

ALPGERAFT  
LEARRJET

ALPGERAFT  
109 BOOK

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AIRCRAFT DESCRIPTION  
BOMBARDIER  
LEARJET

A/C: 45-2097

REG: OE-GVX

LEARJET INC, One Learjet Way, Wichita, Kansas 67209  
EQUIPMENT DESCRIPTION

ENGINE	MODEL
Honeywell International Inc.	TEF731-20BR-1B
AUXILIARY POWER UNIT	MODEL
N/A	N/A

F.A.A. CERTIFICATION INSPECTION

AIRWORTHINESS DIRECTIVES COMPILED WITH THROUGH BIWEEKLY ISSUE NO. 2008-06

I HAVE INSPECTED THIS AIRCRAFT AND FOUND IT COMPLIES WITH THE REQUIREMENTS OF F.A.R. 21.183(a)

CERTIFICATE OF AIRWORTHINESS DATED March 28, 2008 WAS ISSUED BY ME:

SIGNED:

ODARF501508CF



**SERVICE BULLETIN COMPLIANCE**

BULLETIN NUMBER <small>HomeWell Inc 4006719-22-019</small>	DATE OF COMPLIANCE	MECHANIC'S SIGNATURE	LICENSE NUMBER <small>Leagez Inc PCJ28CP</small>	REMARKS
Rev. 002	Feb 8, 2008	<i>William R. Leagez</i>		AUTOPI LIGHT CONVERSION OF SM 200 SERV O DRIVE
40-11-01 Rev. 1	March 28, 2008	<i>Don't H. H. H.</i>	<small>Leagez Inc FAA 60331</small>	PLUGGARDS AND MARKINGS - INCREASE MAXIMUM TAKEOFF WEIGHT TO 21,000 POUNDS
40-23-01 Rev. 1	March 28, 2008	<i>Don't H. H. H.</i>	<small>Leagez Inc FAA 60331</small>	COMMUNICATIONS - INCREASED ROD PROTECTION - INSTALLATION OF ANTENNA PROTECTION
40-72-01 Rev. 1	March 28, 2008	<i>Don't H. H. H.</i>	<small>Leagez Inc FAA 60331</small>	ENGINES - THEET31-20BR-1H ENGINE UPGRADE
40-29-04 Rev. Basic	April 20, 2008	<i>Thomas R. Chubbuck</i>	<small>Leagez Inc FAA 60331</small>	POWERPLANT - INSPECTION/REPLACEMENT OF THE LEFT ENGINE HYDRAULIC TUBES AT NACELLE STATION 183.77
SB440-28-41 Rev. Basic	Nov 26, 2008	<i>Lon Lenke</i>	<small>Leagez Inc D-60331</small>	INSPECTION OF THE CIRCUIT BREAKER POWER WIRING
40-34-17 Rev. Basic	Nov 26, 2008	<i>Lon Lenke</i>	<small>Leagez Inc D-60331</small>	SOFTWARE UPGRADE FOR BOTH FMS
40-52-08 Rev. Basic	Nov 26, 2008	<i>Lon Lenke</i>	<small>Leagez Inc D-60331</small>	REPLACEMENT OF THE MAIN ENTRY DOOR HANDLE RETAINING SCREWS

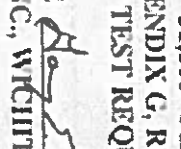

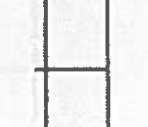
MAINTENANCE RECORD

FLIGHT TIME LOG





## MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
3/19/2008	<p>LEARJET AIRCRAFT 45-2097 HAS SUCCESSFULLY COMPLETED PRODUCTION FLIGHT TESTING PER LES-FT-1945D</p> <p>STANDBY ALTIMETER      AIR DATA COMPUTERS                      P/N 16650-1142      P/N 7030700-71704                      S/N 172243B      S/N #: 07101667 #2: 07101669</p> <p>I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY F.A.R. 91.411, PART 43 APPENDIX E, HAVE BEEN PERFORMED. THE ALTIMETERS HAVE BEEN TESTED TO 51,000 FEET.                      FAR 91 APPENDIX G, RVSM COMPLIANT                      DATE NEXT TEST REQUIRED: October 27, 2009</p> <p>SIGNATURE  DATE <u>March 28 2008</u>                      LEARJET INC., WICHITA, KANSAS.      FAA P.C. 329CE</p> <p>EMERGENCY LOCATOR TRANSMITTER P/N 453-5000-(366), S/N 170-02019, BATTERY REPLACEMENT DUE January, 2013. REF. FAR 91.207, Hex Code: 2DC8550FC6FBFBF</p> <p>SIGNATURE  DATE <u>March 28 2008</u>                      LEARJET INC., WICHITA, KANSAS.      FAA P.C. 329CE</p>	 ERIC E. NORDBERG PILOT FLIGHT TEST	



# MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	<p style="text-align: center;"> <b>Aircraft S/N: 45-2097</b>      <b>Date: March 28, 2008</b></p> <p style="text-align: center;">* Items denoted by an asterisk are Manufacturer Recommended settings. Refer to AMM for more information about these settings. Always use the most recently recorded Manufacturer Recommended settings. These settings are subject to update by the manufacturer.</p>		
	<p><b>ELGAS Aileron Trim Ind. Pos. for Wings-Level Flight:</b></p> <p>Left Wing Down      0 units</p> <p>Right Wing Down      0 unit</p>		
	<p><b>L &amp; R Bal Tab 4527103107 Bal Tab Horn Assy. Adjustment:</b></p> <p>* Left Horn Assy. Fwd      0 in.</p> <p>* Left Horn Assy. Aft      0 in.</p> <p>* Right Horn Assy. Fwd      0 in.</p> <p>* Right Horn Assy. Aft      0 in.</p>		
	<p>(maximum adjustment not to exceed .095 inches)</p> <p><b>Aileron Drive Quadrant Plate Offset Adjustment:</b></p> <p>* LH Aileron Drive Installation      .1495 in.</p> <p>* RH Aileron Drive Installation      .1485 in.</p>		
	<p><b>Control Wheel Adjustment:</b></p> <p>Control Wheel Pos. Prior to Adjustment      0</p> <p>(degrees CW or CCW from horizontal)</p> <p>Control Wheel Pos. After to Adjustment      0</p> <p>(degrees CW or CCW from horizontal)</p>		
	<p><b>Flap Track Pos. relative to the serrated fitting</b></p> <p>* LH Inboard flap track      Down up      0 in</p> <p>* LH Middle flap track      Down up      0 in</p> <p>* LH Outboard flap track      Down up      0 in</p> <p>* RH Inboard flap track      Down up      0 in</p> <p>* RH Middle flap track      Down up      0 in</p> <p>* RH Outboard flap track      Down up      .030 in</p>		
	<p><b>Flaps Position</b></p> <p>* LH Flap pos at Inboard rigging board      .030 in</p> <p>* LH Flap pos at Outboard rigging board      ±.045 in.</p> <p>* RH Flap pos at Inboard rigging board      ±.030 in.</p> <p>* RH Flap pos at Outboard rigging board      ±.060 in.</p> <p>(All flap positions must be within 0 ± 0.100 inches)</p>		
	<p><b>Rudder Trim Tab Pushrod Turnus for Neutral Flight:</b></p> <p>Lengthen <math>\frac{1}{2}</math>      Shorten 0</p>		

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MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	I CERTIFY THAT THE ALTITUDE DATA TRANSMISSION TEST REQUIRED BY F.A.R. 91.217 HAVE BEEN ACCOMPLISHED.		
	SIGNATURE: <i>[Signature]</i> DATE: <u>March 28 2008</u> LEARJET INC., WICHITA, KANSAS. FAA P.C. 329CF		
	I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED AND IS FOUND TO BE IN AIRWORTHY CONDITION.		
	SIGNATURE: <i>[Signature]</i> DATE: <u>March 28 2008</u> LEARJET INC., WICHITA, KANSAS. FAA P.C. 329CF		
	N/C: <u>45-2097</u> REG: <u>N40078</u> TSN: <u>6.8</u> LDGS: <u>4</u>		
	STANDARD CERTIFICATE OF AIRWORTHINESS, FAA FORM 8100-2, ISSUED THIS DATE.		
	SIGNED: <i>[Signature]</i> DATE: <u>March 28 2008</u> ODARR: 501508CF CE-43		

45-2097

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DATE	
<b>BOMBARDIER</b>	
<b>LEARJET</b>	
Modifications / Alterations / (Refer to Serial No List for)	
<ul style="list-style-type: none"> <li>Foreign Certification</li> <li>VMOMMO Curve St</li> </ul>	
The following components	
Description	
Emergency Battery	
Top Main Battery	
Bottom Main Battery	
Emergency Locator Transm	
Fwd Quadrant Switch Panel	
#2 Pit Management Sys	

45-2097



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MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
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**BOMBARDIER  
LEARJET**

**AIRCRAFT 45-2097**

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Modifications / Alterations have been installed per Learjet Engineering Drawing M4500080801-2097-010 Approval listed in parentheses  
(Refer to Serial No. List for associated new component information.)

- Foreign Certification, Austria - Public (ECR 4903) • Certification Requirements JAA / EASA - M45 (ECR 8885) • London City Sleep Approach, EASA Cert (M S 045T020342)
- VMO/MMO Curve Straps (JAA) (Learjet 40)

The following components have been removed and replaced:

Description	Part/Serial No. Off	Part/Serial No. On
Emergency Battery	7624308001-003 K9496	7624308001-003 K9335, test Apr 9, 2008
Top Main Battery	RG-380E401 40202674	RG-380E401 40213199, test Feb 20, 2008
Bottom Main Battery	RG-380E40L 40202675	RG-380E40L 40222189, test Feb 20, 2008
Emergency Locator Transmitter	453-5000 (-366) 170-02019	453-5000 (-203) 170-02019
Pwd Quadrant Switch Panel Assy	4531108502-041 A00808763-01	4534388540-001 A00996742-01
#2 FIL. Management Sys. UNS-1E	2017-41-301 (C3460013-002) 1519	2017-41-301 (C3460013-002) 1504

Continued ...

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MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
Page 2 of 4			
<u>Aircraft 45-2097</u>			
Components removed and replaced (cont.):			
Pilot Angle Of Attack Indicator	6627308500-011 83349	6627308500-011 83213	
Primary Cabin Press Outflow Valve	6621300000-019 30-A0188	6621300000-019 38-A0533	
Secondary Cabin Press Outflow Valve	6621300000-021 127-C0308	6621300000-021 28-C0323	
RH Wing #1 Fuel Quantity Probe	6628408000-021 MN12197	6628408000-021 MN10535	
Altimeter/Static System Tests required by FAR 91.411 have been performed per FAR 43 Appendix E. FAR 91 Appendix G RVSM Compliant. Altimeter tested to 51,000 feet Next 24-Month Test Due April 17, 2010			
<u>Air Data Computer #1</u>	<u>Air Data Computer #2</u>	<u>Standby Altimeter</u>	
P/N 7030700-71704 S/N 07101667	P/N 7030700-71704 S/N 07101669	P/N 16650-1142 S/N 172243B	
Aircraft 45-2097 has been configured* for Reduced Vertical Separation Minimums (RVSM) operation in accordance with the provisions of Note 11. FAA approved Type Certificate Data Sheet T000008W1 and has been shown to meet the airworthiness requirements for operation in RVSM airspace. *This does not constitute an operational approval.			
Transponder Tests required by FAR 91.413 have been accomplished per FAR 43 Appendix F Next 24-Month Test Due April 17, 2010			
<u>Integrated Comm/Pndr No.1</u>		<u>Integrated Comm/Pndr No.2</u>	
P/N 7510700-665 S/N 0704B374		P/N 7510700-665 S/N 0705BA29	
Continued			

45-2097

45-2097

## MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
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Aircraft 45-2097

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**Compass Heading Check completed on Mar 14, 2008**

FOR	N	30	60	90	120	150	180	210	240	270	300	330
NOMI PWR (Radio On)	355	024	035	087	123	155	185	205	242	268	299	326
EXTR BAT (Radio Off)	002	011	060	090	110	150	176	206	235	268	302	331

- Special Inspections performed in accordance with Maintenance Manual chapter 5
- Aircraft Emergency Battery (Capacitance Check) ----- Accomplished Apr. 9, 2008.
- New Lead Acid Main Batteries (Initial Check) ----- Accomplished Feb. 20, 2008.

- Replacement Schedule items replaced in accordance with Maintenance Manual chapter 5
- Water Separator Coalescer Bag installed (New) @ 6.8 Aircraft Hours, ----- Accomplished Mar. 31, 2008
- Main Hydraulic Filters installed (New) @ 6.8 Aircraft Hours, ----- Accomplished Mar. 31, 2008

Reconfigured Emergency Locator Transmitter to Austria requirements, Part Number: 453-5000 (-203) Serial Number: 170-02019, Battery Expiration Date: Jan. 2013, E.L.T. Hex Code 1966880688FFBFF, ref. FAR 91.207.



- Removed U.S. registration number N40078, applied Austria registration number OE-GVX
- Re-strapped #1 & #2 Transponders to report OE-GVX, Hex Code 440 344
- Installed OE-GVX instrument panel radio call placard
- Serial Code: DQ-AL

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MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
Aircraft 45-2097	<p>FAA Airworthiness Directives reviewed through Bi-Weekly 2008-08 published April 14, 2008 (No further Airworthiness Directives applicable)</p> <p>THE AIRCRAFT IDENTIFIED ABOVE WAS ALTERED, REPAIRED, AND/OR INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS WORK SCOPE ARE ON FILE AT THIS FACILITY UNDER WORK ORDER NUMBER W42097067-01</p> <p>Total Aircraft Hours 16.2      Total Aircraft Landings 10</p> <p><i>Ronnie R. Aubushon</i>      April 20, 2008</p> <p>Signature: Ronnie R. Aubushon, Quality Assurance Dept      Date: April 20, 2008</p> <p>Leajet Inc., One Leajet Way, Wichita, Kansas 67209      FAA Certificated Repair Station LEJR910X</p> <p>MODEL: <u>45</u>      S/N: <u>2097</u>      REG: <u>OE-GVX</u>      TSN: <u>16.2</u>      LDG: <u>10</u></p> <p>I find that the aircraft identified above meets the requirements for the certification requested and have issued a U.S. Export Certificate of Airworthiness to Austria, E 425823, dated April 20, 2008.</p> <p>SIGNED: <i>Paul E. Bope</i>      ODARF 501508CE      DATE: <u>April 20, 2008</u></p> <p>Paul E. Bope</p>		

## MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
<b>CERTIFICATE OF RELEASE TO SERVICE</b>			
<b>Aero-Dienst</b>			
A/C Type: Learjet 40 A/C TT: 81 07 APU TT: N/A		S/N: 45-2097 Ldg: 61 APU CVC: N/A	
Reg. Mark: OE-GVX MO-Nr.: M107118 Loc: Nurnberg			
Scheduled Maintenance Checks completed under this Maintenance Order are performed in accordance with the latest 60 Maintenance Manual Rev. 33, dated June 23, 2007, except as otherwise specified.			
<b>Scheduled Inspections:</b>			
<b>Engine:</b>			
Performed EDS/DEEC download			
<b>Replacements Item:</b>			
Replaced L/H bleed valve	P/N 662100000-073	off S/N 130C	on S/N 893
Replaced nose gear actuator	P/N 6632201000-005	off S/N LFS390	on S/N LFS585
Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.			
Date: May 21, 2008 for DE 145, 0039 Tel. + 49 911 93560		AERO-DIENST NURNBERG Fax. + 49 911 9356 406	
Page 1 of 1		Sign: 	
			



CERTIFICATE OF RELEASE TO SERVICE

Aero-Dienst AK Type: Learjet 40 SN: 452097 Reg: N401GA  
 AC FT: 2645 APU C/C: N/A Ldg: 14 Mfg. No: 301799  
 Dt: 01/02/83 APU C/C: N/A Lic: Nuremberg

Scheduled Maintenance Checks completed under IAW maintenance order for certificate in accordance with Part 145 and in respect to that work  
 Manual Rec. II dated 12/20/05. Next scheduled maintenance at 122005 hours. No further action is required.

Inspection with special requirements:  
 Performed drawing of low pressure fuel filter  
 LIG Limit Check

Replaced oxygen bottle removed P/N 643500000-119 S/N C0704074 installed P/N 643500000-071 S/N C06010728.  
 Replaced main New detail 122005

Replaced air pump P/N 92300-100 removed S/N D01002041 installed S/N D01002350

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work  
 the aircraft/aircraft component is considered ready for return to service.

Date: April 23, 2008  
 For: DR. JKS. 0093  
 Tel: + 49 911 93560

AERO-DIENST NUREMBERG  
 Fax: + 49 911 9356 406

Signature: 



MAINTENANCE RECORD	
E - REPAIRS - ALTERATION	

CERTIFICATE OF RELEASE TO SERVICE

Aero-Dienst AK Type: Learjet 40 SN: 452097 Reg: N401GA  
 AC FT: 2645 APU C/C: N/A Ldg: 14 Mfg. No: 301799  
 Dt: 01/02/83 APU C/C: N/A Lic: Nuremberg

Scheduled Maintenance Checks completed under IAW maintenance order for certificate in accordance with Part 145 and in respect to that work  
 Manual Rec. II dated 12/20/05. Next scheduled maintenance at 122005 hours. No further action is required.

Inspection with special requirements:  
 Performed 150-300 hour inspection of LHs and RBH engine

Inspected with special requirements:  
 Performed cap test and service of emergency battery 1 s w. Hinkler Energy CRM

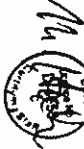
Replaced main new detail 122005  
 Replaced L-11 oxygen mask P/N NC10-15-166 removed S/N SE17175 installed S/N SE1903  
 Replaced relay panel bay P11 P/N 437008227-01J removed S/N 387852A50218 installed S/N 415210A50184

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work  
 the aircraft/aircraft component is considered ready for return to service.

Date: June 11, 2008  
 For: DR. JKS. 0093  
 Tel: + 49 911 93560

AERO-DIENST NUREMBERG  
 Fax: + 49 911 9356 406

Signature: 



*(Large stylized signature or stamp)*

Pa Na Ce F M T Y - L R g n g P D W C Loc Air Air





**Certificate of Release to Service**



**Lufthansa Bombardier  
Aviation Services**

WO-No.: 280271

Manufacturer	Bombardier Aerospace	Airframe	45-2097	Engine # 1	P116948C	Engine # 2	P116947C	APU
Model	LEAR 46	Hours	265.51	Hours	265.51	Hours	265.51	
Registration	OE-GVX	Cycles	236	Cycles	236	Cycles	236	
Operator	Vistaljet Luftfahrtunternehmen GmbH							

Maintenance performed in: **EDDB** from **25-Aug-08** to **29-Aug-08**



- COMPLETED WITH 300 HOUR AIRFRAME INSPECTION PHASE A1 - A6
- COMPLETED WITH 150 HOUR ENGINE INSPECTION ON BOTH ENGINES
- COMPLETED WITH SB A40-34-09 BASIC "FUNCTIONAL TEST OF THE ATTITUDE HEADING REFERENCE SYSTEM COMPUTERS" NOTE: INSPECTED FOUND ONLY # 2 AHRS COMP AFFECTED AFTER TEST REPORT SEND TO FSR, NO FURTHER ACTION REQUIRED.
- COMPLETED WITH SBA 40-27-15 REV.2 "REPLACEMENT OF FLAP ACTUATOR FORWARD ATTACH JOINTS" NOTE NOT APPLICABLE BY AIRCRAFT SN
- COMPLETED WITH CAMP TASK 5-19-00-P3231020-RIGHT "PERFORM MLG DOOR ACTUATOR GIMBAL ASSEMBLY EC INSPECTION NOTE NOT APPLICABLE BY INSTALLED P/N.
- COMPLETED WITH CAMP TASK 5-19-00-P3231021-LEFT "PERFORM MLG DOOR ACTUATOR GIMBAL SHAFT FP INSPECTION" NOTE NOT APPLICABLE BY INSTALLED P/N.
- COMPLETED WITH CAMP TASK 5-19-00-P3231022-LEFT -RIGHT "PERFORM MLG INBOARD DOOR GIMBAL BRACKET EC INSPECTION " NOTE NOT APPLICABLE BY INSTALLED P/N
- COMPLETED WITH ADVISORY WIRE 32-044 "INB GEAR DOOR ACTUATOR SADDLE BOLTS" NOTE ONLY INSPECTED NO FURTHER ACTION REQUIRED.
- COMPLETED WITH CAMP TASK 5-19-00-E5600002 "WINDSHIELD - PERFORM RAIN REMOVAL COATING EFFECTIVENESS TEST "
- COMPLETED WITH CAMP TASK 5-19-01-D2910018 "REPLACE MAIN HYDRAULIC FILTER MANIFOLD ELEMENTS"
- COMPLETED WITH CAMP TASK 5-19-00-D2431005 "BATTERY CABLES AND RECEPTACLES - PERFORM BATTERY CABLE INSPECTION."
- COMPLETED WITH CAMP TASK 243037A "EMERGENCY BATTERY "PERFORM CAPACITY CHECK."
- REPLACED NOSE TIRE P/N OFF/ON:031-613-8 S/N OFF:7135W00217 ON:7075W00378
- REPLACED # 1 - # 3 MAIN TIRE P/N OFF/ON:226K08-4 S/N # 1 OFF:719S1029 ON:72020905 # 2 OFF:719S0685 ON:719S0689 # 3 OFF:71851024 ON:719S0676 REPLACED # 4 MAIN WHEEL ASSY OFF/ON:3-1545-1 S/N OFF:2840 ON:2916
- REPLACED ON BOTH ENGINE FIREWALLS HIGH BLEED DUCT BOOT SEAL P/N OFF/ON:316154
- REPLACED FWD CABINET MIDDLE WORK/ACCENT LIGHT P/N OFF/ON:LJ-AL-04.
- PERFORMED SEVERAL SERVICE ITEMS.

Documentation/Approved Data: LEAR 40 AMM,REV.11

Deferred Item: none

Pertinent details of work performed are on file under Work Order No.: 280271

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

**Lufthansa Bombardier Aviation Services GmbH**  
 Tel: +49 30 89754600 Fax: +49 30 89754511  
 Place: **EDDB** Stamp:   
 Date: 29/Aug/2008 Signature:  Part-145 Approval Reference: DE.145.0318  
 Name: Bernd Waldmann







Aircraft Certificate of Release to Service  
and  
Maintenance Statement

Aircraft Type: LearJet 40, SN 45-2097

Registration: OE-GVX

Aircraft total Hours/Cycles at Maintenance completed: 619:13 531

Location where Maintenance was completed: EDDM Date: 28 Apr 2009

Work Order No.: 09-0166 Tech Log, Ref. Customer Order  
GVX-03-2009

Following Maintenance carried out:

Performed:

- 761330A: ECTM Data Download (both Engines)
- NAV Database Update

Replaced:

- Nose Wheel Assy PN off/on: 9544207-4  
SN off: AUG07-10465, SN on: NOV06-10283
- MWA's #1, #2 and #4, PN off/on: 3-1545-1
- #1: SN off: 2654, SN on: 2791
- #2: SN off: 2643 (in serviceable Condition), SN on: 2344
- #4: SN off: 2916, SN on: 2643 (prev. Pos. #2)
- Video Switch Module PN off/on: AV-4589-01-1  
SN off: 010800402, SN on: 110500509

Type related Document

MM (Airframe), Revision 15, dated Mar 30/2009  
Further Details held on Work Order.

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Name of Person signing: Alexander Vit Signed: \_\_\_\_\_

Part-145 Organisation: M.C.M. - Maintenance Center Munich GmbH

DE.145.0125

# MAINTENANCE RECORD

DATE

INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS

MECHANIC'S SIGNATURE

LICENSE NUMBER

## Certificate of Release to Service

WO-No.: 280157

**Lufthansa Bombardier Aviation Services**

Aircraft Bombardier	Operator Verlaka	SN 48-2097	Engine#1 P116946C	Engine#2 P116941C	APU
Manufacturer Bombardier	Lithuanians Lithuanians	Hours 641:34	Hours 561:34	Hours 561:34	
Model LEAR 45	Registration OE-GVY	Cycles 482	Cycles 482	Cycles 482	

Maintenance performed in BERLIN, EDBB from 08-MAR-09 to 23-MAR-09

- CW 300600 HOUR AIRFRAME INSPECTION (PHASE A1 - A8 B1-B6)
- CW ON LH; RH ENGINES; CAMP TASK 051110; 790130; 150 TO 250 HOUR ENGINE INSPECTION; OIL AND FILTER ANALYSIS
- CW ON LH; RH ENGINES; CAMP TASK 051130; 500 TO 650 HOUR ENGINE INSPECTION; CAMP TASK 730120; REPLACE FUEL FILTER ELEMENT; CAMP TASK 790150; INSPECT CHIP DETECTOR; NOTE CAMP TASK 783315 N/A BY SB STATUS
- CW IRN 02431002; EMERGENCY BATTERY CAPACITY CHECK
- CW IRN 02431005; BATTERY CABLES AND RECEPTACLES BATTERY CABLE INSPECTION
- CW IRN 05600002; WINDSHIELD GAIN REMOVAL; COATING EFFECTIVENESS TEST
- CW IRN 02910018; REPLACE MAIN HYDRAULIC FILTER MAINFOLD ELEMENTS
- CW IRN 02740002; TEST INSPECTION OVERHAUL; NOTE: ACTUATOR CHANGE PERFORMED; PIN OFF; 6627401000-007 ON 6627401000-009 SN OFF; HOURS ON DOSS; NOTE: TASK 274010 AND 274011 N/A ON ACTUATOR PIN
- CW IRN 02740003; HYDRAULIC TRIM FUNCTIONAL TEST
- CW IRN 02740004; HYDRAULIC TRIM FUNCTIONAL TEST
- CW IRN M0220024; MAIN LANDING GEAR SIDE STAY ACTUATOR PINS
- IRN P2430007; REPLACE MAIN LANDING GEAR SIDE STAY ACTUATOR PINS INSPECTION
- IRN P2430007; REPLACE STARTER/GENERATOR 1 & 2 BEARING; NO LONGER VALID DUE TO COMPLIANCE OF 9840-24-07 AND POST 9840-1-03 STATUS OF A/C
- CW 9840-24-07 R1 DC STARTER/GENERATOR UPGRADE TO CERAMIC BALL BEARINGS; REPLACED SIG PIN 6608458-005 BY PIN 6604458-012 LH SIDE SN OFF; P1458 SN ON; 120725
- CW 9840-27-17 R2 WEIGHT & BALANCE CHANGE AFTER REPLACEMENT OF THE HSTA ARM UPDATED
- CW CAMP TASK N023156001; SMM-A; FUNCTIONAL TEST OF IRIDIUM SALT COAM SYSTEM
- CW CAMP TASK 6A484015018; SMM-2; (ST01418W-DJFC-1A, ST01418W-DJFC-2A)
- CHECK THE NITROGEN PRESSURE OF THE ANTENNA COUPLER
- CW CAMP TASK 256078A; VISUAL INSPECTION FIRST AD KIT
- CW IRN N122004; LEAD-ACID BATTERIES #1 AND #2; BATTERY CAPACITY CHECK
- CW IRN F901006; YANTI ICE MAINT/ QD BOROSCOPE INSPECTION
- CW IRN P261001; CAMP TASK 256109A; 256109B; INSPECT / TEST EMERGENCY LOCATOR TRANSMITTER (ELT)
- CW CAMP TASK 781330A; EDS DOWNLOAD BOTH ENGINES
- CW SB T82731-73-5136 ON BOTH ENGINES; REPLACE MAIN TURBINE ENGINE FUEL PUMP FUEL FILTER ELEMENT; NOTE: FUEL FILTER PIN CHANGE; PIN OFF 697513-1 ON 697830-1
- CW SB T82731-72-8188 R3 CHECK ON BOTH ENGINES
- NOTE: SB NOT EFFECTIVE FOR ENGINE MODEL NUMBER
- PERFORMED AIRWORTHINESS REVIEW WITH PHYSICAL SURVEY; RECOMMENDATION FOR ISSUANCE OF AIRWORTHINESS REVIEW CERTIFICATE GENERATED
- CW ROLL SERVO CHANGE; PIN OFF ON 4006718-948 SN OFF; 07084962 ON 01096310
- CW RUDDER FLIGHT CONTROL CABLE CHANGE; FOLLOWING PIN OFF ON: PWD LWR CABLE 7827202001-001; PWD UPPER CABLE 7827202001-001; RH AFT UPPER 7827202004-001; LH AFT UPPER 7827202003-001; RH AFT LWR 7827202006-001; AND LH AFT UPPER 7827202005-001
- CW ELEVATOR FLIGHT CONTROL CABLE CHANGE; FOLLOWING PIN OFF ON: PWD COPULOT 7827322001-001; PWD PLDT 7827322000-001; RH AFT UPPER 7827322024-001; LH AFT UPPER 7827322024-001; RH AFT LOWER 7827322025-001; LH AFT ALERON 7827122001-001; LH ALERON CROSSOVER 7827102002-001; RH ALERON CROSSOVER 7827102003-001; AFT ALERON FUSELAGE 7827102001-001
- CW SEVERAL LAMPS AND BULBS REPLACEMENT
- REPLACED BOTH ENGINE STARTER/GENERATOR SEALS PIN 30727942; SN N/A
- CW LOWER ENTRY DOOR CABLE CHANGE; PIN OFF ON 4532190001-805
- CW MAIN TIE # 2 AND # 3 CHANGE
- CW AHB RESIDUAL SWING AND MAGNETIC COMPASS SWING
- CW AHB NAV DATA BASE UPDATE
- CW ALERON AFT QUADRANT CHANGE; PIN OFF ON 4527102104-001
- CW MAIN BATTERIES # 1 AND # 2 CHANGE
- PIN OFF ON RG 300E/LN; SN OFF 4021313199; 40222188 ON 40258012; 40258065
- CW ALERON FLIGHT CONTROL CABLE CHANGE; FOLLOWING PIN OFF ON: LH PWD ALERON 7827122000-001; RH PWD ALERON 7827122001-001
- CW AHB RESIDUAL SWING AND MAGNETIC COMPASS SWING
- CW FMS NAV DATA BASE UPDATE

Our maintenance approved Date: LEARNET 40 MAR REV 14

Signature: [Signature]

Stamp: [Stamp]

Head: [Name]













CERTIFICATE OF RELEASE TO SERVICE

**Aero-Dienst** AC Type: Learjet 40 SN: 45-2097 Reg. Mark: N145CV  
 AC TT: 79108 Ldg: 570 Mfg: Aerojet  
 APU TT: N/A APU CYC: N/A Exp. Number: 1

**Scheduled Maintenance Checks completed under this Maintenance Order are performed in accordance with Learjet 40 Maintenance Manual Rev. 15 dated March 29, 2009, except as otherwise specified.**

**Scheduled Inspections:**

**Exclusions:**  
 Performed 500-40 hour inspection on both engines

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the aircraft/component is considered ready for release to service.

Date: July 19, 2009  
 Per: DE 145, 0019  
 Tel: + 49 911 9356 406

AERO-DIENST MÜNCHEN  
 Tel: + 49 911 9356 406



CERTIFICATE OF RELEASE TO SERVICE

**Aero-Dienst** AC Type: Learjet 40 SN: 45-2097 Reg. Mark: N145CV  
 AC TT: 83619 Ldg: 708 Mfg: Aerojet  
 APU TT: N/A APU CYC: N/A Exp. Number: 1

**The maintenance as listed under this Maintenance Order are performed in accordance with Learjet 40 Maintenance Manual Rev. 15 dated July 27, 2009, except as otherwise specified.**

**Scheduled Inspections:**

**Exclusions:**  
 Performed 100-40 hour inspection on both engines

Performed E II engine nacelle tubing inspection  
 Performed windshield rain removal check

**ADPs and LTAs:**

Performed FAA AD 2009-11-13 including § G, H, I, J  
 Section B, Bulletin  
 Performed SH 40-2140 (Acw 6) Electrical power - Replacement of the (banker) energy or (battery) Ltd. emergency battery

**Life Limit Parts:**

Replaced main inboard filter elements installed P/N 898-K10C22 S/N AL1280-213A  
 Replaced oxygen bottle removed P/N 663500000-079 S/N C06010728 installed P/N 82980752

**Replacements Items:**

Removed #1 P/N SP-45-54 S/N 120700516 and installed into position 2  
 Removed #2 P/N SP-45-54 S/N 090600304 and installed into position 1  
 Replaced emergency battery removed P/N 9750R0124 S/N K9335 installed P/N RG-443 S/N 40300936  
 Replaced main battery #1 P/N RG-3801/401 removed S/N 40238065 installed S/N 40256922  
 Replaced main battery #2 P/N RG-3801/401 removed S/N 40238065 installed S/N 40256922  
 Replaced main battery #3 P/N RG-3801/401 removed S/N 80390658 installed S/N 82980752  
 Replaced AH G1 ur #1 P/N 227K084 removed S/N 80390478 installed S/N 82980741  
 Replaced AH G1 ur #2 P/N 220K084 removed S/N 82980741

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the aircraft/component is considered ready for release to service.

Sign: Nadic

Date: Aug 06, 2009  
 for DE 145, 0019  
 Tel: + 49 911 9356 406

AERO-DIENST MÜNCHEN  
 Tel: + 49 911 9356 406



# MAINTENANCE RECORD

INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS

MECHANIC'S  
SIGNATURE

LICENSE  
NUMBER

## Certificate of Release to Service



**Lufthansa Bombar디어  
Aviation Services**

**WO-No.: 290416**

Manufacturer:	Bombardier Aerospace	S/N	45-2097	Engine# 1	P116948C	Engine# 2	P116947C	APU
Model:	LEAR 45	Hours	878:37	878:37	878:37	878:37		
Registration:	OE-GVX	Cycles	750	750	750	750		

Operator: **Vistajet Luftfahrtunternehmen GmbH**

Maintenance performed in: **BERLIN, EDDB** from **Aug 31/2009** to: **Sep 4/2009**

- 300 HOUR AIRFRAME INSPECTION PHASE A1 - A6.
- SB40-34-08 R1 "EGPWS COMPUTER SOFTWARE UPGRADE"
- REPLACED NOSE TIRE P/N OFF/ON:031-613-8 S/N OFF: 5299W00215 ON:7283W00245.
- REPLACED R/H WINDSHIELD P/N OFF/ON:6656100001-02 S/N OFF:0512 ON:0678.
- REPLACED REMOTE CONTROL CB P/N OFF/ON:SM600BA75N1 S/N:94132 ON:80299.
- REPLACED # 1 & # 2 MAIN WHEEL TIRE P/N OFF/ON:226K08-4. # 1 S/N OFF:80930994 ON:80981016.# 2 S/N OFF:80390476 ON:80981011.
- REPLACED TOILET MACERATOR P/N OFF/ON:5300-1 S/N OFF:M2702 ON:M3146.
- REPLACED R/H MILG DOOR UPLOCK ACTUATOR P/N OFF/ON:6632303004-006 S/N OFF:2047 ON:0541.
- IRN D2431005 BATTERY CABLES AND RECEPTACLES - PERFORM BATTERY CABLE INSPECTION.
- EDS DOWNLOAD BOTH ENGINES.
- SEVERAL SERVICE ITEMS.

Documentation/Approved Data: **Lear 40 AMM, Rev.16**  
 Deferred item: **none**  
 Pertinent details of work performed are on file under Work Order No.: **290416**

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

**Lufthansa Bombar디어 Aviation Services GmbH**  
 Tel +49 30 88754600 Fax: +49 30 88754511

Place: **BERLIN, EDDB**

Stamp:

Date: **Sep 4/2009**

Name: **Bernid Waldmann**

Signature:



Part-145 Approval Reference

DE.145.0315

# MAINTENANCE RECORD

DATE

INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS

MECHANIC'S SIGNATURE

LICENSE NUMBER

## Certificate of Release to Service



**Lufthansa Bombardier**

**WO-No.: 291403**

**Aviation Services**

Manufacturer:	Bombardier			
	Aerospace			
Model:	LEAR 45	S/N	45-2097	APU
		Hours	917:14	
Registration:	OE-GVX	Cycles	778	

Operator: **VistaJet Luftfahrtunternehmen GmbH**

Maintenance performed in: **BERLIN, EDDB**

from **Sep 18/2009** to: **Sep 18/2009**

- REPLACED AUDIO/VIDEO AMPLIFIER P/N OFF/ON: AV-4589-01-1 S/N OFF: 110500509 ON: 110700233.

- SEVERAL SERVICE ITEMS.

Documentation/Approved Data: **LEAR 40 AMM Rev.16**

Deferred item: **none**

Perinent details of work performed are on file under Work Order No.: **291403**

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

**Lufthansa Bombardier Aviation Services GmbH**  
 Tel. +49 30 88754600 Fax.: +49 30 88754511  
 Place: **BERLIN, EDDB** Stamp:   
 Date: **Sep 18/2009** Signature:   
 Name: **Bernd Waldmann**

## MAINTENANCE RECORD

<b>INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS</b>	<b>MECHANIC'S SIGNATURE</b>	<b>LICENSE NUMBER</b>

**Certificate of Release to Service**

**WO-No.: 290513**

**Lufthansa Bombardier  
Aviation Services**

Aircraft	Operator				
Manufacturer: Bombardier Aerospace	Operator: VistaJet				
	Lufthansa Lufthansa Technik GmbH				
Model: LEAR 45	Registration: OE-GVX				
Maintenance performed in: BERLIN, EDDB					

- Maintenance performed in: BERLIN, EDDB
- 150 TO 250 HOUR ENGINE INSPECTION ON BOTH ENGINES CAMP CODE: 057110
  - PERFORMED DOWNLOAD ENGINE COMPUTER ON BOTH ENGINES CAMP CODE: 761330A
  - IRN Q1221064 \*FLAP ACTUATOR GIMBAL - APPL Y CPC\*
  - IRN Q7100032 \*LH ENGINE NACELLE TUBES - DETAILED VISUAL INSPECTION\*
  - IRN N2431062 \*EMERGENCY BATTERY (P/N RG-443) - CAPACITY CHECK\* CAMP CODE 243037A
  - IRN O2431002 \*EMERGENCY BATTERY (P/N 7624308001) - CAPACITY CHECK\* N/A P/N NOT INST.
  - AD 2009-11-13 PARAGRAH (G) \*INSPECTION OF LH CASE DRAPE TUPE FROM HYD. PUMP\*
  - AD 2009-11-13 PARAGRAH (H) \*INSPECTION OF LH CASE DRAPE TUPE FROM HYD. PUMP\*
  - AD 1974-08-09 R2 \*NO SMOKING PLACARD IN TOILETTE FIRE SAFETIES IN LAVATORY\*
  - PERFORMED SEVERAL SERVICE ITEMS

Documentation/Approved Data: Learjet 40 AMM Rev: 16

Pertinent details of work performed are on file under Work Order No: 290513

Deferred lier none

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/ aircraft component is considered ready for release to service.

**Lufthansa Bombardier Aviation Services GmbH**  
 Part-145 Approval Reference  
 DE: 145.0315

Stamp:

Signature:

Lufthansa Bombardier Aviation Services GmbH  
 Tel: +49 30 88754600 Fax: +49 30 88754511  
 Place: BERLIN, EDDB  
 Date: Oct 6/2009  
 Name: Lars Lemke





**Certificate of Release to Service**  **Lufthansa Bombardier Aviation Services**

WO-No.: 100003



Manufacturer:	Bombardier	Altframe	Engine# 1	Engine# 2	APU
Aerospace	LEAR 45	45-2097	P116948C	P116947C	
Model:	Registration	Hours	Cycles		
	OE-GVX	1076.40	905	1076.40	905
Operator:	Vistalair Luftfahrtunternehmen GmbH				

Maintenance performed in: BERLIN, EDDB from Jan 4/2010 to Jan 11/2010

- CAMP CODE 761330A "PERFORM DOWNLOAD ON BOTH ENGINES"
- CAMP CODE 243037A "EMERGENCY BATTERY PERFORM CAP CHECK"
- CAMP CODE 5-19-00-Q1221064 "FLAP ACTUATOR GIMBAL APPLY CORROSION PREVENTIVE COMPOUND"
- SB 40-26-05 REV. 02 "REPLACEMENT OF ENGINE FIRE EXTINGUISHER DISCHARGE TUBES"
- REPLACED AUDIO AMPLIFIER P/N OFF/ON:PA-7501-01-1 S/N OFF:010800578 ON:010800813 REPLACED AUDIO/VIDEO CONTROLLER P/N OFF/ON:AY-4589-01-1 S/N OFF:110700233 ON:110600965
- REPLACED FUEL FLOW TRANSDUCER P/N OFF/ON:7600021-1 S/N OFF:601990 ON:603056
- REPLACED NAV UNIT # 2 P/N OFF/ON:7510100-631 S/N OFF:0605A565 ON:07048118.
- REPLACED STABILIZER TEMPERATURE SENSOR P/N OFF/ON:151724-1 S/N OFF:UNREADABLE ON:151724-01973.
- REPLACED EMERGENCY BATTERY P/N OFF/ON:RG-443 S/N OFF:40300926 ON:40316358.
- SEVERAL SERVICE ITEMS

Documentation/Approved Data: Lear 40 AMM Rev:17  
 Deferred Item: none  
 Pertinent details of work performed are on file under Work Order No.: 100003

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

**Lufthansa Bombardier Aviation Services GmbH**  
 Tel: +49 30 88754600 Fax: +49 30 88754511  
 Place: BERLIN, EDDB  
 Date: Jan 11/2010  
 Name: Bernd Waldmann  
 Signature:   
 Stamp:  DE 45 0315 Part-145 Approval Reference DE:145.0315

**Aero-Dienst**  
 The maintenance as listed under this Main Manual Rev. 17, dated November 23 / 2009

**Scheduled Inspections:**  
**Engines:**  
 Performed 150-250 hour inspection on L/R  
 Performed 150-250 hour inspection on R/L

**Inspections with special requirements:**  
 Performed 300 hour windshield rain removal  
 Performed EC IM download on both engines

**Service Bulletins:**  
 Checked SB 40-32-14 (basic) Landing gear

**Life Limit Parts:**  
 Performed 300 hour replacement of the hydraulic

Certifies that the work specified - except as the aircraft/aircraft component is considered

Date: February 15, 2010  
 for DE 145.0050  
 Tel. + 49 911 93560

Page 1 of 1

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# MAINTENANCE RECORD

Aero-Dienst

CERTIFICATE OF RELEASE TO SERVICE

FAEVS79791N GACA AND 1041  
DE 145 0059

A/C Type: Learjet 40  
A/C TT: 1.126.38  
APU TT:

S/N: 45-2097  
Ldgs: 943  
APU CYC:

Reg. Mark: OL-GVX  
MO-Nr.: M025087  
Loc: Nurnmberg

The maintenance as listed under this Maintenance Order are performed in accordance with Learjet 40 Maintenance Manual Rev. 17, dated November 23 / 2009, except as otherwise specified.

Scheduled Inspections:

Engines:

Performed 150-250 hour inspection on L/H engine (S/N: P-116948C) i.a.w. Honeywell LMM (CAMP # 057110 and # 790130)  
Performed 150-250 hour inspection on R/11 engine (S/N: P-116947C) i.a.w. Honeywell LMM (CAMP # 057110 and # 790130)

Inspections with special requirements:

Performed 300 hour windshield rain removal check (CAMP # 5-19-00-Q5600002)  
Performed ECTM download on both engines (CAMP # 761330A)

Service Bulletins:

Checked SB 40-32-14 (basic) / Landing gear → found N/A - by installed wheel assembly S/N (CAMP # 40-32-14)

Life Limit Parts:

Performed 300 hour replacement of the hydraulic filter manifold elements (CAMP # 5-19-01-D2910017 and # 5-19-01-D2910018)

**Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.**

Date: February 15, 2010  
for DE.145.0059  
Tel. + 49 911 93560

AERO-DIENST NURNBERG  
Fax. + 49 911 9356 406

Sign:

  
License No  
D-1937  
C  
PERS. Certifying


# MAINTENANCE RECORD



## Certificate of Release to Service Work Package

Operator/Customer: VISTAJET		PO #: GVX-01-10 SO		Type: LR40
Status: LR40	Model: LR40	S/N: 2097	Hours: 1130 : 18	Reg.: OE-GVX
Aircraft: LR40				S/N: 2097
Fleet Manager / Contact: TAMMARI				TAG WOK: 12805
LDgs / Cycle: 948				

Performed By: TAG AVIATION GENEVA (CH: 145.0248)      Started: 18.02.2010      Completed: 18.02.2010

The following works have been done in accordance with the following documentation:

Approved Maintenance Programme	Ref No.:	Rev.:	Date:
Aircraft Maintenance Manual	Ref No.: AMM (MM-105) - LR40	Rev.: 17	Date: 23.11.2009
Engine Maintenance Manual	Ref No.:	Rev.:	Date:
APU Maintenance Manual	Ref No.:	Rev.:	Date:
Reference Action Taken			
32501 25	GALLEY TRASH CONTAINER ALWAYS OPENS. SCREW MISSING. NEW ONE INSTALLED AND DOOR ADJUSTED. IAW ATA		

<b>Maintenance Organisation:</b> TAG Aviation S A GENEVA, Switzerland  The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with EASA Part-145 and in respect to that work, the aircraft/aircraft component is considered ready for release to service. Date (dd/mm/yy): 18.02.2010	<b>EASA Approval:</b> CH 145 0248  Name/Stamp / Sign:
--	---

TAG Aviation SA  
CH 145 0248  
M. BARRY  
Tel: 078 830 11 00

S E LICENSE NUMBER

**Certificate of Release to Service**

WO-No.: 101105



Aircraft	Bombardier	Operator	VistaJet
Manufacturer	Aerospace	Lufthansauntermo	
Model	LEAR 45	Registration	OE-GVX
Maintenance performed in	BERLIN, EDDB		
		Hours	S/N
		1170-01	45-2097
		981	P116948C
		981	P116947C
		981	APU
		981	
		981	

- WEIGHT AND BALANCE UPDATED
- AD 2009-24-22 N/A BY AIRCRAFT SERIAL NUMBER
- AD 2009-11-13 PARAGRAPH G & H DURING SB40-71-04, NEXT DUE AFTER 150 FLIGHT HOURS
- AD 2010-06-13 "CRACKED AND MISSING BALLSCREW ASSEMBLY SLEEVES OF THE FLAP ACTUATORS" NEXT DUE AFTER 6 MONTH
- AD 2010-06-11 "TFE731 LPCR DISCS" N/A ON TFE731-20 SERIES
- AD 2010-04-16 "TYPE H1-10 AIR HALON 1211 PORTABLE FIRE EXTINGUISHERS" N/A BY INSTALLED EXTINGUISHER TYPE
- AD 2009-24-22 PARA G / H "INSPECT/REPLACE TO PREVENT THE USE OF DOOR SEALS AND SEALANT THAT DO NOT MEET
- REPLACED RUDDER TRIM TAP ACTUATOR P/N OFF/ON 4323322. S/N OFF 0471 S/N ON 0445
- REPLACED ALL PWD + APT FLIGHT CONTROL CABLES
- REPLACED PITCH SERVO CABLE
- REPLACED L/H AND R/H ENGINE STARTER DRIVE SHAFT SEAL
- REPLACED L/H-ENG OIL FILTER BY-PASS VALVE (INDICATOR) P/N OFF/ON 3060782-2. S/N OFF 030645102155 S/N ON 10-06451-
- REPLACED BOTH CONTROL COLUMN BOOTS P/N OFF/ON R/H 4525103015-010 AND L/H -009. S/N N/A
- REPLACED T/R LATCH ACTUATOR L/H-INBO P/N OFF/ON DS280-7. S/N OFF A30042018 S/N ON A30042231
- REPLACED L/H OUTBOARD T/R ACTUATOR P/N OFF/ON LJ7833100-3. S/N OFF A30042075 S/N ON 963291R
- REPLACED COMM #2 UNIT P/N OFF/ON 7510700-865. S/N OFF 07058429 S/N ON 07088631
- REPLACED STBY ALTIMETER P/N OFF/ON 26240-1129. S/N OFF 283083 S/N ON 271893
- REPLACED ALL STALL TRIANGLES ON BOTH WINGS
- RECERTIFIED FIRST AID KIT NEXT DUE 08/2011

Documentation/Approved Data Learjet 40 AAM Rev 17  
 Deferral tier none  
 Pertinent details of work performed are on file under Work Order No 101105

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service

Lufthansa Bombardier Aviation Services GmbH  
 Tel +49 30 88754600 Fax +49 30 88754511  
 Place BERLIN, EDDB  
 Date Mar 26/2010  
 Name Lars Lemke

Stamp: LBA License No. D-6031 C

Signature: [Handwritten Signature]

Part-145 Approval Reference DE.145.0315

Form DE 145 0315 - 01 Rev. 11/2005

MECHANIC'S SIGNATURE	LICENSE NUMBER



# MAINTENANCE RECORD

<b>DATE</b>	<b>INSPECTION - MAINTENANCE - REPAIR</b>	<b>Aircraft Certificate of Release to Service</b> and <b>Maintenance Statement</b>
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**Certificate of Release to Service**  
**Work Package**

Operator/Customer: VISTAJET		PO & GVX-08-10 LBS		Type: LBSG
Aircraft: Model		SN	Hours	Reg: OE-GVX
Aircraft: LBSGXR		45-2078	1164 07	S/N: 45-2078
Flight Manager / Contact				TAG WOP: 13182

Performed By: TAG AVIATION GENEVA (LSG)	Started: 18.04.2010	Completed: 20.04.2010
---	---------------------	-----------------------

The following work have been done in accordance with the following documentation:

Approved Maintenance Programme	Ref No.	Rev.	Date
Aircraft Maintenance Manual	Ref No.: AMM (M.M.105) LBSG	Rev.: 17	Date: 23.11.2009
Engine Maintenance Manual	Ref No.	Rev.	Date
APU Maintenance Manual	Ref No.	Rev.	Date

Reference	Action Taken
33001	LM BLEED AIR LEAK RED CAS MESSAGE INTERMITTENT ONLY IN CLIMB PERFORMED INSPECTION/CHECK OF BLEED AIR DETECTION ELEMENTS, JMW AMM 26-12-02 AND PERFORMED REROUTING OF ELEMENTS. CROSSED LM AND RM DETECTION UNITS FOR TROUBLE SHOOTING (JMW AMM 26-12-01) LM BLEED AIR DETECTION UNIT LM 35008-39, SN OF: 1812, SN ON: 1817 RM BLEED AIR DETECTION UNIT RM 35008-39, SN OF: 1817, SN ON: 1812 PERFORMED OPERATIONAL TEST OF BLEED AIR LEAK DETECTION SYSTEM (JMW AMM 26-12-00) FOUND SATISFACTORY NO LEAK FOUND ON BLEED AIR SYSTEM. FAILURE NOT REPRODUCED.

ECASA Approval: CH-145 0248

Maintenance Organisation  
TAG Aviation S.A. GENEVA-Switzerland

The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with EASA Part-145 and in respect to this work, the aircraft/maintenance component is considered ready for release to service.

Date (dd/mm/yy): 20/04/10

Name/Stamp / Sign:

Location: UFRB

Aircraft Certificate of Release to Service

**Maintenance Statement**

Jet 40, SN 45-2097 Registration:   
 hrs/Cycles at Maintenance completed: 1,199:37  
 Maintenance was completed: LSGG Date:   
 10-5041 Tech Log Ref: Custome  
 GVX-10-10 MCM

**Work carried out:**

- Main hydraulic filter, found satis
- Hydraulic Filter Bypass Indicator
- Hydraulic Filter Bypass Indication after extended Engine Run,
- ments:
- 18, dated 30.03.2010
- 10, dated 18.02.2010
- id on Work Order.

Work specified - except as otherwise specified - with Part-145 and in respect to that work the aircraft component is considered ready for release to service.

Signing: Josef Schorhauser Signed:

Station: M.C.M. Ltd. - Station / Extern, WZ.145.01

# MAINTENANCE RECORD

REPAIR

Aircraft Certificate of Release to Service  
and  
Maintenance Statement

M.C.M.

Aircraft Type: LearJet 40, SN 45-2097

Registration: OE-GVX

Aircraft total Hours/Cycles at Maintenance completed: 1,199:37 999

Location where Maintenance was completed: LSGG Date: 23 Apr 2010

Work Order No.: 10-5041 Tech Log, Ref: Customer Order  
GVX-10-10 MCM

Following Maintenance carried out:

- Performed:
- Visual Check of Main Hydraulic Filter, found satis
- Reset of Main Hydraulic Filter Bypass Indicator
- Check of Main Hydraulic Filter Bypass Indicator after extended Engine Run, found satis

Type related Documents:

- MM (Airframe) Rev. 18, dated 30.03.2010
- LMH (Engine) Rev. 10, dated 18.02.2010
- Further Details held on Work Order.

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part-145 and in respect to that work the aircraft/component is considered ready for release to service

Name of Person signing: Josef Schlorhauser Signed: 

Part-145 Organisation: M.C.M. Ltd. - Station / Extern, MT-145.05


CERTIFICATE OF RELEASE TO SERVICE

**Aero-Dienst**

FAAC 13793M GACA AHO-104F DE.145.0059

A/C Type: Learjet 40  
A/C TT: 1.201:58  
APU TT: N/A

S/N: 45-2097  
Ldgs: 1.001  
APU CYC: N/A

Reg. Mark: OE-GVX  
MO-Nr.: MO26360  
Loc: Nuremberg

The maintenance as listed under this Maintenance Order are performed in accordance with Learjet 40 Maintenance Manual Rev. 18, dated March 29 / 2009, except as otherwise specified.

Life Limit Parts:

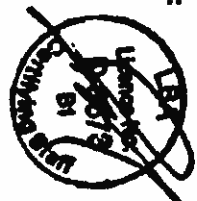
Replaced main hydraulic filter element (300 hour)

Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: April 26, 2010  
for DE.145.0059  
Tel. + 49 911 93560

AERO-DIENST NÜRNBERG  
Fax. + 49 911 9356 406

Sign:



MAINTENANCE RECORD

ICE - REPAIRS - ALTERATI

W.R.	100
Arbeitsplatz	Lea
Registrierung	OE
Data Received	05

MILAN

MAINTENANCE PERFORMED

- 1 No 1 Engine - Down
- 2 No 2 Engine - Down
- 3 Tire Pressure Service
- Lights Check, Lavato

ENGINES:

- 1 Engine Oil Level C

AD/SB:

- No ADs / SBs embodied

COMPONENT REPLACED

- 1 Main hydraulic filter

Air Rour S.p.A. - Milano -  
"Certify that the work specified, e  
specified, was carried out in accordance with EASA/J  
respect to that work the aircraft / on  
considered ready for release to service"

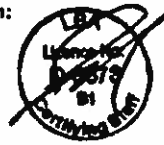


...work was specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: April 26, 2010  
for DE 145, 0059  
Tel. + 49 911 93560

AERO-DIENST NÜRNBERG  
Fax. + 49 911 9356 406

Sign:




**.. AINTENANCE RECORD**

ICE - REPAIRS - ALTERATIONS

MECHANIC'S  
SIGNATURE

LICENSE  
NUMBER

GVX - 12-19-2014

	<b>MILANO</b>	<b>BOMBARDIER AEROSPACE</b> Authorized Service Facility EASA IT 145.0320
W. Registration No. 10097227	W/C Serial Number 2097	
Aircraft Type Learjet 40	A/C Hours (hrs. min) 5:00 1220	
Registration OEGVX	A/C Landing 2297481 1015	
Date Received 05 May 2010	Returned in Service 06 May 2010	

**MAINTENANCE PERFORMED:**

- No. 1 Engine - Download Engine (Deec) Computer Ecma
- No. 2 Engine - Download Engine (Deec) Computer Ecma
- The Pressure Service, Check all Tires for Wear, Oxygen Service, Hydraulic Fluid Level Check

**Light Check, Lavatory Service, Drain Fuel system.**

**ENGINES:**

- Engine Oil Level Check add 1/2 qt for each engine

**AD/SE:**  
No ADs / SBs embodied at this time.

**COMPONENT REPLACED (SERIALIZED/LIFE LIMITED):**

- Main hydraulic filter manifold assy: P/N OFF ON 2247H000-004 S/N OFF 1486 S/N ON 0256

Stamp: AIR FOR FAI GONE SIGNATURE AFO-CA-12  
Page 1 of 1

Air Bour S.p.A. - Milano -  
"Certify that the work specified, except as otherwise specified, was carried out in accordance with EASA/FAA Part 145 and in respect to that work the aircraft / engine / component is considered ready for release to service"

Op	Pa	Th	Me	Se	Fr	Sa	Su
24	25	26	27	28	29	30	31

1262:39 1047  
1264:38 1049

1262:39	1047								
1264:38	1049								

**Certificate of Release to Service**

**Lufthansa Bombardier Aviation Services**

Model: **WJ-100**  
WJ-100 SN: **31**  
WJ-100 No.: **101293**

Aircraft	Manufacturer: <b>Bombardier Aerospace</b>	Operator: <b>VistaJet Luftfahrtunternehmen GmbH</b>	Registration: <b>OE-GVX</b>
Model:	<b>LEAR45</b>	Registration: <b>OE-GVX</b>	
Maintenance performed in:	<b>BERLIN, EDDB</b>		
IRN R2750057			
FLUORESCENT PENETRANT INSPECTION ON ALL FLAP ACTUATOR BALLNUT ORIGINAL SLEEVES PERFORMED.			
NOTE: NEXT INSPECTION DUE ON 26 AUGUST 2010.			
NOSE WHEEL ASSY REPLACED.			
PIN OFF/ON: 2342003-077. SN OFF: NOV06-10283. SN ON: OCT08-10720.			
DEEC DOWNLOAD ON BOTH ENGINE COMPUTERS PERFORMED.			
SEVERAL SERVICE ITEMS PERFORMED.			
Documentational/Approved Date: <b>Learjet 40 AMM Rev. 18</b>			
Defected Item: <b>none</b>			

FROM	May 26/2010	TO	May 27/2010
APU			
Engine#1	P116948C	Engine#2	P116947C
Engine#2	P116947C	APU	N/A
SN	45-2097	SN	1264:38
Hours	1264:38	Hours	1264:38
Cycles	1049	Cycles	1049

Perinent details of work performed are on file under Work Order No.: 101293

Cardless that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/ aircraft component is considered ready for release to service.

**Lufthansa Bombardier Aviation Services GmbH**  
Tel: +49 30 86754600 Fax: +49 30 86754511  
Berlin, EDDB  
May 27/2010  
Thomas Hoffer



Part-145 Approval Reference DE.145.0315

See that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work, the aircraft/aircraft component is considered ready for release to service.

3/6/10

Manufacturing / Sign: **ORU, K**

TAG Aviation SA  
CH 145 0248  
G ORLMIAC  
PM 41, PR00300



Certificate of Release to Service  
Work Package

GVX - 14-10 TR6LS

MAINTENANCE RECORD

INS

Aviation: **VISTAJET** PO# : GVA-14-10 TAG-LS

Type:	LR4001
Reg.:	OE-GVX
SN:	48-2078
TAG WOE:	13335

Status	Model	SN	Hours	Legs / Cycles
Aviation	LR4001	48-2078	1318.50	1887

Performed By: TAG AVIATION GENEVA (RSG) Started: 17.08.2010 Completed: 18.08.2010

The following works have been done in accordance with the following documentation

Reference	Action Taken	Ref No.	Rev.	Date:
31201	CHECKED TIRES PRESSURE. IAW AAM 12-10-04. FOUND SATISFACTORY	Ref No.: AAM (Rev.106) - LR40	Rev.: 18	Date: 28.03.2010
31202	CHECKED OXYGEN LEVEL. IAW AAM 12-10-04. FOUND SATISFACTORY	Ref No.: Engine Maintenance Manual	Rev.:	Date:
31203	PERFORMED OIL LEVEL CHECK	Ref No.: APJ Maintenance Manual	Rev.:	Date:
31204	PERFORMED SERVICING ON ENGINE #1 AND #2. IAW AAM 12-10-07			
31205	CHECKED HYDRAULIC FLUID LEVEL. IAW AAM 12-10-01. FOUND SATISFACTORY			
31206	LAVATORY SERVICE PERFORMED SERVICING OF PORTABLE WATER SYSTEM. IAW AAM 12-10-08			
31206	DRAINED FUEL SYSTEM. IAW AAM 28-00-00			
31206	RH FUEL PRESSURE LIGHT STEADY ON. PROBABLY MOTIVE FLOW PUMP US. PERFORMED ENGINE #2 RUN-UP. IAW AFM. FAULT NOT REPRODUCED ON GROUND. CHECKED FUEL MOTIVE FLOW PUMP. IAW AAM 71-00-01. PRESSURE FOUND SATISFACTORY			
31206	FUEL PRESSURE SWITCH ON ENGINE #1 AND #2 CROSSED FOR TROUBLE SHOOTING. FUEL PRESSURE SWITCH #1. P/N: 782B400102-001. SN ON: 41070201. SN OFF: 41070202. P/N: 782B400102-001. SN ON: 41070201. SN OFF: 41070202. IAW AAM 28-40-01. FOUND SATISFACTORY			
31206	PERFORMED LEAK CHECK AND INDICATION TEST. IAW AAM 28-40-01. FOUND SATISFACTORY			
31206	FOR INFORMATION, PRESSURE FOUND ON MOTIVE FLOW PUMP. IOWE-150 P/S. IWR 685-246 P/S. IAW AAM 12-10-04. FOUND SATISFACTORY			
31206	CHECKED TIRES WEAR. IAW AAM 12-10-04. FOUND SATISFACTORY			
31206	PERFORMED DEEC DOWNLOAD ON ENGINE #1 AND #2. IAW AAM 72-00-00.			

EASA Approval: CH. 145 0248

Maintenance Organization: TAG Aviation S.A. GENEVA-Switzerland

The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with EASA Part-145 and in respect to that work, the aircraft component is considered ready for release to service.

Date (dd/mm/yy): 18/06/10

Location: LFRS

Manufacture / Sign:

TAG Aviation SA  
CH. 145 0248  
D ORLHAC  
M/A1:R0002808

*ORU:K*

# MAINTENANCE

<b>DATE</b>	<b>INSPECTION - MAINTENANCE - REPAIRS - AI</b>
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## Aircraft Certificate of Release to Service and Maintenance Statement



Aircraft Type: **LearJet 40, SN 45-2097**      Registration: **OE-GVX**

Aircraft total Hours/Cycles at Maintenance completed: **1.385.35**      **1137**

Location where Maintenance was completed: **LEIB**      Date: **16 Jul 2010**

Work Order No.: **10-5089**      Tech Log, Ref: Customer Order  
**GVX-18-10 MCM**

### Following Maintenance carried out law Operator Maintenance Program

#### OMP-VistaJet-LR45:

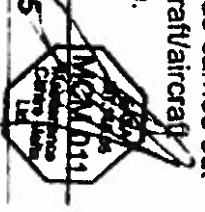
- Performed:**
- 05-71-10: 150 HRS Inspection on both Engines
  - ECT's Download
  - 5-19-00-Q1221064: Flap Actuator Joint, PN: 145673-1, Corrosion preventive Compound
  - 5-19-00-R2750056: Detailed visual inspection of the Flap Actuator Joint, PN: 145673-1
  - 5-19-00-Q7100032: Detailed inspection of LH Engine Nacelle Tubes
  - 2J 2009-11-13, Part G, H, I & J: Detailed inspection of chafed Hydraulic Tubes on LH Engine

**Type related Documents:**  
MM (Airframe) Rev. 18, dated 30.03.2010  
LMM (Engine) Rev. 10, dated 16.02.2010  
For further Details refer to above mentioned W/O.

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Name of Person signing: **Ralf Schendera**      Signed:

Part-145 Organisation: **M.C.M. Ltd. - Station / Extern, MT.145.05**



## CERTIFICATE OF RELEASE TO SERVICE

**Aero-Dienst**

FAACV5Y791M      GACA AMB-1047  
DE 145 0059

A/C Type: **Learjet 40**  
A/C TT: **141043**  
APU TT:

S/N: **45-2097**  
Ldgs: **1.157**  
APU CYC:

Reg. Mark: **OE-GVX**  
MO-Nr.: **MO28345**  
Loc. **Nuremberg**

CERTIFICATE OF RELEASE TO SERVICE

**Aero-Dienst**

FAKVVY79M OAKA 24/11/04  
DE 145 0059

A/C Type: Learjet 40  
A/C TT: 1 410 43  
APU TT:

S/N: 45-2097  
Ldgs: 1, 157  
APU CYC:

Reg. Mark: OE-GVX  
MO-Nr.: MO28345  
Loc: Nuremberg

The maintenance as listed under this Maintenance Order are performed in accordance with Learjet 40 Maintenance Annual Rev. 19, dated June 28/2010, except as otherwise specified.

Scheduled Inspections:

Engines:  
Performed DEEC download on L/H and R/H engine  
Performed engine oil check

Inspections with special requirements:

Performed tire pressure check  
Performed 300 hours windshield rain removal check  
Performed 300 hours replacement of the main hydraulic filter elements

Life Limit Parts:

Replaced main battery #1 off: P/N RG-380E/40L S/N 40286926 on: P/N RG-380E/40L S/N 40332667  
Replaced main battery #2 off: P/N RG-380E/40L S/N 40286922 on: P/N RG-380E/40L S/N 40332668

Replacements Items:

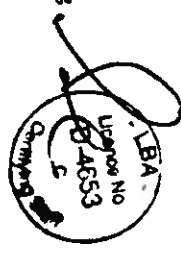
Replaced ECS Temperature Controller off: P/N 1151830-3 S/N 1151830-00858 on: P/N 1151830-3 S/N 1151830-00695  
Replaced MLG tire #3 off: P/N 226K08-4 S/N 82040713 on: P/N 226K08-4 S/N 93171041  
Replaced MLG tire #4 off: P/N 226K08-4 S/N 82040704 on: P/N 226K08-4 S/N 72740924

Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: JUL-30-2010  
for DE 145, 0059  
Tel. + 49 911 93560

AERO-DIENST NÜRNBERG  
Fax. + 49 911 9356 406

Sign: Aldag



Certificate of Release to Service Lufthansa Bombardier  
WO-No.: 100346 Aviation Services

Manufacturer Bombardier Aircrafts Part 145





TAG FARNBOROUGH ENGINEERING LTD



LOG BOOK CERTIFICATE

JOB No: WP22137

Aircraft Type: LEARJET 40XR	Aircraft Registration: OE-GVX	Aircraft Serial No: 45-2097
Engine Type	No. 1 Engine S/No:	No. 2 Engine S/No:
No 3 Engine S/No: N/A		

Work carried out on the above aircraft at: Unknown Hours / Unknown Landings.

- AD 2009-11-13 Chafed hydraulic tubes in the left-hand engine.
- AD 2009-11-13 PARA (G) Detailed inspection of the chafed hydraulic tubes in the left hand engine case drain tube.
- AD 2009-11-13 PARA (H) Detailed inspection of the chafed hydraulic tubes in the left hand engine Nacelle tubing.
- AD 2009-11-13 PARA (I) Detailed inspection of the chafed hydraulic tubes in the left hand engine for fluid leakage and inadequate clearance
- AD 2009-11-13 PARA (J) Replace chafed hydraulic tubes in the left hand engine clamp

This is to certify that the work specified above has been extracted from certified worksheets contained in Workpack Reference WP 22137 held at Technical Records, Farnborough.

Signed *[Signature]* (KFA) TR2

Date: 20<sup>th</sup> August 2010.

TAG FARNBOROUGH ENGINEERING LTD  
EASA Part-145 APPROVAL: UK.145.00443

**Certificate of Release to Service**  **Lufthansa Bombarrier Aviation Services**

WO-NO.: 101492

Manufacturer	Bombardier	Airframe	Engine 1	Engine 2	APU
Model	LEAR45	S/N 45-2097	P116948C	P116947C	N/A
Registration	OE-GVX	Hour 1482 54	1482 54	1482 54	N/A
Operator	VisaJet Luftfahrtunternehmen GmbH	Cycle 1215	1215	1215	N/A

Maintenance performed in BERLIN, EDDB from Sep 6/2010 to Sep 6/2010



\* REPLACED STANDBY ATTITUDE INDICATOR PIN OFF/ON 501-1848-02; S/N OFF 1591; S/N ON 1114

Documentation/Approved Date: Lateral 40 AMM Rev. 1B

Deferred Item: none

Particular details of work performed are on file under Work Order No. 101492

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Lufthansa Bombarrier Aviation Services GmbH  
 Tel: +49 30 88754600 Fax: +49 30 88754511  
 Place: BERLIN, EDDB Stamp:  Part-145 Approval Reference: DE: 145.0315  
 Date: Sep 6/2010 Signature:  Date: 145.0315  
 Name: Lars Lemke



**CERTIFICATE OF RELEASE TO SERVICE**

**Aero-Dienst**

DE 145 0094

A/C Type: Learjet 40  
 A/C TTE: 1 516 50  
 Ldg#: 1 240

Reg. Mark: OH-GVX  
 MO-Nr.: M029103  
 Loc: Nuernberg

The maintenance as listed under this Maintenance Order are performed in accordance with Lateral 40 Maintenance Manual Rev. 20, dated September 09, 2010, except as otherwise specified.

Inspections with special requirements:  
 Performed I MS NAV database update  
 Performed ECTM download on both engines (CAMP # 761330A)

**Replacement Items:**

Replaced both temperature sensors and performed functional check  
 L/J off P/N: 1151724-1 off S/N: 1151724-01973 on P/N: 1151724-1 off S/N: 1151724-02013  
 R/H off P/N: 1151724-1 off S/N: unknown on P/N: 1151724-1 off S/N: 1151724-02018

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: September 22, 2010  
 For DE: 145 0094  
 Tel: + 49 911 93560

AERO-DIENST NUERNBERG  
 Fax: + 49 911 9356 406

Sign:   
 From Mr. 145 0094  
 For DE: 145 0094  
 C  
 AERO-DIENST NUERNBERG





100-100-1000 TAG FMS

# TAG FARNBOROUGH ENGINEERING Ltd



MECHANIC'S SIGNATURE	LICENSE NUMBER

## BOOK CERTIFICATE

Type LEARJET 40X

Type

Engine S/No: N / A

Work carried out on the above aircraft at: 1559 56 Hours / 1272 Landings

Work carried out on the above aircraft at: 1559 56 Hours / 1272 Landings

Work carried out on the above aircraft at: 1559 56 Hours / 1272 Landings

Work carried out on the above aircraft at: 1559 56 Hours / 1272 Landings

Gvx-27-10 TAG FMS

JOB No: WP 22602

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## TAG FARNBOROUGH ENGINEERING Ltd



JOB No: WP 22639

## LOG BOOK CERTIFICATE

Aircraft Type: LEARJET 40XR	Aircraft Registration: OE-GVX	Aircraft Serial No: 45-2097
Engine Type:	No 1 Engine S/No:	No 2 Engine S/No
No.3 Engine S/No: N / A		

Work carried out on the above aircraft at: 1559 56 Hours / 1272 Landings

1. Audio control panel changed. P/no 4523558501-009, S/no 06128675, OFF. P/no 4523558501-005, S/no 98073167, B/no 7010, ON. Function checked satisfactory.

This is to certify that the work specified above has been extracted from certified worksheets contained in Workpack Reference: WP 22639 held at Technical Records, Farnborough.

Signed: *MP Smith* (AFR TR2) Date: 27<sup>th</sup> October 2010

TAG FARNBOROUGH ENGINEERING Ltd.  
EASA Part-145 APPROVAL: UK 145 00443

GVF-26-10 7116 FHV

**TAG FARNBOROUGH ENGINEERING Ltd**



**MECHANIC'S SIGNATURE**

**LOG BOOK CERTIFICATE**

**JOB No: WP 22602**

Aircraft Type: LEARJET 40XR	Aircraft Registration: OE-GVX	Aircraft Serial No: 45-2097
Engine Type	No 1 Engine S/No:	No 2 Engine S/No:
No.3 Engine S/No: N/A		

Work carried out on the above aircraft at: 1554. 14 Hours / 1268 Landings.

**DEFECTS:**

1. Rhand speaker inoperative. **RECTIFICATION:** Serviceable audio panel removed from OE-GVA and installed into Rhand position I.A.W. 23-30-03. P/no 7511001-937, S/no 0709C336, OFF. P/no 7511001-937, S/no 0612B675. B/no 6970, ON.
2. Other minor defects rectified, see work pack for full details.

This is to certify that the work specified above has been extracted from certified worksheets contained in Workpack Reference: WP 22602 held at Technical Records, Farnborough

Signed: *[Signature]* **(AFA) (FR2)** Date: 25<sup>th</sup> October 2010.

**TAG FARNBOROUGH ENGINEERING Ltd**  
**EASA Part-145 APPROVAL: UK. 145.00443**

C3 0310

PAGE No. 1 OF 1


# MAINTENANCE RECORD

GVX-29 / 0 T116 F23

TAG FARNBOROUGH ENGINEERING Ltd



MECHANIC'S  
SIGNATURE

LI  
NI

DATE

## LOG BOOK CERTIFICATE

JOB No: WP 23069

Aircraft Type	LEARJET 40XR	Aircraft Registration	OE-GVX	Aircraft Serial No.	45-2097
Engine Type		No 1 Engine S/No		No 2 Engine S/No	
No 3 Engine S/No	N/A				

Work carried out on the above aircraft at 1620 37 Hours / 1324 Landings

### CAMP DUE LIST ITEMS:

- 761330A # 1 engine DEEC download
- 761330A # 2 engine DEEC download

### DEFECTS:

1. # 1 and # 2 engines oil levels checked satisfactory
2. Various other minor defects rectified, see work pack defect sheets for full details.

This is to certify that the work specified above has been extracted from certified worksheets contained in Workpack Reference WP 23069 held at Technical Records, Farnborough.

Signed *MP* **AFR**

Date: 17<sup>th</sup> December 2010.

TAG FARNBOROUGH ENGINEERING Ltd  
EASA Part-145 APPROVAL UK 145 00443

C3 3310

PAGE No 1 OF 1

# MAINTENANCE RECORD

GVX - 0085 - 2011 TAG

TAG FARNBOROUGH ENGINEERING Ltd



DATE

LICENSE NUMBER

## LOG BOOK CERTIFICATE

JOB No: WP 23277

Aircraft Type: LEARJET 40XR	Aircraft Registration: OE-GVX	Aircraft Serial No: 45-2097
Engine Type: TFE731-20/-40/-60 (CIMMSI)	No. 1 Engine S/No: P116948C	No. 2 Engine S/No: P116947C
No. 3 Engine S/No: N/A		

Work carried out on the above aircraft at: 1654.15 Hours / 1347 Landings.

1. Performed servicing package. CAMP CODE: 050100. See DCN 7 in the work pack for full details.

### DEFECTS:

1. Stuck ailerons during flight. RECTIFICATION: Visual inspection carried out of ailerons. Removal of de-ice/anti-ice residue carried out. Lubrication of aileron brush seals carried out, and function checked satisfactory. CAMP CODE: 110117-1.
2. F.D.R. download carried out on aircraft by Muirhead Avionics. CAMP CODE: 110117-2.
3. Winter operations inspection carried out. See DCN 8 in the work pack for full details. CAMP CODE: 110111-1.

This is to certify that the work specified above has been extracted from certified worksheets contained in Workpack Reference: WP 23277 held at Technical Records, Farnborough.

Signed:  (M.A.S. TR2)

Date: 19<sup>th</sup> January 2011.

TAG FARNBOROUGH ENGINEERING Ltd.  
EASA Part-145 APPROVAL: UK. 145.00443





## MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	45-2097 page 2		
	Complied with Service Bulletin 40-32-15K1 "Alt Landing Gear Control Valve Freefall Cable and Alt Emergency/Parking Brake Cable Clamp Installation".		
	Complied with 300 Hour Main Battery Connector Inspection (Cables and Receptacles) as outlined in "Special Inspections" in chapter 5 of the maintenance manual.		
	Complied with 300 Hour Windshield Rain Removal Coating Effectiveness Test as outlined in "Special Inspections" in chapter 5 of the maintenance manual.		
	Complied with 300 Hour Replacement of Main Hydraulic Filter Manifold Elements as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Replaced (2ea) elements P/N M8815-6-10 with new.		
	Complied with 600 Hour Horizontal Stabilizer Actuator Primary and Secondary Trim Functional Test as outlined in "Special Inspections" in Chapter 5 of the maintenance manual.		
	Complied with 1200 Hour Boroscope Inspection of HP Bleed Air Manifold Assembly, as outlined in "Special Inspections" in chapter 5 of the maintenance manual.		
	Complied with 1200 Hour Starter/Generator Overhaul, as outlined in "Special Inspections" in chapter 5 of the maintenance manual. Overhauled L/H 6608458-012 S/N Y20725, R/H P/N 6608458-012 S/N P1436 CA.		
	Replaced Horizontal Stabilizer Actuator P/N 6627401000-009 S/N B0555 with an Overhauled unit P/N 6627401000-009 S/N B0570. This satisfies the 1200 Hour Inspection of Horizontal Stabilizer Actuator, as outlined in "Special Inspections" in chapter 5 of the maintenance manual. Assembly TF: 1753.99, assembly TSSI: 155.09 and assembly TSO: 0.0.		
	Complied with 2400 Hour Replacement of Main Landing Gear Inboard Door Cap Screws as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual, 8ea P/N NAS1352-3H12P.		
	Complied with 3 Month Application of Corrosion Preventive Compound (CPC) to Flap Actuator Joint (P/N 145673-1) as outlined in "Special Inspections" in chapter 5 of the maintenance manual.		
	Continued next page		





## MAINTENANCE RECORD

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	45-2097 page 4		
	Complied with 60 Month Replacement of the L/H and R/H Main Landing Gear Actuator lower Pin as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Replaced L/H and R/H MLG Actuator lower pin P/N 200-0217-101 L/H S/N H1736, R/H S/N H1684 with new P/N 200-0217-101 L/H S/N H2368, R/H S/N H2379.		
	Verified oxygen bottle P/N 6635000000-119 S/N ALT280-2336, MFG 08-2003, Hydro date 03/2009.		
	Replaced crew portable fire extinguishers S/N X-415345 and S/N X-373316 with new P/N 344T S/N X-767791 and S/N X-767865, both have MFG date: 2009, and Replaced lav. fire extinguisher S/N X-465171 with new P/N C352TS S/N X-984559, MFG date: 2010.		
	Replaced lower main battery S/N 40332668 with new P/N RG-380E/40L S/N 40388768.		
	Replaced upper main battery S/N 40332667 with new P/N RG-380E/40L S/N 40391759.		
	Replaced emergency battery P/N RG-443 S/N 40316358 with new P/N RG-443 S/N 40396608.		
	Replaced coplats windshield P/N 6656100001-002 S/N 0678 with new S/N 1168.		
	Replaced coplats O2 mask P/N 6635000000-059 S/N SE12070 with overhauled S/N SE19364 with O.I.L. date 04 2011.		
	Deactivated VMO/MMO, Curve Straps (JAA) (Learjet 40) Reconfigured / Restrapped to U.S. Standards by Removing FCR 8885 IAW IJ Dwg 4534189502 Rev(C).		
	Vendor (MedAire) refurbished first aid kit P/N AF/AK S/N 112907013, expiration date 7-31-2012.		
	Installed I-40 Extended Range Modification IAW Modsum No. J1045T1022958 Rev AC. Installed the following new parts: fuselage fuel filler cap P/N 457-1467, fuel vent tube assembly P/N 4528102025-011, L/H fuel expansion tube assembly P/N 4528102155V7001-001, R/H fuel expansion tube assembly P/N 4528102155V7001-002, P/N 4528102006-009, pre-check tube assemblies P/N 4528402020V6-001, P/N 4528402020V6-003, NACA surge duct assembly P/N 4528102134-001, and NACA fuel vent surge tank assembly P/N 4528102135V23-001. Installed exterior placards P/N 4511203100-066, P/N 4511203100-102, P/N 4511203100-103, interior placard P/N 4511303100-281. Continued airworthiness to be maintained under manufactures type certificate contained in Learjet Model 40 Maintenance Manuals.		
	Continued next page		

## MAINTENANCE RECORD

45-2097 page 5

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	<p>Installed Keith Products Vapor Cycle Air-conditioning with Auxiliary heat system I/A/W ECR 4448 Rev AV and IJ REF# 452097ICT3980, RED# 452097ICT3964, and IJ RFE # ICT10953901-1. Installed new Kit P/N 45-0100-6 S/N K54590; with Compressor Pallet Assy. P/N 45-0550-1 S/N 54472. Compressor Motor Assy. P/N ES61110-4 S/N 551. Overlay Assy. P/N TL452163002-101 S/N 538, Condenser Assy. P/N 45-0350-1 S/N K54361, Fwd Evaporator Assy. P/N 45-0250-3 S/N K54324, Aft Evaporator Assy. P/N 45-0263-2 S/N K42380, Auxiliary Heater Assy. P/N 45-0264-2 S/N K42907, Power Panel Assy. P/N 45-1756-1 S/N K54426, Load Shed Assy. P/N 45-0755-1 S/N K42397, and Evaporator Fan Motor P/N ES611362. Installed AFM Supplement # W1552. Updated Equipment List.</p> <p>De-activated the London City Steep Approach (MODSUM 145T020352) IAW FAA 8110-3 approved drawing BAS45025287 Rev (B). Capped and stowed wiring as required. Replaced switch panel faceplate P/N 4534388537-001 with new faceplate P/N 4531108503-017, replaced systems/reset panel overlay P/N 800187-017 S/N 865 with repaired panel P/N 7631208500-015 S/N 538. Re-identified panel as BAS45025248-001. Removed AFM supplement W1554 from Flight Manual.</p> <p>Replaced #2 Nav. Receiver P/N 7510100-631 S/N 0704B118 with Inspected S/N 05088250.</p> <p>Replaced co-pilot's chart holder P/N 10-62-01 S/N 5512 with new P/N 10-62-01 S/N 6506.</p> <p>Replaced flight compartment fuse cover P/N 4533108555-003 with new.</p> <p>Replaced throttle quadrant overlay S/N 888 with new P/N 7676108500-007 S/N 1197.</p> <p>Replaced R/H forward lighting control S/N 120700374 with new LCU P/N SP-45-53-2 S/N 040800357.</p> <p>Replaced no smoking/fasten seat belt sign P/N 0202220-002 with new.</p> <p>Replaced L/H cabin air check valve assembly P/N 4521202042V6-001 S/N 3041 with new P/N 4521202042V6-001 S/N 3298.</p> <p>Replaced R/H cabin air check valve assembly P/N 4521202042V6-001 S/N 3040 with new P/N 4521202042V6-001 S/N 3266.</p>		

Continued next page

# MAINTENANCE RECORD

45-2097 page 6

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	Replaced forward air conditioner expansion valve P/N ES26104-1 with new.		
	Replaced altitude compensator regulator P/N 663500000-051, S/N 00474 with overhauled regulator P/N 663500000-127, S/N 00183.		
	Replaced toilet macerator P/N 5300-1, S/N UNK with new P/N 5300-1 S/N M3767.		
	Replaced R/H pylon light bulb P/N S25309-7512 with new.		
	Replaced "Green" oxygen high pressure blow-out disc P/N P28070 with new.		
	Replaced L/H (540KL & 640KR) otbd flap actuator access panel seals P/N 4557500175-001 with new.		
	Replaced R/H inboard flap actuator P/N 6627503000-021, S/N 1941 with repaired actuator P/N 6627503000-025, S/N 1057.		
	Replaced HF antenna lower attach point shackle P/N 15ARM300-21 with new.		
	Replaced crew entry door cable assembly P/N 4552100223-001 with new.		
	Replaced rudder pulley guard pin P/N NAS427K54 with new.		
	Replaced R/H plenum check valve P/N 6621000000-037, S/N 3613 with new S/N 4048.		
	Replaced R/H fuel supply tube P/N 4528202072-011 with new.		
	Replaced aft power distribution panel P/N 660GC02Y07 S/N 598 with an inspected S/N 550.		
	Replaced R/H engine hydraulic shutoff valve fuse (F128) P/N 229002 with new (P35).		
	Replaced L/H outboard gear door P/N 4552803003-003 S/N 01178100457 with new P/N 4552803003-003 S/N G359490 I/A/W (Learjet Engineering Disposition) R.E.D 452097ICT3835 and painted using PRC CA8800 m902 Titanium Met.		
	Replaced L/H pylon light bulb P/N MS25309-7512 with new.		
	Repaired #4 main landing gear wheel tire assembly P/N 4532101100-003 S/N 2643 by complying with Eddy Current inspection and replacing tire P/N 226K08-4 with new.		
	Vendor repaired co-pilot's lower fwd circuit breaker overlay panel P/N 7624608502-029 S/N 672.		

Continued next page

## MAINTENANCE RECORD

45-2097 page 7

DATE	INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	Vendor repaired co-pilot's switch panel R/H overlay assembly. P/N 11-452163002-101 S/N 538.		
	Vendor (Meggit Addison) repaired air conditioner pullet assembly. P/N 45-0550-1 S/N K54472.		
	Repaired R/H #3 stringer at frame 580 by fabricating strap from extrusion P/N N116-9137 and installing		
	1/AW Learjet Engineering Disposition R.E.D. 452097ICT3964.		
	Adjusted L/H and R/H aileron wing cables.		
	Adjusted pitch servo cable tension. Adjusted roll servo cable tension. Adjusted yaw servo cable tension		
	Inspected L/H inboard gear door P/N 4552803004-003 S/N 011780200457.		
	Removed surface corrosion pitting on L/H and R/H inbd flap tracks by blending; complying with thickness		
	check, and treating surface IAW Learjet Engineering Disposition 452097ICT3950.		
	Blended 2ea gouges from L/H and R/H wing aft spars at outboard flap actuator attach bracket locations at a		
	10:1 ratio. Complied with thickness check, remaining thickness is acceptable IAW Learjet Engineering		
	Disposition 452091CT3891.		
	L/H delta fin upper surface dents, #1 23.0 inches forward of trailing edge and 18.0 inches inboard of outer		
	edge, #2 24.0 inches forward of trailing edge and 9.0 inches inboard from outer edge have been found to be		
	cosmetic only IAW Learjet 40 SRM 53-34-10.		
	Downloaded L/H and R/H Engine EDS IAW Honeywell 731-20 LMM LJ 40 M M176-10.		
	Vendor (C&M Marine Aviation Services, Inc.) re-webbed cabin seat belt assemblies 3ea P/N 5-02-		
	2E0759CCGSReVA and 3ea P/N 5-02-2E5759CCGSReVA.		
	Reprogrammed ELT. Hex ID 2DC74BD21CF1BF; country code 366 (USA), tail number N480ES.		
	Restrapped #1 comm. and #2 comm. boards for transponder registration number N480ES.		
	Removed registration OE-GVX and painted new registration N480ES on L/H and R/H engine cowls.		
	Replaced instrument panel radio call sign placard with new registration markings N480ES.		
	Re-Placarded Interior and Exterior of Aircraft to U.S. Standard IAW 1J40 M M111-00.		

Continued next page







**FLIGHT TIME LOG**

NAME	GRADE	NO.	FLIGHT TIME	TOTAL TIME	HOURS	MINUTES	REMARKS
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**BOMBARDIER**

Air Registration	SN	Model	Date	Page 1 of 2
NABEL S	45-2097	Leaf 40	02/06/12	A C Hobb
Total Time	Landings			110
17329	1406			

The Following Serialized Parts Were Replaced:

Part Name	P/N Off	S/N Off	P/N On	S/N On	Status
Emergency Parking Brake Valve	6632401002-011	0588	6632401002-011	0033	Repaired
Flap Power Unit	6627503000-001	1531	6627503000-001	1003X	Modified

- Completed With The Following Maintenance Items:
- Complied with storage requirement for the month of December per customer requirement
  - Complied with storage requirement for the month of January per customer requirement
  - Installed modified Flap Power Unit
  - Installed repaired Emergency Parking Brake Valve

The above described maintenance is certified airworthy and a detailed record is on file under work order: 156862

TOTAL	
BROUGHT FORWARD	
GRAND TOTAL	

# FLIGHT TIME LOG

DATE	FROM	TO	FLIGHT TIME		TOTAL TIME	LNDS	PILOTS	REMARKS
			HRS	MIN				

## BOMBARDIER

Acft Registration N480ES	SN: 45-2097	Model: Lear 40	Page 2 of 2
Total Time 1732.9	Landings: 1406	Date: 02/06/12	A/C Hubs 110

I certify that this aircraft has been inspected in accordance with the instructions and procedures for an inspection program required by FAR 91.409 (f) (3), and is approved for return to service.

WO#: 156862

Acft time: 1732.9

Print Name & Signature	Kevin P. Hutchison	Date:	02/06/12	FAA CRS KW3R646L
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LEARJET INC, TUCSON SERVICE CENTER, 1235 E. AERO PARK BLVD, TUCSON AZ 85736  
FAA CRS KW3R646L

**BOMBARDIER** A/C: 45-2097 REG: N480ES LDG: 1408 TSN: 1735.6  
**AEROSPACE** CRS# 1K2R981R WICHITA, KANSAS

Complied with 15 day engine run on 3/05/2012 per Honeywell LMM 72-00.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER W/O NO: 158243.

Signature: *Jeffrey A. McFarlane* LEARJET INC. CRS# 1K2P9821R





# FLIGHT TIME LOG

## BOMBARDIER

Acft Registration N480ES	SN: 45-2097	Model: Lear 40	Page 1 of 4
Total Time 1,734.4	Landings: 1,409	Date 05/05/2012	A/C Hobbs 11.0

FLIGHT TIME      TOTAL TIME

<b>Complied With The Following Airworthiness Directives:</b>	
AD #:	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
74-08-09 R3	39-16951 Transport Category Airplanes - "NO SMOKING, NO CIGARETTE DISPOSAL" placards in lavatory. Next inspection due: 2,734 Hrs
2011-25-03	39-16879 Learjet Model 45 Airplanes - MLG Actuator End Cap Life Limitation
2010-06-13	Fluorescent Penetrant inspection on Flap Actuator Ballnut Sleeve

<b>The Following Airworthiness Directives not Applicable:</b>	
AD #:	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
2011-04-09	Transport Category Airplanes equipped with Chemical Oxygen Generators - NOT APPLICABLE, EQUIPMENT NOT INSTALLED

<b>Complied With The Following Manufacturers Chapter 5 Inspections:</b>	
Code:	Description:
IRN #2750057	6 Month Fluorescent Penetrant inspection on Flap Actuator Ballnut Sleeve
IRN # 5323032	2400Hour/24 Month inspection of the Exterior Window (unpainted) Cannings and surrounding Fuselage Skin
IRN # 2560000	24 Month Cleaning of CVR and FDR Underwater Locator Beacon and FT of the Beacon Battery
IRN # 1221064	CVR Battery Expiration Date: Feb/2016 FDR Battery Expiration Date: Nov/2012
IRN # 2620006	3 Month Flap Actuator Joint application of Corrosion Preventive Compound
	5 year hydrostatic test of the engine fire extinguisher containers Next due 04/2017
<b>GRAND TOTAL</b>	

LIFE LIMITED PARTS

# BOMBARDIER

## FLIGHT TIME LOG

Acft Registration N480LS	SN 45-2097	Model Lear 40	Date 05/05/2012	Page 2 of 4
Total Time 1,734.4	Landings 1,409		A/C Hobbs 11.0	

Complied With The Following Medaite Tasks:

**Description:**

Code: Complied with Visual inspection on First Aid kit EXP Date JUL/2012 P/N: AFAK S/N: 112907013

**The Following Serialized Parts Were Replaced:**

Part Name	P/N Off	S/N Off	P/N On	S/N On	Status
Crew Warning Panel	4531558001-005	510	4531558001-005	352	Repaired
Forward engine fire bottle	33100021-1		33100021-1	57879B1	Overhauled
Aft engine fire bottle	33100021-1		33100021-1	57829B1	Overhauled

**Complied With The Following Chapter 5 RVSM Inspection Items:**

**Description:**

Code:	
IRN # 3411062	24 Month Detailed Visual Inspection of Pitot-Static Probes
IRN # 3411052	24 Month Verification of Primary Pitot-Static Probes Pitch, Roll, and Yaw Alignment
IRN #5240004	24 Month inspection of the Avionics Door Gap and Mismatch
IRN # 5313001	24 Month Pitot-Static Probe Zone Skin Contour Check
IRN # 3411060	24 month functional test of the air data system

GRAND TOTAL

DATE MEMORANDA

# BOMBARDIER

Act'l Registration	SN	Model	Page 3 of 4
N480ES	45-2097	Leer 40	
Total Time	Landings	Date	A/C Hours
1,734.4	1,409	05/05/2012	11.0

The Following FAR 91.411 (RVSM) Checks Were Completed With Utilizing The Following Calibrated Test Equipment: Barfield DP500, T/N: TUSJ0366, Due Cal: 09/2012, Decade Box TUSJ1030 Due Cal: 04/2012

Altimeter systems tests and inspections required by F.A.R. 91.411 have been accomplished in accordance with F.A.R. Part 43 Appendix E, Paragraphs A, B, & C. The Altimeter(s) have been tested to 51,000 Feet.

Standby Altimeter Part No: 7634208001-003	Serial No.: 172243B
Altimeter systems tests and inspections required by F.A.R. 91.411 have been accomplished in accordance with F.A.R. Part 43 Appendix E, Paragraphs A, B, & C. The Air Data Computer(s) have been tested to 51,000 Feet.	
ADC No. 1 Part No.: 7030700-71704	Serial No.: 07101667
ADC No. 2 Part No.: 7030700-71704	Serial No.: 07101669
ADC No. 3 Part No.: N/A	Serial No.: N/A

The Following FAR 91.413 Checks Were Completed With Utilizing The Following Calibrated Test Equipment:  
 Test Set Barfield DP500 T/N: TUSJ0366 Due Cal: 09/2012 and ATC 601 T/N: T012552 Due Cal: 05/2012  
 ATC Transponder Tests And Inspections Required By F.A.R. 91.413 Were Performed and Found To Comply With F.A.R. Part 43 Appendix F  
 Transponder No. 1 Part No.: 7510700-665 Serial No.: 0704B374  
 Transponder No. 2 Part No.: 7510700-665 Serial No.: 0708B631

LIFE LIMITED PARTS

# BOMBARDIER

Aircraft Registration N480ES	SN 45-2097	Model Lear 40	Page 4 of 4	
Total Time 1,734.4	Landings 1,409	Date 05/05/2012	A/C Hobbs 110	

### Complied With The Following Maintenance Items:

- Complied with POAS requirement for the month of April per customer requirement
- Performed 2EA 15 day engine idle runs
- Deferred Camp Card item Visually inspected and operational checked taxi lights- no defects noted
- Deferred Camp Card item Inspected R/H Recon Light Len. No defect noted
- Serviced potty
- Installed overhauled engine fire extinguishers (2EA) P/N 33100021-1 FWD S/N 57879B1 Squib Dates 08/2007
- AFT S/N 57829B1 Squib Dates 08/2007

The above described maintenance is certified airworthy and a detailed record is on file under work order: 158550

I certify that this aircraft has been inspected in accordance with the instructions and procedures for an inspection program required by FAR 91.409 (f) (3), and is approved for return to service.

Print Name & Signature	Steven Sager	<i>Steven Sager</i>	Date:	05/05/2012	FAA CRS KW3R646L
LEARJET INC, TUCCSON SERVICE CENTER, 1255 E. AFRO PARK BLVD, TUCCSON AZ 85756 FAA CRS KW3R646L					

# BOMBARDIER

Actl Registration	SN	Model	Page 1 of 2
N480ES	45-2097	Lear 40	
Total Time	Landings	Date	A/C Hobbs
1,746.4	1,414	July 25, 2012	130

SB #:	Rev	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
40-34-19	Basic	TCAS Interference Limiting Improvement
40-56-03	Basic	Windshield Coupe Rail Inspection

Complied With The Following Service Bulletins:

Document #: 452097TUS0372 Description: L/H Windshield Retainer is torn and disbonded

Complied with the following SRPSA / RED / RFE:

Description:

The Following Serialized Parts Were Replaced:

Part Name	P/N Off	S/N Off	P/N On	S/N On	Status
Current Limiter	EM2154-2	641	EM2154-2	708	New
Windshield Controller	90825-7	551	90825-7	358	Repaired
Airshow 4000 DMS	925000-100	D01002550	925000-100	D01002550	Repaired

LIFE LIMITED PARTS  
REPLACEMENT METHOD

# BOMBARDIER

Aircraft Registration N4801S	SN 45-2097	Model Lear 40	Date July 25, 2012	Page 2 of 2
Total Time 1,746.4	Landings 1,414		A/C Hobbs 13.0	

The Following Non-Serialized Parts Were Replaced:

Part Name	P/N Off	Part Name	P/N On	Status
#1 Seat Cable	MC09780-00	#1 Seat Cable	MC09780-00	New

Complied With The Following Maintenance Items:

- Adjusted cabin seat levers per B/E Aerospace CMM 25-22-07
- Complied with requested aircraft maintenance checks per Pre Owned Aircraft Sales as requested for the month of June 2012
- Complied with requested aircraft maintenance checks per Pre Owned Aircraft Sales as requested for the month of July 2012

The above described maintenance is certified airworthy and a detailed record is on file under work order: 159291.

WO#: 159291

Acft time: 1,746.4

Print Name & Signature	Karl J. Tuxhorn	Date:	Jul 25, 2012	FAA CRS KW3R646L
LEARJET INC. TUCCSON SERVICE CENTER, 1275 E ALERO PARK BLVD. TUCCSON AZ 85756 FAA CRS KW3R646L				

DATE

# BOMBARDIER

ActR Registration N480E-S	SN: 45-2097	Model Lear 40	Page 1 of 3
Total Time 1746.4	Landings: 1414	Date: 08/31/2012	A/C Hobbs 151

Complied With The Following Airworthiness Directives:

AD #:	Amend	Description (Next due /Terminating action):
2012-08-08	39-17025	Revise maintenance program by incorporation applicable IRN's

Complied With The Following Manufacturers TLMC Chapter 5 Tasks:

Code:	Description:
IRN # 1222004	Complied with Phase A(1-6) 300 hour Airframe inspection
IRN # 1221064	Comply with Lead-Acid Battery capacity check (both) 38 Amp/Hour Next Due Aug/2013
IRN # 2431062	3 Month application of corrosion preventive compound (CPC) to Flap Actuator Joints (P/N 145673-1)
IRN # 2561001	12 Month/1000 hour Emergency Battery Capacity Check P/N RG-443
IRN # 2750056	12 Month inspection of the Emergency Locator Transmitter (ELT) Batteries
IRN # 2561002	12 Month detailed visual inspection of Flap Actuator Joints (P/N 145673-1) and apply (CPC) to joints
	5 Year inspection of Life Vest

Complied With The Following MedAire Task:

Code:	Description (with P/N & S/N if required):
	Visual Inspection of First Aid Kit

Complied With The Following Manufacturers Chapter 5 Replacement Items:

Code:	Description:
IRN # 3121000	12 Month replacement of the Clock Batteries (Davtron) (both)

# BOMBARDIER

Elliott Aviation of Minneapolis, Inc

Elliott Aviation of Minneapolis, Inc

Aircraft Registration N480ES	SN: 45-2097	Model: Lear 40	Page 2 of 3
Total Time 17464	Landings: 1414	Date: 08/31/2012	A/C Hobbs 151

Complied with the following SRPSA / RED / RFE:

Document #: 452097TUS0388  
Description: Corrosion/pitting on upper surfaces of LH and RH inboard and center flap tracks

The Following Serialized Parts Were Replaced:

Part Name	P/N Off	S/N Off	P/N On	S/N On	Status
#1 Main Battery	RG-380E/40L	40391759	RG-380E/40L	40438014	New
#2 Main Battery	RG-380E/40L	40388768	RG-380E/40L	40471092	New
Emer Battery	RG443	40396608	RG443	40509366	New
#2 UNS-1E	2017-41-201	1504	2017-41-201	1247	Inspected
NCDU					
Emer/Parking Brake Valve	8196-5	0399	8196-5	0473	Overhauled
First Aid Kit	AFAK	112907013	AFAK	112907013	Repaired

The Following Non-Serialized Parts Were Replaced:

Part Name	P/N Off	Part Name	P/N On	Status
Cylinder, Gas (2EA)	192864	Cylinder, Gas (2EA)	192864	New
Fire Switch Assy	17079-003	Fire Switch Assy	17079-003	New

The Following "LIFE LIMITED" Serialized Parts were Replaced:

Part Name	P/N Off	S/N Off	P/N On	S/N On	TSN/CSN/DON
Life Vest	P0723E10SP	147620	P0723E10SP	12060200002	New, Jun/2012
Life Vest	P0723E10SP	147622	P0723E10SP	12060200003	New, Jun/2012
Life Vest	P0723E10SP	147621	P0723E10SP	12060200004	New, Jun/2012

45-2097

LIFE LIMITED PARTS  
NAME RECORD



# BOMBARDIER

Acft Registration	SN:	Model:	Page 3 of 3
N480ES	45-2097	Lear 40	
Total Time	Landings:	Date:	A/C Hobbs
1746.4	1414	08/31/2012	15.1

Life Vest	P0723E105P	147616	P0723E105P	12060200008	New, Jun/2012
Life Vest	P0723E105P	147625	P0723E105P	12060200007	New, Jun/2012
Life Vest	P0723E105P	147623	P0723E105P	12060200009	New, Jun/2012
Life Vest	P0723E105P	147617	P0723E105P	12060200010	New, Jun/2012

**Complied With The Following Maintenance Items:**

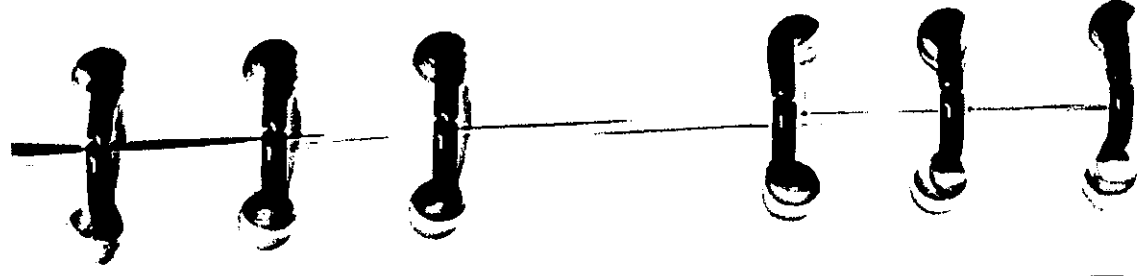
Complied with POAS requirement for the month of August per customer requirement  
 Removed light surface corrosion from upper surfaces of L/H and R/H inboard and center flap tracks and applied MIL-PRF-81322 grease per RED #452097TUS0388  
 Resealed L/H and R/H flap outboard lower access panel seals

The above described maintenance is certified airworthy and a detailed record is on file under work order: 160342  
 I certify that this Aircraft has been inspected in accordance with the instructions and procedures for an inspection program required by far 91.409 (f) (3), and is approved for return to service.

Print Name & Signature	Kevin P. Hutchison	Date:	08/31/2012	FAA CRS KW3R646L
LEARJET INC, TUCCSON SERVICE CENTER, 1255 E. AERO PARK BLVD. TUCCSON AZ 85756 FAA CRS KW3R646L				

TOTAL	
BROUGHT FORWARD	
GRAND TOTAL	

45-2097



D/



# BOMBARDIER

A/Ct Registration N4801S	SN: 45-2097	Model: Learjet 40	Date December 13, 2012	Page 1 of 6
Total Time 1,777.8	Landings: 1,439		A/C Hobbs 16.4	

DA

Complied With The Following Airworthiness Directives:	
AD #:	Amend
2010-06-13	39-16238
Description (Next due /Terminating action): Learjet Model 40/45 - Inspect Flap Actuator Ballscrew Assemblies for cracks/missing sleeves - No defects noted at this time	

The Following Airworthiness Directives are not Applicable:	
AD #:	Amend
2009-08-10	39-15874
Description (Next due /Terminating action): Honeywell NZ-2000 Nav Computers - Not Applicable, Equipment not installed.	

Complied With The Following Service Bulletins:		
SB #:	Rev	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
40-21-10	1	Modification of the ECS Plenum Assy
40-24-10	1	Replacement of the pitch trim actuator circuit breaker
40-25-19	3	Modification of the Toilet Shroud Forward Face
40-26-07	Basic	Fire Extinguisher Label installation
40-29-05	1	Replacement of the Hydraulic System Low Pressure Switch Assy
40-34-08	2	Installation of EGPWS Computer Software Upgrade (965-0976-040-218-218)
40-35-01	Basic	Remote Oxygen Switch Replacement
40-56-02	Basic	Modification of the GKN windshield terminal lug installation
40-57-04	1	Installation of MLG Aft Trunnion Fitting Upper Shear Pin Spacers

The Following Service Bulletins not Applicable:		
SB #:	Rev	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
40-25-28	2	Reposition Crew Seat Armrests Has Sogerma Seats Installed
40-27-33	Basic	Flap Power Unit Hydraulic Motor Torque Inspection Has P/N: C144483-3 and S/N:1003X

45-2097  
45-2097



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# BOMBARDIER

## FLIGHT TIME LOG

A/cft Registration	SN:	Model:	Page 2 of 6
N480ES	45-2097	Leavel 40	
Total Time	Landings	Date:	A/C Hobbs
1,777.8	1,439	December 13, 2012	16.4

SB #:	Rev	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
		installed

The Following Service Bulletins Previously Complied With:		
SB #:	Rev	Description (with P/N & S/N, verify W&B and if required Next due /Terminating action):
401-27-19	Rev 1	Replacement of the Horizontal Stabilizer Actuator - Horizontal Stabilizer P/N 662740100-009 (Mod J) previously installed.

Complied With The Following Manufacturers TLMC Chapter 5 Tasks:	
Code:	Description:
	Complied with Phase A (1-6) 300 hour Airframe Inspection
	Complied with Phase B (1-6) 600 hour Airframe Inspection
IRN # 1221064	3 Month application of Corrosion Preventive Compound to Flap Actuator Joints
IRN # 1222004	6 Month Cap check on Main Aircraft Batteries
IRN # 2750057	6 Month Fluorescent Penetrant Inspection of Flap Actuator Ballnut Sleeves
IRN # 2560000	24 Month cleaning of FDR Underwater Locator Beacon and FT of the Beacon Battery
	600 Landing visual inspection of MLG Trunnion Pins for migration

Complied with the following SRPSA / RED / RFE:	
Document #:	Description:
TUS1122383	Removal of German Placarding
GRAND TOTAL	

LIFE LIMITED PARTS

# BOMBARDIER

Act Registration N480ES	SN: 45-2097	Model: Learjet 40	Page 3 of 6
Total Time 1,777.8	Landings: 1,439	Date: December 13, 2012	A/C Hobbs 16.4

D7

Code: Description (with P/N & S/N if required):  
 Complied with FAR 91.171 Navigation Accuracy Inspection, no bearing error noted

Code: Description:  
 IRN # 2566001 Replace FDR Underwater Locator Beacon (ULB) Battery Expiration Date Jul/2018

The Following Serialized Parts Were Replaced:

Part Name	P/N Off	S/N Off	P/N On	S/N On	Status
MAVC relay in RH FWD PDP	440CC02	5443	440CC02	6397	New
EAVC relay in RH FWD PDP	440CC02	5442	440CC02	6393	New
MLG Tire	031-613-8	8079W00701	031-613-8	1297S00585	New
# 1 MLG Tire	226K08-4	92470700	226K08-4	22762522	New
# 2 MLG Tire	226K08-4	92420705	226K08-4	22782505	New
# 3 MLG Tire	226K08-4	00783008	226K08-4	22792515	New
# 4 MLG Tire	226K08-4	10592753	226K08-4	22822501	New
#1 Wheel Assy	3-1545-1	2791	3-1545-1	2791	Repaired
#2 Wheel Assy	3-1545-1	2344	3-1545-1	2344	Repaired
#3 Wheel Assy	3-1545-1	2650	3-1545-1	2650	Repaired
#4 Wheel Assy	3-1545-1	2643	3-1545-1	2643	Repaired
Crew Warning Panel	4531558001-005	352	4531558001-005	004	Repaired

# BOMBARDIER

Elliott Aviation of Cambridgeport, MA

Actl Registration N480ES	SN: 45-2097	Model: Learjet 40	Page 4 of 6
Total Time 1,777.8	Landings: 1,439	Date: December 13, 2012	A/C Hobbs 16.4

Acoustic Beacon	266-E0305-00	SC10557	266-E0305-00	SC10557	Repaired
Cabin pressure controller	6621300000-027	28-K0032	6621300000-027	28-K0035	Repaired
#1 UNS-1E NCDU	2017-41-201	1505	2017-41-201	1505	Modified

The Following Non-Serialized Parts Were Replaced:

Part Name	P/N Off	Part Name	P/N On	Status
Bearing, Aileron Yoke	DSC550-6	Bearing, Aileron Yoke	DSC550-6	New
Hinge, Aileron Trim Tab	4557600190-003	Hinge, Aileron Trim Tab	4557600190-003	New
Retainer Ring	RRN-81CD	Retainer Ring	RRN-81CD	New
Rupture sealing boot	4530702057-001	Sealing boot	4530702057-001	New
Placard, NLG Instr.	4511203100-082	Placard, NLG Instr.	4511203100-082	New
Lamp, Indicator	OL3071AS15	Lamp, Indicator	OL3071AS15	New
FDR Battery	810-2008/K	FDR Battery	810-2008/K	New
Rudder trim switch	54YY2288	Switch	54YY2288	New
Secondary stab trim switch	309-4332	Switch	309-4332	New
Seals 4 ea.	310-32	Seals 4 ea.	310-32	New
O2 Pressure switch	7401TCWZQH	O2 Pressure switch	7401TCWZQE	New
Remote O2 Switch	102T412887-3	Remote O2 Switch	102TL2887-3	New
C of A Len	missing	C of A Len	HL-0061-11	New

LIFE LIMITED PARTS  
PLACARD BEYOND

# BOMBARDIER

Acft Registration N480ES	SN: 45-2097	Model: Learjet 40	Page 5 of 6
Total Time 1,777.8	Landings: 1,439	Date: December 13, 2012	A/C Hobbs 16.4

## Complied With The Following Interior Repair Items:

- Adjusted R/H AC Outlet Cover for flush fit
- Adjusted #1 R/H Seat Cable Tension on Ring Brake
- Adjusted #2 L/H Seat Armrest Lock body
- Installed missing Hot Water Tank Knob
- Installed New L/H Headliner Nozzle Trim Closeout
- Polished the insides of both Windshields
- Repaired Trim Piece on Pilot side Gareshield

## Complied With The Following Maintenance Items:

- Adjusted CVR parking brake switch. Functional test good per L40 M/M Ch 23-70-00
- Adjusted MLG trunnion Shear Pins to achieve equal spacing
- Adjusted Cockpit Warning Audio levels
- Brake wear measurement #1: 0.51, #2: 0.50, #3: 0.51 and #4: 0.45 remaining wear Pin showing
- Calbrated Left & Right AOA indicators. Performed ground functional test of stall warning system per LESFT 1765 Z
- Installed Customers Custom Airshow 4000 software
- Removed old sealant and resealed exterior of LH #4 cabin window
- Replaced Aileron trim tab hinge half per L40SRM Ch 51-40-05
- Replaced rupture sealing boot on aft belly panel
- Replaced cockpit indicator bulbs as required
- Replaced NLG towing instructions placard per L40 M/M Ch 11-20-00
- Resealed connector P143 at squat switch relay box and nose wheel steering FT'D good
- Sanded, treated, and primed chaffed area on LH lower engine cowl latch channel

# BOMBARDIER

Aircraft Registration N480ES	SN: 45-2097	Model: Legend 40	Page 6 of 6
Total Time 1,777.8	Landings: 1,439	Date: December 13, 2012	A/C Hours 16.4

The above described maintenance is certified airworthy and a detailed record is on file under work order: 162316

I certify that this Aircraft has been inspected in accordance with the instructions and procedures for an inspection program required by FAR 91.409 (f) (3), and is approved for return to service.

WOM#: 162316 Acraft time: 1,777.8

Print name & Signature	Kevin P. Hutchinson	Date:	12/13/2012	FAA CRS KW3R646L
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LEARJET INC, TUCSON SERVICE CENTER, 1255 E. AERO PARK BLVD, TUCSON AZ 85756  
FAA CRS KW3R646L

WOM# 459542 Date: 1/4/2013  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 1788.0  
ATT: 1781.7



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

### Maintenance Action

\* Installed Garmin 796 Removeable Handheld GPS at RH Seat #2. Mounted XM and GPS Antennas on RH side of Glareshield  
Connected GPS Power to 115V AC Power Plug on RH Cabinet. Operational check satisfactory.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOM# 459542.

Signed *Darren Seehusen* for Elliott Aviation of Minneapolis, Inc. KX5R005N

GRAND TOTAL

LIFE LIMITED PARTS  
NUMBER BEYOND



# BOMBARDIER

Actl Registration N480ES	SN: 45-2097	Model Leaurcl	Page 1 of 1
Total Actl Time: 17792	Landings: 140	Date 12/27/2012	A/C Hobbs 17.2

**Complied With The Following Maintenance Items:**

- Serviced nose strut
- Downloaded L/H and R/H engine DEEC'S
- Bonded coplots inboard gasper backshell

The above described maintenance is certified airworthy and a detailed record is on file under work order: 162908

Print Name & Signature	Steven Sager	Date:	12/27/2012	FAA CRS KW3R646L
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LEARJET INC, TUCSON SERVICE CENTER, 1255 E. AERD PARK BLVD, TUCSON AZ 85756  
FAA CRS KW3R646L

TOTAL					
BROUGHT FORWARD					
GRAND TOTAL					



WO#  
Reg#  
Hobbs  
AT



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\* Comp  
Batter



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WORK RECORD

DATE

Elliott Aviation of Minneapolis, Inc.  
Elliott Aviation of Minneapolis, Inc.

WO# 459545 Date: 2/28/2013

Reg# N480ES Aircraft SN: 45-2097

Hobs: 18246 / 18/8

ATT: 18246 / 8/8 ATC: 1470



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2817

Inspection

- \* Complied with Camp Task 243043B - #1 Main Battery Capacity Check #1 Main Battery P/N RG-380E/40L, SN 40438014 passed Battery Capacity Check at 22.2 VDC in 55 Minutes.
- \* Complied with Camp Task 243044B - #2 Main Battery Capacity Check #2 Main Battery P/N RG-380E/40L, SN 40471092, passed Battery Capacity Check at 22.2 VDC in 55 minutes 95%
- \* Airworthiness Directive
- \* AD 2012-26-15, Effective Date 01/24/13 - N/A to this aircraft by SN of installed equipment.
- \* Modification & Refurbishment
- \* Installed provisions for Aircell ATG 5000 Inflight Internet System following Elliott Aviation drawings 530-3398-M0111-000, -001, -002, -003, 530-3398-M0788-000, and 530-3398-E0111-000. Installed Aircell Router p/n P12083, s/n 1208312510, and Configuration Module p/n P14126, s/n 1412612076 in forward cabinet at sta. 249. Installed Processor p/n P15864-001, s/n 1586412103 in aft fuselage at sta. 607. Installed forward antenna p/n P12949/C115500, s/n 410881 at sta. 526, and aft antenna p/n P12949/C115500, s/n 410882 at sta. 605. See form 337 dated 2-19-2013 for details of installation. Activated Inflight Internet System following 3S Certification STC ST01630W1. See form 337 dated 3-1-2013 for details. Amended weight and balance. Placed copies of weight and balance and FAA approved Flight Manual Supplements in the Aircraft Flight manual.
- \* Maintenance Action
- \* Replaced Lav Solenoid Valve P/N 9600-14 and Block Assembly P/N 9600-10. Operationally checked good in reference to Clean and Flush Leaflet 45 Series User's Guide and Parts List for 9600-1 Model Lav

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOV# 459545.

Signed

*David Nelson*

David Nelson

for Elliott Aviation of Minneapolis, Inc. KXSR005N

BROUGHT FORWARD	
GRAND TOTAL	

LEFT LIMITED PARTS  
PLACED HEREIN



W/CW 459670 Date: 5/9/2013

WO# 459670 Date: 5/9/2013  
Reg# N480ES Aircraft SN: 45-2097

ATT: 18459 ATC: 1486



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Elliott Aviation of Minneapolis, Inc

**Inspection**

- \* Complied with #1 and #2 Main Ship Battery Capacity Check Battery S/N 4046014 passed with 21.4 VDC at 60 minutes and Battery #2 S/N 40171092 passed at 21.4 VDC at 60 minutes.
- \* Complied with 12 Month Portable Fire Extinguisher Weight Checks. Cabin Bottle was 5 lbs and Cockpit was 2 lbs 7 oz.
- \* **Special Inspection**
- \* Complied with Special Inspection IRN1221064 - 3 Month Flap Actuator Joint Corrosion Prevention Lubrication, in accordance with Learjet 40 maintenance manual 12-21-03.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 459670.

Signed Chad Veith for Elliott Aviation of Minneapolis, Inc. KX5R005N

**BOMBARDIER** A/C: 45-2097 REG: N480ES LDG: 1491 TSN: 18482  
the evolution of mobility CRS# ICR981R WICHITA, KANSAS

Complied with Service Bulletin 40-27-31R1 "Flight Controls - Installation of Improved Flap Actuators".  
Replaced L/H inboard actuator p/n 6627503000-021 s/n 1940 with repaired actuator p/n 6627503000-031 s/n 1390. Replaced R/H inboard actuator p/n 6627503000-025 s/n 1057 with repaired actuator p/n 6627503000-031 s/n 1946. Replaced L/H outboard actuator p/n 6627503000-023 s/n 1942 with repaired actuator p/n 6627503000-033 s/n 1239. Replaced R/H outboard actuator p/n 6627503000-023 s/n 1939 with repaired p/n 6627503000-033 s/n 1981. This constitutes terminating action for AD 2010-06-13 LAW AMOC letter L115W-12-573 dated 11 June 2012.  
Complied with 12 Month/1000 Hour Emergency Battery (Concord P/N RG-443) Capacity Check on Unit s/n 40509366, as outlined in "Special Inspections" in chapter 5 of the maintenance manual.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER W/O NO: 165602.  
DATE: 6/12/2013 SIGNATURE Jeffrey A. McManes LEARJET INC. CRS# LF72P981R

LIFE LIMITED PARTS

WOC# 459745 Date: 7/10/2013  
 Reg# N480ES Aircraft SN: 45-2097  
 Hobbs: 1861.8  
 ATC: 1498

Airframe Log Entry



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Maintenance Action

\* Removed Throttle Quadrant Assembly P/N 69011-17, SN 574. Installed modified Throttle Quadrant Assembly P/N 69011-17, SN 440  
 See 8130-3, dated 05/29/13 from Adams Rite Aerospace, WOC# 5800313555 for modified details. Completed Thrust Lever Control  
 Module Functional checks. No discrepancies noted

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 459745.

Signed Chad Velta for Elliott Aviation of Minneapolis, Inc. KX5R005N

WOC# 459745 Date: 7/25/2013  
 Reg# N480ES Aircraft SN: 45-2097  
 Hobbs: 1863.4  
 ATC: 1863.4



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

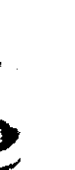
Airframe Log Entry

Airworthiness Directive  
 \* AD 2013-14-7, Effective Date 08/26/13 - Baggage Door Seal. Found to be in compliance by previous completion of Bombardier RSB 40-25-25 R2 on 11/22/11, 1730 ATT, Rev. 3 of SB requires no rework for aircraft that have complied with previous issues of the service bulletin as referenced in the revision transmittal sheet dated 02/08/12.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 459745.

Signed Jeff Solberg for Elliott Aviation of Minneapolis, Inc. KX5R005N

TOTAL	
BROUGHT FORWARD	
GRAND TOTAL	



Hobbs: 186  
 ATC: 186

Inspection

- \* Completed within minutes
- \* Installed new
- \* Replaced Pit
- \* Removed Ant 406 MHz freq Service Bull
- \* Completed with
- Maintenance Replaced Sk

I certify this maintenance  
 Signed \_\_\_\_\_

WOC# 459  
 Reg# N480ES  
 Hobbs: 1863.4  
 ATC: 1863.4

Maintenance  
 \* Remove check of 498000-C  
 8130-3

I certify maintenance  
 Signed \_\_\_\_\_

WOW# 459803 Date: 8/16/2013  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 1866.0 ATC: 1506  
ATT: 1866.0




Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- Inspection**
- \* Complied with #1 and #2 Main Battery Capacity Test S/N 40438014 passed at 20 vdc at 53 minutes, S/N 40471092 passed with 20.0 vdc at 54 minutes
  - \* Installed new First Aid Kit P/N SG-01-0005-306, mfg date 04/13
  - \* Replaced Pilot's and Copilot's Davtron Clock N Type Batteries.
  - \* Removed Artex C406-2 ELT P/N 453-5000 (366), S/N 170-14374 Battery due 08/2016 Found to be in compliance of FAR 91.207 (d) 121.5 MHz and 406 MHz frequency check good Power 6 watts 406 MHz 100 MW on 121.5 MHz. Reinstalled ELT. Service Bulletin
  - \* Complied with Keith Products SL 229, 45-1756. Retorqued Relay Hardware per Step 2 and marked with torque stripe. Reinstalled cover as required
- Maintenance Action**
- \* Replaced Sleeve and Angle Boot on HF Longwire Antenna P/N 14403. Functional check satisfactory

*I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOW# 459803.*

Signed 

for Elliott Aviation of Minneapolis, Inc. KX5R005N

WOW# 459803 Date: 8/29/2013  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 1867.3 ATC: 1508  
ATT: 1867.3



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- Maintenance Action**
- \* Removed Electronic Control Unit Nose Wheel Steering Computer P/N 498000-03-02, S/N 00644 Installed a tested Nose Wheel Steering Computer P/N 498000-03-02, S/N 00612. Completed all Nose Wheel Steering Rigging per Learjet 40 maintenance manual, Chapter 35-5-00-201 Completed operational check of the Nose Wheel Steering Computer per Learjet 40 maintenance manual, Chapter 32-50-01 All operational checks were satisfactory. See 8130-3, dated 04/27/12 from BAE Systems, WOW# 515392-1 for tested component status

*I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOW# 459803*

Signed 

for Elliott Aviation of Minneapolis, Inc. KX5R005N

Chad Vella

WOW 459827  
 Reg# N480ES  
 Hobbis: 1867.4  
 AT#: 1867.4

Date: 9/4/2013  
 Aircraft SN: 45-2097

ATC: 1509



Airframe Log Entry

Elliott Aviation

Flying Cloud Airport  
 13801 Pioneer Trail

Eden Prairie, MN 55347-2617

**Maintenance Action**

\* Removed NWS Computer P/N 49800-03-02, S/N 00612. Installed repaired NWS Computer P/N 49800-03-02, S/N 00517. Rigged NWS System in accordance with Learjet 40 maintenance manual, 32-50-00-201. Completed NWS System operational checks in accordance with 32-50-01 No discrepancies noted. See 8130-3, dated 05/21/12 from BAE Systems, WOW 520456-1 for repair details.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOW# 459827.

Signed

*Chad Velta*  
 Chad Velta

for Elliott Aviation of Minneapolis, Inc. KXSR005N

Elliott Aviation of Minneapolis, Inc.

WOW 459827 Date: 10/4/2013  
 Reg# N480ES Aircraft SN: 45-2097  
 Hobbis: 1879.3  
 AT#: 1879.3



Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Airframe Log Entry

**Inspection**

- \* Complied with Special Inspection IRN 1221064 - 3 Month Flap Actuator Joint Corrosion Prevention Lubrication.
- \* Complied with #1 and #2 Main Battery Capacity Test. SN 40438014 passed at 20.0 vdc at 56 minutes. SN 40471092 passed at 20.8 vdc at 56 minutes.
- \* AV25-026 Learjet 40/45 Cabin Wire Chafing. Found this Bombardier Advisory Wire bulletin to be not applicable due to this style of cupholder is not installed in aircraft.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOW# 459827.

Signed *Chad Velta*  
 Chad Velta

for Elliott Aviation of Minneapolis, Inc. KXSR005N

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WOW 459932  
 Reg# N480ES  
 Hobb: 1892.3  
 ATC: 1892.3

Date: 12/23/2013  
 Aircraft SN: 45-2097



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

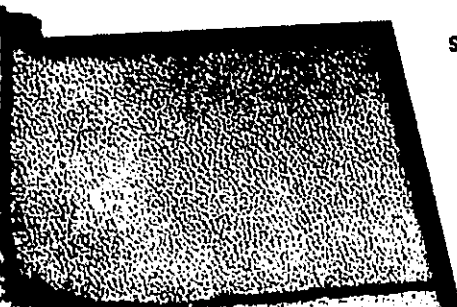
Airframe Log Entry

- \* Inspection
- \* Completed with 300 Hour/12 Month Phase A1, A2, A3, A4, A5 and A6 inspections in accordance with Lear Jet 40 maintenance manual, Chapter 05-1-01 thru 05-1-06. No discrepancies noted
- \* Complied with #1 and #2 Main Ship Battery Capacity Checks. No discrepancies noted. Battery #1 P/N RG-380E40L, S/N 40A38014 passed capacity check with 21.1 VDC at 54 minutes. Battery #2 P/N RG-380E40L, S/N 40A710W2 passed capacity check with 21.0 VDC at 54 minutes.
- \* Service Bulletin
- \* Bombardier SB 40-21-11 - A/C Power Distribution Panel. Previously complied with by compliance of AW 25-026 on 10/04/13. 1879.3 ATT
- \* Bombardier SB 40-24-16 - OAD Mounting Adapter Seal. N/A by aircraft S/N
- \* Bombardier SB 40-25-14 - Cabin Power Inverter Cover. Previously complied with 03/20/09. 561.57 ATT
- \* Maintenance Action
- \* Replaced LH flap V/B track roller with new P/N KPR17040SVT.

I certify this Aircraft has been inspected in accordance with a Phase A1, A2, A3, A4, A5, and A6 inspection per 14 CFR 91.409 (f)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Permanent details are on file under the referenced work order 3059922.  
 Signed Jeff Solberg for Elliott Aviation of Minneapolis, Inc. KXSR005N

												TOTAL	
												BROUGHT FORWARD	
												GRAND TOTAL	

LIFE LIMITED PARTS CHANGE RECORD





WOW# 460014 Date: 3/7/2014  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 1914.6  
ATT: 1914.6 ATC: 1543



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- Inspection**
- \* Completed with Capacity Check of #1 and #2 RG-380E/40L Ship Batteries. #1 Battery S/N 40438014, passed at 20.7 VDC in 55 minutes. #2 Battery S/N 4041092 passed at 21.1 VDC in 55 minutes. Both Batteries are greater than 90% capacity.
  - \* Performed Special Inspection U2431005 - 300 Hour Battery Connector Tolerance Check. No defects noted. L145 maintenance manual, 24-31-00.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. *Redlined details are on file at this agency under WOW# 460014.*

Signed  for Elliott Aviation of Minneapolis, Inc. KX5R005N  
Jeff Soderberg



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WOC# 460046

Date: 4/29/2014

Reg# N480ES

Aircraft SN: 45-2097

Hobbs:

ATT: 1915.4

ATC: 1545



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Inspection**

- \* Installed original oxygen bottle P/N 898-KTOCC22 SN AL7280-2336/2109 after hydrostatic testing. See 8130-3 dated 04/24/2014 from Aerospace Turbine Rotables, Inc WO 53351 for inspection details Bottle manufacture date is 08/2003 with an expiration date of 8/2018 Next hydro due is NA due to bottle expiration.
- Installed original oxygen regulator valve PN 803946-07 SN 2109 after overhaul See 8130-3 dated 04/24/2014 from Aerospace Turbine Rotables, Inc WO 53352 for overhaul details.
- \* Complied with all three 12 month portable fire extinguisher weight checks No discrepancies noted
- \* Complied with (FRN N2720030) 6 year Rudder Torque Tube and Spindle inspection No discrepancies noted
- \* Complied with 24 month CVR functional tests No discrepancies noted
- \* Complied with (FRN H5323032) Extensor Cabin Window Coatings (Unpainted) Eddy Current Inspection. No discrepancies noted NDT completed by Signature Technical, WOC# STP-14-023440 on 04/23/14
- Airworthiness Directive**
- \* AD 2012-02-08, effective date 3/13/2012, ACCS TCAS 2000 is NA due to unit P/N 7517900-55012 S/N 20008599 being installed. No further action taken.
- Bombardier Learjet 40 SB 40-34-19 is NA due to ACCS TCAS 2000 unit P/N 7517900-55012 S/N 20008599 being installed. No further action taken.

*I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 460046.*

Signed  Chad Velta

for Elliott Aviation of Minneapolis, Inc. KX6R005N

								TOTAL	
								BROUGHT FORWARD	
								GRAND TOTAL	



\*  
\*

ALTIMETER SCALE CORRECTION CARD

Altitude	Altitude	Altitude	Altitude
Altitude	Reads	Altitude	Reads
-1,000	± 0	14,000	-8
0	+ 0	16,000	-10
500	-6	18,000	-10
1,000	-6	20,000	-10
1,500	-8	22,000	-10
2,000	-6	25,000	-12
3,000	-8	30,000	-12
4,000	-8	35,000	-12
6,000	-8	40,000	-12
8,000	-8	45,000	-16
10,000	-8	50,000	-18
12,000	-8	51,000	-20

Date 5-30-14 Alt. S/N 07101667

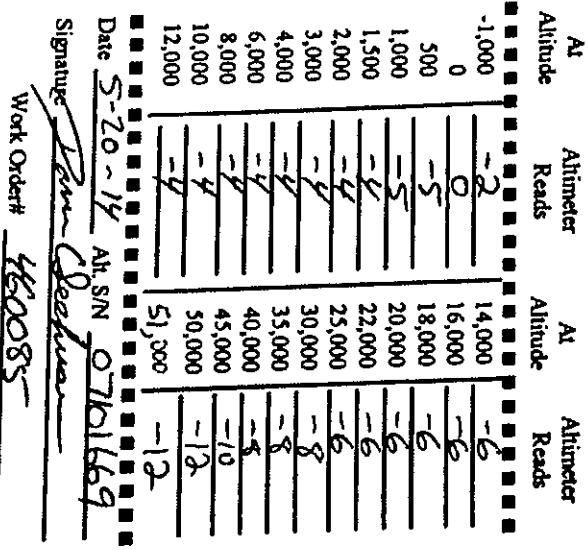
Signature Tavis Seckman

Work Order# 460085

Elliott Aviation of Eden Prairie  
 Flying Cloud Field, Eden Prairie, MN  
 FAA Approved Repair St# KX5R005N

# ELLIOTT AVIATION

## ALTIMETER SCALE CORRECTION CARD



Elliott Aviation of Eden Prairie  
 Flying Cloud Field, Eden Prairie, MN  
 FAA Approved Repair S# KX5R005N

## FLIGHT TIME LOG

Elliott Aviation of Minneapolis, Inc  
 13801 Pioneer Tra  
 Eden Prairie, MN 5534

S/N	TACH	CYCLES	HOUR
10	45-2097	N/A	1549
			1924.4

Following Chapter 5 RVSM Inspection Items:  
 a been performed.

- ith Detailed Visual Inspection of Pilot-Static Probes
- ion of Primary Pilot-Static Probes Pitch, Roll, & Yaw Align
- on Inspection of the Avionics Door Gap and Mismatch
- onth Pilot-Static Probe Zone Skin Contour Check
- Month Functional Test Of the Air Data System

AZ-950	S/N: 7101667	Tested To
AZ-950	S/N: 0708B631	Tested To
334208001-003	S/N: 172243B	Tested To
AZ-950	S/N: 7101667	Tested To
AZ-950	S/N: 7101669	Tested To
334208001-003	S/N: 172243B	Tested To
neywell	Model: RCZ-833K	S/N: 070
neywell	Model: RCZ-833K	S/N: 070

ANCE identified above was repaired and inspected in accordance with and is approved for return to service. Pertinent details of work order 460085 Date: 5/21/2014  
 For: CR5KX5R005N

# ELLIOTT AVIATION

## ALTIMETER SCALE CORRECTION CARD

Altitude	Altimeter Reads	Altitude	Altimeter Reads
-1,000	± 0	14,000	± 0
0	+15	16,000	-20
500	± 0	18,000	-40
1,000	± 0	20,000	-40
1,500	+10	22,000	-60
2,000	+15	25,000	-70
3,000	+15	30,000	-60
4,000	+15	35,000	-20
6,000	+15	40,000	+20
8,000	+20	45,000	-50
10,000	± 0	50,000	-40
12,000	± 0	51,000	± 0

Date 5/20/14 Alt. SN 1732438

Signature [Handwritten Signature]

Work Order# 460085

Elliott Aviation of Eden Prairie  
 Flying Cloud Field, Eden Prairie, MN  
 FAA Approved Repair S# KX5R005N

ELLIOTT AVIATION, INC. 30007

# FLIGHT TIME LOG



Elliott Aviation of Minneapolis, Inc.  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347

Certificate No. KX5R005N

MODEL	S/N	TACH	CYCLES	HOUR	TOTAL TIME
Lear Jet 40	45-2097	N/A	1549	1924.4	1924.4

I carry that the Airmeter, Static System, Transponder, and Altitude Report Test required by FAR 91.411, 91.413, 91.217, and Appendix E and F of Part 43 have been performed.

Complied With The Following Chapter 5 RVSM Inspection Items:

Code:

Description:

- IRN # 3411062      24 Month Detailed Visual Inspection of Pitot-Static Probes
- IRN # 3411052      24 Month Verification of Primary Pitot-Static Probes Pitch, Roll, & Yaw Alignment
- IRN# 5240004      24 Month Inspection of the Avionics Door Gap and Mismatch
- IRN# 5313001      24 Month Pitot-Static Probe Zone Skin Contour Check
- IRN# 3411060      24 Month Functional Test Of the Air Data System

Static System test date: 5/21/2014

Airmeter	L/H Make:	Model:	S/N:	Tested To:	51KFT
	Honeywell	AZ-950	7101667	Tested To:	51KFT
	Honeywell	AZ-950	0708B631	Tested To:	51KFT
	Aerosonic	Model: 7634208001-003	S/N: 172243B	Tested To:	51KFT
<b>Air Data Computer/Encoder</b>					
	#1 Make: Honeywell	Model: AZ-950	S/N: 7101667	Tested To:	51KFT
	#2 Make: Honeywell	Model: AZ-950	S/N: 7101669	Tested To:	51KFT
	Standby: Aerosonic	Model: 7634208001-003	S/N: 172243B	Tested To:	51KFT
	Transponder No. 1	Make: Honeywell	Model: RCZ-833K	S/N: 0704B374	
	Transponder No. 2	Make: Honeywell	Model: RCZ-833K	S/N: 0708B631	

\*\*\*\*\*END\*\*\*\*\*

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at Elliott Aviation of Minneapolis, Inc. under work order 460085 Date: 5/21/2014

Signed

*Dawn Schuman*

For: CRSKX5R005N

(Authorized Representative)  
 Elliott Aviation of Minneapolis, Inc.  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347

EMARKS

# BOMBARDIER

D Aircraft Registration

N480ES

Aircraft Model & Serial Number

Leajet 45-2097

Aircraft Total Time

1930.8

Aircraft Landings

1555

The Following Maintenance Was Completed With:

Replaced L/H O/B Brake Pressure Transducer Connector LAW LJ40 Wiring SPM Ch.20-30-25 And Performed Satisfactory Functional Test Of The Brake Pressure Transducer LAW LJ 40 AMM Ch.32-41-08

SVO

0004

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER WORK ORDER: 171993

Signature :



Date :

25 May 14

Certificate Number:

FAA CRS SHSR197N

Bombardier Approved, Learjet Inc, Hartford Service Center, Bradley International Airport, Windsor Locks, CT, 06096-1086

Elliott Aviation of Minneapolis, Inc.

Flying Cloud Airport

13801 Pioneer Trail

Eden Prairie, MN 55347-2617

WOC# 460116 Date: 6/23/2014

Reg# N480ES Aircraft SN: 45-2097

Hobbe: 1938.1

ATT: 1938.1 ATC: 1559



Airframe Log Entry

Inspection

- \* Complied with 12 Month Emergency Battery Capacity Test on Battery P/N RG-443, S/N 40509366. Battery passed with 20.5 VDC at 85% (51 Min.).
- \* Complied with #1 Main Ship Battery Capacity Test on P/N RG-380E/40L, S/N 40438014. Battery passed with 21.1 vdc at 90% (55 Min.). Complied with #2 Main Ship Battery Capacity Test on P/N RG-380E/40L, S/N 40471082. Battery passed with 21.0 vdc at 80% (55 Min.).
- \* Overhaul/Replacement
- \* Installed originally removed Pilot's Oxygen Mask P/N MC10-15-166, S/N SE13905 after overhaul. See 8130-3, dated 06/18/14 from HRD Aero Systems, WOC# X136223 for overhaul details.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 460116.

Signed



Chad Velta

for Elliott Aviation of Minneapolis, Inc. KX5R005N

WOC# 460194 Date: 8/8/2014

Reg# N480ES Aircraft SN: 45-2097

Hobbs:

ATT: 1944.4

ATC: 1565



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc

Flying Cloud Airport

13801 Pioneer Trail

Eden Prairie, MN 55347-2617

Inspection

- \* Complied with 12 Month Replacement of Pilot and Copilot's Clock Batteries
- \* Complied with FAR 91 207(d) - 12 Month ELT Inspection No defects noted Battery due September 2015
- \* Complied with 12 Month Inspection of First Aid Kit No defects noted

I certify this Aircraft is in airworthy condition with respect to the maintenance performed All maintenance performed referencing the applicable manufacturer's maintenance manuals Pertinent details are on file at this agency under WOC# 460194

Signed

Tom Kortisses

for Elliott Aviation of Minneapolis, Inc. KX5R005N

WOC# 460243

Date: 10/1/14

Reg# N480ES

Aircraft SN 45-2097

Hobbs:

ATT: 1959.1

ATC: 1575



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.

Flying Cloud Airport

13801 Pioneer Trail

Eden Prairie, MN 55347-2617

FAA CRS# KX5R005N

Complied with Capacity Check of #1 Ship Battery P/N RG380E/40L, S/N 40438014 and #2 Ship Battery P/N RG380E/40L, S/N 40471092. Batteries passed with 20 vdc in 51 minutes. Capacity is 85%.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 460243

Signed

Travis J Adams

for Elliott Aviation of Minneapolis, Inc. KX5R005N.

DATE



**BOMBARDIER**  
The evolution of mobility

Aerospace  
Learjet Inc.  
P.O. Box 7707  
Wichita, KS 67277-7707  
United States  
Tel: 316.946.2000  
Fax: 316.946.2220  
[www.bombardier.com](http://www.bombardier.com)

Wichita, December 23, 2014

Darren Seehusen  
Elliott Aviation  
13801 Pioneer Trail  
Eden Prairie MN, 55347

Mr. Seehusen

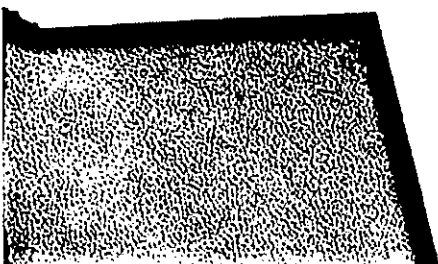
Learjet Engineering has no technical objection in omitting steps 19 through 22 of the Functional Test of the Auxiliary Heat System in the Learjet 40 AMM Chapter 21-51-00 page 205 on aircraft 45-2097. Omitting these steps will not adversely affect the testing of this system. Learjet Engineering is working diligently on correcting this Functional Test.

If you have any questions, please contact me.

*CJS*  
Christopher J Stearns  
Technical Specialist  
(316) 946-1419  
[Chris.stearns@aero.bombardier.com](mailto:Chris.stearns@aero.bombardier.com)  
SRPSA - TSG4449

DATE


LIFE LIMITED PARTS  
CHANGE RECORD





**FLIGHT TIME LOG**

DATE	FROM	TO	FLIGHT TIME		TOTAL TIME	LNS	PILOTS	REMARKS
			HRS	MIN				
			TOTAL					
			BROUGHT FORWARD					
			GRAND TOTAL					

WOC# 460336      Date: 1/7/2015      Elliott Aviation of Minneapolis, Inc  
 Reg# N480ES      Aircraft SN: 45-2097      Flying Cloud Airport  
 Hobbs: 1976.7      ATT: 1580      13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617



Airframe Log Entry

- \* Maintenance Action
- \* Removed nose gear actuator pin 30460-7, sn EFS685 installed Loaner Repaired Actuator pin 30460-7, sn TASV622. See 8130-3 dated 7-2-2014 from Triumph Actuation Systems-Valencia inc. WO 5800362834 Cycled gear and checked freefall Operational check satisfactory referencing Learjet 40 m/m 32-32-01 Removed actuator TT 1976.7, Cycles 1580 Loaner actuator TT 703 0, Cycles 821
- \* Installed repaired oxygen bottle/regulator assembly P/N 898-KTC022603946-07 S/N ALT260-23362108 See 8130-3 dated 12/29/14 from Aerospace Turbine Rotables inc, W/O # WOC64500 for repair details
- \* Installed four new Cabin Oxygen Masks P/N 289-601-228 with a manufacture date of 05/01/14 Mask replacement due 05/01/20

I certify this Aircraft has been inspected in accordance with a Phase A 1-6, and B 1-6 checks per 14 CFR 91 409 (e)(1)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 460336

Signed Chad Velta      for Elliott Aviation of Minneapolis, Inc. KX5R005N

			TOTAL				
			BROUGHT FORWARD				
			GRAND TOTAL				

# FLIGHT TIME LOG

DATE	FROM	TO	FLIGHT TIME		TOTAL TIME	LNDS	PILOTS	REMARKS
			HRS	MIN				
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><b>Inspection/Maintenance Record</b></p> <p>3700 East 70th Street - Minneapolis, MN 55450 FAA CRS No. 5MAR5028</p> <p>WORK ORDER NO: MSP-140531</p> </div> </div>								
			REGISTRATION: N480ES	SERIAL NUMBER: 2097			ACTT: 1976.7	
			MODEL: 45	PERFORMED THE FOLLOWING MAINTENANCE				
<p>Polished inside of pilot and copilot windshield to remove scratches IAW Learjet 40 MM chapter 56-10-01 Pages 245-251.</p> <p>Test Equipment Used:</p> <p>0-4 Inch Dial Caliper S/N: 7645, Calibration Due: 9/30/2015</p> <p>Ultrasonic Transducer P/N: MX-5 S/N: 55719, Calibration Due: 9/30/2015.</p>								
<p>The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the Maintenance and/or Inspection are on file at MSP Aero, Minneapolis, MN FAA Certified Repair Station No. 5MAR5028</p>								
Signed Scott Zane					Date	12-30-2014	MSP-010	
BROUGHT FORWARD								
GRAND TOTAL								



# FLIGHT TIME LOG



Airframe Log Entry

WOC# 460396 Date: 3/19/2015  
 Reg# N480ES Aircraft SN: 45-2097  
 Hobbs: 1996.4  
 ATC: 1996.4 ATC: 1603

Elliott Aviation of Minneapolis, Inc  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

- Service Bulletin**
- \* Complied with SB 40-53-06, dated 04/26/10 by the replacement of two lower fuel door packers P/N 4553004004V7002-001 and the removal of sealant from the upper latch assembly
  - Maintenance Action**
  - \* Complied with #1 Battery S/N 40438014 Capacity Check. Battery passed with 20.0 vdc at 51 minutes. Complied with #2 Battery S/N 40471092 Capacity Check. Battery passed with 21.5 vdc at 60 minutes after a Conditioning Charge. Complied with 300 Hour #1 and #2 Battery Connector Tolerance Checks. No discrepancies found.
  - \* Removed loaner Nose Gear Actuator P/N 6632201000-005. S/N TASV822. Installed original customer repaired Actuator. 1590 Cycle since new P/N 6632201000-005. S/N EFS585. See FAA Form 8130-5, dated 01/29/15 from Bombardier Aerospace WOC# 20174440. Cycled Gear several times and performed functional test of the Emergency Gear Extension. Operational and leak check good. Serviced Hydraulic Reservoir, referencing Chapter 32-33-00 and 32-32-01 of Lear maintenance manual.
  - \* Removed damaged single point Fuel Door. Fit and installed new Fuel Door P/N 4553448001-801 with new Hinge P/N H6099A081A. Evaluated damage on Fuselage Skin, found to be within tolerance in reference to Bombardier/Learjet Field Support Engineering Letter dated 03/03/15. NDI performed by Signature TechniAr, under WOC# STP-15-024249. See NDI report dated 03/02/15. Repaired damage to RH Stub Fanning, using "Repair (Without core damage)" as referenced in Learjet Field Support Engineering Letter. Areas were reprotected and painted to match by Wipacue, Inc, under WOC# 75393.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Perdent's signature on file at this agency under WOC# 460396

Signed Jeff Sakberg for Elliott Aviation of Minneapolis, Inc. KXSR005N

TOTAL		
BROUGHT FORWARD		
GRAND TOTAL		

LIFE LIMITED PARTS  
 CHANGE PARTS

FLIGHT TIME LOG



WO# 460457 Date: 4/6/2015  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2009.5  
ATT: 2009.5

Airframe Log Entry

Elliott Aviation of Minneapolis Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Maintenance Action

\* Removed faulty RH TR isolation valve P/N 667830000-023 S/N 1032 installed overhauled isolation valve P/N LJ7835200-5 S/N 0875 Valve overhauled by Eaton Aerospace Sterer Engineering under W/O C190911 ref form 8130 dated 1/29/15 Work done in reference to Leaget 40/45 MM chapter 78-30-02, 78-30-00 Serviced hydraulics per 12-10-01 Operational check satisfactory

I certify this Aircraft is in airworthy condition with respect to the maintenance performed All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 460457.

Signed Darren Seehusen

for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 460543 Date: 6/22/2015  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2029.5  
ATT: 2029.5



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Inspection

\* Performed Main Battery Capacity Check in reference to Concorde CMM for RG Series Batteries, 24-30-71. Test and Fault Isolation Manual Paragraph 7 S/N 40438014 found to be at 95% capacity, S/N 40471092 found to be at 90% capacity. Functional test good after installation

Maintenance Action

- \* Removed Yaw Servo pin 7012919-904, s/n 0610H065, installed Repaired Servo pin 7012919-904, s/n 85050160 referencing Lear 40 Maintenance Manual 22-10-06 Operational check satisfactory. See 8130-3 dated 5-26-15 from Otto Avionics repair Center WO. 4206202330
- \* Performed 12 month capacity test of Emergency Power Supply Battery RG-443, s/n 40509386, battery passed with 90% capacity after conditioning charge. Recharged battery and reinstalled in aircraft.

I certify this Airframe is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 460543

Signed David Nelson

for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 2:  
Reg# h

ATT

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Sig

WO# 2516095  
Reg# N480ES

Date: 7/6/2015  
Aircraft SN: 45-2097

ATT: 2033.2  
ATC: 1627

Airframe Log Entry



Elliott Aviation of the Quad Cities, Inc  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100

**Modification & Refurbishment**  
\* Prepped and painted various touch-up/prepar areas in accordance with Elliott Aviation of the Quad Cities, Exterior Panel Refurbishment General Procedures Manual

*I certify this Airframe is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this Agency under WO# 2516095*

Signed David C. Jones for Elliott Aviation of the Quad Cities, Inc. CGHRS12C EASA 145.5666  
Page 1 of 1

WO# 460614  
Reg# N480ES  
Hobbs: 2053.7  
ATT: 2053.7

Date: 7/29/2015  
Aircraft SN: 45-2097  
ATC: 1642

Airframe Log Entry



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Maintenance Action**

- \* Removed and replaced current limiter p/n 100FU01-200 with new in LH aft power distribution panel. Removed nonessential connector p/n 430CC02, s/n 6732 and installed New connector p/n 430CC02, s/n 10324. Operational check of air conditioning system satisfactory referencing Learjet 45 maintenance manual 21-51-00, and 24-60-03
- \* Removed Cabin Pressurization Controller p/n 2119858, s/n 28-K0035. Installed Repaired Controller p/n 2119858, s/n 45-J0067 referencing Learjet 45 maintenance manual 21-30-03. See 8130-3 dated 7-18-2015 from Honeywell International W/O 5800405302. Performed operational check of cabin pressurization system referencing Learjet 45 maintenance manual 21-30-00. Ground check satisfactory.

*I certify this Airframe is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this Agency under WO# 460614*

Signed Darren Seehusen for Elliott Aviation of Minneapolis, Inc. KXSRR05N  
Page 1 of 1

UNLIMITED PARTS  
QUANTITIES



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

WO# 460634 Date: 7/31/2015  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2054 8  
ATT: 2054 8 ATC: 1643

Airframe Log Entry

- \* Maintenance Action
- \* Removed Cabin Pressurization Controller P/N 2119858-10, S/N 45-J0067 Installed tested Controller P/N 2119858-10, S/N 95-J0101, referencing Learjet 45 maintenance manual 21-30-03 See 8130-3, dated 05/07/15 from Honeywell International, WO# 5800402635 Performed ops check of Cabin Pressurization System, referencing Learjet 45 maintenance manual 21-30-00 Ground check satisfactory

I certify this Airframe is in airworthy condition with respect to the maintenance performed All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under: WO# 460634

Signed *Darren Seehusen*  
Darren Seehusen

for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 460634 Date: 8/19/2015  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2068.1  
ATT: 2068 1 ATC: 1650



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- \* Inspection
  - \* Installed new #1 Battery P/N RG380E/40L, S/N 40745696 Installed new #2 Battery P/N RG380E/40L, S/N 40745693
  - \* Complied with the 12 Month Inspection of the First Aid Kit
  - \* Complied with 12 month inspection and test of ELT pin 453-5000-366, s/n 170-14374 per FAR 91 207(d) Battery expiration date Aug/2016. Function test satisfactory See verification report dated 8-19-15 from ACR/ArTex
  - \* Complied with 12 Month Battery replacement in DAVTRON Clocks
- Maintenance Action**
- \* Performed Eddy Current Inspection of all 4 Main Wheels, referencing Goodrich CWML 32-45-23 See NDT Report, dated 08/17/15 Installed 4 new Main Tires P/N 226K08-4 and Reinstalled Wheels, referencing Learjet 40 maintenance manual 32-40-02 Installed Tire S/N 51382493 on #1 Wheel, S/N 2791, The S/N 51342526 on #2 Wheel, S/N 2344 with new Lock Ring P/N 245-261. Tire S/N 51392498 on #3 Wheel, S/N 2650 and Tire S/N 51323190 on #4 Wheel S/N 2643 with new Lock Ring P/N 245-261

I certify this Airframe is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under: WO# 460634

Signed *David Nelson*  
David Nelson

for Elliott Aviation of Minneapolis, Inc. KX5R005N



WO# 460747 Date: 10/2/2015  
Reg# N480ES Aircraft SN: 45-2097

ATT: 2076 8 ATC: 1654



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

\* Completed with Learjet 40 IRM W5510091 Horizontal Stabilizer Hinge Primary and Secondary Pivot Pin Installation and Attaching Hardware per Learjet 40 maintenance manual, 55-10-00 No defects noted at this time.

I certify this Airframe is in airworthy condition with respect to the maintenance performed All maintenance performed referencing the applicable manufacturer's maintenance manuals Pertinent details are on file at this agency under WO# 460747

Signed

Bob Kortum

for Elliott Aviation of Minneapolis, Inc. KX5R005N

Page 1 of 1

WO# 460853 Date: 11/17/2015  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs:  
ATT: 2109.6 ATC: 1674



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Maintenance Action**

- \* Removed high pressure RH switch P/N 6621000000-901, S/N 0207. Installed new high pressure switch P/N 6621000000-901, S/N 1215 with seal PIN 801A59-00JA-A maint done in reference to Learjet 40 maint. chapter 30-10-08, operational check good
- \* Swapped (C670) computers for troubleshooting, S/N 07118284 installed into #2 position, S/N 07108252 installed into #1 position. Operationally checked autopilot and yaw damper system with rudder boost engagement in reference to chapter 22-10 of Learjet 45 Maintenance manual

I certify this Airframe is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals Pertinent details are on file at this agency under WO# 460853

Signed

Darren Seehusen

for Elliott Aviation of Minneapolis, Inc. KX5R005N

Page 1 of 1

GRAND TOTAL

LIFE LIMITED PARTS  
CHANGE RECORD

WO# 460875 Date: 1/4/2016  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2124.3  
ATT: 2124.3 ATC: 1682



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Inspection

\* Completed phase A1-A6, phase C1-C6, and phase D1-D5 checks using checklists from Learjet 40 maintenance manual MM105 revision 33 dated 12/7/2015

Special Inspection

- \* Completed 48 month MLG special inspection IRN 3220135, 3220024, 3220007 IAW Learjet 40 MM
- \* Completed IRN H552032 24mo eddy current inspections around window coamings IAW Lear Jet 40 NDT manual part 6 56-20-01 No position indications noted at this date
- \* Airworthiness Directive
- \* AD 2011-01-09 effective date 2-9-2011, BE Aerospace PBE units, found to be not applicable by s/n of installed equipment

Maintenance Action

- \* Installed 3 new static wicks on L/H wing p/n DG740019
- \* Installed new bonding strap p/n MS25083-5BB5 at middle position on rudder.
- \* Installed new bonding strap p/n MS25083-2BB4 on R/H aileron middle hinge.
- \* Removed minor corrosion on R/H inboard and center flap tracks referencing Learjet Engineering letter 3452087-28275.
- \* Adjusted R/H wing aileron tension to 86lbs. referencing Learjet 40 maintenance manual 27-10-05.
- \* Installed New nose wheel bearings p/n 13685, and races p/n 13621A referencing Learjet 40 maintenance manual 32-40-01.
- \* Removed and replaced upper and lower cabin door foam seals p/n 4552140007-815 referencing Learjet 40 maintenance manual 52-11-01.
- \* Replaced chafe strips on multiple L/H and R/H wing fuel panels with new p/n 4557200050-003 and 4557200050-004
- \* Installed new gasket p/n 6050001-004 under hydraulic pump on R/H engine
- \* Replaced adel clamp bracket with a new bracket p/n LJ78350003-5 on L/H thrust reverse

I certify this Airframe has been inspected in accordance with Phase A1-A6, Phase C1-C6, and Phase D1-D5 inspections per 14 CFR 91.409 (e)(1)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed

Nathan Ballard

for Elliott Aviation of Minneapolis, Inc. KXSR005N

Page 1 of 1

WO# 4609:  
Reg# N48C  
Hobbs: 2  
ATT: 21

Maintenance

- \* Completed w
- \* Completed w
- Operational
- Completed x

I certify this maintenance agency un

Signed

WO# 4  
Reg#  
Hobb  
AT

Inspe

- \* Comp
- MM C

I cert  
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WO# 460934 Date: 2/26/2016  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 21473 ATC: 1693  
ATT: 21473



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

Maintenance Action

- \* Complied with 12 month windshield coating check in reference to Learjet 40MM 56-10-01, paragraph E
- \* Complied with battery replacement on Flight Data Recorder ULB installed New battery p/n DK120, s/n SD4Y750 Replacement date SEP 2020

Operational check satisfactory  
Complied with operational check of CVR ULB Operational check satisfactory Battery replacement date Jul 2018  
I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 460934

Signed Darren Seehusen

for Elliott Aviation of Minneapolis, Inc.  
CRS# KX5R005N

WO# 461029 Date: 4/12/2016  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: ATC: 1698  
ATT: 2159.2  
Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617



Airframe Log Entry

Inspection

- \* Complied with 96 month fire extinguisher two way check valve assy insp. IRNW2620004 no discrepancies found at this time in reference to Learjet 40 MM chapter 26-21-00

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 461029

Signed Darren Seehusen

for Elliott Aviation of Minneapolis, Inc.  
CRS# KX5R005N

LIFE LIMITED PARTS  
CHANGE RECORD

FLIGHT TIME LOG

**BOMBARDIER**

the evolution of mobility

A/C: 45-2097 REG: N480ES LDG: 1682 TSN: 2149.5  
CRS# LK2R981K WICHITA, KANSAS

Complied with Service Bulletin A40-30-07 "Nacelle Anti-Ice Tube Inspection", no defects noted.

IRN 3411060 Complied with 24-Month Functional Check of Air Data System, as outlined in "RVSM Inspections" chapter 5 of the maintenance manual.

IRN 3411062 Complied with 24-Month Detailed Visual Inspection of Pitot Static Probes, as outlined in "RVSM Inspections" chapter 5 of the maintenance manual.

IRN 3411052 Complied with 24-Month Inspection "Pilot Static Probes in Pitch, Roll, and Yaw Alignment", as outlined in "RVSM Inspections" Chapter 5 of the maintenance manual.

IRN 5240004 Complied with 24-Month Inspection "Avionics Door Gap and Mismatch Inspection", as outlined in "RVSM Inspections" Chapter 5 of the maintenance manual.

IRN 5313001 Complied with 24-Month Inspection "Pilot-Static Probe Zone Skin Contour Check", as outlined in "RVSM Inspections" Chapter 5 of the maintenance manual.

IRN 3220014 Complied with 96 Month Replacement of the L/H and R/H Main Landing Gear Actuator Upper Pins, as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Replaced L/H and R/H MLG actuator upper pin P/N 200-0325-101 L/H S/N H2095, R/H S/N H2107 with new P/N 200-

0325-101 L/H S/N H2658, R/H S/N H2667.

IRN 3220038 Complied with 96 Month Replacement of the L/H and R/H Main Landing Gear Actuator Lower Pins, as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Replaced L/H and R/H MLG actuator lower pin P/N 200-0217-101 L/H S/N H2368, R/H S/N H2379 with new P/N 200-

0217-101 L/H S/N H2784, R/H S/N H2886.

IRN 3220022 Complied with 8 Year Magnetic Particle Inspection of Main Landing Gear (L/H & R/H) Forward Trunnion Pins, as outlined in "Special Inspections" in chapter 5 of the maintenance manual, on P/N 200-0212-103 L/H S/N H1157 and R/H S/N H1201.

IRN 3220022 Complied with 8 Year Magnetic Particle Inspection of Main Landing Gear (L/H & R/H) Aft Trunnion Pins, as outlined in "Special Inspections" in chapter 5 of the maintenance manual, on P/N 200-

0213-103 L/H S/N H0991 and R/H S/N H0959.

# FLIGHT TIME LOG

45-2097 Page 2

**IRN 3220018** Complied with 8 Year/6600 Landing Special Detailed Inspection of (L/H & R/H) Main Landing Gear Shock Struts, as outlined in "Special Inspections" in Chapter 5 of the maintenance manual, on L/H strut P/N 200-0200-013 S/N H0475 and R/H strut P/N 200-0200-014 S/N H1485. Both CSN: 1682.  
**IRN 322011** Complied with 8 Year/10,000 Landing Detailed Visual Inspection of Main Landing Gear Side-Slay Actuator as outlined in "Special Inspections" in chapter 5 of the maintenance manual, on L/H P/N 200-0300-003 S/N H0524 and R/H P/N 200-0300-004 S/N H1508. Both CSN: 1682.  
 Replaced missing R/H aileron inboard bushing P/N NAS75-4-004 with new.

I CERTIFY THE ALTITUDE & STATIC SYSTEM TESTS REQUIRED BY FAR, PART 91.411 HAVE BEEN PERFORMED ON:  
 PILOTS ADC                      S/N 07101667      DATE TESTED: 03 MAY 2016      TESTED TO : 51,000 FT.  
 COPILOTS ADC                   S/N 07101669      DATE TESTED: 03 MAY 2016      TESTED TO : 51,000 FT.  
 STANDBY ALT                    S/N 172243B      DATE TESTED: 03 MAY 2016      TESTED TO : 51,000 FT.  
 INSPECTED TO RVM REQUIREMENTS YES: XX NO: \_\_\_\_\_  
 C.R.S. # LK2R981K LEARJET INC. IGT      SIGN: [Signature]      DATE: 06 May 2016

I CERTIFY THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN ACCOMPLISHED.  
 #1 XPONDER S/N 0704B374      #2 XPONDER S/N 0708B631      DATE TESTED: 03 May 2016  
 SIGNATURE: [Signature]      DATE: 06 May 2016      C.R.S. # LK2R981K

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND WAS DETERMINED TO BE AIRWORTHY WITH RESPECT TO THE WORK PERFORMED. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER W/O NO: 187215.

DATE: 06 May 2016      SIGNATURE [Signature]      LEARJET INC. CRS# LK2R981K

TOTAL							
BROUGHT FORWARD							
GRAND TOTAL							

WO# 461138 Date: 6/20/2016  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 2175 8 ATC: 1705



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Inspection**

\* Removed Emergency Battery p/n RG-443, s/n 40509368. Complied with Learjet 40 Maintenance manual 05-19-01, replacement schedule item IRN N2431063 by installation of New Emergency Battery p/n RG-443, s/n 40809737. Manufacture date 4-5-2016. See 8130-3 dated 4-5-2016 from Concord Battery Corporation, WO 08150-01. Special inspection item IRN N2431062, capacity test, due in 12 months or 1000 hours whichever occurs first. Airworthiness Directive

\* Complied with AD 2016-11-20, effective date 7-15-2016, BE Aerospace by visual inspection. PBE p/n 119003-11, s/n 003-37226M found to be intact per paragraph (g) of AD. records research show this PBE is due for replacement in Oct. 2017, prior to the replacement date stated in paragraph (h) 2.

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 461138.

Signed  David Nelson  
for Elliott Aviation of Minneapolis, Inc.  
CRS# KX5R005N

WO# 461270 Date: 7/18/2016  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2204.3 ATC: 1717  
ATT: 2204.3



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Airframe Log Entry**

**Inspection**

\* Complied with cabin and cockpit portable fire extinguisher 12 month weight check

**Special Inspection**

\* Complied with IRN# Y2431005-300 hour battery cable and receptacle inspection. no discrepancies noted

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 461270.

Signed  Jeff Solberg  
for Elliott Aviation of Minneapolis, Inc.  
CRS# KX5R005N

WO# 46131  
Reg# N480  
ATT: 22

**Maintenance**

\* Removed tire p/n 031-4 referencing L

I certify this maintenance agency under

Signed 

WO# 461  
Reg# N4

ATT: :

- \* Inspectio
- \* Complied
- \* Reinstalle
- \* Complied
- \* satisfact
- \* Complied

I certify th  
maintenanc  
agency 1

Signec

WOC# 461311 Date: 8/3/2016  
Reg# N480ES Aircraft SN: 45-2097

ATT: 2218 4 ATC: 1723

Maintenance Action

Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

\* Removed tire pin 031-613-8, sn 4194S00337 from nose wheel assembly sn NOV08-10283. Cleaned and visually inspected wheel hub. Installed New tire pin 031-613-8, sn 5155SS00313 with New O-ring pin M83461/1-269. Greased wheel bearings, serviced, and remanited nose wheel assembly referencing Leapjet 40 maintenance manual 32-40-01. See EASA form 1 dated 6-16-2015 from Mchelin

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Permit details are on file at this agency under WOC# 461311

Signed *Darren Seehusen* for Elliott Aviation of Minneapolis, Inc.  
Darren Seehusen CRS# KXSR005N

WOC# 461311 Date: 8/10/2016  
Reg# N480ES Aircraft SN: 45-2097

ATT: 2218 4 ATC: 1723  
Airframe Log Entry

- Inspection
- \* Completed with main battery capacity check #1 battery SN 40745898 Passed with 95% capacity, #2 battery SN 40745893 passed with 95% capacity
- \* Reinstalled batteries in aircraft. Function test satisfactory
- \* Completed with C406 ELT SN 170-14374 FAR 91.207(g) inspection. Replaced battery with new SN 367528008 expiration date 10/2020. Functional test satisfactory
- \* Completed with DAVCON clock battery 12 month replacement in pilots and copilot's positions

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Permit details are on file at this agency under WOC# 461311

Signed *Jeff Seiberg* for Elliott Aviation of Minneapolis, Inc.  
Jeff Seiberg CRS# KXSR005N

LIFE LIMITED PARTS  
CHANGE RECORD





WO# 461491 Date: 11/10/2016  
 Reg# N480ES Aircraft SN: 45-2097  
 Tach: ATT: 2237 0 ATC: 1733  
 Inspection  
 \* IRN 1222007 Performed capacity test of aircraft main batteries s/n 40745698 and s/n 40745693. Both batteries passed with 85% capacity. Charged and reinstalled in aircraft.  
 \* IRNY2431005 Complied with 300 hour battery connector tolerance check referencing Lear 40 maintenance manual 24-31-00

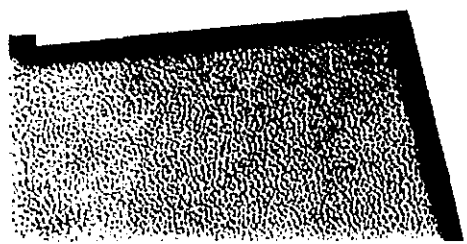


Elliott Aviation of Minneapolis, Inc  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617  
 Airframe Log Entry

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 461491.  
 Signed *David Nelson*  
 David Nelson for Elliott Aviation of Minneapolis, Inc.  
 CRS# KXR005N

															TOTAL						
															BROUGHT FORWARD						
															GRAND TOTAL						

LIFE LIMITED PARTS CHANGE RECORD



FLIGHT TIME LOG

**BOMBARDIER**

Aircraft Registration: N480FS	Aircraft Serial Number: 45-2097	Aircraft Model: Learjet 40	Page 1 of 1
Aircraft Total Time: 2280.6	Aircraft Total Landings: 1758	Date: February 05, 2017	
Air Conditioning Motor Meter Hours			
Airframe Log Entry			

Part Name	P/N Off	S/N Off	P/N On	S/N On	CSN / STATUS
RH MILG Strut ASSY	200-0200-014	H1485	200-0200-014	H1223	CSN:609 / OVERHAULED

The following "LIFE LIMITED" Serialized Parts were Replaced:  
 Complied With The Following Maintenance Items:  
 1. Updated Nav Database to Worldwide 4000 ft. Expires Mar 2, 2017. All work done IAW Learjet 40 AMM 34-60-00.

The above described maintenance is certified airworthy and a detailed record is on file under Work Order: 196437.

Richard Kanyo	<i>[Signature]</i>	Date:	February 05, 2017	FAA CRS LN4R342M
LEARJET INC., FORT LAUDERDALE SERVICE CENTER, 4100 SW 11th TERRACE FORT LAUDERDALE FLORIDA 33315				
FAA CRS LN4R342M				

TOTAL					
BROUGHT FORWARD					
GRAND TOTAL					

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FLIGHT TIME LOG

Aircraft Registration: N480ES	Aircraft Serial Number: 45-2097	Aircraft Model: Learjet 40	Page 1 of 1
Aircraft Total Time: 2280.6	Aircraft Total Landings: 1758	Date: February 05, 2017	
Air Conditioning Motor Meter Hours			

**BOMBARDIER**

Airframe Log Entry


Part Name	P/N O/F	S/N O/F	P/N O/F	S/N O/F	TSN / CSN / STATUS
RH MILG Strut ASSY	200-0200-014	H1485	200-0200-014	H1223	TSN:13700.9 / CSN:6763 / OVERHAULED

The following "LIFE LIMITED" Serialized Parts were Replaced:

- 1. Updated Nav Database to Worldwide 4000 ft. Expires Mar 2, 2017. All work done IAW Learjet 40 AMM 34-60-00.

Complied With The Following Maintenance Items:

The above described maintenance is certified airworthy and a detailed record is on file under Work Order: 196437.

Richard Kanyo			Date:	February 05, 2017	FAA CRS LN4R342M
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LEARJET INC., FORT LAUDERDALE SERVICE CENTER, 4100 SW 11th TERRACE FORT LAUDERDALE FLORIDA 33315  
 FAA CRS LN4R342M

TOTAL					
BROUGHT FORWARD					
GRAND TOTAL					

LIFE LIMITED PARTS CHANGE RECORD

# FLIGHT TIME LOG

## BOMBARDIER

Aircraft Registration: N480ES	Aircraft Serial Number: 45-2097	Aircraft Model: Learjet 40	Page 1 of 1
Aircraft Total Time: 2294.7	Aircraft Total Landings: 1766	Date: February 13, 2017	
Air Conditioning Motor Meter Hours		N/A	
Airframe Log Entry			

<b>Task Number</b>	<b>Description:</b>
W560002	Windschild - Perform Rain Removal Coating Effectiveness Test.
T122007	Lead-Acid Batteries - Perform Battery Capacity Check. (#1 and #2 Battery)

**The Following Serialized Parts Were Installed:**

Part Name	P/N Off	S/N Off	P/N On	S/N On	Status
#1 Main Battery	RG-380/40L	40745696	RG-380/40L	40745696	Inspected
#2 Main Battery	RG-380/40L	40745693	RG-380/40L	40745693	Inspected

**The Following "LIFE LIMITED" Serialized Parts were Replaced:**

Part Name	P/N Off	S/N Off	P/N On	S/N On	TSN / CSN / DOM
RH M/G Strut Assembly	200-0200-014	H1223	200-0200-014	H1485	Repaired / CSN:1757.0

The above described maintenance is certified airworthy and a detailed record is on file under Work Order: 196916

Richard Rivera	<i>Richard Rivera</i>	Date:	February 13, 2017	FAA CRS LN4R342M
LEARJET INC., FORT LAUDERDALE SERVICE CENTER, 4100 SW 11th TERRACE FORT LAUDERDALE FLORIDA 33315				
FAA CRS LN4R342M				

# FLIGHT TIME LOG

## BOMBARDIER

Aircraft Registration: N480ES	Aircraft Serial Number: 2097	Aircraft Model: Learjet 45	Page 1 of 1
Aircraft Total Time:	Aircraft Total Landings:	Date:	February 24, 2017
Airframe Log Entry			

1. Updated NAV Data Base - Expires 30 MAR 17. Compiled With The Following Maintenance Items:

The above described maintenance is certified airworthy and a detailed record is on file under Work Order: 197351

Glenn Helm	<i>Glenn Helm</i>	Date:	February 24, 2017	FAA CRS LN4R342M
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LEARJET INC., FORT LAUDERDALE SERVICE CENTER, 4100 SW 11th TERRACE FORT LAUDERDALE FLORIDA 33315

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail

Eden Prairie, MN 55347-2617

WO# 461703      Date: 3/28/2017  
Reg# N480ES      Aircraft SN: 45-2097  
Hobbs: 2303.5      ATC: 1774  
ATT: 2303.5



### Airframe Log Entry

#### Overhaul/Replacement

\* Installed an overhauled oxygen mask in co-pilots position, P/N MC10-15-166, s/n 73251 Overhaul done by Zodiac Services Americas, Van Nuys, CA work order #005052912.

#### Maintenance Action

\* Complied with periodic check of the oxygen cylinder and remote oxygen fill valves. No discrepancies noted

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 461703.

Signed

Jeff Solberg

for Elliott Aviation of Minneapolis, Inc.  
CRS# KXSR005N

W/O# 461849 Date: 6/1/2017  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2321.2  
ATT: 2321.2 ATC: 1785

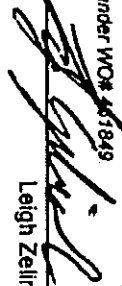


Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- \* Overhaul/Replacement
- \* Removed upper fire extinguisher bottle p/n 33100021-1 s/n 5782901 and installed overhauled bottle p/n 33100021-1, s/n 5447381 MFG date 02/2006.
- \* Removed lower fire extinguisher bottle p/n 33100021-1, s/n 57879B1 and installed overhauled bottle p/n 33100021-1, s/n 52551B1 MFG date 01/2005.
- \* Bottles overhauled by Pacific Scientific W/O's W452538-4665280-1 dated 01/May/2017 and W452539-4665702-1 dated 03/May/2017. Both bottles Hydro test date= 04/2017
- \* Maintenance Action
- \* Performed capacity test of #1 and #2 main batteries referencing Concordo Batteries RG series component maintenance manual. #1 battery p/n RG380E40L s/n 40745696 passed with 100% capacity after conditioning charge. #2 battery p/n RG380E40L s/n 40745693 passed with 90% capacity after conditioning charge.
- \* Removed emergency battery P/N RG-443 S/N 40809737. Installed new emergency battery P/N RG-443 S/N 40854355.
- \* Removed ice detector p/n 0871HN2, s/n 0503. Installed repaired ice detector p/n 0871HN2, s/n 0310. See 8130-3 dated 8/26/2016 from Rosemount Aerospace W/O 41010845.

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under W/O# 461849

Signed   
Leigh Zellinski

for Elliott Aviation of Minneapolis, Inc.  
CRS# KX5R005N

W/O# 462167  
Reg# N480ES  
Hobbs: 234  
ATT: 2345

- Inspection
- \* Performed Phai
- \* Complied with f
- \* Complied with f
- \* Complied with v
- \* Complied with 1
- \* no discrepancy
- \* Complied with
- \* discrepancies 1
- \* Airworthiness
- \* AD2017-18-12
- \* s/n O4-77871
- \* Service Bulle
- \* Complied with
- \* Overhaul/Rel
- \* IRN P243003
- \* Reference to
- \* 8130 dated 0
- \* IRN P24000C
- \* Reference to
- \* 8130 dated C
- \* Replaced all
- \* 1705224002
- \* mfg date 2/1
- \* R1 P/N P04
- \* P01074-10'
- \* Complied \*

W/O# 462167 Date: 10/11/2017  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2345.9  
ATT: 2345.9 ATC: 1803



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Inspection

- \* Performed Phase A1 through A6 300 hour checks referencing Learjet 40 maintenance manual 5-12-01 through 5-12-06
- \* Complied with first and kit inspection, replaced expired items
- \* Complied with FAR 91.207(d) inspection of ELT P/N 453-5000(368) S/N 170-14374. Operational check satisfactory. Battery expiration Oct/2020
- \* Complied with visual inspection and weight check of cockpit and cabin fire extinguishers.
- \* Complied with IRN D2740003- Horizontal stabilizer secondary trim functional check in accordance with Learjet 40 maintenance manual Chapter 27-40-03 no discrepancies noted
- \* Complied with IRN D2740004- Horizontal stabilizer primary trim functional check in accordance with Learjet 40 maintenance manual Chapter 27-40-03 no discrepancies noted.
- \* Altworthiness Directive
- \* A00017-18-12 B/E Aerospace PBE, effective date 10-16-17, complied with by Bombardier S8 40-35-04, replacement of PBE hood with new pin 119003-21 s/n OAA-7767M, MFG date 08/2017.
- \* Service Bulletin
- \* Complied with Bombardier service bulletin 40-28-04 PBE inspection. Replaced PBE head with new pin 119003-21 s/n OAA-37767M, mfg date 08/2017
- \* Overhaul/Replacement
- \* IRN P243003 Removed left hand starter generator P/N 23280-067 S/N 20725. Installed overhauled starter generator P/N 23280-067 S/N Y20245. In Reference to Learjet 40 maintenance manual 24-30-01 Starter generator overhauled by Southwind Aviation Supply under W.O. #35109 reference form 8130 dated 07/10/2017
- \* IRN P2400003 Removed RH starter generator P/N 23280-067 S/N P1438 ICA. Installed overhauled starter generator P/N 23280-067 S/N Y10108. In Reference to Learjet 40 maintenance manual 24-30-01 Starter generator overhauled by Southwind Aviation Supply under W.O. #35477 reference form 8130 dated 02/Aug/2017.
- \* Replaced all cockpit and cabin life vests with new. Pilot P/N P01074-101W, S/N 17052240035 mfg date 5/3/17. Co-pilot P/N P01074-101W, S/N 17052240020 mfg date 8/31/17. Cabin seat L1 P/N P01074-101W, S/N 17021310072 mfg date 2/16/17. Cabin L2 P/N P01074-101W, S/N 17021310155 mfg date 2/16/17. Cabin L3 P/N P01074-101W, S/N 17021310078 mfg date 2/16/17. Lav P/N P01074-101W, S/N 17021310125 mfg date 2/16/17. Cabin R1 P/N P01674-101W, S/N 17021310115 mfg date 2/16/2017. Cabin R2 P/N P01074-101W, S/N 17021310138 mfg date 2/16/17, and Cabin R3 P/N P01074-101W, S/N 17021310150 mfg date 2/16/17.
- \* Complied with IRN P3121000- Replacement of Pilots and Copilots digital clock battery.

GRAND TOTAL

LIFE LIMITED PARTS  
CHANGE RECORD

**Maintenance Action**

- \* Updated GOGO ATG unit s/n 1586412103 to software 2.7.0 using GOGO SIL Doc no D20136-006 rev C and supplied compact flash card with 2.7.0 on it. Verified A/C s/n 45-2097 specific configurations of after update. Ground functional test satisfactory
- \* Removed horizontal stabilizer control box p/n 6227401000-003 s/n 0521 and installed a repaired control box p/n 662740100-003 s/n E0046 Control box repaired by Woodward MPC Inc under W/O 590068852 dated 05Jan2017. Operation check satisfactory
- \* Installed new seals on static lines to standby airspeed and altimeter. Leak check of static system satisfactory
- \* Installed new right hand recognition lamp with new p/n 3070892.

I certify this Airframe has been inspected in accordance with a "A" inspection per 14 CFR 91.409 (f)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed  for Elliott Aviation of Minneapolis, Inc.  
David Nelson CRS# KX5R005N

WO# 462364 Date: 11/30/2017  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2360.8  
ATT: 2360.8 ATC: 1813



**Airframe Log Entry**

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Maintenance Action**

- \* Removed left delta fin Assembly P/N 4555501000-15 serial S7549, and installed new supercoded part No. 455550100-17 serial A367S reference form 8130 from Short Brothers PLC W O 6001298073 dated 10/17/12. Work performed in accordance with Lear Jet 40 maintenance manual 53-56-01
- I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under W/O# 462364

Signed  for Elliott Aviation of Minneapolis, Inc.  
Jeff Solberg CRS# KX5R005N

DATE

WO# 46:  
Reg# N4  
Hobbs:  
ATT:

- \* Modificat
- \* Upgradec
- Systems
- PB, and I
- See FAA
- Remove
- Installed
- Approac
- Remove
- Installed
- Installed
- Remove
- Installed
- All wnn
- Perform
- Perform
- Enterec
- ICA ref
- Weight




## FLIGHT TIME LOG

DATE	FROM	TO	FLIGHT TIME		TOTAL TIME	LANDS	PILOTS	REMARKS
			.....	.....				
WO# 462135		Date: 12/22/2017						Elliott Aviation of Minneapolis, Inc. Flying Cloud Airport 13801 Pioneer Trail
Reg# N480ES		Aircraft SN: 45-2097						
Hobbs: 2360.8								
ATT: 2360.8		ATC: 1813						Eden Prairie, MN 55347-2617



### Airframe Log Entry

**Modification & Refurbishment**

\* Upgraded Dual UNS-1E Flight Management System for WAAS/SBAS FMS with coupled LPV approach capability referencing Universal Avionics Systems Corporation document RPRT-2016-1002 Revision 1, Elliott Aviation Technical Products Development Inc. drawing 530-4002-E0229-000 revision PB, and Universal Avionics Systems Corporation UNS-1Ew Flight management System Installation Manual 34-60-49.

See FAA form 397 dated 12-20-2017.

Removed two existing UNS-1E FMS units p/n 2017-41-2010, s/n 1247, and 1505.

Installed New UNS-1Ew FMS units p/n 3017-41-221, s/n 2256 (#1 position), and 2257 (#2 position) with Software Control Number SCN1001.1, Precision Approach Software PAS10.4 and Configuration Modules p/n 30171, in existing locations.

Removed two existing GPS antennas p/n A1575-12EUAW, s/n 12701, and 12707 at fuselage station 285.

Installed New GPS antennas p/n 10708, s/n 10221 (left), and 10222 (right) at fuselage station 285 using existing mounting provisions.

Installed FMS 1 and FMS 2 annunciators p/n 582-10A0B03C3F8L51N15 in pilots and co-pilots instrument panels.

Removed existing DTU-100 Data Transfer Unit p/n 1408-01-1, s/n 3613 from existing location under pilots seat.

Installed New Solid State Data Transfer Unit p/n 1408-00-1, s/n 3909 in center pedestal.

All wiring installed referencing Learjet 40 wiring manual chapter 20, standard practices.

Performed operational checkout referencing UNS-1Ew Installation manual 34-60-49.

Performed GNSS ground test referencing AC20-138D chapter 21, paragraphs 21.1, and 21.2

Entered Approved Airplane Flight Manual Supplement report number FMS-4002-229 revision IR dated 12-6-2017 in Pilots Operating Handbook.

ICA report number ICA-4002-229 Revision IR entered in aircraft records.

Weight and balance change negligible.

<i>Continued next page</i>	
TOTAL	
BROUGHT FORWARD	
GRAND TOTAL	

LIFE LIMITED PARTS CHANGE RECORD

Maintenance Action

\* Installed

- \* Complied with STC ST04064CH, ADS-B Out installation referencing Flight Star Inc. Master Data List document number 45-001-002 revision J. Routed new wiring referencing Flight Star drawing 45-R01-002 revision C and Learjet 40 wiring manual chapter 20, standard practices. See FAA form 337 dated 12-22-2017.

Terminated new wiring referencing Flight Star drawing 45-W01-002 revision F.  
 Removed existing RCZ-833K communication units p/n 75140700-865, s/n 0704B374, and 0708B631 for modification.  
 Installed Modified RCZ-833M Communication Unit ADS-B assembly p/n 7510733-666, s/n 0704B374 in LH (#1) position.  
 Installed Modified RCZ-833M Communication Unit ADS-B assembly p/n 7510733-666, s/n 0708B631 in RH (#2) position.  
 Removed existing RM-855 Radio Management Units p/n 7013270-987, s/n 07116060, and 07116064 for modification.  
 Installed Modified RM-855 Radio Management Unit p/n 7013270-987, s/n 07116060 in LH (#1) position.  
 Installed Modified RM-855 Radio Management Unit p/n 7013270-987, s/n 07116064 in RH (#2) position.  
 Installed two New ADS-B off annunciators, p/n 58210A0B0C1F2L5N1 in pilots and co-pilots location.  
 Removed two existing strap board assemblies p/n 7510346-903 from nose avionics location.  
 Installed two New strap board assemblies p/n 7510359-957 in existing locations referencing Flight Star Engineering Report, document number 45-W-01-004 revision E.  
 Performed strapping and configuration of ADS-B Out System referencing Flight Star Engineering Report, document number 45-W-01-004 revision E.  
 Performed Ground Test referencing Flight Star document 45-803-003.  
 Entered Approved Airplane Flight manual Supplement document number 45-818-005 revision NC in Pilots Operating Handbook.  
 ICA document number 45-812-002 revision C entered in aircraft records.  
 Weight and balance change negligible.

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WCA 462135.

Signed 

David Nelson

for Elliott Aviation of Minneapolis, Inc.  
 CRS# KX5R005N

WO#	
Reg#	
Hobbs	
ATT:	
.....	
Perf	
manu	
2.2	
Flight	

# FLIGHT TIME LOG

FLIGHT TIME      TOTAL TIME

**WO#**                      **Date:** 12-20-2017  
**Reg#** N480ES    **Aircraft SN** 45-2097  
**Hobbs:** 2360.8  
**ATT:** 2360.8    **ATC:** 1813



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

## Airframe Log Entry

.....  
 Performed flight operational evaluation check of UNS-1Ew Flight Management System in accordance with the  
 manufacturers specifications and the flight evaluation requirements of AC 20-138D, chapter 21, sections 2.1, and  
 2.2

Flight check satisfactory \_\_\_\_\_  
 Signature and certificate number

3108689

TOTAL										
BROUGHT FORWARD										
GRAND TOTAL										

WOC# 462249 Date: 12/22/2017  
 Reg# N480ES Aircraft SN: 45-2097  
 Hobbs: 2360.8  
 ATT: 2360.8



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

**Maintenance Action**

\* Installed inspected switch panel part number SP-45-53-2 s/n 110700713 into LH #1 position. Final operational check good. See 8130 dated 10-16-2017 from Goodrich Interiors, W/O NAHE28A

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 462249

Signed   
 David Nelson

for Elliott Aviation of Minneapolis, Inc.  
 CRS# KXSR005N

Page 1 of 1

WOC# 462381 Date: 3/12/2018  
 Reg# N480ES Aircraft SN: 45-2097  
 ATC: 2385.5 ATC: 1826



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

**Inspection**

- \* Task 23005A- Complied with CVR ULB switch cleaning and operational check of ULB battery. Battery expiration Sept 2020
- \* Task 313005A- Complied with FDR ULB switch cleaning and operational check of ULB battery. Battery expiration July 2018.
- \* Task W5600002 Complied with windshield rain removal coating effectiveness test reference chapter 59-10-01 of Learjet 40 maintenance manual. Both windshields check good

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOC# 462381


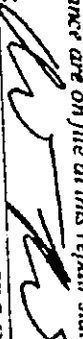
Signed   
 David Nelson

for Elliott Aviation of Minneapolis, Inc.  
 CRS# KXSR005N

Page 1 of 1

DATE	FROM
	RYSM-Pe Primary Pte 17-00), Pte Mismatch 1 (53-00-01), Pilot-Static
	Tested and altitude ref I/A/W 14 C to 51,000 . Learjet 45 #1 ADC A #2 ADC A Standby A #1 Transp #2 Transp
	The above mainten
	Signed 2

# FLIGHT TIME LOG

DATE	FLIGHT TIME	TOTAL TIME	MARKS
			
<b>RYSM - Performed the following Inspections I/AVW Learjet 45 MINI:</b> Primary Pilot-Static Probes - Verify pitch, roll, and Yaw alignment (34-11-01), ADC - Functional Test (34-17-00), Pilot-Static Probe Detailed Visual Inspection (34-11-01), Avionics Access Doors - Gap and Mismatch Inspection (52-40-01), Forward Fuselage Skin - Pilot-static Probe Zone Skin Contour Check (53-00-01), Pilot-Static Probe visual inspection (5-10-00), Drain hole clear of obstructions (34-11-01), Pilot-Static System leak test (34-11-00), Standby Altimeter - Functional Test (34-15-01).		Reg #: N480LS Make: Learjet Model: 45 Serial: 2097 Date: 06 01 2018 Total Time: 2414.5 Landings: 1839 Work Order: 5ZA3A	
Tested and inspected the Pilot/Co-Pilot/Standby static pressure systems, altimeter and automatic pressure altitude reporting system I/AVW Title 14 CFR Part 91.411 and ATC transponder tests and inspections I/AVW 14 CFR Part 91.413(a) and found to comply with Title 14 CFR Part 43, Appendices E and F. Tested to 51,000 ft. All Tested Systems meet the 24 Month RYSM Inspection requirements in Chapter 5 of the Learjet 45 Aircraft Maintenance Manual.			
#1 ADC AZ-950 P/N: 7030700-71704, S/N: 07101667 #2 ADC AZ-950 P/N: 7030700-71704, S/N: 07101669 Standby Altimeter P/N: 7634208001-003, S/N: 172243B #1 Transponder RCZ-833M P/N: 7510733-666 SN: 0708B631 #2 Transponder RCZ-833M P/N: 7510733-666 SN: 0704B374			
The above described repair or maintenance is approved for return to service. Pertinent details of this repair/maintenance are on file at this repair station under Work Order #5ZA3A.			
Signed: 			
For Duncan Aviation CRS DXSR467X Phone: 651-209-8430			
BROUGHT FORWARD			
GRAND TOTAL			

LIFE LIMITED PARTS CHANGE RECORD

Model #	Lea-40XR	Elliott Aviation Flight Services, Inc. 13801 Pioneer Trail Eden Prairie, MN 55347 952-944-1200 Logbook Insert	Date	6/5/18
Serial #	45-2097		Hobbs	2414.5
Reg #	N480ES		ACFTT	2414.5
			Landings	1839

This aircraft and its equipment conforms to the requirements of 14 CFR Part 135.25, including registration, current airworthiness certification, identification, and current airworthiness condition for operation on Part 135 Certificate KJEMA186F.

  
C. John Skand, ACP28841451A



WOC 462516 Date: 6/13/2018  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2414.5  
ATT: 2414.5 ATC: 1839



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Inspection

- \* H5323032 Completed with eddy current inspection on all fuselage cabin window cowling in reference to Learjet NDT manual part 6-26-20-01. No positive indications noted
- \* Y2130065 Performed Cabin Pressurization leakage test
- \* 2370034A Performed CVR beacon check/death test
- \* 3130054 Performed FDR beacon check/clear test. Removed beacon pin DK120 sn SC10537. Installed Overhauled beacon pin DK120 sn S065443 with expiration date of Dec 2023. See 8130-3 dated 11-16-2017 from Radiant Power Corp. W/O P000012110
- \* 2561094 Performed ELT functional test of Atlas C106-2 pin 453-5000-366 sn 170-14374 per FAR 91.207(d) Battery replacement due oct 2020
- \* 243037A Performed Capacity Test of emergency battery pin RG-443 sn 40654355 Battery passed Capacity Test with 98% capacity after conditioning charge
- \* 82450002 Completed with electrical system control operational check
- \* 2430428 Performed Capacity Test on Conquest RG-380/E40L sn 40755893 battery. Battery passed Capacity Test with 100% capacity after conditioning charge
- \* 2430448 Performed capacity test on Conquest RG380-40L sn 40755893 battery. Battery passed Capacity Test with 100% capacity after conditioning charge
- \* F2840003 Performed fuel quantity signal conditioner functional test
- \* A3020000 Performed functional test of rabelec anti-ice system
- \* B3100000 Performed mechanical/recording system operational check
- \* 3240007 Performed brake shutoff valve function test
- \* Y1320001 Performed visual inspection of left and right main landing gear.
- \* A3240005 Performed hydraulic brake hose functional test
- \* A3400000 Performed navigation systems operational check
- \* 5600002 Performed surface seal coating inspection on plates and co-pilot windshield
- \* 3020005 Performed left and right engine inlet anti-ice tube inspection
- \* 7830078 Performed operational check of throttle retard actuator
- \* Airworthiness Directive
  - \* AD2017-04-05 effective date 4-7-17. United Instrument Adjusters - found to be not applicable, named equipment not installed in aircraft
  - \* AD2018-03-04 effective date 3/16/18 - Roostmount pilot probes, found to be not applicable by pin and sn of installed equipment. No further action taken
  - \* AD 2012-11-09R1 effective date 2-27-15, transport category airplanes. Found to be not applicable. Oxygen generators not installed on this aircraft
- \* Overhaul/Replacement
  - \* 3130111 Installed new battery pin LR11N in pilot Dorton dock.
  - \* 3120121 Installed new battery pin LR11N in co-pilot Dorton dock.
  - \* 242001A, 242002A Replaced LH alternator pin 80278-2 sn 400 with overhauled unit pin 80278-2 sn 829. Unit overhauled by OECO LLC under W/O R078718 dated 1-25-18
  - \* Replaced RH alternator pin 802782 sn 860 with overhauled unit pin 80278-2 sn 1068. Unit overhauled by OECO LLC under W/O 2-14-18
- \* Removed top and bottom bottle jet cartridges. Installed new pin AE300039392, lot AEN1311 cartridges in LH position of top and bottom fire extinguishing bottles and installed. MFG date 2/17. SN# REE0348 and REE030. Installed new pin 1400903439 sn 01526 in top fire bottle right position. Installed new cartridge pin 1400903439 sn 01526 in bottom fire bottle right position. See FAA form 8130-3 dated 10/21/17 from Ametek Armeton LLC W/O 23454. For right cartridge see FAA form 8130-3 dated 3/14/17 from Applied Energy Technology Corp W/O Ametek Armeton LLC W/O 23454. For extinguisher cartridge reference chapter 26-21-02 of Learjet 40 maintenance manual. See check good
- \* 2810050 Installed new pressure and return act hydraulic door actuator pin M88155E-4
- \* 3231024 Replaced left and right main landing gear inboard gear door actuator cap screws with new pin NAS135231412P

Maintenance Action

- \* Weighed aircraft on Evergreen load cell system with fuel drained. All oil and hydraulic systems
- \* Installed new macerator pump pin 5300-1 sn M5850JMS954
- \* Installed cockpit environmental EL panel pin 24210-783128503-019 rev 3 sn 538 after repair by Aircraft Dial Inc under W/O 32878. operational checked good

I certify this Airframe This aircraft has been inspected in accordance with the Learjet 40 maintenance manual chapter 05, per 14 CFR 91.419 (f)(3) and is determined to be in airworthy condition. All maintenance was performed referring the applicable manufacturer's maintenance manuals. Personnel details are on the underlying reference work order.

Signed for Elliott Aviation of Minneapolis, Inc.  
David Nelson CRSR K3550095N



WJCF 462779 Date: 10/22/18  
 Reg# N480ES Aircraft SN: 45-2097  
 ATC: 2489 6 ATC: 1890


**ELIOTT**  
 AVIATION

Eliott Aviation of Minneapolis, Inc  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Airframe Log Entry

- \* Inspected
  - \* Completed with Phase A1 through J4, 300 hour checks referencing latest 40 maintenance manual 05-1101 through 05-1106 and Phase B1 through B4.
  - \* 600 hour checks referencing latest maintenance manual 05-1201 through 05-1206
  - \* Task code 2210033 - Complied with cockpit disconnection test, ops check good. Reference chapter 22-10-00 of Lear Jet 40 maintenance manual
  - \* Task code 2300000 - Complied with operation check of communication system, ops check good. Reference chapter 23-00-00 of Lear Jet 40 maintenance manual
  - \* Task 2431005 - Complied with battery connector tolerance check in accordance with Lear 40 aircraft maintenance manual 24-31-00. Checks within limits
  - \* Task 2450000 - performed check of generator fuel induction system in reference to Learjet 40 maintenance manual chapter 24-50-00 pg 205-206. No fault found
  - \* Task 2450001 - complied with auxiliary power supplies functional test
  - \* Task 2450023 - performed operational check of the emergency battery low and gen arpt high induction check in reference to chapter 24-50-0 page 207-210 of Learjet 40 maintenance manual. No fault found.
  - \* Task 2580078 - perform test and 14 visual inspection and found 14 to be in good condition with all items complete.
  - \* Task codes 261003-1, 261003-2 and code 261003-3 - Complied with cockpit left hand fire extinguisher, cockpit right hand fire extinguisher and cabin fire extinguisher annual maintenance reference chapter 5-1-01 of Lear Jet 40 maintenance manual.
  - \* Task 2711001 complied with alternator trim test control system operational check, per Lear 40 maintenance manual chapter 27-10-04. All functions checked satisfactory.
  - \* Task code 2712000 - Complied with operational check of roll disconnected switches, ops check good. Reference chapter 27-60-06 of Learjet 40 maintenance manual
  - \* Task 2721001 performed function check of rudder trim system per Lear maintenance manual chapter 27-20-00, System function satisfactory.
  - \* Task 2721001 - performed operational check of elevator over ride actuator referencing Lear Jet 40 maintenance manual 27-20-14. No discrepancies noted.
  - \* Task code 272105 - Complied with operational check of elevator disconnected system, ops check good. Reference chapter 27-20-00 of Lear Jet 40 maintenance manual
  - \* Task code 2760002 - Complied with spoiler authority wing flap check, ops check good. Reference chapter 27-60-00 of Lear Jet 40 maintenance manual
  - \* Task 301000 performed wing/slat antic-stitch operational check in reference to Lear Jet 40 maintenance manual chapter 30-10-00 pg 224. No fault found.
  - \* Task code 3040000 - Complied with functional test of the windshield anti ice system, no discrepancies noted. Reference chapter 30-40-00 of Learjet 40 maintenance manual
  - \* Task 3220001 - Complied with emergency gear extension functional test completed in accordance with 32-33-00
  - \* Task code 3240004 - Complied with functional test of the emergency/parking brake position indicating switch, functional test good. Reference chapter 32-42-01 of Lear Jet 40 maintenance manual.
  - \* Task code 3240006 - Complied with Emergency/parking brake control system, functional test good. Reference chapter 32-42-02 of Lear Jet 40 maintenance manual.
  - \* Task 331002 complied with oxygen system operational check in reference to Lear 40 maintenance manual 33-00-00.
  - \* Task 331003 - Complied with functional test of the cabin low pressure oxygen distribution test hoses in accordance with Lear 40 AMM 33-20-00. Pressure decay checks within limits.
  - \* Task 351001 - Complied with functional test of the oxygen system altitude compensating regulator in accordance with Lear 40 AMM 35-20-00. All checks satisfactory.
  - \* Task 361000 - performed bleed air system functional test in reference to Learjet 40 maintenance manual chapter 36-10-00 pg 201-208. No fault found.
  - \* Task 361001 - Complied with cabin overhead thermostat electrical system functional test, function test good. Reference chapter 36-20-01 of Learjet 40 maintenance manual.
  - \* Task 5-19-01-442760021 - replaced left rodler pressure side swivel fitting with new pin 782760001-001 and return side swivel fitting pin AEB1507G in reference to Lear 40 maintenance manual 27-60-04.
  - \* Task 5-19-01-442760021 - replaced right spoiler pressure side swivel fitting with new pin 782760001 and return side swivel fitting pin AEB1507G in reference to Lear 40 maintenance manual 27-60-04.
  - \* Task 5-19-01-1072910018 - complied with hydraulic filter replacement section of Lear 40 manual 29-10-03.
- Maintenance Action**
- \* Installed new static wick base pin 15401 on lower position of LH wingtip in reference to Lear 40 maintenance manual 51-71-01
  - \* Replaced left and right aileron brash seals with pin M89827-270 reference Lear 40 maintenance manual chapter 27-10-00, 27-10-02.
  - \* Installed new right control cable upper fair lead block pin 782730201-023 under cabin floor inside door.
  - \* Replaced nose gear actuator downlock switch plunger ball with new pin M61510003-1014. Adjusted switch in reference to Lear Jet 40 maintenance manual 32-60-06, functional check of landing gear emergency extend and normal retract/extend cycle normal through 3 cycles in reference to chapter 32-33-00.
  - \* Replaced nose wheel tire with new Michelin tire pin 031-613-8 VIN 8074500455. Balance checked assembly and serviced with nitrogen to proper limits.
  - \* Replaced fuel tank access panel seals on RH wing 620LR, 620R/R, 620A/R, LH wing panels 520FL, 520GL, 520KL in reference to Lear 40 maintenance manual chapter 57-20-01.

I certify this Airframe has been inspected in accordance with a A1-A8 / B1-B8 inspection per 14 CFR 91.409 (j)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Permitted details are on file under the referenced work order.

Signed:  Jeff Sobieg  
 for Eliott Aviation of Minneapolis, Inc.  
 CRSA KXSR000R

Page 1 of 1



ELLIOTT AVIATION - MINNEAPOLIS  
13801 PIONEER TRL.  
EDEN PRAIRIE, MN, USA, 55347-2614

LEANDER 40 NAB055 S/N: 45-2097

Work Order #:

Date	A/C NRS	A/C JTL	ENG 1 HRS	ENG 2 HRS	ENG 3 HRS	APU HRS	APU STARTS
31 Jul 2018	J433 B	1839	2433 B	1839	2433 B	1839	
No.	Task No./Position	Description					
1	PAA-2014-113-06	INSPECT THRUST REVERSE FLANGE FOR ANY CORROSION, AND DAMAGE TO THE SEALANT, INSTALL SEALANTS AND GASKETS, AND RELATED INVESTIGATIVE AND CORRECTIVE ACTIONS NOT APPLICABLE - N/A, HAS ALUMINUM BYPASS DUCTS					

EF: PAAUG-2014

Work Performed By:

*[Signature]*  
C. John [Name]  
C-3075 (AUG)

Certificate #:

AP28841451A

Certificate #:

AP28841451A

Work Inspected By:

WOW 463109 Date: 1/29/2018  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 2514.9 ATC: 1904



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Maintenance Action  
\* Completed with capacity check of emergency battery sn 40854355. Battery passed at 95% capacity in reference to chapter 24-30-71 of Concordia component maintenance manual.

I certify the Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Payment details are on file at this agency under WOW 463109.

Signed: Jeff Sydberg

for Elliott Aviation of Minneapolis, Inc.  
CR# KXSR005N

Page 1 of 1

WOW 463232 Date: 2/25/2019  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2575.5 ATC: 1935  
ATT: 2575.5



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Maintenance Action  
\* IRN W6560002 - complied with cockpit windshield rain removal coating effectiveness test in reference to Law/40 maintenance manual 56-10-01

I certify the Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Payment details are on file at this agency under WOW 463232.

Signed: Jeff Sydberg

for Elliott Aviation of Minneapolis, Inc.  
CR# KXSR005N

Page 1 of 1

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ELLIOTT AVIATION - MINNEAPOLIS  
13801 PIONEER TRAIL  
EDEN PRAIRIE, MN, USA, 55347-2614

LEARNJET 40 N480ES S/N: 45-2097

Work Order #:

No.	Task No./Position	Date	A/C HRS	A/C AFB	ENG 1 HRS	ENG 1 EMC	ENG 2 HRS	ENG 2 EMC	APU HRS	APU STARTS
1	40-57-04 R02	8-2019	2375.5	1835						

Description  
WINGS - INSTALLATION OF MAIN LANDING GEAR ATT TRUNNION FITTING UPPER SHEAR PIN SPACERS, SERVICE BULLETIN - (RECOMMENDED)  
Method Of Compliance: NOT APPLICABLE - PREVIOUSLY COMPLETED WITH NO REWORK REQUIRED

Update Note: NO REWORK REQUIRED.

Previous revision completed with, no rework required.  
Revised J Borewing AP 2837376

Work Performed By: *Randal J Borewing*

*Randal J Borewing*

Certificate #:

*AP2837376*

Work Inspected By:

Certificate #:

WOM# 463279 Date: 3/22/2019  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2595  
ATT: 2595 ATC: 1944



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- \* Overhaul/Replacement
- \* Task Q3110922, 3500014- Removed oxygen cylinder pin 898-KT0CC22 shn ALT7286-23262108 with regulator pin 803946-07 shn 2109 installed
- \* Overhaul regulator assembly pin 803946-07 shn 2109 and inspected condition O2 bottle, pin 898-KT0CC22 shn ALT7280-5547 JAW/Lear 40 maintenance manual 35-00-01 and serviced in accordance with referenced procedure Oxygen bottle inspected by Aerospace Turbine Roaches under work order WO137150 dated 3/18/2019. Bottle MFG date 5/2018. Hydro date 3/18/2019. Regulator overhauled by Aerospace Turbine Roaches under work order WO 137150-1 dated 3/18/2019.
- \* Maintenance Action
- \* Performed capacity test on emergency battery pin RC-443 shn 40854355. Battery passed at 90% capacity. Recharged battery and reinstalled
- \* Performed main landing gear brake bleeding procedure in reference to Lear 40 maintenance manual 32-41-101. Performed pressure adjustment of aux hydraulic pump in reference to Lear 40 maintenance manual 28-20-01. Serviced hydraulic reservoir.
- \* Replaced right hand recognition light lamp with new pin 30704922.

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Partent details are on file at this agency under WOM# 463279

Signed: *DAE Solberg*

for Elliott Aviation of Minneapolis, Inc.  
CRS# KXSR005N

Page 1 of 1

WOM# 463279 Date: 3/28/2019  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: 2595  
ATT: 2595 ATC: 1944



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- \* Maintenance Action
- \* Reinstated existing oxygen bottle pin 898-KT0CC22 shn ALT 680-6547 with inspected regulator pin 803946-07 shn 2109. Serviced and leak check satisfactory. See 81003 dated 3/28/19 Non Aerospace Turbine Roaches work order 137659

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Partent details are on file at this agency under WOM# 463279

Signed: *David Nelson*

for Elliott Aviation of Minneapolis, Inc.  
CRS# KXSR005N

Page 1 of 1

WO# 463418 Date: 7/3/2019  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 2627 9 ATC: 1983



Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

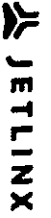
**Maintenance Action**

- \* 256109A- Completed with visual inspection and functional test of ELT pin 453 5000 (365), sn 170-14374, per FAR 91 201d Battery expiration date OCT 2020
- \* 312011- Installed new "V" battery in pilots digital clock
- \* 312012- Installed new "V" battery in co-pilots digital clock

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Payment details are on the AFWS agency under WO# 463418

Signed   
David Nelson

for Elliott Aviation of Minneapolis, Inc.  
CRSR K3SR003N



# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Satisfy For Bombardier Learjet 40

MA  Aircraft Engine 1 Engine 2

Serial No 45-2097 P-116948C P-116947C

Jet Line Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA 68144  
402-315-1026

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat Code	Man Hours	
2015-10-31-E	21 AD	EMERGENCY AD - Airframe Integrated Flight Display (IFD) - Navigation - Incorporate Operational Limitations into Airplane Flight Manual (AFM) or Airplane Flight Manual Supplement (AFMS) Limitation (Effective Date 18-May-2015)										
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed												
2015-16-04	22 AD	Fire Protection (Effective Date 15-Sep-2015)										
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed												
2015-23-09	23 AD	Oxygen - Zodiac Aerotechnics (Formerly InterTechnique Aircraft Systems) Flight Crew Oxygen Mask Regulators - Inspection / Replacement Of Oxygen Mask Regulators (Effective Date 28-Dec-2015)										
MOC Not Applicable, MOC note N/A by part number and serial number of masks												
2017-11-11	24 AD	ATC Transponder System - Automatic Dependent Surveillance Broadcast (ADS-B) Universal Access Transceiver Units (Effective Date 11-Jul-2017)										
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed												

### Legend:

Task Types: PN - Component Ins., Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag Pkg - Package

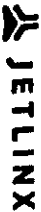
Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service W - Work, O - Overhaul, R - Replaced, I - Inspected, L - Loaner, U - Upgraded, S - Serviceable

Work Performed By: Technician	Bugg, Derrick (A&P 2722091)	Inspector	Work Order No	6 / 002	Maintenance Log Section	Airframe	Maintenance Log Page	3/3
Service Center	Jet Line		Work Order No	6 / 002	Maintenance Log Section	Airframe	Maintenance Log Page	3/3

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the FAA and the aircraft identified above is presently airworthy and approved for return to service

Signed \_\_\_\_\_ Date 7/10/2014

Permanent Aircraft Record - File in Maintenance Log



# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Safety For Bombardier Learjet 40

MA  Aircraft Engine 1 Engine 2  
Serial No 45-2097 P-116948C P-116947C  
Jet Link Aviation, LLC  
13030 Pierce Street Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

## Component Changes, Inspectors, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

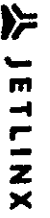
Item Code	Transaction No. Type	Item Name	Position	Installing Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Est. Cost	Man Hours
2017-16-01	11	AD	Emergency Locator Beacon (Amen-king Corporation) - Inspect/ Replace (Effective Date: 24-Oct-2017)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2017-16-01	12	AD	Emergency Locator Beacon (Amen-king Corporation) - Inspect (Effective Date: 24-Oct-2017)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2017-16-01	13	AD	Emergency Locator Beacon (Amen-king Corporation) - Replace (Terminating Action) (Effective Date: 24-Oct-2017)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2009-08-01	14	AD	Honeywell, Inc - FMS5 (Effective Date: 14-May-2009)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2009-21-10	15	AD	AVOX Systems and B/E Aerospace Oxygen Cylinder Assemblies (Effective Date: 04-Feb-2010)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2014-05-27	16	AD	Rockwell Collins, Inc - Navigation - TPR-720 and TPR-900 Mode S transponders test and calibration (Effective Date: 02-May-2014)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2014-17-02	17	AD	Communications - ET Model RESCU 406AF and 406AFN - Do One-Time General Visual Inspections of the ET TU (Effective Date: 09-Sep-2014)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2014-17-02	18	AD	Communications - ET Model RESCU 406AF and 406AFN - Return the TU or Battery Pack (Effective Date: 09-Sep-2014)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2014-18-01	19	AD	Rockwell Collins, Inc - Navigation - inspect the airplane type code category strapping setting for a value of zero (0) or one (1) following Rockwell Collins, Inc Service Information Letter 07-2, 523-0810069-101000, TDR-940 SIL 07-02, (Effective Date: 14-Oct-2014)								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2015-10-51	20	AD	Airframe Integrated Flight Display (IFD) - Navigation - Incorporate Operational Limitations into Airplane Flight Manual (AFM) or Airplane Flight Manual Supplement (AFMS) limitation <b>Effective Date: 1-Jul-2015</b>								
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											

### Legend

1001 Parts PM Component Ins - Inspection SB - Service Bulletin AD - Airworthiness Directive Sng - Snag

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, I - Loose, P - Swap, S - Service, W - Warn, O - OverConformance  
Installed Part Status: N - New, O - Overhauled, R - Repaired, I - Inspected, U - Upgraded, S - Serviceable

Service Center	Jet Lin	Work Order No.	WO/4480FS/2019/0	Maintenance Log Section	Airframe	Maintenance Log Page	2/3
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### Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sdely For Bombardier Learjet 40

MA

Aircraft

Engine 1

Engine 2

Serial No 45-2097

P-11694AC

P-116947C

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1025

#### Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	Hrs	LDG	ACFT	ACH	Hrs	Eng#1	Eng#2		
45-2097	N480ES	03-Jul-2019	2 627.9	1 963				Eng	Eng		
<b>Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished</b>											
Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mnt Cost	Mnt Hours
2011-14-08	1 AD	B/E Aerospace, Continuous Flow Passenger Oxygen Mast Assembly (Effective Date: 19-Aug-2011)									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											
2011-14-08	2 AD	B/E Aerospace, Continuous Flow Passenger Oxygen Mast Assembly - Record Check/Inspection (Effective Date: 19-Aug-2011)									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											
2011-14-08	3 AD	B/E Aerospace, Continuous Flow Passenger Oxygen Mast Assembly - Modification/Replacement (Effective Date: 19-Aug-2011)									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											
2015-08-07	4 AD	Zodiac Aerotechnics (formerly Inter Technique Aircraft Systems) - Oxygen - Flightcrew Oxygen Mask Regulators (Effective Date: 16-Jun-2015)									
MOC Not Applicable: MOC note N/A by date of manufacture											
2015-08-07	5 AD	Zodiac Aerotechnics (formerly Inter Technique Aircraft Systems) - Oxygen - Flightcrew Oxygen Mask Regulators - Inspection									
MOC Not Applicable: MOC note N/A by date of manufacture											
2015-08-07	6 AD	Zodiac Aerotechnics (formerly Inter Technique Aircraft Systems) - Oxygen - Flightcrew Oxygen Mask Regulators - Replacement									
MOC Not Applicable: MOC note N/A by date of manufacture											
2015-10-02	7 AD	Zodiac Seats France Passenger Seat Assemblies (This AD replaces AD 2014-20-11) (Effective Date: 12-Jun-2015)									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											
2015-10-02	8 AD	Zodiac Seats France Passenger Seat Assemblies - Repetitive Inspection									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											
2015-10-02	9 AD	Zodiac Seats France Passenger Seat Assemblies - Corrective Action - Replace Cracked Link									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											
2015-10-07	10 AD	Zodiac Seats France Passenger Seat Assemblies - Replace Seal Backrest Links									
MOC Not Applicable: MOC note Not applicable due to affected equipment is not installed											

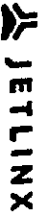
#### Legend

Tail Types By Component Ins. Inspection SB, Service Bulletin AD, Airworthiness Directive, Sng - Snag

Reasons for Removal: D - Damaged, E - Eruption, F - Failure, I - Inair, P - Swap, S - Service, W - Warning, O - Overhaul, R - Repaired, U - Upgraded, V - Visual, C - Corrective

Service Center	JetLink	Work Order No	WC/N480ES/2019/0 6 / 002	Maintenance Log Section	Airframe	Maintenance Log Page	1/3
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### Maintenance Transaction Report

This Maintenance Transaction Report Is To Be Sailed For Bombardier Learjet 40

MA

Aircraft

Engine 1

Engine 2

Serial No.

45-2097

P-116948C

P-116947C

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1026

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	MIL Coil	Man Hours
2014-18-01	12 AD	Rockwell Collins, Inc. - Navigation - inspect the airplane type code category strapping setting for a value of zero (0) or one (1) following Rockwell Collins, Inc. Service Information Letter 07-2, 523-0810069-101000, TDR-940 SIL 07-02 (Effective Date 14-Oct-2014)									85 4

MOC Not Applicable. MOC note Not applicable due to affected equipment is not installed

2017-16-01

13 AD

Emergency Locator Beacon (Amen-Ring Corporation) - Inspect/Replace (Effective Date 24-Oct-2017)

MOC Not Applicable. MOC note Not applicable due to affected equipment is not installed

6

#### Legend:

Tail Type: PIN - Component In - Inspection SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service, W - Work, O - Other/Conformance

Installed Part States: N - New, O - Overhauled, R - Repaired, I - Inspected, L - Loaner, U - Upgraded, S - Serviceable

Work Performed By Technician	2722096	Inspector	RIL Inspector
Service Center	Jet Linx	Work Order No.	WO/N480ES/2019/07
Maintenance Log Section	Airframe	Maintenance Log Page	2/2

Work Performed By Technician: 2722096 Inspector: RIL Inspector

certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the FAA and the aircraft identified above is presently airworthy and approved for return to service

Signed: Date: 7/12/2019

Permanent Aircraft Record - File In Maintenance Log



000TR0XXALL

### Maintenance Transaction Report

The Maintenance Transaction Report is to be used for Bomber Langley 40

MA  Aircraft Engine 1 Engine 2

Jet Line Aviation, LLC  
13000 Plover Street, Suite 100  
Owens, NC USA 28764  
402-315-1825

### Aircraft Identification and Status

Amount Serial No	Amount Reg No	Date	Wt	Lgt	Wing	ACH	Eng1	Eng2
45-2097	MAKES	12-04-2013	2,827.9	1,943				
Serial No	Part No	Part No	Part No	Part No	Part No	Part No	Part No	Part No
45-2097	P-11594C	P-11594C	P-11594C	P-11594C	P-11594C	P-11594C	P-11594C	P-11594C

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Stages Accomplished

Item Code	Transaction No.	Type	Item Name	Position	Inspected/Inspected Part Number	Inspected/Inspected Part Number	Reason for Removal	Inspected/Inspected Part	TSX Inspected Part	Max. Allow. Hours
2013-12-06	1	AD	Inspection (Effective Date: 21-Jul-2013)							
2013-12-06	2	AD	Portage - Maintenance/Inspection Program Revision (Effective Date: 21-Jul-2013)							
2009-05-08	3	AD	MOC Completed With MOC note PCW reference Bombardier CSR MW3844. Log entry dated 07/23/2012. Completed with by completion of SBA0-54-03 MOC Letter 11594-15-423. Inspection interval is now 5000 hours. (Inspection Interval: 2009)							
2009-11-09	4	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2010-01-04	5	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2010-11-05	6	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2011-11-05	7	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2012-08-08	8	AD	MOC Completed With MOC note PCW reference Bombardier CSR MW3844. Log entry dated 05/05/2012. Completed by implementation of the revised MOC schedule criteria.							
2012-11-15	9	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2012-12-01	10	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2012-06-15	11	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							
2012-11-15	12	AD	MOC Not Applicable. MOC note: Not applicable due to affected equipment is not installed.							

1st Item PW Component wt. inspection 18. Service Bulletin AD. Amendment Decision. Sng. Sng.

Reason for Removal: D - Damaged I - Inspection F - Failure L - Leaker P - Seep S - Seize W - Worn O - Overhaul R - Repair U - Inspected L - Leaker U - Inspected S - Service

Service Center In Lda	Work Order No	Maintenance Log Section	Maintenance Log Page
	7		1/2



JETLINK

This Maintenance Transaction Report is To Be Satisfy For: Bombardier Learjet 40, Honeywell TFE731-20BR, Honeywell TFE731-20BR

MA  Aircraft  Engine 1  Engine 2

Jet Line Aviation, LLC  
13930 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1826

### Maintenance Transaction Report

Serial No. 45-2097 P-116948C P-116947C

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man. Hours
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2012-16-14 12 AD UPT rotor blades, ENG2 Effective Date: 01-Oct-2012  
 MOC Not Applicable, MOC note: Not applicable by date of manufacture and no blades replaced during effective dates.

2014-17-02 13 AD Communications - EIT Model RESCU 400E and 400EIN (The AD Replaces AD 2013-18-09) Effective Date: 09-Sep-2014  
 MOC Not Applicable, MOC note: Not applicable due to affected equipment is not installed

98-17-01 14 AD Flex Fuel Tube, ENG1 ~~Part: 14-AP-195~~  
 MOC Not Applicable, MOC note: Not applicable by fuel tube part number

98-17-01 15 AD Flex Fuel Tube, ENG2 ~~Part: 14-AP-195~~  
 MOC Not Applicable, MOC note: Not applicable by fuel tube part number

98-17-01 R1 16 AD Flex Fuel Tube, ENG1 Effective Date: 19-May-1999  
 MOC Not Applicable, MOC note: Not applicable by fuel tube part number

98-17-01 R1 17 AD Flex Fuel Tube, ENG2 Effective Date: 19-May-1999  
 MOC Not Applicable, MOC note: Not applicable by fuel tube part number

Legend: Reason for Removal: D - Damaged, E - Expiration, F - Failure, L - Labor, P - Snag, S - Service, W - Work, O - Other/Convenience

Task Type: PM Component: Inp. Inspection, SA, Service Bulletin, AD, Airworthiness Directive, Snag, Snag Pkg., Package  
 Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Labor, U - Upgraded, S - Serviceable

Service Center: Jet Line	Work Order No.: 7	WOC/HA065/2019/0	Maintenance Log Section: Airframe, Engine, Engine	Maintenance Log Page: 2/2
Work Performed By: Technician 2727098	Inspector: Bill Inspector	Date: 7/15/2019		
I certify that the above stated maintenance and inspection was performed in accordance with the current regulations of the FAA and the aircraft identified above is presently airworthy and approved for return to service.				
Permanent Aircraft Record - File In Maintenance Log				



**JETLINK**

### Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sonly For Bombardier Learjet 40, Honeywell TFE731-20BR, Honeywell TFE731-20BR

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA 68114  
402-315-1026

MA  Aircraft  Engine 1  Engine 2

Serial No. 45-2097 P-116947C P-116947C

#### Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Ldg	ACH	Hrs	Eng#1	Eng#2
45-2097	N480ES	15-Jul-2018	2,827.9	1,963			Enc	Enc

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished


Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man. Hours
2000-08-13	1 AD	Crane Hydro-Aire Brake Control Unit (Effective Date 15-May-2000)									
MOC Not Applicable, MOC note Not applicable due to affected equipment is not installed											
2000-23-04	2 AD	Grease to the rotating disk assembly of the nose landing gear (NLG) squat switch mechanism (Superseded by 2003-17-08) (Effective Date 06-Dec-2000)									
MOC Superseded, MOC note AD is superseded											
2001-03-05	3 AD	Airframe Mainlid Assembly (Effective Date 20-Feb-2001)									
MOC Not Applicable, MOC note Not applicable by serial number											
2002-17-01	4 AD	Foot Warm Circuit Breaker (Effective Date 12-Sep-2002)									
MOC Not Applicable, MOC note Not applicable by serial number											
2003-06-51	5 AD	Horizontal stabilizer actuator (Effective Date 11-Apr-2003)									
MOC Not Applicable, MOC note Not applicable by serial number											
2003-16-09	6 AD	Main Landing Gear (MLG) (Effective Date 27-Aug-2003)									
MOC Not Applicable, MOC note Not applicable by serial number											
2003-17-08	7 AD	Nose landing gear (NLG) squat switch cannot (Effective Date 24-Sep-2003)									
MOC Not Applicable, MOC note Not applicable by serial number											
2005-24-13	8 AD	Electrical wire bundle for the alternator on the left-hand engine (Effective Date 20-Dec-2005)									
MOC Not Applicable, MOC note Not applicable by serial number											
2007-17-17	9 AD	Unsealed gaps on the pylon side of the engine firewall (Effective Date 02-Oct-2007)									
MOC Not Applicable, MOC note Not applicable by serial number listed in SB45-54.3											
2008-01-03	10 AD	Principal structural elements (PSEs) (Effective Date 14-Feb-2008)									
MOC Not Applicable, MOC note Not applicable by serial number											
2012-16-14	11 AD	LP72 rotor blades, ENG1 (Effective Date 01-Oct-2012)									
MOC Not Applicable, MOC note Not applicable by date of manufacture and no blades replaced during effective dates											

#### Legend:

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loose, P - Swap, S - Service, W - Worn, O - Other/Convenience

Inspected Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Loose, U - Upgraded, S - Serviceable

Service Center	Jet Link	Work Order No.	WON/4480CS/2019/0	Maintenance Log Section:	Airframe, Engine, Engine	Maintenance Log Page:	1/2
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 <b>DUNCAN AVIATION</b>	Reg #:	N480ES	Date:	17 Jul 2019
	Make:	Bombardier	Total Time:	26279
	Model:	Learjet 45	Landings:	1963
	Serial:	2097	Work Order:	6UPYA

**Upgrade EGPWS TDB**

1. Complied with Honeywell Service Information Letter Publication Number: D201 802000010. Updated Terrain Database version from 466 to 609. Work and testing performed IAW Honeywell Service Bulletin 965-0976/1690-34-125.
2. MARK V P/N: 965-0976-040-218-218, S/N: 22892

*The above described repair or maintenance is approved for return to service. Terminal details of this repair/maintenance are on file at this repair station under file # 1748 - 04-17-19*

Signed: Robert Fogarty *RF*  
 For Duncan Aviation CRB DWSR367X Phone: 651-209-8430 17JUL2019

WOW 463479 Date: 7/17/2019  
Reg# N480ES Aircraft SN: 45-2097  
ATI: 2827.9 ATC: 1963



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13601 Pioneer Trail  
Eden Prairie, MN 55347-2817

Airframe Log Entry

- \* Instructions for Continued Airworthiness
- \* Performed Annual ATIS5000 Annual Inspection using Elliott Aviation STC document KCA-3398-111 Rev. R. No discrepancies noted
- \* Performed Bi-Annual ICA inspection of VHF navigation and T-PED annual tolerance testing. No discrepancies noted. Inspected 2 PIN 2071 temps on VHF transmitter. Reference ICA document 055-2329-C01-00
- \* Maintenance Action
- \* Removed audio amplifier pin PA-7501-01-1, an 010600813. Installed modified audio amp pin PA-7501-01-1, an 100500143. See form 8130-3 dated 07-24-2018 from Goodrich Intercom Cabin Electronics Systems WOV N44K627A. Operation check satisfactory

I certify the Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Previous details are on file at this agency under WOW 463479

Signed  for Elliott Aviation of Minneapolis, Inc.  
David Nelson CRSA 10287029M

WOW 463479 Date: 7/17/2019  
Reg# N480ES Aircraft SN: 45-2097  
ATI: 2827.9 ATC: 1963



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13601 Pioneer Trail  
Eden Prairie, MN 55347-2817

Airframe Log Entry

- \* Inspection
- \* Performed Jet Linx Aviation Learjet model 45 AAMP Avionics Inspection Program section one.
- \* Performed Jet Linx Aviation Learjet model 45 AAMP Avionics Inspection Program section two
- \* Maintenance Action
- \* Performed Jet Linx Aviation maintenance preflight servicing checklist.

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Previous details are on file at this agency under WOW 463479

Signed  for Elliott Aviation of Minneapolis, Inc.  
David Nelson CRSA 10287029M

JL

Registration # N480ES  
Model # Learjet Model 40

Date: July 31, 2019  
Serial # 45-2097

Complied with Jet Linx Aviation Conformity Inspection in accordance with  
Conformity Inspection Guide.

From this day forward, Learjet Model 40 N480ES S/N 45-2097 shall be  
maintained under Jet Linx Aviation's 14 CFR Part 135 Approved Aircraft  
Inspection Program.

Signature:



Certificate # A&P 3359631

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**ALJETLIX**

**Maintenance Transaction Report**

ALJETA SYSTEMS, LLC  
 15899 Pines Road, Suite 100  
 Dallas, TX 75244  
 469-211-9495

Customer: **ALJETLIX**      Order No: **15899**

Accounting No: **15899**      Job No: **15899**      Order No: **15899**      Job No: **15899**      Order No: **15899**      Job No: **15899**

Customer Name: **ALJETLIX**      Job Name: **ALJETLIX**      Order Description: **ALJETLIX**      Job Description: **ALJETLIX**      Order Description: **ALJETLIX**      Job Description: **ALJETLIX**

Customer Address: **ALJETLIX**      Job Address: **ALJETLIX**      Order Address: **ALJETLIX**      Job Address: **ALJETLIX**      Order Address: **ALJETLIX**      Job Address: **ALJETLIX**

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8/6/19



WO# 463522 Date: 8/16/2019  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 26516 ATC: 1973



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- Maintenance Action
- \* Repworked port wing at the cabin WiFi router using wing instruction Doc D13601. Installed new ATGS9000 software 2.8.1 using service information letter P15025-008. Operation check satisfactory.
  - \* Removed Left landing gear door actuator pn 7469-1. LJ pn 683293003-003. sn 0938. Installed Repaired actuator pn 7469-1. sn 0505 referencing Learjet 40 maintenance manual 32-31-02. See 8130-3 dated 27Jul2018 from Bombardier Aerospace WO 20210584. Bled hydraulic system and operated landing gear. Operation satisfactory.
  - \* Removed #1 FMS pn 3017-41-221. sn 2256 and installed Modified UNS-1EW FMS pn 3017-41-221. sn 1023. Updated configuration and WAAS antenna data. Operation satisfactory. Loaded new navigation data base. Expiration date 12/sep/19. See form 8130-3 dated 08/AUG/2019 from Universal Avionics Systems Corporation WO 19R39606

I certify this Airframe the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. Permanent details of the work performed are on file at this office.

Signed  Jeff Spenberg

for Elliott Aviation of Minneapolis, Inc.  
CRS# KXSR005N



WOP 483531 Date: 8/20/2019  
Regd# N480ES Aircraft SN: 45-2097  
ATT: 2851.6 ATC: 1973




Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2817

Airframe Log Entry

Maintenance Action  
\* Performed detailed visual inspection of left and right fuselage and ice bite assemblies referencing Learjet 40 maintenance manual 30-20-000  
# Removed burner Universal UNS-1EV/FMS pn: 3017-41-221 and 1073 installed Replaced Universal UNS-1EV/FMS pn: 3017-41-221 and 2296. See form  
# 8130-3 dated 26AUG19 from Universal Avionics System Corporation. WO19M41853 installed current new database cycle 1000-4-22-1910 was  
effective 8-12-19 to 10-01-19 Final operational check good

I certify this Airframe has above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and Jet Lyra Aviation's Approved Aircraft Inspection Program and is approved for return to service. Particular details of the work performed are on page 3 of this body.

Signed  for Elliott Aviation of Minneapolis, Inc.  
CRISA KJ28003N

WO# 463374 Date: 9/13/2019  
Reg# N480ES Aircraft SN: 45-2097

ATI: 2659 0 ATC: 1980



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- \* Maintenance Action
- \* Removed RH OIA main wheel P/N 3-1545-1 SN 2843 and installed overhauled wheel/assembly P/N 3-1545-1 SN 2444, tire SN 60522576
- \* Wheel/assembly overhauled by Aircraft Specialists Inc under W/O 151196 dated 7/31/2019. Replaced RH 1B tire with new P/N 228K08-4 SN 81642688. Performed eddy current inspection on wheel P/N 3-1545-1 SN 2650 in reference to Goodrich CMM 32-46-72
- \* Completed riblet valve cleaning procedure for RH BRSDV in reference to Lear 40 maintenance manual 35-10-02. Operation of system satisfactory on ground run up.

I certify this Airframe the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. Permanent details are on the under the referenced work order.

Signed Jeff Solberg for Elliott Aviation of Minneapolis, Inc. CRSE# KXSR005H Page 1 of 1

WOF 453524 Date: 10/10/2019  
Reg# N480ES Aircraft SN: 45-2097

ATT: 2666 8 ATC: 1987



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2517

**Maintenance Action**

\* Performed engine DEEC download using Honeywell e-engine interface program. Code 237 buffers bleed message no other faults. Verified vent check EDS message cleared from ECAS message window. Work completed in reference to Honeywell Light maintenance manual TFE 731-20 4050600 fault isolation chapter 72-00-00 subtask 72-00-00-810-006-A01

I certify that Airframe the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Linx, America's Approved Aircraft Inspection Program and is approved for return to service  
for Elliott Aviation of Minneapolis, Inc.  
C/ISS# KX338092W

Signed  Jeff Soderg



JETLINX



BOEING

# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sonly For Bombardier Learjet 40

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA 68144  
402-315-1026

Serial No

45-2097

Engine 1

P-11694BC

Engine 2

P-11694TC

## Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No.	Date	Hrs	Log	Airframe	ACH	Hrs	Eng#1	Eng#2
45-2097	N480ES	11-Nov-2019	2,678.8	1,996					

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No.	Type	Item Name	Position	Inspected Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Inspected	TSX Inspected Part	Mac Cost	Man Hours
2015-10-02	1	AD	Zodiac Seats France Passenger Seat Assemblies (This AD replaces AD 2014-20-11) (Effective Date: 12-Jun-2015)									1
Compliance note: Zodiac seats not installed. MOC Not Applicable												
2015-10-02	2	AD	Zodiac Seats France Passenger Seat Assemblies - Repetitive Inspection									1
Compliance note: Zodiac seats not installed. MOC Not Applicable												
2015-10-02	3	AD	Zodiac Seats France Passenger Seat Assemblies - Corrective Action - Replace Cracked Link									1
Compliance note: Zodiac seats not installed. MOC Not Applicable												
2015-10-02	4	AD	Zodiac Seats France Passenger Seat Assemblies - Replace Seat Backrest Links									1
Compliance note: Zodiac seats not installed. MOC Not Applicable												

### Legend

Task Type: PM Component Ins. Inspection, SE Service Bulletin, AD - Airworthiness Directive, Sag - Snag Log - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service W - Warn, O - Other/Convenience

Work Performed By	Technician	Inspector	Fill Inspector	Work Order No	Maintenance Log Section	Airframe Section	Maintenance Log Page	Maintenance Log Page	Permanent Aircraft Record - File in Maintenance Log
	C. John Stuard								

Signed

APR 20 2019

Date 11/11/19

Form number 10000001

Aviation Compliance Department



Elliott Aviation of Minneapolis, Inc  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347  
 FAA CRS# KXSR005N

Non-Destructive Testing Report

Customer	Location		Aircraft Component Serial #		Part Number
JM Line	Plym Cloud Airport		453097		1112018
Aircraft Component Make	Aircraft Model/Component P/N		49		NADES
ACTC	WOB	453097	Square #	1105, 1112	Project Manager
Type of Examination	UT	MT	PT	Examination Standard	Exam Number
Description of Service Performed			Service Bulletin/AD Reference		
Completed magnetic particle inspection on LH and RH MLG shock strut actuator pin IAW Learjet 40 Series NDT Manual Part 7.23.10-02 MAR 2706.					
Completed magnetic particle inspection on LH and RH MLG actuator side brace upper attach pins IAW Learjet 40 Series NDT Manual Part 7.23-00-01 MAR 2706.					
No positive indications noted at this date					
Maintenance Manual Reference					
ET	Equipment	SM	Cal Due	Probe Type	Test Block / Serial #
UT	Equipment	SN	Cal Due	Couplant Type	Sensitivity Level
UT	T-Wave Transducer	Shear Wave Transducer		Technique Description	
MT	Equipment	SN	Cal Due	Dry	Visible
AC	Magnaflux AD 845	Head Ampex Co	1-8-9-20	WV	Fluorescent
DC	1000-1500 coil			Deneg	Yes
					No
PT	Preparant	Type	Sensitivity Level	Dwell Time	Method
	Batch:	Visible	1		A, B
		Fluorescent	2		C, D
	Cleaner	Postclean	3		
	Batch:	Emulsifier	4		
		Type:			
		Batch:			
Item Part #	Accept / Reject	Remarks	Item Part #	Accept / Reject	Remarks
LH and RH MLG shock strut actuator pins		SM LH H2704, RH H2446			
LH and RH MLG actuator side brace pins		SM LH H2656, RH H2967			
Technician: Mark Reiser					

I certify that the suspected items as listed have been examined in accordance with applicable NDT requirements and have been found directly with respect to the examination performed.

Signed: Mark Reiser CRS# KXSR005N Date: 11/1/2019



U.S. Department  
of Transportation  
Federal Aviation  
Administration

Compliance & Airworthiness Division  
Wichita ACO Branch  
1801 Airport Road, Room 100  
Wichita, Kansas 67209

November 12, 2019

In Reply, refer to: 7K0-19-13184

Mr. Anthony Boatwright  
Director of Maintenance  
Jet Linx Aviation, LLC  
13030 Pierce St. Suite 100  
Omaha, Nebraska 68144

Subject: Main Landing Gear Actuator Pin Life Extension

Reference: 1) Bombardier Letter of No Technical Objection, SDFC #362928, dated October 30, 2019  
2) Email from Lincoln FSDO to Wichita ACO, dated November 7, 2019  
3) Learjet Model 45-2097 (N480ES)

Dear Mr. Boatwright:

We have reviewed your request for a life limit extension on the referenced aircraft due to a lack of part availability. This letter approves a one-time compliance time extension from 96 months to 99 months for the parts identified on Bombardier's letter of no technical objection on the reference aircraft only.

This approval is not transferrable. Before using this one time extension, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

If you have any questions regarding this extension, please contact Tara Shawn at [tara.shawn@faa.gov](mailto:tara.shawn@faa.gov) or (316) 946-4141.

Sincerely,

Linda J. Dicken  
Manager, Airframe & Delegation Section  
Wichita ACO Branch

Enclosures: Bombardier Letter dated 10/30/19 to Elliott Aviation from Mr. Green  
cc via email: Richard Love, Lincoln FSDO  
Gary Carson: [gary.carson@aero.bombardier.com](mailto:gary.carson@aero.bombardier.com)

3. Form Tracking Number: 2

Proposed Date:

October 30, 2019

Randall Borgerding  
Director of Maintenance  
Elliott Aviation  
Eden Prairie, MN USA

SDFC: 362928  
Subject: 45-2097 Main Landing Gear Actuator Pins

Please accept our apologies for the situation with MLG Actuator Pin parts. We're working with the supplier in an all hands effort to move the parts delivery date closer.

In the interim, we have no technical objection to extending the life of the existing pins 3 months. The part number in question is 200-0325-101 and the associated IIRN is T3220014. Given that the task listed below is a single asterisk task, this recommendation should be forwarded to your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office who will coordinate with the Wichita ACO Branch Program Manager, Mr. Ben Tyson, [Ben.tyson@faa.gov](mailto:Ben.tyson@faa.gov), phone number (316) 946-4174.

Inspection/IIRN	When Is It due	Extension	New due Interval
T3220014	November 30, 2019	3 months	February 29, 2020

Current data has the aircraft at 2,676.8 hours and 1,996 landings. All other inspection checks and maintenance requirements for continued airworthiness should be performed at the published times, landings or cycles as specified in Chapter 5 of the Learjet Maintenance Manual.

*Digitally signed by Jeffrey Green  
DN: cn=Jeffrey Green, o=Boeing  
Manufacturer Program,  
ou=Boeing Commercial Airplane  
Operations, c=US  
Date: 2019.10.29 09:24:51-0700*

Jeffrey S. Green  
Technical Specialist  
Learjet Maintenance Programs  
Bombardier Aviation  
[jeffrey.green@aero.bombardier.com](mailto:jeffrey.green@aero.bombardier.com)

This e-mail and any files transmitted hereunder are confidential and intended only for the individual named. If you have received this e-mail in error, please notify the sender immediately by e-mail. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake.

**BOMBARDIER**

1. Approver: Civil Aviation

2.

3. Form Tracking Number:



WOW 463615 Date: 11/11/2019  
Reg# N480ES Aircraft SN: 45-2097

ATI: 2676 B ATC: 1996



Airframe Log Entry

Elliott Aviation of Minneapolis, Inc  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

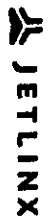
- \* Inspection
- \* Complied with phase A1-A6, phase C1-C6 check's using checklists from Learjet maintenance manual 105 rev 40 dated 04/29/2018
- \* 3220147- Complied with left hand and right hand main landing gear turnon shoe pin visual inspection. No defects noted. Reinstalled left hand and right hand main landing gear upper and lower pins in accordance with aircraft maintenance manual 32-23-101
- \* 3220038 Complied with left hand and right hand main landing gear lower actuator pin replacement. Installed new left hand pin pn 300-0217-101 JN HEROU5092 and new right hand pin pn 300-0217-101 JN HEROU5199 in accordance with aircraft maintenance manual 32-31-01
- \* 3220024- Complied with magnetic particle inspection on the left and right main landing gear actuator upper and lower pins in reference to Learjet 40 series NDI manual part 7 32-16-02, 32-36-01. No positive indications noted
- \* 3220135- Complied with Detailed visual inspection of left hand and right hand main landing gear actuator upper and lower attach pins pn 300-0217-101 and 300-0235-101 in accordance with aircraft maintenance manual 05-18-00. No defects noted
- \* Complied with JBN T3220007, Borescope inspection of MLG saddle beam assembly. Inspected left and right MLG saddle beams. reference Learjet 40, MM section 32-10-01. No defects noted
- \* 3220014-Removed BEL MLG actuators upper attach pins for NDI inspection. Completed NDI of pins. Reinstalled left MLG upper pin P/N 200-0235-101 S/N H2664 in JAW AAM 32-31-01. Reinstalled right MLG upper pin P/N 200-0235-101 S/N H2667 JAW AAM 32-31-01. Ref Bombardier letter SOPC 26228 and NDI report dated 11-1-18. Pin replacement antedated 3 months new replacement date is 02/22/2020
- \* 5310091- Complied with detailed visual inspection of horizontal stabilizer hinges with reference to Learjet 40 maintenance manual 5-13-02
- \* Service Bulletin
- \* Complied with Bombardier service bulletin 40-26-06, Hydraulic power- Eaton hydraulic pump sealing screw inspection. No discrepancies were noted
- \* Complied with Bombardier Learjet 40 SB 40-53-11, leakage lower quadrant bulkhead fastener inspection
- \* Complied with Bombardier service bulletin 40-57-06 wing spar inspection. No corrosion found at this time
- \* Maintenance Action
- \* Replaced HF antenna wire forward shackle pin (SARAK00-21, antenna wire pn 4323188501-003, adapter seal pn 504RB000C and sleeve pn 13355 in reference to Lear 40 completion manual 23-12-04
- \* Replaced left hand and right hand flap nose rollers. Installed 8 new rollers pn KRPT70405VT. In reference to Learjet maintenance manual 27-50-01
- \* Removed left hand brake hose pn 6632401001-023 JN 1878. Replaced with new brake hose pn 6632401001-023 JN 3118. Reference Learjet 45 maintenance manual 32-41-09. Performed horizontal check of left hand brake hose with reference to Learjet 45 maintenance manual 32-41-09 hydraulic hose releases 7 0F-1 02. Ancillary checked good
- \* Removed lower rod end pn 131766-4M from right hand nose landing gear door. Installed new lower rod end pn 131766-4M on right hand nose landing gear door. Work performed referencing aircraft maintenance manual 32-81-102
- \* Replaced left outboard squat switch actuator link with new pn 672006-EM and checked rigger in reference to Lear 40 maintenance manual 32-60-09
- \* Installed new bolts pn N455007-440 and bushings pn VAS727E004 in right hand and left hand flap inboard track attach points in accordance with aircraft maintenance manual 27-50-01

I certify the Airframe Log Entry above is true and correct and / or inspection was performed in accordance with current regulation of the Federal Aviation Administration and / or Jet Fuel Aviation's Approved Aircraft Inspection Program and is approved for return to service

Signed  Jeff Solberg for Elliott Aviation of Minneapolis, Inc.  
CRSR KXSR003N

1. Approving Civil Aviation

3. Form Tracking Number:



Serial No  
45-2097

This Maintenance Transaction Report is To Be Sonly For Bombarrier Learjet 40  
Engine 1 Engine 2

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1026

### Maintenance Transaction Report

#### Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	LDG	ACH	Hrs	Eng#1 Enc	Hrs	Eng#2 Enc
45-2097	N480ES	04-Nov-2019	2,878.8	1,996					

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Max. Code	Min. Hours
219001	1	Ins	A/C Hobbs Meter Update (NON GROUNDING)								0.5
Compliance note: Verified A/C hobbs meter to read 110.4.											
260000	2	Ins	Cabin & Cockpit Fire Extinguisher Visual Inspection								1
Compliance note: Completed visual inspection of handheld fire extinguishers.											
26-CUS-003	3	Ins	Portable Hand-Held Fire Extinguisher - Annual Maintenance								0.5
Compliance note: Completed yearly inspection requirements of Pilot portable fire extinguisher.											
26-CUS-003	4	Ins	Portable Hand-Held Fire Extinguisher - Annual Maintenance								0.5
Compliance note: Completed yearly inspection requirements of Copilot portable fire extinguisher.											
ATM0000	5	Ins	Verify revision status of AFM								0.5
Compliance note: Verified AFM is at revision 4 and is installed.											

#### Legend:

Ins - Inspection, S - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service, W - Work, O - Other/Convenience

Work Order No.	WO/N480ES/2019/1	Maintenance Log Section	Airframe	Maintenance Log Page	1/1
Service Center	Strand C John (AKP)	Inspector	Inspector	Fill Inspector	

Work Performed By Technician: Strand C John (AKP) 7884145

Work Order No.: 1/006

Signature:

Date: 11/4/19

Signature: Strand C John

Permanent Aircraft Record - File in Maintenance Log

**Work Order Detail**

DCS V700P91Y  
Telephone: 561 689-1390  
E-Mail: OCSUSA@GAMAaviation.com



Item: 2 Scheduled

**Resolution:**

Aide Jacked RH HLG. Removed RH outboard main wheel assembly ensuring bearings to remain contamination free. Visually inspected HLG wheel assembly, bearings and races with no obvious defects noted. Visually inspected axle with no defects noted. Removed wheel spacer and disassembled. Removed deflators RH OB HLG Brake Assembly (PN: 2-1579-2, SR: 2192). Capped RH HLG Brake Line. Removed original Brake Line and Swivel Fitting from deflators brake assembly. Removed and discarded O-Ring and installed new O-Ring (PN: H834512-906) onto wheel flange. Installed original swivel fitting onto replacement brake assembly. Installed CUSTOMER SUPPLY END "OVERHAULED" RH HLG OUTFBOARD Brake Assembly (PN: 2-1579-2, SR: 098453). Selected Swivel Fitting and reconnected Brake line to swivel fitting. No defects noted. Re-installed original wheel spacer, bearings and RH OB HLG Wheel Assembly. No defects noted. Complied with RH OB Brake Bleeding procedure with no defects noted. Verified satisfactory operation of the newly installed RH OB Brake Assembly with satisfactory leak check. No defects noted. Removed axle jack from RH HLG. No defects noted. Serviced hydraulic reservoir to full with 5606 Hydraulic fluid. No defects noted. All work performed JAW Lead: 40 H4 32-41-01, 32-40-02, and 12-10-01.

Torque Wrench ID# 91543, Oil Duct: 04/04/20

Signed Off: 28-Dec-2019 By: Craig Swenberg

Inspector: 28-Dec-2019 By: Daniel Warner

Step: 1 Description: Pkts requested to take removed Brake Assembly back with them. Packaged and gave Pkts Brake Assembly (PN: 2-1579-2, SR: 2192)

Signed Off: 28-Dec-2019 By: Craig Swenberg

Inspector: 28-Dec-2019 By: Daniel Warner

Item: 3 Unscheduled

Item: 4 Accomplish Final Inspection

Step: 1

Resolution: Review RQC and/or RII Requirement Release for Compliance. Ensure all Operational, Functional, or MDT tests are performed per the instructions required by the maintenance manuals for the job being completed and that they are performed by Qualified Personnel, and properly recorded.

Resolution: No RQC/RII required.

Signed Off: 28-Dec-2019 By: Daniel Warner

Discrepancy: Accomplish Final Inspection

Resolution:

1 certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Line.

Avalon's Approved Aircraft Inspection Program and is approved for return to service.

Signed Off: 28-Dec-2019 By: Daniel Warner

This is to certify that the above work has been performed on this aircraft/engine/appliance in accordance with the current Gama Aviation-Engineering, Inc. FAR 145 Repair Station manual, all manufacturer's instructions, manuals and current FAA applicability regulations. This aircraft is approved for return to service with respect to the work performed. GRS# V700P91Y, 3867 Southern Boulevard, West Palm Beach, FL 33406.

Signed: (710) Date: 12/29/2019

\* End of Report \*

1. Approving (I)AV Aviation

2

3. Form Tracking Numbers:

**Work Order Detail**

**Gamma Aviation**

CRSA WQ0049117  
 Telephone: 561 689-1390  
 Email: OC.USAB@GammaAviation.com

3rd Line Aviation  
 1320 Brent St, ST 100  
 Orange, Virginia 22654  
 United States

3rd Line Aviation  
 1320 Brent St, ST 100  
 Orange, Virginia 22654  
 United States

Part Number	Part Description	Part Quantity	Part Unit of Measure	Part Status
448	LABOR	1	PER HOUR	ACTIVE
2,722.6	LABOR	2,722.6	PER HOUR	ACTIVE
28-Dec-2019				
SV-31578-84400ES				
WOP P#1-77684				

**Issue: 1** Accomplish incoming inspection  
 Discrepancy: Accomplish inbound/preliminary inspection  
 Resolution: Concluded with inbound/preliminary inspection with no defects noted.  
 Signed Off: 28-Dec-2019 By: Daniel Warner

**Issue: 2** Scheduled  
 Discrepancy: Prepare and gather tooling for road trip as required  
 Resolution: Prepared and gathered tooling for road trip as required  
 Signed Off: 28-Dec-2019 By: Craig Swenberg

**Squawk: 1**  
 Discrepancy: Prepare and gather tooling for road trip as required  
 Resolution: Prepared and gathered tooling for road trip as required  
 Signed Off: 28-Dec-2019 By: Daniel Warner

**Squawk: 2**  
 Discrepancy: Road Trip Travel & Expenses  
 Resolution: Labor has been added for road trip travel expenses.  
 Expenses for (Craig) (Swebenberg) :  
 Travel from <KPH> to <RNC> - travel time: 3.5 hrs  
 DATE travel to destination: 12/28/19  
 Return Travel from <RNC> back to <KPH> - travel time: 3.5 hrs  
 DATE travel back to home base: 12/28/19  
 Total travel time: 7.0 hrs  
 Labor has been added for road trip travel expenses.  
 Expenses for (Daniel) (Warner) :  
 Travel from <KPH> to <RNC> - travel time: 3.5 hrs  
 DATE travel to destination: 12/28/19  
 Return Travel from <RNC> back to <KPH> - travel time: 3.5 hrs  
 DATE travel back to home base: 12/28/19  
 Total travel time: 7.0 hrs  
 Mileage @ 0.58 : 340 miles = \$197.2

**Squawk: 3**  
 Discrepancy: Signed Off: 28-Dec-2019 By: Craig Swenberg  
 Resolution: Inspected  
 Signed Off: 28-Dec-2019 By: Daniel Warner  
 Discrepancy: Clean up / Process expense report for road trip as required  
 Resolution: Cleaned up / Processed expense report for road trip as required  
 Signed Off: 28-Dec-2019 By: Craig Swenberg  
 Inspector: 28-Dec-2019 By: Daniel Warner

**Squawk: 4**  
 Discrepancy: R/H brake assembly is missing from a pack area.

Aircraft Registration N460DS	Serial Number 45-2097	Aircraft Model LEAR 45	Work order P/O-77684	Page 1 of 1
Aircraft Total Time 2722.5	Aircraft Total Landings 2032	Date DEC-28-2019	Airframe Logbook Entry	

- Removed and Replaced R/H Outboard Brake Assembly Overhauled by Accessory Aero Group LLC under Certificate Number 6RGR12DVE/ASA145.6765 WO 4938 on 16 AUG 2019 and complied with ops checks and bleeding procedures with no defects noted and leak check satisfactory IAW Learjet 40 MM 32-41-01.

Part Name	P/N OR 2-1579-2	SN OR 2192	P/N OR 2-1579-2	SN OR 08R45B	Status Overhauled
Brake Assembly	2-1579-2	2192	2-1579-2	08R45B	Overhauled

I certify, the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Liax Aviation's Approved Aircraft Inspection Program and is approved for return to service.

The above maintenance performed on this airframe/engine/appliance was performed in accordance with the Gamma Aviation Engineering, Inc. CRS 145 Repair Station Manual, all manufacturer's manuals, instructions, all manufacturer's instructions, manuals and current FAA's. This aircraft is approved for return to service with respect to the work performed.

  
 Signature CRS VYQD491Y

Type and Certificate Number



MA

Serial No

45-2097

Aircraft

Engine 1

Engine 2

P-116947C

402-315-1026

# Maintenance Transaction Report

The Maintenance Transaction Report is To Be Solved For Bombardier Learjet 40

Jet Linx Aviation, LLC

1900 Pierce Street, Suite 100  
Omaha, NE USA, 68144

## Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	HRs	Log	Airframe	ACH	HRs	Eng#1	Eng	HRs	Eng#2	Eng
45-2097	N480ES	06-Jan-2020	2,733	2,036								

**Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished**

Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Lot Code	Man Hours
74-08-09 R3	1	AD	Equipment/Installings - Equipment/Installings - proper disposal of smoking materials in lavatory waste receptacles (Effective Date 28-Mar-2012)									

Compliance note Complied with AD74-08-09R3 para (b) by inspection. No defects noted. Next due at 3733. MOC Complied With

### Legend:

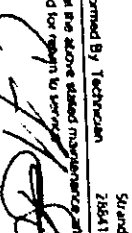
Tab Types: PH Component Ins. Inspection SA Service Bulletin AD Airworthiness Directive Sng Snag Pkg Package

Reasons for Removal: D - Damaged; E - Expiration; F - Failure; L - Leaker; P - Swap; S - Service; W - Work; O - Other/Conformance; Installed Part Status: N - New; D - Overhauled; R - Required; I - Inspected; U - Upgraded; S - Serviceable

Service Center	Work Order No.	Maintenance Log Section	Maintenance Log Page
Strand, C John (A&P)	WON24805/2020/0	Airframe	1/1

Work Performed By: Technician 21651453 Inspector: Strand, C John (A&P)

Work performed by technician 21651453 and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is required for return to service.

Signed:  Date: 1/6/20

Permanent Aircraft Record - Fee In Maintenance Log

Work Order Number: 21651453

Service Report

IN AIR

October 02, 2019

3. Form Tracking Number:

8225 Curry Club Place  
Indianapolis, Indiana 46214  
United States  
FAA Repair Station 10V8072L  
Fed ID:

Telephone: 317-271-0195

Fax: 317-271-0345

Web Site:

Work Order: 1 REP-536

Title: ELLIOTT AVIATION  
Department: Ind Repair

Manufacturer: Honeywell Aerospace  
Part Number: 701430-901  
Revision:

Component: DISPLAY UNIT  
Serial Number: 01099313  
Aircraft Tail Number: N/A

Model Number:

Completed: 10/01/2019

By: Michael Israel (MISRAEL)

Squawk: 7

Discrepancy: Perform calibration and/or reconfiguration

Revised/On: Calibrated Unit  
Signed Off: 10/01/2019  
Completed: 10/01/2019  
By: Anthony Venus (AVANUS)  
By: Anthony Venus (AVANUS)

Squawk: 8

Discrepancy: Final Inspection  
Revised/On: Work complete. Replaced, inspected and approved for return to service. Completed Mod M JAW  
Signed Off: RSM-2018-04-01801  
Inspected: 10/02/2019  
Completed: 10/02/2019  
By: Anthony Venus (AVANUS)  
By: Michael Israel (MISRAEL)

Squawk: 9

Discrepancy: Work to be performed JAW current OPM  
Revised/On: All work performed in accordance with OPM A09-1147-043, Revision 7, Dated 2/8/2019.  
Signed Off: 10/01/2019  
Completed: 10/01/2019  
By: Anthony Venus (AVANUS)  
By: Anthony Venus (AVANUS)

MAINTENANCE RELEASE

The article identified above is airworthy with respect to the maintenance, preventive maintenance, or alterations performed and is approved for return to service.

TECH: Anthony Venus (AVANUS)

INSPECTOR:

Michael Israel (MISRAEL)

DATE: 10/02/2019

for INAV Aviation Services Company 10V8072L



October 02, 2019

8233 County Old Place  
Indianton, Indiana 46214  
United States  
FAA Repair Station: K08072L  
Fed ID:

Telephone 317-271-0195

Fax 317-271-0345

3. Form Tracking Number:

Work Order: 1 REP-5286 Title: ELLIOTT AVIATION  
Customer: ELLIOTT AVIATION Department: Isp Repair  
Address: SHIPPING Contact Name: Irvy, QIM99  
WH171-NEW AND USED AVONICS Invoice #: 10/02/2019  
EQUIPMENT Date Closed: 10/02/2019  
6601 74TH AVENUE BLDG A Job #:  
MILWAUKEE, INDIANA 46214  
United States

Customer Request: REPAIR (NEEDS NOSH) CAME IN A BOX WITH BOM, PLEASE BENCH CHECK AND RECTIFY, QUOTE APPROVAL  
REQUIRED.

No customer write up, recommend complying with MOD H, AS41 CCA C08 and AS42 CCA C09 operators are balancing and need to be replaced.

This is considered a major repair.

Incoming mod status A-L, M-T.

Manufacturer: Honeywell Aerospace Component: DISPLAY UNIT  
Part Number: 7014300-001 Serial Number: 01089933  
Revision: N/A Aircraft Tail Number: N/A Model Number:

Synoptic 1 Discrepancy: Perform incoming inspection at receiving.

Resolution: Performed incoming inspection.  
Signed On: 09/10/2019 By: Samantha Williams (SWILLIAMS)  
Completed: 09/10/2019 By: Samantha Williams (SWILLIAMS)

Synoptic 2 Discrepancy: Perform preliminary inspection and bench check.

Resolution: Performed preliminary inspection and bench check.  
Signed On: 09/13/2019 By: Anthony Venus (AVENUS)  
Completed: 09/13/2019 By: Anthony Venus (AVENUS)

Synoptic 3 Discrepancy: Perform basic repair as noted in following squawks.

Resolution: Performed basic repairs as noted in following squawks.  
Signed On: 10/01/2019 By: Anthony Venus (AVENUS)  
Completed: 10/01/2019 By: Anthony Venus (AVENUS)

Synoptic 4 Discrepancy: Recommend complying with MOD H IAW RSM-2019-04-01801.

Resolution: Completed Mod H IAW RSM-2019-04-01801.  
Signed On: 10/01/2019 By: Anthony Venus (AVENUS)  
Completed: 10/01/2019 By: Anthony Venus (AVENUS)

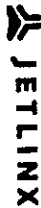
Synoptic 5 Discrepancy: AS41 CCA C08 and AS42 CCA C09 operators are balancing and need to be replaced.

Resolution: Replaced failed capacitors AS41 CCA C08 and AS42 CCA C09.  
Signed On: 10/01/2019 By: Anthony Venus (AVENUS)  
Completed: 10/01/2019 By: Anthony Venus (AVENUS)

Synoptic 6 Discrepancy: In Process Inspection Required.

Resolution: In Process Inspection completed. Approved for continued work.  
Signed On: 10/01/2019 By: Anthony Venus (AVENUS)  
Inspected: 10/01/2019 By: Michael Israel (MISRAEL)





# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Safety For Bombardier Learjet 40

MA  Aircraft Engine 1 Engine 2

Jet Linx Aviation, LLC  
13030 Pence Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1026

## Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No.	Date	His	Ldg	Airframe	ACH	His	Eng#1	Eng#2		
45-2097	N480ES	12-Feb-2020	2,742.3	2,046				Enc	Enc		
<b>Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished</b>											
Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed Part	Mat Cost	Man Hours
24411	1	PN	DU870 Display Unit	No.2	7014300-901		01089933	F	R		
Compliance note: Removed #2 display P/N 7014300-901, S/N 0710G726 and installed repaired unit P/N: 7014300-901, S/N 01089933 Work done in accordance with Lear MM-105, 31-60-01 Operations checks satisfactory.											
Off vendor part number: 7014300-901. Off serial number: Unknown											
Compliance note: Removed #2 display P/N 7014300-901, S/N 0710G726 and installed repaired unit P/N: 7014300-901, S/N 01089933 Work done in accordance with Lear MM-105, 31-60-01 Operations checks satisfactory.											

Legend: Reasons for Removal D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Swap, S - Service, W - Worn, O - Other/Convenience

Tab Types PN - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package	Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Leaker, U - Upgraded, S - Serviceable
Work Performed By Technician 28041451 Strand, C John (A&P)	Inspector Rll Inspector
Service Center	Work Order No.: W0N480ES/2020/0
Maintenance Log Section: Airframe	Maintenance Log Page: 1/1
Permanet Aircraft Record - File in Maintenance Log	

Form Tracking Number: 1

Date: 2/12/20

WOW 463848 Date: 2/25/2020  
 Reg# N480ES Aircraft SN: 45-2097

ATT: 2756 4 ATC: 2055



Airframe Log Entry

Elliott Aviation of Minneapolis, LLC  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

- \* Inspection
- \* Completed with yellow preflight inspection checklist
- \* Special Inspection
- \* Complied with windshield water repellent coating inspection in accordance with Lear Jet 40 Maintenance Manual 56-10-01 found to be in acceptable condition
- \* Complied with IRN A85710190 wing center section visual inspection in accordance with Lear Jet 40 maintenance manual 05-18-00 Page 14. No defects noted

- \* Overhaul/Replacement
- \* Removed upper RH gear actuator per P/N 200-0325-101 SN H2687, installed new RH main gear actuator upper per P/N 200-0325-101 SN HER04U5110A
- \* Removed upper LH gear actuator per P/N 200-0325-101 SN H2658 installed new LH main gear actuator upper per P/N 200-0325-101 SN HER04U5104A. Work done in reference to Lear Jet 40 maintenance manual 32-31-01 Gear functional check satisfactory

I certify that Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or FAR 175.101 Approved Aircraft Inspection Program and is approved for return to service

Signed [Signature] for Elliott Aviation of Minneapolis, LLC  
 CRSA KXSR005N

NEUF  R&E  R&O  Type d'avion 2745  
 NEW  R&O  A/C Type 2745  
 Project 200-0325-101 No. pieces client 8006497 Q16  
 No. piece 200-0325-101 Customer P/N 8006497 Q16  
 P/N 200-0325-101 Client LEAR JET  
 SN HER04U5104A Customer LEAR JET  
 Description PH, UPPER  
 Description LH - INSTALLATION  
 Remarques LH - INSTALLATION  
 F73231 Rev02  
 INSPECTEUR INSPECTEUR  
 03 FEB 2020

NEUF  R&E  R&O  Type d'avion 2745  
 NEW  R&O  A/C Type 2745  
 Project 200-0325-101 No. pieces client 8006497 Q16  
 No. piece 200-0325-101 Customer P/N 8006497 Q16  
 P/N 200-0325-101 Client LEAR JET  
 SN HER04U5104A Customer LEAR JET  
 Description PH, UPPER  
 Description RH INSTALLATION  
 Remarques RH INSTALLATION  
 F73231 Rev02  
 INSPECTEUR INSPECTEUR  
 03 FEB 2020

Exceptional by design

March 2, 2020  
Ref: 45-2097-000386134

John Strand  
Jet Linx Aviation - Omaha, NE  
13030 Pierce Street, Suite 100  
Omaha, NE 68144  
USA

Subject: RH Windshield Shatter (GKN) - Sierracin Replacement Requested  
Aircraft: 45-2097

John,

RH windshield 6656100001-002 shattered and is to be replaced. It is requested to install Sierracin windshields (6656100000-010) in lieu of the GKN windshield. Learjet engineering has reviewed the request and provides the following.

It is functionally and structurally acceptable to install the RH windshield as requested. Install the 665610000-010 RH windshield per AMM Chap 56-10. The trimmed interior panels and brackets are acceptable to remain as is. There will be a larger interior panel gap with the windshields, which is a cosmetic item only. No wiring modifications are required. The functionality of the windshields is the same. There is a weight difference. Record the aircraft weight and moment change for the RH Sierracin windshield as -8.9 lbs and -1838 inch-pounds. Installation is to be per AMM Chap 56-10-01 for Removal/Installation - Sierracin Windshield. Attaching hardware for the windshield is to match the IPC 56-10-10.

If you have any questions regarding this letter, please contact me at the e-mail or phone number listed below.

Sincerely,

  
Leon Joy

Engineering Specialist Sr  
T: +1 316.946.3281  
leon.joy@aero.bombardier.com

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Page 1 of 1

Learjet Inc.  
P.O. Box 7707  
Wichita, Kansas, USA, 67277-7707

**BOMBARDIER**

3. Form Tracking Number:

# BOMBARDIER


Aircraft SN: 45-2097	Aircraft TSN: 2762.7	Aircraft CSN: 2040	Date: 03-5-20
Model: Model 40	Aircraft Registration: N4882S		Page 1 of 1

Nomenclature	P/N	QTY	S/N	QTY	P/N	QTY	S/N	QTY	Status
Windshield, RH	6656100001-002		1168		6656100000-010		3788		New

**Complied With The Following Maintenance Items:**

Removed and Replaced Windshield, RH PN 6656100001-002 SN 1168 with New unit PN 6656100000-010 SN 3788 LAW LR40 MM 56-10-01 Rev 41 and Bombardier Engineering letter 45-2097-000386134 dated 03/02/2020. Ops and leak check good.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service and a detailed record is on file under: WO #: 231993

BENJAMIN WHISENAND		Date:	03/05/2020	FAA CRS#	LK2R981K
Leardt Inc., Wichita Service Center, One Leadjet Way, Wichita, Kansas, USA 67209-2942				CRS# LK2R981K	

3. Form Tracking Number:

Jet Linx Aviation AIP  
Learjet Model 40

**AVIONICS INSPECTION PROGRAM**

SECTION THREE

A/C MAKE: <u>LEARJET</u>	A/C MODEL: <u>40</u>
A/C SIN <u>2097</u>	# <u>N480ES</u>
TOTAL TIME: <u>2777.6</u>	TOTAL LANDINGS: <u>2075</u>

I certify Section Three of the JLAC Avionics Inspection Program has been accomplished and all applicable equipment was tested and/or inspected in accordance with the instructions contained in the JLAC Avionics Inspection Program and the aircraft/ equipment manufacturer's maintenance procedures and is/are approved for return to service as airworthy.

W.O. #: 7DNJA Date: 4/24/2020

Work Performed by: [Signature] (signature)

Certificate type and number: CRS DX\$R46ZX

Work Inspected by: [Signature] (signature)

Certificate type and number: CRS DX\$R46ZX

I have inspected the aircraft and have determined that all materials used to block or plug the pitot/static system have been removed and the system is free and clear of all obstruction.

Technician: [Signature] DUCK  
01183 Date: 4/24/2020

Certificate: CRS DX\$R46ZX

Jet Linx Aviation AIP  
Learjet Model 40  
**AVIONICS INSPECTION PROGRAM**

SECTION THREE  
TO BE PERFORMED EVERY 24 MONTHS

ITEM	DESCRIPTION	PASS	FAIL	N/A
1.	<p>Perform Allimeter Systems test per FAR 91.411 IAW Part 43, Appendix E and Learjet Model 40 Maintenance Manual MM-105 using calibrated ground test equipment, with an accuracy of <math>\pm 0.003</math> in. HG <math>\pm 0.1</math> mbar <math>\pm 25</math> feet or better.</p> <p>Pilots System: Date Complete: <u>4/24/2020</u> Date Due: <u>4/30/2022</u></p> <p>Co-Pilots System: Date Complete: <u>4/24/2020</u> Date Due: <u>4/30/2022</u></p> <p>Remove all moisture resistant paper, tape, or other means used to block stake ports and tubes during test.</p> <p>Name: <u>FRANK BLAZERNA</u> Certificate: <u>CRS DXXXX67X</u></p>	✓ PILCEN 01/20		
2.	<p>Perform Transponder test per FAR 91.413 IAW Part 43, Appendix F.</p> <p>Complied with.</p> <p>#1 System: Date Complete: <u>4/24/2020</u> Date Due: <u>4/30/2022</u></p> <p>#2 System: Date Complete: <u>4/24/2020</u> Date Due: <u>4/30/2022</u></p>	✓ DUCKIN 01/20		



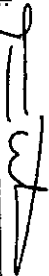
# DUNCAN AVIATION

Reg #:	N408ES	Date:	24-Apr-2020
Make:	Leavel	Total Time:	2777.6
Model:	45	Landings:	2075
Serial:	2097	Work Order:	70NNVA

## A) 24 Month RVSM Inspection/Certification of the Aircraft Static Pressure and Transponder Systems:

- 1) The ADC, Altimeter, and static pressure system Tests and Inspections and automatic pressure altitude reporting system required by Title 14 CFR 91.411 and the ATC Transponder Test and Inspection required by Title 14 CFR Part 43, Appendices (E) and (F), with Title 14 CFR Part 43, Appendices (E) and (F).
  - 2) Performed RVSM Inspection items per Learjet 40 Maintenance Manual 05-19-02.
    - a) MS411052 - Primary Pilot Static Probes - Verify pitch, roll and yaw alignment (34-11-01).
    - b) U3411060 - Air Data System - Perform Functional Test (34-17-00).
    - c) L3411062 - Pilot Static Probe - Perform detailed visual inspection (34-11-01).
    - d) MS240004 - Avionics Access Doors - Perform avionics door gap and mismatch inspection (52-40-01).
    - e) NS313001 - Forward Fuselage Skin - Perform pilot static probe zone skin contour check (53-00-01).
  - 3) All units and systems Tested to 51,000 feet and found to meet the continued RVSM certification requirements per Learjet 40 Maintenance Manual RVSM Inspection 05-19-02.
    - a) #1 ADC AZ-950 P/N 7030700-71704, S/N 07101667.
    - b) #2 ADC AZ-950 P/N 7030700-71704, S/N 07101669.
    - c) Standby Altimeter P/N 7634208001-003, S/N 172243B.
    - d) #1 Integrated Comm/Transponder RCZ-833M P/N 7510733-666, S/N 0708B631.
    - e) #2 Integrated Comm/Transponder RCZ-833M P/N 7510733-666, S/N 0704B374

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Federal Aviation Regulations, and is approved for return to service. Performed details of this repair/maintenance are on file at this repair station under Form Order # 70NNVA.

Signed:    
 Greg A. USA  
 ATISS

24-Apr-2020  
For Duncan Aviation CRS DXSR467X Phone: 651-209-8430

WOM 463900 Date: 4/28/2020  
Reg# N480ES Aircraft SN: 45-2097  
Hobbs: ATT: 2777 6 ATC: 2075




Airframe Log Entry

Eliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- \* Inspection
- \* IRN T532186 - Complied with 12 year inspection of external skin cut outs / penetrations in reference to Learjet 40 Maintenance Manual 5-10-00
- \* 000020 - Complied with 10 day Jet Linx Aviation preflight checklist
- \* Complied with emergency battery capacity check on P/N RC-443 S/N 40954355 Battery passed at 91% in reference to Learjet 40 Maintenance Manual 54-32-01
- \* 72431095 Complied with battery cables and receptacles inspection in reference to Learjet 40 maintenance manual 24-31-02
- \* IRN2720030 - Complied with Rudder torque tube and sparde detailed inspection in reference to Learjet 40 maintenance manual 27-20-01 R0 discrepancies noted
- \* Overhaul/Replacement
- \* Complied with replacement of main hydraulic lines with new P/N M88156-10 in reference to Learjet 40 maintenance manual 27-10-03
- \* Maintenance Action
- \* Removed left phenom assembly check valve p/n 682100000-037 s/n 3616 installed new check valve p/n 682100000-037 s/n 4770 with new gasket p/n 7521202021-003 in reference to Learjet 40 maintenance manual Chapter 21-20-09

I certify the Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service

Signed  Richard Kenneman  
for Elliott Aviation of Minneapolis, LLC  
CRSF KXSR05SN Page 1 of 1



WOW 463972 Date: 5/6/2020  
Reg# N480ES Aircraft SN: 45-2097

ATT: 2788.4 ATC: 2084



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

Service Bulletin  
\* Task: Z5210053 Complied with by compliance of SB 40-52-11 basic issue dated Dec-2017. Removed main cabin door crew exterior door handle and replaced with new door handle assembly and ramp kit p/n ARS1410-1 referencing SB 40-52-11 instructions and Lear 40 maintenance manual 25-20-55 and 52-10-02. Operational test satisfactory.

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or approved Aircraft Inspection Program and is approved for return to service.

Signed [Signature] for Elliott Aviation of Minneapolis, LLC Page 1 of 1  
CHSA K238055N



MA

Serial No

45-2087

# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Used For Bombardier Learjet 40

Engine 1

Engine 2

Jet Line Aviation, LLC  
13039 Piper Street, Suite 100  
Omaha, NE USA 68144  
402-315-1026

## Aircraft Identification and Status

Airframe

Eng#1

Eng#2

Aircraft Serial No  
45-2087

Aircraft Reg No  
N48085

Date  
31-Mar-2020

HTA  
2784.4

Ldg  
2084

A/CN  
P-118947C

HTA  
P-118947C

HTA

Eng#1

Eng#2

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Inst	Instal Serial Number	Reason for Removal	Instal	TSX Instal Part	Instal	Instal	Man Hours
03510006	1	PN	Crew Oxygen Mask	Pilot	MAC10-15-166	87005		E	0				0
Compliance note: Removed O2 mask P/N: MAC10-15-166, S/N: SE13905 and installed overhauled mask P/N: MAC10-15-166, S/N: 87005.													
Compliance note: Removed O2 mask P/N: MAC10-15-166, S/N: SE13905 and installed overhauled mask P/N: MAC10-15-166, S/N: 87005. Off vendor part number: MAC10-15-166. Off serial number: SE13905.													
Compliance note: EROCS Crew Oxygen Mask - Comply with Factory Overhaul.													
2018-21-14	3	AD	MAC10 Series Crew Oxygen Mask Regulators - Inservice										
Compliance note: Compliance note: Complied with during overhaul by Sefran Aerodynamics under W/O 0050889980, MOC: Complied With Inspection (Effective Date: 27-Mar-2019)													
Compliance note: Complied with during overhaul by Sefran Aerodynamics under W/O 0050889980, MOC: Complied With Inspection (Effective Date: 27-Mar-2019)													
2018-21-14	4	AD	MAC10 Series Crew Oxygen Mask Regulators - Inservice										
Compliance note: Compliance note: Complied with during overhaul by Sefran Aerodynamics under W/O 0050889980, MOC: Complied With Replacement (Effective Date: 27-Mar-2019)													

Legend:   
 Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loose, P - Snag, S - Service, W - Work, O - Overhaul, R - Replaced, I - Inspected, U - Upgrade, S - Service, etc.

Task Types: PN - Component Pa - Inspection SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Loose, U - Upgrade, S - Service, etc.

Work Performed By: Technician: Strand, C John (AAB) Inspector: Rili Inspector:

Work Order No.: W/O/N48085/2020/0 Maintenance Log Section: Maintenance Log Page: 1/1

Date: 5/31/2020

Signature: [Handwritten Signature]

Form Tracking Number: 3



WOF 464019  
Reg# N480ES  
ATT: 2794.3

Date: 6/8/2020  
Aircraft SN: 45-2097  
ATC: 2087



Airframe Log Entry

Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

\* Inspection  
Completed eddy current inspection on 13 cabin window coverings IAW Learjet 40 Series NDT Manual Part 6 56-20-01 Jan 2/1/13. No positive indications noted at this date.

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Line Aviators Approved Aircraft Inspection Program and is approved for return to service.

Signed  for Elliott Aviation of Minneapolis, LLC  
CRS# KCR000BN  
Page 1 of 1



MA

Aircraft

Engine 1

Engine 2

Serial No

45-2097

P-118948C

**Aircraft Identification and Status**

P-118947C

Airframe

ACH

His

Eng1

Eng

His

Eng2

Eng

The Maintenance Transaction Report is To Be Solely For Bombardier Learjet 40

Jet Line Aviation, LLC  
13820 Pierce Street, Suite 100  
Omaha, NE, USA, 68114  
402-315-1826



**Maintenance Transaction Report**

Aircraft Serial No.

45-2097

Aircraft Reg. No.

N480ES

Date

09-Jun-2020

His

2,794.3

Ldg

2,087

Airframe

ACH

His

Eng1

Eng

His

Eng2

Eng

**Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Tags Accomplished**

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Inspected	TSX Inspected Part	Unit Cost	Man Hours
40-22-06	1 SB	Airio Flight - Inspection/Replacement of Safety Wire or Cable on the Airframe Servo Cable Lower Quadrant									

Compliance note: Owner elected to defer at this time. MOC: Deferred

**Legend:**

Task Types: PN - Component Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Sng, Pkg - Package

Reasons for Removal: D - Damaged, E - Ejection, F - Failure, L - Loose, P - Sng, S - Service, W - Worn, O - Other/Convenience, I - Inspected, U - Upgraded, S - Serviceable

Service Center	Work Order No.	Maintenance Log Section	Maintenance Log Page	S/I
Strand C John Jakp	2882185	WON480ES/2020/0	67/013	
Inspector	Fill Inspector:			
Strand C John Jakp				
Work Performed By Technician: 2882185				
I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal Aviation regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and is approved for return to service.				
Signed				Date
				06/12/2020
Bombardier Aviation Product File In MS-15-0000-001				

Form Tracking Number: 3

WOM 464045 Date: 02/27/2020  
Reg# M480ES Aircraft SN: 45-2087

ATT: 2808.1 ATC: 2099



Airframe Log Entry

Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2817

- \* A1259000- CVR U/B Clean Engine Switch and Performed Functional Check of CVR U/B DK:120 SN S047750, battery voltage 2.54, Battery expires Sept 2020, reference Distair Tech manual 03-714-0017.
- \* A1259000- FDR U/B Clean Engine Switch and Performed Functional Check of FDR U/B DK:120 SN S081443, battery voltage 2.25, Battery expires Dec 2023, reference Distair Tech manual 03-714-0017.

I certify the Airframe that the above stated maintenance under inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or FAA approved Aircraft Inspection Program and is approved for return to service.

Signed Jeff Soberg for Elliott Aviation of Minneapolis, LLC  
CRAI 10282008

W/O: 484046 Date: 6/30/2020  
Reg# N400CS Aircraft SN: 462097

ATT: 28154 ATC: 2104



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13901 Fenner Trail  
Eden Prairie, MN 55347-2817

Airframe Log Entry

Overhaul/Replacement:

- \* Replaced battery in the OAR ULS model BK220 SW SD47759 using a battery LL PIN 810-21008K referencing Dakota Speccom battery placement
- \* Replaced 3-897-0022 Rev. B Battery installation JI 2026.
- \* Replaced LH and RH cockpit door bellows with new type N bellows in reference to Lempel AD maintenance manual 31-21-102.

I certify the Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or any applicable approved Avionics Inspection Program and is approved for return to service.

Signed:  for Elliott Aviation of Minneapolis, LLC  
CSCS 10587098N



Elliott Aviation of Minneapolis, Inc.  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347  
 FAA CRS# KXSR005N

**Non-Destructive Testing Report**

Customer: **Boeing** Location: **Boeing** Part: **747-400**  
 Aircraft Component Make: **Boeing** Aircraft Model: **747-400** Aircraft Component Part No: **444847** Aircraft Component Serial No: **NOV8-1823** Part No: **444847**  
 Aircraft Make: **Boeing** Aircraft Model: **747-400** Aircraft Component Part No: **NOV8-1823** Aircraft Component Serial No: **NOV8-1823** Part No: **444847**

Type of Examination: **ET**  UT  MT  PT  Eddy Current  
 Direction of Service Performed: **Horizontal**  
 Eddy current inspected bend seats in reference to Magnet CHAIN 32-46-14.  
 Magnetic particle inspected finish wheel bolts LW, ASTM E144. No positive indications noted on bolts.  
 Maintenance Manual Reference: **Service Bulletin 40 Reference**

**ET** Equipment: **Omegas Nucle 600** S/N: **8000418318** Cal/Due: **31-Jul-20** Probe Type: **7411 Black Series**  
 Equipment: **Omegas Nucle 600** S/N: **8000418318** Cal/Due: **31-Jul-20** Probe Type: **7411 Black Series**

**UT** Equipment: **T-M Wave Transducer** S/N: **89458** Cal/Due: **1-10-20** Dy: **Wet**  Dry  **Wet**  **Wet**   
 Equipment: **T-M Wave Transducer** S/N: **89458** Cal/Due: **1-10-20** Dy: **Wet**  Dry  **Wet**  **Wet**

**PT** Equipment: **Magnaflux AD 945** S/N: **89458** Cal/Due: **1-10-20** Dy: **Wet**  Dry  **Wet**  **Wet**   
 Equipment: **Magnaflux AD 945** S/N: **89458** Cal/Due: **1-10-20** Dy: **Wet**  Dry  **Wet**  **Wet**

Part	Material	Part No	Part Name	Part Description	Part Quantity	Part Location	Part Condition	Part Remarks
3544281-4 SN NOV8-1823	Aluminum	3544281-4	Eddy current bend seats	Reference to Magnet CHAIN 32-46-14	1	Boeing	Good	
444847-8 nose wheel bolts	Steel	444847-8	Magnetic Particle	ASTM E144	1	Boeing	Good	

I certify that the inspection items as listed have been examined in accordance with applicable NDT requirements and have been found satisfactory with respect to the examination performed.  
 Signed: *[Signature]* CRS# KXSR005N Date: 07/09/2020



10/1/20

WOC# 464047 Date: 7/9/2020  
Reg# N480ES Aircraft SN: 45-2097

ATT: 2815.4 ATC: 2104



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

Maintenance Action

\* Removed nose wheel tire s/n 8074SD0455 from wheel s/n NOV06-10283. Completed eddy current inspection of nose wheel bead seal area and magnetic particle inspection of eight nose wheel tie bolts referencing Meggit Component Maintenance Manual 32-46-14 and ASTM: 1444. No positive indications noted at this date. See NDT Report dated 07-09-2020 from Elliott Aviation of Minneapolis.  
Assembled nose wheel s/n NOV06-10283 with New tire p/n 031-613-8, s/n 8132SD0435 and new O-ring p/n M8346171-269 and balanced wheel/tire assembly referencing Meggit Component Maintenance Manual 32-46-14. Greased wheel bearings with SHC100 grease and reinstalled nose wheel/tire assembly on aircraft referencing Leapjet 45 Maintenance Manual 32-40-01. Serviced nose tire to 114psi with nitrogen referencing Leapjet 45 Maintenance Manual 32-10-04

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed   
David Nelson

for Elliott Aviation of Minneapolis, LLC  
CRS# K1SR00SN

3. Form Tracking Number:

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TRIXXALL



JETLINX

### Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sonly For Bomarder Learjet 40

MA Engine 1 Engine 2 JET Linc Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

Serial No. 45-2097 P-116948C P-116947C

### Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Ldg	2104	ACft	Eng1	Eng2
45-2097	N480ES	18-Jul-2020	2815.4	2104				

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Lot	Installed Serial Number	Reason for Removal	TSX Installed Part	Inst. Cost	Main Hour
24415	1	Temp/Pressure Transducer				10008789				
	2	Crew reported ECAS flagging O2				20192090				

Compliance note: Removed transducer P/N: 10008789, S/N: 7337-B-22 and installed new transducer P/N: 10008789, S/N: 20192090 Serviced O2 to 1850 PSI leak check satisfactory; verified ECAS reading correctly. Work Done in accordance with Lear 40 M.M. 35-00-03. Off vendor part number: Unknown. Off serial number: Unknown.

Compliance note: Found ECAS flagging O2 filters high, O2 temp/pressure transducer failed; Removed transducer P/N: 10008789, S/N: 7337-B-22 and installed new transducer P/N: 10008789, S/N: 20192090 Serviced O2 to 1850 PSI leak check satisfactory; verified ECAS reading correctly. Work Done in accordance with Lear 40 M.M. 35-00-03.

Legend: Reasons for Removal: D - Damaged, E - Expansion, F - Failure, L - Leaker, P - Swap, S - Service, W - Work, O - Other/Convenience

Task Types: PI - Component, Pr - Inspection, Sp - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Work Performed By Technician:	Strand, C. John (AAP)	Inspector:	Rill Inspector:
Work Order No.:	7/014	WO/NADES/202010	Maintenance Log Section:
Service Center:			Maintenance Log Page:
			1/1

Work Performed By Technician: Strand, C. John (AAP) Inspector: Rill Inspector: *[Signature]* Date: 07/10/2020

I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal Aviation regulations and/or the Jet Linc Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed: *[Signature]* Date: 07/10/2020

3. Form Tracking Number:

**WEST STAR**  
AVIATION

3700 East 70th Street - Minneapolis, MN 55460

FAA CERT. 53A485078

**AIRCRAFT INSPECTION /  
MAINTENANCE RECORD**

REGISTRATION: N480ES  
NAME / MODEL: Lear 45  
SERIAL NO: 45-2097

WORK ORDER: MSP21589  
ACT#: 28444  
CYCLES/DGS: 2124

1. Installed EGPWS TDS 615 LAW SIL D201802000010. Performed verification of data base transfer using built in test system.

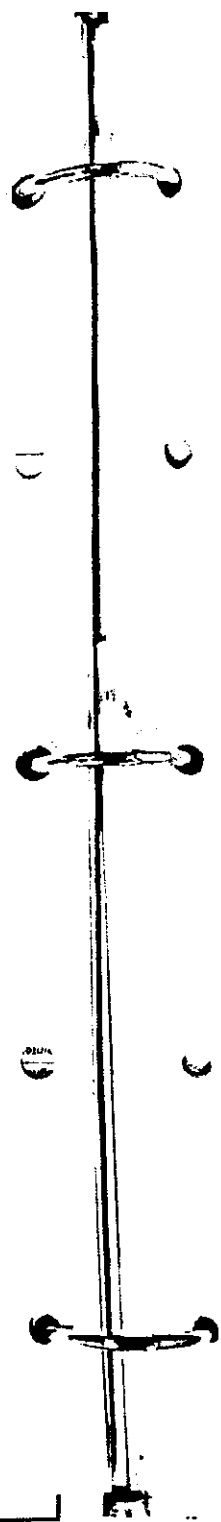
Performed the following Maintenance

The aircraft, airframe, aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Permanent details of the Maintenance and/or Inspection are on file at West Star Aviation, Minneapolis, MN FAA Certified Repair Station No. 53A485078.

Signed: Lynn Boyd



Date: 07/28/2020



WOW 461095 Date: 7/29/2020  
 Reg# M480ES Aircraft SN: 45-2097  
 AT#: 2844 A ATC: 2124

**ELLIOTT**  
AVIATION

Aircraft Log Entry

Elliott Aviation of Minneapolis, LLC  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

- Inspection:
- \* 349900 Performed calibration check of #1 and #2 VHF/NAV VOR/NAV systems referencing Jet Lux Aviation LaserJet Model 40 AAP Avionics
  - \* Inspection Program section one
  - \* Performed visual inspection of ATC-5000 system components and connections Performed operational check of ATC-5000 system referencing Jet Lux Aviation LaserJet Model AAP and Elliot Aviation CA-376-111
  - \* 256100A Performed visual inspection and functional test of ELT SN 170-14374 referencing 14CFR 91.207(d) and JetLux Aviation LaserJet model 40AAP Avionics Inspection Program section one Battery aspiration date OCT7/2020
  - \* 40AAP Avionics Inspection Program section one Battery aspiration date OCT7/2020
  - \* Performed weight check and visual inspection of cockpit and cabin portside fire extinguishers referencing Jet Lux Aviation LaserJet model 40 AAP
  - \* Emergency Equipment Inspection Program
  - \* Maintenance Action
  - \* 349990 1 EGPWS update TBD#15 per Honeywell SL D201802000010, D201802000011, and D201802000013 performed by MSP Aero under WOP21588

I certify that Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Lux-Aviation LaserJet model 40 Approved Aircraft Inspection Program and as approved for return to service

Signed David Nelson for Elliott Aviation of Minneapolis, LLC  
 CRN# KC08005H

Page 1 of 1



BOOTHBY XALL

### Maintenance Transaction Report

The Maintenance Transaction Report is to be Study For Bombardier Learjet 40

Jet Line Aviation, LLC  
13939 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402.315.1025

Serial No: 45-2997  
 Aircraft Identification and Status  
 Aircraft No: 45-2997  
 Date: 29-Jul-2020  
 Hrs: 2444 | Log: 2124  
 Airframe: AC1  
 Engine 1: P118942C  
 Engine 2: P118942C  
 Emp1: [ ]  
 Emp2: [ ]  
 Emp3: [ ]  
 Emp4: [ ]

Item Code	Transaction No.	Item Name	Position	Inspection Vendor Part Number	Inspection Guide Number	Reason for Removal	Inspected Part	Time	Man Hours
339330	1	First Aid Kit Inspection							

Complainers must inspect first aid kit and replace expired items as required.

Legend:   
 A - Approved for Release; B - Damaged; C - Expired; D - Failure; E - Leaking; F - Loose; G - Missing; H - Wrong; I - Wrong; J - Wrong; K - Wrong; L - Wrong; M - Wrong; N - Wrong; O - Wrong; P - Wrong; Q - Wrong; R - Wrong; S - Wrong; T - Wrong; U - Wrong; V - Wrong; W - Wrong; X - Wrong; Y - Wrong; Z - Wrong

Task Item: PFI - Component Ins - Inspection of Service Bulletin AD - Airworthiness Directive Sup - Supp Prog - Failure

Work Order No: WFO/04001270001  
 Maintenance Log Section: Airframe  
 Maintenance Log Page: 5/1

Work Performed By: Technician  
 20041153  
 Strand, C John (AAB)  
 Signature:   
 Date: 7/29/2020  
 Permanent Aircraft Record - Form Maintenance Log

Equipment Number: 3



Maintenance Transaction Report

This Maintenance Transaction Report is To Be Solely For Bomber Order Learjet 40

Jet Link Aviation, LLC  
13039 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1826

MA  
Serial No. 45-2097  
Aircraft  Aircraft Engine 1 Engine 2  
P-116948C P-116947C

Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Ldg	2136	Airframe	ACH	Hrs	Eng1	Eng2	Hrs	Eng1	Eng2	TSX	Instal Part	Instal Part	Med Cost	Man Hours
45-2097	N480CS	13-Aug-2020	2,801.9	2,136				7861.9	2136		7861.9	2136						

Component Changes, Inspectors, Service Bulletins, Airworthiness Directives, and/or Strags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Inspected Vendor Part Number	Mod	Inspected Serial Number	Reason for Removal	Inspected	TSX	Instal Part	Instal Part	Med Cost	Man Hours
	1	PN Oil Pressure Transducer	No.1	Unknown		7401-d-578							
	Compliance note: Swapped oil pressure transducers side to side. SN:7401-3-773 moved from left engine to right engine. SN:7401-d-578 moved from right engine to left engine. Serviced both engines with oil. Leak check satisfactory. Work done LW/Lear 40 NMA, 79-30-01, Off vendor part number: Unknown. Off serial number: 7401-3-773												
	2	PN Oil Pressure Transducer	No.2	Unknown		7401-3-773							
	Compliance note: Swapped oil pressure transducers side to side. SN:7401-3-773 moved from left engine to right engine. SN:7401-d-578 moved from right engine to left engine. Serviced both engines with oil. Leak check satisfactory. Work done LW/Lear 40 NMA, 79-30-01, Off vendor part number: Unknown. Off serial number: 7401-d-578												
24416	3	Sng											
	Compliance note: Swapped oil pressure transducers side to side. SN:7401-3-773 moved from left engine to right engine. SN:7401-d-578 moved from right engine to left engine. Serviced both engines with oil. Leak check satisfactory. Work done LW/Lear 40 NMA, 79-30-01, Off vendor part number: Unknown. Off serial number: 7401-d-578												

Legend:

Task Types: PN - Component Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Sng, Pkg - Package  
Reasons for Removal: D - Damaged, E - Excess Oil, F - Failure, L - Loose, P - Swap, S - Service, W - Work, O - Other/Convenience

Work Performed By: Technician: 2884145  
Inspector: Strand, C. John (AAB)  
Rtl Inspector: [Signature]  
Work Order No.: WQ/N480CS/2020/0  
Maintenance Log Section: Airframe  
Maintenance Log Page: 111  
Date: 8/13/2020  
Permanent Aircraft Record - Fail in Maintenance Log

3. Form Tracking Number:



AC Model: Learjet 45  
AC SN: 452087

MM003  
9-4-2020  
Work Order 13418

AGTI: 2813  
Landings: 2147

Flying Cloud Airport  
14801 Pioneer Trail  
Eden Prairie, MN 55947  
PH: 952-941-2920

Completed the following Airframe Maintenance and/or Inspection(s):

Inspections:

- Accomplished 300 hour A inspection in reference with Lear 40 MM 05-11-01, 05-11-02, 05-11-03, 05-11-04, 05-11-05 and 05-11-06
- Accomplished 600 hour B inspection in reference with Lear 40 MM 05-12-01, 05-12-02, 05-12-03, 05-12-04, 05-12-05, 05-12-06 and 05-12-07
- TASK 2302003E: Performed a detailed visual/borescope inspection of the RIGHT ENGINE fuel air-cooler tube assembly. No defects noted at this time.
- Ref. Learjet 40 AMM Chapter 30-20-00. Restored access using new seals P/N 13003. Leak check satisfactory at this time.
- TASK 2302003E: Performed a detailed visual/borescope inspection of the LEFT ENGINE fuel air-cooler tube assembly. No defects noted at this time.
- Ref. Learjet 40 AMM Chapter 30-20-00. Restored access using new seals P/N 13003. Leak check satisfactory at this time.

Time Limited Items:

- Performed capacity check on battery one, P/N RG-380EMOK, SN 40745884, battery passed at 87.9%. Ref. Concord CMM Chapter 24-30-71.
- Performed capacity check on battery two, P/N RG-380EMOK, SN 40745893, battery failed at 59%. Remove number two battery P/N RG-380EMOK, SN 40745893 and installed new Concord Battery P/N 390024M, SN 11011717, Ref. Concord CMM Chapter 24-30-71.
- Avionics 81303 dated 8-5-2020 work order 4071989. Ref. Concord CMM Chapter 24-30-71.

AD's & Service Bulletins:

- LAR: SB 24082Z-18: Replacement of outer trim tab hinges outer pins. Inspected Hinge pin. Verified stainless steel outer pin installed in upper position. Installed pin in lower position. Installed MS2665-22 cone pin in lower hinge pin position w/ Lear/JM SB 40A-27-18.

Maintenance & Service Items:

- Removed left outboard main wheel and tire assembly (No. 1) P/N 3-1545-1 SN 2781. Disassembled wheel assembly. Removed tire P/N 228K09-4 SN 81022794. Cleaned and inspected wheel hub and bearings. No defects noted at this time. Wheel hub was Eddy Current inspected by Elton Aviation CRS # KGS0000N and documented on work order number 464147 dated 9-1-2020. No defects were noted. Replaced tire to the unshodded pressure of 159PSI. Performed leak check. No leaks noted at this time. Ref. Lear 40 AMM Chapter 32-40-02.
- Work accomplished in reference with B.F. Goodrich CMM 32-46-12 and Learjet 40 AMM Chapter 32-40-02.
- Removed left inboard main wheel and tire assembly. Removed tire P/N 228K09-4 SN 8087275. Inspected wheel hub and bearings. No defects noted at this time. Wheel hub was Eddy Current inspected by Elton Aviation CRS # KGS0000N and documented on work order number 464147 dated 9-1-2020. No defects were noted. Replaced wheel bearings and assembled wheel assembly using new tire P/N 228K09-4 SN 81702681 along with new O-ring P/N 68-1204. Inflated tire to the unshodded pressure of 159PSI. Performed leak check. No leaks noted at this time. Reinstalled wheel and tire assembly onto left stand (No. 2) position. Work accomplished in reference with B.F. Goodrich CMM 32-46-12 and Learjet 40 AMM Chapter 32-40-02.
- Removed nose wheel assembly P/N 82442012, SN NOV08-10283. Disassembled nose wheel assembly. Removed tire P/N 0314513-8 SN 812500435. Cleaned and inspected nose wheel assembly and bearings. Found tire to be satisfactory. Replaced tire with new tire P/N 0314513-8 SN 812500435. Assembled nose wheel assembly per new P/N 82442012 and documented on work order number 452975-059 and new tire P/N 0314513-8 SN 801770342. Inflated tire to 105psi and leak checked. Found to be satisfactory. Replaced nose wheel assembly by adding 1.25oz. Installed nose wheel assembly on aircraft with new podings P/N MS2971-2-022. Replaced tire P/N MS2971-2-022. Reference Learjet 40 MM 32-40-01 and ASBC CMM 32-46-14.
- Found fuel on backside of co-pilot window by the manual gear handle to be disconnected. Recommended duct to connect window. Found disconnected all of the oxygen fittings and connections around the oxygen bottle, regulator, gauge, and fill port in the RH nose avionics bay, could not find location of any leaks. No fuel found. Serviced O2 bottle with aviation breathing oxygen to 1850psi as prescribed.
- Removed and replaced right nose gear down light bulb P/N 3071, operational tested satisfactory.
- Removed and replaced left outboard belly landing light bulb with new bulb P/N 3070892. Operational check satisfactory. Work performed referencing instructional placed on back side of access panel.
- Removed left and right hand all lower pylon panels for well seals and trimmed seal bracket for spigot mount to provide clearance. Altered, primed and painted as required. Reinstalled travel cables. Work performed per P/N 452700050-003. Reference Lear 40 MM 12-10-02.
- Serviced NLG strut with 6000 hydraulic fluid and nitrogen to 800PSI. Rechecked Lear 40 MM 12-10-02.
- Removed (1ea) trim piece of tape from panel 6200R and applied (1ea) new length of tape P/N 452700050-003. Removed (1ea) trim piece of tape from panel 6200R and applied (1ea) new length of tape P/N 452700050-003.
- Removed (1ea) trim piece of tape from panel 5204L and applied new length of tape P/N 452700050-003.
- Rechecked Learjet 40 MM 57-20-01.

The items listed above were required and completed in accordance with the current regulations of the Federal Aviation Administration and / or Jet Line Aviators Approved Aircraft Inspection Program and was inspected to the work performed as approved for return to service. Further details of this repair and/or inspection are on file at the repair station under Work Order 13418. Dated 9-4-2020

Authorized Signatory: William C. Stalir  
For Premier Jet Center FAA CRS #WED09988 William C. Stalir



**Component Time Tracking Log Card**

This component time tracking log card must be kept with the component and updated whenever this component is removed. The requirement to track and maintain a record of accumulated total time on life limited components is set forth in FAA (14 CFR parts 43.10 and 45), Transport Canada (CAR 571.09) and JAA (JAC 21.163 (b)) regulations. The component life must be tracked to ensure that the life limit of the component is not exceeded. Failure to comply with these regulations may result in the component being deemed scrap.

**THIS CARD MUST FOLLOW THE COMPONENT FOR THE ENTIRE LIFE OF THE COMPONENT.**

Part Identification Part no. 6627401000-009 (MPC P/N 2A9209B) mod status: 01	Part Name HORIZONTAL STABILIZER ACTUATOR ASSEMBLY	Serial Number <b>B0045</b>	Manufactured by Woodward MPC Stoke, IL
--	---	-------------------------------	--

This card is to accompany the HSTA for proper tracking of the component while on the aircraft and when being returned to Learjet for service. **ALL BLOCKS IN BLUE MUST BE COMPLETED BEFORE RETURNING THE UNIT TO LEARJET. FAILURE TO DO SO MAY RESULT IN ADDITIONAL ADMINISTRATIVE CHARGES OR NON-RETURN OF CORE CHARGES.**

**Installation, Operating Time and Maintenance Record**

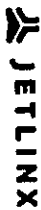
Maintenance To be completed by Woodward MPC only	DATE	Details: Hours on last install:	ACTUATOR OVERHAULED	TT=	TSS=	TSO=	Work Performed must be signed off by a certified or licensed person	CERTIFICATE #
	4-May-16	1189.7		4365.33	1189.7	0	Jose Tapia	M74R907N
Action	dd/mm/yy	AIRCRAFT S/N	AIRCRAFT HOURS	at install:	at removal:		NAME	SIGNATURE
INSTALL	8/11/2016	1345/189	3535.8	4125.6			Jose Tapia	DGAC 200805571
REMOVAL	5/16/2016							DGAC 200805571
Maintenance To be completed by Woodward MPC only	DATE	Details: Hours on last install:	ACTUATOR OVERHAULED	TT=	TSS=	TSO=	Work Performed must be signed off by a certified or licensed person	CERTIFICATE #
	06-Aug-20	1189.8		5555.13	1189.8	0	Cosimo Limone	M74R907N
Action	dd/mm/yy	AIRCRAFT S/N	AIRCRAFT HOURS	at install:	at removal:		NAME	SIGNATURE
INSTALL								
REMOVAL								
Maintenance To be completed by Woodward MPC only	DATE	Details: Hours on last install:	ACTUATOR OVERHAULED	TT=	TSS=	TSO=	Work Performed must be signed off by a certified or licensed person	CERTIFICATE #
	06-Aug-20	1189.8		5555.13	1189.8	0	Cosimo Limone	M74R907N
Action	dd/mm/yy	AIRCRAFT S/N	AIRCRAFT HOURS	at install:	at removal:		NAME	SIGNATURE
INSTALL								
REMOVAL								

Form # 7131 Rev. None

3. Form Tracking Number:

Continued on other side →





MA

This Maintenance Transaction Report is To Be Searched For Bombside Lanyard 40

Jet Linx Aviation, LLC  
13830 Peace Street, Suite 100  
Omaha, NE, USA, 68134  
402-315-1026

### Maintenance Transaction Report

Engine 1  
Engine 2

#### Aircraft Identification and Status

Serial No. 45-2097

P-116947C P-116947C

Aircraft Reg. No. N480ES

Date 13-Oct-2020

Wt 2,929

Ltd 2,198

Eng#1

Eng#2

Eng#1

Eng#2

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Unit Cost	Man Hours
N2740023	2	Ins	Horizontal Stabilizer Actuator		6627401000-009		80045					
Compliance note: Replaced Horizontal Stabilizer Actuator P/N 6627401000-009 S/N 80045, Overhauled by Woodward APC Inc. CBS # M748907N. Form Tracking # 30011079-80045, Work Order # 5800622371. Dated 07/AUG/2020 Assembly TT 5555 13, Assy TTS1 0, Assy ISO 0 Next O/H Due ACTT 4129 0 Operational checked good Ref Lanyard 40 MM 27-40-02. OH vendor part number 6627401000-009. OH serial number 80570												
N2740024	3	Ins	Horizontal Stabilizer Actuator A/CME Nut (P/N 2A94567005) - Replace		6627401000-009		80045					
N2740032	4	Ins	Horizontal Stabilizer Actuator (6627401000-009) - Perform Inspection		6627401000-009		80045					
N2740033	5	Ins	Horizontal Stabilizer Actuator (6627401000-009) - Perform Detailed Structural Inspection		6627401000-009		80045					
N2740003	6	Ins	Horizontal Stabilizer Actuator Secondary Tim - Perform Functional Test									
Compliance note: Complied with Functional Test of Horizontal Stabilizer Actuator Secondary Tim Ref Lanyard 40 MM 27-40-02. No defects noted												
D2740004	7	Ins	Horizontal Stabilizer Actuator Primary Tim - Perform Functional Test									
Compliance note: Complied with Functional Test of Horizontal Stabilizer Actuator Primary Tim Ref Lanyard 40 MM 27-40-02. No defects noted												

Legend:

Task Types: P1 - Component Ins, Inspection, Sp. Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Swap, S - Service, W - Worn, O - Other/Convenience, Inspected, L - Inspected, U - Upgraded, S - Serviceable

Work Performed By Technician AP2495294	Inspector Kyle Watkins AP3110531	Service Center Jet Linx	Work Order No.	Maintenance Log Section Airframe	Maintenance Log Page 1/1
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I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed: *[Signature]* AP3110531

Date: 10/13/2020

Jet Linx Aviation, LLC



JETLINK



# Maintenance Transaction Report

The Maintenance Transaction Report is To Be Soley For Bombarde Learjet 40

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA 68144  
402-315-1026

MA  
Serial No 45-2097  
 Aircraft Engine 1 Engine 2  
P-11694BC P-116947C

## Aircraft Identification and Status

Aircraft Serial No 45-2097 Aircraft Reg No N480ES Date 01-NOV-2020 Yrs 23627 Log 2203 Airframe ACH Hrs Eng1 Eng2  
Hrs Log Hrs Eng1 Hrs Eng2

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Code	Man Hours
256109A	1	PN (ELT) Emergency Locator Transmitter Battery		452-0133		386459-007	E	N			
	2	its Functional Test Emergency Locator Transmitter Beacon									

Removed ELT battery P/N 452-0133, S/N 367528-068 and installed new battery P/N 452-0133, S/N 386459-007 Work done in accordance with Lear MM 25-62-01 Battery Expires 31-AUG-2025  
Complied with FAR91.207(d) on ELT Tested in accordance with Lear 40 MM 25-62-00 All checks satisfactory


Legend:

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service, W - Work, O - Other/Convenience

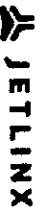
Last Types: P# - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Work Performed By: Technician	Strand, C John (A&P)	Inspector	Rill Inspector
Service Center	2894145	Work Order No	W/O/N480ES/2020/1
Maintenance Log Section	1 / 020	Maintenance Log Page	1/1

I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Link Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed:  Date: 11/11/2020

3. Form Tracking Number:



MA  
 Serial No 452097  
 Engine 1  
 Engine 2

Jet Line Aviation, LLC  
 13030 Pierce Street, Suite 100  
 Omaha, NE USA, 68144  
 402-315-1025

### Maintenance Transaction Report

The Maintenance Transaction Report is To Be Sady For Bombardier Learjet 40

#### Aircraft Identification and Status

Aircraft Serial No 452097  
 Aircraft Reg No N180ES  
 Date 02-Nov-2020  
 Hrs 29627  
 Ldg 2203  
 Airframe ACH  
 Hrs  
 Eng#1 Eng  
 Hrs  
 Eng#2 Eng  
 Hrs

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Inst Cost	Man Hours
24423	1	Sng	Left main gear	Tau Light is inoperative							0

Replaced left tau lamp with new lamp lamp P/N 4587 Ground check satisfactory. Work done in accordance with Lear 40 MM 33 40 04

#### Legend:

Reason for Removal: D - Damaged, E - Expiration, F - Failure, L - Label, P - Snag, S - Service, W - Work, O - Other/Convenience  
 Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, U - Upgraded, S - Serviceable

Task Type: PN Component, Ins: Inspection, SB Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Frg - Package

Work Performed By Technician 2884145	Inspector Strand, C John (ABP)	RII Inspector
Service Center:	Work Order No. WQ/N180ES/2020/1	Maintenance Log Section: Airframe
Date: 11/2/2020		Maintenance Log Page: 1/1
Signed: <i>[Signature]</i>		Permanent Aircraft Record - File In Maintenance Log

Form Tracking Number: 3





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Compliance & Airworthiness Division  
Wichita ACO Branch  
1801 Airport Road, Room 100  
Wichita, Kansas 67209

November 12, 2019

In Reply, refer to: 7K0-19-13184

Mr. Anthony Boatwright  
Director of Maintenance  
Jet Link Aviation, LLC  
13030 Pierce St. Suite 100  
Omaha, Nebraska 68144

Subject: Main Landing Gear Actuator Pin Life Extension

Reference: 1) Bombardier Letter of No Technical Objection, SDFC #362928, dated  
October 30, 2019  
2) Email from Lincoln FSDO to Wichita ACO, dated November 7, 2019  
3) Learjet Model 45-2097 (N480ES)

Dear Mr. Boatwright:

We have reviewed your request for a life limit extension on the referenced aircraft due to a lack of part availability. This letter approves a one-time compliance time extension from 96 months to 99 months for the parts identified on Bombardier's letter of no technical objection on the reference aircraft only.

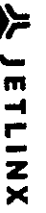
This approval is not transferable. Before using this one time extension, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

If you have any questions regarding this extension, please contact Tara Shawn at [tara.shawn@faa.gov](mailto:tara.shawn@faa.gov) or (316) 946-4141.

Sincerely,

Linda J. Dicken  
Manager, Airframe & Delegation Section  
Wichita ACO Branch

Enclosures: Bombardier Letter dated 10/30/19 to Elliott Aviation from Mr. Green  
cc via email: Richard Love, Lincoln FSDO  
Gary Carson, [gary.carson@aero.bombardier.com](mailto:gary.carson@aero.bombardier.com)



# Maintenance Transaction Report

This Maintenance Transaction Report is to Be Suedly For Bombardeur Lanper 40

Jet Linx Aviation, LLC  
13020 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

MA  Aircraft Engine 1 Engine 2  
Serial No 4S-2097 P-11694C P-116947C

## Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	Hrs	Ldg	2985.6	2211	Engine 1	Engine 2				
4S-2097	N4180ES	23-Nov-2020										
<b>Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished</b>												
Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mod Code	Main Hours
24425	1	Sng	On preflight inspection found left taxi light broken									
Replaced left taxi light with new bulb P/N 4387 from flyaway kit Reference Lear 40 MM33-20-08 Ops check satisfactory												
24426	2	Sng	On preflight inspection found two passenger reading lights inoperative									
Replaced reading lamps with new bulbs P/N M6613113-021 from flyaway kit Reference Lear 40 MM33-20-08 Ops check satisfactory												

### Legend:

Task Types: PN - Component, In - Inspection, Sg - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reason for Removal: D - Damaged, E - Expiration, F - Failure, I - Inoperative, P - Snag, S - Service, W - Work, O - Other/Overwrite  
Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Loaner, U - Upgraded, S - Serviceable

Work Performed By: Technician Strand, C. John (A&P) 28841451	Inspector Fill Inspector	Work Order No. WO/N480ES/2020/1 1 / 020	Maintenance Log Section Airframe	Maintenance Log Page 1/1
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I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal Aviation Regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service.  
Signed: *[Signature]* Date: 11/23/20 Permanent Aircraft Record - File In Maintenance Log



JETLINK



# Maintenance Transaction Report

The Maintenance Transaction Report is To Be Soley For Bombardeur Learjet 40

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA 68114  
402-315-1926

MA  
Serial No 45-2097  
 Aircraft Engine 1  
Engine 2

## Aircraft Identification and Status

Aircraft Serial No.	45-2097	Aircraft Reg No.	N480ES	Date	23-Nov-2020	Hrs	2,855.6	Ldg	2,211	Airframe	ACH	Eng#1	Eng	Eng#2
<b>Component Changes, Inspectors, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished</b>														
Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Code	Man Hours		

2020-09-02 Par (g) AD Cabin Equipment/Furnishings - Argou Aeronaudique  
Model 358 Togo Restraint Systems - Restraint Systems  
Listed on Argou Aero SR No 35858-14-101 -  
Replacement (Effective Date 29-May-2020)

AD not applicable, restraint system not installed.

### Legend:

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Learner, P - Swap, S - Service, W - Work, O - Other/Convenience

Task Types: RN - Component Ins. - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Sng, Pkg - Package  
Installed Part Status: N - New, O - Overhauled, R - Required, I - Inspected, L - Lamer, U - Upgraded, S - Serviceable

Work Performed By: Technician	Stuard, C John (ASB)	Inspector:	RH Inspector:
Service Center:	2884145	Work Order No.:	WO/N480ES/2020/1
Maintenance Log Section:	Airframe	Maintenance Log Page:	1/1
I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Link Aviation Approved Aircraft Inspection Program and is approved for return to service.			Permanent Aircraft Record - File In Maintenance Log
Signed: <i>[Signature]</i>			Date: 11/23/2020



**JETLINX**

# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sefely For Bombardeur Learjet 40

Serial No. 45-2097

Aircraft

MA

Engine 1

Engine 2

Jet Linx Aviation, LLC  
13039 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1026

## Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Ldg	2,965.6	2,211	Airframe	ACH	Hrs	Eng#1	Eng	Hrs	Eng#2	Eng	TSX	Inst. Cost	Main Hours	
45-2097	N480ES	23-Nov-2020																

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

2020-08-02 1 AD Global Positioning System -Thales GPS/SBAS Receivers (Effective Date: 19-May-2020)

AD not applicable. Thales receiver not installed.

2020-08-02 2 AD Global Positioning System - Thales GPS/SBAS Receivers (110)

- Update Navigation Database (Effective Date: 19-May-2020)

AD not applicable. Thales receiver not installed.

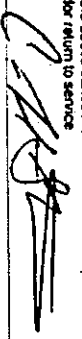
2020-09-02 3 AD Cabin Equipment/Furnishings - Argou Aeronautique Model 358 Torso Restraint Systems - Inspection/Replacement/Installation Prohibition (This AD replaces AD 2017-15-04) (Effective Date: 28-May-2020)

AD not applicable. restraint system not installed.

### Legend:

Task Types: FN - Component Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Snag, S - Service, W - Work, O - Other/Convenience

Work Performed By: Technician 2884145	Inspector: Strand C John (AAP)	Fill Inspector:
Service Center	Work Order No.: WO/N480ES/2020/1	Maintenance Log Section: Airframe
	Maintenance Log Page: 1/1	Permanent Aircraft Record - File In Maintenance Log
Signed: 		Date: 11/23/2020

I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service





JETLINX



# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Searched For: Bombardier Learjet 40  
MA  Aircraft Engine 1 Engine 2

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA 68144  
402-315-1025

## Aircraft Identification and Status

Serial No: 45-2097  
P-116948C P-116947C

Aircraft Serial No	Aircraft Reg. No.	Date	Hrs	Log	2211	ACH	Hrs	Eng1	Eng2
45-2097	N480ES	23-Nov-2020	2,955.6	2,211					

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man. Hours
2020-06-02	1 AD	Global Positioning System - Thales GPS/SBAS Receivers									
AD not applicable. Thales receiver not installed. (Effective Date 19-May-2020)											
2020-08-02	2 AD	Global Positioning System - Thales GPS/SBAS Receivers									
AD not applicable. Thales receiver not installed. - Amend Airplane Flight Manual (Effective Date 19-May-2020)											
2020-09-02	3 AD	Cabin Equipment/Furnishings - Ajouq Aeronauique Model 358 Torso Restraint Systems - Inspection/Replacement/Installation Prohibition (This AD replaces AD 2017-16-04) (Effective Date 29-May-2020)									
AD not applicable. Thales receiver not installed.											
2020-09-02	4 AD	Cabin Equipment/Furnishings - Ajouq Aeronauique Model 358 Torso Restraint Systems - Restraint Systems Listed on Ajouq Aero SB No. 358SB-14-101 - Inspection (Effective Date 29-May-2020)									
AD not applicable. restraint system not installed.											
2020-09-02	5 AD	Cabin Equipment/Furnishings - Ajouq Aeronauique Model 358 Torso Restraint Systems - Restraint Systems P/N 3580X-XXXX-VY-ZZZ - Inspection (Effective Date 29-May-2020)									
AD not applicable. restraint system not installed.											
2020-09-02	6 AD	Cabin Equipment/Furnishings - Ajouq Aeronauique Model 358 Torso Restraint Systems - Restraint Systems P/N 3580X-XXXX-VY-ZZZ - Replacement (Effective Date 29-May-2020)									
AD not applicable. restraint system not installed.											

Legend: Reasons for Removal: D - Damaged, E - Expired, F - Failure, L - Loaner, P - Swap, S - Service, W - Work, O - Other/Comment

Task Type: P/N - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Ftg - Package

Work Order No.	Maintenance Log Section	Airframe	Maintenance Log Page	1/1
WON480ES2020/1				

Work Performed By: Technician Strand, C John (ADP) 2884145 Inspector: Rill Inspector

I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal Aviation Regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service.  
Signed: *[Signature]* Date: 11/23/2020 Permanent Aircraft Record - File In Maintenance Log



18 Terminal Drive East Aton IL 62024  
Tel 800-922-2421 Fax 618-256-8008  
www.weststaraviation.com

> Troubleshoot #2 engine oil leaks CASE:21561929  
SA 10085567

Performed ground run leak check of right engine, found D/C StartGen leaking beyond limits from case drain IAW Honeywell LMM TFE731-20 72-00-00 placed seal air oil on order 11/29/20 LMS/FAH5

Removed right engine Start/ Generator seal-air-oil for leaking beyond limits, installed new seal unit, leak check good IAW Honeywell LMM TFE731-20 78-60-02

Seal-air-oil P/N ON-OFF 3072784-2  
O-ring P/N ON-OFF M832481-034

Signed   Lisa Sabin, Lead MRTI/AG West Star Aviation, CRSF PAZT1058H



18 Terminal Drive East Aton, IL 62024  
Tel: 800-922-2421 Fax: 618-258-8008  
www.weststaraviation.com

Jet Linx

Learjet 40

N480ES

S/N 45-2097

Left Engine SN: P-116948C

ET/EC: 2976.0/2217

Right Engine SN: P-116947C

ET/EC: 2976.0/2217

Work Order no.

348660

Date: December 1, 2020

ACIT: 2976.0

LDGS: 2217

Performed the Following Maintenance Items:

ATA 32  
#3 and #4 Tire work.

Removed #3 Main Wheel Assy and Installed Overhauled Wheel Assy IAW LEARJET 40 AMM 32-40-02. Serviced to proper limits.

Removed #4 Main Wheel Assy and Installed Overhauled Wheel Assy IAW LEARJET 40 AMM 32-40-02. Serviced to proper limits.

#3 WHEEL ASSY Inspected by Precision Aviation Group WOE 97204233 Cert # PY6R545X 24 Nov2020

PN OFF: 3-1545-1 SN OF: 2650

PN ON: 3-1545-1 SN ON: 0990

TIRE PN ON/OFF: 226K08-4 SN: 00410598

#4 WHEEL ASSY Inspected by St Louis Component Repair ANDT WOK37123 Cert# 4SMR148C 25 Sept 2019

PN OFF: 3-1545-1 SN OF: 2444

PN ON: 3-1545-1 SN ON: 06330755

TIRE PN ON/OFF: 226K08-4 SN ON: 91732633

ATA 34  
Comply with NAV database update per Derrick Bongi  
Complied with NAV Database Download IAW Learjet 40 AMM 34-50-02.  
NAV Database updated to WORLDWIDE 4000 FT  
31-DEC-20 @KIND

ATA 05  
Comply with PrePost Flight Checklist  
Completed with PrePost Flight Checklist IAW Jet Linx Aviation Pre & Post Flight Checklist. No Defects noted.

ATA 79

>Troubleshoot #1 Oil Pressure fluctuating CASE 21561929

SA 10065666

Performed left engine ground runs, verified oil pressure fluctuating, swapped left and right engine oil transducers for trouble shooting 11/29/20  
HM/BLAS

Performed engine runs with fluctuation staying on the LH eng. Installed oil transducers to original position IAW Learjet 40 AMM 79-30-02

Repositioned Oil pressure switch to sister engines and performed engine runs with LH engine still fluctuating. Installed Oil transducers to original position IAW Learjet 40 AMM 79-30-01.

Per Honeywell Tech support, Alberto Lopez, repositioned LH/RH breather valves to sister engines. Performed engine runs with the fluctuation still staying on the LH engine but not fluctuating as in original write-up. While removing breather valves to install in original position, O-Rings found damaged, placed on order. LASHMB 11302Z0

Replaced LH/RH engine O-Rings for Breather valves and installed LH/RH engine Breather Valves in original positions IAW HONEYWELL LMM TFE731-20 79-20-02. No leaks noted on runs.

Adjusted the pressure regulator on the Oil pump per Honeywell Tech support One-quarter (1/4) turn clockwise to increase the regulated pressure Ran engines for approximately an hour with no fluctuation noted on the LH engine. Pressure rises normally and stays steady in the while. IAW HONEYWELL LMM TFE731-20 72-00-00 para 11. LASHMB 1201Z0

>Troubleshoot #1 engine oil leaks

Performed ground run leak check of left engine, found A/C Alternator leaking beyond limits from case drain IAW Honeywell LMM TFE731-20 72-00-00 placed seal air oil on order 11/29/20 LASHMB

Removed left engine A/C Generator seal-air-oil for leaking beyond limits, installed new seal unit, leak check good IAW Honeywell LMM TFE731-20 76-20-02

Seal-air-oil P/N ON-OFF 3072784-2  
O-ring P/N ON-OFF M832481-034



A/C Make/Model: Lear 45  
A/C S/N: 2087

N480ES  
12-23-2020  
Work Order 13657

Flying Cloud Airport  
14801 Pioneer Trail  
Eken Prairie, MN 55347  
PH 952-697-3170

ACTT: 2977.4  
Cycles: 2218

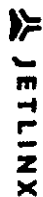
Completed the following Airframe Maintenance and/or Inspection(s)

Time Limited Items:

- Gained access to pedestal. Performed trend downloads. Restored access to pedestal. Routed downloads to customer. Ref: Lear 40 MM 77-40-00.

The items listed above were repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and/or Jet Liux Aviation's Approved Aircraft Inspection Program and with respect to the work performed is approved for return to service.  
Work Order 13657 Dated 12-23-2020

Authorized Signature:  Bradley S Corso  
For Premier Jet Center FAA CRS #6EDXR899B  
End \_\_\_\_\_



Maintenance Transaction Report

This Maintenance Transaction Report is To Be Soley For: Bombardier Learjet 40

MA  Aircraft Engine 1 Engine 2

Jet Line Aviation, LLC  
13018 Pierce Street, Suite 100  
Omaha, NE, USA 68144  
402-315-1025

Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Wts	Ldg	2221	2880.4	2221	2880.4	2221	2880.4	2221	2880.4	2221
45-2097	N440ES	24-Dec-2020											
Item Code	Transaction No.	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TXL	Installed Part	Inst. Cost	Man Hours	
24432	1	Sng	AMDI 24432 - After refuel, fuel started spilling out of the "gravity" fuel door. We used the single point refuel during taxiing.									5	

Opened gravity fuel system access door and found gravity fuel cap not seated properly. Unlocked cap, inspected o-ring, reseated and locked down cap, cleaned fuel spill on top of RH wing, landing gear area and fuselage. Let aircraft sit over night. No leaks noted. Work performed LAW 145 MM Chap 24-00-01.

Legend:

Fail Types: FN - Component, Ins - Inspection, SR - Service Bulletin, AD - Airworthiness Directive, Sng - Sng, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Sng, S - Service, W - Warn, O - Other/Convenience  
Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, U - Leaker, U - Upgraded, S - Serviceable

Work Performed By: Technician	Agency: Line F	Inspector	Bill Inspector	Work Order No.:	WOM4885/AOC/D	Maintenance Log Section:	Airframe	Maintenance Log Page:	1/1	Permanent Aircraft Record - File In:	Maintenance Log
Signature: <i>Sam Quate</i>	Signature: <i>APP 2553437</i>	Date: <i>12/28/2020</i>									

I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal aviation regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and is approved for return to service.



Flying Cloud Airport  
14601 Pioneer Trail  
Eden Prairie, MN 55347  
PH 952-697-3170

A/C Make/Model: Lear 40  
A/C SN: 2097

N480ES  
1/12/2021  
Work Order 13899

ACFT: 2889 Z  
Cycles: 2227

Completed the following Airframe Maintenance and/or Inspection(s)

Inspections:  
\* Performed 1500hr Oxygen System inspection found to be satisfactory. Ref Learjet 40 MM 35-00-01  
Maintenance & Service Items:

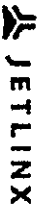
\* Post maintenance operational and leak check found to be satisfactory.  
I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and/or Jet-Lite Aviation's Approved Aircraft Inspection Program and was determined to be in airworthy condition and is approved for return to service with respect to the work performed. Permit details of this repair and/or inspection are on file at this repair station under Work Order # 13899. Date: 1/12/2021

Authorized Signature:

Bradley S Corno

For Premier Jet Center FAA CRS #EXR1898

End



# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sold For Bombarier Learjet 40

MA  Aircraft Engine 1 Engine 2  
Serial No. 45-2097 P-116948C P-116947C

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

## Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Log	2,897.1	2,231	Airframe	ACH	Hrs	Eng#1	Eng#2
45-2097	N480ES	19-Jan-2021									

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No.	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mnt Cost	Man Hours
2019-12-09	1	AD	Navigation - Rockwell Collins, Inc. (Rockwell Collins) Flight Display System Application FDSA-6500 - Revise Air/ Fabricate Platead (Effective Date: 23-Jul-2019)									
AD2019-12-09 not applicable, FDSA-6500 not installed.												
2019-15-10	2	AD	Safrae Aerostystems Lite Jackets with P/N 210Z25-2, P/N 216Z00-0, or P/N 216Z03-0 - Inspect/ Replace/ Repair (Effective Date: 19-Sep-2019)									
AD2019-15-10 not applicable, Safrae Lite jackets not installed.												

### Legend:

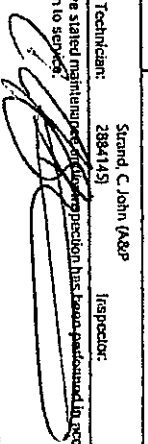
Task Types: PN - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service, W - Warn, O - Other/Convenience  
Installed Part Status: N - New, D - Overhauled, R - Required, I - Inspected, L - Loaner, U - Upgraded, S - Serviceable

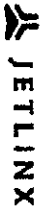
Service Center:	Strand, C John (ASBP)	Inspector:	2884145	Fill Inspector:	
Work Order No.:	WO/N480ES/2021/6	Maintenance Log Section:	Airframe	Maintenance Log Page:	1/1

Work Performed By: Technician: Strand, C John (ASBP) 2884145

I certify that the above stated maintenance transactions have been performed in accordance with current federal aviation regulations under the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed:  Date: 1/19/21

Permanent Aircraft Record - Fill in Maintenance Log



# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Soley For: Bombardier Learjet 40

MA  Aircraft Engine 1 Engine 2  
Serial No. 45-2097 P-116948C P-116947C

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

## Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Ldg	2,231	Airframe	ACH	Hrs	Eng#1	Enc	Hrs	Eng#2	Enc
45-2097	N480ES	18-Jan-2021	2,897.1	2,231									

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TAX Installed Part	Mat Coat	Man Hours
2019-13-03	1 AD	AIC Transponder System - Trig Avionics Limited TT31									
Mode S Transponders / BendixKing/Honeywell Mode S Transponders / BendixKing/Honeywell Interchangeal KT74 Mode S Transponders - Inspection (Effective Date 27-Aug-2019) AD2019-13-03 not applicable, Trig Avionics TT31 not installed.											

### Legend:

Task Types: PH - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loose, P - Swap, S - Service, W - Warn, O - Other/Convenience

Service Center:	Work Order No.:	Maintenance Log Section:	Maintenance Log Page:
Stand, C John (A&P)	W0/N480ES/2021/0	Airframe	1/1

Work Performed By: Technician: 2884149 Inspector: RII Inspector:

I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal aviation regulations and/or the Jet Link Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed: Date: 1/19/21 Permanent Aircraft Record - File in Maintenance Log



W02464361 Date: 1/31/2021  
Reg# N8085 Aircraft: SRJ 45-2097  
ATT: 2999.2 ATC: 223



Airframe Log Entry

ESott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2817

Maintenance Action  
\* AMCL 2443- Removed emergency battery FM RQ43 SN 4105833. Installed new emergency battery FM RQ43 SN 4105479, reference form 5150 from Concord Battery Corp. Installed 2300-21 dated 14 Jan 2021. Operational check satisfactory. Work done in reference to Law 40 maintenance manual 24-2320.

I certify the Airframe that the above stated maintenance action inspection was performed in accordance with the current regulations of the Federal Aviation Administration and that the aircraft is approved for return to service.

Signed:

for ESott Aviation of Minneapolis, LLC  
CFS# 104800041

WOB 464375 Date: 2/5/2021  
Rogel M440ES Aircraft SN: 45-2087  
Hobbs: 3006.3  
ATC: 3008.3 ATC: 2241



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Edin Prairie, MN 55347-2817

Airframe Log Entry

**Maintenance Action**  
\* AMOL 24434. Removed R2 wheel tire assembly P/N 3-1546-1 SN 2344. Removed tire P/N 228K06-4 SN 81722001. Disassembled wheel and tire assembly. Cleaned wheel hub area. Performed visual inspection of wheel bead area. Visual inspection checked good. Reassembled wheel and tire in reference to Goodrich Corporation CMI P/N 3-1546-1 chapter 3348-72. Installed tire to 187psi. Next the Goodrich Flight Eagle P/N 228K06-4 SN 81082712 installed reference Traction Aviation Inc 8130 under WOB 524187 dated 05-09-13. Next the change wheel assembly will need NOT inspection performed. R2 wheel assembly reinstalled onto aircraft in reference to Task for 40 SN chapter 33-40-02. R2 tire change since overhaul.

I certify the Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and is in compliance with the Approved Aircraft Inspection Program and is approved for return to service.

Signed Jeff Eckberg for Elliott Aviation of Minneapolis, LLC  
Chief Technician Page 1 of 1



## Work Order Summary

Customer Support

F A A CERTIFIED

REPAIR STATION NO. UCER345K

CUSTOMER	CUSTOMER P.O.	W.O. DATE	W.O. NUMBER
A J WALTER AVIATION LTD	BBR39721	03/13/2020	K206351
PN Shipped	NOMENCLATURE	QUANTITY	S/N REC. S/N RET.
66157-02	PMP05VC-75-02	1	K0509 K0509
TSN:	TSR: 6921.3	TSO:	TSR:
CSN:	CSI: 3344	CSO:	CSR:

Prime Part Number Shipped: 6629201000-013

**REASON FOR RETURN:**

AUX PUMP BRUSH LIGHT ON GROUND SERVICE PANEL ILLUMINATED AFTER FLIGHT. REPLACEMENT SOLVED THE ISSUE.

**RECEIVING TEST FAILURES: INSPECTION FAILURES:**

**Evaluate for repair:**

- : 24758 replaced with 24758 PLATE, IDENTIFICATION, MISSING (PART);
- : 24470 Serial ELD0706A replaced with 24470 Serial ELD479A DC MOTOR 48-16-1, ; 100.2 OHM;
- : Negative complaint received bent, split from parent job
- : 62638 replaced with 62638 SHAFT-EXT DR, WORN; FELINES MATING WITH MOTOR STEPPED
- : 62639 replaced with 62639 RING-RESTALLING, ;
- : 24539 replaced with 24539 SEAL, HOSE AIRT, SCRATCHED/PITTED; RUNNING SURFACE PITTED
- : 58712-AMW replaced with 58712-AMW SHAFT SLEEVE, ;
- : 58716 replaced with 58716 NUT, LOCK, CORROSION;
- : NS1132H08H20 replaced with NS1132H08H20 SCREW-CAP, ; Heads stripped
- : 55921 replaced with 55926 TRUNNION, WORN, 1 FINISHED
- : 55936 replaced with 55936 BEARING, NEEDLE, ; one time use

**ACTION TAKEN: Repair**

All above parts and related software have been replaced, repaired, or reworked.

Repaired Part: CMM 29-10-80, REV. 8 03/24/2015

Tested Part: CMM 29-10-80, REV. 8 03/24/2015

**SERVICE BULLETINS:**

SIL 186 (ID Plate change) (Incorporated)

Prepared By: Jeff Garner 03/27/2020

FAA Repairman Signature

THE AIRCRAFT COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Constant  
AVIATION

AIRFRAME LOG ENTRY

Date	Registration Number	Serial Number	TAT	TAC
16MAR2021	N480ES	2097	3048.4	2268

AMDL 24437 Replaced aux hydraulic pump/motor assembly with "REPAIRED" unit JAW Lear 40 MM 29-20-01. Ops and leak checks satisfactory. PN on/off: 66157-02. SN on: K0509, off: K0531. This clears AMDL 24437.

Aux pump/motor assembly repaired by Parker Hannifin Corp. CRS# UCER345K, dated 27MAR2020. Reference Parker Hannifin WO: BBR38721.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. Pertinent details are on file at the Certified Repair Station under work order AOG-32115

Signed   for Constant Aviation CRS# WC7R346J  
5211 Secondary Road, Cleveland, Ohio 441



WFO# 444475 Date: 4/8/2011  
Reg# 148065 Aircraft SN: 45-0097


ATT: 3008.7 ATC: 228



Airframe Log Entry

Elite Aviation of Mississippi, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2817

- \* Removed circuit breaker cables previously installed per MEL procedure on Jet Linx Aviation AML02441. Cleared obstructions from jet recessor pump. Flashed debris from pump. Cleared electrical contacts. Reinstalled inboard pump referencing Clean Flush Logjet 45 internally servicing book parts and user guide and Logjet 45 maintenance manual 28-30-01.
- \* Installed New Jet Linx Avionics service jet 8000-14 referencing Clean Flush Logjet 45 internally servicing book parts and user guide and Logjet 45 maintenance manual 28-30-01. See form 81903 dated 18/03/2018 from Sargent Inc. WFO 302281124. Serviced per end Operational Check satisfactory referencing Logjet 45 maintenance manual 28-30-01. The complete Jet Linx Aviation AML02441.

I certify that Airframe Log Entry was performed in accordance with the current regulations of the Federal Aviation Administration and that the person approved/signed inspection program and is approved for return to service.  
Signed:  for Elite Aviation of Mississippi, LLC  
CASA 10280084



# Maintenance Transaction Report



The Maintenance Transaction Report is To Be Satisfy For Bombardeir Learjet 40

Jet Linx Aviation, LLC  
1800 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1025

MA  
Serial No. 45-2097  
Airframe P-118941C  
Engine 1 P-118947C  
Engine 2

## Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Hrs	Ldg	2302	3,094.3	Airframe	ACH	Eng#1	Eng#2
45-2097	N480ES	13-Apr-2021							Enc	Enc

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Use Count	Man Hours
JLA-Onboarding	1	Ins									
Perform Flammability Testing Records Check to Ensure no Certifications from Big Wings Internt, Inc. Per SAFO 21002											

Verified that no burn certifications were from Big Wings Interiors.

Legend:

Inst. Types: PN - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service, W - Work, O - Other/Convenience

Work Performed By - Technician Strand, C John (A&P) 2864145	Inspector: Ril Inspector	Work Order No.: WO/N480ES/2021/0	Maintenance Log Section: Airframe	Maintenance Log Page: 1/1	Permanent Aircraft Record - File In Maintenance Log
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Signed

*[Signature]*  
4482884145

Date 4/13/2021

**EMERGENCY EQUIPMENT INSPECTION PROGRAM**

CABIN/COCKPIT FIRE EXTINGUISHERS INSPECTION FORM

A/C MAKE/MODEL Lear 40 N430E S/N 2092 A/C HOURS: 3094.3

EQUIP MAKE & MODEL Capt H3R Airways A344 A3080740 2014  
Amway 3362 S/N: 6029618 DATE: 2017

To be accomplished every twelve (12) calendar months or during each scheduled inspection, whichever comes first.

Remove fire extinguisher from the mounting bracket.	Inspector
Weight extinguisher- weight must conform to manufacturer's recommendations.	
Inspect container for dents, bulges, deep scratches or other visible damage. If damaged the bottle must be removed and replaced with a serviceable bottle.	
Inspect that the operational and other instructions are legible.	
Inspect safety pin and/or wire for condition.	
Inspect mounting bracket for security.	
Record inspection and affix tag to extinguisher in accordance with paragraph 5.	
Reinstall fire extinguisher in the mounting bracket and inspect fastener for condition, operation and security.	

An entry shall be made in the aircraft or equipment records in accordance with FAR Part 43.11 and on this form. A tag shall also be affixed to the fire extinguisher with the date, signature and certificate number of the person completing the inspection.

I certify the cabin/cockpit fire extinguisher(s) have been inspected in accordance with the procedures contained in the Jet Linx Aviation Corporation Emergency Equipment Inspection Program and is/are approved for return to service as airworthy.

Date: 4-15-21 A/C time: 3094.3 Next Due: 4-15-22

Signed: [Signature] Cert. # KX52005N1

W/O# 464466 Date: 4/15/2021  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 3094.3 ATC: 2302



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- Special Inspection
- \* Y2431005 - Performed battery connector tolerance check using battery connector gauge in reference to Learjet 40 maintenance manual 24-31-00
  - \* 28-CUS-003 - Performed portable fire extinguisher weight checks on both cabin and cockpit extinguishers.
  - \* 260000 - Performed cabin and cockpit fire extinguisher visual inspection. No fault found. Reference Learjet 40 maintenance manual 26-23-00
  - \* Complied with post maintenance functional and leak checks on LH and RH engines.
  - \* Z3020005 - Complied with detailed visual / borescope inspection of LH engine anti-ice tube assembly in reference to Learjet 40 Maintenance Manual 30-20-00
  - \* Z3020005 - Complied with detailed visual / borescope inspection of RH engine anti-ice tube assembly in reference to Learjet 40 maintenance manual 30-20-00
  - Overhaul/Replacement
  - \* D2810018 - Replaced Main Hydraulic Filter Manifold Elements with new P/N M88158-10 in reference to Learjet 40 maintenance manual 29-10-03
  - Maintenance Action
  - \* Replaced Aux hydraulic pump 1 amp circuit breaker with new P/N 7277-5-1. Removed RH PDP baggage heat RCCB P/N 430CC02 SN 7143 and installed in the left aft PDP aux pump position. Removed left aft PDP aux pump RCCB P/N 430CC02 SN 6735 and installed in the RH aft PDP baggage heat position in reference to Bombardier Reference Instruction Letter SF0002354718

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or the FAA's Approved Aircraft Inspection Program and is approved for return to service

Signed  for Elliott Aviation of Minneapolis, LLC  
CRSF KXSR003N





MA  
Serial No

45-2097

MA  
Engine 1

P-118947C

Jet Line Aviation, LLC  
19030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1826

### Maintenance Transaction Report

The Maintenance Transaction Report is To Be Soley For Bombardier Learjet 40

#### Aircraft Identification and Status

Aircraft Serial No	45-2097	Aircraft Reg. No.	N440ES	Date	21-Apr-2021	Hrs	1308.3	Ldg	2312	Arframe	ACH	Hrs	Eng1	Enc	Hrs	Eng2	Enc
<b>Component Changes, Inspections, Services Bulletins, Airworthiness Directives, and/or Snags Accomplished</b>																	
Item Code	Transaction No.	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	Removed	TAX	Instl Part	Instl Cost	Man Hours				
1	PN	Noise Landing Gear Tire		9544207-5		DEC78-44		W	O								
Off vendor part number 031-613-8, OH serial number 0017700342																	
2	PN	Noise Landing Gear Tire		031-613-8		0025100286		W	N								
Off vendor part number 031-613-8, OH serial number 0017700342																	
3	Sng	Noise tire worn															
Installed in Overhauled noise wheel assembly from Aircraft Specifier Inc. CUSA V720332L ref 8130-3 form trading # 160649 dated 3/24/2021. Ref L40 AMM 32-40-01 New Tire P/N 031-613-8 S/N 0025100286 P/N OH 9544207-5 S/N OH DEC78-44 P/N OH 9544207-4 S/N OH NOV06-10283																	

Reasons for Removal: D - Damaged; E - Ejection; F - Failure; L - Loose; P - Strip; S - Service; W - Worn; O - Other/Convenience

Inspected Part Status: N - New; O - Overhauled; R - Replaced; I - Inspected; L - Loose; U - Upgraded; S - Serviceable

Work Performed By Technician	3345020	Inspector	Fill Inspector
Service Center Jet Line OMA	Work Order No. N440ES-012-2021-04/21/042	Maintenance Log Section	Airframe
Signed <i>John M. Kelly</i>		Date	4-21-2021
Permanent Aircraft Record - E-1 in Maintenance Log			



# Work Order Summary

Customer Support  
 F.A.A. CERTIFIED  
 REPAIR STATION NO. UCER34SK

CUSTOMER	CUSTOMER P.O.	W.O. DATE	W.O. NUMBER
LEARJET BOMBARDIER	5800649578	04052021	K211156
P/N Shipped	NOMENCLATURE	QUANTITY	S/N REC. S/N RET.
65157-02	PMPUSVC-75-02	1	KZ2027 KZ2027
TSN:	TSR: 2011	TSO:	TSR:
CSN:	CSR: 1831	CSO:	CSR:

Prime Part Number Shipped: 6629201000-013:

**REASON FOR RETURN:**

PUMP ASSY. AUXILIARY HYDRAULICS S/N: K0226 IS WORKING INTERMITTENT

**RECEIVING TEST FAILURES: INSPECTION FAILURES:**

disassembled cleaned & tested for repair  
 : 24758 PLATE, IDENTIFICATION, ;  
 : 21502 GASKET, ;  
 : 24470 Serial ELE0541A replaced with 24470 Serial 383A DC MOTOR 48-16-1, ; Replaced per 7-card instructions.  
 : 62638 replaced with 62638 SHAFT-EXT DR, ; Stuck in motor  
 : 62639 RING-RETURNING, ;  
 : 58112-ANV replaced with 58112-ANV SHAFT SLEEVE, ; 1x use  
 : 5839C BEARING, NEEDLE, ;

**ACTION TAKEN:** Repair

All above parts and related software have been replaced, repaired, or reworked.

Repaired Part: CMM 29-10-60, REV. 8 03/24/2015  
 Tested Part: CMM 29-10-60, REV. 8 03/24/2015

**SERVICE BULLETINS:**

SIL 186 (ID Plate change) (Incorporated)

Prepared By: Jeff Garner 04/16/2021

FAA Repairman Signature

THE AIRCRAFT COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

WO# 464508      Date: 4/28/2021  
Reg# N480ES      Aircraft SN: 45-2097  
ATT: 3114.1      ATC: 2317



Airframe Log Entry

Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

- \* Overhaul/Replacement  
Removed and replaced auxiliary hydraulic pump in reference to Learjet 40 maintenance manual, chapter 29-20-01. Removed aux hydraulic electric pump P/N 66158-02 S/N K0509. Installed repaired pump assembly P/N 66157-02 S/N KZ2027 by Parker Hannifin Corporation, under WVO 5800649678 on 8130 form dated 16APR2021. Performed bleeding of the emergency / parking brake system in reference to Learjet 40 maintenance manual 32-41-01. Airworthiness Directive
- \* AD 2019-09-08 United Parachute technologies containers, effective date May 7, 2021. Found to be not applicable, not installed on this airframe.
- \* Maintenance Action  
Removed and replaced cockpit eye reference locator ball assembly P/N 4525103009-013 on cockpit window center post in reference to Learjet 40 maintenance manual 25-10-45

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Pilot Program approved Aircraft Inspection Program and is approved for return to service

Signed \_\_\_\_\_  
Jeff Spiesberg

for Elliott Aviation of Minneapolis, LLC  
CRSN KX6R005N

WOC# 464524      Date: 5/10/2021  
Reg# N480ES      Aircraft SN: 45-2097  
ATT: 3127.8      ATC: 2332



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

-----  
Airframe Log Entry

Maintenance Action

- \* AMDL 24443. Inspected aux hydraulic system filters, reinstalled with new o-rings, ph 1M83461/1-018 and performed bleeding of aux hydraulic system referencing Learjet 45 maintenance manual 29-20-02. Inspected relays K11, K14, K15 for condition and security of mounting. Performed functional check of aux hydraulic system referencing Learjet 45 Maintenance Manual 29-20-02. No discrepancies noted.
- \* Completed Jet Linx pre- post flight checklist.

I certify that Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service.

Signed  David Nelson

for Elliott Aviation of Minneapolis, LLC  
CR# KX5F005N



MA

Serial No

45-2097

P-116948C

P-116947C

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1026

### Maintenance Transaction Report

The Maintenance Transaction Report is To Be Solely For Bomberjet Learjet 40  
Airframe Engine 1 Engine 2

### Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	Hrs	Ldg	ACH	Engine1 Hrs	Eng Enc	Engine2 Hrs	Eng Enc
45-2097	N480ES	13-Jul-2021	3,213.4	2,408		3,213.4	2,408	3,213.4	2,408

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Met. Cost	Main Hours
	1	PN Main Landing Gear Wheel	No.3	3-1545-1		3494	S	O			
Compliance note Ref Transaction No 5. Off vendor part number- 3-1545-1. Off serial number: 0990											
	2	PN No 3 Main Landing Gear Tire	No.3	226K08-4		03180620	W	N	TSN 0 Hrs. 0 Ldg		
Compliance note Ref Transaction No. 5. Off vendor part number 226K08-4. Off serial number 00410598											
	3	PN Main Landing Gear Wheel	No.4	3-1545-1		3433	S	O			
Compliance note Ref Transaction No 6. Off vendor part number 3-1545-1. Off serial number: 0633/0755											
	4	PN No 4 Main Landing Gear Tire	No.4	226K08-4		03250645	W	N	TSN 0 Hrs. 0 Ldg		
Compliance note Ref Transaction No 6. Off vendor part number 226K08-4. Off serial number 91732833											
	5	5ng #3 Main Landing Gear tire worn									
Compliance note Removed and replaced number three main landing gear wheel assembly with an overhauled unit in reference to Learjet 40 M.M. 32-40-02. PN off/on 3-1545-1. SN off 0990. SN on 3494. New tire PN 226K08-4. SN on 03180620. Unit overhauled by SCRN Cert 4SMR148C. WO: 3609 dated 22/Mar/2021.											
	6	5ng #4 Main Landing Gear tire worn									
Compliance note Removed and replaced number four main landing gear wheel assembly with an overhauled unit in reference to Learjet 40 M.M. 32-40-02. PN off/on 3-1545-1. SN off 0633/0755. SN on 3433. New tire PN 226K08-4. SN on 03250645. Unit overhauled by SCRN Cert 4SMR148C. WO: 3609 dated 22/Mar/2021.											

#### Legend:

1st Types PN Component Ins. Inspection, SB- Service Bulletin, AD- Airworthiness Directive, 5ng- Snag, Pkg- Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Swap, S - Service, W - Worn, O - Other/Convenience  
Installed Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Leaker, U - Upgraded, S - Serviceable

Service Center	Work Order No	Maintenance Log	Airframe	Maintenance Log Page	1/1
DeWolf, Andrew (A&P) 40531751	N480ES-020-2021	07-12/054			
Inspector	RII Inspector	Date 7/13/21			
DeWolf, Andrew (A&P) 40531751		Permanent Aircraft Record - File In Maintenance Log			



JETLINX

# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Solved For Bomber/Jet Lanjet 40 Aircraft Engine 1 Engine 2

MA  
Serial No 45-2097 P-118948C P-118947C

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA 68144  
402-315-1025

## Aircraft Identification and Status


Aircraft Serial No	Aircraft Reg No	Date	His	Ldg	2,427	3,240	4	2,427	3,240	4	2,427	3,240	4	2,427	3,240	4	2,427
45-2097	N480ES	23-Jul-2021															

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man. Hours
000020	1	Ins	Perform Preflight Inspection									
	Compliance note Complied with task IAW Jetlinx Pre & Post Flight Checklist											
000021	2	Ins	Monthly Maintenance Items Check									
	Compliance note Complied with task IAW Jetlinx Monthly Maintenance Items Checklist											
23753	3	Snrg	Passenger seat in lavatory has an operative seat belt and is considered inoperative									
	Compliance note Found missing bolt and reinstalled seat belt IAW Lear40 MM 20-20-40 This clears MEL 25-20-02 Reference AMDL 23753											
259320	4	Ins	First Aid Kit Inspection									
	Compliance note Inspected First Aid Kit per Jet Linx AAP Emergency Equipment Inspection Program											
260000	5	Ins	Cabin & Cockpit Fire Extinguisher Visual Inspection									
	Compliance note Complied with task IAE Lear40 MM 26-23-00											
AFM0000	6	Ins	Verify revision status of AFM									
	Compliance note Complied with task IAW Lear40 AFM Model 45 Aircraft 45-2001 thru 45-4000, FM-1328											

Legend:

Task Types: PN - Component Ins - Inspection SB - Service Bulletin AD - Airworthiness Directive Sng - Snrg Prg - Package  
Reasons for Removal: D - Damaged E - Expiration F - Failure L - Loaner P - Swap S - Service W - Warn O - Other/Convenience  
Installed Part Status: N - New O - Overhauled R - Replaced I - Inspected L - Loaner U - Upgraded S - Serviceable

Work Performed By Technician	Southern James AAP	Inspector	Southern James AAP	Fill Inspector	Work Order No	N480ES 021-2021	Maintenance Log	Airframe	Maintenance Log	Page	1/1	Permanent Aircraft Record - File In Maintenance Log
Service Center	Southern James AAP 3587783											
Signature	 JHP 3587783 Date 7/23/21											

I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal Aviation Regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service



JETLINK

MA  
Serial No. 45-2997

Aircraft

Engine 1  
Engine 2

Jet Line Aviation, LLC  
13830 Pierce Street, Suite 100  
Omaha, NE USA 68144  
402-315-1225

### Maintenance Transaction Report

The Maintenance Transaction Report is To Be Solved For Bombardier Learjet 40

### Aircraft Identification and Status

Accret Serial No.	Accret Reg. No.	Date	HA	Ldg	ACH	HA	Eng1	Eng2
45-2997	N480ES	15-May-2021	3,135.9	2,340				

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No. Type	Item Name	Position	Insulated Vendor Part Number	Label	Insulating Seal Number	Reason for Removal	Insulated	TSX Insulated Part	Label Code	Item Hours
	1	PN	Main Landing Gear Wheel	No.1	3-1545-1			W			0
			Off vendor part number 3-1545-1, Off serial number 2791								
	2	PN	No. 1 Main Landing Gear Tire	No.1	226-608-4			W			N
			Off vendor part number 226608-4, Off serial number 91802376								
	3	PN	Power Distribution Panel	Alt- L/R	660CC02707			762			F T
			Off vendor part number 660CC02707, Off serial number 550								
24444	4	Sng	Number one tire worn								
			Compliance note: Installed Overhauled No. 1 main wheel from Aircraft Specialties Inc. CIS # VT28252L, Reference 8130-3 form tracking No. 167108 dated 13/May/2021. Work performed with reference to Lear 40 AMM 32-40-02								
			New Tire P/N on 226608-4, Tire S/N on 10550952								
			P/N on/off 3-1545-1 S/N on 2791, S/N on 3018								
24445	5	Sng	AUX Hyd Pump power circuit breaker popped on short								
			Compliance note: Installed inspected condition left rear Power distribution panel from Diamond Aviation LLC CIS# 3248032C, Reference 8130-3 form tracking No. N4580P-064 dated 4/9/2020 Auxiliary hydraulic system checks satisfactory. Electrical operational check satisfactory. Work performed with reference to Lear 40 AMM 24-60-03								
			P/N on/off 660CC02707, S/N off 550, S/N On 752								

Legend:

Reason for Removal: D - Damaged, E - Expiration, F - Failure, L - Loose, P - Snag, S - Service, W - Worn, O - Other/Conformance

Work Type: PN Component Ins - Inspection, SB, Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Prg - Package


Inspected Part Status: N - New, O - Overhauled, R - Replaced, I - Inspected, L - Loose, U - Upgraded, S - Serviceable

Work Performed By: Technician Greenwood, John (ADP) Inspector: 3345030 RII Inspector: 3345030

Service Center: Greenwood, John (ADP) Work Order No: N480ES-015-2021-05-13/047 Maintenance Log Section: Airframe Maintenance Log Page: 1/1

I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and is approved by flight to service.

Signed: [Signature] Date: 5-15-2021 Permanent Aircraft Record - File In Maintenance Log

 <b>DUNCAN AVIATION</b>	Reg #:	N480ES	Date:	23JUN2021
	Make:	Learjet	Total Time:	3179.0
	Model:	45	Landings:	2376
	Serial:	2097	Work Order:	861LA

**Enhanced Ground Proximity Warning System Terrain Data Base:**

1. Updated Terrain Database version from 615 to 621.
2. Work and testing performed IAW Honeywell Service Bulletin 965-0976/1690-34-125.

3. MARK V P/N: 965-0976-040-218-218, S/N: 22892.

1. Verify the above listed maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration or for Term, Inspection, Approval and/or Inspection Program and is approved for return to service. Return details of this work for maintenance on file at the shop location under Work Order # 861LA.

Signed:

*David Kogut* *DI*

23JUN2021

For Duncan Aviation CRS/DSSR/OTX Phone: 651-309-8430



MATERIAL INFORMATION FOR AIRCRAFT SERVICE ORDER			
QTY	NOMENCLATURE	PART NUMBER OFF SERIAL # OFF	PART NUMBER ON SERIAL # ON

MATERIAL INFORMATION FOR COMPONENT SERVICE ORDER			
QTY	NOMENCLATURE	PART NUMBER OFF SERIAL # OFF	PART NUMBER ON SERIAL # ON
13	CLAS SECT BRACE ACTUATOR	320-0303-001/H1145	MFR #: 308 0073201 SERIAL #: PREL:0659
12	CLAS BRACKET SERIAL #		MFR #: 482731458 SERIAL #:

The aircraft or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations. Found airworthy with respect to the work performed.

Performed By:	AM 5352 CT	Inspected By:	AM 6262 CT	FLY	FLY
JUN 9 2021	JUN 18 2021	JUN 18 2021	JUN 18 2021	JUN 18 2021	JUN 18 2021

71871 3571  
QA 003 (REV) 11/1

# BOMBARDIER

the evolution of mobility

Lesair Inc.  
 Wichita Service Center  
 Bldg 7, Dept. 10, 8220 W. 44th  
 Wichita, KS 67229-2828  
 1-316-946-2000  
 FAX/CRS# 1X32891K

## SERVICE ORDER CORRECTIVE ACTION SUPPLEMENT

Date: 23JUN2021  
 2376

NASOLS  
 Total Time: 3179.0

Work Order Number: 4807386

4807386

Service Order Number: 20254033

Aircraft Model and Serial Number

Page 2 of 2

Service Order Control Number:

Registration:

Nomenclature: ACTUATOR, SIDE BRACE (RH)

Part Number: 200-0300-007/65582  
 MM  
 21

Serial Number: H1508

**CORRECTIVE ACTION:**

NOV 11/21, UNIT FUNCTIONAL TESTED GOOD, SAFETY WIRED AND SEALED END CAP, INSTALLED PUMPING, COMPUED

WITH IIRN 132201052 AND S/R 40-32-16, UPDATED PIN TO 200-0300-006 PER S.B. CSN 2376. JOHN SLUSHER 53862.

**JUN 18 2021**

61821

continued on back

QA 003 Rev 811

# BOMBARDIER

Leorat Inc  
Wichita Service Center  
Bldg 7, Dock 10, 8220 W. Harry  
Wichita KS 67209 2924  
1-316-946-2000  
FAA/CRS# LK28981K

# COMPONENT SERVICE ORDER

Page 1 of 2

Work Order Number: 4807386	Service Order Number: 20254033	SVO Control Number:	Work Center: 1AGNHL	Required Date: 2021/06/22
Customer Name: Elliott Aviation	Purchase Order: 217334	Originating SVO Number:	ATA Code:	RII: NO
Aircraft Model and SN:	Registration:	Nomenclature: ACTUATOR, SIDE BRACE (RH)	Part Number: 200-0300-004	Serial Number: H1508
Aircraft Hours: -	Component Hours: 3179.1	Component Cycles: 2376.0	New Part Number: 200-0300-006	New Serial Number: H1508
Date Discrepancy Entered: -02/06/18	Written By: LEXI MIESKE	Date Authorized to Work: 2021/05/18	Authorized By: LEXI MIESKE	Location: IWA-C
DISCREPANCY TASK: SDUAWK: End Cap Replacement				Reason for Removal (Select one)
A/C: 45-2697				<input checked="" type="checkbox"/> Scheduled
TIMES: 3179.1 CYCLES: 2376				<input type="checkbox"/> Failed
Comply with Preliminary Inspection:				<input type="checkbox"/> Worn to Limit
Date: JUN 18 2021				<input type="checkbox"/> DCA
Performed By: JUN 18 2021				<input type="checkbox"/> Other

### CORRECTIVE ACTION:

DISPOSTN - 0060 - TEARDOWN REPORT

FOLLOWING WORK PERFORMED IS IN ACCORDANCE WITH LEARJET 40 MAINTENANCE MANUAL MM-105 CHAPTER 5-19-01

IRM 13220105 REV#44, DATED APR 23/21. SERVICE BULLETIN 40-32-16 REV #1 DATED MAY 11/15 AND LEARJET

CMM-003 32-29-10, REV #9, DATED NOV 14/19, RECEIVED WITH PLUMBING, REMOVED PLUMBING, UNIT INITIAL FIT

GOOD, DISASSEMBLED, CLEANED AND INSPECTED AT END CAP. REPAIRED ACTUATOR, RESEALED AND ASSEMBLED USING NEW

PARTS LISTED, REPLACED END CAP S/N H1145 WITH NEW STEEL END CAP S/N PRE13C-0659, USED TORQUE WRENCH L1786

MATERIAL INFORMATION

QTY	NOMENCLATURE	PART NUMBER OFF / SERIAL NUMBER OFF	PART NUMBER ON / SERIAL # ON
1A	PACKING PREFORMED H	MPN #: M83461 233 SERIAL #:	
1A	PACKING PREFORMED H	MPN #: M83461 1016 SERIAL #:	
1A	RING BACKUP	MPN #: M527535 233 SERIAL #:	
1A	PACKING O RING	MPN #: M83461 2 906 SERIAL #:	
1A	PACKING PREFORMED H	MPN #: M83461 2 904 SERIAL #:	
1A	SEALANT SEMI T 2 5 0	MPN #: 88501 2 655 SERIAL #:	

The component identified above was repaired and inspected in accordance with current Federal Aviation Regulations, found airworthy and is approved for return to service with respect to the work performed.

Approved By: \_\_\_\_\_ Inspected By: **See Sheet QA-003**

Work Order: \_\_\_\_\_

Willing:  Estimate  Guarantee

Work Order:  Rework  No Charge  Warranty Consideration

Additional Labor and Material Estimate \$: \_\_\_\_\_

Date: \_\_\_\_\_ Total \$ Est. \_\_\_\_\_ Auth by: \_\_\_\_\_

QA 005 (Rev B1)



**BOMBARDIER**  
the evolution of mobility

Lesjet Inc.  
Wichita Service Center  
Bldg 7, Dock 10, 8220 W. Harry  
Wichita KS 67209-2824  
1-316-946-2000  
FAA/CRS# LK2R981K

**SERVICE ORDER  
CORRECTIVE ACTION  
SUPPLEMENT**

Work Order Number: 4807378	Service Order Number: 20253892	Service Order Control Number:
Registration:	Aircraft Model and Serial Number:	Page 2 of 2
Manufacturer: ACTUATOR, SIDE BRACE (LH)	Part Number: 200-0300-003 405	Serial Number: H0524

**CORRECTIVE ACTION:**

DUE NOV 11/21. UNIT FUNCTIONAL TESTED GOOD. SAFETY WIRED AND SEALED END CAP. INSTALLED PLUMBING. COMPLETED WITH IRI 13220105 ASD S/B 40-32-16. UPDATED PIN TO 200-0300-005 PER S/B. CSN:2378. JOHN GUSHER 53862.  
E-15-21 53862  
JUN 15 2021

continued on back

DA 003 (Rev 8/11)

Statements in Blocks 2 statements in blocks...  
national regulations by the user/installer before the aircraft may be used...  
8100 3/02 141

# BOMBARDIER

the evolution of mobility

Learjet Inc.  
 Wichita Service Center  
 Bldg 7, Dock 10, 8220 W. Harry  
 Wichita KS 67209-2924  
 1 316 946 2007  
 FAA-CRS# LK2R981X

# COMPONENT SERVICE ORDER

Page 1 of 2

Work Order Number: 4807376	Service Order Number: 20253892	SVO Control Number: 1AGNHL	Work Center: 2021/06/19	Required Date: 2021/06/19
Customer Name: Elliott Aviation	Purchase Order: 217334	Originating SVO Number: ATA Code:	ATA Code: RIL: NO	
Aircraft Model and SN:	Registration: ACTUATOR, SIDE BRACE (LH)	Part Number: 200-0300-003	Serial Number: H0524	Serial Number: H0524
Aircraft Hours: 3179.1	Component Hours: 2376.0	New Part Number: 200-300-005	New Serial Number: H0524	
Discrepancy Entered: 2021/06/15	Written By: LEXI WIESKE	Date Authorized to Work: 2021/06/15	Authorized By: LEXI WIESKE	Location: IMAC
<b>DISCREPANCY TASK:</b> SQUAWK: End Cap Replacement A/C:45-2097				Reason for Removal (Select one)
TIMES:3179.1 CYCLES:2376				<input checked="" type="checkbox"/> Scheduled
				<input type="checkbox"/> Failed
				<input type="checkbox"/> Worn to Limit
				<input type="checkbox"/> DOA
				<input type="checkbox"/> Other
Comply with Preliminary Inspections:	Date: <b>JUN 15 2021</b>	Performed By: <b>JUN 15 2021</b>	Rate: <b>\$382</b>	
<b>RECTIVE ACTION:</b> PROSTN - 0060 - TEARDOWN REPORT				
THE FOLLOWING WORK PERFORMED IS IN ACCORDANCE WITH LEARJET 40 MAINTENANCE MANUAL MM-105 CHAPTER 5-19-01 IRN T3220108 REV#44, DATED APR 23/21, SERVICE BULLETIN 40-32-18 REV #1 DATED MAY 11/15 AND LEARJET CMW-003 32-29-10, REV #9, DATED NOV 14/19, RECEIVED WITH PLUMBING. REMOVED PLUMBING. UNIT INITIAL FIT GOOD, DISASSEMBLED, CLEANED AND INSPECTED AT END CAP. REPAIRED ACTUATOR, RESEALED AND ASSEMBLED USING NEW PARTS LISTED, REPLACED END CAP S/N H1188 WITH NEW STEEL END CAP S/N PRE13C-0728. USED TORQUE WRENCH L1786				
MATERIAL INFORMATION				
QTY	NOMENCLATURE	PART NUMBER OFF / SERIAL NUMBER OFF	PART NUMBER ON / SERIAL # ON	
1EA	PACKING, P/FORMED, H		MPN #: M33611-333 SERIAL #:	
1EA	PACKING, PERFORMED, H		MPN #: M33611-018 SERIAL #:	
1EA	BING, BACKUP		MPN #: 0327598-233 SERIAL #:	
1EA	PACKING, O RING		MPN #: M034612-906 SERIAL #:	
1EA	PACKING, PERFORMED, H		MPN #: M034612-904 SERIAL #:	
1EA	SEALANT, SILICAT 750		MPN #: 8908T-3655 SERIAL #:	
The component identified above was repaired and inspected in accordance with current Federal Aviation Regulations, found airworthy and is approved for return to service with respect to the work performed.				
Performed By:	Inspected By: <b>See Sheet QA-403</b>	FT:	Closed:	
Billing: <input checked="" type="checkbox"/> Estimate <input type="checkbox"/> No Charge <input type="checkbox"/> Material Consideration <input type="checkbox"/> Rework <input type="checkbox"/> Guarantee		Additions to Labor and Material Estimate \$: Date Total \$ Est. Auth by QA-005 (Rev BTI)		

WOW 464533 Date: 6/24/2021  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 3179 0 ATC: 2376



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- Inspection
- \* Completed with Phase A1 through A6 300 hour checks using Learjet 40 Maintenance Manual 05-11-01 - 05-11-06 checklists
- \* 349000 - Complied with Jet Linx Aviation AAMP Avionics Inspection section one ELT P/N 433-5000-C069, S/N 170-14274 found to be in compliance of FAR 91.207(g). Battery expiration date 08/2025
- \* 348001 Complied with Jet Linx Aviation Learjet Model 40 AAMP Avionics Inspection Program section two 24 month checks

- Special Inspection
- \* 080005 Deleted, sampled and weighed aircraft on Evergreen Load Cell weighing system (calibration date 06/2020) with full oil, fuel hydraulic and toilet service referencing Learjet 40 maintenance manual 08-10-00. Aircraft weight and balance updated in Flight Manual
- \* 000021 - Complied with Jet Linx Aviation monthly maintenance items check
- \* 219001 - A/C Hobbs meter reading 0187 1
- \* 259990 - Complied with visual inspection of 2011 AED Plus defibrillator battery status and self check satisfactory
- \* 260000 - Complied with cabin and cockpit fire extinguisher visual inspection / weight check
- \* P1121000 - Replaced Pirel and Copoloids Daviton dock batteries P/N E90-N mfg date 02/19, steel file 12/2023

- \* T1220105 - Replaced left side brace actuator P/N 843310100-003 S/N H9524 for end cap replacement. Installed repaired actuator P/N 200-0300-005, S/N H9524 referencing Learjet 40 maintenance manual 32-30-01. See form 8130-3 dated 18/JUNE/2021 from Bombardier Aerospace VNO 20253892. Actuator S/N H9524 cycles since New 2378 Landing gear, rigging and operational check satisfactory referencing Learjet 40 maintenance manual 32-30-01
- \* T1220105 - Removed right side brace actuator P/N 843310100-004, S/N H1508 for end cap replacement. Installed repaired actuator P/N 200-0300-006, S/N H1508 referencing Learjet 40 Maintenance Manual 32-30-01. See form 8130-3 dated 18/JUNE/2021 from Bombardier Aerospace VNO 20254023. Actuator S/N H1508 cycles since New 2378 Landing gear, rigging and operational check satisfactory referencing Learjet 40 maintenance manual 32-30-01

- \* W5510091 - Complied with detailed visual inspection of horizontal stabilizer hinge primary and secondary pivot pins
- Alrewhithness Directive
- \* AD 2010-10-05 Rodinal Collins FMC P121, stable temperature compensation, effective date June 24, 2020 found to be not applicable by manufacturer of system currently installed
- Instructions for Continued Alrewhithness

- \* KCAS398-111.1 Complied with Annual ATG 5000 Annual Inspection in accordance to Elliott Aviation (CA-3385-111)
- \* Complied with US Configuration LLC Admission of W/FI & T/FED Issuing Learjet Model 45 ICA Doc No. 065-2325-C01-00 Rev. 4.0 600WZ24month inspection
- Maintenance Action

- \* Installed new radome erosion boot P/N PM-112
- \* Applied new polyurethane erosion tape to #1 COM lower antenna
- \* Adjusted flight compartment phone handset base locking mechanism for correct operation.
- \* Applied new polyurethane erosion tape to #1 DME antenna
- \* Resealed fasteners on upper TCAS and GPS antennas
- \* 34-00-00 Updated New Database Workorder 40001. Expiration date 15/JUL/21.
- \* Resecured #2 glide-scope antenna in radome referencing Learjet 40 maintenance manual 34-30-02
- \* Resecured fit fitting in lav service panel
- \* Installed new cabin door cable P/N 4552100223-001, cover P/N 4552100012001, and pulley P/N MSZ4566-1B
- \* Touched up missing paint on left elevator trim bp
- \* AMDL 24447 Troubleshoot right windshield heat fail CAS message. Performed functional check referencing Learjet 40 maintenance manual 30-4-00 Operation subfactory. This action clears AMDL 24447

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Linx Avionics Approved Aircraft Inspection Program and is approved for return to service

Signed  for Elliott Aviation of Minneapolis, LLC  
CRS# KXSR005H

David Nelson


Aircraft Serial No	45-2097	Aircraft Reg No	N480ES	Date	29-Jun-2021	Hrs	3,183.5	Ldg	2,379	PH	ACH	Hrs	PH	PH	PH
<b>Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished</b>															
Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat Coat	Man Hours			
1	PN	AC 5 KVA Alternator		No 2	90278-2			829	P						
Compliance note: Complied with Learjet 40/45 Smartfix troubleshooting guide R WSHLD HT FAIL with no defects noted. Swapped left alternator P/N 90278-2, S/N 829 to the right position and swapped the right alternator P/N, S/N 1066 to the left position. Operational checks satisfactory at this time. Work performed IAW Learjet 40 AMM 24-20-01. This clears MEL 30-40-01 Reference AMDL 2448. Off vendor part number 90278-2. Off serial number 1066															
2	PN	AC 5 KVA Alternator		No 1	90278-2			1066	P						
Compliance note: Complied with Learjet 40/45 Smartfix troubleshooting guide R WSHLD HT FAIL with no defects noted. Swapped left alternator P/N 90278-2, S/N 829 to the right position and swapped the right alternator P/N, S/N 1066 to the left position. Operational checks satisfactory at this time. Work performed IAW Learjet 40 AMM 24-20-01. This clears MEL 30-40-01 Reference AMDL 2448. Off vendor part number 90278-2. Off serial number 829															
24448	3	Snag	AMDL 24448 - "Right Windshield Heat Fail" CAS												
Compliance note: Complied with Learjet 40/45 Smartfix troubleshooting guide R WSHLD HT FAIL with no defects noted. Swapped left alternator P/N 90278-2, S/N 829 to the right position and swapped the right alternator P/N, S/N 1066 to the left position. Operational checks satisfactory at this time. Work performed IAW Learjet 40 AMM 24-20-01. This clears MEL 30-40-01 Reference AMDL 2448															

**Legend:**

Task Types: PN - Component Ins. Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Swap, S - Service, W - Worn, O - Other/Convenience

Installed Part Status: N - New, O - Overhauled, R - Repaired, I - Inspected, L - Leaker, U - Upgraded, S - Serviceable

Work Performed By	Technician	Southern, James (ALP)	Inspector	Southern, James (ALP)	Fill Inspector:		
Service Center	KPVK	Work Order No	N480ES-017-2021-	Maintenance Log Section	Airframe	Maintenance Log Page	
			06-26 / 050			1/1	
I certify that the above stated maintenance and/or inspection has been performed in accordance with current Federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service							
Signed	 J. ALP 3587783					Date	6/29/21
						Permanent Aircraft Record - File In Maintenance Log	



# JET LINX AVIATION, LLC

## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

DATE:	7-14-2021	NR:	48065	ACTI:	3244.7	ACTL:	2408	TRP IDS:	779649
Eng 1 TC:	3244.7	Eng 2 TC:	3244.7	Eng 3 TC:	---	APU TC:	---		
Eng 1 TC:	2408	Eng 2 TC:	2408	Eng 3 TC:	---	APU TC:	---		
Signature:	[Signature]		Printed Name:	Eric Davidson	Grade:	Crew Chief	Leg #:	3	
Discrepancy:	Passenger Seat in lavatory has an inoperative seat belt and is considered inoperative.								

Detained By:	Eric Davidson	Date:	7-14-2021	MEL Ref:	25-20-02	Category:	A B C D
MEL Entry:	Operation Barman per MEL 25-20-02 Affected seat placard "Do Not Bypass"						
Signature:	[Signature]	Date:	7-14-2021	MEL Expiration Date:	11-14-2021		
Engine:	1	2	3	Extension Authorized By:		Date Authorized:	
Reason for Extension:	Extended to:						

Corrective Action:	Repair Date:	ACTI:	ACTL:
Engine:	1 2 3 APU	3840.4	2427
Repair Action:	Found missing belt reinstalled per seat belt RR Let LPA man 20-20-40. His checks MEL 25-20-02.		
Signature:	[Signature]	Printed Name:	Romeo Sotola
Certificate #:	APP 3587763	Facility Location:	FCM

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)

# JET LINX AVIATION, LLC

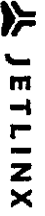
## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date:	7/23/21	N#	N4665	ACT#	32404	ACTL	2422	TOD#	32404
Eng 1 TC:	32404	Eng 2 TC:	32404	Eng 3 TC:	32404	APU TC:		APU TC:	
Eng 1 TC:	8429.0	Eng 2 TC:	8429.0	Eng 3 TC:	8429.0	APU TC:		APU TC:	
Signature:	<i>[Signature]</i>			Printed Name:	James Siskok		Circle:	Crew / ACD	Log #
Discrepancy:	The #2 left EB max time is low.								

Ordered By:	Date:	MEL Ref:	Category:
MEL Entry:			A B C D
Signature:	Date:	MEL Expiration Date:	
Circle:	1 2 3	Extension Authorized By:	Date Authorized:
MEL Ext:	1 2 3	Reason for Extension:	Extended to:

Repair Action:	Repair Date:	ACT#	ACTL
Engine:	7-23-21	32404	2422
Engine:	1 2 3 APU	Engine TC:	
Repair Action:	Removed #2 main wheel assembly P/N 3-1545-1 S/N 2344 with the P/N 226K08-4 S/N 22692212. Installed overhauled wheel / tire assembly P/N 3-1545-1 S/N 2191, tire P/N 226K08-4 S/N 2263057. Reference S/n 2191 Green Aircraft Specialists Inc under LD 161937 and 2370212021 take down ref to LS 40 M.M 32-40-02		
Signature:	<i>[Signature]</i>	Printed Name:	Jack Selberg
Certificate #:	CAS 1552005N1	Release (if required):	
Name of Facility:	Elliot Aviation	Facility Location:	KECM

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)



MA

Serial No.

45-2097

P-116948C

P-116947C

# TRAXXALL Maintenance Transaction Report

This Maintenance Transaction Report is To Be Solely For Bomberdier Learjet 40

Aircraft

Engine 1

Engine 2

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

## Aircraft Identification and Status

Aircraft Serial No.	Aircraft Reg. No.	Date	Airframe		Engine 1		Engine 2	
			Hrs	Ldg	Hrs	Enc	Hrs	Enc
45-2097	N480ES	23-Jul-2021	3,240.4	2,427	3,240.4	2,427	3,240.4	2,427

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man Hours
000020	1	Ins	Perform Preflight Inspection									
Compliance note: Complied with task IAW Jetlinx Pre & Post Flight Checklist												
000021	2	Ins	Monthly Maintenance Items Check									
Compliance note: Complied with task IAW Jetlinx Monthly Maintenance Items Checklist												
23753	3	Sng	Passenger seat in lavatory has an inoperative seat belt and is considered Inoperative.									
Compliance note: Found missing bolt and reinstalled seat belt IAW Lear40 MM 20-20-40. This clears MEL 25-20-02. Reference AMDL 23753.												
259320	4	Ins	First Aid Kit Inspection									
Compliance note: Inspected First Aid Kit per Jet Linx AAP Emergency Equipment Inspection Program												
260000	5	Ins	Cabin & Cockpit Fire Extinguisher Visual Inspection									
Compliance note: Complied with task IAE Lear40 AMM 26-23-00.												
AFM0000	6	Ins	Verify revision status of AFM									
Compliance note: Complied with task IAW Lear40 AFM Model 45-2001 thru 45-4000, FM-1328.												

### Legend:

Task Types: IM - Component Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Seize, W - Warn, O - Other/Convenience

Installed Part Status: N - New, O - Overhauled, R - Repaired, I - Inspected, L - Loaner, U - Upgraded, S - Serviceable

Work Performed By: Technician: Southern, James A&P 3587783 Inspector: Southern, James A&P 3587783 RII Inspector:

Service Center: Southern, James A&P 3587783 Work Order No.: N480ES-021-2021-07-14/055 Maintenance Log Airframe Section: Maintenance Log Page: 1/1

I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service. Signed: *[Signature]* Date: 7/23/21 Permanent Aircraft Record - File in Maintenance Log

WOW# 464651 Date: 7/23/2021  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 3240.4 ATC: 2427



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

**Maintenance Action**  
\* AMDL 23754-Removed #2 main wheel assembly P/N 3-1545-1 SN 2344 with the P/N 228K08-4 SN 81692712 installed overhauled wheeltire assembly P/N 3-1545-1 SN 2791, the P/N 228K08-4 SN 10830557 Reference Form 8130 from Aircraft Specialties Inc under W O 161937 dated 23/Jun/2021 Work done in reference to Lear Jet 40 maintenance manual 32-40-02

I certify the Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet/Lessors Approval and Aircraft Inspection Program and is approved for return to service

Signed Jeff Solberg

for Elliott Aviation of Minneapolis, LLC  
CRS# KXSR005N



MAKE: Leer 40  
ACTT 3248.7 ACTL:2434

N480ES  
DATE: 7/28/2021

1. Performed FOD inspection IAW Leer 40 aircraft maintenance manual CH:05-50-00-001. No defects noted at this time.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service

Signed:  A&P 3949289

# JET LINX AVIATION, LLC

## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date:	7-28-2021	NR	480ES	ACT#:	3248.7	ACT#:	2434	Tip ID#	784633
Eng 1 TT:	3248.7	Eng 2 TT:	3248.7	Eng 3 TT:	—	APU TT:	—		
Eng 1 TC:	2434.0	Eng 2 TC:	2434	Eng 3 TC:	—	APU TC:	—		
Signature:	<i>[Signature]</i>	Printed Name:	Lee Steffes	Circle:	Crew / Mech.	Lang #	4		
Discrepancy:	Bird strike to the left windshield just after takeoff.								

Deferred By:	Date:	MEL Ref:	Category:	A B C D
MEL Entry:				
Signature:	Date:	MEL Expiration Date:		
Circle		Extension Authorized By:	Date Authorized:	
MEL Ext:	1 2 3			
Reason for Extension:		Extended to:		

Corrective Action	Repair Date:	7-28-2021	ACT#:	3248.7	ACT#:	2434
Engine:	1 2 3	APU	Engine TT:		Engine TC:	
Repair Action:	Performed EOD inspection this was no aircraft MMOS-50-00-001. No birds at all of this type.					
Signature:	<i>[Signature]</i>	Printed Name:	Lygett Gibson			
Certificate #:	3444 Z84	RII Insp (if required):	NR			
Name of Facility:	Lynnston Aviation	Facility Location:	RAVO			

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)

# JET LINX AVIATION, LLC

## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date:	8-2-21	HR	48065	ACFT:	3258.8	ACTL:	2443	Trip ID#
Eng 1 TT:	Eng 2 TT:	Eng 3 TT:	Eng 4 TT:	APU TT:	APU TT:	APU TT:	APU TT:	APU TT:
Eng 1 TC:	Eng 2 TC:	Eng 3 TC:	Eng 4 TC:	APU TC:	APU TC:	APU TC:	APU TC:	APU TC:
Signature:	Printed Name:		Circle:	Crew	Eng #			
Discrepancy:	J-DC Siling		Circle: <input checked="" type="checkbox"/>	Crew: <input checked="" type="checkbox"/>	Eng #:			
#3 main fire found service to be low at 75PSI								

Deferral By:	Date:	MEL Ref:	Category:
MEL Entry:			A B C D
Signature:	Date:	MEL Expiration Date:	
Circle:	Extension Authorized By:	Date Authorized:	
MEL Exp: 1 2 3			
Reason for Extension:		Extended to:	

Corrective Action:	Repair Date:	ACTL:	ACTL:
Engine: 1 2 3 APU	8-3-21	3258.8	2443
Engine TT:	Engine TC:	Engine TC:	Engine TC:
<p>Repair Action:</p> <p>Removed #3 main wheel/tire assy P/N 3-1545-1 S/N 3444, tire S/N 03180580.</p> <p>Installed overhauled main wheel/tire assy P/N 3-1545-1 S/N 3444 with tire S/N 03170416 Rate 8130 from Aircraft Spares as the under W.O 159280 dated 10/15/2011. Reference in ref to clear 610 maintenance record 32-40-02.</p> <p>Installed overhauled main wheel/tire assy P/N 3-1545-1 S/N 3444 with tire S/N 03180580.</p> <p>Removed #1 main wheel/tire assy P/N 3-1545-4 S/N 3443, tire S/N 03050845.</p> <p>Installed overhauled main wheel/tire assy P/N 3-1545-4 S/N 3443 with tire S/N 03170416 Rate 8130 from Aircraft Spares as the under W.O 159280 dated 10/15/2011.</p>			
Signature:	Printed Name:	J-DC Siling	
Certificate #:	RII Insp (if required):		
Name of Facility:	Facility Location:	KFCM	

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)

WOM 464678 Date: 8/2/2021  
Reg# N480ES Aircraft SN: 46-2097  
ATT: 3258.B ATC: 2443



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

- \* AMOL 23756- Removed 83 main wheel tire assembly P/N 3-1545-1 SN 2494, The SN 03180620. Installed overhauled main wheel tire assembly P/N 3-1545-1 SN 0604 with tire SN 10690551. Reference 8130 from Aircraft Specifications Inc. WOM 181241 dated 28AAV2021. Removed 84 main wheel tire assembly P/N 3-1545-1 SN 2493, The SN 03250045. Installed overhauled main wheel tire assembly P/N 3-1545-1 SN 1449 with tire SN 03170618. Reference 8130 from Aircraft Specifications Inc. WOM 159290 dated 18FEB2021. Work done in reference to Lear 40 maintenance manual 32-40-02
- \* 34-00-00 - Updated new Database Workorder 4000FT Expiration 09/Sep21

I certify the Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or by Licensed Aircraft Inspection Program and is approved for return to service

Signed  for Elliott Aviation of Minneapolis, LLC  
CRSF KXSR005N



# JET LINX AVIATION, LLC

## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date:	8-9-2021	NR	48065	ACTL:	3275.0	ACTL:	2457	Tip ID#	7888978
Eng 1 TT:	3275.0	Eng 2 TT:	3275.0	Eng 3 TT:	---	APU TT:	---		
Eng 1 TC:	2457	Eng 2 TC:	2457	Eng 3 TC:	---	APU TC:	---		
Signature:	<i>[Signature]</i>	Printed Name:	Lee Steffes	Circle:		Crew / Mech:		Leg #	1
Discrepancy:	Air conditioner leaking water into the LAV area.								

Deferred By:	Date:	MEL Ref:	Category:
MEL Entry:			A B C D

Signature:	Date:	MEL Expiration Date:
Circle:	Extension Authorized By:	Date Authorized:
MEL Ext:	1 2 3	Extended to:
Reason for Extension:		

Corrective Action	Repair Date:	ACTL:	ACTL:
Engine:	8-11-2021	3275.0	2457
1	2	3	APU

Repair Action: Reinstalled stoppage drain in aft evaporator housing and vented overflow drain to be clear of obstructions replacing longer 40 maintenance manval 21-59-09.

Signature:	<i>[Signature]</i>	Printed Name:	David Nelson
Certificate #:	KK5R005N	Full Insp. (if required):	
Name of Facility:	ELIOTT AVIATION	Facility Location:	KPCM

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)

# JET LINX AVIATION, LLC

## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date:	8-9-2021	#	48025	ACTL:	3275.0	AGTL:	2457	Top ID#	783978
Eng 1TT:	3275.0	Eng 2TT:	3275.0	Eng 3TT:		APU TT:			
Eng 1TC:	2457	Eng 2TC:	2457	Eng 3TC:		APU TC:			
Signature:	<i>[Signature]</i>		Printed Name:	Lee Steffes		Circle:	<input checked="" type="radio"/> Crew / Mech.	Leg #	1
Discrepancy:	Nose tire is worn to limits								

Detained By:	Date:	MEL Ref:	Category:	A	B	C	D
MEL Entry:							
Signature:	Date:	MEL Expiration Date:					
Circle		Extension Authorized By:					
MEL Ext:	1 2 3	Reason for Extension:					

Corrective Action	Repair Date:	ACTL:	AGTL:
Engine:	8-11-21	3275.0	2457
Repair Action:	Replaced nose wheel/tire Assy P/N 9544207-5 S/N DEC 28-14, tire S/N 6035702266 Installed overhaul/ replaced/tire Assy P/N 9544207-5 S/N FEB 72-523/5432-460 with tire S/N 707740208. Rad 8130 from Boeing Distribution Inc. under W/O 200314581 also on rot on work done in ref to Lear US num 34-410-01.		
Signature:	<i>[Signature]</i>	Printed Name:	STEVE S. LANG
Certificate #:	KC457005N	RI Insp (if required):	
Name of Facility:	Elliott Aviation	Facility Location:	KFCM

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)

JLA AIRCRAFT MAINTENANCE AND DISCREPANCY LOG  
 Version 3.10.053  
 Pkg. Acftg, Maintenance and Discrepancy Log.doc

Log Number: 23757

WOW# 484691 Date: 8/1/2021  
Reg# N480ES Aircraft SN: 45-2097  
ATT: 3275.0 ATC: 2457



Elliot Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airframe Log Entry

Maintenance Action

- \* AMDL 23757- Removed nose wheel/tire assembly P/N 9544207-5 SN DEC 78-44, the SN 0025700286. Installed overhauled nose wheel/tire assembly P/N 9544207-5 SN FEB 72-253F EB 72-450 with tire SN 7177S00308. Reference 8130 from Boeing Distribution Inc. under W O 2000240891 dated 07 Oct 2019. Work done in reference to Lear 40 maintenance manual 34-40-01.
- \* AMDL 23758 Reinstated standpipe drain in aft evaporator housing and verified overboard drain line to be clear of obstructions referencing Learjet 40 maintenance manual 21-58-09.

I certify this Airframe Log Entry above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's approved Aircraft Inspection Program and is approved for return to service

Signed   
David Nelson

for Elliot Aviation of Minneapolis, LLC  
CRS# KX5R005N

# JET LINX AVIATION, LLC

## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date:	8/31/21	NR	48055	ACTL:	3314.2	ACTL:	2496	Top ID#	73351
Eng 1 TC:	3314.2	Eng 2 TC:	3314.2	Eng 3 TC:	-	APU TC:	-		
Eng 1 TC:	2496	Eng 2 TC:	2496	Eng 3 TC:	-	APU TC:	-		
Signature:	<i>[Signature]</i>	Printed Name:	John D'Archi	Circle Crew	<input checked="" type="checkbox"/>	Mech:		Log #	2
Description:	Temporary AHRs 1 & 2 HDG FAIL Plugs on both PFD, MFD & AHRs 1 & 2 WPT FAIL MSG on FMS 1 & 2. Cleared by itself in about 1 minute.								

Delivered By:	Date:	MEL Ref:	Category:	A	B	C	D
MEL Entry:							
Signature:	Date:	MEL Expiration Date:					
Circle		Extension Authorized By:	Date Authorized:				
MEL Ext:	1 2 3						
Reason for Extension:			Extended by:				

Corrective Action	Repair Date:	ACTL:	ACTL:
Eng 1:	01 SEP 2021	3314.2	2496
Eng 2:	1 2 3 APU	3314.2	2496
Repair Action:	Completed the following tests TAW Least 48 min 34-26-00 : AHRs Power supplies, AHRs Reversion Function, and AHRs Mode Control. All tests satisfactory.		
Signature:	<i>[Signature]</i>	Printed Name:	Vincent Fogarty
Certificate #:	CRS# DXSR467X	RII Insp (if required):	
Name of Facility:	Dunelm Aviation	Facility Location:	ST Paul, MN

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcntrl@jetlinx.com](mailto:mxcntrl@jetlinx.com)



Completed the following tests IAW Learjet 40 MMJ 34-26-00: AHRS Power Supplies, AHRS Reversion Function, and AHRS Mode Control. All tests satisfactory.  
 Reference Jet Linx Maintenance and Discrepancy Log #: 23759.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. Terminal details of this repair maintenance can be found in the repair station under Work Order # 8D3SA.

Signature: *Walter [unclear]*  
 For Duncan Aviation CRJ DYSR467X Phone: 651-209-8430 01SEP2021

WOC# 464697 Date: 9/22/2021  
Reg# N480ES Aircraft SN: 45-2097

ATI: 3342.7 ATC: 2523



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13901 Pioneer Trail  
Eden Prairie, MN 55347-2817

Airframe Log Entry

Inspection

- \* 219001 - A/C Hobbs meter reading = 0274.0
  - \* T122200407 - Complied with #1 main battery capacity check, battery SN 4074589 passed at 88.9%, reference Concord Component maintenance manual 24-30-71.
  - \* T122200407 - Complied with #2 main battery capacity check, Battery SN 41101273 passed at 100%, reference Concord component maintenance manual 24-30-71
  - \* Y2431005 - Complied with battery cable and ferrisade tolerance check in reference to Lear 40 maintenance manual 24-31-00
  - \* 260000 - Complied with inspection of cabin and cockpit fire extinguishers in reference to Lear 40 maintenance manual 26-23-00
  - \* Z3020005 - Complied with LH engine inspection of inlet anti-ice tube assembly in reference to Lear 40 maintenance manual 30-20-00
  - \* Z3020005 - Complied with RH engine inspection of inlet anti-ice tube assembly in reference to Lear 40 maintenance manual 30-20-00
- Maintenance Action
- \* Replaced #1 main battery connector with new P/N 7007, S/N 354443 in reference to Lear 40 maintenance manual chapter 20 standard practices
  - \* Removed LH Outboard main wheel assembly P/N 3-1545-1, S/N 3018 with the P/N 226K06-4, S/N 1055652. Installed repaired wheel assembly P/N 3-1545-1, S/N 1098 with the P/N 226K06-4, S/N 03140828 reference 8130-3 from Southwind Aviation Supply LLC under W/O 46284 dated 30JUN2021 work done in reference to Lear 40 maintenance manual 32-40-02

I certify this Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or JAR-25 regulations, approved Aircraft Inspection Program and is approved for return to service.

Signed

for Elliott Aviation of Minneapolis, LLC  
CRSR K33XR05N

WOM# 464787 Date: 10/15/2021  
Reg# N480ES Aircraft SN: 45-2097

ATI: 3402 6 ATC: 2572



Airframe Log Entry

Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Overhaul/Replacement

\* D2910018- Complied with main hydraulic filter replacement. Installed new elements P/N M881516-10 in reference to Lear 40 maintenance manual 29-10-03

Maintenance Action

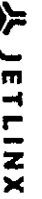
\* AMDL 23790- Replaced RH Tail lamp with new P/N 4587 in reference to Lear 40 maintenance manual 33-40-04

I certify the Airframe that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and/or the FAA Approved Aircraft Inspection Program and is approved for return to service.

Signed \_\_\_\_\_

A handwritten signature in black ink, appearing to read "Matt Solving".

for Elliott Aviation of Minneapolis, LLC  
CRS# KCR00384



MA

Serial No

45-2097

P-116948C

P-116947C

Jet Line Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA, 68144  
402-315-1026

### MAINTENANCE TRANSACTION REPORT

This Maintenance Transaction Report is to be solely for Bombardier Learjet 40

Altcraft

Engine 1

Engine 2

### Aircraft Identification and Status

Aircraft Serial No	45-2097	Aircraft Reg No	N180ES	Date	17-Oct-2021	His	Log	3402	Log	2572	Arframe	ACH	His	Eng#1	Enc	His	Eng#2	Enc
--------------------	---------	-----------------	--------	------	-------------	-----	-----	------	-----	------	---------	-----	-----	-------	-----	-----	-------	-----

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man. Hour
23761	1	Sng	Heading Fail on AHRS #1									

Compliance note: Removed and cleaned connectors on AHRS #1 and AHRS #2. Reconnected connectors and performed functional test with no defects noted. Ref 32-26-00 of Learjet 40 AMM

### Legend:

Task Types: IN - Component Ins. Inspection; SB - Service Bulletin; AD - Airworthiness Directive; Sng - Snag; Pkg - Package

Reasons for Removal: D - Damaged; E - Expiration; F - Failure; L - Loaner; P - Snag; S - Service; W - Warn; O - Overtightened; R - Replaced; I - Impacted; L - Loaner; U - Upgraded; S - Serviceable

Work Performed By	Technician	Service Center	MAHLEK, MARK (A&P)	Inspector	MAHLEK, MARK (A&P)	Fill Inspector	
Work Order No	N180ES-035-2021	Maintenance Log Section		Arframe		Maintenance Log Page	1/1

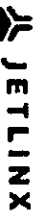
Verify that the above stated maintenance and/or inspection has been performed in accordance with current Federal Aviation regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed: *Mark Mahlek* Date: 10/17/2021

Approved: *AGP 4073772* Date: 10/17/2021

Permanent Aircraft Record - File in Maintenance Log





MA  
Serial No 45-2097  
P-116948C  
P-116947C

Jet Linx Aviation, LLC  
19030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

### Maintenance Transaction Report

The Maintenance Transaction Report is To Be Safety For Bombardier Learjet 40

Aircraft Engine 1 Engine 2

#### Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	His	Log	Arframe	ACH	His	Eng#1	Eng	His	Eng#2	Eng
45-2097	N480ES	22-Oct-2021	3,409	6			2,577					

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat Code	Main Hours
23762	1	Sng	Co pilot side push to talk button constantly sticking								721	24

Compliance note: Removed Coptius Push to talk button PN C2006 Installed new Coptius push to talk switch PN C2006 see 8130 5027475344 dated 1/5/2021 Performed functional test of the push to talk switch, no defects noted Ref Learjet 40 AWM 23 11-00 This action clears MEL 23 00-002 see AMDL 23762

#### Legend:

Task Types: PN Component Ins. Inspection, SB: Service Bulletin, AD: Airworthiness Directive, Sng: Snag Pkg: Package  
Reasons for Removal: D: Damaged, E: Expiration, F: Failure, L: Loaner, P: Swap, S: Service, W: Work, O: Other/Commence

Work Performed By	Technician	Matback Maint (AAMP)	Inspector	Matback Maint (AAMP)	Rll Inspector	Work Order No	Maintenance Log Section	Airframe	Maintenance Log Page	File In
		40737721		40737721		N480ES-036 2021-10 19 / 070			1/1	

I certify that the above stated maintenance and/or inspections has been performed in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service.  
Signed: Date: 10/22/2021



MA

This Maintenance Transaction Report Is To Be Solely For Bombardier Learjet 40 Aircraft Engine 1 Engine 2

Serial No

745-2097

P-115948C

P-115947C

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

### Maintenance Transaction Report

#### Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	His	Ldg	2:587	3:420	3	ACH	Eng#1	Eng#2
45-2097	N480ES	01-Nov-2021								

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Stage Accomplished

Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mail Code	Main Hours
2021-07-13	1	AD	Pacific Scientific Company Rotary Buckle Assembly. P/Ns 1111430 and 1111475 (Effective Date: 11-May-2021)									

Compliance note: N/A. Aircraft not equipped with Suspect Buckle (vane measures less than .125 inch). MOC: Not Applicable. MOC note: N/A. Aircraft not equipped with Suspect buckle (vane measures less than .125 inch)

2021-07-13	2	AD	Pacific Scientific Company Rotary Buckle Assembly. P/Ns 1111430 and 1111475 - Inspect the Buckle Handle for a Crack (Effective Date: 11-May-2021)									
------------	---	----	---	--	--	--	--	--	--	--	--	--

Compliance note: N/A. Aircraft not equipped with Suspect buckle (vane measures less than .125 inch). MOC: Not Applicable. MOC note: N/A. Aircraft not equipped with Suspect buckle (vane measures less than .125 inch)

2021-07-13	3	AD	Pacific Scientific Company Rotary Buckle Assembly. P/Ns 1111430 and 1111475 - Measure the Thickness of the Buckle Handle Vane (Effective Date: 11-May-2021)									
------------	---	----	--	--	--	--	--	--	--	--	--	--

Compliance note: N/A. Aircraft not equipped with Suspect buckle (vane measures less than .125 inch). MOC: Not Applicable. MOC note: N/A. Aircraft not equipped with Suspect buckle (vane measures less than .125 inch)

Legend: Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Loaner, P - Swap, S - Service W - Work O - Other/Inconvenience

Task Types: PI - Component Ins, Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Sngg Pkg - Package, Installed Part Status: N - New, O - Overhauled, R - Repaired, I - Inspected, L - Loaner, U - Upgraded, S - Serviceable

Work Performed By	Technician	Wynick, James (A&P)	Inspector	Wynick, James (A&P)	RII Inspector	
Service Center						
Work Order No	N480ES 037 2021	Maintenance Log Section	Airframe			
11-01/072						

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Link Aviation's Approved Aircraft Inspection Program and is approved for return to service.

Signed: 

Date: 11/11/2021



JETLINK



# Maintenance Transaction Report

This Maintenance Transaction Report is To Be Solely For Bomberbird Learjet 40  
Aircraft Engine 1 Engine 2

Serial No. P-116947C P-116947C

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1025

### Legend:

Task Types: PN - Component, Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sing - Single Plug Package  
Reason for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Swap, S - Service, W - Work, O - Other/Convenience

Work Performed By Technician	Mark Matyck (A&P)	Inspector	Mark Matyck (A&P)	RII Inspector		
Service Center	40731721	Work Order No	N460ES 038 2021	Maintenance Log Section	11-19/073	Maintenance Log Page 2/2
I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Link Aviation Approved Aircraft Inspection Program and is approved for return to service						Permanent Aircraft Record - File In Maintenance Log
Signed <i>Mark Matyck</i>						Date 11/22/2021

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Link Aviation's Approved Aircraft Inspection Program and is approved for return to service  
Signed \_\_\_\_\_ Date 11/22/2021



JETLINX

MA

Serial No 45-2097

P-116948C

P-116947C

Jet Line Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE USA 68114  
402-315-1026

### Maintenance Transaction Report

The Maintenance Transaction Report is To Be Solved For Bombardier Learjet 40

Aircraft Engine 1 Engine 2

### Aircraft Identification and Status

Aircraft Serial No	45-2097	Date	22-Nov-2021	Hrs	3469.2	Ldg	2,626	Airframe	A0H	Hrs		Eng#2	Eng#1	Eng#2	Eng#1
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### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Steps Accomplished

Item Code	Transaction No	Transaction Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat Code	Main Hours
1	PN	AD	Main Landing Gear Wheel	No 2	3-1545-1		0409	W	O			2,135.52
Compliance note: Removed #2 wheel assembly PN 3-1545-1 SN 2791 with Tire PN 22K08-4 SN 10830057 installed over hauled wheel assembly PN 3-1545-1 SN 0409 with new tire PN 226C08-4 SN 127600-1 in the #2 position. See St. Louis Component Repair & NDI Cert #45SVR148C WOP 4534 dated 10/25/2021. Ref Lear 40 AMM 32-40-02. OH vendor part number 3-1545-1. OH serial number 2791.												
2	PN	AD	Main Landing Gear Tire	No 2	226C08-4		12760017	W				
Compliance note: Removed #2 wheel assembly PN 3-1545-1 SN 2791 with Tire PN 22K08-4 SN 10830057 installed over hauled wheel assembly PN 3-1545-1 SN 0409 with new tire PN 226C08-4 SN 127600-1 in the #2 position. See St. Louis Component Repair & NDI Cert #45SVR148C WOP 4534 dated 10/25/2021. Ref Lear 40 AMM 32-40-02. OH vendor part number 226C08-4. OH serial number 10830057.												
3	PN	AD	Main Landing Gear Wheel	No 4	3-1545-1		2881	W	O			2,136.52
Compliance note: Removed #4 wheel assembly PN 3-1545-1 SN 1469 with Tire PN 22K08-4 SN 03170616 installed over hauled wheel assembly PN 3-1545-1 SN 2881 with new tire PN 226C08-4 SN 12210201 in the #4 position. See St. Louis Component Repair & NDI Cert #45SVR148C WOP 4534 dated 10/25/2021. Ref Lear 40 AMM 32-40-02. OH vendor part number 3-1545-1. OH serial number 1469.												
4	PN	AD	Main Landing Gear Tire	No 4	226C08-4		12210201	W	N			
Compliance note: Removed #4 wheel assembly PN 3-1545-1 SN 1469 with Tire PN 22K08-4 SN 03170616 installed over hauled wheel assembly PN 3-1545-1 SN 2881 with new tire PN 226C08-4 SN 12210201 in the #4 position. See St. Louis Component Repair & NDI Cert #45SVR148C WOP 4534 dated 10/25/2021. Ref Lear 40 AMM 32-40-02. OH vendor part number 226C08-4. OH serial number 03170616.												
2021-05-17	AD	Navigation System - Rockwell Collins, Inc (Rockwell Collins Flight Display System Application FDSA-6500)	Compliance note: Equipment not installed. MOC Not Applicable. (Effective Date: 29-Apr-2021)									
2021-05-17	AD	Navigation System - Rockwell Collins, Inc (Rockwell Collins Flight Display System Application FDSA-6500)	Compliance note: Equipment not installed. MOC Not Applicable. (Effective Date: 23-Jul-2019)									
2021-05-17	AD	Navigation System - Rockwell Collins, Inc (Rockwell Collins Flight Display System Application FDSA-6500)	Compliance note: Equipment not installed. MOC Not Applicable. (Effective Date: 29-Apr-2021)									
23763	8	Sng	Number 2 Main tire worn to lms	Compliance note: Removed #2 wheel assembly PN 3-1545-1 SN 2791 with Tire PN 22K08-4 SN 10830057 installed over hauled wheel assembly PN 3-1545-1 SN 0409 with new tire PN 226C08-4 SN 127600-1 in the #2 position. See St. Louis Component Repair & NDI Cert #45SVR148C WOP 4534 dated 10/25/2021. Ref Lear 40 AMM 32-40-02. This action clears AMDL #23763								
23764	9	Sng	Found #4 main wheel worn to lms on Pre/Post flight inspection	Compliance note: Removed #4 wheel assembly PN 3-1545-1 SN 1469 with Tire PN 22K08-4 SN 03170616 installed over hauled wheel assembly PN 3-1545-1 SN 2881 with new tire PN 226C08-4 SN 12210201 in the #4 position. See St. Louis Component Repair & NDI Cert #45SVR148C WOP 4534 dated 10/25/2021. Ref Lear 40 AMM 32-40-02. This action clears AMDL 23764								

Legend:

AD: 2021-05-17 Par

Work Order No: N46835-038 2021

Maintenance Log Page: 11/19/2021

Maintenance Log Page: 11/19/2021

Signature: \_\_\_\_\_ Date: 11/19/2021

Approved for return to service



- effective date 12-18-2019, 2020-18-51 effective date 8-28-2020, 2020-21-02 effective date 11-19-2020, 2021-08-07 effective date 5-12-2021, 2021-08-15 effective date 5-17-2021, 2021-22-07 effective date 11-18-2021.
- **AD 70-22-04** effective date 19 May 1971 "Wood Electric Circuit Breakers." No Wood Electric circuit breakers installed. No further action is required.

The above described repair or maintenance is approved for return to service. A detailed record is on file under work order **FUH6A.**

Signed:

Duncan R11 285

**For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277**

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. A detailed record is on file under work order **FUH6A.**

Signed:

Duncan R11 285

**For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277**



- There are no additional requirements regarding Instructions for Continued Airworthiness.
- Reference FAA Form 337 dated 17 Dec 2021.

**Completed Service Bulletins and Service Information:**

- **SB 40-24-05 R2** "Electrical Power - Replacement of the Emergency Battery Grounding Bracket."
- **SB 40-53-05 R2** "Fuselage - Repair of Cracking and Gaps at Frame 2" Rev. 2 dated 22 Mar 2010, and repaired gaps IAW Learjet letter Ref: 45-2097-000503593 dated 02 Dec 2021.
- **SB 40-78-03 R2** "Powerplant - Installation of the Thrust Reverser and Service Island Mounting Flange Gaskets -801 kit - LH & RH Engine"

**Completed Airworthiness Directives:**

- **AD 74-08-09 R3** effective date 28 Mar 2012 "Lavatory Waste Receptacle Inspection" paragraph (k). No discrepancies at this time. **AD is recurring every 1000 hours.**
- **AD 2021-23-11** effective date 10 Jan 2022 "Cracked Fuel Line Between the Engine Fuel Control and the Engine Fuel Flow Meter." Complied with paragraph (i)(2) and paragraph (g) for both engine S/N's P-116948C and P-116947C. Emailed reporting requirement information to addresses listed in AD. Complied with paragraph (h) and (i)(1). Verified SB 40-73-01 R1 was complied with on entry dated 17 Jan 2017. Complied with intent of AD.

**Previously Complied With Airworthiness Directives:**

- **AD 2011-13-10** effective date 01 Aug 2011 "Clamping, Leak Checks and Positioning of Hydraulic Lines" on the #1 engine PCW on 22 Nov 2011.

**Not Applicable Airworthiness Directives:**

- Not applicable due to affected equipment not installed: 74-20-10 effective date 12-30-1977, 77-02-08 effective date 2-1-1977, 90-07-08 R1 effective date 7-2-1990, 90-09-08 effective date 5-29-1990, 95-22-01 effective date 12-4-1995, 2003-26-06 effective date 2-17-2004, 2005-07-27 effective date 5-16-2005, 2005-20-26 effective date 11-16-2005, 2008-02-06 effective date 2-26-2008, 2008-19-01 effective date 8-29-2008, 2009-05-05 effective date 4-3-2009, 2010-02-06 effective date 2-24-2010, 2011-21-05 effective date 10-27-2011, 2011-21-08 effective date 11-23-2011, 2012-08-07 effective date 5-9-2012, 2017-09-09 effective date 6-28-2017, 2017-19-05 effective date 10-31-2017, 2017-22-14 effective date 12-20-2017, 2018-16-13 effective date 10-26-2018, 2018-19-15 effective date 11-14-2018, 2018-23-01 effective date 12-28-2018, 2019-01-02 effective date 2-7-2019, 2019-07-03 effective date 5-16-2019, 2019-07-10 effective date 5-29-2019, 2019-08-01 effective date 5-21-2019, 2019-21-06 effective date 12-13-2019, 2019-21-09



- Reinstalled NLG strut assembly P/N 4532201000V16-005 S/N 412 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 06 Dec 2021 IAW Learjet 40 MM 32-20-01. CSN 2640
- Removed the flood lighting inverter P/N 6900135-001 S/N 654 and installed new inverter P/N 6900135-001 S/N 781 IAW Lear 40 MM 33-10-04
- Repaired 2 ea broken mounting tabs on LH T/R bypass fairing P/N 4578300010-001 by welding using 4043 aluminum filler IAW letter from Learjet Field Support Engineering, ref: 45-2097-000504942, Subject "LH T/R Bypass Fairing Cracked" dated 09 Dec 2021. All welding was done IAW AWS D17.1/D17.1M:2017 and Duncan Aviation EPS 2000 Rev. N 14 Jul 2021.
- Received letter from Nordam, accepting RH Engine service island panel flange as blended, Letter No. NTRSD-21TP-276. Applied Epoxy Primer and Pro Seal to RH service island mounting flange IAW SB 40-78-03 "Powerplant - Installation of the Thrust Reverser and Service Island Mounting Flange Gaskets" R2 dated 10 Aug 2015.
- Reinstalled #1 engine S/N P-116948C (TSN 3488.0 CSN 2640) inspected by Duncan Aviation CRS JGVR194F under work order FUH6B dated 08 Dec 2021.
- Reinstalled #2 engine S/N P-116947C (TSN 3488.0 CSN 2640) inspected by Duncan Aviation CRS JGVR194F under work order FUH6C dated 10 Dec 2021.
- Reinstalled engine #1 exhaust nozzle and exhaust nozzle clamp P/N VO236100M-1844-S3 S/N NA inspected by Duncan Aviation CRS JGVR194F under work order FUH6A dated 03 Dec 2021. Torqued and safetied.
- Reinstalled engine #2 exhaust nozzle and clamp P/N VO236100M-1844-S3 S/N NA inspected by Duncan Aviation CRS JGVR194F under work order FUH6A dated 03 Dec 2021. Torqued and safetied.
- Removed #1 engine cracked aft 12 o'clock fairing P/N 4578300015-001 S/N NA and installed new fairing P/N 4578300015-001 S/N NA IAW Learjet 45 AMM 71-00-01.
- Removed #1 engine chafed service island top fairing P/N LJ7838401-4 S/N NA and installed new fairing P/N LJ7838401-4 S/N NA IAW Learjet 45 AMM 71-00-01.
- Removed LH HP air seal P/N 316154 S/N NA and installed new seal P/N 316154 S/N NA IAW Learjet 40 AMM 78-30-06.
- Removed RH HP air seal P/N 316154 S/N NA and installed new seal P/N 316154 S/N NA IAW Learjet 40 AMM 78-30-06.
- Repaired crack in nose skin at the L/H fwd corner of the NLG door cutout in accordance with Lear jet drawing R4553300035, REV A, "SKIN PANEL REPAIR", and Learjet letter Ref: 45-2097-000503599, dated: 03 Dec 2021 approved by FAA form 8100-9 dated: 03 Dec 2021. Work performed per Learjet 40 series SRM 51-40-05, 51-30-05, and 51-30-15.



- Removed LH inboard leading edge temperature sensor P/N 6621000000-057 S/N 077C-2925 and installed new sensor P/N 6621000000-057 S/N 061C-4744, IAW LearJet MM 30-10-03, and 30-10-00.
- Removed and installed the following hydrolocks overhauled by Duncan Aviation CRS JGVR194F on 08 Nov 2021:

Position	P/N Off	S/N Off	P/N On	S/N On	Work Order
R1 Cabin Seat	UL32-040SP1	NA	UL32-040SP1	11172DA	8FW5A
R2 Cabin Seat	UL32-040SP1	NA	UL32-040SP1	11171DA	8FW4A
R3 Cabin Seat	UL32-040SP1	NA	UL32-040SP1	11169DA	8FCRA
L1 Cabin Seat	UL32-040SP1	NA	UL32-040SP1	11168DA	8FC2A
L2 Cabin Seat	UL32-040SP1	NA	UL32-040SP1	11170DA	8FCVA
L3 Cabin Seat	UL32-040SP1	NA	UL32-040SP1	11173DA	8HMBBA

- Removed the following life vests and installed new life vests IAW Learjet 40 MM 25-60-01:

LH FWD Passenger (DOM Sep 2021)	P01074-101W	17021310072	P01074-101W	21090100331
RH FWD Passenger (DOM Sep 2021)	P01074-101W	17021310115	P01074-101W	21090100276
LH Center Passenger (DOM Sep 2021)	P01074-101W	17021310155	P01074-101W	21090100236
RH Center Passenger (DOM Sep 2021)	P01074-101W	17021310138	P01074-101W	21090100352
LH Aft Passenger (DOM Sep 2021)	P01074-101W	17021310078	P01074-101W	21090100429
RH Aft Passenger (DOM Sep 2021)	P01074-101W	17021310150	P01074-101W	21090100203
AV Passenger (DOM Apr 2020)	P01074-101W	17021310125	P01074-101W	20040410012

- Removed aft aileron fuselage cable P/N 7627102001-005 S/N NA and installed new cable P/N 7627102001-005 S/N NA IAW Learjet 40 MM 27-10-05.
- Reinstalled #3 MLG wheel assembly P/N 3-1545-1 S/N 0604 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 06 Dec 2021 with new tire P/N 226K08-4 S/N 12530924 IAW LearJet 40 MM 32-40-02.
- Reinstalled NLG wheel assembly P/N 9544207 S/N FEB 72-523 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 06 Dec 2021 with new tire P/N 031-613-8 S/N 1093T00477 IAW LearJet 40 MM 32-40-01.



- IRN P3610048: RH HP Bleed Manifold Assembly - Perform Visual Inspection
- IRN W5600002: 12 M \*\* Windshield - Perform Rain Removal Coating Effectiveness Test
- IRN Q7110004: 3500 HR LH Engine Inlet - Perform Tap Test
- IRN Q7110004: 3500 HR RH Engine Inlet - Perform Tap Test
- IRN AA7120069: LH Forward Lower Engine Isolator Assembly - Perform Visual Inspection
- IRN AA7120069: RH Forward Lower Engine Isolator Assembly - Perform Visual Inspection
- Replacement Schedule (05-19-01):
  - IRN AA7120006: 3500 HR LH Upper Forward Engine Mount Isolator Bonded Mounting - Replace
    - › Reinstalled LH engine forward upper engine mount P/N LM-833-SA20-5 S/N LK6143 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 09 Dec 2021. IAW Learjet 40 AMM 05-19-01 and 71-20-00.
  - IRN AA7120006: 3500 HR RH Engine Aft Mount Metal Mesh Elements - Replace
    - › Removed RH engine aft isolator assembly P/N LM-833-SA18 S/N LK1303 and installed new assembly P/N LM-833-SA18 S/N LK2803 IAW Learjet 40 AMM 05-19-01 and 71-20-00.
  - IRN AA7120006: 3500 HR LH Engine Aft Mount Metal Mesh Elements - Replace
    - › Removed LH engine aft isolator assembly P/N LM-833-SA18 S/N LK1475 and installed new assembly P/N LM-833-SA18 S/N LK2783 IAW Learjet 40 AMM 05-19-01 and 71-20-00
  - IRN AA7120006: 3500 HR LH Lower Forward Engine Mount Isolator Bonded Mounting - Replace
    - › Reinstalled LH forward lower engine mount P/N LM-833-SA20-5 S/N LK6103 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 09 Dec 2021. IAW Learjet 40 AMM 05-19-01 and 71-20-00.
  - IRN AA7120006: 3500 HR RH Upper Forward Engine Mount Isolator Bonded Mounting - Replace
    - › Reinstalled RH engine upper forward mount P/N LM-833-SA20-5 S/N LK6120 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 09 Dec 2021 IAW IAW Learjet 40 AMM 05-19-01 and 71-20-00.
  - IRN AA7120006: 3500 HR RH Lower Forward Engine Mount Isolator Bonded Mounting - Replace
    - › Reinstalled RH engine lower forward mount P/N LM-833-SA20-5 S/N LK6099 repaired by Duncan Aviation CRS JGVR194F under work order FUH6A dated 09 Dec 2021 IAW IAW Learjet 40 AMM 05-19-01 and 71-20-00.
  - IRN V7120074: \* LH Engine Aft Mount Bolt - Replace
  - IRN V7120074: \* RH Engine Aft Mount Bolt - Replace

**Performed the following general maintenance under work order FUH6A:**

- Phase B2 - 600 Hour Checks
- Phase B3 - 600 Hour Checks
- Phase B4 - 600 Hour Checks
- Phase B5 - 600 Hour Checks
- Phase B6 - 600 Hour Checks
- Special Inspections (05-19-00):
  - **IRN T1222004:** #1 Lead-Acid Batteries - Perform Battery Capacity Check
    - › Reinstalled #1 battery P/N RG-380E/40L S/N 40745696 tested by Duncan Aviation CRS JGVR194F under work order FUH6A dated 15 Dec 2021. Battery 52:29 / 87.4% / 33.23 AH
  - **IRN T1222004:** #2 Lead-Acid Batteries - Perform Battery Capacity Check
    - › Reinstalled #2 battery P/N RG-380E/40L S/N 41101273 tested by Duncan Aviation CRS JGVR194F under work order FUH6A dated 06 Dec 2021. Battery passed at 1:02:09 / 103% / 39.3 AH
  - **IRN T1222007:** #1 Lead-Acid Batteries - Perform Battery Capacity Check
  - **IRN T1222007:** #2 Lead-Acid Batteries - Perform Battery Capacity Check
  - **IRN Y2130065:** 1200 HR Cabin Pressurization System - Perform Cabin Leakage Test
  - **IRN P2430003:** 1200 HR LH Starter/Generator - Perform Overhaul
    - › Reinstalled LH starter/generator P/N 23280-067 S/N Y20245 overhauled by Duncan Aviation CRS JGVR194F under work order FUH6A dated 07 Dec 2021.
  - **IRN P2430003:** 1200 HR RH Starter/Generator - Perform Overhaul
    - › Reinstalled RH starter/generator P/N 23280-067 S/N Y10108 overhauled by Duncan Aviation CRS JGVR194F under work order FUH6A dated 07 Dec 2021.
  - **IRN AB2431062:** 12 M or 1000 HR Emergency Battery - Perform Capacity Check
    - › Reinstalled battery P/N RG-443 S/N 41125478 tested by Duncan Aviation CRS JGVR194F under work order FUH6A dated 03 Dec 2021. Passed 1:03:59/106%/11.7 AH
  - **IRN O2610001:** 3500 HR LH Hot Section Fire Detector Element - Perform Visual Inspection
  - **IRN O2610001:** 3500 HR RH Hot Section Fire Detector Element - Perform Visual Inspection
  - **IRN D2740003:** 600 HR \*\* Horizontal Stabilizer Actuator Secondary Trim - Perform Functional Test
  - **IRN D2740004:** 600 HR \*\* Horizontal Stabilizer Actuator Primary Trim - Perform Functional Test
  - **IRN P3610048:** LH HP Bleed Manifold Assembly - Perform Visual Inspection



- **IRN K2700012:** 4800 HR \*Aft Rudder Primary Control Cable - Remove From Aircraft And Perform Detailed Visual Inspection. Removed and installed the following new aft rudder cables:

Position	P/N Off	S/N Off	P/N On	S/N On
LH Lower	7627202005-001	NA	7627202005-005	NA
RH Lower	7627202006-001	NA	7627202006-005	NA
RH Upper	7627202004-001	NA	7627202004-005	NA
LH Upper	7627202003-001	NA	7627202003-005	NA

- **IRN Z3020005:** 250 HR \* LH Engine Inlet Anti-Ice Tube Assembly From The Aft Inlet Bulkhead Connection Point Forward To Spray Ring Connection, Perform Detailed Visual/Borecope Inspection Of The Welds Inside And Outside Of The Tube At Both Forward And Aft Ends
- **IRN Z3020005:** 250 HR \* RH Engine Inlet Anti-Ice Tube Assembly From The Aft Inlet Bulkhead Connection Point Forward To Spray Ring Connection, Perform Detailed Visual/Borecope Inspection Of The Welds Inside And Outside Of The Tube At Both Forward And Aft Ends
- **Airworthiness Limitations - Replacement Requirements (4-11-00):**
  - **IRN V7120074:** \* LH Engine Aft Mount Bolt Replace
    - › Removed Bolt P/N 4571408525-001 S/N NA and installed new Bolt P/N 4571408525-003 S/N NA
  - **IRN V7120074:** \* RH Engine Aft Mount Bolt Replace
    - › Removed bolt P/N 4571408525-001 S/N NA and installed new bolt P/N 4571408525-003 S/N NA.
- **Scheduled Inspections:**
  - Phase A1 - 300 Hour Checks
  - Phase A2 - 300 Hour Checks
  - Phase A3 - 300 Hour Checks
  - Phase A4 - 300 Hour Checks
  - Phase A5 - 300 Hour Checks
  - Phase A6 - 300 Hour Checks
  - Phase B1 - 600 Hour Checks



- IRN W3510002: 600 HR \*\* Oxygen System - Perform Operational Check
  - IRN O3510003: 600 HR \*\* Cabin Low Pressure Oxygen Distribution Flex Hoses - Perform Functional Test
  - IRN A3610000: 600 HR \*\* Bleed Air System - Perform Functional Test
  - IRN T3040000: 600 HR \*\* Windshield Anti-Ice - Perform Functional Test Of The Windshield Anti-Ice System
  - IRN S3510014: 600 HR \*\* Oxygen System Altitude Compensating Regulator - Perform Functional Test
  - IRN H2450023: 600 HR \*\* Emer Batt Low And Gen Amps High Indication - Perform Operational Check
  - IRN L2150056: 600 HR \*\* Auxiliary Heat System - Perform Functional Test
  - IRN W2731001: 600 HR \*\* Pitch Trim - Perform Operational Check Of Elevator Override Actuator
  - IRN A2731002: 600 HR \*\* Elevator Disconnect System - Perform Operational Check
  - IRN D2740003: 600 HR \*\* Horizontal Stabilizer Actuator Secondary Trim - Perform Functional Test
  - IRN D2740004: 600 HR \*\* Horizontal Stabilizer Actuator Primary Trim - Perform Functional Test
  - IRN A2760001: 600 HR \*\* Spoiler Actuator Check Valve - Perform Functional Check
  - IRN A2760002: 600 HR \*\* Spoiler System - Perform Operational Authority With Flaps Check
  - IRN A3230001: 600 HR \*\* Landing Gear - Perform Emergency Gear Extension Functional Test
  - IRN V3240004: 600 HR \*\* Emergency/Parking Brake Switch - Verify That "Emergency/Parking Brake" Message Illuminates On EICAS When Parking Brake Is Set And Throttles Are Moved Above MCR Detent
  - IRN V3240008: 600 HR \*\* Emergency/Parking Brake Control System - Perform Functional Test
  - IRN A3610001: 600 HR \*\* Pylon Overheat Thermostat And Electrical System - Perform Functional Test
  - IRN W5600002: 12 M \*\* Windshield - Perform Rain Removal Coating Effectiveness Test
- Certification Maintenance Requirements - Structure Checks (4-10-01):
- IRN K2700010: 4800 HR \*Aft Elevator Primary Control Cable - Remove From Aircraft And Perform Detailed Inspection. Removed and installed the following new aft elevator cables:

Position	P/N Off	S/N Off	P/N On	S/N On
LH Lower	7627302026-001	NA	7627302026-005	NA
RH Lower	7627302025-001	NA	7627302025-005	NA
LH Upper	7627302024-001	NA	7627302024-005	NA
RH Upper	7627302023-001	NA	7627302023-005	NA

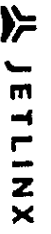


Reg. #: **N480ES**      Date: **December 18, 2021**      Work Order: **FUH6**  
 Make: **LEARJET**      Model: **45**  
 Variant: **Learjet 40**  
 Aircraft S/N: **45-2097**      TT: **3488.0**      Landings: **2640**  
 #1 Eng S/N: **P-116948C**      #1 Eng TSN: **3488.0**      #1 Eng CSN: **2640**  
 #2 Eng S/N: **P-116947C**      #2 Eng TSN: **3488.0**      #2 Eng CSN: **2640**

**Performed the following manufacturer's maintenance items in accordance with Bombardier Learjet 40**

**Maintenance Manual Revision 44:**

- Certification Maintenance Requirements - Component and System Checks (4-10-00):
  - **IRN A2210033: 900 HR \*\* Autopilot System - Perform Autopilot Disconnect Tone Test**
  - **IRN A2300000-4A: 1000 HR \*\* Engine Indicating And Crew Alerting System (EICAS) - Perform Radio Management Units (RMU) Backup Engine Page Check**
  - **IRN A2300000-4B: 2300 HR \*\* Engine Indicating And Crew Alerting System (EICAS) - Perform Radio Management Units (RMU) Power Supply Check**
  - **IRN W2450000: 600 HR \*\* Generator Fail Indication - Perform Operational Check**
  - **IRN H2450001: 600 HR \*\* Auxiliary Power Supplies - Perform Functional Test**
  - **IRN A2711001: 600 HR \*\* Aileron Trim Tab Control System - Perform Operational Check**
  - **IRN V2712000: 600 HR \*\* Roll Disconnect Switches - Perform Operational Check**
  - **IRN A2721001: 600 HR \*\* Rudder Trim System - Perform Operational Check**
  - **IRN H3010000: 600 HR \*\* Wing/Stab Anti-Ice Switch - Perform Operational Check**
  - **IRN B3100000-4A: 1000 HR \*\* Integrated Avionics Computer - Perform Symbol Generation Reversion Check**
  - **IRN B3100000-4B: 1200 HR \*\* Engine Indicating And Crew Alerting System (EICAS) - Perform Data Acquisition Units (DAU) Reversion Check**
  - **IRN A3400000-4A: 3000 HR \*\* Air Data Computers - Perform Reversion Check**
  - **IRN A3400000-4B: 1000 HR \*\* Attitude Heading Reference System (AHRS) - Perform Power Supply Check**
  - **IRN A3400000-4C: 1000 HR \*\* Attitude Heading Reference System (AHRS) - Perform Reversion Check**



MA

Serial No

45-2097

P-118948C

P-118947C

Engine 1

Engine 2

402-315-1026

This Maintenance Transaction Report is To Be Sonly For Bombardeer Learjet 40 Aircraft

Jet Linx Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144

### Maintenance Transaction Report

TRAXXALL

### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Aircraft Serial No	Aircraft Reg No	Date	Hrs	Ldg	2658	Airframe	ACH	Eng#1	Enc	Hrs	Eng#2	Enc	TSX	Max	Main
45-2097	N460ES	31-Dec-2021	3,515.8	2,658									Installed Part	Code	Hours
Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	Installed Part	Max	Main			
000020	1	Ins	Perform Preflight Inspection												2
Compliance note: Performed preflight inspection, no defects noted															
2021-23-12	2	AD	Indicating/Recording System, Navigation - Radio Altimeter (Transport and Commuter Category Airplanes) (Effective Date 09-Dec-2021)												0.5
Compliance note: Complied with AD 2021-23-12 by installing page 8 of AD 2021-23-12 in the aircrafts AFM limitation section. WOC. Complied With as Applicable															
JLA-Tech-Holding Area	3	Ins	Check Holding Area - Accept and Comply With Tasks as Applicable												0.5
Compliance note: Checked holding area and took care of items.															

#### Legend:

Task Types: PN - Component Ins. Inspection; SB - Service Bulletin; AD - Airworthiness Directive; Sng - Snag; Pkg - Package

Reasons for Removal: D - Damaged; E - Expiration; F - Failure; L - Leaner; P - Swap; S - Service; W - Warn; O - Other/Convenience

Work Order No	Maintenance Log Section	Permanant Aircraft Record - File In
12-29 / 076	Airframe	1/1

Work Performed By Technician: Matlack, Mark (AABP) Inspector: Matlack, Mark (AABP) 40737721

I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and is approved for return to service

Signed: *Mark Matlack* Date: 12/31/2021

# JET LINX AVIATION, LLC

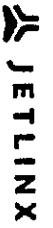
## AIRCRAFT MAINTENANCE AND DISCREPANCY LOG

Date: 1-31-2021	NA: 480ES	ACTI: 3515.8	Eng 3 TT: 2658	APU TT: 814683
Eng 1 TT: 3515.8	Eng 2 TT: 3515.8	Eng 3 TT: 2658	APU TT: ---	APU TC: ---
Eng 1 TC: 2658	Eng 2 TC: 2658	Eng 3 TC: ---	APU TC: ---	APU TC: ---
Signature: <i>See Defect</i>	Printed Name: Lec Staffes	Circle: (Crew) Mech	Log #	3
Discrepancy: After selecting the pack on, no rise in the left engine ITT. With the left bleed on and right bleed off no airflow from the pack				

Defined By:	Date:	MEL Ref:	Category: A B C D
MEL Entry:			
Signature:	Date:	MEL Expiration Date:	
Circle: 1 2 3	Extension Authorized By:	Date Authorized:	
MEL Ext: 1 2 3		Extended to:	
Reason for Extension:			

Corrective Action:	Repair Date: 1/21/2021	ACTI: 3515.8	ACTI: 2658
Engine: 1 2 3 APU	Engine TT: ---	Engine TC: ---	Engine TC: ---
Repair Action: Removed bleed and reinstalled the relief valve on the left high pressure bleed. Shut off valve removed and reinstalled the inlet sensor line filter on the left high pressure bleed. Performed operational check of the left high pressure bleed shut off valve. No defects noted. REC Lear 40 AMM 36-10-07.			
Signature: <i>Mark Mathack</i>	Printed Name: Mark Mathack		
Certificate #: 4073772	Rll Insp (if required):		
Name of Facility: SLA YECM	Facility Location: YECM		

Please fax to Jet Linx Aviation, LLC MX Control at: 202-403-0545 or email to [mxcontrol@jetlinx.com](mailto:mxcontrol@jetlinx.com)



MA

Serial No

45-2097

P-116948C

P-116947C

This Maintenance Transaction Report is To Be Solely for Bombardeer Learjet 40  
 Aircraft Engine 1 Engine 2

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402-315-1026

### TRAXXALL Maintenance Transaction Report

#### Aircraft Identification and Status

Aircraft Serial No	Aircraft Reg No	Date	His	Ldg	2658	ACH	ENG1	ENG2
45-2097	N480ES	02-Jan-2022	3,515	8				

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Code	Man Hours
23766	1	Sng	After selecting the pack on, no rise in the left engine ITT. With the left bleed on and the right bleed off, no airflow from the pack								3.75

Compliance note: Removed cleaned and reinstalled relief valve on the left high pressure bleed shut off valve. Removed cleaned and reinstalled the after sensor line filter on the left high pressure bleed shut off valve. Performed operational check of the left high pressure bleed shut off valve. no defects noted. Ref Lear 40 AWM 36-10-02. See AWDL 23766

#### Legend:

Task Types: PN - Component Ins - Inspection, SB - Service Bulletin, AD - Airworthiness Directive, Sng - Snag, Pkg - Package

Reasons for Removal: D - Damaged, E - Expiration, F - Failure, L - Leaker, P - Swap, S - Service, W - Worn, O - Other/Convenience

Work Order No	Work Order Date	Maintenance Log Section	Airframe	Maintenance Log Page
N480ES 040-2021	12-31/07			11

Work Performed By	Technician	Inspector	Fill Inspector
Mattack Mark (A&P)	40737721	Mattack Mark (A&P)	40737721

I certify that the above stated maintenance and/or inspection has been performed in accordance with current federal aviation regulations and/or the Jet Link Aviation Approved Aircraft Inspection Program and is approved for return to service.

Signed: *Mattack Mark* Date: 1/11/2022

Permanent Aircraft Record - File in Maintenance Log





# Log Book Entry

March 22, 2022

6 DRBA WAY  
NEW CASTLE, DE 19720  
United States

Telephone: 1-844-JETFIX

Fax:

Total AC Time: 3,597.5

Total AC Cycles: 2,678

Registration #: N480ES  
Manufacturer: Learjet  
Part/Model number: 45  
Work Order No: LUK22-613

Aircraft Serial Number: 2097  
Date: 03/22/2022

## Squawk

1.1 POST FLIGHT INSPECTION & ANY ADDITIONAL FLIGHT LOG DISCREPANCIES, RECORD APU HOBBS & CYCLES IN FLT/WX LOG

1.2 COMPLETED WITH EIM LEARJET 40/40XR POST FLIGHT CHECKLIST IAW EIM FORM 0P-FLT-PF-0381 ORIGINAL 2/3/22  
27946. PILOTS WINDSHIELD SEAL IS PULLING OFF WINDOW AND IS CRACKED OFF CENTER POST. (UPPER AND LOWER INBOARD CORNERS.

UPON CLOSER INSP. NO LOOSE SEALANT FOUND TO BE PULLING AWAY. SUSPECTED CRACK IS A SEAM FROM A PREVIOUS REPAIR. NO FURTHER DEFECTS NOTED AT THIS TIME.

1.3 27947. NOSE GEAR LOWER BARREL LT SIDE PLACARD ILLEGIBLE.  
27948. MAIN CABIN DOOR UPPER DOOR EXTREOR PLACARD "EMERGENCY EXT UPPER DOOR" IS FADED.  
REMOVED OLD PLACARD AND CLEANED OLD ADHESIVE. CLEANED AND PREPPED AREA AND APPLIED NEW PLACARD P/N 4511203100-082. IAW LEAR40 AMM 11-00-00.

1.4 27948. MAIN CABIN DOOR UPPER DOOR EXTREOR PLACARD "EMERGENCY EXT UPPER DOOR" IS FADED.  
REMOVED OLD WORN PLACARD AND REMOVED REMAINING ADHESIVE. CLEANED AND PREPPED AREA. APPLIED NEW PLACARD P/N 4511203100-079 IAW LEAR40 AMM 11-00-00.

1.5 27950. MAIN CABIN DOOR UPPER DOOR FWD EDGE MISSING PAINT TO BARE METAL.(SEVERAL PLACES)  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED IAW LR-40 MM CH 20-50-00.

1.6 MAIN CABIN DOOR, LWR DOOR FWD TRIM VELCRO IS NOT SECURED.(1300 HAS SEPARATED).  
REMOVED OLD WORN VELCRO AND CLEANED OLD 1300 ADHESIVE OFF. PREPPED AREA AND APPLIED NEW VELCRO IAW LEAR40 AMM 20-11-00.

1.7 27952. MAIN CABIN DOOR UPPER DOOR INSIDE HANDLE TRIM PLATE MISSING SCREW.  
INSTALLED NEW SCREW IN MISSING LOCATION IAW LEAR40 AMM 20-40-00.

1.8 27954. LEFT WING NAV LIGHT LENS CAP DENTED.  
REMOVED AND INSPECTED LT NAV LENSE COVER. REMOVED DENT FROM COVER. REINSTALLED TO LT WING NAV ASSY IAW LR 40 AMM CH33-40-02.

1.9 27956. LEFT ENGINE INLET STARTER GENERATOR INTAKE MISSING PAINT TO BARE METAL.(SEVERAL PLACES)  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED IAW LR-40 MM CH 20-50-00.

1.10 27958. LEFT AND RIGHT ENGINE INLET STARTER GENERATOR EXHAUST DUCT HOLE HAS DISCOLORED AND STAINED INLET PAINT.  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED IAW LR-40 MM CH 20-50-00.

1.11 27959. LEFT WING UPPER SKIN BEHIND POLISHED LEADING EDGE (FWD OF ENG.) HAS A 3-4 INCH SCRATCH TO BARE METAL.  
INSPECTED AREA. FOUND PAINT SCRATCHED, NO DAMAGE TO SKIN NOTED. CLEANED, PREPPED, PRIMED AND



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- 1.12 PAINTED AS NEEDED IAW LR-40 MM CH 20-50-00.
- 1.12 27960. RIGHT AFT FUSELAGE FIRE BOTTLE BLOW OUT DISKS ARE FADED.  
REPLACED BOTH FADED BLOW OUT DISKS P/N/S 13159 & P/N 13158. IAW LEAR40 AMM 26-21-03.
- 1.13 27961. LT MAIN GEAR BRAKE OUTBOARD UPPER PWD PUCK, WET WITH RESIDUE AND HAS DRIPPED ONTO LOWER PUCK THEN TO GROUND.  
3/3/22. PERFORMED OPERATIONAL CHECK OF THE LT OB BRAKE ASSY. BRAKE IS LEAKING FROM UPPER PUCK AND REQUIRES REPLACEMENT. P/N 2-1579-2.  
3/10/22. REPLACED LT OB M/G BRAKE ASSEMBLY WITH A OVERHAULLED UNIT. IAW LEAR40 AMM 32-41-01. HAD TO SOURCE A 5606 QD ADAPTER FITTING TO SERVICE THE HYDRAULIC SYSTEM AFTER BRAKE CHANGE/BLEEDING. P/N ON 2-1579-2 S/N ON 2685  
P/N OFF 2-1579-2 S/N OFF 1192.  
27962. LEFT MAIN GEAR SERVICE PLACARD (LOWER SIDE OF UPPER WHEEL WELLS) ILLEGIBLE. NEEDS CLEANED.
- 1.14 3/3/22. WIPED DIRT CLEAN FROM PLACARD. PLACARD WILL NEED ORDERED AND REPLACED.  
3/10/22. REMOVED OLD WORN SERVICING PLACARD. REMOVED OLD REMAINING ADHESIVE. CLEANED AND PREPPED AREA AND APPLIED NEW SERVICING PLACARD P/N/4511203100-023. IAW LEAR40 AMM 11-00-00.
- 1.15 27963. VERTICAL STAB LEADING EDGE SADDLE BELOW POLISHED AREAS MISSING PAINT TO BARE METAL.  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED IAW LR-45 MM CH 20-50-00.
- 1.16 27964. LEFT AND RIGHT INBOARD HORIZONTAL LEADING EDGE WIPER PANEL MISSING PAINT TO BARE METAL.  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED IAW LR-40 MM CH 20-50-00.
- 1.17 27965. RT ENGINE "RT ENGINE" PLACARD ILLEGIBLE.  
REMOVED OLD WORN PLACARD AND REMOVED REMAINING ADHESIVE. CLEANED AND PREPPED AREA. APPLIED NEW PLACARD P/N 4511203100-064 IAW LEAR40 AMM 11-00-00.
- 1.18 27966. LEFT WING LWR SKIN "SUMP" PLACARD MISSING VERBIAGE.(2EA).  
REMOVED WORN PLACARD AND REMAINING ADHESIVE. CLEANED AND PREPPED AREA. APPLIED 2 NEW PLACARDS IN REQUIRE AREAS P/N 4511203100-019 IAW LEAR 40 AMM 11-00-00.
- 1.19 27967. RIGHT WING LWR SKIN "SUMP" PLACARD ILLEGIBLE. (1EA).  
REMOVED WORN PLACARD AND REMAINING ADHESIVE. CLEANED AND PREPPED AREA AND APPLIED NEW PLACARD P/N 4511203100-019 IAW LEAR40 AMM 11-00-00.
- 1.20 27968. LAV EXTERIOR SERVICE CAP LANYARD AND ATTACH POINT IS NOT SECURED TO CAP.  
CLEANED AND PREPPED LAV SERVICE CAP AND REATTACHED LANYARD TO SERVICE CAP IAW LEAR40 AMM 20-11-00.
- 1.21 27969. RIGHT WING UPPER WALK PAINT MISSING TO BARE METAL BEHIND LEADING EDGE.  
CLEANED AND PREPPED AREAS OF MISSING PAINT. APPLIED TOUCH-UP PAINT TO REQUIRED AREAS IAW LEAR40 AMM 20-50-00.
- 1.22 27970. RIGHT WING UPPER WING WALK "STEP HERE" PLACARD MISSING LETTERS.



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CLEANED WORN "STEP HERE" PLACARD OFF, LEANED AND PREPPED AREA AND APPLIED NEW "STEP HERE" PLACARD  
JAW LEAR40 AMM 11-00-00.

1.23 27971. RIGHT SIDE #5 CABIN WINDOW HAS 2 SCRATCHES.

VERIFIED RIGHT SIDE #5 CABIN WINDOW SCRATCHES TO BE OLD HARDENED ADHESIVE RESIDUE. REMOVED OLD  
ADHESIVE FROM WINDOW EXTERIOR JAW LR-40 MM CH 12-24-00.

1.24 27972. TEMP SENSOR COVER BEHIND PILOTS SEAT NOT SECURED TO SENSOR.

REINSTALLED TEMPSSENSOR COVER JAW LEAR 40 AMM 21-60-00.

1.25 27973. CO-PILOTS CREW O2 MASK LINE AS IT COMES OUT OF CREW SEAT BACK GROMMET NOT SECURED INTO  
PLACE.(HAS MOVED UP LINE)

RESECURED GROMMET BACK INTO PLACE JAW LEAR40 AMM 35-10-01. NO OTHER DEFECTS NOTED AT THIS TIME.

1.26 27974. NOSE GEAR LWR BARREL. "GROUND HERE" PLACARD ILLLEGIBLE.

REMOVED WORN PLACARD AND REMAINING ADHESIVE. CLEANED AND PREPPED AREA. APPLIED NEW PLACARD P/N  
4511203100-026. JAW LEAR40 AMM 11-00-00.

1.27 27975. PILOTS FLASHLIGHT LIGHT MISSING BUTTON COVER.

3/3/22. ORDERED NEW FLASH LIGHT ASSY.  
3/4/22. REINSTALLED SERVICABLE FLASHLIGHT ASSY JAW LEAR40 AMM 33-50-05.

1.28 27976. COCKPIT PEDESTAL HOBBS METER 1/4 TURNS NOT SECURED.

TURNED THE 2 QUICK RELEASE QUARTER TURNS CLOCKWISE TO THE LOCKED POSITION. NO OTHER DEFECTS NOTED.

1.29 27977. PILOTS SUNVISOR DOES NOT STAY IN SET POSITION.

ADJUSTED PILOTS SUNVISOR SWIVEL. POINTS JAW LEAR40 AMM 25-10-02. NO OTHER DEFECTS NOTED.

1.30 27978. PILOTS FLOOR CARPET OUTBOARD SIDE IS PULLING AWAY FROM ATTACH MATERIAL.

INSPECTED PILOTS OTBD SIDEMALL CARPET. TRIMMED CARPET MATERIAL TO FIT. CLEANED AREA. APPLIED NEW  
VELCRO. REFITTED CARPET. OK'D GOOD JAW LR40 AMM CH 20-11-00.

1.31 27979. CO-PILOTS SLIP INDICATOR LIGHT WIRE POST IS BROKEN.

FOUND CO-PILOTS WIRE TO BE DISCONNECTED NOT BROKEN. RECONNECTED BACKLIGHTING WIRING JAW LEAR40  
AMM 34-22-01. NO OTHER DEFECTS NOTED.

1.32 27980. CO-PILOTS CLIP HOLDER IS BROKEN.

3/3/22, PART RECEIVED. PART IS POST S/B NEED TO VERIFY IF CUSTOMER WANTS TO COMPLY WITH S/B OR ORDER  
DIFFERENT PART.  
3/8/22. REPLACED PILOTS CLIPHOLDER AND SHIM PER S/B 40-25-32. REMOVED P/N 2155 & P/N 4525103169-002  
INSTALLED P/N 2126860 & P/N L2015-453169-003.  
REPLACED CO-PILOTS CLIPHOLDER WITH P/N 21155 AND REINSTALLED ORIGINAL CO-PILOTS SHIM P/N  
4525103169-001.

1.33 27981. PILOTS SIDE FWD DIVIDER DOOR WING DOES NOT LIFT UP INTO PLACE WHEN DOOR IS SHUT. DOOR TRAVELS  
LIMITED AND DOES NOT CLOSE FULLY. SUSPECT ISSUES ARE RELATED.

REMOVED PILOTS SIDE FWD DIVIDER ASSY. INSPECTED AND FOUND POP-UP PANEL HARDWARE MISSING. FOUND  
PANEL HARDWARE TO BE LOCATED AT THE BOTTOM OF THE POCKET ASSY. REINSTALLED ROLLER WITH A NEW



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SCREW AND RE-INSTALLED DIVIDER DOOR ASSY JAW LEAR40 COMPLETION MANUAL 25-20-04.

- 1.34 27982. GALLEY MOUNTED DVD (LOWER DRAWER) DVD SLIDE COVER IS NOT SECURED ON UNIT.  
FOUND SLIDE COVER NOT INSTALLED IN SLIDER TRACKS. REINSTALLED SLID COVER IN TRACKS. NO OTHER FAULTS NOTED.
- 1.35 27983. CREW PBE, GALLEY STORAGE COMPARTMENT IS PLACARDED FOR UNIT ONLY, HOWEVER SEVERAL LOOSE ITEMS ARE IN COMPARTMENT.  
REMOVED LOOSE ITEMS FROM "NO STORAGE" SHELF UNDER CREW PBE. NO OTHER DEFECTS NOTED.
- 1.36 27985. FLOOR RUNNER SNAP (FWD OF E-EXIT) IS NOT SECURED TO FLOOR, WHICH HAS ALLOWED FLOOR EGRESS LIGHT(RED) ASSY TO COME APART.  
RESECURED BULTON SNAP ON CENTER FLOOR RUNNER. REINSTALLED EGRESS LIGHT COVER ASSY. NO OTHER DEFECTS NOTED.
- 1.37 27986. LAV STORAGE NET AREA WEIGHT LIMIT PLACARD IS NOT SECURED IN CORRECT LOCATION(FOUND ON FLOOR).  
FOUND PLACARD ADHESIVE BACK TO BE DIRTY. CLEANED PLACARD BACKING REAPPLIED PLACARD TO PROPER LOCATION WITH NEW TAPE JAW LEAR40 AMM 11-31-00.  
27987. FIRST AID KIT IS ON FLOOR IN CABIN, PLACARD ON BULKHEAD(AFT L/H FWD FACE) STATES IT SHOULD BE IN LAV BEHIND DIVIDER.  
1.38 3/9/22. ORDERED CORRECT PLACARD P/N M4511080007-704 AND VERIFIED CORRECT LOCATION PER COMPLETION MANUAL.  
3/21/22. INSTALLED PLACARD P/N M4511050007-704 JAW LEAR 40 MM 11-00-00 AND PLACED FIRST AID KIT IN PROPER LOCATION BEHIND AFT DIVIDER IN LAV STORAGE AREA.  
1.39 27988. LAV STORAGE NET AREA HAS 3EA TRIM CLOSE OUT PANELS LOOSE IN NET AREAS. NEED TO LOCATE WHERE SHOULD BE INSTALLED AND REINSTALL. (1EA CLEAR, 2EA BLACK PANELS.)  
3/4/22. LOCATED TRIM PIECES AND RESEARCHED POSSIBLE INSTALLED LOCATION ON A/C AND IN MANUALS. STILL IN WORK.  
3/9/22 RESEARCHED THROUGH COMPLETION MANUAL FOR PASSENGER SEATING AND INTERIOR TRIM PIECE LOCATIONS. NO REFERENCES FOUND. REMOVED FROM AIRCRAFT.  
1.40 28187. LAV DOORS WILL NOT CLOSE-AISLE RUNNER BLOCKING DOORS FROM CLOSING.  
REAPPLIED DOUBLE SIDED TAPE TO LAV AREA OF CENTER RUNNER JAW LEAR40 MM 25-20-50. NO OTHER DEFECTS NOTED.  
1.41 28190. FORWARD UPPER SECTION OF TOILET CABINET HAS A CRACK.  
INSPECTED, FOUND CRACK TO BE COSMETIC IN NATURE. NO STRUCTURAL DAMAGE NOTED. NO FURTHER ACTION REQUIRED.  
1.42 28191. LEFT 1ST AFT FACING SEAT OUTBOARD FWD SIDE OF SEAT SKIRT IS NOT SECURE.(OUTBOARD OF SNACK DRAWER).  
REATTACHED LEFT 1ST AFT FACING SEAT LOWER SKIRT. UPON FURTHER INSPECTION, ALL PASSENGER SEAT SKIRTS WERE INSTALLED IMPROPERLY. REATTACHED ALL PASSENGER SEATING SKIRTS CORRECTLY PER LEAR40 CMM 25-20-45.  
1.43 28192. PBE STORAGE CONTAINER PLASTIC COVER NOT SECURE. IN RT FWD STORAGE CLOSET.



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- 3/9/22. PARTS ON ORDER. P/N 4406001-001
- 3/21/22. REPLACED LOOSE TAMPER INDICATORS P/N 4406001-001 JAW LEAR40 M/M 11-00-00.
- 1.44 28193. AIR DUCTING UNDER CO-PILOTS RUDDER PEDAL. IN THE PATH OF THE RUDDER PEDAL TRAVEL.  
REMOVED AIR DUCT FROM UNDER RUDDER PEDALS AND RE-ROUTED AND RECONNECTED TO GASPER OUTLET JAW LEAR40 AMM 21-20-06. RUDDER PEDALS CR'D GOOD.
- 1.45 28197. AED LOCATION PLACARD MISSING FOR AED KIT.  
INSTALLED AED PLACARD P/N 530472-1 PER EIM SAFETY BRIEFING CARD DATED 03/01/2022 DOC.ID OP-AT5-30-0443.
- 1.46 28198. FIRST AID KIT LOCATION PLACARD MISSING IN LAV CLOSET.  
3/9/22. PART ON ORDER. P/N M4511080007-704. PLACARD LOCATION ON AFT WALL LT SIDE IN LAV STORAGE AREA PER COMPLETION MANUAL.  
3/21/22. INSTALLED MISSING PLACARD P/N M4511080007-704 JAW LEAR40 M/M 11-00-00.
- 1.47 28199. LAV LIFEVEST COVER MISSING VELCRO.  
REMOVED OLD WORN VELCRO. CLEANED AND PREPPED AREAS AND INSTALLED NEW VELCRO JAW LEAR40 AMM 20-11-00.
- 1.48 28200. RIGHT WING LEADING EDGE MOST OUTBOARD UPPER SECTION HAS AREAS OF SEALANT MISSING.(WINGLET SECTION.)  
CLEANED,PREPPED AND REPAIRED RT WING LEADING EDGE SEALANT AT RT WINGLET JAW LEAR40 MM 20-10-00.
- 1.49 28201. RIGHT ENGINE STARTER GENERATOR INLET DUCT AND PANEL HAS AREAS OF PAINT MISSING.  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED JAW LR-40 MM CH 20-50-00.
- 1.50 28202. PANEL MISSING PAINT TO BARE METAL UNDER LEFT VOR ANTENNA.  
CLEANED, PREPPED, PRIMED AND PAINTED AS NEEDED JAW LR-40 MM CH 20-50-00.
- 1.51 28204. THE CURRENT LOOSE EQUIPMENT (GPS) CANNOT BE INSTALLED/CONFIGURED USING CURRENT METHOD. TO BE ACCEPTABLE IT WOULD HAVE TO BE TRULY CONFIGURED/ROUTED WHERE ALOOF IT CAN BE REMOVED EASILY(WITHOUT DIFFICULTY OR TOOLS)-UNITS,CABLES,ETC.  
3/8/22. REMOVED SIDE WALL FOR ACCESS TO LOOSE EQUIPMENT WIRING INSTALLED AND TOOK PHOTOS. WAITING ON CUSTOMER APPROVAL FOR REMOVAL OF EQUIPMENT.  
3/11/22. REMOVED LOOSE EQUIPMENT. TOOK MEASUREMENTS OF GARMIN EQUIPMENT AND CUP HOLDER FOR EIM.REINSTALLED TRAY TABLE JAW LEAR40 COMPLETION MANUAL 25-20-14 AND SIDE WALL PANELS JAW LEAR40 COMPLETION MANUAL 25-20-19.
- 1.52 28205. LOWER RIGHT HORIZONTAL STABILIZER LEADING EDGE HAS SEALANT MISSING IN SEVERAL AREAS.  
CLEANED ,PREPPED AND REPAIRED RT HORIZONTAL STABILIZER AREAS WITH SEALANT JAW LEAR40 MM 20-10-00.
- 1.53 28206. FIRST AID KIT INSPECTION STICKER NOTATES 7/29/2020. THIS IS A 12 MONTH TASK.  
PERFORMED 12 MONTH INSPECTION OF THE FIRST AID KIT. NO DEFECTS NOTED.
- 1.54 28207. RIGHT WING TOP INBOARD LEADING EDGE PANEL HAS GOUGE/NICK BELOW STEP HERE PLACARD.  
3/10/22. LOCATED DAMAGED AREA AND LOOKED UP LIMITS AND REPAIR PROCEDURE.  
3/11/22. REVORKED DAMAGED AREA AS REQUIRED JAW LEAR40 SRM 57-40-00.  
3/16/22. APPLIED SEALANT TO PANEL JAW LEAR40 MM 20-10-00.



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- 1.55 28208. "OPEN" VERBIAGE ON SPRR FUEL SERVICE DOOR LATCHES BOTH UNREADABLE  
3/4/22. LOCATED SQUAWK LOCATION RESEARCHED P/N'S REQUIRED.P/N 101283-1 (QTY. 2)  
3/10/22. REMOVED BOTH PLACARDS AND CLEANED AND PREPPED AREA. APPLIED NEW PLACARDS IAW LEAR40 AMM 11-00-00.
- 1.56 28209. BAGGAGE COMPARTMENT PANEL FWD OF BAGGAE DOOR FRAME HAS SECTION NOT SECURE.  
REMOVED BAGGAGE LINER AND REPLACED SEVERAL AREAS OF VELCRO IAW LEAR40 AMM 20-11-00. REINSTALLED L/H LINER.
- 1.57 28210. FWD LOWER SECTION OF BAGGAE COMPARTMENT DOOR FRAME PANEL IS DAMAGED.  
INSPECTED BAGGAGE DOOR FRAME PANEL,APPLIED STRUCTURE ADHESIVE TO ABRADED AREAS TO COVER COMPOSITE IAW LR40 AMM CH 20-11-00.
- 1.58 28211. BAGGAGE COMPARTMENT WEIGHT PLACARD ON AFT WALL IS DAMAGED AND HAS LETTERS WORN, UNREADABLE.  
REMOVED DAMAGED PLACARD AND INSTALLED NEW PLACARD P/N M4511080007-404 IAW LR-40 MM CH 11-00-00.
- 1.59 28212. MIDDLE 2 STATIC WICKS INSTALLED ON THE RT WINGLET ARE STAMPED WITH FAA/PMA. CURRENTLY THE WICKS INSTALLED ARE NOT ACCEPTABLE TO BE INSTALLED PER THE FAA,PMA DATABASES UNLESS 8130 TAGS FOR EACH WICK WAS ISSUED BY BOMBARDIER.  
REPLACED BOTH R/H WINGLET STATIC WICKS IAW LEAR40 AMM 23-60-00.
- 1.60 ON-BOARDING PHYSICAL COMPONENT AUDIT REQUIRED.  
3/9/22 GAINED ACCESS TO GALLEY AVIONICS. 3/16/22 REMOVED PANELS 120AR, 130AL, 320C, 320ER, AFT EQUIPMENT DOOR AND LT LOWER IAW PANEL TO GAIN ACCESS TO EQUIPMENT. 3/17/22 PERFORMED AUDIT. STARTED REINSTALLATION OF PANELS. 3/18/22 COMPLETED PANEL REINSTALLATION.
- 1.61 2620006. ICC HYDRO- ENGINE FIRE EXTINGUISHER CONTAINER (60 MO). LEFT P/N 33100021-1 S/N 54473B1 UPPER POSITION.  
3/8/22. RESEARCHED REQUIRED SEAL P/N'S  
3/9/22. REMOVED LEFT ENG FIRE BOTTLE IAW LEAR40 AMM 26-21-01. BAGGED AND SEALED ALL LOOSE CONNECTORS AND PLUMBING OPENINGS.  
3/21/22. REINSTALLED SAME S/N 54473B1 IN THE L/H POSITION IAW LEAR40 M/M 26-21-02.
- 1.62 2620006. ICC HYDRO- ENGINE FIRE EXTINGUISHER CONTAINER (60 MO). RIGHT P/N 33100021-1 S/N 52551B1.  
3/9/22. REMOVED RIGHT ENGINE FIRE BOTTLE IAW LEAR 40 AMM 26-21-01. BAGGED AND SEALED ALL LOOSE CONNECTORS AND OPEN PLUMBING.  
3/21/22. REINSTALLED SAME S/N 52551B1 IN THE R/H POSITION IAW LEAR40 M/M 26-21-02.
- 1.63 12M NITROGEN PRESSURE CHECK ON THE ANTENNA COUPLER.  
PERFORMED NITROGEN PRESSURE CHECK OF THE HF ANTENNA COUPLER IAW LEAR40 COMPLETION MANUAL SWM 23-12-00. PRESSURE READS @9 PSI.
- 1.64 MAIN BATTERIES DUE CAPACTY CHECK.  
REMOVED AND REPLACED BOTH MAIN BATTERIES WITH NEW UNITS IAW LR-40 MM CH 24-31-06. OPS CK GOOD.  
#1 P/N OFF RG-380E/40L S/N OFF 40745696  
#1 P/N ON RG-380E/40L S/N ON 41195049



Log Book Entry

6 DRBA WAY  
NEW CASTLE, DE 19720  
United States

March 22, 2022

Telephone: 1-844-JETTEX

Fax:

# 2 P/N OFF RG-380E/40L S/N OFF 41101273  
# 2 P/N ON RG-380E/40L S/N ON 41195012

1.65 SEALANT MISSING FROM LOWER VERTICAL STAB LEADING EDGE.

REPLACED MISSING SEALANT JAW LEAR40 MM 20-10-00.

1.66 DURING AVIONICS AUDIT FOUND CO-PILOTS OXYGEN MASK MIC TO BE INOP.

REMOVED LOWER SECTION OF O2 MIC AUDIO LEAD FROM CREW SEAT, FOUND 2 BROKEN WIRES IN AUDIO JACK CONNECTION, REPAIRED DAMAGE WIRING JAW LEAR40 W/M 20-20-01. REINSTALLED AUDIO LEAD IN CREW SEAT. NO OTHER DEFECTS NOTED.

1.67 O2 PRESSURE IS LOW.

SERVICED TO PROPER LIMITS JAW LR-40 MM CH 12-10-05.

1.68 ALL TIRE PRESSURITES ARE LOW.

SERVICED TIRES WITH N2 TO PROPER LIMITS JAW LR-40 MM CH 12-10-04.

1.69 O2 ACCESS DOOR SEAL IS LOOSE.

REGULED SEAL JAW LR-40 MM CH 20-11-00.

1.70 EIM PARKED CHECKLIST DUE.

COMPLIED WITH EIM PARKED AIRCRAFT CHECKLIST. NO DISCREPANCIES NOTED.

1.71 CUPHOLDER AT #2 FWD FACING PAX SEAT HAS A HOLE IN BOTTOM OF HOLDER.

SEALED EXPOSED HOLE WITH PRO SEAL JAW LEAR40 M/M 20-10-00. REINSTALLED CUPHOLDER INSERT. NO OTHER DEFECTS NOTED.

1.72 NAV DATABASE IS DUE.

UPDATED NAV DATABASE TO CYCLE 21APR22. JAW UNIVERSAL POH.

1.73 RETURN TO SERVICE FOR GENERAL MAINTENANCE OR INSPECTION

COMPLETED ABOVE INSPECTION/MAINTENANCE JAW 14 CFR 91.409(F)(3) AND 43.13, OEM PROCEDURES AND IS APPROVED FOR RETURN TO SERVICE

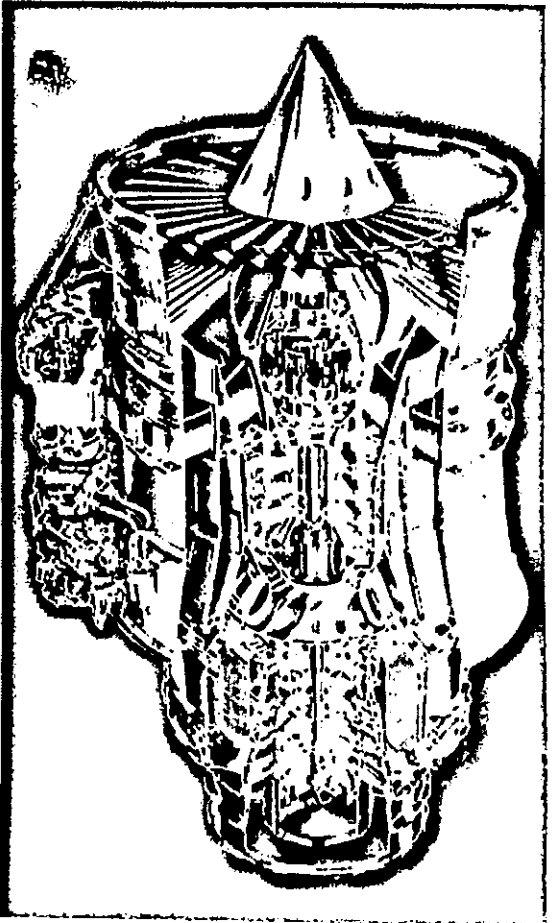
TECHNICIAN: CHRIS PIKE

TECHNICIAN SIGNATURE: *Chris Pike*

CERTIFICATION: ARP 2801227

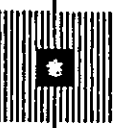
DATE COMPLETED: 3/22/22

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number LUK22-613.



45-2097  
LH

# TFE731



## ENGINE LOG BOOK

### Honeywell

HONEYWELL International Inc.  
Engine & Systems  
111 S. 34th Street  
Phoenix, AZ 85034-2882

S/N P116948C

P13107-383



# This log Book

Has been prepared to enable the operator of HONEYWELL INTERNATIONAL INC. aircraft engines to maintain the engine records required by the Federal Aviation Administration. Ample space has been provided to record the total time in service on the engine, the inspection performed, and the maintenance accomplished.

PX-3107-20B

ENGINE DATA

*Winds*

SERVICE RECORD

Date 12/31/2021

Permanent Aircraft Record - File in Maintenance Log

### ENROLMENT FORM - Honeywell TRE731 JET-CARE ENGINE CONDITION TREND MONITORING PROGRAM

JET-CARE  
JET-CARE  
JET-CARE  
JET-CARE

Please tick in applicable:  ENROLMENT  TRANSFER  UPDATE \*  
If you are using the form to update Jet-Care with new Aircraft or Reporting Information, please also include previous form or registration and JC Code wherever known or possible.

#### OWNER / OPERATOR INFORMATION

JC CODE

OWNER NAME: Cecil Swiss  
OPERATOR NAME: Visage Capital Management GmbH  
PRINCIPAL REPORTING CONTACT: Geoffrey

TITLE OR POSITION: NB THIS FIELD TO BE COMPLETED BY SPECIAL INSTRUCTED REPORTS - BOTH INFLIGHT AND AOG

ADDRESS 1: Struckelsh. 31, A-5080 Salzburg

ADDRESS 2: \_\_\_\_\_

ADDRESS 3: \_\_\_\_\_

TEL: +49 772 68 95 504 FAX: +43 662 234 66 77 33

E-MAIL: \_\_\_\_\_

FORM 18 Jet-Care's preferred method of contact, please provide this in clearly legible & you update Jet-Care if that changes.

AIRCRAFT TYPE: CRJ 90 AIRCRAFT / ENGINE INFORMATION

ENGINE TYPE: TFE 737-20 DECC  AIRCRAFT REGISTRATION: OE-GUX

MANUFACTURER OF THRUST REVERSER IF EQUIPPED: \_\_\_\_\_

ENGINE S/Ns: #1 \_\_\_\_\_ #2 \_\_\_\_\_ #3 \_\_\_\_\_ #4 \_\_\_\_\_

SERVICE CONTRACT TYPE / NUMBER: \_\_\_\_\_

Disclaimer: Owner / Operator acknowledges and agrees that (1) the JET-CARE system is designed mainly to perform specifically identified engine condition trend monitoring functions, and is not designed or intended to detect all failure, defects, or performance trends in engines, (2) engine condition trend monitoring systems like JET-CARE are inherently uncertain and dependent upon factors not known or controlled by JET-CARE, such as engine history, past inspections, inherent defects and the timely reporting of those and through data by operators, and (3) Owner / Operator does not and will not rely exclusively upon the JET-CARE system to detect all engine failures, trends and malfunctions. As a consequence, JET-CARE's liability for any particular monitoring service transaction shall be limited to the service fee payable for such services for said engines for one year. Owner / Operator's sole remedy therefore shall be to recover the amount of such fee, or to require JET-CARE to perform the service in its discretion. In no event shall JET-CARE be liable for any consequential, indirect, special or incidental damages or losses on account thereof.

I, the undersigned, have read, understood and agree to be bound by the above disclaimer and have been authorised to sign on behalf of the Owner / Operator in acceptance of Jet-Care's Terms and Conditions.

OWNER / OPERATOR AUTHORISED SIGNATORY: SIGN AND PRINT \_\_\_\_\_ DATE: 01 May 2008

OWNER / OPERATOR SHOULD FAX THE COMPLETED AND SIGNED FORM TO:

JET-CARE INTERNATIONAL, INC.  
3 Saddle Road, Cedar Knolls  
NJ 07827, USA  
Tel. +1 973 282 9897  
Fax. +1 973 282 3030

JET-CARE  
Palace Gate, Oattham  
Hampshire, RG29 1NP, UK  
Tel. +44 (0) 1256 701 777  
Fax. +44 (0) 1256 701 377

Jet-Care is a trading name of Phoenix International Ltd.  
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Permanent Aircraft Record - File in Maintenance Log

Date 12/01/2021

### SERVICE RECORD

### ENGINE DATA

100000 100000

812P0001  
 ALC. TAG NO.: RAI-0019U13

HAMEVELL INTERNATIONAL INC. \*BATO029313\*



ROLLETAINE 180

UNIT: 306022-4 SERIAL NO.: P11998 UNIT: 6208 ALLOCATION:  
 MODEL: Y1E731-ANM-18 SERIAL: 1 CHANGES: NONE INSPECTOR: A  
 CUSTOMER: 488-LEAKEI INC. SALES OFFICE: 401005-003

PNR NO.	SERIAL NO.	PART NO.	LOT NO.	SERIAL NO.	HOURS
306022-4	071509701137	13060155-6	08P032	07-13651-06137	0.0
211882-1068	127-642927	54 13060156-2	0727643351	0727643369561	0.0
306022-4	2783	08P010	08P010	070222901836	0.0
306022-4	1179	13060610-3	08P025	070322903042	0.0
3070805-11	17610	51 13060610-3	07P347	073222902485	0.0
3070805-37	19168	54 13060666-7	08P010	08P00567	0.0
3944/0-2	2750	51 13060694-6	08P025	07P13995	0.0
158445-6	12977	51 13070440-22	08P025	060316004247	0.0
107686-6-1	12599	51 13072417-12	08P023	070316004011	0.0
160552-3	13483	51 13074744-1	08P019	07P33667	0.0
160554-5	1782	51 13075841-2	08P028	070350106961	0.0
160554-5	2588	54 13075841-2	08P030	070316001323	0.0
3067259-1	2684	51 13060534-4	08P014	08P00898	0.0
4060760-4	2560	13060371-1	08P014	08P01720	0.0
3060789-2	071463/01652	52 13060302-2	08P024	070322905446	0.0
3060127-2	5-2934	13060599-2	08P022	08P024	0.0
3070809-15	08P0355	13060555-5	08P022	071217209454	0.0
		13060599-2	08P027	08P02455	0.0
		13060385-1	08P026	070350103752	0.0
		13060180-2	08P023	070337002227	0.0
		13060180-2			
		13060180-2			
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		13060180-2			

ENGINE DATA

SERVICE RECORD

With Current Federal Aviation Regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and

Permanent Aircraft Record. File in Maintenance Log.

Date 12/31/2021

2007-12-11 17:00

100-420-1 ENGINE TEST 11-01-08  
NO. 100-420-1-100-100-1  
ENGINE SERIAL NUMBER P11948

TEST DATE 02 28 2008

SEA-LEVEL  
U.S. STANDARD DAY  
STATIC CONDITIONS

SEA-LEVEL  
91.0 F  
STATIC CONDITIONS

PARAMETER	REQUIRED VALUE	TEST VALUE		REQUIRED VALUE	TEST VALUE	REQUIRED VALUE	TEST VALUE
		MINIMUM	MAXIMUM				
THROAT STATIC FUEL CONSUMPTION @ 18-1/2 INCHES	0.435	0.436				0.436	
HIGH PRESSURE TURBINE DISCHARGE TEMPERATURE, °F		1453				1576	
ENGINE SPEED, NO. RPM	1	17776		1		18344	

ACCEPTANCE TEST COMPLETED WITH ALL-OIL COOLERS INSTALLED.  
NO PERFORMANCE ADJUSTMENTS HAVE BEEN MADE.

NO COMPRESSOR PART NO. 1060715-4

TEST LABORATORY



DATE FEB 06 2008

CONTACT I ASSURANCE  
*Frank*  
DEC 4 2008

01 23 07 6 2 6 70 22 28 07 22 53 33 02 06 09

ENGINE DATA

SERVICE RECORD

with current Federal Aviation regulations under the Jet Linx Aviation Approved Aircraft Inspection Program and

Permanent Aircraft Record - File in Maintenance Log

Date 12/31/2021

DSC-9429 . REV

Home/vee:1 Engine TEST-20AR-18  
Home/vee:1 Part Number 366082-5  
ENGINE SERIAL NUMBER 7116924

TEST DATE 02/06/2008

AUTOMATIC PERFORMANCE RESERVE  
PERFORMANCE AT TAKEOFF  
SEA LEVEL STATIC CONDITIONS

TEST VALUES


PISTON SETTINGS	AMBIENT TEMP SEC. C ?	REQUIRED FUELSIST LBS	TRUST LBS	N2 RPM (MAX VALUE 30,886)	N1 RPM (MAX VALUE 19,908)
A/R	3) 9.33 0	3650	3630	29927.	18641.

SIGNATURE

DATE

ACCEPTANCE TEST CONDUCTED WITH AIR-OIL  
COOLETS INSTALLED. NO PERFORMANCE  
ADJUSTMENT HAS BEEN MADE

TEST  
LABORATORY

 FEB 06 2008

QUALITY  
ASSURANCE



FEB 06 2008

02/25/07 4.72 4.72 02/25/07 12:53.33 02/06/08

ENGINE DATA

SERVICE RECORD

with current Federal Aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and

Permanent Aircraft Record - File in  
Maintenance Log

Date 12/31/2021

# ENGINE DATA

Model No. TFE731-20BR-1B  
~~TFE731-20AR-1B~~ *As Delivered*

Part Number 3060084-1  
~~3060082-6~~ *As Delivered*

Serial No. P116948C

Net Thrust - Lbs. Takeoff 3650

Maximum Continuous 3500

Specific Fuel Consumption - Lb/Hr. .438

High Pressure Turbine Discharge Temperature

Deg F \_\_\_\_\_

Deg C \_\_\_\_\_

Fuel - See Aircraft Flight Manual

Oil - See Aircraft Flight Manual

TOTAL ENGINE WEIGHT 868 LBS.

PX3107-22A

Copy of the above stated information is approved for use in the service *Handwritten Signature*

**SERVICE RECORD**

with current Federal Aviation regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and Permanent Aircraft Record - File in Maintenance Log

Date 12/31/2021

201 312 77

NOTES: THIS TEST IS CONDUCTED AT SEA-LEVEL, 91 C F STATIC CONDITIONS. ENGINE SERIAL NUMBER P11998

TEST DATE: 02/06/08

PARAMETER	SEA-LEVEL U.S. STANDARD DAY STATIC CONDITIONS		SEA-LEVEL 91 C F STATIC CONDITIONS	
	REQUIRED VALUE	TEST VALUE	REQUIRED VALUE	TEST VALUE
NET WEIGHT LBS	3500 MINIMUM	3500	3500 MINIMUM	3500
TYPICAL SPECIFIC FUEL CONSUMPTION IN HP-HRS	0.436 MAXIMUM	0.446	0.438 MAXIMUM	0.446
MAXIMUM PRESSURE TORQUE		183		1976
DISCHARGE TEMPERATURE, F				
ENGINE SPEED, N, RPM		17716		18144

ACCEPTANCE TEST CONDUCTED WITH AIR-OIL COOLERS INSTALLED.  
NO PERFORMANCE ADJUSTMENTS HAVE BEEN MADE.  
NO COMPENSATION PART NO. 1060715-4

TEST LABORATORY  
*R. R. R. R.*  
 SIGNATURE  
 DATE: FEB 06 2008  
 QUALITY ASSURANCE  
*Standard*  
 (24) 2008

02/06/08 14:27:02 22 53 33 02:08:08

Copy of the above listed performance data to be furnished to the customer.

**SERVICE RECORD**

with current Federal Aviation Regulations under the Jet L on Aviation Approved Aircraft Inspection Program and

Perennial Aircraft Record - File in Maintenance Log

Date 12/31/2021

252-9413 . REC

ROPEREY 1 ENGINE TFE731-10A8-15  
MFG PART NUMBER 1060282-6  
ENGINE SERIAL NUMBER 2116944

TEST DATE 02/06/2008

AUTOMATIC PERFORMANCE RESERVE  
PERFORMANCE AT TAKEOFF  
SEA LEVEL STATIC CONDITIONS

PULSER SETTING	AVIANT TEMP. DEC. C. F.	REQUIRED THRUST LBS	TEST VALUES	
			THRUST LBS (MAX VALUE)	N1 RPM (MAX VALUE)
APR	31 9-93 0	3650	3650 (30,886)	18647 (16,909)
ACCEPTANCE TEST CONDUCTED WITH ATR-011 COOLERS INSTALLED. NO PERFORMANCE ADJUSTMENT HAS BEEN MADE				
TEST LABORATORY R. Reuking		SIGNATURE	DATE	
QUALITY ASSURANCE			FEB 06 2008	

02/25/07 6:72 6:72 02.26/07 12:53:33 02/06/08

Signed *Michael*

**SERVICE RECORD**

Current Federal Aviation Regulations and/or the JEL for Aviator Approved Aircraft Inspection Program and

Permanent Aircraft Record - File in Maintenance Log

Date 12/31/2021





MA

This Maintenance Transaction Report is To Be Soley For Honeywell TRE731-20BR  
Aircraft Engine 1 Engine 2

Serial No

45-2097 P-116948C

P-116947C

Jet Line Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68144  
402.315.1025

### 000TRAXXALL Maintenance Transaction Report

#### Aircraft Identification and Status

Aircraft Serial No	45-2097	Aircraft Reg No	N480ES	Date	31-Dec-2021	HTS	ACH	Eng#1	Eng#2
								3.515.8	2.658

#### Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Type	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	TSX	Inst. Part	Mat. Code	Main Hours
720011	1	Ins	Replace Fuel Filter Element (S-Hi-insall) ENG2									
750001	2	Ins	Engine Baseoil SOAP Sample and emp detector, ENG2									

Compliance note: Replaced left engine fuel filter element PN 697830-1 see B130 001152480 dated 8/25/2021. Ref Honeywell LMM Subtask 73-21-02-430-003-A01. Performed leak check, no defects noted.

Compliance note: Took oil sample from left engine to send in for SOAP analysis. Inspected emp detector no defects noted. Performed leak check, no defects noted. Ref Honeywell LMM Subtask 73-10-01-420-002-A01.

#### Legend:

Component Ins: Inspection; SB: Service Bulletin; AD: Airworthiness Directive; Sng: Snag; Pkg: Package  
 Reason for Removal: D: Damaged; E: Exhaustion; F: Failure; L: Loose; P: Swap; S: Service; W: Worn; O: Other/Component

Service Center	Work Order No	Section	Maintenance Log
Master Work (Map)	40337721	12 29 / 076	Engine
Inspected By	Inspector	Mark (Map)	RIT Inspector

Work Performed By Technician: 40337721  
 Date: 12/31/2021  
 Permanent Aircraft Record - File In Maintenance Log



Reg. #: N480ES Date: December 18, 2021 Work Order: FUH6  
Make: HONEYWELL Model: TFE731-20BR-1B  
ENGINES

#1 Eng S/N: P-116948C #1 Eng TSN: 3488.0 #1 Eng CSN: 2640

**Performed the following general maintenance under work order FUH6A:**

- Installed engine S/N P-116948C in the #1 position of Learjet 45 S/N 45-2097 at aircraft TT 3488.0 Landings 2640. Inspected by Duncan Aviation CRS JGVR194F under work order FUH6B dated 08 Dec 2021
- Oil Change. Serviced with Mobil 254.
- Post MPI 5-point performance run.
- Post MPI Vibration Survey.
- Post MPI Gearbox Pressure Checks.
- Ground run leak check, overspeed shutdown, computer setup, M/M adjustment, and M/M transfer.
- Complied with engine installation depreservation.
- ECTM DEEC Download.

**A S.O.A.P. Sample, chip detector check, and fuel filter replacement will be required after the initial 25 Hrs. of operation.**

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. A detailed record is on file under work order **FUH6A**.

Signed: 

Duncan R11 229

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

Make Honeywell

Date 22 SEP 2021

Model TFE731-20BR-1B

WOW F568385



S/N P-116948

TSN 3342.7

Reg No N480ES

CSN 2523

CW 150 250 hour routine inspections and oil change. Removed oil filter P/N 3070945-1. Installed Oil filter P/N 3070945-1. Serviced engine with Mobil 254 engine oil. Performed post maintenance run up and leak check. Run up found good. No leaks noted. All work performed with reference to Honeywell LMM 72-03-06 R13 dated 18 Jan 2018, and other data and methods acceptable to the administrator. I certify the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on the at repair station DallasAirmotive, St. Paul, MN FAA Certified Repair Station # YR004911

Signed

1. Approving National Aviation Authority/Country: **2**

3. Form Tracking Number: **HE-0025EJM**

**FAAUNITED STATES**

**AUTHORIZED RELEASE CERTIFICATE**

FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address: **Honeywell International Inc.**  
**111 S. 34th St.**  
**Phoenix Az. 85072-2181**

5. Work Order/Contract/Invoice Number: **404505-003**

PRODUCTION APPROVAL  
 PCA13NM

6. Item:	7. Description:	8. Part Number:	9. Eligibility: <sup>a</sup>	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1. Last Item	TURBOFAN ENGINE Model: TFE731-20AR	3060082-6	N/A	1	P116948	NEW

13. Remarks:

1. "AIRWORTHINESS APPROVAL ... ENGINE. FOR DOMESTIC SHIPMENTS ONLY."

14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in condition for safe operation.  
 Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
<i>Edward Musgraves</i>	ODARF602216NM		
17. Name (Typed or Printed): Edward Musgraves	18. Date (m/d/y): Feb. 7, 2008	22. Name (Typed or Printed):	23. Date (m/d/y):

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) \*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

# Honeywell

HONEYWELL  
 111 S 34th Street, P O BOX 52161  
 PHOENIX, ARIZONA, 85072-2181  
 TELEPHONE (602) 231-1000  
 MFG CODE 99193

SHIPPER R NO  
 C-535716  
 080310  
 3/11/08

FOR MIKE LOCKHART  
 CUSTOMER  
 A O G

SHIPPED TO BLANK FORM  
 BOMBARDIER SERVICE CENTER  
 8220 W HARRY  
 BLDG 7, DOCK 10  
 WICHITA, KS 67209  
 ATTN: VERNON DREHER, (316) 619-4652

CC 488 AC EC TB SD

GROSS WEIGHT 0.54  
 DATE SHIPPED 3-10-08  
 PREPAID  
 B.L. NUMBER PHX864052368884

TERMS  
 NET 30  
 SHIPPING BOX MEASUREMENTS  
 1 ENVELOPE

SALES ORDER NO N/A  
 PURCHASE ORDER NO REFER TO LOG #N035

ITEM	PART NO	DESCRIPTION	LINE CODE	UNIT OF MEAS	QTY SHIPPED	QTY REC'D	UNIT PRICE	TOTAL PRICE
1	S21000-10C	NEW NAMEPLATE FOR PIN 3060084-1, TFE731-20BR, S/N P116947C, P116948C  NOT FOR INVOICING NEW NAMEPLATE FOR UPDATED ENGINE. OLD NAMEPLATES TO BE RETURNED TO HONEYWELL, PHOENIX. APPROVED... DONNA AMELIA, 57-251503-426	EA		2		N/C	

THESE COMMODITIES LICENSED BY U.S. FOR ULTIMATE DESTINATION  
 DIMENSION CONTRARY TO U.S. LAW PROHIBITED

This is to certify that the materials and/or articles noted hereon were produced or manufactured under a quality assurance system acceptable to the government and that applicable certificates and records are on file and available for review by authorized customer representatives.

WE HEREBY CERTIFY THAT THE GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE TRADEMARK AND PATENT ACT AS AMENDED (INCLUDING SECTIONS 1 AND 11 HEREOF) AND OF THE REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF COMMERCE UNDER SECTION 12 OF THE ACT.

*Handwritten signature*  
 3/11/08

**SERVICE RECORD**

ENGINE    
 MODULE    
 SERIAL NUMBER P116948 C

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS   
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

PAGE 1

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
			HOURS SINCE NEW	SINCE O/H	CYCLES SINCE NEW	SINCE O/H	
6-Feb-08			Ø	Ø	Ø	Ø	TOTALS BROUGHT FORWARD
							SERIES 1 CHG NONE
							HONEYWELL INTERNATIONAL INC. ENGINES & SYSTEMS
							N-1 COMPENSATOR 3060735-4
							FAA Form 8130-3 issued Feb. 07, 2008 He-0025EJM
							ODARF602216NM
							THIS ENGINE SERVICED WITH Mobil 354 oil ENGINE S/N P116948 DATE 2/15/08 LEANEST O/A INSTALLED ON ACFT 25-2077 ON THE LH SIDE DATE 2/18/08 LEANEST O/A
							TOTALS TO DATE

PX-3107-51

2

ENGINE MODULE    
 SERIAL NUMBER P116948C  
**SERVICE RECORD**  
 DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER  
 PAGE 2

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
			HOURS SINCE NEW	HOURS SINCE O/H	CYCLES SINCE NEW	CYCLES SINCE O/H	
							TOTALS BROUGHT FORWARD

Feb/22/2008  
**BOMBARDIER**  
**AEROSPACE**  
 ENG: P116948C POS: L/H CSN: 0 TSN: 0.0  
 CRS# LK2R981K WICHITA, KANSAS LEARJET INC.

Complied with Service Bulletin 72-5169 as "Convert Engine Model TFE731-20AR-1B to Engine Model TFE731-20BR-1B". Reidentified (etched) engine part number from p/n 3060082-6 to new p/n 3060084-1. and added a "C" suffix following the engine serial number.  
 Complied with run check, ground FT OK.

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER WORK ORDER NO. 137656 DATE FEB 22, 2008

SIGNATURE  LEARJET INC CRS# LK2R981K

MAR/12/2008  
**BOMBARDIER**  
**AEROSPACE**  
 ENG: P116948C POS: L/H CSN: 1 TSN: 1.9  
 CRS# LK2R981K WICHITA, KANSAS LEARJET INC

Replaced Engine data tag p/n S21000-10C with new updated data plate provided by Honeywell and verified by FAA FSDO office ICT due to previous compliance with Service Bulletin 72-5169 as "Convert Engine Model TFE731-20AR-1B to Engine Model TFE731-20BR-1B".

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER WORK ORDER NO. 137655 DATE MAR 12, 2008

SIGNATURE  LEARJET INC CRS# LK2R981K

<u>Mar 21 2008</u>				6.8			4			
				6.8			4			
Total Production Flight Test Time										
TOTALS TO DATE										

*Donny S. H. [Signature]*  
 LEARJET INC

D: 4894  
HONEYWELL TFE731-20BRN-EP-116948C  
Description Engine S/N P-116948C Lug  
RegNo N480ES

ITEM	DATE	488	CC	CURT
1				

ENGINE  MODULE   
SERIAL NUMBER P116948C  
**SERVICE RECORD**  
DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER  
PAGE 3

DATE APRIL 20, 2008

**BOMBARDIER**  
**LEARJET**  
Left Engine Model TFE731-20BR-1B Serial No. P116948C  
Complied with 35 Hr. Initial OI and later Analysis and fuel filter replacement per Honeywell/Lugh Maintenance Manual  
a 0 8 total engine hours, 4 had engine cycles  
Accomplished March 31, 2008  
FAA Airworthiness Directives reviewed thru bi-weekly supplement 2008-08. (70 number applicable engine 4111 r.m.d.)  
The engine identified above was inspected in accordance with current regulations of the Federal Aviation Administration  
and is approved for return to service. A detailed record of the maintenance and inspections accomplished is on file under  
Work Order Number W43097067-01 Engine Hours 16.3 Engine Cycles 10  
Signature *Thomas T. Chubbick* Date April 20, 2008  
Inspector Ronald R. Anderson Quality Assurance Dept  
Leaded Inc One Leapt Way, Wichita Kansas 67209 FAA Certified Repair Station # 1 EBR018X

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN  
CURRENT APPLICABLE MAINTENANCE MANUAL.







**ENGINE**  **MODULE**  **SERIAL NUMBER** \_\_\_\_\_

**SERVICE RECORD**  
 DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING /

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS				DESCRIPTION OF
			HOURS SINCE NEW	CYCLES SINCE O/H	CYCLES SINCE NEW	CYCLES SINCE O/H	
							TOTALS BRO

**CERTIFICATE OF RELEASE TO SERVICE**

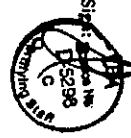
**Aero-Dienst**  
 Reg. Mark: OE-GVX  
 MO-Nr.: MO17118  
 A/C Type: Learjet 40  
 A/C TT: 81.07  
 Ldgs: 61  
 Eng. Type: TFE731-20BR-1B  
 Eng. SN: P116948C  
 Post: LH  
 CSN: 81  
 Loc: Nuremberg  
 TSO: N/A  
 CSO: N/A

**Unscheduled Maintenance Check completed i.a.w. Honeywell L.M.M. Report No. 72-03-06 rev. 9, dated May 15, 2007:**  
 Performed unscheduled SOAP check due to chip indication  
 Serviced engine with Mobil Jet Oil 254

**Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the engine is considered ready for release to service.**

Date: May 20, 2008  
 for DE 145.0059  
 Tel: +49 911 9356 0  
 Fax: +49 911 9356 417

Page 1 of 1



**CERTIFICATE OF RELEASE TO SERVICE**

**Aero-Dienst**  
 Reg. Mark: OE-GVX  
 MO-Nr.: MO17308  
 A/C Type: Learjet 40  
 A/C TT: 123.43  
 Ldgs: 103  
 Eng. Type: TFE731-20BR-1B  
 Eng. SN: P116948C  
 Post: LH  
 CSN: 123.43  
 Loc: Nuremberg  
 TSO: N/A  
 CSO: N/A

**Scheduled Maintenance Check completed i.a.w. Honeywell L.M.M. Report No. 72-03-06 rev. 9, dated May 15, 2007:**  
 Performed 150-200 hour inspection (SOAP check)  
 Serviced engine with Mobil Jet Oil 254

**Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the engine is considered ready for release to service.**

Date: June 13, 2008  
 for DE 145.0059  
 Tel: +49 911 9356 0  
 Fax: +49 911 9356 417

Sign: \_\_\_\_\_  
 LBA  
 DEUTSCHLAND

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**TOTAL**



Lufthansa Bombardier Aviation Services GmbH  
Tel. +49 30 88754600 Fax.: +49 30 88754511

Place: **EDDB**  
Date: **29/Aug/2008**  
Name: **Bernd Waldmann**

### CERTIFICATE OF RELEASE TO SERVICE

**Aero-Dienst**

RCA AWO-104F FAACS 5793M  
DE 145 0059

A/C Type: Learjet 40  
A/C TT: 418:42  
APU TT: N/A

S/N: 45-2097  
Ldgs: 360  
APU CYC: N/A

Reg. Mark: OE-GVX  
MO-Nr.: MO19024  
Loc. Nurnberg

Scheduled Maintenance Checks completed under this maintenance order are performed i.a.w. Learjet 40 Maintenance Manual Rev. 13, dated: Aug. 25, 2008 except as otherwise specified:

Scheduled Inspections:

- Engines:
- Performed DEEC download
- Performed 150-250 hour inspection on L/h and R/H engine
- Inspections with special requirements:
- Performed cap.-test and service of emergency battery i.a.w. Energys MM

Certifies that the work specified – except as otherwise specified – was carried out i.a.w. Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: **28.11.08**  
for DE 145 0059  
Tel. + 49 911 93560

**AERO-DIENST NÜRNBERG**  
Fax. + 49 911 9356 406

Sign:   
Message No: **B-7998**  
B1  
Nürnberg

**WITH THE  
CE MAN**

**EPAIRS AND OVERHAULS  
REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER**

**Certificate of Release to Service**

WO-No.: 290157

**Lufthansa Bombarrier  
Aviation Services**

Aircraft		Operator: VistaJet		Airframe		Engine#1		Engine#2		APU	
Manufacturer: Bombardier Aerospace		Lufthansa Hessen GmbH		45-2097		P116948C		P116947C			
Model: LEAR 45		Registration: OE-GVX		Hours 561:34		561:34		561:34		.	
Maintenance performed in: BERLIN, EDDB		FROM 06-Mar-09		Cycles 492		492		492		.	
		TO 23-Mar-09									

**Logbook entry for: Engine#1 SN: P116948C**

- CW ON LH; RH ENGINES: CAMP TASK 057110; 790130; 150 TO 250 HOUR ENGINE INSPECTION; OIL AND FILTER ANALYSIS.
  - CW ON LH; RH ENGINES: CAMP TASK 057130 "500 TO 650 HOUR ENGINE INSPECTION"; CAMP TASK 790120 "REPLACE FUEL FILTER ELEMENT"; CAMP TASK 790150 "INSPECT CHIP DETECTOR"; NOTE: CAMP TASK 793315 N/A BY SB STATUS.
  - CW SB TFE731-73-5136 ON BOTH ENGINES "REPLACE MAIN TURBINE ENGINE FUEL PUMP FUEL FILTER ELEMENT". NOTE: FUEL FILTER P/N CHANGE. P/N OFF 897513-1 ON 897630-1.
  - CW SB TFE731-72-5168 R3 CHECK ON BOTH ENGINES.
- NOTE: SB NOT EFFECTV FOR ENGINE MODEL NUMBER.

Documentation/Approved Date: LEARJET 40 MM REV. 14  
Deferred Item 290157037  
Partent details of work performed are on file under Work Order No.: 290157

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/ aircraft component is considered ready for release to service.

Lufthansa Bombarrier Aviation Services GmbH  
Tel: +49 30 89754600 Fax: +49 30 89754511  
Place: BERLIN, EDDB  
Date: 23/Mar/2009  
Name: René Schönbaldner

Stamp:  

Signature: \_\_\_\_\_

Part-145 Approval Reference DE:145.0315

PX-3107-51

ENGINE    
 MODULE    
 SERIAL NUMBER \_\_\_\_\_

# SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVER   
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAI

DATE	HOURS THIS FLIGHT	CYCLES	ACCUMULATIVE TOTALS	
			HOURS	CYCLES

aircraft component is considered ready for release to service.

**Lufthansa Bombarlier Aviation Services GmbH**  
 Tel. +49 30 88754600 Fax: +49 30 88754611  
 Place: BERLIN, EDDB  
 Date: 23/M/2/2009  
 Name: René Schönfelder

Stamp:   
 Signature:

CERTIFICATE OF RELEASE TO SERVICE

GVR-02-03 ANM

**Aero-Dienst**  
 A/C Type: Learjet 40  
 S/N: 45-2097  
 Reg. Mark: OE-GVX  
 M.O.Nr.: M021856  
 Eng. Type: TTE731-20BR-1B  
 Eqp. S/N: P116948C  
 Post: LH  
 Loc: Nuremberg  
 TSN: 703:22  
 CSN: 597  
 Ldg#: 597  
 TSO: N/A  
 CSO: N/A

Scheduled Maintenance Check completed in a.w. Homecrall L.M.M. Report No. 72-03-06 R9, dated Mar. 15, 2007.  
 Performed 150-250 hour inspection  
 Serviced engine with Mobil Jet Oil 254  
 Performed DEEC download

Certifier that the work specified - except as otherwise specified - was carried out in a.w. Part 145 and in respect to that work the engine is considered ready for release to service.

Date: June 10, 2009  
 for DE 145 0069  
 Tel. +49 911 9356 0  
**AERO-DIENST NÜRNBERG**  
 Fax: +49 911 9356 417

Slip:

ENGINE   
 MODULE   
 SERIAL NUMBER \_\_\_\_\_

**SERVICE RECORD**  
 DESCRIPTION OF INSPECTIONS, REPAIRS AND OVER  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFIC

DATE

CERTIFICATE OF RELEASE TO SERVICE

03

**Aero-Dienst**  
 FACILITY: GCA, Augsburg DE 145 0039  
 A/C Type: Learjet 40  
 A/C IT: 72223  
 Eng. Type: TFE731-20BR-1B  
 TSN: 72223  
 TSO: N/A

S/N: 45-2097  
 L/S: 612  
 Eng. S/N: P116948C  
 CSN: 612  
 CSO: N/A

Reg. Mark: OE-GVX  
 MO. Nr.: M021934  
 Post: U/H  
 Loc: Nurnberg

Unscheduled Maintenance Check completed i.a.w. Homeview L.M.M. Report No. 72-03-06 R9, dated May 15/2007:  
 Performed troubleshooting due to erratic oil pressure indication  
 Changed oil pump, adjusted oil pressure  
 Performed DEEC download

Replacements Items:  
 Oil pump off: 3060785-2 SN 071405701682 on: 3060785-2 SN 021405700248

Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in accordance with the manufacturer's report to that work the engine is considered ready for release to service.

Date: June 19, 2009  
 for DE 145 0039  
 Tel. + 49 911 9356 0  
 AERO-DIENST NÜRNBERG  
 Fax. +49 911 9356 417

Page 1 of 1

*[Signature]*  
 D 4834  
 (Stg. Nürnberg)

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSP  
 CURRENT APPLICABLE MAINTENANCE MANUAL.

ENGINE  **X**  
 MODULE   
 SERIAL NUMBER

# SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

PAGE

ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

## CERTIFICATE OF RELEASE TO SERVICE

Aero-Dienst  
 AC Type: Learjet 40  
 S/N: 43-2097  
 Reg. Mark: OE-GYX  
 AC TT: 701 08  
 Ldg. 570  
 M-ON: M02280  
 Eng. Type: TE731-3008-1B  
 Eng. S/N: P116948C  
 Part L/H  
 TS: 717 08  
 CSO: N/A  
 Ldg. 570  
 CSO: N/A  
 Date: July 19, 2009  
 Performed: 200-940 hour inspection  
 Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the engine is considered ready for release to service.  
 Signature: [Signature]  
 Date: 19 July 2009  
 Aero-Dienst/Innereg.  
 DE: 49 311 335 8  
 DE: 49 311 335 8  
 DE: 49 311 335 8  
 DE: 49 311 335 8

## CERTIFICATE OF RELEASE TO SERVICE

Aero-Dienst  
 AC Type: Learjet 40  
 S/N: 43-2097  
 Reg. Mark: OE-GYX  
 AC TT: 733 19  
 Ldg. 701  
 M-ON: M02280  
 Eng. Type: TE731-3008-1B  
 Eng. S/N: P116948C  
 Part L/H  
 TS: 733 19  
 CSO: N/A  
 Ldg. 701  
 CSO: N/A  
 Date: August 06, 2009  
 Performed: 150-350 hour inspection  
 Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the engine is considered ready for release to service.  
 Signature: [Signature]  
 Date: 06 August 2009  
 Aero-Dienst/Innereg.  
 DE: 49 311 335 8  
 DE: 49 311 335 8  
 DE: 49 311 335 8  
 DE: 49 311 335 8

## Certificate of Release to Service

WO-No.: 290513  
 Aircraft: Bombardier  
 Operator: Valsdal  
 Manufacturer: Aerospace  
 Luftfahrtunternehmen  
 Model: LEAR 45  
 Repair: OE-GYX  
 Maintenance performed in: BERLIN, EDOB  
 Logbook entry for: Engine#1 SN: P116948C  
 \* 150 TO 250 HOUR ENGINE INSPECTION ON BOTH ENGINES. CAMP CODE: 097110  
 \* PERFORMED DOWNLAD ENGINE COMPUTER ON BOTH ENGINES. CAMP CODE: 761330A  
 Document/Approved Date: Leerjet 40 AMM Rev.: 16  
 Delivered their name

Altname	Engine#1	Engine#2	ASU
SN: 43-2097	P116948C	P116947C	
Hours: 96531	96531	96531	
Cycles: 813	813	813	
From: Oct 87898			10 Oct 87898

Lufthansa Bombarrier Aviation Services GmbH  
 Tel.: +49 30 88754600 Fax: +49 30 88754511  
 P/O: BERLIN, EDOB  
 Date: Oct 872099  
 Name: Lars Lemke  
 Signature: [Signature]  
 DE: 49 311 335 8  
 DE: 49 311 335 8  
 DE: 49 311 335 8  
 DE: 49 311 335 8

TOTALS TO DATE

DATE	H	F

PX-3107-51



**CERTIFICATE OF RELEASE TO SERVICE**

**Aero-Dienst**

AC Type: Learjet 45      SN: 45-2097      Reg Mark: OI-GVX  
 AC FT: 112638      Ldg: 143      MO-Nr.: M02587  
 Eng. Type: H1E31-20AR      Eng. SN: P116948C      Part L.H.  
 TSN: 12035      CSN: 943      Lact. Number:  
 TSN: N/A      CSO: N/A

Scheduled Maintenance Check completed L.A. Licht Maintenance Report NO. 71.02.08 rev. 3, dated May 15, 2007.  
 Extended service life certificate

Scheduled intervals:  
 Performed J150-250 hour inspection on engine i.e.w. 116948 (LHM) (CAAMP # 057110 and # 790130)

Inspection with special requirements:  
 Performed ECIM download on engine (CAAMP # 761310A)

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the engine is considered ready for release to service.

Date: February 15, 2010  
 for DE 145/0058      AERO-DIENST NORDRHEIN  
 TEL: +49 911 9135 9

Signature:   
 License No. D-16937  
 (Circular stamp: DE 145/0058)

Page 1 of 1

**Certificate of Release to Service**

**Lufthansa Bombardier Aviation Services**


WO-No.: 101195	Airframe		Engine#1	Engine#2	APU
Manufacturer: Bombardier	Operator: VistaJet	SN	45-2087	P116948C	P116947C
Airspace	LufthansaLH	Hours	1170201	1170201	1170201
Model: LEAR 45	Registration: OE-GVX	Cycles	981	981	981
Maintenance performed in:	BERLIN, EDDB	From	Mar 15/2010	to	Mar 26/2010


**Logbook entry for: Engine#1 SN: P116948C**

- 500 TO 650 HOUR ENGINE INSPECTION: CAMP TASK 097130, 790120, 790150, 793315 ON BOTH ENGINES
  - 1000 TO 1300 HOUR ENGINE INSPECTION: CAMP TASK 097150, 790140 ON BOTH ENGINES
  - SB40-71-04 REV.: BASIC REPLACEMENT OF THE LEFT ENGINE FUEL AND HYDRAULIC TUBING AND INSTALLATION OF TUBING
  - REPLACED LH AND RH ENGINE STARTER DRIVE SHAFT SEAL
  - REPLACED LH-ENG. OIL FILTER BY-PASS VALVE (INDICATOR) PN OFF/IDR: 3090782-2; SN OFF: 030645102155 SN ON: 10-08451-
- Documented/Approved Date: Learjet 40 AMM Rev.: 17  
 Ordered item note

Particular details of work performed are on the under Work Order No.: 101105  
 Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Lufthansa Bombardier Aviation Services GmbH  
 Tel: +49 30 89754600 Fax: +49 30 89754511  
 Place: BERLIN, EDDB  
 Date: Mar 28/2010

Stamp:  Part-145 Approval Preference DE-145/0315


Name: Lars Lemke      Signature: 

**MAINTENANCE STATEMENT**

Aircraft Type: Learjet 40, SN: 45-2097 Registration: OE-GVX  
 Engine 1: 71E31-20AR-1B, PN: 3090204-1 SN: P-116948C, TSN: 138535 CSN: 1137  
 Aircraft total at maintenance completion: 138535 HRS, 7AT 1137 Ldg's, 7AT  
 Location of maintenance completion: LEIB Date: 16 Jul 2010  
 Test Log, Ref: Customer Order GVX-18-10 MCM  
 Work Order No.: 10-08451 (2) Following Maintenance carried out per Operator Maintenance Program OMP--VistaJet-PM5:

Performed:  
 - 651-10 150 HRS Inspection  
 - ECIM Download  
 - S1300Q1/100012 Detailed inspection of LH Engine Nozzle Tubes  
 - A0 2005-11-13, Part G, H, I & J Detailed inspection of cooled Hydraulic Tubes on LH Engine

Type related Documents:  
 LHM (English) Rev 10, dated 16 02 2010  
 For further Details refer to above mentioned W/O

Released by: Ralf Schwaninger      Signed:   
 Part-145 Organization MCM Ltd - Station / Eder      Tel: +49 911 9135 9

ENGIN	MODU	SERIA	D						
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TEST IDENTIFICATION

TFE731-20BR-1B S/N: 116948 Work order number: 152973  
 Test date: 03/21/2011 Test time: 11:24:24  
 RED Version: 6.10 RSN Version: 6.744  
 Reduced date: 03/21/2011 Reduced time: 13:37:49  
 Reason for test: Pre-Purchase Inspection

Time since new: 1.0  
 Build/Run:

Cycles since new: 1  
 EC/DEC SC:

Customer: 45-2097  
 Aircraft model: Lear Model 45  
 Nozzle type: Dee Howard TR5045

Aircraft S/N: 2097  
 Engine location: 1

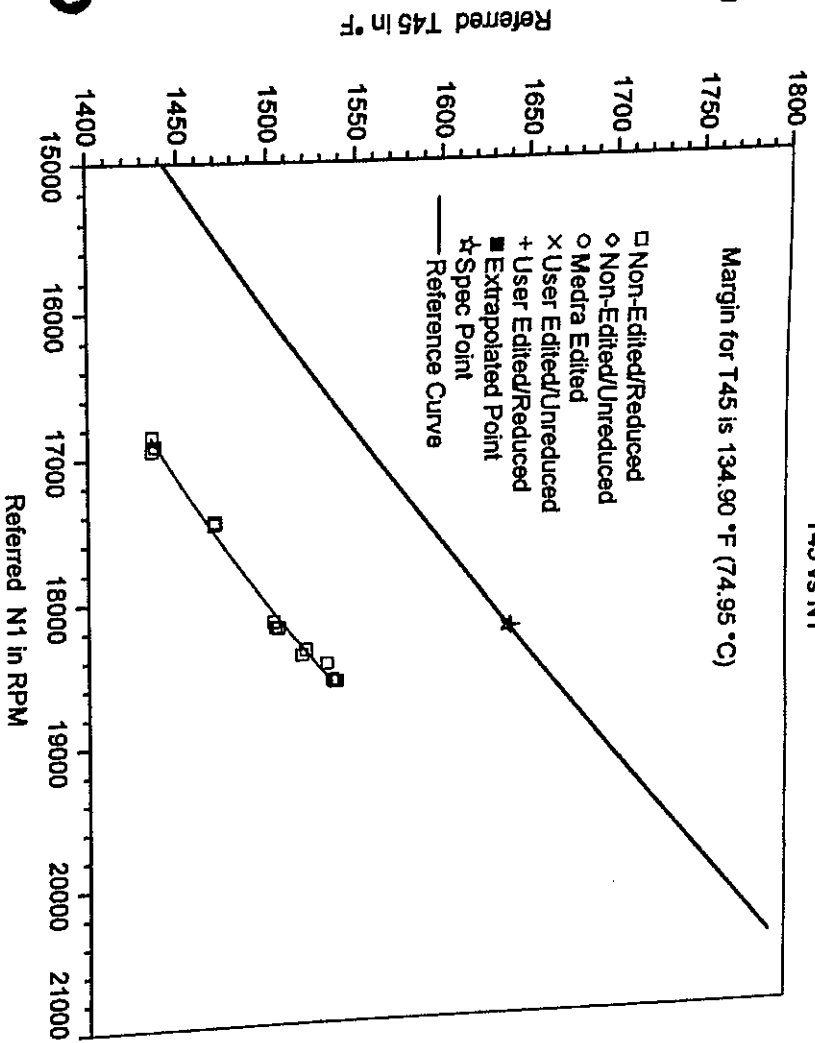
Data recorded by: MARK STROOF/CHAD HASTINGS Data entered by: MARK STROOF/CHAD HASTINGS  
 Comments:  
 NO TIMES OR CYCLES WERE AVAILABLE.

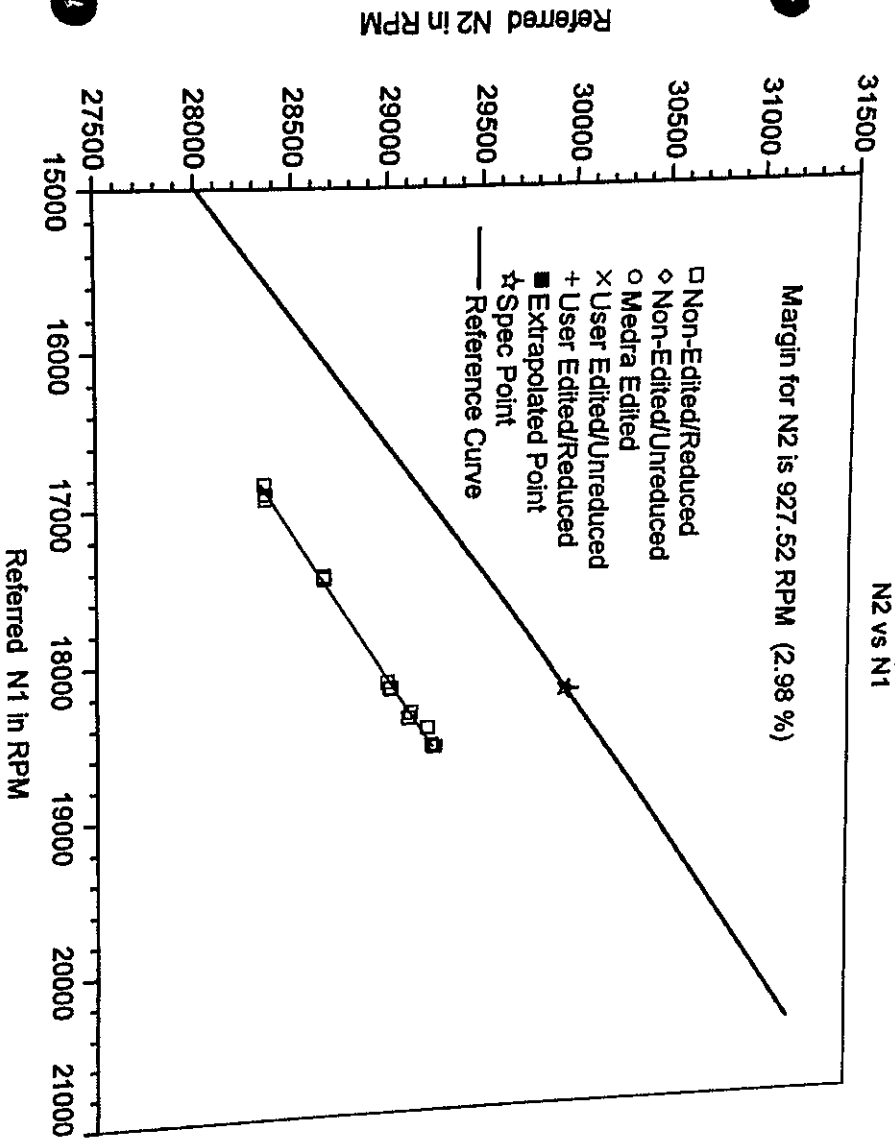
Aircraft Acquired Data

Takeoff Rating Margins at			
TAMB -	°F/°C	104.0 /	40.0
N1 -	RPM/%	19012 /	91
T45 Margin -	°F/°C	135 @	1816 /
N2 Margin -	RPM/%	928 @	31173 /
			75 @
			3.0 @
			100.0

Atmospheric Conditions

Average Ambient T1 = 72.1 °F  
 Average Ambient Pressure = 14.03 psia  
 Average Relative Humidity = 88.00 %  
 N1 Compensation Value = 4 (150 RPM)





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tce

TEST IDENTIFICATION

TE731-20BR-1B S/N: 116948 Work order number: 152973  
 Test date: 03/21/2011 Test time: 11:24:24  
 Reason for test: Pre-Purchase Inspection  
 Time since new: 1.0 Cycles since new: 1  
 Build/Run: EIC/DEEC SG

Customer: 45-2097 Aircraft S/N: 2097  
 Aircraft model: Lear Model 45 Engine location: 1  
 Nozzle type: Dee Howard TR5045

Data recorded by: MARK STROOF/CHAD HASTINGS Data entered by: MARK STROOF/CHAD HASTINGS  
 Comments: NO TIMES OR CYCLES WERE AVAILABLE.  
 Aircraft Acquired Data

TEST DATA POINTS SUMMARY (Measured data - original input units)

	Units	1	2	3	4	5
Time	hh:mm:ss	11:30:50	11:30:54	11:31:00	11:33:23	11:33:28
PBRK	hrs alt	1282.00	1282.00	1282.00	1282.00	1282.00
WF	lb/hr	1602.46	1602.23	1606.49	1549.56	1552.57
TFuel	°C	0.00	0.00	0.00	0.00	0.00
PT30	psig	192.00	192.00	192.00	184.00	184.00
PCD	psig	0.00	0.00	0.00	0.00	0.00
T3.5	°C	0.00	0.00	0.00	0.00	0.00
PS245	psig	52.00	52.00	52.00	50.00	50.00
TR245	°C	0.00	0.00	0.00	0.00	0.00
TI1	°C	21.66	21.43	21.22	21.62	19.79
N1 Cockpit	°C	89.30	89.30	89.30	88.50	88.50
N1 Redundant	°C	88.72	88.76	88.72	87.68	87.90
N2 Cockpit	°C	94.90	94.90	94.90	94.60	94.60
N2 Redundant	°C	94.94	94.94	94.94	94.58	94.58
T45 Cockpit	°C	856.00	856.00	856.00	847.00	847.00
T45 Redundant	°C	855.33	855.24	855.18	846.80	846.60
Units		6	7	8	9	10
Time	hh:mm:ss	11:33:34	11:35:59	11:36:06	11:36:10	11:40:00
PBRK	hrs alt	1282.00	1282.00	1282.00	1282.00	1282.00
WF	lb/hr	1552.34	1505.63	1509.39	1509.17	1364.41
TFuel	°C	0.00	0.00	0.00	0.00	0.00
PT30	psig	184.00	177.00	177.00	177.00	161.00
PCD	psig	0.00	0.00	0.00	0.00	0.00
T3.5	°C	0.00	0.00	0.00	0.00	0.00
PS245	psig	50.00	47.00	47.00	47.00	42.00
TR245	°C	0.00	0.00	0.00	0.00	0.00
TI1	°C	21.88	21.91	21.70	21.46	21.97
N1 Cockpit	°C	88.50	87.40	87.40	87.40	84.10
N1 Redundant	°C	87.89	86.76	86.91	86.90	83.40
N2 Cockpit	°C	94.60	94.20	94.20	94.20	93.10
N2 Redundant	°C	94.58	94.22	94.22	94.21	93.14
T45 Cockpit	°C	847.00	838.00	838.00	838.00	820.00
T45 Redundant	°C	846.51	837.66	837.58	837.55	819.15

TEST IDENTIFICATION

TPE731-20BR-1B S/N: 116948 Work order number: 152973

Test date: 03/21/2011 Test time: 11:24:24

Aircraft Acquired Data

	11	12	13	14	15
Time	11:40:06	11:40:12	11:42:21	11:42:28	11:42:34
PBAR	1282.00	1282.00	1282.00	1282.00	1282.00
Wf	1364.67	1359.83	1244.67	1245.26	1251.13
TSuel	0.00	0.00	0.00	0.00	0.00
TSO	161.00	161.00	146.00	146.00	146.00
PCD	0.00	0.00	0.00	0.00	0.00
TS.5	0.00	0.00	0.00	0.00	0.00
TP245	42.00	42.00	37.00	37.00	37.00
TT1	0.00	0.00	0.00	0.00	0.00
N1 Cockpit	21.90	21.97	22.32	22.27	22.28
N1 Redundant	84.10	84.10	81.70	81.70	81.01
N2 Cockpit	83.47	83.43	80.54	80.86	81.01
N2 Redundant	93.10	93.10	92.20	92.20	92.20
T45 Cockpit	93.14	93.14	92.19	92.20	92.20
T45 Redundant	820.00	820.00	803.00	803.00	803.00
T45 Redundant	818.82	819.50	800.85	801.53	800.63

ENGINE TEST CONSTANTS

Fuel Specific Gravity @ 60°F = -1.000  
 Fuel Lower Heating Value = 14000 Btu/lbm  
 Flat-Rating Ambient Temp = 104.00 °F  
 Flat-Rating N1 = 19012.00 RPM  
 N1 Compensation Value = 4 (150 RPM)  
 Dry Bulb Temp = 70.00 °F  
 Relative Humidity = 88.00 %

TEST IDENTIFICATION

TFE731-208R-1B  
Test date: 03/21/2011

S/N: 116948  
Work order number: 152973  
Test time: 11:24:24

ICE

TE

Aircraft Acquired Data

COCKPIT/REDUNDANT COMPARISON

An asterisk next to the delta indicates the difference between measurements exceeds normal tolerance.

Tolerances: N1 - .25% N2 - .50% T45 - 5.0 °C

	1	2	3	4	5
Units					
N1 Cockpit	89.30	89.30	89.30	88.50	88.50
N1 Redundant	89.43	89.47	89.44	88.40	88.61
N1 Delta	-0.13	-0.17	-0.14	0.10	-0.11
N2 Cockpit	94.90	94.90	94.90	94.60	94.60
N2 Redundant	94.94	94.94	94.94	94.58	94.58
N2 Delta	-0.04	-0.04	-0.04	0.02	0.02
T45 Cockpit	856.00	856.00	856.00	847.00	847.00
T45 Redundant	855.33	855.24	855.18	846.80	846.60
T45 Delta	0.67	0.76	0.82	0.20	0.40
Units					
N1 Cockpit	88.50	87.40	87.40	87.40	84.10
N1 Redundant	88.60	87.47	87.62	87.61	84.11
N1 Delta	-0.10	-0.07	-0.22	-0.21	-0.01
N2 Cockpit	94.60	94.20	94.20	94.20	93.10
N2 Redundant	94.58	94.22	94.22	94.21	93.14
N2 Delta	0.02	-0.02	-0.02	-0.01	-0.04
T45 Cockpit	847.00	838.00	838.00	838.00	820.00
T45 Redundant	846.51	837.66	837.58	837.55	819.15
T45 Delta	0.49	0.34	0.42	0.45	0.85
Units					
N1 Cockpit	84.10	84.10	81.70	81.70	81.70
N1 Redundant	84.19	84.15	81.26	81.57	81.73
N1 Delta	-0.09	-0.05	0.44*	0.13	-0.03
N2 Cockpit	93.10	93.10	92.20	92.20	92.20
N2 Redundant	93.14	93.14	92.19	92.20	92.20
N2 Delta	-0.04	-0.04	0.01	0.00	-0.00
T45 Cockpit	820.00	820.00	803.00	803.00	803.00
T45 Redundant	818.82	819.50	800.85	801.53	800.63
T45 Delta	1.18	0.50	2.15	1.47	2.37

8003  
1047



MEDRA 6.00.15 - Engine Test Entry - Cockpit/Redundant Comparison

Page 2

TEST IDENTIFICATION

TFE731-208R-1B  
Test date: 03/21/2011

S/N: 116948  
Work order number: 152973  
Test time: 11:24:24

COCKPIT/REDUNDANT COMPARISON

(N1 Redundant values compensated by 0.71 percent.)



# BOMBARDIER AEROSPACE

ENG: P116948C POS: L/H CSN: 1404 TSN: 1730:04  
CRS# LK2R981K WICHITA, KANSAS LEARJET INC.

Replaced oil filter from SOAP kit P/N 831044-1.

Replaced engine fuel filter P/N 897830-1 with new.

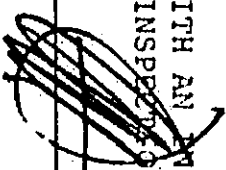
Complied with Carbon Seal Health Check/Gearbox pressure check IAW Honeywell TFE731 LM/M 72-00

Complied with borescope inspection of low pressure compressor, high pressure compressor and high pressure turbine IAW Honeywell LM/M 72-00, no defects noted.

Replaced starter/generator AGB seal P/N 3072784-2 with new.

Replaced oil pump packings 1ea P/N M83248/1-012, 2ea P/N M83248/1-014, 1ea P/N M83248/1-016, 2ea P/N M83248/1-020, 2ea P/N M83248/1-113, and 2ea P/N M83248-1-123 all with new.

Complied with 5 point engine calibration.

I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN INSPECTION PROGRAM REQUIRED BY  
FAR 91.409(f) (3) AND IS APPROVED FOR RETURN TO SERVICE. INSPECTION NO: 150-250/500-650 HR/ SOAP.  
A/C TSN: 1730:04 W/O# 152973  
A/C LDG: 1404 Date: November 22, 2011 SIGNATURE:  D. H. H. H. H. CRS# LK2R981K

**SERVICE RECORD** PAGE \_\_\_\_\_  
**DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS**  
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

*DallasAirmotive*

F.A.A. CRS YRR0491L  
 900 Nolan Dr, Suite 100  
 Grapevine, Texas 76051



CUSTOMER: Bombardier MODEL: TFE731-20 SN: P-116948C DATE: November 19, 2012  
 Engine: TSN: 17728 CSN: 1439 AIRCRN: TSN: 17728 CSN: 1439

Complied with a boroscope inspection of 1<sup>st</sup> stage low pressure compressor as requested by customer. No FOD damage noted at this time.  
 All work accomplished with reference to the TFE 731-20BR-1B LMM Rev-10, Dated Feb 16, 2010, and other data and methods acceptable to the administrator.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certified Repair Station. Sales Order No.: ES29304.

Signed:   
 Justin Cole Reed

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.

PX3107-51 BACK

A-C Registration		SN	Model		Page 1 of 1
N3801S		45-2097	Leauge 40		
Total Time		Landing			Date
1,777 H		1,419			December 11, 2012
Eng Model/Position		Eng SN	Eng SN	Eng SN	
TTE-711-2011F		P160948C	1,777 H	1,419	

ENGINE AND CERTIFICATE NUMBER \_\_\_\_\_

DATE OF WORK REPORTED \_\_\_\_\_

**BOMBARDIER**



EN  
MC  
SE

# BOMBARDIER

PAGE

Aer Registration N480ES	SN: 45-2097	Model: Learjet 40	Page 1 of 1
Total Time 1,777.8	Landings: 1,439	Eng S.N.: P116948C	Date: December 13, 2012
Eng Model/Position: TFE-731-20LLH	Eng TSN: 1,777.8	Eng CSN: 1,439	

NG AND CERTIFICATE NUMBER

1 OF WORK PERFORMED

3 BROUGHT FORWARD

Complied With The Following Maintenance Items:

Cleaned Oil Pressure Regulator and replaced 4 ea packing on Regulator for low oil pressure Indication

Complied with Video Borescope inspection on Engine

The above described maintenance is certified airworthy and a detailed record is on file under work order: 162316

Print name & Signature <i>Kevin P. Haychison</i>	Date: 12/13/2012	FAA CRS KW3R646L
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LEARJET INC. TUCSON SERVICE CENTER, 1255 E. AERO PARK BLVD. TUCSON AZ 85756  
FAA CRS KW3R646L



MAKE HONEYWELL DATE 1/8/2013  
MODEL TFE731-20BR-1B WO# FS29827  
S/N P-116948 TSN 1789.7  
REG NO N/A CSN 1444

T/S low oil pressure.  
Removed oil pump P/N 3060785-2, S/N 021405700248  
Installed a overhauled oil pump P/N 3060785-3, S/N 041405700521  
Removed breather valve P/N 3075323-3,  
Installed a new breather valve P/N 3075323-3  
Removed fuel cooler P/N 160506-4, S/N 3889,  
Installed a overhauled fuel cooler P/N 160506-4, S/N 48-737  
Adjusted oil pressure, serviced engine with mobil 254 as required.  
All operational and leak checks were found satisfactory.  
All work was accomplished with reference to Honeywell LMM 72-03-06 Rev 11, dtd 10/01/12, and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Altimotive, Milencopols, MN FAA Certified Repair Station # 14990491L

Signed *Kevin P. Haychison*

TOTALS TO DATE

121	8005	3	12	6	8
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MAKE HONEYWELL DATE 12/19/2013  
MODEL 731-20BR-1B WO# FSS34295

SN P-116948 TSN 1892.3  
REG NO N480ES CSN 1530

*Defect Automotive*

Complied with a 150-250 hour Routine Periodic Inspection.  
Performed an engine leak check. No Defects Noted at this time.  
Serviced engine oil with Mobil Jet 254.

All work was accomplished with reference to Honeywell TTE731 LMM 72-03-06 Rev. 12  
did 5/31/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current  
regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the  
repair are on file at repair station Dallas Air Motive, St. Paul, MN FAA Certified Repair Station # YRR0491L

Signed

WO# 460116 Date: 6/18/2014  
Reg# N480ES Eng. SN: P-116948C  
Hobbs: 1938.1 ETC: 1559

**ELLIOTT**  
AVIATION  
Left Engine Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Airworthiness Directive

\* Complied with AD 2014-12-52, effective date 6-10-2014, Allied Signal Garrett Turbine Engine Company, by log book research per paragraph (e)(1)(2)(4).

Log research shows no LP72 blades pin 3075424-1-200-3 with less than 250 hours operating time since new. No further action required.

I certify this engine is in aircraft condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's  
maintenance manual. Pertinent details are on file at this agency under WO# 460116.

Signed

David Nelson

for Elliott Aviation of Minneapolis, Inc. KX5R005N

**SERVICE RECORD**  
DESCRIPTION OF II  
ENDORSE ALL INSPECTIONS

DATE  
TYPE OF INSPECTION  
REMARKS

DATE	TYPE OF INSPECTION	REMARKS

CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN  
CURRENT APPLICABLE MAINTENANCE MANUAL.

ENGINE  IX MODULE  SERIAL NUMBER \_\_\_\_\_

**SERVICE RECORD**

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

PAGE \_\_\_\_\_

WOP# 460336 Date: 1/7/2015  
 Reg# N480ES Eng. SN: P-116948C  
 Hobbs: 1976.7 ETC: 1590  
 ETT: 1976.7

**ELLIOTT AVIATION**

Left Engine Log Entry

Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

WORK PERFORMED

FOUGHT FORWARD

*Inspection*

\* Performed Phase A1 through A6, 300 hour checks referencing Learjet 40 maintenance manual 05-11-01 through 05-11-06, and Phase B1 through B6, 600 hour checks referencing Learjet 40 maintenance manual 05-12-01 through 05-12-08

Maintenance Action

\* Performed lightning strike inspection referencing Learjet 40 maintenance manual 05-50-00 due to suspect discharge marks on LH elevator tip. No lightning entry point located. Engine oil SOAP samples sent for evaluation.

I certify this Engine has been inspected in accordance with a Phase A 1-6, and B 1-6 checks per 14 CFR 91.409 (e)(2)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 460336.

Signed *Chad Velta* for Elliott Aviation of Minneapolis, Inc. KXS00025N  
 Chad Velta

MAKE HONEYWELL DATE 08/17/2015

MODEL TFE731-20BR-1B WOP# RPR40139

S/N P-116948 TSN 2067.1

REG NO N480ES CSN 1649

**Dallas Airmotive**  
 BBA America

C/W 150-250 Routine Inspection. Installed a new oil filter P/N 3070945-1. Run up and leak check found satisfactory at this time. All work done in reference with Honeywell LMM 72-03-06 R12 dated 05/31/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airmotive Inc. 330 Bravo Lane, St. Paul, MN FAA Certified Repair Station # YRR0491L.

Signed *W. R. Velta*

TOTALS TO DATE

# OVERHAULS

CERTIFICATE NUMBER

Manual MM105 revision 33 dated

in accordance with 14 CFR 91.409 (e)(f)(3) and the manufacturer's maintenance manuals. Pertinent



MAKE HONEYWELL DATE 10/11/2016

MODEL TFE731-20BR WO# RPR44222

S/N P-116948 TSN 2231.1

REG NO N480ES CSN 1730

C/W S/B TFE731-72-5145 initial FCU to flow meter tube assembly installation inspection.

Note: A recurring 25 hour FCU to flow meter tube assembly installation inspection is required at TSN:

All work performed with reference to Honeywell LMM 72-03-06 revision 12 dated 5/31/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for repair are on file at repair station Dallas Airmotive, St. Paul, MN FAA 2256.1

Signed

Page 1 of 1

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IN ACCORDANCE WITH THE MANUFACTURER'S MAINTENANCE MANUAL.

PX3107-51 BACK





WOK 460875 Date: 1/4/2016  
 Reg# N480ES Eng. SN: P-116948C  
 Hobbs: 2124.3 ETC: 1682  
 ETT: 2124.3



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Left Engine Log Entry

Inspection  
 \* Completed phase A1-A6, phase C1-C6, and phase D1-D5 checks using checklists from Lease/40 maintenance manual MM105 revision 33 dated 12/7/2015

I certify this Engine has been inspected in accordance with Phase A1-A6, Phase C1-C6, and Phase D1-D5 inspections per 14 CFR 91.409 (e)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed Nathan Ballard for Elliott Aviation of Minneapolis, Inc. KXSR005N

MAKE HONEYWELL DATE 9/22/2016  
 MODEL TFE731-20BR-1B W/O# RPR44002  
 S/N P-116948 TSN 2225.6  
 REG NO N480ES CSN 1727



Complied with a 150-250 Hour Routine Periodic Inspection and a 500-850 Hour Routine Periodic Inspection. Operational leak check was found satisfactory. All work performed with reference to Honeywell LMM 72-03-06 revision 12 dated 5/31/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airmotive Inc. 330 Bravo Lane, St. Paul, MN FAA Certified Repair Station # YRR0491L

Signed [Signature]

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S IN CURRENT APPLICABLE MAINTENANCE MANUAL.	

Signed [Signature]

W/O# 461568 Date: 12/16/2016  
 REG# N480ES Eng. SN: P-116948C  
 ETT: 2895 ETC: 1749

**ELIOTT**  
 AVIATION  
 Left Engine Log Entry

Elliott Aviation of Minneapolis Inc  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Service Bulletin  
 \* Complied with Service Bulletin TFE731-73-5145 by visual inspection per section 3, Paragraph B(2). No deficiencies or leaks noted at this time. Next inspection due in 25 engine operating hours.

Complied with Engine as in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under W/O# 461568.

Signed: *Daman Saehusen* for Elliott Aviation of Minneapolis, Inc.  
 CRSR KCSA0005H Page 1 of 1

**SERVICE RECORD**  
 DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CE

ENGINE   
 MODULE   
 SERIAL NUMBER

ACTIVE TOTALS	DATE	DESCRIPTION	BY	RATING	CE
	09/18/2017	Complied with service bulletin TFE731-73-5145 revision 0 by installing a new pin 70060172-1 tube and a new pin 3061288-1 tube. Complied with Learjet service bulletin SB 40-73-01 revision 1 by installing a new pin 4573140001-801 bracket kit. Leak and operational checks complied with. All work performed IRW Honeywell LMM 72-03-06 revision 12 dated May 31, 2013, Learjet SB 40-73-01 revision 1 and SB TFE731-73-5145 revision 0.	<i>Daman Saehusen</i>		
	11/7/17	Complied with service bulletin TFE731-73-5145 revision 0 by installing a new pin 70060172-1 tube and a new pin 3061288-1 tube. Complied with Learjet service bulletin SB 40-73-01 revision 1 by installing a new pin 4573140001-801 bracket kit. Leak and operational checks complied with. All work performed IRW Honeywell LMM 72-03-06 revision 12 dated May 31, 2013, Learjet SB 40-73-01 revision 1 and SB TFE731-73-5145 revision 0.	<i>Daman Saehusen</i>		
<b>TOTALS TO DATE</b>					

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Air Motive, St. Paul, MN FAA Certified Repair Station # YRR0491L.

MAKE Honeywell DATE 09/18/2017  
 MODEL TFE731-20BR-1B W/O# RPR44850  
 SN P-116948 TSN 2345.9  
 REG NO N480ES CSN 1801



C/W 150-250/500-650/500-850/1000-1300 hour routine inspections. R&R fuel filter P/N on and off: 897830-1. R&R oil filter P/N on and off: 3070945-1. R&R oil filter DP valve. P/N off: 3060782-2. SN off: 10-06451-10494. P/N on: 3060782-2. SN on: K15327. C/W oil change and serviced engine with mobil254 oil. Post maintenance run up and leak check found satisfactory. No leaks noted. All work done in reference with Honeywell LMM 72-03-06 R12 dated May 31, 2013 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Air Motive Inc. 330 Bravo Lane, St. Paul, MN FAA Certified Repair Station # YRR0491L.

Signed: *Daman Saehusen*

W/O# 462167 Date: 10/11/2017  
 Reg# N480ES Eng. SN: P-116948C  
 Hobbs: 24459 ETC: 1801  
 ETT: 2431.5 ETC: 1850



Left Engine Log Entry

Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Approved/Issued Directives  
 \* AD 2017-20-01 Honeywell TFE731 fan disks, effective date Nov 2, 2017. AD found to be not applicable by SN of disk currently installed in reference to Honeywell Service Bulletin TFE731-72-5256 Table 9

I certify the Engine has been inspected in accordance with a "A" inspection per 14 CFR 91.409 (f)(3) and is determined to be in an airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Permanent details are on file under the referenced work order.

Signed David Nelson for Elliott Aviation of Minneapolis, Inc.  
 CRSE# KXSR005N

Page 1 of 1

1 2 E 11 | | | | | | | | | | | | | | | | | | | | | |

W/O# 462703 Date: 9/28/2018  
 Reg# N480ES Eng. SN: P-116948C  
 Hobbs: 2431.5 ETC: 1850  
 ETT: 2431.5 ETC: 1850



Left Engine Log Entry

Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

\* Complied with left engine DEEC download using Honeywell Engine Iteration program. No faults found.

I certify this engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Permanent details are on file at this agency under #WOS 462703

Signed David Nelson for Elliott Aviation of Minneapolis, Inc.  
 CRSE# KXSR005N

Page 1 of 1

**SERVICE RECORD**

MAKE	DATE	DESCRIPTION
HONEYWELL	9/28/2018	Downloaded DEEC. Installed a new PN 3070945-1 oil filter element. C/W logbook research. Engine meets the condition found in Temporary Revision No. 5-17 to extend the Major Periodic Inspection (MPI) to a 3500 hour interval and the Core Zone Inspection (CZI) to a 7000 hour interval. Complied with operational and leak checks. All work performed with reference to Honeywell LMM 72-03-06 revision 13 dated January 18, 2018 and other data and methods acceptable to the administrator.
REG NO N480ES	CSN 1890	



The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair are on file at the inspection station Dallas Airmotive, St. Paul, MN FAA Certified Repair Station # YR80491L.

ENGINE MODULE SERIAL N	DATE																			
------------------------	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH CURRENT APPLICABLE REGULATIONS

WO# 463624 Date: 10/10/2019  
Reg# N480ES Eng. SN: P-116948C

ETI: 2666.8 ETC: 1987

Left Engine Log Entry



Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Maintenance Action

\* Performed engine DEEC download using Honeywell e-engine interface program. No faults. Work completed in reference to Honeywell Light maintenance manual TFE 731-20 40/50/60 fault isolation chapter 72-00-00 subtask 72-00-00-810-006-A01.

I certify this Engine the above stated maintenance and/ or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service.

Signed  Jeff Solberg

for Elliott Aviation of Minneapolis, Inc.  
CRS# K3SR005N

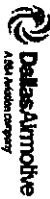
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MAKE HONEYWELL DATE 11-7-2019  
 MODEL TTE731-20BR-1B WOP FSC0465  
 SN P-116948 --TSN 26763  
 REG NO N480E5 CSN 1996



C/W a 150-250 hour routine periodic inspection. Installed a new PN 3070945-1 oil filter element. Complied with operational and leak checks. All work performed with reference to Honeywell LHM 72-03-06 revision 13 dated January 18, 2018 and other data and methods acceptable to the administrator.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Let Linc Aviation's Approved Aircraft Inspection Program and is approved for return to service.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Air Motive, St. Paul, MN FAA Certified Repair Station # YR80491L.

Signed

MAKE HONEYWELL DATE 09/03/2020  
 MODEL TTE731-20BR-1B WOP FSC4851  
 SN P-116948 TSN 28737  
 REG NO N480E5 CSN 2147



C/W a 150-250-500-600-830 hour routine periodic inspections. Installed a new oil filter element PN 3070945-1. Installed a new fuel filter PN 897830-1. Performed a post maintenance run and leak check. All work performed with reference to Honeywell LHM 72-03-06 revision 13 dated January 18, 2018 and other data and methods acceptable to the administrator.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Let Linc Aviation's Approved Aircraft Inspection Program and is approved for return to service.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Air Motive, St. Paul, MN FAA Certified Repair Station # YR80491L.

Signed

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ENGINE

MODULE

SERIAL NUMBER \_\_\_\_\_

**SERVICE RECORD**

**DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS**

ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

PAGE \_\_\_\_\_

DATE



**DUNCAN AVIATION**

Reg. #:	N480ES	Date:	December 01, 2021	Work Order:	FUH6
Make:	HONEYWELL ENGINES	Model:	TFE731-20BR-1B		
#1 Eng S/N:	P-116948C	#1 Eng TSN:	3488.0	#1 Eng CSN:	2640

**Performed the following general maintenance under work order FUH6A:**  
 \* Removed engine S/N P-116948C from the #1 position of Learjet 45 S/N 45-2097 at aircraft TT 3488.0 Landings 2640.

A detailed record is on file under work order FUH6A.  
 Signed: David Bohman Duncan R11 266

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.

PX3107-51 BACK



Reg. #: N480ES  
 Make: HONEYWELL ENGINES  
 #1 Eng SN: P-116948C

Date: December 08, 2021  
 Model: TFE731-20BR-1B  
 #1 Eng TSN: 3488.0

Work Order: FUH6  
 #1 Eng CSN: 2640

**Performed the following inspections in accordance with Honeywell Light Maintenance Manual R13:**

- 150-250 Hour Routine Periodic
  - 500-650 Hour Routine Periodic
  - 500-850 Hour Routine Periodic
  - 1000-1300 Hour Routine Periodic
  - 1500-1650 Hour Routine Periodic
  - 3500 Hour Major Periodic
- Performed the following general maintenance under work order FUH6B:**
- Performed Method I engine preservation IAW Honeywell LMM 72-00-00.

Service Bulletins including weight changes and Airworthiness Directives accomplished are entered in the appropriate section of the logbook.  
 Reference adjacent listing of Major Components Repaired/Replaced.

Prior to return to service engine requires oil change (filter previously replaced), post MPI performance run, gearbox pressure check, vibe survey, overspeed system test, DEEC manual mode transfer test and APR cycle count.

**A S.O.A.P. Sample, chip detector check, and fuel filter replacement will be required after the Initial 25 Hrs. of operation.**

Total engine weight change is minus (-)0.176 pound.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. A detailed record is on file under work order **FUH6B**.

Signed:

*Paul G. McKeon*

Duncan RII 13

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

S/N: P-116948C

December 08, 2021

2005					
12					





Reg. #: #1 Eng SN:

NA80ES HONEYWELL ENGINES P-116948C

Date: Model: #1 Eng TSN:

December 08, 2021 TFE731-20BR-1B 3488.0

Work Order: #1 Eng CSN:

FUH6 2640

**PARTS CHANGE RECORD**

Duncan Aviation  
Lincoln, NE 68501  
Phone: 402-475-2611

Component	P/N Off	S/N Off	P/N On	S/N On	Status
Combustion Liner	3060766-1	08P02579	3060766-1	21-3300-04769	New
1st LPT Blade Retainer (64)	3060649-4	NA	3061828-1	NA	New
2nd LPT Blade Retainer (52)	3060649-5	NA	3061829-1	NA	New
3rd LPT Blade (56)	3060788-1	NA	3061823-2	NA	New
Fuel Nozzle	3060540-2	08-29234-00441	3060540-2	08-29234-03081	Overhauled
Fuel Nozzle	3060540-2	08-29234-00431	3060540-2	022923401540	Overhauled
Fuel Nozzle	3060540-2	08-29234-00442	3060540-2	062923402257	Overhauled
Fuel Nozzle	3060540-2	08-29234-00425	3060540-2	11-163498-01875	Overhauled
Fuel Nozzle	3060540-2	08-29234-00434	3060540-2	052923402680	Overhauled
Fuel Nozzle	3060540-2	08-29234-00443	3060540-2	12-163498-00772	Overhauled
Fuel Nozzle	3060540-2	08-29234-00427	3060540-2	032923400292	Overhauled
Fuel Nozzle	3060540-2	08-29234-00430	3060540-2	12-163498-01389	Overhauled
Fuel Nozzle	3060540-2	08-29234-00429	3060540-2	12-163498-01336	Overhauled
Fuel Nozzle	3060540-2	08-29234-00428	3060540-2	12-163498-01310	Overhauled
Fuel Nozzle	3060540-2	08-29234-00440	3060540-2	08-29234-01146	Overhauled
Fuel Nozzle	3060540-2	08-29234-00439	3060540-2	08-29234-01145	Overhauled
Fuel Filter	897830-1	NA	897830-1	NA	New
Surge Bleed Valve	978812-7-1	13483	978812-7-1	8294	Overhauled

Signed:

*Mark J. McKeon*

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

Duncan R11 137

SN: P-116948C

December 08, 2021

Page 1 of 1

1	2	3	4	5	6	7	8	9	10
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Reg. #: 148063  
 Make: HONEYWELL ENGINES  
 #1 Eng SN: P-118948C

Date: December 08, 2021  
 Model: TFE731-298R-1B  
 #1 Eng SN: 2448 J

Work Order: 2448  
 #1 Eng CSN: 2448

Part: 2448

**SERVICE BULLETIN COMPLIANCE RECORD**  
 Duncan Aviation  
 Lincoln, NE 68501  
 Phone: 402-475-2611

SB Number & Revision	Subject	Weight Change (lbs)	If Recurring, Next Due
TFE731-72-5101 R6	Service Life Limits of Critical Tire Limited Component.	NA	
TFE731-A72-5121	One Time Oil and Filter Resample. Researched, found last SOAP taken after 07 Dec 1997.	NA	
TFE731-72-5126 R2	Inspect/Rework/Install Oil Filter Cover P/N 3072231-2/-3 to P/N 3072231-5. PCW by oil filter cover P/N	NA	
TFE731-72-5141 R2	Inspection/Replacement (As Required) of Threaded Ends Tie Rod P/N 3074741-1. Inspected and found not laser etched	NA	
TFE731-72-5150 R3	Replace the Hoisting Bracket on Fan Duct Set P/N 3072420-13 (Upper Half). NA by engine S/N	NA	
TFE731-72-5166 R1	Replace Specific HPT Tie Shaft Main Round Nuts P/N 3070151-4. Inspected and found suspect A-stamp but has lot number and is serviceable	NA	
TFE731-72-5172 R5	HPT and LPT Blade Hour Tracking and Recommended Blade Replacement Intervals.	NA	HPT
TFE731-72-5173 R1	Replace Specific Helical Ring Gears P/N 3060277-2 and Inspect Associated Parts. NA by engine S/N and no action to replace ring gear	NA	
TFE731-72-5174 R1	Remove Specific Identified HPT Rotor Discs. NA by HPT disc S/N	NA	
TFE731-72-5175	Replace LPT3 Blades P/N 3060690-1 on Specific LPT3 Rotor Assemblies. NA by compliance with SB 72-5208	NA	
TFE731-72-5177	Replace Specific LP 2nd Stage Turbine Blades P/N 3075424-1/-2. NA by LPT2 disc S/N and install date of blades	NA	
TFE731-A72-5185	Inspect/Replace Specific HPT Rotor Discs P/N 3060841-1. NA by HPT disc S/N	NA	
TFE731-72-5204 R1	Incorporate Improved Design LPT1 and LPT2 Rotor Assembly Blade Retainers. Reidentified LPT1 Assy to P/N 3060610-5 and LPT2 Assy to P/N 3060608-5.	NA	
TFE731-72-5208	Rework/Install LPT3 Rotor Assembly Incorporating Improved Design Blades P/N 3061823-2. Reidentified LPT3 Assy to P/N 3060626-8.	(-) 0.176	
TFE731-72-5216 R1	Install Improved Plain Finned Seal P/N 3070052-26.	NA	
TFE731-72-5221 R1	Replace Specific LPT2 Rotor Blades P/N 3075424-2/-3. NA by engine S/N and install date of LPT2 blades	NA	
TFE731-72-5223 R1	Apply Protective Coating to the Aft Flange of the Composite Bypass Duct.	NA	
TFE731-72-AS240	Inspect or Replace 2nd LPT Rotor Assemblies with Suspect Blades. NA by SB 72-AS242 R2 being NA	NA	
TFE731-72-AS242 R2	2nd LPT Rotor Assemblies with Suspect Blades. NA by LPT2 blades SN	NA	

S/N: P-116948C

December 08, 2021

Page 1 of 2

ACCESSORIES

**DIRECTIVE**

LIFE LIMITED PARTS

D 44894  
 HONDA WELLS TFE731-20BMMFP-11642C  
 Description Engine S/N P-115948C Log  
 Reg No NAD05

S/N Number & Revision	Subject	Weight Change (lbs)	If Accounting Item Change
TFE731-20-4394 R1	City Current Inspect and DTI Motor Assemblies with Suspect Block. MA by SN 72-51240 and by MA	NA	
TFE731-20-5031 R1	Accompany 1500 Current Inspection of Suspect DTI2 Blades P/N 3017424. MA by MA/MA/SSA of DTI2 Blades	NA	
TFE731-20-5156 R1	Identify and replace specific Fan Blade P/N 3060287-2 with Suspect Steel Pinned Blade Spec. MA by P/N file 5/11	NA	
TFE731-20-5038	Major Relaying Component to Engine Wiring Harness Attachment Hole and Mold Surface Seal between Type 10 Engine 117 Harness Electrical Connector	NA	
TFE731-20-5107 R1	One time inspection for Fuel Control Compressor Discharge Sealings P/N 3014139-2 and replacement of Metering Valve Assembly. MA by P/N 1/11	NA	
TFE731-20-5118 R1	Replace Specific Fuel Control Assembly Having Suspect Torque Wobble. MA by P/N 5/11	NA	
TFE731-20-5141 R1	Replace Fuel Control Assemblies Having Suspect Torque Wobble. MA by P/N 5/11	NA	
TFE731-20-5115	Replace Main Frame Engine Fuel Control with Suspect Over-speed Governor Assembly. MA by P/N 5/11	NA	
TFE731-20-5132	Replace Main Frame Engine Fuel Pump Fuel Filter Element with Suspect P/N 3017424-2. MA by P/N 5/11	NA	
TFE731-20-5138	Replace Fuel Control Assemblies Having Suspect Over-speed and/or Manual Mode Selected Valve. MA by P/N 5/11	NA	
TFE731-20-5145 R1	Replace Fuel Control Assemblies P/N 3021157-1 and P/N 3021158-1 with Improved Fuel Filter Assembly P/N 3051728-1 and Fuel Filter Assembly P/N 30060172-1. P/N 3021157-1 and P/N 3021158-1 Revisions Implemented due to issue P/N of tubes previously installed.	NA	
TFE731-20-5146 R1	Replace Improved Fuel Control Assembly (FCU) P/N 3015807-2E-30-17-48-79 with Improved Solenoid Assembly Torque Wobble. Revisited P/N 3017080-0-37 (S/N 91189) JAW SN CH1-73-00011 R1	NA	
TFE731-20-5151	Inspect Primary Fuel Line Pressure and Fuel to Sealing Discharge Jet Tube Assembly and Rod Assembly	NA	
TFE731-20-5122 R1	Replace Specific Standard Digital Electronic Engine Control P/N 4113862-10087-2006. MA by P/N 5/11	NA	
TFE731-20-5123	Replace Specific Standard Digital Electronic Engine Control P/N 4113862-10087-20097-20017-9021. MA by P/N 5/11	NA	
TFE731-20-5125	Replace No. 5 Bearing Oil Pump Tube Assembly P/N 3005951-1 or 2 with P/N 3005951-1 or 2 and Add A Check	NA	
TFE731-20-5124 R1	Replace No. 5 Bearing Oil Pump Tube Assembly P/N 3005951-1 or 2 with P/N 3005951-1 or 2 and Add A Check	NA	

Special Note: 9/11/17

For Division Attention Report Number 2017-1147 Please Refer 200-423-4277

Date of RTT 1/17

S/N P-1156  
 December 04, 2021  
 Page 2 of 2

ENGINE  LOGS   
 SERIAL NUMBER

SERVICE BULLETIN COMPLIANCE RECORD

SUBJECT \_\_\_\_\_ DATE OF \_\_\_\_\_

RECURRING  AUTHORIZED \_\_\_\_\_

**AUTHORIZED RELEASE CERTIFICATE**

FAA UNITED STATES  
 FAA FORM 8130-3, AIRBORNE ENGINE APPROVAL TAG  
 Dunsan Aviation, 3701 Aviation Road Lincoln, NE 68524, JOVR194F  
 TURBOFAN ENGINE  
 3060084-1  
 1  
 P-116948C  
 Inspected

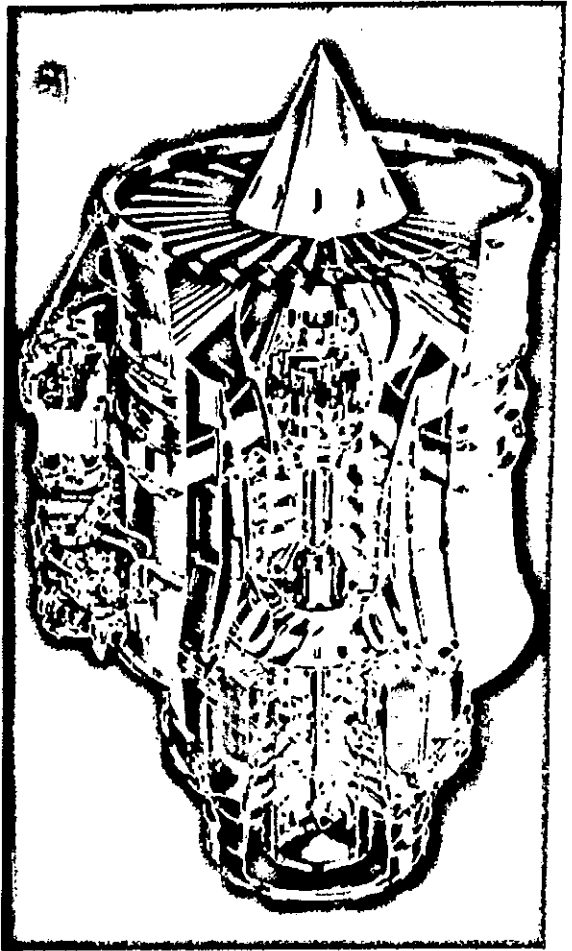
Customer: JET LINA AVIATION LLC (CI)  
 Complied with 3500 hour Major (50-250, 500-850, 1000-1300 and 1500-1650 hour Routine periods in accordance with Honeywell Light Maintenance Manual Report 72-03-06 R13, dated Jan. 18, 2018  
 Performed Method 1 engine presentation AW Honeywell LMA 72-00-00  
 Prior to return to service engine requires oil change, filter previously replaced, post MPI performance run, gearbox pressure check, vibe survey, overspeed system test, DEEC manual mode transfer test and APR cycle count  
 A SOAP Sample, chip detector check, and fuel filter replacement will be required after the initial 25 Hrs. of operation  
 Engine TSN 3458 0, CSN 2640  
 All current U.S. Airworthiness Directives have been met, or, require no action at this time  
 Total engine weight change is minus (-) 20.176 pound

Approval for return to service

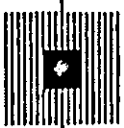
The Engine has been inspected, tested, and approved in conformity with  
 Approval design data and are in a condition for safe operation  
 Non-approved design data specified in Block 12

14. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulations specified in Block 12	Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service	
15. <input checked="" type="checkbox"/> Approved Signature No.	16. Signature	17. Date of Signature
	<i>[Signature]</i>	08 Dec 2021

7.9. (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181) (182) (183) (184) 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# TF731



## ENGINE LOG BOOK

### Honeywell

HONEYWELL International Inc.  
Engines & Systems  
111 S. 24th Street  
Phoenix, AZ 85034-2882

S/N P116947C

P23117-283

JET CARE  
 JET CARE  
 JET CARE

JetCare - DEEC - Fleet Summary.

VISTAJET LUFTFAHRTUNTERNEHMEN GMBH

STERNECKSTRASSE 31

A-5020 SALZBURG

AUSTRIA

Attention ANDREAS SPERBER

e-mail: jetcare@vjet.com  
 jetcare@vjet.com

Contact ANDREAS SPERBER

Contact Phone 43 172 6878 804 CH

Contact FAX 43 662 324 6877 33

Reg	Aircraft	Eng Ser	FRS	First	Last	Age of Data (days)	Status
1	DE-GVK	18494	48	21/05/2008	21/05/2008	43	Normal
	148 2087	11847	30	21/05/2008	21/05/2008	49	Normal
		11847	34	21/05/2008	21/05/2008	49	Normal

Issued under the authority of  
 David Taylor, Program Manager  
 ESM

ENGINE DATA

SERVICE RECORD

with current Federal Aviation regulations and/or the Jet Line Aviation Approved Aircraft Inspection Program and

Permanent Aircraft Record - File in Maintenance Log

Date 12/31/2021





Operator  
Aircraft Reg  
Aircraft Ser  
Engine Position  
Engine Serial No  
Engine Model

VISTAJET LUFTFAHRTUNTERNEHMEN GUMH  
OE-GVX  
L48 2007  
2  
118147  
-10861

Jet-Care - TFE731 (DEEC) Trend Data - Cruise

Ver 2.0

JET CARE  
JET CARE  
JET CARE

Normal

Record No	Date	DEEC Temp	Annule	MaxV LMS	AV Temp	N1	N2	ITT	Fuel Flow	Engine Status
1	21052008	181.60 24	40.189	0.72647	-26.83	97.8	82.3	841	711	OK
2	21052008	184.06 43	26.833	0.8812	-20.46	99.3	84.7	875	1233	OK
3	21052008	187.26 43	27.462	0.88728	-22.06	99.4	84.8	872	1232	OK
4	21052008	201.19 24	39.133	0.78335	-40.34	96.7	81.4	816	797	OK
5	21052008	204.63 36	34.5	0.729	-30.57	98.6	83.4	836	821	OK
6	21052008	208.58 07	41.882	0.73071	-38.88	87.3	81.8	828	809	OK
7	21052008	209.98 37	31.375	0.74807	-19.88	99.4	84.7	878	1082	OK
8	21052008	211.30 18	30.448	0.73481	-24.1	99.4	84.4	872	1127	OK
9	21052008	213.46 43	25.422	0.73825	-21.66	99.4	84.3	879	878	OK
10	21052008	215.46 43	25.444	0.71601	-17.06	99.4	84.3	879	878	OK
11	21052008	217.18 21	33.023	0.76648	-28.13	96.3	84.2	874	1016	OK
12	21052008	222.18 44	27.182	0.86441	-18.81	96.3	84.8	885	1233	OK
13	21052008	223.87 32	44.897	0.77441	-27.01	96.4	84.8	885	810	OK
14	21052008	229.03 40	28.164	0.71889	-21.37	96.4	84.8	875	1163	OK
15	21052008	227.09 48	27.18	0.84844	-18.86	96.4	84.8	882	1229	OK
16	21052008	228.33 428	37.248	0.73444	-24.78	87.8	82.8	840	828	OK
17	21052008	230.00 88	39.418	0.72164	-28.18	87.8	82.4	844	844	OK
18	21052008	232.17 30	42.964	0.73244	-28.61	88.8	81.8	828	828	OK
19	21052008	233.58 10	28.022	0.72844	-18.82	96.4	84.8	886	815	OK
20	21052008	235.63 33	32.628	0.78728	-27.02	91.9	89.8	872	851	OK
21	21052008	240.87 28	28.947	0.71164	-18.71	96.3	84.2	872	1048	OK
22	21052008	240.18 41	28.733	0.78728	-18.71	96.3	84.2	872	851	OK
23	21052008	242.38 82	31.714	0.78391	-28.38	96.4	84.3	871	1038	OK
24	21052008	243.41 42	36.488	0.78789	-28.88	99	83.7	842	802	OK
25	21052008	245.10 12	38.218	0.74184	-24.18	88.1	82.7	847	780	OK
26	21052008	247.82 45	34.186	0.73183	-18.87	99.4	84.9	890	783	OK
27	21052008	248.82 47	33.992	0.77089	-33.3	98.2	82.8	848	850	OK
28	21052008	253.04 18	32.166	0.73288	-28.81	99.3	84.2	848	1054	OK
29	21052008	253.24 50	33.187	0.73978	-28.75	98.8	83.8	840	1028	OK
30	21052008	257.48 24	27.818	0.78318	-12.64	96.3	85.3	889	1285	OK
31	21052008	262.44 41	28.49	0.87344	-13.87	96.4	85.3	885	1242	OK
32	21052008	263.43 41	44.991	0.80151	-28.75	96.4	85.3	885	824	OK
33	21052008	263.38 07	33.444	0.78725	-27.67	96.3	84.8	885	1020	OK
34	21052008	267.25 428	28.316	0.72825	-24.88	96.4	84.5	884	1240	OK

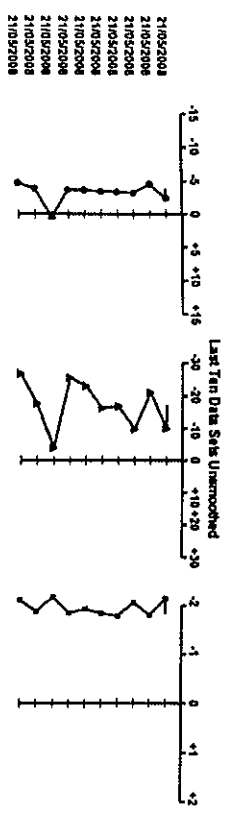
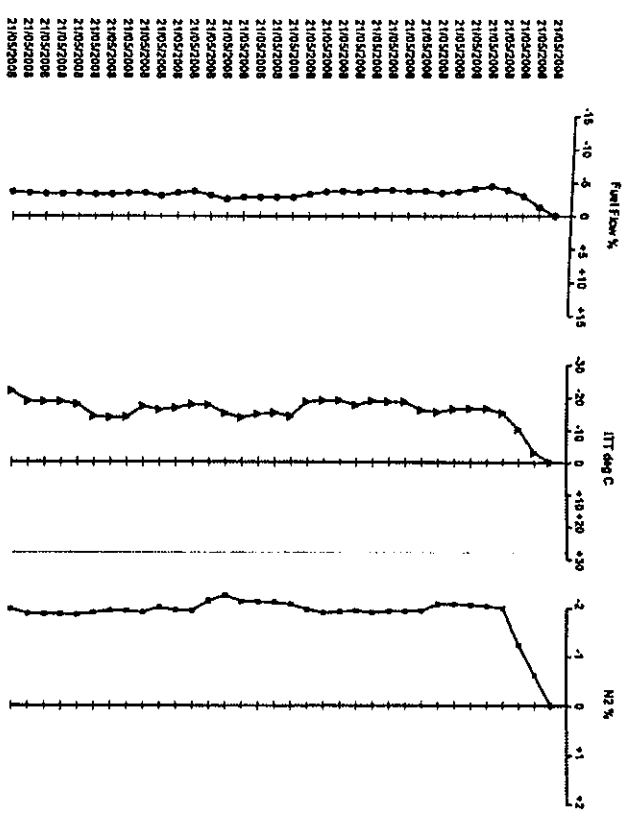
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DEEC Ser No 21052008 11:08  
117-AMV028 814  
Temparing

Operator  
Ancora Reg  
Ancora Ser  
Engine Position  
Engine Serial No  
Engine Model

VISTAET LURFAHRTUNTERNEHMEN GMBH  
OE-GUW  
L46.2087  
2  
11847  
-208K

Normal

Jet-Care - TFE731 (DEEC) Smoothed Trend Plot - Cruise



Operator  
Aircraft Reg  
Airline  
Engine Position  
Engine Serial No  
Engine Model

VISTAJET LUFTHANDEGERMANY GMBH  
OE-GVX  
LAS2097  
2  
118847  
-20BR

Jet-Care - TFE731 (DEEC) Trend Data. - Takeoff

Ver 2.0

TEST MODE  
JET-CARE  
TEST MODE  
TEST MODE

Normal

Record No	Date	DEEC Time	Ambide	Max VAS	Air Temp	N1	N2	ITT	Fuel Flow	Engn Status
11	21052008	211:18:21	0.4485	0.1987	21.888	87.9	83.2	838	1880	OK
12	21052008	213:32:54	0.6585	0.20727	10.765	86.3	81.5	797	1637	OK
13	21052008	215:34:27	0.5395	0.20751	19.261	87.5	82.8	830	1666	OK
14	21052008	217:27:54	0.0285	0.19985	18.664	86.5	82.2	814	1650	OK
15	21052008	219:45:46	-0.229	0.20328	20.833	86.9	82.7	823	1641	OK
16	21052008	221:15:38	1.139	0.20507	14.058	87.6	83.2	816	1658	OK
17	21052008	223:10:18	1.164	0.20832	13.874	87.4	83.2	818	1632	OK
18	21052008	223:32:04	-0.109	0.20117	21.187	87.1	82.8	828	1672	OK
19	21052008	225:28:58	0.3005	0.20328	23.187	87.2	83	833	1643	OK
20	21052008	225:50:27	0.015	0.21142	23.417	87.6	83.1	832	1680	OK
21	21052008	228:14:17	-0.126	0.20849	22.742	87.2	83.1	835	1688	OK
22	21052008	228:52:28	1.328	0.19848	24.648	86	83.4	838	1687	OK
23	21052008	231:48:28	0.1645	0.21715	8.3984	86.6	83.4	798	1647	OK
24	21052008	233:47:28	1.281	0.18184	18.487	86.8	82.6	825	1629	OK
25	21052008	235:36:51	0.272	0.18104	28.123	88.3	83.8	850	1684	OK
26	21052008	237:28:20	1.318	0.21142	18.417	87.9	82.6	822	1659	OK
27	21052008	238:31:52	0.218	0.20182	27.083	88.0	83.8	854	1710	OK
28	21052008	240:08:33	0.2155	0.218	23.178	87.7	83.3	838	1683	OK
29	21052008	242:31:10	-0.0218	0.208	21.887	87.2	82.9	832	1680	OK
30	21052008	243:24:28	1.304	0.20848	18.687	86.2	82.8	828	1685	OK
31	21052008	244:47:24	0.0985	0.20828	22.785	86.8	82.1	812	1653	OK
32	21052008	246:42:14	-0.028	0.20558	22.785	87.8	83.1	834	1676	OK
33	21052008	248:42:22	1.286	0.20874	18.552	88.3	83.8	836	1674	OK
34	21052008	250:18:52	0.1685	0.20874	18.121	87	82.6	828	1641	OK
35	21052008	251:08:28	1.42	0.21216	28.847	88.8	84	858	1705	OK
36	21052008	252:01:24	1.482	0.20888	28.847	88.8	84.2	858	1705	OK
37	21052008	252:01:24	1.482	0.20888	28.847	88.8	84.2	858	1705	OK
38	21052008	253:06:03	0.2128	0.20778	14.513	86.4	81.9	807	1647	OK
39	21052008	254:29:24	1.588	0.208507	24.128	86.8	83.9	840	1705	OK
40	21052008	256:30:35	1.776	0.20864	24.925	88.9	84.1	840	1705	OK
41	21052008	260:11:51	1.628	0.20946	24.008	88.8	83.9	838	1684	OK
42	21052008	261:00:02	1.892	0.20946	24.008	88.8	83.9	838	1700	OK
43	21052008	262:16:31	0.2885	0.20918	22.07	87.7	83.2	838	1683	OK
44	21052008	263:17:51	0.684	0.20856	24.806	88.4	83.5	849	1690	OK
45	21052008	265:28:03	0.18285	0.20783	22.027	87.8	82.8	828	1684	OK
46	21052008	267:13:27	0.6455	0.20781	18.463	87.8	82.8	828	1683	OK
47	21052008	268:06:48	1.518	0.20878	18.087	88	82.6	822	1634	OK
48	21052008	270:03:07	1.846	0.21844	18.868	88.3	82.8	828	1682	OK
49	21052008	271:28:52	0.218	0.20922	21.982	87.8	83.1	831	1686	OK
50	21052008	272:20:00	1.51	0.20971	21.38	89.5	83.4	848	1676	OK

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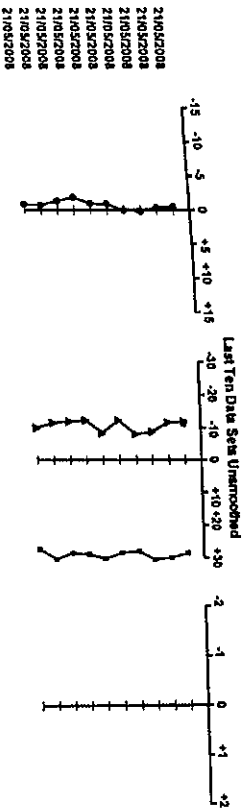
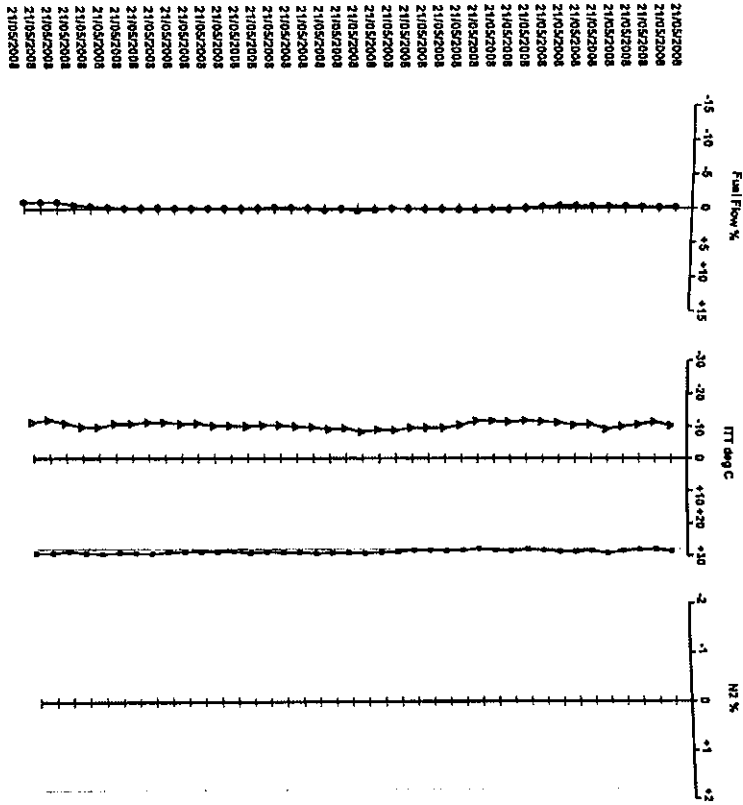
Read Date 21052008

Operator  
 Aircraft Reg  
 Aircraft Ser  
 Engine Position  
 Engine Serial No  
 Engine Model

JetCare - TFE731 (DEEC) Smoothed Trend Plot - Takeoff  
 VISTAJET LUFTFAHRTUNTERNEHMEN GMBH  
 DE-CKX  
 LAS-2097  
 2  
 11847  
 -209K

Normal

Ver 2.0  
 JET-CARE  
 JET-CARE  
 JET-CARE



All Comp On  
 WFE-084731 - Fuel Summory DEEC VISTAJET LUFTFAHRTUNTERNEHMEN GMBH/DG

Sample Rate Smoothing S

Page 10

W/13

# This log Book

Has been prepared to enable the operator of HONEYWELL INTERNATIONAL INC. aircraft engines to maintain the engine records required by the Federal Aviation Administration. Ample space has been provided to record the total time in service on the engine, the inspection performed, and the maintenance accomplished.

PX-3107-20B

ENGINE DATA

*Mark*

**SERVICE REPORTS**

in accordance with current Federal Aviation Regulations under the Jet Link Aviation Approved Aircraft Inspection Program and

Date *12/31/2021*

Permanent Aircraft Record - File in Maintenance Log

**ENROLLMENT FORM - Honeywell TFE731  
JET-CARE ENGINE CONDITION TREND MONITORING PROGRAM**



Please / Tick as applicable. \* Please / Tick Transfer only if transferred from another enrolled operator. \* If you see using this form to update Jet-Care with new / revised or Reporting Information, please also include pilot name or registration and J-C Code whenever known or possible.

ENROLLMENT  TRANSFER  UPDATE

OWNER NAME: CERT Swiss J-C CODE: \_\_\_\_\_  
 OPERATOR NAME: Visirol Luftfahrzeugunternehmen GmbH  
 PRINCIPAL REPORTING CONTACT: \_\_\_\_\_

TITLE OR POSITION: \_\_\_\_\_  
NB This must be the contact for electrical technical reports - both engine and AOG

ADDRESS 1: Strickelstr. 31, A-5020 Salzburg

ADDRESS 2: \_\_\_\_\_  
 ADDRESS 3: \_\_\_\_\_  
 TEL: +49772 6899504 FAX: +43 662 234 667733

E-MAIL: \_\_\_\_\_  
Email is Jet-Care's preferred method of reporting, please ensure that this is clearly visible if you update Jet-Care with changes.

**AIRCRAFT / ENGINE INFORMATION**

AIRCRAFT TYPE: LR40 AIRCRAFT S/N: 45-2097  
 ENGINE TYPE: TFE731-20 DECC  AIRCRAFT REGISTRATION: OE-GUX  
 MANUFACTURER OF THRUST REVERSER IF EQUIPPED: \_\_\_\_\_  
 ENGINE S/Ns: #1 \_\_\_\_\_ #2 \_\_\_\_\_ #3 \_\_\_\_\_ #4 \_\_\_\_\_  
 SERVICE CONTRACT TYPE / NUMBER: \_\_\_\_\_

**Disclaimer:** Owner / Operator acknowledges and agrees that (1) the JET-CARE system is designed merely to perform specifically identified engine condition trend monitoring functions, and is not designed or intended to detect all failure, detect, or performance trends in engines; (2) engine condition trend monitoring systems like JET-CARE are inherently uncertain and dependent upon factors not known or controlled by JET-CARE, such as engine history, past inspections, instrument defects and the timely reporting of accurate and thorough data by operators; and (3) Owner / Operator does not and will not rely exclusively upon the JET-CARE system to detect all engine failure, trends and malfunctions. As a consequence, JET-CARE liability for any particular monitoring service hereunder shall be limited to the service fee payable for such service for said engines for one year. Owner / Operator's sole remedy therefore shall be to recover the amount of such fee or to receive JET-CARE to perform the service in its discretion. In no event shall JET-CARE be liable for any consequential, indirect, special or incidental damages or losses on account thereof.

I, the undersigned, have read, understand and agree to be bound by the above disclaimer and have been authorized to sign on behalf of the Owner / Operator in acceptance of Jet-Care's Terms and Conditions.

OWNER / OPERATOR AUTHORIZED SIGNATORY: SIGN AND PRINT \_\_\_\_\_ DATE: 01 May 2008

OWNER / OPERATOR SHOULD FAX THE COMPLETED AND SIGNED FORM TO:

JET-CARE INTERNATIONAL INC. 3 Saddle Road, Cedar Knolls NJ 07827, USA Tel: +1 973 292 8937 Fax: +1 973 292 3030	JET-CARE Palace Gate, Colham Hampton, RG29 1NP, UK Tel: +44 (0) 1256 701 777 Fax: +44 (0) 1256 701 377
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NB Reports will only be sent after a valid enrollment form has been received by Jet-Care duly signed by Owner / Operator. No reports will be sent until 20 valid data points have been received.

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ENGINE DATA SERVICE RECORD Date 12/31/2001

8710530-01  
 ACC 153 00 : B-41-001910  
 HOMETOWN INTERNATIONAL INC. \*BAT0019327\*  
 ACCEPTANCE TAG



NOTICE: 30-0092-6 SERIAL NO.: 411597 PART: 0208 ALLOCATION  
 MODEL: 1FE731-39AR-1E SERIAL: 1 PHOTOS: NONE INSPECTOR:   
 POSITIONER: 482-LEAFLET INC. SALES CENTER: 404505-093

H.D.C. COMPONENTS		PARTICLE TESTS	
PART NO.	SERIAL NO.	PART NO.	LOT NO.
3060735-3	071309701133	13060155-6	08P932
2118982-1018	117-440426	13060155-2	0722843336
3060709-4	2799	13060155-3	08P910
3210759-1	1426	13060155-4	08P926
3070685-11	17873	13060155-5	08P923
3070680-17	19141	13060666-7	08P917
394476-2	2748	13060694-6	08P725
158465-6	13069	13070440-22	08P925
278812-7-1	13491	13072417-12	08P923
109895-6-1	13000	13074744-1	07P342
120552-3	1283	13075351-12	08P928
140554-5	2574	13075941-2	08P930
150554-5	2518	13060534-4	08P912
3060760-4	070645108238	13060866-3	08P918
3060785-2	071405701766	13060971-1	08P923
3060827-2	5-2028	13060502-2	08P924
3060833-10	08P9234	13060514-1	08P922
		13060599-2	08P927
		13060898-1	08P920
		13060183-2	08P923
		13060756-1	

|| DUNGE ITEMS  
 || 13060756-1  
 ||

DSC-9408 . REV.

Honeywell Engine TE731-20AR-1B  
 Honeywell Part Number 3060082-6  
 ENGINE SERIAL NUMBER P116947

TEST DATE: 02/06/2008

PARAMETER	TEST I	REQUIRED I	VALUE I	TEST II	REQUIRED II	VALUE II	TEST III	REQUIRED III	VALUE III	TEST IV	REQUIRED IV	VALUE IV
SEA-LEVEL												
U.S. STANDARD DAY												
STATIC CONDITIONS												
TAKOFF												
NET THRUST LBS												
MINIMUM			3500.			3500.			3500.			
MAXIMUM			3500.			3500.			3500.			
THRUST SPECIFIC FUEL CONSUMPTION LB/HP-LB												
MINIMUM			0.438			0.428			0.458			0.446
MAXIMUM			0.438			0.428			0.458			0.446
HIGH PRESSURE TURBINE DISCHARGE TEMPERATURE, F/11												
MINIMUM			1462.			1586.			1586.			1586.
MAXIMUM			1462.			1586.			1586.			1586.
ENGINE SPEED, RPM												
MINIMUM			17849.			18420.			18420.			18420.
MAXIMUM			17849.			18420.			18420.			18420.
ACCEPTANCE TEST CONDUCTED WITH AIR-OIL COOLERS INSTALLED.												
NO PERFORMANCE ADJUSTMENTS HAVE BEEN MADE.												
N1 COMPENSATOR PART NO. 3060735-3												
SIGNATURE												
DATE												

*J. Bates*  
 TEST LABORATORY  
 12/2/08

*[Signature]*  
 QUALITY ASSURANCE  
 1/14/08

02/25/07 5.72 02/26/07 19:23:12 02/06/08

ENGINE DATA

Signed *[Signature]*



once with current Federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Report and

Date 12/31/2021

Form 3001 Rev. 4/15/06





DSC-9469 , REV.

Honeywell Engine TFE731-20AR-1B  
Honeywell Part Number 306082-6  
ENGINE SERIAL NUMBER P116947

TEST DATE: 02/06/2008

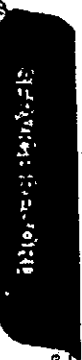
AUTOMATIC PERFORMANCE RESERVE  
PERFORMANCE AT TAKEOFF  
SEA LEVEL STATIC CONDITIONS

		TEST VALUES			
			N2 RPM	N1 RPM	
POWER	ACQUIRED	ACQUIRED	THRUST LBS	THRUST LBS	(MAX VALUE)
SETTLING	DEG. C/F		30,886	18,908	
APR	33.9/93.0	3650	3650.	29943.	18715.
		SIGNATURE		DATE	
		<i>[Signature]</i>		12 FEB 08	
		TEST LABORATORY		1242	
		ACCEPTANCE TEST CONDUCTED WITH AIR-OIL COOLERS INSTALLED; NO PERFORMANCE ADJUSTMENT HAS BEEN MADE.		QUALITY ASSURANCE	
				<i>[Signature]</i> 07/16/08	

02/25/07 6.72 6.72 02/26/07 19:23:12 02/06/08

ENGINE DATA

*[Handwritten notes]*



Inspected in accordance with current Federal Aviation Regulations and/or the JetLins Aviator Approved Aircraft Inspection Program

Date 12/31/2021

# ENGINE DATA

Model No. TEE731-20BR-1B  
TEE731-20AR-1B *Reserve*

Part Number 3060084-1  
3060082-6 *Reserve*

Serial No. P116947C

Net Thrust - Lbs. Takeoff 3650

Maximum Continuous 3500

Specific Fuel Consumption - Lb/Hr. .438

High Pressure Turbine Discharge Temperature

Deg F \_\_\_\_\_

Deg C \_\_\_\_\_

Fuel - See Aircraft Flight Manual

Oil - See Aircraft Flight Manual

TOTAL ENGINE WEIGHT 869 LBS.

PX3107-22A

certify that the above stated maintenance is approved for return to service

Signed *Mark* *[Signature]*

DATE 12/31/2021

Permanent Aircraft Record - File in Maintenance Log

SERVICE RECORD

in accordance with current federal aviation regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program and

TEST DATE: 02/06/2008

PARAMETER	TEST I	REQUIRED I	VALUE I	TEST II	REQUIRED II	VALUE II	TEST III	REQUIRED III	VALUE III
NET THRUST LBS	II	I	3500. I	II	I	3500. I	II	I	3500. I
THRUST SPECIFIC FUEL CONSUMPTION LB/HR-LB	II	I	0.438 I	II	I	0.458 I	II	I	0.446 I
WICH PRESSURE TORBINE	II	I	1462. I	II	I	1596. I	II	I	1596. I
DISCHARGE TEMPERATURE, FII	II	I	17849. I	II	I	18420. I	II	I	18420. I
ENGINE SPEED, NI, RPM	II	I	17849. I	II	I	18420. I	II	I	18420. I
ACCEPTANCE TEST CONDUCTED WITH AIR-OIL COOLERS INSTALLED. NO PERFORMANCE ADJUSTMENTS HAVE BEEN MADE.									
M1 COMPENSATOR PART NO. 3060735-3									
LABORATORY									
SIGNATURE									
DATE									

02/25/07 5.72 6.72 02/26/07 19:23:12 02/06/08

J. Batis 12+2  
 10/6/08  
 FT

Signature  
 DATE

Work performed by Technician:

I certify that the above stated maintenance is approved for return to service

Signed *[Signature]*

in accordance with current Federal Aviation Regulations and/or the Joint Air Aviation Approved Airframe Inspection Program

Date 12/31/2002

DSC-9409 , REV.

Homeywell Engine TE731-20A-1B  
Homeywell Part Number 3060082-6  
ENGINE SERIAL NUMBER P116947

TEST DATE: 02/06/2008

AUTOMATIC PERFORMANCE RESERVE PERFORMANCE AT TAKEOFF SEA LEVEL STATIC CONDITIONS				
TEST VALUES				
POWER	REQUIRED	N2 RPM	N1 RPM	
SETTING	THRUST LBS	(MAX VALUE)	(MAX VALUE)	
TEMP.		30,886	18,908	
DEG. C/F				
APR	33.9/93.0	3650	29943.	18715.
ACCEPTANCE TEST CONDUCTED WITH AIR-OIL COOLERS INSTALLED: NO PERFORMANCE ADJUSTMENT HAS BEEN MADE.		TEST	LABORATORY	DATE
		FT	1242	10 FEB 08
		QUALITY	ASSURANCE	
		Signature: <i>[Signature]</i> 071608		

02/25/07 6.72 6.72 02/26/07 19:23:12 02/06/08

407317

Fill Inspector

I certify that the above stated maintenance and  
is approved for return to service

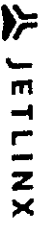
Signed

*[Signature]*

*[Signature]*

with current Federal Aviation Regulations and/or the Jet Linx Aviation Approved Aircraft Inspection Program

Date 12/31/2021



MA

Aircraft

Engine 1

Jet Link Aviation, LLC  
13030 Pierce Street, Suite 100  
Omaha, NE, USA, 68114  
402-315-1026

# TRAXXALL Maintenance Transaction Report

This Maintenance Transaction Report is To Be Sonly For Honeywell TFE731-20BR

Serial No

45-2097

P-116948C

P-116947C

## Aircraft Identification and Status

Aircraft Serial No

45-2097

Aircraft Reg No

N480ES

Date

31-Dec-2021

His

Eng1

His

Eng2

His

Eng

## Component Changes, Inspections, Service Bulletins, Airworthiness Directives, and/or Snags Accomplished

Item Code	Transaction No	Item Name	Position	Installed Vendor Part Number	Mod	Installed Serial Number	Reason for Removal	Installed	TSX Installed Part	Mat. Cost	Man Hours
790011	1	Ins	Replace Fuel Filter Element (25-Hr Initial) ENGI								
790001	2	Ins	Engine Baseline SOAP Sample and chip detector, ENGI								

Compliance note: Replaced right engine fuel filter element PN 897830-1 see 8130 D01152480 dated 8/25/2021 Ref Honeywell LMM Subsk 73-21-02-430-003-A01 Performed leak check, no defects noted

Compliance note: Took oil sample from right engine to send in for SOAP analysis. Inspected chip detector no defects noted. Performed leak check, no defects noted. Ref Honeywell LMM Subsk 79-10-01-420-002-A01

### Legend

Reasons for Removal: D: Damaged E: Expiration F: Failure I: Loaner P: Swap S: Service W: Worn O: Overhaul/Component

Installed Part Status: N: New O: Overhauled R: Repaired I: Inspected L: Loaner U: Upgraded S: Serviceable

Work Order No	N480ES 039 221	Maintenance Log Section	Engine
Inspector	Warick, Mark (A&P)	Full Inspector	
Work Order No	12 29 / 076	Maintenance Log Page	

Date: 12/31/2021

Signature: *Mark Warick*

1. Approving Civil Aviation Authority/Country: **2**

FAA/UNITED STATES

# AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number: 001152480

4. Organization Name and Address: Honeywell International Inc.  
111 S. 34th Street  
Phoenix, Arizona 85034

Boeing Distribution Services  
3760 W. 108 Street  
Miami FL 33018

5. Work Order/Contract/Invoice Number: FX6564 001  
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
001	FILTER ELBERT. RUB	897830-1	145 EA	N/A	NEW


12. Remarks: AIRWORTHINESS APPROVAL  
DIRECT SHIPMENT AUTHORIZATION  
Customer P.O. # 5001836593  
QTY 145 EA. CONTROL NUMBER. 2020MAXVE, MFR LOT# 2189067

13a. Certifies the items identified above were manufactured in conformity to:

- Approved design data and art in a condition for safe operation.
- Non-approved design data specified in Block 12.

14a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12

Certifies that engine/propeller/airframe and described in Block 12, was accomplished in accordance with Part 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: 	13c. Approval/Authorization No.: ODA-602216-NM	14b. Authorized Signature: <del>_____</del>	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Yans Fernandez	13e. Date (dd/mm/yyyy): 25 AUG 2021	14d. Name (Typed or Printed): <del>_____</del>	14e. Date (dd/mm/yyyy): <del>_____</del>

### User/Installer Responsibilities

It is important to understand that the evidence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/airframe. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/airframe(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

**BOMBARDIER**

2884238

JK

CID 890102884238D000 897830-1:99193  
0184882067-000001  
501826593-00001



**KN233**

SEP 20 2021

**KN175**

**VERIFIED  
PTA**



Reg #: N480ES Date: December 18, 2021 Work Order: FUH6  
 Make: HONEYWELL Model: TF731-20BR-1B

#2 Eng S/N: P-116947C #2 Eng TSN: 3488.0 #2 Eng CSN: 2640  
 ENGINES

- Performed the following general maintenance under work order FUH6A:
- Installed engine S/N P-116947C in the #2 position of Learjet 45 S/N 45-2097 at aircraft TT 3488.0 Landings 2640. Inspected by Duncan Aviation CRS JGVR194F under work order FUH6C dated 10 Dec 2021
  - Complied with oil change serviced with Mobil 254 oil.
  - Post MPI 5-point performance run.
  - Post MPI Vibration Survey.
  - Post MPI Gearbox Pressure Checks.
  - Ground run leak check, overspeed shutdown, computer setup, M/M adjustment, and M/M transfer.
  - Complied with engine installation dereservation.
  - ECTM DEEC Download.

A.S.O.A.P. Sample, chip detector check, and fuel filter replacement will be required after the Initial 25 Hrs. of operation.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service. A detailed record is on file under work order FUH6A.

Signed: *[Signature]*

Duncan #11 229

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

S/N: P-116947C

December 18, 2021

Page 1 of 1



Make Honeywell

Date 22 SEP 2021

Model TFE731-208R-1B

WO# FS6601.1

S/N P-116947

TSN 3342.7

Reg No N480ES

CSN 2523



C/W 150-250 hour routine inspections and oil change. Removed oil filter P/N 3070945-1. Installed Oil Filter P/N 3070945-1. Serviced engine with Mobil 254 engine oil. Removed Starter/gen seal Assy P/N 3072784-2 and rotor P/N 3072777-1. Installed a new starter/gen seal Assy P/N 3072784-2 and a new rotor P/N 3072777-1. Performed post maintenance run up and leak check. Run up found good. No leaks noted. All work performed with reference to Honeywell LMM 72-03-06 R13 dated 18 Jan 2018, and other data and methods acceptable to the administrator. I certify the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and Jet Link Aviation's Approved Aircraft Inspection Program and is approved for return to service.

The aircraft, engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airmotive, St. Paul, MN FAA Certified Repair Station # YR804911.

Signed

1. Approving National Aviation Authority/Country:

2

FAA/UNITED STATES

# AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number:

HON08003WN

4. Organization Name and Address:

Honeywell International Inc.  
111 S. 34th St.  
Phoenix, Az. 85072-2181

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

PRODUCTION APPROVAL  
PC413NM

5. Work Order/Contract/Invoice Number:  
404505-003

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	TURBOFAN ENGINE Model: TFE731-20AR	3060082-6	N/A	1	P116947	NEW

13. Remarks:

1. "AIRWORTHINESS APPROVAL ... ENGINE. FOR DOMESTIC SHIPMENTS ONLY."

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in condition for safe operation.
- Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:  
ODARF602216NM

20. Authorized Signature:

21. Approval/Certificate No.:

17. Name (Typed or Printed):  
Wesley Nessmith

18. Date (m/d/y):  
Feb. 8, 2008

22. Name (Typed or Printed):

23. Date (m/d/y):

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly:

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

# Honeywell

HONEYWELL  
 111 S 34th Street, P O BOX 52181  
 PHOENIX, ARIZONA, 85072-2181  
 TELEPHONE (602) 231-1000  
 MFG CODE 99193

SHIPPER NO  
 C-533716  
 INVOICE NUMBER  
 080310

FOR MIKE LOCKHART  
 CUSTOMER  
 A O G

SHIPPED TO BANK FOR  
 BOMBARDIER SERVICE CENTER  
 8220 W HARRY  
 BLDG. 7, DOCK 10  
 WICHITA, KS 67209  
 ATTN: VERNON DREHER, (316) 619-4652

CC	AC	EC	TB	SO
488				

GROSS WEIGHT	0.54	NET 30	TERMS	SALES ORDER NO
DATE SHIPPED	3-10-08	FX864052368884	1 ENVELOPE	N/A
DATE SHIPPED	3-10-08	FX864052368884	1 ENVELOPE	REFER TO LOG #N035

ITEM	PART NO	DESCRIPTION	LINE CODE	UNIT OF MEAS	QTY SHIPD	QTY REC'D	UNIT PRICE	TOTAL PRICE
1	SZ1000-10C	NEW NAMEPLATE FOR P/N 3060084-1, TFET31-20BR, S/N P16947C, P16948C	EA	2				
NOT FOR INVOICING NEW NAMEPLATE FOR UPDATED ENGINE. OLD NAMEPLATES TO BE RETURNED TO HONEYWELL, PHOENIX. APPROVED... DONNA AMELIA, 57-25/503-426								

THESE COMMODITIES LICENSED BY US FOR ULTIMATE DESTINATION \_\_\_\_\_

DISPERSION CONTRARY TO U.S. LAW PROHIBITED

POA OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT TO CONTRACT EXCEPT AS NOTED HEREIN OR SUPPORTING DOCUMENTS

WE HEREBY CERTIFY THAT THE GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT AS AMENDED INCLUDING SECTIONS 7 AND 12 THEREOF AND OF THE REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF

APPROVED BY: *Donna Amelia*  
 DATE: 3/10/08  
 TITLE: \_\_\_\_\_

**SERVICE RECORD**

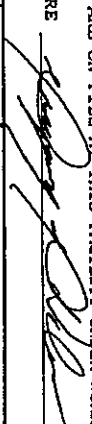
DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

ACCUMULATIVE TOTALS			
HOURS	CYCLES		
	SINCE	SINCE	SINCE
W	O/H	NEW	O/H
TOTALS BROUGHT FORWARD			

**BOMBARDIER** ENG: P116947C POS: R/H CSN: 0 TSN: 0.0  
**AEROSPACE** CRS# LK2R981K WICHITA, KANSAS LEARJET INC.

Complied with Service Bulletin 72-5169 r3 "Convert Engine Model TFE731-20AR-1B to Engine Model TFE731-20BR-1B". Reidentified (etched) engine part number from p/n 3060082-6 to new p/n 3060084-1, and added a "C" suffix following the engine serial number.  
 Complied with trim check, ground FT OK.

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER WORK ORDER NO.: 137656 DATE: Feb 22, 2008

SIGNATURE: 

LEARJET INC. CRS# LK2R981K

**BOMBARDIER** ENG: P116947C POS: R/H CSN: 1 TSN: 1.9  
**AEROSPACE** CRS# LK2R981K WICHITA, KANSAS LEARJET INC.

Replaced Engine data tag p/n S21000-10C with new updated data plate provided by Honeywell and verified by FAA FSDO office ICT due to previous compliance with Service Bulletin 72-5169 r3 "Convert Engine Model TFE731-20AR-1B to Engine Model TFE731-20BR-1B".

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS FACILITY UNDER WORK ORDER NO.: 137656 DATE: MAR 12, 2008

SIGNATURE: 

LEARJET INC. CRS# LK2R981K

4									
4									
4									
TOTALS TO DATE		Total Production Flight Test Time		LEARJET INC. D.A.					

ENGINE  MODULE  SERIAL NUMBER P116947C SERVICE RECORD DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

DATE	DESCRIPTION
APRIL 20, 2008	<p><b>BOMBARDIER LEARJET</b> Right Engine Model TFE731-20BR-1B Serial No. P116947C</p> <p>Complied with 25 Hr. Initial Oil and Filter Analysis and fuel filter replacement per Honeywell Light Maintenance Manual @ 6.8 total engine hours, 4 total engine cycles. . . . . Accomplished: March 31, 2008</p> <p>FAA Airworthiness Directives reviewed thru bi-weekly supplement 2008-48. (No further applicable Engine AD's noted)</p> <p>The engine identified above was inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. A detailed record of the maintenance and inspections accomplished is on file under: Work Order Number: W42097067-01 Engine Hours: 16.2 Engine Cycles: 10</p> <p>Signature: <u>Ronnie R. Aubushon</u> Date: <u>April 20, 2008</u>                      Quality Assurance Dept.                      Learjet Inc., One Learjet Way, Wichita, Kansas 67209 FAA Certificated Repair Station # LEJ1910X</p>

**Aero-Dienst**  
 was over the  
 REPAIRER MANUFACTURER DE 145 0099

**CERTIFICATE OF RELEASE TO SERVICE**

AC Type: Learjet 40 S/N: 45-2097 Reg. Mark: OE-GVX  
 AC TT: 12343 Ldg: 103 MO-Nr.: MO17308  
 Eng. Type: TFE731-20BR-1B Eng. S/N: P116947C Pwr: P4H  
 TSN: 12343 CSN: 103 Loc: Nuremberg  
 TSO: N/A CSO: N/A

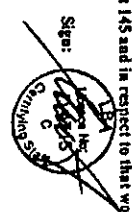
Scheduled Maintenance Check completed L.A.W. Honeywell L.M.M. Report No. 72-03-06 rev. 9, dated May 15, 2007.  
 Performed 150-200 hour inspection (SOAP check)  
 Serviced engine with Mobil Jet Oil 254

Certifies that the work specified - except as otherwise specified - was carried out L.A.W. Part 145 and in respect to that work the engine is considered ready for release to service.

Date: June 13, 2008  
 for DE 145 0059  
 T.EL. + 49 911 9356 0

AERO-DIENST NUREMBERG  
 Fax: +49 911 9356 417

Page 1 of 1



THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.



S.O.A.P

SPECTROMETRY OIL ANALYSIS PROGRAM For Honeywell Engines



Engine Serial: 116947

LEAR JET INC.  
VERNON DREHER  
8220 W HARRY  
USA

WICHITA, KS 67209

REPORT DATE: 4/12/08

CONTACT PHONE:  
FAX NUMBER: 316-946-2246

PAGE 1 OF 1

ENGINE MODEL: TFE731-20AR-1B  
AIRCRAFT TYPE: 45  
AIRCRAFT SERIAL: 2097  
OIL TYPE: UNKNOWN  
MSP #:

CURRENT NORMAL SAMPLE - CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL

LAB DATE: 2008/4/3  
SAMPLE DATE: 3/31/2008  
TSN: 7 TSO: 0  
CYCLES: 7  
OIL HOURS: 0.0  
FILTER HOURS: UNK  
FILTER WEIGHT: 29 MGS  
FLASHPOINT: 0  
RECOMMEND: NORMAL

-- FILTER RESULTS -- ANALYSIS PER WORK INSTRUCTIONS M.L.T.C.M.1440										-- OIL -- ANALYSIS PER WORK INSTRUCTIONS M.L.T.C.M.1430													
ST	ST	CB	ST	AL	ST	MSO	COPR	SILV	MAGN	ALUM	GRIT	MISC	FE	CU	NI	CR	AG	MG	AL	PB	BE	TAN	
TR													0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

OIL AND FILTER ANALYSIS FINDINGS


LAB CODE: K SAMPLE NUMBER: 00002 LEARN

RESPONSIBLE EMPLOYEE: LAB ADVISOR

This Report shall not be reproduced, except in full, without the prior written approval of the Honeywell Laboratory.  
The recording of false, fictitious or fraudulent statements or entries on this Report may be punishable as a felony under United States federal law.

ENGINE  MODULE  SERIAL NUMBER \_\_\_\_\_ SERVICE RECORD DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER PAGE \_\_\_\_\_

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS			
			HOURS SINCE NEW	CYCLES SINCE NEW	HOURS O/H	CYCLES O/H
25. Aug. 2008						


**Certificate of Release to Service**  
 WO-No.: 280271  
 Description of work performed:  Lufthansa Bombardier Aviation Services


**Logbook entry for: Engine#2 SN: P116947C**  
 \* COMPLETED WITH 150 HOUR ENGINE INSPECTION ON BOTH ENGINES  
 \* REPLACED ON BOTH ENGINE FIREWALLS HIGH BLEED DUCT BOOT SEAL P/N OFF/ON 316154  
 Documentation/Approved Data: LEAR 40 AMM REV 11  
 Delivered item note: Permanent details of work performed are on the under Work Order No. 280271

Certifies that the work specified except as otherwise specified was carried out in accordance with Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Aircraft	Manufacturer	Operator	Vertical	SN	Engine#1	Engine#2	APU
Bombardier	Aerospac	Lufthansa	Lufthansa	45-2097	P116948C	P116947C	
Model	LEAR 45	Registration	OE-GVX	Hours	265 51	265 51	
Maintenance performed in	EDDB	Cycles	236	236	236	236	

From: 25-Aug-08 To: 28-Aug-08

**Lufthansa Bombardier Aviation Services GmbH**  
 Tel: +49 30 80754000 Fax: +49 30 80754511  
 Piece: EDDB  
 Date: 28/Aug/2008  
 Name: Bernd Waldmann Signature: 

 Part 145 Approval Reference DE:145.0315

**CERTIFICATE OF RELEASE TO SERVICE**


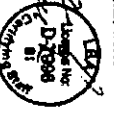
**Aero-Dienst**  
 AC Type: Layer 40 SN: 45-2097  
 AC TR: 418 42 Lgr: 360  
 APU TR: N/A APU CYC: N/A  
 DE 145 1059 Reg. Mark: OE-GVX  
 Mfg. No.: 145-0315 SIO-Str.: M019024  
 Loc. Number: 81

Scheduled Maintenance Checks completed under this maintenance order are performed in accordance with Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Scheduled Inspections:  
 Inspections: Performed DTEC download  
 Inspections with special requirements: Performed 150-hour inspection on L/R and R/H engine  
 Performed cap and service of emergency battery in accordance with EMM

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: 28.08.2008  
 For DE 145 0010  
 Tel: +49 911 93540  
 ARRO-DIENST NURNBERG  
 Fax: +49 911 9354 406

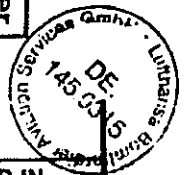
Signature:  

**TOTALS TO DATE**

PX-3107-51







**Lufthansa Bombardier Aviation Services**

**Certificate of Release to Service**

WO-No.: 290157

Aircraft		Operator: VistaJet		SIN		Aliframe	Engine#1	Engine#2	APU
Manufacturer: Bombardier Aerospace		Lufthansa Aviation Services GmbH		45-2097	561:34	561:34	P116948C	P116947C	
Model: LEAR 45		Registration: OE-GVX		Hours	561:34	561:34	561:34	561:34	
Maintenance performed in: BERLIN, EDDB		From: 08-Mar-09		Cycles	482	482	482	482	
		To: 23-Mar-09		*only if required					

**Logbook entry for: Engine#2 SN: P116947C**

- CW/ON LH; RH ENGINES: CAMP TASK 057130; 790130; 150 TO 250 HOUR ENGINE INSPECTION. OIL AND FILTER ANALYSIS.
  - CW/ON LH; RH ENGINES: CAMP TASK 057130 \*500 TO 650 HOUR ENGINE INSPECTION\*.
  - CAMP TASK 730120 \*REPLACE FUEL FILTER ELEMENT\*; CAMP TASK 790150 \*INSPECT CHIP DETECTOR\*. NOTE: CAMP TASK 793315 N/A BY SB STATUS.
  - CW/ SB TFE731-73-5136 ON BOTH ENGINES \*REPLACE MAIN TURBINE ENGINE FUEL PUMP FUEL FILTER ELEMENT\*. NOTE: FUEL FILTER PIN CHANGE. P/N OFF 897513-1 ON 897630-1.
  - CW/ SB TFE731-72-5168 R3 CHECK ON BOTH ENGINES.
- NOTE: SB NOT EFFECTIV FOR ENGINE MODEL NUMBER.

Documentation/Approved Data: LEARJET 40 MM REV. 14  
 Deferred Item 290157037  
 Pertinent details of work performed are on file under Work Order No.: 290157

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Lufthansa Bombardier Aviation Services GmbH  
 Tel: +49 30 88754600 Fax: +49 30 88754511  
 Place: BERLIN, EDDB  
 Date: 23/Mar/2009  
 Name: René Schönfelder

Stamp:

Signature:

**SERVICE RECORD**  
**DESCRIPTION OF INSPECTION**  
 BEFORE ALL INSPECTIONS

**Aero-Dienst**  
 DE 145 0059

**CERTIFICATE OF RELEASE TO SERVICE**

AC Type: Learjet 40  
 AC TT: 566:19  
 S/N: 40-2097  
 Ldgs: 487

Reg. Mark: OE-GVX  
 MO-Nr.: MO21106

**SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN THE MAINTENANCE MANUAL**

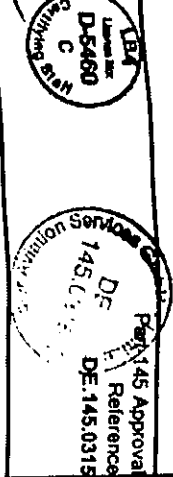
Documentation/Approved Data: LEARJET 40 MM REV. 14 Partent details of work performed are on file under Work Order No.: 290157  
 Deleted Item 290157037

Certifies that the work specified except as otherwise specified was carried out in accordance with Part 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Lufthansa Bombarlier Aviation Services GmbH  
 Tel: +49 30 89754600 Fax: +49 30 89754511  
 Place: BERLIN, EDDB  
 Date: 23/Mrz/2009  
 Name: René Schönfelder

Stamp:

Signature: *[Signature]*



# SERVICE RECORD DESCRIPTION OF WORK

ENDORSE ALL INSPECTIONS

CERTIFICATE OF RELEASE TO SERVICE

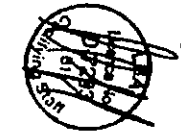
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Aero-Dienst**  
General Maintenance  
 OACA AEO-D/IEF FAA C11733M DE:145.0039  
 AC Type: Learjet 40 SN: 40-2097 Reg. Mark: OE-GVX  
 AC FT: 566:19 Ldgs: 487 MO-Nr.: M021106  
 Eng. Type: TTE731-20BR-1B Eng. S/N: P116947C Pos: R/H  
 TSN: 566:19 CSN: 487 Loc: Paris, LaBourget  
 TSO: N/A CSO: N/A

Unscheduled Maintenance Check completed i.a.w. Honeywell I.M.M. Report No. 72-03-06 R9, dated May 15/2007:  
 Replaced breather valve and oil pump  
 Performed leak check, oil pressure adjustment and AGB, TGB- and FGB pressure checks  
 Serviced engine with Mobil Jet Oil 254

Replacements Items:  
 Oil pump off: 3060785-2 SN 071405701766 on: 3060785-2 SN 061405700136  
 Breather valve off: 3075323-3 SN 072997014691 on: 3075323-3 SN 2453

Certifies that the work specified - except as otherwise specified - was carried out i.a.w. Part 145 and in respect to that work the engine is considered ready for release to service.  
 Date: March 27, 2009  
 for DE.145.0039  
 Tel. + 49 911 9356 0 AERO-DIENST NÜRNBERG  
 Fax +49 911 9356 417  
 Sign: *[Signature]*



ENGINE   
 MODULE   
 SERIAL NUMBER \_\_\_\_\_

DATE

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER CURRENT APPLICABLE MAINTENANCE MANUAL.**

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

Aero-Dienst  
 FAO CYRUS OGA, Aachen  
 DE 150297

A/C Type: Learjet 40  
 A/C TT: 703 32

Eng. Type: TFE731-20BR-1B  
 TSN: 703 32  
 CSO: N/A

Eng. SN: P116947C  
 CSN: 397  
 CSO: N/A

Rep. Mark: OE-GVX  
 MO-Nr.: MO21855  
 Part: R/H  
 Loc: Nuremberg

CERTIFICATE OF RELEASE TO SERVICE

GVX-08-0540W

Certified that the work specified - except as otherwise specified - was carried out in respect to that work the engine is considered ready for release to service.

Date: June 10, 2009

for DE 145 0059

AERO-DIENST NÜRNBERG  
 Fax: +49 911 9356 417

Signature

Aero-Dienst

FAO CYRUS OGA, Aachen  
 DE 1450059

A/C Type: Learjet 40  
 A/C TT: 791 08

Eng. Type: TFE731-20BR-1B  
 TSN: 791 08  
 CSO: N/A

Eng. SN: P116947C  
 CSN: 670  
 CSO: N/A

Rep. Mark: OE-GVX  
 MO-Nr.: MO22280  
 Part: R/H  
 Loc: Nuremberg

CERTIFICATE OF RELEASE TO SERVICE

Unscheduled Maintenance Check completed in accordance with Honerwell L.M.M. Report No. 72-0246 RA, dated May 15, 2007. Performed DEEC download

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the engine is considered ready for release to service.

Date: July 19, 2009

for DE 145 0059  
 Tel: +49 911 9356 0

AERO-DIENST NÜRNBERG  
 Fax: +49 911 9356 417

Signature

Aero-Dienst

FAO CYRUS OGA, Aachen  
 DE 1450059

A/C Type: LEARJET 40  
 A/C TT: 82619

Eng. Type: TFE731-20BR-1B  
 TSN: 82619  
 CSO: N/A

Eng. SN: P116947C  
 CSN: 704  
 CSO: N/A

Rep. Mark: OE-GVX  
 MO-Nr.: MO22394  
 Part: R/H  
 Loc: Nuremberg

CERTIFICATE OF RELEASE TO SERVICE

Scheduled Maintenance Check completed in accordance with Honerwell L.M.M. Report No. 72-0246 RA, dated May 15, 2007. Performed 150,250 hour inspection. Performed DEEC download

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the engine is considered ready for release to service.

Date: August 05, 2009

for DE 145 0059  
 Tel: +49 911 9356 0

AERO-DIENST NÜRNBERG  
 Fax: +49 911 9356 417

Signature

**Certificate of Release to Service**

Lufthansa Bombarrier  
Aviation Services

W/O-No.: 290513

Aircraft	Bombardier	Operator	Vitalair	Airframe	45-2097	Engine#1	P116947C	Engine#2	P116947C	APU
Manufacturer	Aerospace	Location	Lufthansa	SN	1170-01	Hours	965,31	965,31	965,31	
Model	LEAR 45	Registration	OE-GVA	Cycles	813		813	813	813	

Maintenance performed in: BERLIN, EDOB

**Logbook entry for: Engine#2 SN: P116947C**

- 150 TO 350 HOUR ENGINE INSPECTION ON BOTH ENGINES CAMP CODE: 057110
- PERFORMED DOWNLOAD ENGINE COMPUTER ON BOTH ENGINES CAMP CODE: 761230A

Documentation/Approved Data: Learjet 40 AMM Rev.: 16  
 Partent details of work performed are on the under Work Order No.: 290513  
 Defined: Item none

Signature: *[Signature]*  
 Stamp: D-6031 B2  
 DE 145 0315  
 Part 145 Approval Reference DE 145 0315

**REPAIRS AND OVERHAULS**

**CERTIFICATE OF RELEASE TO SERVICE**

Aero-Dienst

AC Type: Learjet 45 SN: 45-2097 Reg. Mark: OE-GVA  
 A/C TT: 112638 Licet: 943 M.O.N.: M025087  
 DE 145 003 Eng. Type: TP731-20AR Part 801  
 TSN: 112638 C/S: 943  
 TSO: IVA

Scheduled Maintenance Check: semi-annual  
 Latest Maintenance Report NO. 76-04-04 Rev. 9, dated May 15, 2005.  
 Report is attached herewith.

Scheduled Inspection:  
 Performed 150-250 hour inspection on engine (CAMP # 057110 and # 790130)

Inspection with special result:  
 Performed ECTM download on engine (CAMP # 761330A)

Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part 145 and in respect to that work the engine is considered ready for release to service.

Date: February 15, 2010  
 Aero-Dienst Norderberg  
 Tel.: +49 411 935 8 Fax: +49 911 935 417

Signature: *[Signature]*  
 Stamp: D-1897  
 DE 145 0315

**Certificate of Release to Service**

Lufthansa Bombarrier  
Aviation Services

W/O-No.: 101105

Aircraft	Bombardier	Operator	Vitalair	Airframe	45-2097	Engine#1	P116947C	Engine#2	P116947C	APU
Manufacturer	Aerospace	Location	Lufthansa	SN	1170-01	Hours	1170-01	1170-01	1170-01	
Model	LEAR 45	Registration	OE-GVA	Cycles	961		961	961	961	

Maintenance performed in: BERLIN, EDOB

**Logbook entry for: Engine#2 SN: P116947C**

- 500 TO 650 HOUR ENGINE INSPECTION: CAMP TASK 057130, 790150, 790150, 790150, 790150 ON BOTH ENGINES
- 1000 TO 1300 HOUR ENGINE INSPECTION: CAMP TASK 057150, 790140 ON BOTH ENGINES
- REPLACED LRI AND RII ENGINE STARTER DRIVE SHAFT SEAL

Documentation/Approved Data: Learjet 40 AMM Rev.: 17  
 Partent details of work performed are on the under Work Order No.: 101105  
 Defined: Item none

Signature: *[Signature]*  
 Stamp: D-6031 B2  
 DE 145 0315  
 Part 145 Approval Reference DE 145 0315


THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE CURRENT APPLICABLE MAINTENANCE MANUAL.

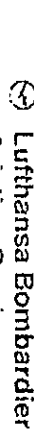
MAINTENANCE STATEMENT

Aircraft Type: Learjet 40, SN: 45-2097 Registration: OE-GVX  
 Engine 2: FE731-20BR-1B, PN: 3080084-1 SN:P:116947C, TSN: 139535 CSN: 1137  
 Aircraft total at maintenance completion: 1,385:35 HRS, 1AT 1137 LDgs, 1AC  
 Location of maintenance completion: LEB Date: 16 Jul 2010  
 Work Log, Ref: Customer Order GVX-18-10 MCM  
 Work Order No.: 10-5089 (3) Following Maintenance carried out per Operator Maintenance  
 Program OMP-VistaJet-LR45:

Performed:  
 - 05-71-10: 150 HRS Inspection  
 - ECTM Download

Type related Documents:  
 LMM (Engine) Rev. 10, dated 16.02.2010  
 For further Details refer to above mentioned W/O

Released by: Ralf Schendera Signed:  
 Part:145 Organisation: M.C.M. Ltd. - Station /  




**Certificate of Release to Service**




**WO-No.: 100346**

Aircraft	Bombardier	Operator	VistaJet
Manufacturer:	Aerospace	Lufthantunlima	German GmbH
Model:	LEAR45	Registration:	OE-GVX
Maintenance performed in:	BERLIN, EODB	From:	Sep 12/210
		TO:	Sep 5/2010

Logbook entry for: **Engine#2 SN: P116947C**

- 150 TO 250 HOUR ENGINE INSPECTION ON BOTH ENGINES CAMP TASK 057110, 790130, 790160
- 500 TO 850 HOUR ENGINE INSPECTION ON BOTH ENGINES CAMP TASK 057140, 710130, 710140, 714010, 715010
- 1500 TO 1650 HOUR ENGINE INSPECTION ON BOTH ENGINES CAMP TASK 057160, 723010, 740140, 740160
- CAMP TASK 761330A, DOWNLOAD ENGINE COMPUTER ECTM ON BOTH ENGINES

Documentation/Approved Data: Learjet 40 AMM Rev. '8  
 Deleted tier note  
 Partent details of work performed are on the under Work Order No.: 100346  
 Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Lufthansa Bombardier Aviation Services GmbH  
 Tel: +49 30 88754600 Fax: +49 30 88754511  
 Place: BERLIN, EODB  
 Date: Sep 5/2010  
 Name: Lars Lemke  
 Signature:  
  
  


ACCU		HOURS																		
SINCE		NEW																		

TOTALS TO DATE

PX-3107-51

TEST IDENTIFICATION

TFE731-20BR-1B S/N: 116947 Work order number: 152973  
 Test date: 03/21/2011 Test time: 10:42:20  
 RED Version: 6.10 PGM Version: 6.74  
 Reduced date: 03/21/2011 Reduced time: 13:27:15  
 Reason for test: Pre-Purchase Inspection  
 Time since new: 1.0 Cycles since new: 1  
 Build/Run: EEC/DEEC SG:

Customer: 45-2097 Aircraft model: Lear Model 45  
 Nozzle type: Dee Howard TR5045

Aircraft S/N: 2097  
 Engine location: 2

Data recorded by: MARK STROOT/CHAD HASTINGS Data entered by: MARK STROOT/CHAD HASTINGS  
 Comments: NO TIMES OR CYCLES WERE AVAILABLE.

Aircraft Acquired Data

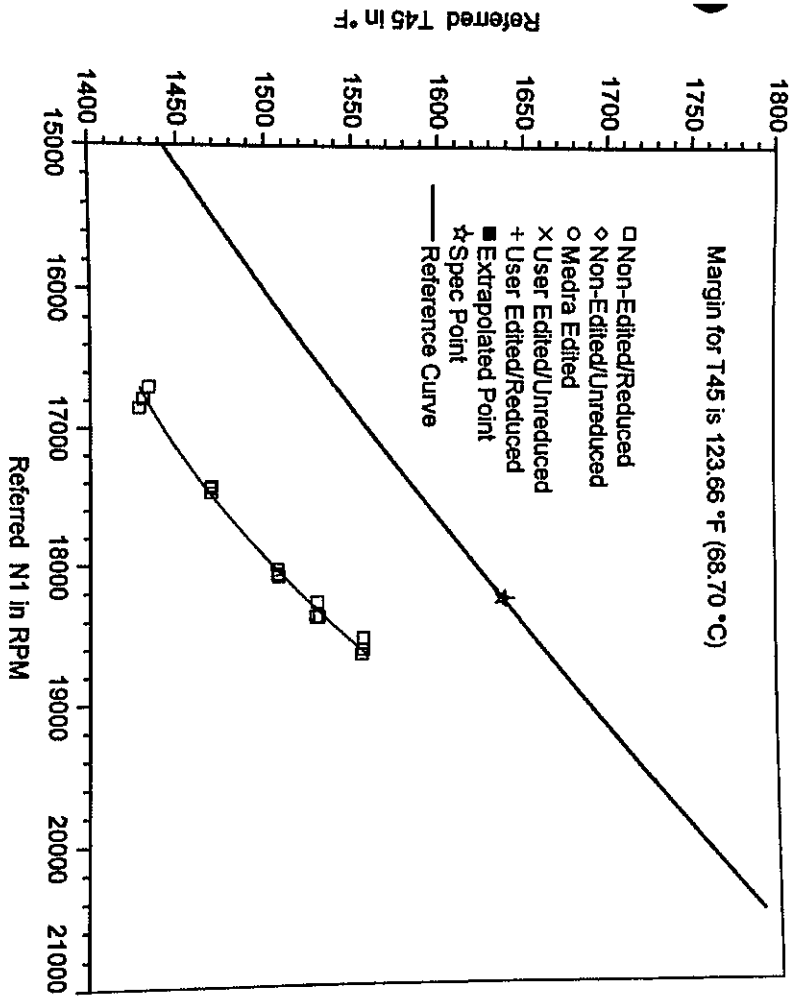
Takeoff Rating Margins at			
	°F/°C		
TAMB -	RPM/ø	104.0 /	40.0
N1 -		19012 /	91
TAS Margin -	°F/°C	124 ø	1816 /
N2 Margin -	RPM/ø	856 ø	31173 /
			69 ø
			2.7 ø
			991
			100.0

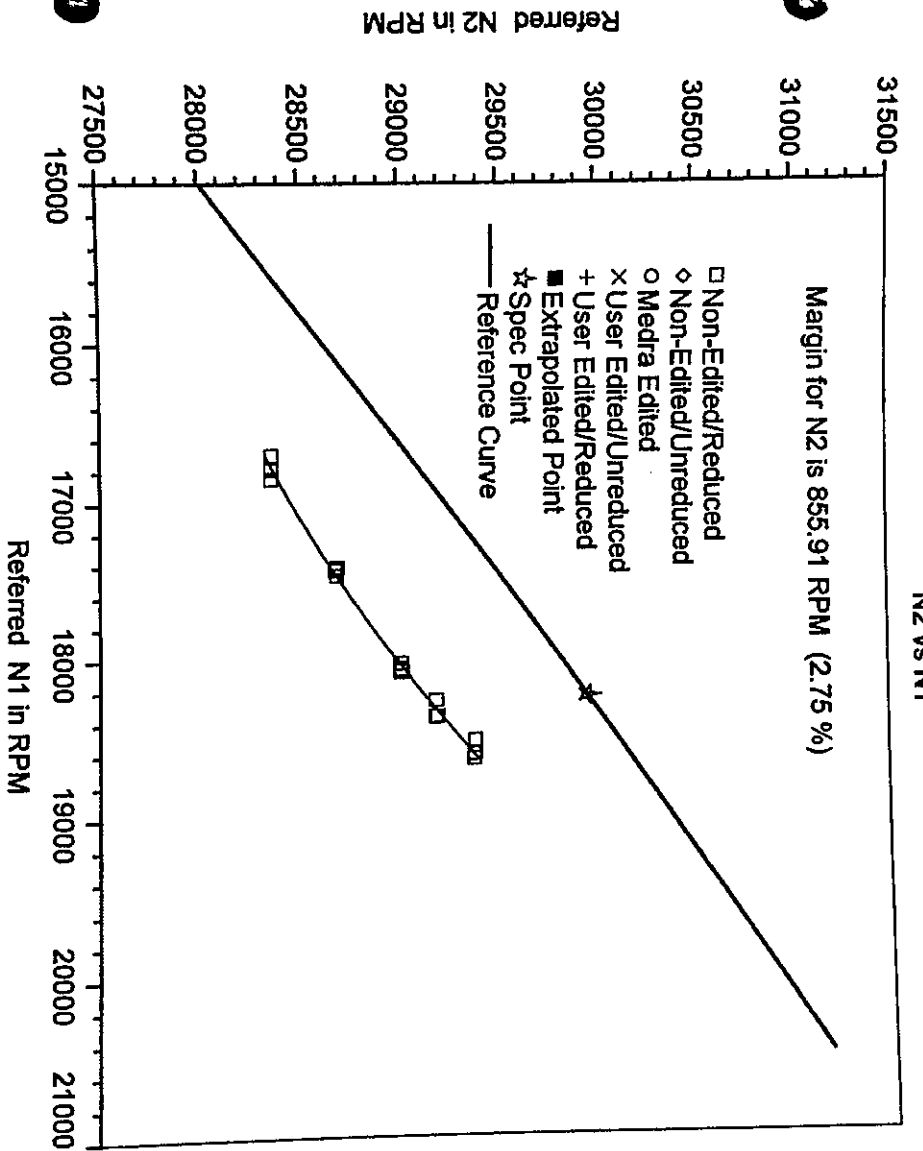
Atmospheric Conditions

Average Ambient T1 = 68.9 °F  
 Average Ambient Pressure = 14.03 psia  
 Average Relative Humidity = 88.00 %  
 N1 Compensation Value = 3 (100 RPM)

TFE731-20BR-1B S/N:116947 Eng. Loc. 2 03/21/2011 10:42:20  
T45 vs N1

Honeywell







TEST IDENTIFICATION

TFE731-20BR-1B S/N: 116947 Work order number: 152973  
 Test date: 03/21/2011 Test time: 10:42:20  
 Reason for test: Pre-Purchase Inspection  
 Time since new: 1.0 Cycles since new: 1  
 Build/Run: EEC/DEEC SG:  
 Customer: 45-2097 Aircraft S/N: 2097  
 Aircraft model: Lear Model 45 Engine location: 2  
 Nozzle type: Dee Howard TR5045

Data recorded by: MARK STROOF/CHAD HASTINGS Data entered by: MARK STROOF/CHAD HASTINGS  
 Comments: NO TIMES OR CYCLES WERE AVAILABLE.  
 Aircraft Acquired Data

TEST DATA POINTS SUMMARY (Measured data - original input units)

Units	1	2	3	4	5
Time	10:51:38	10:51:44	10:51:48	10:54:04	10:54:10
PBAR	1282.00	1282.00	1282.00	1282.00	1282.00
WF	1624.85	1618.15	1611.56	1535.42	1543.29
TFuel	0.00	0.00	0.00	0.00	0.00
PT30	190.00	190.00	190.00	182.00	182.00
PCD	0.00	0.00	0.00	0.00	0.00
T3.5	0.00	0.00	0.00	0.00	0.00
PS245	52.00	52.00	52.00	50.00	50.00
TT245	0.00	0.00	0.00	0.00	0.00
TT1	19.69	19.57	19.52	19.96	19.85
N1 Cockpit	89.20	89.20	89.20	88.00	88.00
N1 Redundant	88.97	88.82	88.39	87.23	87.70
N2 Cockpit	95.00	95.00	95.00	94.50	94.50
N2 Redundant	95.05	95.04	95.05	94.48	94.48
T45 Cockpit	860.00	860.00	860.00	846.00	846.00
T45 Redundant	858.93	859.06	858.86	845.75	845.91

Units	6	7	8	9	10
Time	10:54:16	10:57:04	10:57:10	10:57:16	11:00:30
PBAR	1282.00	1282.00	1282.00	1282.00	1282.00
WF	1547.32	1470.81	1475.65	1475.00	1350.83
TFuel	0.00	0.00	0.00	0.00	0.00
PT30	182.00	174.00	174.00	174.00	158.00
PCD	0.00	0.00	0.00	0.00	0.00
T3.5	0.00	0.00	0.00	0.00	0.00
PS245	50.00	47.00	47.00	47.00	44.00
TT245	0.00	0.00	0.00	0.00	0.00
TT1	20.00	20.52	20.46	20.42	20.51
N1 Cockpit	88.00	86.90	86.90	86.41	83.80
N1 Redundant	87.73	86.34	86.18	86.41	83.33
N2 Cockpit	94.50	94.00	94.00	94.00	92.90
N2 Redundant	94.48	93.99	93.99	93.99	92.95
T45 Cockpit	846.00	836.00	836.00	836.00	814.00
T45 Redundant	845.59	834.90	834.69	834.97	813.12



TEST IDENTIFICATION

TFE731-20BR-1B  
Test date: 03/21/2011

S/N: 116947

Work order number: 152973  
Test time: 10:42:20

Aircraft Acquired Data

	Units	11	12	13	14	15
Time	hh:mm:ss	11:00:36	11:00:42	11:02:54	11:03:00	11:03:06
PBAR	prs alt	1282.00	1282.00	1282.00	1282.00	1282.00
WF	lb/hr	1357.67	1348.23	1230.86	1227.54	1218.36
TFuel1	%	0.00	0.00	0.00	0.00	0.00
PR30	psig	158.00	158.00	144.00	144.00	144.00
PCD	%	0.00	0.00	0.00	0.00	0.00
TF3.5	%	0.00	0.00	0.00	0.00	0.00
PS245	psig	44.00	44.00	37.00	37.00	37.00
TT245	%	0.00	0.00	0.00	0.00	0.00
TT1	%	20.38	20.38	20.54	20.49	20.43
N1 Cockpilt	%	83.80	83.80	80.80	80.80	80.80
N1 Redundant	%	83.48	83.24	80.52	80.22	79.78
N2 Cockpilt	%	92.90	92.90	91.90	91.90	91.90
N2 Redundant	%	92.95	92.95	91.91	91.90	91.90
T45 Cockpilt	%	814.00	814.00	794.00	794.00	794.00
T45 Redundant	%	812.93	813.04	790.46	791.51	793.10

ENGINE TEST CONSTANTS

Fuel Specific Gravity @ 60°F = -1.000  
 Fuel Lower Heating Value = 14000 Btu/lbm  
 Flat-Rating Ambient Temp = 104.00 °F  
 Flat-Rating N1 = 19012.00 RPM  
 N1 Compensation Value = 3 (100 RPM)  
 Dry Bulb Temp = 67.00 °F  
 Relative Humidity = 88.00 %



TEST IDENTIFICATION

TFE731-20BR-1B S/N: 116947 Work order number: 152973  
 Test date: 03/21/2011 Test time: 10:42:20

Aircraft Acquired Data

COCKPIT/REDUNDANT COMPARISON

An asterisk next to the delta indicates the difference between measurements exceeds normal tolerance.

Tolerances: N1 - .25% N2 - .50% T45 - 5.0 °C

	Units	1	2	3	4	5
N1 Cockpit	%	89.20	89.20	89.20	88.00	88.00
N1 Redundant	%	89.44	89.29	88.87	87.71	86.18
N1 Delta	%	-0.24	-0.09	0.33*	0.29*	-0.18
N2 Cockpit	%	95.00	95.00	95.00	94.50	94.50
N2 Redundant	%	95.05	95.04	95.05	94.48	94.48
N2 Delta	%	-0.05	-0.04	-0.05	0.02	0.02
T45 Cockpit	°C	860.00	860.00	860.00	846.00	846.00
T45 Redundant	°C	858.93	859.05	858.86	845.75	845.91
T45 Delta	°C	1.07	0.94	1.14	0.25	0.09
Units						
N1 Cockpit	%	88.00	86.90	86.90	86.90	83.80
N1 Redundant	%	88.20	86.82	86.66	86.89	83.81
N1 Delta	%	-0.20	0.08	0.24	0.01	-0.01
N2 Cockpit	%	94.50	94.00	94.00	94.00	92.90
N2 Redundant	%	94.48	94.00	93.99	93.99	92.95
N2 Delta	%	0.02	0.00	0.01	0.01	-0.05
T45 Cockpit	°C	846.00	836.00	836.00	836.00	814.00
T45 Redundant	°C	845.59	834.90	834.69	834.97	813.12
T45 Delta	°C	0.41	1.10	1.31	1.03	0.88
Units						
N1 Cockpit	%	83.80	83.80	80.80	80.80	80.80
N1 Redundant	%	83.96	83.72	80.99	80.69	80.26
N1 Delta	%	-0.16	0.08	-0.19	0.11	0.54*
N2 Cockpit	%	92.90	92.90	91.90	91.90	91.90
N2 Redundant	%	92.95	92.95	91.91	91.90	91.90
N2 Delta	%	-0.05	-0.05	-0.01	-0.00	-0.00
T45 Cockpit	°C	814.00	814.00	794.00	794.00	794.00
T45 Redundant	°C	812.93	813.04	790.46	791.51	793.10
T45 Delta	°C	1.07	0.96	3.54	2.49	0.90

MDRA 6.00.15 - Engine Test Entry - Cockpit/Redundant Comparison

Page 2

TEST IDENTIFICATION

TEB731-20BR-1B  
Test date: 03/21/2011

S/N: 116947

Work order number: 152973  
Test time: 10:42:20

COCKPIT/REDUNDANT COMPARISON

(N1 Redundant values compensated by 0.48 percent.)

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# Honeywell

## TFE731 GEARBOX PRESSURE CHECK

OPERATOR: VISTAJET LUFTFAHRTUNTERNEHMEN GMBH A/C MODEL: LEARJET 45 SN: 45-2097

FACILITY: BASC KICT TECHNICIAN: MARK STROOT/CHAD HASTINGS PHONE: 316-946-2006

DATE: MARCH 21 2009 ENGINE MODEL: 731-20-BR-1B ENGINE S/N: P116947 POSITION: #2 R/H

PRE SB TFE731-72-5147 YES  NO

ENGINE TSN: \_\_\_\_\_ ENGINE CSN: \_\_\_\_\_ NO. 4/5 CARBON SEAL HOURS: \_\_\_\_\_

FAX TO: HONEYWELL CUSTOMER SUPPORT @ 602-231-3949 OR 602-231-7019

ENGINE	Accessory Gearbox	Transfer Gearbox	Fan Gearbox
Pre-Run Static Pressure (Engine Off)	<u>0.0</u> (in./H <sub>2</sub> O)	<u>0.0</u> PSIG.	<u>0.0</u> PSIG.
Take-off (Steady State)	<u>14.0</u> (in./H <sub>2</sub> O)	<u>0.4</u> PSIG.	<u>-18.5</u> IN HG.
Ground Idle	<u>9.0</u> (in./H <sub>2</sub> O)	<u>-4.7</u> IN HG.	<u>-20.6</u> IN HG.
Post-Run Static Pressure (Engine Off)	<u>0.0</u> (in./H <sub>2</sub> O)	<u>0.0</u> PSIG.	<u>0.0</u> PSIG.

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

# AUTHORIZED RELEASE CERTIFICATE

Page 1 of 1

1. Organization Name and Address

Honeywell International Inc.  
111 S. 34th Street  
Phoenix, Arizona 85072

B/E AEROSPACE CONSUMABLES MANAGEMENT  
10000 NW 15 TERRACE  
MIAMI, FL 33172

5. Work Order/contract Invoice Number  
SMHR39 001

PRODUCTION APPROVAL

PCAT12M

Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/ Batch Number:	12. Status/Work:
001	PLATE ELEMENT	3070945-1	N/A	1000 EA	Lot# 2013G04677 Mfg# DM12843605 Expires UNLIMITED	NEW

13. Remarks:  
AIRWORTHINESS APPROVAL  
DIRECT SHIPMENT AUTHORIZATION  
Customer P.O. # 130723001

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43, and in respect to that work, the items are approved for return to service

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
<i>Carlene Vogt</i>	ODA-602216-NM		
17. Name (Typed or Printed):	18. Date (m d y):	22. Name (Typed or Printed):	23. Date (m d y):
Carlene Vogt	JUL 31 2013		

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts part/component/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, airframe maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01)

For additional information, visit [www.faa.gov](http://www.faa.gov).

FAA Form 8130-3 (6-01)

1 Approving National Aviation Authority County  
**FAA/UNITED STATES**

2  
**AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3 Organization Name and Address:  
**HONEYWELL INTERNATIONAL - ENGINES & SYSTEMS (PCL3M)**  
**111 S. 34th St. PHOENIX, AZ 85072-2181**

C/O KAPCO  
 3120 E. Enterprise  
 Brea, CA 92821

3 Form Tracking Number  
 967811

5 Item:	7 Description:	8 Part Number:	9 Eligible:	10 Quantity:	11 Serial/Part Number:	12 Status/Work:
1	PACKING	S9413-036	N/A	1200	N/A	NEW

13 Remarks: "DIRECT-SHIPMENT AUTHORIZATION"  
 AIRWORTHINESS APPROVAL

14 Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 13.

19  14 CFR 43.9 Return to Service  Other regulation specified in Block 13  
 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the issuance approved for return to service.

15 Authorized Signature <i>Daryl Germaine</i>	16 Approval/Authorization No. 00A-692216-AP	20 Authorized Signature	21 Approval Certificate No.
--	--	-------------------------	-----------------------------

17 Name (Typed or Printed) DARYL GERMAINE	18 Date (Month/Day/Year) Apr. 05 2013	22 Name (Typed or Printed)	23 Date (Month/Day/Year)
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**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations to an airworthiness authority different than the authority specified in Block 14 it is essential that the user/installer ensures that a user airworthiness certificate is issued by the appropriate authority of the country specified in Block 1.

10	11	12	13	14	15	16	17	18	19	20	21	22	23
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ENGINE  **MODULE**  **SERVICE RECORD**  
 DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
			HOURS	CYCLES	SINCE NEW	SINCE O/H	
							TOTALS BROUGHT FORWARD
							TOTALS TO DATE

**BOMBARDIER AEROSPACE** ENG: P116947C POS: R/H CSN: 1404 TSN: 1730:04  
 CRS# LK2R961K WICHITA, KANSAS LEARJET INC.

Replaced oil filter from SOAP kit P/N 831044-1.  
 Replaced engine fuel filter P/N 897830-1 with new.  
 Complied with Carbon Seal Health Check/Gearbox pressure check IAW Honeywell TFE731 LM/M 72-00.  
 Complied with borecope inspection of low pressure compressor, high pressure compressor and high pressure turbine IAW Honeywell LMM 72-00, no defects noted.  
 Replaced starter/generator AGB seal P/N 3072784-2 with new.  
 Replaced motive flow filter inlet screen P/N 765310 with new.  
 Replaced N1 monopole O-rings 2ea P/N M83248-1-013, 2ea P/N M83248-1-011, 1ea P/N M83248-1-012, and gasket P/N 3060642-1, all with new.  
 Replaced #6 bearing oil scavenge tube assembly P/N 3060909-2 with new.  
 Complied with 5 point engine calibration.

I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH THE INSPECTION PROGRAM REQUIRED BY FAR 91.409(f)(13) AND IS APPROVED FOR RETURN TO SERVICE. INSPECTIONS: 150-250/500-650 HR/ SOAP.  
 A/C TSN: 1730:04 W/O # 152973.  
 A/C Ldg: 1404 Date: November 22, 2011 SIGNATURE: *[Signature]* CRS# LK2R961K

MAKE HONEYWELL DATE 12/19/2013  
 MODEL 731-20BR-1B W/O# FSS34294  
 S/N P-116947 TSN 18923  
 REG NO N480ES CSN 1530

*Out of sequence.*

Complied with a 150-250 hour Routine Periodic Inspection.  
 Performed an engine leak check, No Defects Noted at this time.  
 Serviced engine oil with Mobil Jet 254.

All work was accomplished with reference to Honeywell TFE731 LMM 72-03-06 Rev. 12 dtd 5/31/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airmobile, St. Paul, MN FAA Certified Repair Station # YRR00491L

Signed *[Signature]*

TOTALS TO DATE



**SERVICE RECORD**  
**DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS**  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

PAGE \_\_\_\_\_

*Dallas Airotive*

F.A.A. CRS YRR8491L  
 900 Nolan Dr, Suite 100  
 Grapevine, Texas 76051



CUSTOMER: Bombardier    MODEL: TFE731-20    SN: P-116947C    DATE: November 19, 2012  
 Engine: TSN: 17778    CSN: 1439    Aircraft: TSN: 17778    CSN: 1439

Complied with a boroscope inspection of 1<sup>st</sup> stage low pressure compressor as requested by customer. No FOD damage noted at this time.  
 All work accomplished with reference to the TFE 731-20BR-1B LMM Rev-10, Dated Feb 16, 2010, and other data and methods acceptable to the administrator.

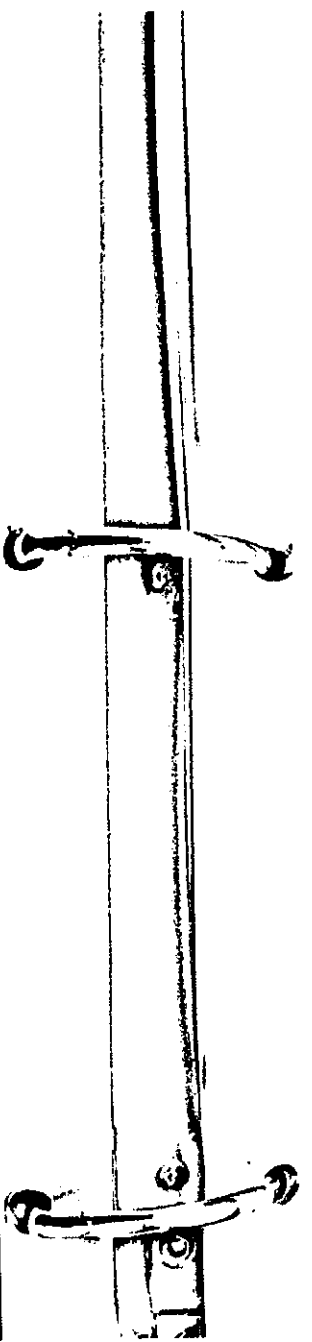
This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certificated Repair Station, Sales Order No.: ES29305.

Signed:   
 Justin Cole Reed



THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.

PX3107-51 BACK



**ARDIER**

ASO Registration N45015	S/N 45-2197	Model 1 cuplet 40	Page 1 of 1
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PAGE \_\_\_\_\_



ENGINE MODULE  **BOMBARDIER**  
SERIAL NUM

Actl Registration N480ES	SN: 45-2097	Model: Learjet 40	Page 1 of 1
Total Time 1,777.8	Landings 1,439	Date December 13, 2012	
Eng Model/Posion: TTE-731-20/RH	Eng S.N.: P116947C	Eng TSN: 1,777.8	Eng CSN: 1,439

PAGE

CERTIFICATE NUMBER

< PERFORMED

FORWARD

Complied With The Following Maintenance Items:  
Complied with Video Borescope inspection on Engine

The above described maintenance is certified airworthy and a detailed record is on file under work order: 162316

Print name & Signature: Kevin P. Hutchinson Date: 12/13/2012 FAA CRS K/W3R646L  
LEARJET INC. TUCCSON SERVICE CENTER, 1235 E. AERO PARK BLVD, TUCCSON AZ 85756  
FAA CRS K/W3R646L

W/O# 460116 Date: 6/18/2014  
Reg# N480ES Eng. SN: P-116947C  
Hobbs: 1938.1 ETC: 1559

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Right Engine Log Entry

**Airworthiness Directive**  
\* Complied with AD 2014-12-52, effective date 6-18-2014, Allied Signal/Garrett Turbine Engine Company, by log book research, per paragraph (e)(1)(2)(4)  
Log research shows no LPT2 blades pin 3075424-1-26-3 with less than 250 hours operating time since new. No further action required.

I certify this Engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under W/O# 460116.

Signed: David Nelson for Elliott Aviation of Minneapolis, Inc. KXSR005N

W/O# 460336 Date: 1/7/2015  
Reg# N480ES Eng. SN: P-116947C  
Hobbs: 1976.7 ETC: 1590

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

Right Engine Log Entry

**Inspection**  
\* Performed Phase A1 through A6, 300 hour checks referencing Learjet 40 maintenance manual 05-11-01 through 05-11-06, and Phase B1 through B6, 600 hour checks referencing Learjet 40 maintenance manual 05-12-01 through 05-12-06.  
**Maintenance Action**  
\* Performed lightning strike inspection referencing Learjet 40 maintenance manual 05-50-00 due to suspect discharge marks on LH elevator tip. No lightning entry point located. Engine oil SOAP samples sent for evaluation.

I certify this Engine has been inspected in accordance with a Phase A-1-6, and B-1-6 checks per 14 CFR 91.409 (e)(1)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order: 460336.

Signed: Chad Veitia for Elliott Aviation of Minneapolis, Inc. KXSR005N

STO DATE

13	12	
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MAKE HONEYWELL DATE 08/17/2015  
 MODEL TFE731-20BR-1B WOH# RPR40141  
 S/N P-116947 TSN 2067.1  
 REG NO N480ES CSN 1649

C/W 150-250 Routine Inspection. Installed a new oil filter P/N 3070945-1. Run up and leak check found satisfactory at this time. All work done in reference with Honeywell LMM 72-03-06 R12 dated 05/31/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Almoive Inc. 330 Bravo Lane, St. Paul, MN FAA Certified Repair Station # YRR0491L

Signed *[Signature]*

WOH# 460875 Date: 1/4/2016  
 Reg# N480ES Eng. SN: P-116947C  
 Hobbs: 2124.3 ETC: 1682

Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

**ELLIOTT AVIATION**  
 Right Engine Log Entry

- \* Completed Phase A1-A6, phase C1-C6, and phase D1-D5 checks using checklists from Learjet 40 maintenance manual MM105 revision 33 dated 12/7/2015
- \* Maintenance Action
- \* Blended nick out of one RH engine fan blade in ref. to Honeywell TFE731-20 light maintenance manual 72-70-03

I certify this Engine has been inspected in accordance with Phase A1-A6, Phase C1-C6, and Phase D1-D5 inspections per 14 CFR 91.409 (e)(1)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed *[Signature]*  
 Nathan Ballard

for Elliott Aviation of Minneapolis, Inc. KXGR005N

3, REPAIRS AND OVERHAULS  
 TH NAME, RATING AND CERTIFICATE NUMBER  
 PAGE \_\_\_\_\_

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.

1. Approving Civil Aviation Authority/Country:

USA/UNITED STATES

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

000536846

4. Organization Name and Address:

Honeywell International Inc  
111 S. 34th Street  
Phoenix, Arizona 85072

KLX Aerospace Solutions  
10000 NW 15 TERRACE  
MIAMI, FL 33172

5. Work Order/Contract/Invoice Number:  
ATXV9 001  
Page 1 of 1

PRODUCTION APPROVAL:  
PC413NM

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
001	1B TER 13A/ENGT. P18A.	897830-1	20 EA	N/A	NEW

12. Remarks:

AIRWORTHINESS APPROVAL  
DIRECT SHIPMENT AUTHORIZATION  
Customer P.O. # DF-2803  
QTY 20 FA. CONTROL NUMBER: 2015H14256. MFR LOT# 8804 51. Expires UNLIMITED

13a. Certifies the items identified above were manufactured in conformity to:	<input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12	
<input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Part 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature: <i>Kerry Vogt</i>	13c. Approval/Authorization No.: ODA-602216-NM	14b. Authorized Signature:
13d. Name (Typed or Printed): Kerry Vogt	13e. Date (dd/mm/yyyy): 25 FEB 2016	14c. Approval/Certificate No.:
<del>14d. Name (Typed or Printed):</del>		
<del>14e. Date (dd/mm/yyyy):</del>		

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

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Agency/Country:

FAA/UNITED STATES

# AUTHORIZED RELEASE CERTIFICATE

1. Form Tracking Number: 000918053

Organization Name and Address:  
Honeywell International Inc.  
111 S. 34th Street  
Phoenix, Arizona 85072

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG  
NEX Aerospace Solutions  
10000 NW 15 TERRACE  
MIAMI FL 33172

5. Work Order/Contract/Invoice Number:  
A02R45 001  
Page 1 of 1

6. Item: 7. Description:  
001 FLTRX ULLMCT

8. Part Number:  
3070945-1

9. Quantity:  
2355 EA

10. Serial Number:  
N/A

11. Status/Work:  
NEW

### 12. Remarks:

AIRWORTHINESS APPROVAL  
DIRECT SHIPMENT AUTHORIZATION  
Customer P.O. # 151124002  
QTY 2355 EA. CONTROL NUMBER: 2015K08925, MFR LOT# D12451707

### 13. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

### 13a. Other regulations specified in Block 12:

14 CFR 43.9 Return to Service  Other regulations specified in Block 12  
Certifies that repairs otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with 25CFR 14, Code of Federal Regulations, part 43, and in respect to that work, all items are approved for return to service.

13b. Authorized Signature:  
*[Signature]*

13c. Approval/Authorization No.:  
00-A-60216-NM

13d. Authorized Signature:

13e. Approval/Certificate No.:

13d. Name (Typed or Printed):  
Francisco Miranda

13e. Date (dd/mm/yyyy):  
03 DEC 2015

13d. Name (Typed or Printed):

13e. Date (dd/mm/yyyy):

### User/Installer Responsibilities

It is important to understand that the existence of this document does not automatically constitute authority to install the aircraft engine/propeller/aircraft.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accept (accept(s)/repair(s)/inspect(s)) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 13d do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Approving Civil Aviation Authority/Country  
**FAA/UNITED STATES**

**AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3 Form Tracking Number  
 1146471

Organization Name and Address  
**HONEYWELL INTERNATIONAL** - (Production Approval: PCA13MH)  
 111 S. 34th St. PHOENIX, AZ 85072-2181

C/O KACD  
 3120 E. Enterprise  
 Brea, CA 92821

5 Work Order/Contract/Invoice Number  
 4569917-00

Item	7 Description	8 Part Number:	9 Quantity	10 Serial Number	11 Status/Notes
1	PACKING	59413-036	1000	N/A	NEW

2 Remarks: "DIRECT SHIPMENT AUTHORIZATION" AIRWORTHINESS APPROVAL

3a Certifies the items identified above were manufactured in conformity to:

- Approved design data and in a condition for safe operation.
- Non-approved design data specified in Block 12.

14 CFR 43.9 Return to Service  Other regulation specified in Block 12

13a Certifies that the work specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

3b Authorized Signature <i>Gregory V. Wallick</i>	13c Approval/Authorization No. 00A-602216-NH	13b Authorized Signature	13c Approval Certificate No.
3d Name (Typed or Printed) GREGORY V. WALLICK	13e Date (dd/mm/yyyy) 18 NOV 2015	13d Name (Typed or Printed)	13e Date (dd/mm/yyyy)

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Here the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1. It is essential that the user/installer ensures that the airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 13d do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

MAKE HONEYWELL DATE 9/22/2016

MODEL TFE731-20BR-1B WO# RPR44004

S/N P-116947 TSN 2225.6

REG NO N480ES CSN 1727



PAIRS AND OVERHAULS  
PAIRS WITH NAME, RATING AND CERT

DESCRIPTION OF WORK PE

Complied with a 150-250 Hour Routine Periodic Inspection and a 500-850 Hour Routine Periodic Inspection. Operational leak check was found satisfactory. All work performed with reference to Honeywell LMM 72-03-06 revision 12 dated 5/3/13 and other data and methods acceptable to the administrator.

TOTALS BROUGHT FOI

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airmotive Inc 330 Bravo Lane, St. Paul, MN FAA Certified Repair Station # YRR0491L

Signed

*[Handwritten Signature]*

MAKE HONEYWELL DATE 10/11/2016

MODEL TFE731-20BR WO# RPR44221

S/N P-116947 TSN 2231.1

REG NO N480ES CSN 1730



C/W S/B TFE731-72-5145 initial FCU to flow meter tube assembly installation inspection.

Note: A recurring 25 hour FCU to flow meter tube assembly installation inspection is required at TSN:

All work performed with reference to Honeywell LMM 72-03-06 revision 12 dated 5/3/13 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for repair are on file at repair station Dallas Airmotive, St. Paul, MN FAA

2256.1

Signed

*[Handwritten Signature]*

<b>TOTALS TO I</b>												

MAKE HONEYWELL DATE 11/11/16  
 MODEL 731-20BR-1B WOV# RPR44435  
 S/N P-116947C TSN 2237.0  
 REG NO N480ES CSN 1733



Removed oil pump pin 3060785-2 s/n 061405700136, installed an overhauled pin 3060785-3 s/n 051405700901 oil pump. Complied with service bulletin TFE731-79-5121 revision 0. Performed pressure adjustment, operational and leak checks. All work performed IRW Honeywell LMM 72-03-06 revision 12 dated May 31, 2013.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Air Motive, St. Paul, MN FAA Certified Repair Station # YR804911.

Signed:

WOV# 461558 Date: 12/16/2016  
 Reg# N480ES Eng. S/N: P-116947C  
 ETT: 2266.5 ETC: 1749



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2617

Right Engine Log Entry

\* Service Bulletin TFE731-73-5145 by visual inspection per section 3, paragraph B(2). No deformities or leaks noted at this time. Next inspection due in 25 engine operating hours.

I certify that engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOV# 461558.

Signed: for Elliott Aviation of Minneapolis, Inc.  
 Darren Seehusen CRS# KX5F005M

MAKE	HONEYWELL	DATE	1/17/17
MODEL	731-20BR-1B	WOV#	RPR444849
SN	P-116947C	TSN	2271.6
REG NO	N480ES	CSN	1732



Complied with service bulletin TFE731-73-5145 revision 0 by installing a new pin 70060172-1 tube and a new pin 3061288-1 tube. Complied with Learjet service bulletin SB 40-73-01 revision 1 by installing a new pin 4573140001-801 bracket kit. Leak and operational checks complied with. All work performed IRW Honeywell LMM 72-03-06 revision 12 dated May 31, 2013. Learjet SB 40-73-01 revision 1 and SB TFE731-73-5145 revision 0.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Air Motive, St. Paul, MN FAA Certified Repair Station # YR804911.

Signed:

ENGINE  MODULE  SERIAL NUMBER \_\_\_\_\_ DATE \_\_\_\_\_

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORD WITH CURRENT APPLICABLE REGULATIONS



1. Approving Civil Aviation Authority/Country:

2.

FAA/United States

# AUTHORIZED RELEASE CERTIFICATE

## FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

2016002361705Y14  
8005937362-10

4. Organization Name and Address: HONEYWELL INTERNATIONAL INC 1944 E SKY HARBOR CIRCLE PHOENIX AZ 85034

Production Approval  
PC413NM

5. Work Order/Contract/Invoice Number:  
DF63000Q  
Page 1 of 1

6. Item:

7. Description: TUBE, METAL, FLOW DIVIDER - FLOW METER

8. Part Number: 70060172-1

9. Quantity: 2

10. Serial Number: N/A

11. Status / Work: NEW

12. Remarks:  
AIRWORTHINESS APPROVAL

SERIALIZATION NOT REFERENCED IN BLOCK 10 IS NOT REQUIRED OR TRACEABLE BY  
HONEYWELL INTERNATIONAL INC. REFERENCE FAA ORDER 8130.21

13a. Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 12.

14a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12  
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

*Gabriela Capardina*

13c. Approval/Authorization No.: ODA-602216-NM

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed): Gabriela Capardina

13e. Date (dd/mm/yyyy): 05/DEC/2016

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

### User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/airframe. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that this/their airworthiness authority accepts aircraft engine(s)/propeller(s)/airframe(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

NSN : 0052 - 00 - 012 - 9005  
FAA FORM 8130 - 3 (02-14)

218					2				2										
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1. Approving Civil Aviation Authority/Country: **2. FAA/United States**

**AUTHORIZED RELEASE CERTIFICATE**

**FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**

3. Form Tracking Number:  
20160002393370Y14  
8005956784-10

4. Organization Name and Address: **HONEYWELL INTERNATIONAL INC** Production Approval  
1944 E SKY HARBOR CIRCLE  
PHOENIX AZ 85034

5. Work Order/Contract/Invoice Number:  
DF63000K  
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	TUBE ASSEMBLY METAL	3061289-1	2	N/A	NEW

12. Remarks:  
AIRWORTHINESS APPROVAL

SERIALIZATION NOT REFERENCED IN BLOCK 10 IS NOT REQUIRED OR TRACEABLE BY  
HONEYWELL INTERNATIONAL INC. REFERENCE FAA ORDER 8130.21

13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
13b. Authorized Signature: <i>Blaine McCreone</i>	14b. Authorized Signature:
13c. Approval/Authorization No.: ODD-A-602218-NM	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Blaine McCreone	14d. Name (Typed or Printed):
13e. Date (dd/mm/yyyy): 12/DEC/2016	14e. Date (dd/mm/yyyy):

**User / Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft is returned to service. NSN : 0052 - 00 - 012 - 9005

FAA FORM 8130 - 3 (02-14)

918

URE INCE





1. Approving Civil Aviation Authority/Country:

FAA/UNITED STATES

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

Honeywell International Inc.  
111 S. 34th Street  
Phoenix, Arizona 85072

PRODUCTION APPROVAL:  
PCA13NM

KLX Aerospace Solutions  
10000 NW 15 TERRACE  
MIAMI, FL 33172

3. Form Tracking Number:  
000701293

5. Work Order/Contract/Invoice Number:  
AV4870 001  
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
001	FILTER ELEMENT, REG.	897830-1	10EA	N/A	NEW

12. Remarks:

AIR WORTHINESS APPROVAL  
DIRECT SHIPMENT AUTHORIZATION  
Customer P.O. # HP-11765  
QTY 10 EA, CONTROL NUMBER: 2016L15878, APRR LOT# 1188671, Expires UNLIMITED

HIST SEQ:  COND: FN  
ITEM: 897830-1 PL: 38  
LOT: HP-11765-4 BIN: B014  
RECD: 07/14/17

13a. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

13a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12

~~Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43, and in respect to that work, the items are approved for return to service.~~

13b. Authorized Signature: <i>Kerry Vogt</i>	13c. Approval/Authorization No.: ODA-602216-NM	14b. Authorized Signature:	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Kerry Vogt	13e. Date (dd/mm/yyyy): 11 JUL 2017	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

2   8			
* 12			
JRE	NCE		



1 Approving Civil Aviation Authority/County  
2  
3 Form Tracking Number  
4 Organization Name and Address  
5 Work Order/Contract/Invoice Number  
FAUNTED STATES  
AUTHORIZED RELEASE CERTIFICATE  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG  
1225791  
HONEYWELL INTERNATIONAL - (Production Approval: PCA13NH)  
111 S. 34th St. PHOENIX, AZ 85072-2181  
C/O KAPCO  
3120 E. Enterprise  
Brea, CA 92821  
5008249-00  
NEW

6 Item	7 Description	8 Part Number	9 Quantity	10 Serial Number	11 Status/Work
1	PACKING	S9413-036	500	N/A	NEW

12. Remarks: "DIRECT-SHIPMENT AUTHORIZATION"  
AIRWORTHINESS APPROVAL

13a. Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 12.  
14a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12.  
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b Authorized Signature <i>Gregory V. Wallick</i>	13c Approval/Authorization No.: ODA-602216-NH	14b Authorized Signature	14c Approval/Certificate No.
13d Name (Typed or Printed) GREGORY V. WALLICK	13e Date (dd/mm/yyyy) 17 FEB 2017	14d Name (Typed or printed)	14e Date (dd/mm/yyyy)

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-13)  
N

OVERHAULS  
H NAME, RATING AND CERTIFICATE NUMBER

MAKE Honeywell DATE 09/18/2017  
 MODEL TFE731-20BR-1B W/O# RPR47291  
 SN P-116947 TSN 2345.9  
 REG NO N480ES CSN 1801



C/W 130-250/500-650/500-850/1000-1300 hour routine inspections. R&R fuel filter P/N on and off: 897830-1. R&R oil filter P/N on and off: 3070945-1. C/W oil change and serviced engine with mobil254 oil. Post maintenance run up and leak check found satisfactory. No leaks noted. All work done in reference with Honeywell LMM 72-03-06 R12 dated May 31, 2013 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airotive Inc. 330 Bravo Lane, St. Paul, MN FAA Certified Repair Station # YRR0491L

Signed *[Signature]*

DE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

TOTALS TO DATE

WOW 462167 Date: 10/11/2017  
 Reg# N480ES Eng. SN: P-116947C  
 Hobbs: 2345.9 ETC: 1801



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2817

Right Engine Log Entry

Airworthiness Directive  
 \* AD 2017-20-01 Honeywell TFE731 fan data, effective date Nov 2, 2017. AD found to be not applicable by SN or disk; currently installed in reference to Honeywell Service Bulletin TFE731-72-526 Table 8.

I certify the Engine has been inspected in accordance with a "X" inspection per 14 CFR 91.409 (f)(2) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed *[Signature]*  
 David Neilson

for Elliott Aviation of Minneapolis, Inc.  
 CRSA KXSR003N

SERVICE RECORD

ESCF	IDOF	UMU	INC	O/H

WOW 462703 Date: 9/25/2018  
 Reg# N480ES Eng. SN: P-116947C  
 Hobbs: 2431.5 ETC: 1860



Elliott Aviation of Minneapolis, Inc.  
 Flying Cloud Airport  
 13801 Pioneer Trail  
 Eden Prairie, MN 55347-2817

Right Engine Log Entry

Maintenance Action  
 \* Complied with right engine DEEC download using Honeywell Engines interface program. No faults found.

I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WOW 462703

Signed *[Signature]*  
 David Neilson

for Elliott Aviation of Minneapolis, Inc.  
 CRSA KXSR003N

ENGINE MODULI SERIAL

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20



# SERVICE RECORD

## DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

ENGINE   
MODULE   
SERIAL NUMBER \_\_\_\_\_

MAKE HONEYWELL DATE 9/28/2018

MODEL TET71-20BR-1B WOV ES57371

SN P-116947 TSN 25204

REG NO N480ES CSN 1907

C/W at 150-250 hour routine periodic inspection. Downloaded DEEC. Installed a new PN 3070945-1 oil filter element. Inspected minor corrosion on main frame near upper engine mount. Honeywell PSE recommended to change oil next 150-250 hour routine periodic. C/W logbook research. Engine meets the condition found in Temporary Revision No. 5-17 to extend the Major Periodic Inspection (MPI) to a 3500 hour interval and the Core Zone Inspection (CZI) to a 7000 hour interval. Complied with operational and leak checks. All work performed with reference to Honeywell LAM 72-03-06 revision 13 dated January 18, 2018 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Further details of the repair are on file at repair station Dallas Air motive, St. Paul, MN FAA Certified Repair Station # YR0491L.

Signed \_\_\_\_\_

WITH \_\_\_\_\_



Dallas Air motive  
AAI Aircraft Company

MAKE HONEYWELL DATE 1-2-2019

MODEL TET71-20BR-1B WOV ES57371

SN P-116947C TSN 25204

REG NO N480ES CSN 1907

C/W S/B 79-5129 R0 by installing a new oil tank decal P/N 59902G56T and sight glass label P/N 461-512-9002. Installed a new filter plug P/N 572-533-9225 and Liquid Level Gauge P/N 361-530-911L. Re-identified the oil tank to P/N 3060720-4-742783. All work performed with reference to Honeywell LAM 72-03-06 revision 13 dated January 18, 2018, S/B 79-5129 R0 and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Further details of the repair are on file at repair station Dallas Air motive, St. Paul, MN FAA Certified Repair Station # YR0491L.

Signed \_\_\_\_\_

DATE														

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.

WO# 463624 Date: 10/10/2019  
Reg# N480ES Eng. SN: P-116947C  
ETT: 2666.8 ETC: 1987



Right Engine Log Entry

Elliott Aviation of Minneapolis, Inc.  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

**Maintenance Action**  
\* Performed engine DEEC download using Honeywell e-engine interface program. No faults. Work completed in reference to Honeywell Light maintenance manual TFE 731-20 40/50/60 fault isolation chapter 72-00-00 subtask 72-00-00-810-006-A01.

I certify this Engine the above stated maintenance and/ or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Linx Aviation's Approved Aircraft Inspection Program and is approved for return to service.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc.  
CRS# KXSRO05N

ICE  
re



MAKE HONEYWELL DATE 11-7-2019  
 MODEL TFE731-208R-1B WOH FSS6466  
 SN P-116947 TSN 2876.8  
 REG NO N480ES CSN 1996

C/W a 150-250 hour routine periodic inspection. Installed a new PN 3070945-1 oil filter element. Complied with operational and leak checks. All work performed with reference to Honeywell LMM 72-03-06 revision 13 dated January 18, 2018 and other data and methods acceptable to the administrator

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Link Aviation's Approved Aircraft Inspection Program and is approved for return to service

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are: Dallas-Fort Worth DFW Airport, Dallas, TX, FAA Certified Repair Station # YRR04911L

Signed \_\_\_\_\_



MAKE HONEYWELL DATE 09/03/2020  
 MODEL TFE731-208R-1B WOH FSS64850  
 SN P-116947 TSN 2873.7  
 REG NO N480ES CSN 2147

C/W a 150-250/500-600/500-350 hour routine periodic inspections. Installed a new oil filter element P/N 3070945-1. Installed a new fuel filter P/N 897830-1. Performed a post maintenance run and leak check. All work performed with reference to Honeywell LMM 72-03-06 revision 13 dated January 18, 2018 and other data and methods acceptable to the administrator.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulation of the Federal Aviation Administration and/or Jet Link Aviation's Approved Aircraft Inspection Program and is approved for return to service

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are: Dallas-Fort Worth DFW Airport, Dallas, TX, FAA Certified Repair Station # YRR04911L

Signed \_\_\_\_\_

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 SINCE  
 UTC



1. Approving Civil Aviation Authority/Country:

FAA/UNITED STATES

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

1438672

4. Organization Name and Address:

HONEYWELL INTERNATIONAL - (Production Approval): PC413(NH)  
111 S. 34th St. PHOENIX, AZ 85034

C/O PROPONENT  
3120 E. Enterprise  
Brea, CA 92821

5. Work Order/Contract/Invoice Number:  
6246374-00

6. Item

1. PACKING

8. Part Number:  
S9413-036

9. Quantity:  
600

10. Serial Number:  
N/A

11. Status/Work:  
NEW

12. Remarks: "AIRWORTHINESS APPROVAL - DIRECT SHIPMENT AUTHORIZATION"

\*Serialization not referenced in block 10 is not required or traceable by Honeywell International Inc. Reference FAA Order 8130.21

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 12

14a.  14 CFR 43.9 Return to Service

Other regulation specified in Block 12

~~Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.~~

13b. Authorized Signature:

*Gregory V. Wallick*

13c. Approval/Authorization No.:  
ODA-602216-NM

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):  
GREGORY V. WALLICK

13e. Date (dd/mm/yyyy):  
29 SEP 2020

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

10 10

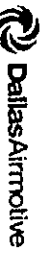
# SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS  
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

PAGE \_\_\_\_\_

HOURS THIS LIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
		HOURS		CYCLES		
		SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	

TOTALS BROUGHT FORWARD



MAKE Honeywell          DATE 4/14/2021

MODEL 731-20BR-1B      WOH# FS66744

S/N P-116947              TSN 3094.3

REG NO N480ES          CSN 2302

C/W 150/250 and 1500/1650 hour routine periodic inspections. Removed and installed a new oil filter element, P/N 3070945-1. Serviced engine with Mobil 254. Customer C/W post maintenance run up and leak check. C/W DEEC download. Work performed in reference with Honeywell LMM 72-03-06 revision 13 dated January 18, 2018, and other data and methods acceptable to the administrator.

The aircraft, aircraft engine, or appliance identified above was repaired and inspected with reference to the current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at repair station Dallas Airmotive, St. Paul, MN FAA Certified Repair Station # YR00491L

I certify the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and JetLink Aviation's Approved Aircraft Inspection Program and is approved for return to service.

Signed *[Signature]*

HOURS THIS LIGHT	CYCLES THIS FLIGHT	DESCRIPTION OF WORK PERFORMED	SIGNATURE	RATING	CERTIFICATE NUMBER
		TOTALS BROUGHT FORWARD			
		TOTALS TO DATE			

Pre	Ince			
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Reg. #: #2 Eng SN:

NA80ES HONEYWELL ENGINES  
P-116947C

Date: Model:  
#2 Eng TSN:

December 10, 2021  
TFE731-20BR-1B  
3488.0

Work Order:  
#2 Eng CSN:

FUH6  
2640

**Performed the following inspections in accordance with Honeywell Light Maintenance Manual R13:**

- 150-250 Hour Routine Periodic
- 500-650 Hour Routine Periodic
- 500-850 Hour Routine Periodic
- 1000-1300 Hour Routine Periodic
- 1500-1650 Hour Routine Periodic
- 3500 Hour Major Periodic

**Performed the following general maintenance under work order FUH6C:**

- Performed Method 1 engine preservation LAW Honeywell LMM 72-00-00.

Service Bulletins including weight changes and Airworthiness Directives accomplished are entered in the appropriate section of the logbook. Reference adjacent listing of Major Components Repaired/Replaced.

Prior to return to service engine requires oil change (filter previously replaced), post MPI performance run, gearbox pressure check, vbe survey, overspeed system test, DEEC manual mode transfer test and APR cycle count.

**A S.O.A.P. Sample, chip detector check, and fuel filter replacement will be required after the initial 25 Hrs. of operation.**

SB 72-5208 is (-)0.176 pound. Total engine weight change is minus (-)0.176 pound.

I certify the above stated maintenance and/or inspection was performed in accordance with current regulations of the Federal Aviation Administration and/or Jet Linx Aviator's Approved Aircraft Inspection Program and is approved for return to service. A detailed record is on file under work order FUH6C.

Signed:

*Mel S. McKain*

Duncan R11 13"

For Duncan Aviation Repair Station JGV194F Phone: 800-228-4277

S/N: P-116947C

December 10, 2021

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Reg. #: N480ES  
 Make: HONEYWELL ENGINES  
 #2 Eng SN: P-116947C

Date: December 10, 2021  
 Model: TFE731-20BR-1B  
 #2 Eng TSN: 3488.0

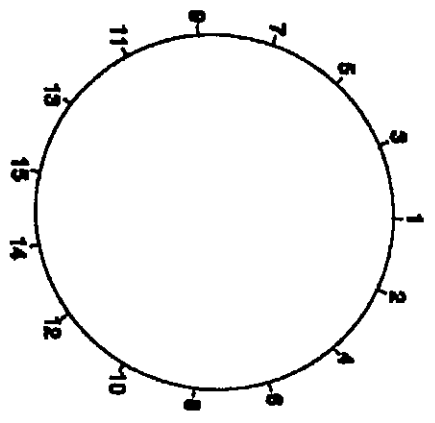
Work Order: FUHS  
 #2 Eng CSN: 2840

### TFE731-20/-40/-50/-60 A4 Nozzle Assembly Position Data Sheet

1. Assign nozzle segment position numbers by the effective flow area (AE) identified on the segments. Assign position # 1 to the segment with the highest AE. Continue assignment of position numbers to remaining segments in order by the highest AE, assigning position # 15 to the segment with lowest AE.
2. Index each nozzle segment with assigned position numbers. Record effective flow area (AE) and part number of segment on the following list.
3. Retain completed data sheet with engine log book.

Position #	Nozzle Segment Part Number	Effective Flow Area (AE) (sq in)
1	3060840-3	0.858
2	3060840-3	0.853
3	3060840-3	0.850
4	3060840-3	0.849
5	3060840-3	0.846
6	3060840-3	0.843
7	3060840-3	0.842
8	3060840-3	0.840
9	3060840-3	0.840
10	3060840-3	0.839
11	3060840-3	0.839
12	3060840-3	0.837
13	3060840-1	0.803
14	3060840-1	0.800
15	3060840-1	0.799
<b>Total AE = 12.538</b>		

#### Position Number Locations for Installation of Nozzle Segments



FORWARD LOOKING AFT

Signed: Mark J. McKinn

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

Duncan Hill 117

SN P-116947C

December 10, 2021

Page 1 of 1

Issue	Distance	Lead	Work	01
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Reg. #:   
 Make:   
 #2 Eng S/N:

Model:   
 #2 Eng TSN:

Date:   
 #2 Eng S/N:

December 10, 2021   
 TFE731-20BR-1B   
 2488.0

Work Order:   
 #2 Eng CSN:

FUHS   
 2440

**SERVICE BULLETIN COMPLIANCE RECORD**  
 Duncan Aviation  
 Lincoln, NE 68501  
 Phone: 402-475-2611

SB Number & Revision	Subject	Weight Change (lbs)	If Recurring, Next Due
TFE731-72-5101 R6	Service Life Limits of Critical Life Limited Components.	NA	
TFE731-72-5121	One Time Oil and Filter Resample. Researched, found last SOAP taken after 07 Dec 1997.	NA	
TFE731-72-5126 R2	Inspect/Rework/Install Oil Filter Cover P/N 3072231-2-3 to P/N 3072231-5. PCW by oil filter cover P/N	NA	
TFE731-72-5141 R2	Inspect/Replacement (As Required) of Threaded Ends the Rod P/N 3074744-1. Inspected and found not laser etched	NA	
TFE731-72-5150 R3	Replace the Housing Bracket on Fan Disc Set P/N 3072420-13 (Upper Half). NA by engine S/N	NA	
TFE731-72-5166 R1	Replace Specific HPT Tie Shaft Plain Round Nuts P/N 3070151-4. Inspected and found suspect A-stamp but has lot number and is serviceable	NA	
TFE731-72-5172 R5	HPT and LPT Blade Hour Tracking and Recommended Blade Replacement Intervals.	NA	HPT
TFE731-72-5173 R1	Replace Specific Helical King Gears P/N 3060277-2 and Inspect Associated Parts. NA by engine S/N and no action to replace ring gear	NA	
TFE731-72-5174 R1	Remove Specific Identified HPT Rotor Discs. NA by HPT disc S/N	NA	
TFE731-72-5175	Replace LPT3 Blades P/N 3060690-1 on Specific LPT3 Rotor Assemblies. NA by compliance with SB 72-5208	NA	
TFE731-72-5177	Replace Specific LP 2nd Stage Turbine Blades P/N 3075424-1/2. NA by LPT2 disc S/N and install date of blades	NA	
TFE731-72-5185	Inspect/Replace Specific HPT Rotor Discs P/N 3060841-1. NA by HPT disc S/N	NA	
TFE731-72-5204 R1	Incorporate Improved Design LPT1 and LPT2 Rotor Assembly Blade Retainers. Reidentified LPT1 ASSY to 3060810-5 and LPT2 ASSY to P/N 3060608-5.	NA	
TFE731-72-5208	Rework/Install LPT3 Rotor Assembly Incorporating Improved Design Blades P/N 3061823-2. Reidentified LPT3 ASSY to P/N 3060626-8.	(-) 0.176	
TFE731-72-5216 R1	Install Improved Plain Encased Seal P/N 3070095-28.	NA	
TFE731-72-5221 R1	Replace Specific LPT2 Rotor Blades P/N 3075424-2-3. NA by engine S/N and install date of LPT2 blades	NA	
TFE731-72-5223 R1	Apply Protective Coating to the Air Frame of the Composite Bypass Duct.	NA	
TFE731-72-AS240	Inspect or Replace 2nd LPT Rotor Assemblies with Suspect Blades. NA by SB 72-AS242 R2 being NA	NA	
TFE731-72-AS242 R2	2nd LPT Rotor Assemblies with Suspect Blades. NA by LPT2 Blades TSN	NA	

S/N: P-116947C

December 10, 2021

Page 1 of 2

ACCESSORIES



LIFE LIMITED PARTS

SR Number & Revision	Subject	Weight Change (lbs)	If Recurring, Next Due
TFE731-72-A5246 R1	Eddy Current Inspect 2nd LPT Rotor Assemblies with Suspect Blades. NA by SB 72-A5240 being NA	NA	
TFE731-72-S251 R1	Accomplish Eddy Current Inspection of Specific LPTZ Blades P/N 3075424. NA by install date of LPTZ blades	NA	
TFE731-72-S256 R1	Identify and Replace Specific Fan Discs P/N 3060287-2 with Suspect Shot Peened Rolled Edges. NA by fan disc S/N	NA	
TFE731-72-5268	Apply Retaining Compound to Engine Wiring Harness Attachment Nuts and Install Silicone Self Adhering Tape to Engine ITT Harness Electrical Connector.	NA	
TFE731-73-5107 R1	One Time Inspection for Fuel Control Compressor Discharge Bellows P/N 3074139-2 and Replacement of Metering Valve Assembly. NA by FCU P/N	NA	
TFE731-73-5118 R3	Replace Specific Fuel Control Assemblies having Suspect Torque Motors. NA by FCU S/N	NA	
TFE731-73-5130 R1	Replace Fuel Control Assemblies having Suspect Overspeed and/or Manual Mode Solenoid Valve. NA by FCU S/N	NA	
TFE731-73-5135	Replace Main Turbine Engine Fuel Controls with Suspect Overspeed Governor Assembly. NA by FCU S/N	NA	
TFE731-73-5136	Replace Main Turbine Engine Fuel Pump Fuel Filter Element with Filter Element P/N 897830-1.	NA	
TFE731-73-5137	Replace Specific Main Turbine Engine Fuel Pumps P/N 3060760-4. NA by fuel pump S/N	NA	
TFE731-73-5138	Replace Fuel Control Assemblies having suspect Overspeed and/or Manual Mode Solenoid Valve. NA by FCU S/N	NA	
TFE731-73-5145 R1	Replace Fuel Flow Meter Tube Assemblies P/N 3061157-1 and P/N 3061148-1 with Improved Fuel Hose Assembly P/N 3061288-1 and Fuel Tube Assembly P/N 70060172-1. PCW on 17 Jan 2017. 25 hour recurring inspection is terminated due to new P/N tubes installed.	NA	
TFE731-73-5146 R1	Install Improved Fuel Control Assembly (FCA) P/N 3070800-28 -30 -37 -47 -69 -79 with Improved Solenoid Attachment Screws. Reworked FCA P/N 3070800-37 (S/N 19161) IAW SB CHR1-73-0001 R1	NA	
TFE731-73-5151	Inspect Primary Fuel Line Manifold And No. 6 Bearing Oil Scavenge Air Tube Assembly And Add Clamping.	NA	
TFE731-76-5122 R1	Replace Specific Identified Digital Electronic Engine Controls P/N 2118882-1008/-2009. NA by DEC S/N	NA	
TFE731-76-5123	Replace Specific Identified Digital Electronic Engine Controls P/N 2118882-1008/-2009/-5001/-6002. NA by DEC S/N	NA	
TFE731-79-5134 R1	Replace No. 6 Bearing Oil Supply Tube Assembly P/N 3060964-1 or -2 with P/N 3060964-7 or -8 and Add a Clamp.	NA	

Signed:

*Mark J. McKinn*

Duncan R11 137

For Duncan Aviation Repair Station JGVR184F Phone: 800-228-4277

**AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Applicant Name and Address: **UNFAUNTED STATES**  
 2. Form Tracking Number: **FUJH6C0201001001**  
 3. Part Description: **Duncan Aviation/701 Aviation Road/Lincoln, NE 68524 JGVR194F**  
 4. Part Number: **3060084-1**  
 5. Quantity: **1**  
 6. Serial Number: **FUJH6C**  
 7. Part Name: **TURBOFAN ENGINE**  
 8. Part Number: **P-116947C**  
 9. Status: **Inspected**  
 10. Date of Issue: **10 Dec 2021**

Customer: JET LINX AVIATION LLC (C)  
 Complied with 3500 hour Major, 150-250, 500-650, 500-850, 1000-1300 and 1500-1650 hour Routine periodic in accordance with Honeywell Light Maintenance Manual Report 72-03-06 R13, dated Jan. 18, 2018.  
 Performed Method 1 engine preservation IAW Honeywell LMM 72-00-00.  
 Prior to return to service engine requires oil change (filter previously replaced), post MPI performance run, gearbox pressure check, vibe survey, overspeed system test, DEEC manual mode transfer test, and APR cycle count.  
 A SOAP Sample, chip detector check, and fuel filter replacement will be required after the initial 25 Hrs. of operation.  
 Engine TSN: 3488.0, CSN: 2640.  
 All current U.S. Airworthiness Directives have been met, or, require no action at this time.  
 SB 72-5208 is (-)0, 176 pound. Total engine weight change is minus (-)0, 176 pound.  
 Approval for return to service

12. Certified the items specified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 12

13. Return to Service:  14. CFR 43.9 Return to Service  Other regulations specified in Block 12  
 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Name (Type or Printed): **GREGORY D Palensky**  
 16. Signature: *[Signature]*  
 17. Date (Month/Day/Year): **10 Dec 2021**  
 18. Approval Certificate No: **JGVR194F**  
 19. Part Name (Type or Printed): **DUNCAN 3060084-1**  
 20. Date (Month/Day/Year): **10 Dec 2021**

1. A statement is authorized that the signature of the applicant above does not constitute an authorization to return the serial engine to service.  
 2. The undersigned certifies that the work described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.  
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