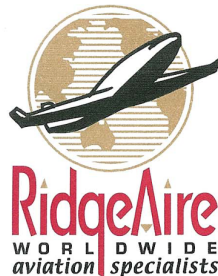


N977JP

1997 Learjet 31A

Airframe Logbooks (2004-2008)



MSN: 31A140

Prepared by the worldwide aviation specialists at RidgeAire, Inc.

31A-140 LOG #4

AIRCRAFT LOG BOOK

BOMBARDIER
AEROSPACE

AIRCRAFT DESCRIPTION

MANUFACTURER <i>LEARJET INC</i>			PLACE <i>WICHITA, KANSAS</i>		DATE <i>JULY 2, 1997</i>
REGISTRATION NO.	TYPE <i>31A</i>	SERIAL NO. <i>140</i>	DESCRIPTION <i>TWINJET</i>		
SEATING CAPACITY (INCLUDE CREW):	WEIGHT EMPTY	WEIGHT LOADED			
WING AREA	WING SPAN	LENGTH		HEIGHT	MAIN WHEEL TREAD
OWNER					
ADDRESS					

EQUIPMENT DESCRIPTION

ENGINE		MODEL		RATED THRUST	
PAINT	INTERIOR	EXTERIOR	STRIPE		

F.A.A. CERTIFICATION INSPECTION

AIRWORTHINESS DIRECTIVES COMPLIED WITH THROUGH CARD NO. _____

I HAVE INSPECTED THIS AIRCRAFT AND FOUND IT COMPLIES WITH THE REQUIREMENTS OF F.A.R. _____

CERTIFICATE OF AIRWORTHINESS DATED _____ WAS ISSUED BY ME.

SIGNED: _____, D.M.I.R. NO. _____

RECORD OF COMPLIANCE - FAA AIRWORTHINESS DIRECTIVES

A.D. NUMBER	DATE OF COMPLIANCE	MECHANIC'S SIGNATURE	LICENSE NUMBER	METHOD OF COMPLIANCE
02-14-17	8-11-04	Daniel R. Hall	CRS KKR981K	N/A Due to Equipment Installed
2005-13-36	6 July 05	Samuel B. Binger	CRS KKR2526K	This aircraft is not effected per serial number limitations in SB A31-27-25. There is no record of aileron cable change between 1/31/01 and 12/23/02.
2003-26-14	9/25/06	R. Walker	CRS KKR2526K	N/A NOT INSTALLED
2004-08-16	9/25/06	R. Walker	CRS KKR2526K	"
2004-13-20	9/25/06	R. Walker	CRS KKR2526K	"
2005-01-19	9/25/06	R. Walker	CRS KKR2526K	"
2006-16-18	9/25/06	R. Walker	CRS KKR2526K	N/A NOT INSTALLED
2006-19-04	7/03/07	R. Walker	CRS KKR2526K	N/A NOT INSTALLED
2006-22-05	7/03/07	R. Walker	CRS KKR2526K	N/A NOT INSTALLED
2007-04-48	7/03/07	R. Walker	CRS KKR2526K	N/A BY AIRCRAFT S/N

RECORD OF COMPLIANCE - FAA AIRWORTHINESS DIRECTIVES

[illegible]

SERVICE BULLETIN COMPLIANCE

[illegible]

SERVICE BULLETIN COMPLIANCE

BULLETIN NUMBER	DATE OF COMPLIANCE	MECHANIC'S SIGNATURE	LICENSE NUMBER	REMARKS
BOMBARDIER  AEROSPACE Aviation Services				
A/C: <u>31A-140</u> REG: <u>N45HG</u> LDG: <u>1898</u> TSN: <u>2400.9</u> CRS# <u>LK2R981K</u> WICHITA, KANSAS				
<u>AD 2002-14-19</u> "Rockwell Collins, Inc. ADC-85, ADC-85A, ADC-850D, and ADC-850F Air Data Computers" was found to be <u>not applicable</u> due to equipment installed. Complied with <u>Service Bulletin 31-29-3R1</u> "Installation of Hydraulic Reservoir Bleed Valve" by installing new kit P/N 2484056-814. Complied with <u>1200 Hour Inspection of Flap Cam Follower Bearings</u> as outlined in "Inspection/Checks Due at other Intervals" in Chapter 5 of the maintenance manual. Replaced R/H outboard aft cam bearing P/N CF-7/8-S-CP with new. Complied with <u>1200 Hour Inspection of Flap Track Fitting</u>. Complied with <u>1200 Hour Replacement of Flap Nose Roller Bushings</u>, as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Complied with <u>1200 Hour Cabin Pressurization Flow Rate Check</u> as outlined in "Inspection/Checks Due at other Intervals" in Chapter 5 of the maintenance manual, obtained satisfactory flow rate of 115 SCFM. Complied with <u>2400 Hour Replacement of Primary Rudder Control System Cables</u> as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Complied with <u>2400 Hour Replacement of Primary Elevator Control System Cables</u> as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Complied with <u>2400 Hour Replacement of Primary Aileron Control System Cables</u> as outlined in "Replacement Schedule" in chapter 5 of the maintenance manual. Continued on page 2				
<u>LARASCOPE</u> 0 INSPECTION DONE ON BOTH WINDSHIELDS WITH NO DEFECTS FOUND 				

BULLETIN NUMBER	DATE OF COMPLIANCE	MECHANIC'S SIGNATURE	LICENSE NUMBER	REMARKS
				31-140 page 2
				<u>Complied with 3 Month/200 Hour Main Battery Inspection on units S/N G02081747 and S/N G02081733, as outlined in "Inspection/Checks with Special Requirements or Inspection/Checks Due at other Intervals" in chapter 5 of the maintenance manual.</u>
				<u>Complied with 6 Month Inspection of L/H & R/H Engine Fire Extinguisher Containers for Proper Pressure and Plumbing for Condition and Security as outlined in "Inspection/Checks Due at other Intervals" in chapter 5 of the maintenance manual.</u>
				<u>Complied with 6 Month Operational Check of PS-855 Lead-Acid Emergency Power Supply Battery as outlined in "Inspection/Checks Due at other Intervals" Chapter 5 of the Maintenance Manual.</u>
				<u>Complied with 6 Month Inspection of Main Battery Cases For Condition and Security of Lids, Structure Under Batteries for Traces of Electrolyte or Corrosion, Battery Vent Tubes for Kinks, Obstructions, Security of Attachment, Vent Inlet and Outlet Fittings for Obstructions, Corrosion and Security of Attachment as outlined in "Inspection/Checks Due at other Intervals" in chapter 5 of the maintenance manual.</u>
				<u>Complied with 12 Month Weight Check of L/H & R/H Engine Fire Extinguisher Containers and Functional Test of Engine Fire Extinguisher System as outlined in "Inspection/Checks Due at other Intervals" in chapter 5 of the maintenance manual. L/H S/N 38323B1, and R/H S/N 38324B1.</u>
				<u>Complied with 24 Month Bonding Check of Radio Altimeter Antennas as outlined in "Inspection/Checks Due at other Intervals" in chapter 5 of the maintenance manual.</u>
				<u>Overhauled starter/generators P/N 6608458-2 L/H S/N 99941 and R/H S/N 97048.</u>
				Continue on page 3

SERVICE BULLETIN COMPLIANCE

BULLETIN NUMBER	DATE OF COMPLIANCE	MECHANIC'S SIGNATURE	LICENSE NUMBER	REMARKS
				31-140 page 3
				Incorporated STC ST01036WI-D "Honeywell MK VIII Enhanced Ground Proximity Warning System"
				IAW MDL BAS31010029 Rev(D) -1 Configuration and the following 8110-3 approved drawing
				BAS31035290 Rev(NC) and BAS31025224 Rev (NC) . Provided the following items to the Customer;
				AFM Supplement BAS31045017 Rev(NC), Instructions for Continued Airworthiness (IFCA) BAS-
				31010029-IFCA Rev(NC). Installed the following new parts: EGPWS processor P/N 965-1206-008, S/N
				2923 EGPWS configuration module P/N 700-1710-001 S/N 4930, transfer switch box assembly P/N
				M6088116-007 S/N MAN098884-01.
				Upgraded Production Incorporated ECR 4051 "Single UNS-1C FMS with SCN 601.2" with SCN 604.7
				IAW STC ST00342DE-D "Installation of Single Universal Avionics Systems Corporation UNS-1C FMS"
				IAW MDL BAS31010008 Rev(E) -2 Configuration, ref Note 1. Vendor overhauled FMS P/N 1017-41-
				001 S/N 394 to new SCN 604.7.
				Corrected installation of R/H engine forward mount bolts.
				Screened placard on L/H forward cabinet liquor dispenser drawer
				Replaced L/H and R/H flap inboard and outboard nose roller bolts 4ea P/N NAS334CP13 with new.
				Replaced R/H flap inboard nose roller P/N 2325000-3 with new.
				Replaced L/H and R/H flap sector to push pull tube bolt 2ea P/N NAS454P5-10 with new.
				Replaced L/H aileron outboard drive sector bearings 2ea P/N MS27641-8 with new.
				Replaced L/H aileron clevis bearing P/N MS27645-4 with new.
				Replaced L/H aileron inboard and outboard hinge bearings 2ea P/N MS27645-4 with new.
				Continued on page 4

SERVICE BULLETIN COMPLIANCE

BULLETIN NUMBER	DATE OF COMPLIANCE	MECHANIC'S SIGNATURE	LICENSE NUMBER	REMARKS
				31-140 page 4
				Replaced differential pressure relief valve P/N 6600207-56 S/N 15-A0180 with new P/N 6600207-56 S/N 61-A0538.
				Replaced lower main entry door aft cable assembly P/N 2411660-29 with new.
				Replaced MLG brake assemblies P/N 6600330-9 #1 S/N OCT78-1388, #2 S/N JAN91-2948, #3 S/N JUL85-332, and #4 S/N SEP97-4545 with overhauled units #1 S/N MAR84-905, #2 S/N MAY99-5094, #3 S/N JAN80-2060, and #4 S/N SEP85-392.
				Replaced HF antenna sleeve P/N 13355 with new.
				Replaced R/H strobe light power supply P/N 61-2008 S/N 155620 with repaired unit P/N 61-2008 S/N 16495C.
				Replaced stick shaker assembly P/N 6608289-2 S/N 1922 with new P/N 6608289-2 S/N 2165.
				Replaced upper main cabin entry door torsion bar forward and aft clevis pins 2ea P/N MS20392-3C17.
				Replaced R/H high press bleed air check valve P/N 6608295-1 S/N 5600 with new P/N 6608295-1 S/N 5958.
				Replaced footman loop (tie down) anchors in ski locker 6ea P/N 6411BNI with new.
				Replaced inner bypass duct rub pad 6ea P/N 4950008-71.
				Replaced upper vertical stab static wick P/N 16920 with new.
				Replaced #2 VHF COMM RT P/N 069-1047-22 S/N 21076 with repaired P/N 069-1047-22 S/N 21250.
				Replaced #2 NAV controller P/N 071-1343-08 S/N 3857 with inspected P/N 071-1343-08 S/N 5139.
				Replaced Downspring Attach Bolt P/N AN23-16, 2 EA. Bolt P/N AN23-13, Bolt NAS1104-48D, Bushing 2EA. P/N 2631507-6 and Bushing P/N 2631507-7 with new.
				Replaced cabin temperature control system filter P/N 20011-4-10 with new.
				Serviced air-conditioning system with R-12 Freon IAW LJ31 M/M 12-10-06.
				Vendor (Northern Airborne Technologies Inc.) repaired L/H audio switch panel P/N 11209-2 (vendor P/N 560-001) S/N 123.

Continue on page 5

FLIGHT TIME LOG

[illegible]

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
BOMBARDIER AEROSPACE Aviation Services									
A/C: <u>31-140</u> REG: <u>N45HG</u> LDG: <u>1898</u> TSN: <u>2400.9</u> CRS# LK2R981K WICHITA, KANSAS									
Inspected Autopilot Electronic Box P/N 3118605-009 S/N 343155.									
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 WORK ORDER NO: <u>116191</u> DATE: <u>13 Aug. 2004</u> .									
SIGNATURE <u></u> LEARJET INC. CRS# LK2R981K									
8/21/2004 Act# 2408.4 Replaced Universal UNS-1C CDU P/N 1017-41-001 S/N 394 with P/N 1017-41-001 S/N 1516. Ops Check Satisfactory AEP 315380369									
							TOTAL		
							BROUGHT FORWARD		
							GRAND TOTAL		

FLIGHT TIME LOG

RAYTHEON AIRCRAFT SERVICES INC. INDIANAPOLIS IN. CRS ML2R009L
 Page# 1 CYCLES
 W/O 5017 HOBBS 2467.2
 DATE 09/23/04 TOTAL
 MODEL Lear 31 SERIAL 140

Installed new Headset Jacks P/N M-641/ 6-1.

I certify that with respect to the work performed, this Aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Eric L. Hubbard
 RAYTHEON AIRCRAFT SERVICES

CRS ML2R009L



BROUGHT FORWARD

GRAND TOTAL

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
10/7/04	ACTT 2493.2	LOGS 1969	Serviced		O2 Bottle per Lear.				
	mm 12-00	to 1850 psi	BTL		484948400 A+P				

RAYTHEON AIRCRAFT SERVICES INC. INDIANAPOLIS IN. CRS ML2R009L
 Page# 1
 W/O 17282
 DATE 10/14/04
 MODEL 31

CYCLES
 HOBBS 2508.8
 TOTAL
 SERIAL 140

Replaced Recognition Light P/N Q4681 per Lear M/M 33-40-06.

I certify that with respect to the work performed, this Aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Eric L. Hubbard
 RAYTHEON AIRCRAFT SERVICES

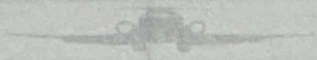
CRS ML2R009L

 **Raytheon**
 Aircraft Services

TOTAL
 BROUGHT FORWARD
 GRAND TOTAL

FLIGHT TIME LOG

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



INDIANAPOLIS
Jet Center

Manufacturer: Learjet Model: 31a Serial Number: 140
 Registration Number: N45HG Total Hours: 2542.5 Landings: 2001

Inspections Performed:

IRN G1222001 Batteries for sump jar, liquid level, charge and capacity.
 IRN F1223010 Operational check of PS-855b emergency power supplies s/ns 1565 and 1339.
 IRN B2432010 6 Month battery installation inspection for case condition, structure, vents and fittings.
 IRN B2620005 Engine fire bottles pressure and plumbing inspection.
 IRN E2620010 Weight check of the engine fire bottles left s/n 38323B1 (6.1lbs) and right s/n 38324B1 (6.2lbs).
 IRN L2812002 Inspection of the wing at station 213.602. No defects noted.
 IRN L2812010 Inspection of the wing between stations 53 and 92.0 No defects noted.
 IRN L2812020 Inspection of the wing at station 72 inboard of spar 5. No defects noted.
 IRN L5710035 Inspection of inboard dry bay forward of spar 2. No defects noted.
 IRN L5210025 Inspection of lower cabin door exterior area. No defects noted.
 Left and Right TR-4000 thrust reverser 150 hour Inspection.
 Phase A1,A2,A3,B1, B2, C1, C2, D1 Learjet Airframe Inspection.

IJC-16003 Page 1 of 2

FLIGHT TIME LOG

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

Maintenance Performed:

31a-140

Adjusted left and right stall protection systems.

Serviced oxygen. Serviced Nitrogen.

Replaced left emergency pressurization aneroid switch (S89) p/n E45C-47 s/n 3642 with new s/n 4968.

Replaced #1 audio amp p/n 438-002 s/n 1583 with repaired unit s/n 3004.

Replaced both tail navigation light bulbs p/n 1683 with new.

Replaced right wing navigation light bulb p/n A-4174-24 with new.

Replaced right windshield fillet sealant.

Replaced cabin seat life vest storage covers' Velcro.

Replaced co-pilots EFIS control panel 071-01439-3200 s/n 2802 with repaired unit s/n 2270.

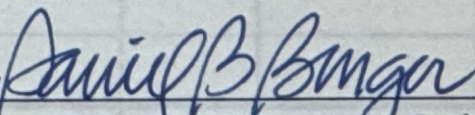
Replaced #1 emergency battery annunciator cube light assembly p/n 92-008-4.

Cleaned forward and aft cabin temperature control system filters.

The Maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-16003.

I certify that this aircraft has been inspected in accordance with the instructions and procedures for an inspection program required by 91.409(f)(3) Learjet Phase A1-3, B1-2, C1-2 and D1, TR-4000 150 hour and is approved for return to service.

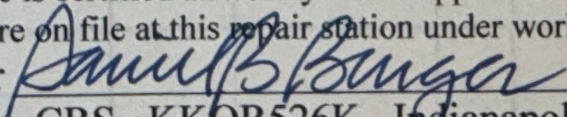
Signature: Daniel B. Burger



Date: 12 November 2004

Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
 INDIANAPOLIS Jet Center									
Manufacturer: Learjet			Model: 31a			Serial number: 140			
Total Hours: 2549.2			Total Landings: 2006			Registration Number: N45HG			
Maintenance Performed: Removed generator control panel p/n 3118414-015 s/n 343153 and re-installed the same unit after repair by Learjet Inc.									
The Maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number 15180.									
Signature Daniel B. Burger  Date: 18 November 2004 Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport									
							TOTAL		
							BROUGHT FORWARD		
							GRAND TOTAL		

FLIGHT TIME LOG

DATE	FLY TIME	TOTAL TIME	TIME	PERIOD	REMARKS
INDIANAPOLIS					
Jet Center					
Manufacturer: Learjet		Model: 31a	Serial number: 140		
Total Hours: 2567.2		Total Landings: 2019	Registration Number: N45HG		
Inspections Performed:					
Complied with the inspection required by FAR 91.411 in accordance with FAR 43 Appendix E for #1 ADC p/n 065-0082-14 s/n 10814 and #2 ADC p/n 065-0082-14 s/n 10815 systems.					
Complied with the discharge-recharge capacity check of the emergency batteries p/n 501-1712-02 s/ns 1565 and 1339.					
Maintenance Performed:					
Replaced two battery packs p/n 549-1324-06 with new in emergency battery assembly p/n 501-1712-02 s/n 1339.					
The Maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15189.					
Signature: Daniel B. Burger			Date: 7 December 2004		
Indianapolis Jet Center			CRS KKQR526K Indianapolis International Airport		

DATE

INDIANAPOLIS

FLT TIME

TOTAL TIME

LINES

PILOTS

REMARKS

Jet Center

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2583.8

Total Landings: 2030

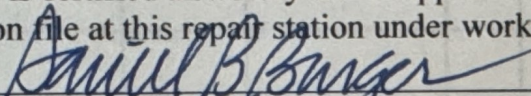
Registration Number: N45HG

Maintenance Performed:

Resealed fuel panels 520CB, 520DB and 520EB.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15207.

Signature: Daniel B. Burger



Date: 17 December 2004

Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport

TOTAL

BROUGHT FORWARD

GRAND TOTAL

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
 INDIANAPOLIS Jet Center									
Manufacturer: Lear			Model: 31A			Serial number: 140			
Total Hours: 2602.8			Total Landings: 2044			Registration Number: N45HG			
Maintenance Performed:									
Serviced oxygen.									
Replaced both ships batteries with new batteries, p/n G-6381E: #1 s/n off G02081747, #1 s/n on G02172274 : #2 s/n off G02081733, #2 s/n on G02172273. Serviced both batteries per Gill Battery instructions.									
The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15.									
Signature: <u>Larry Patrick</u> Date: <u>1-12-2005</u>									
			TOTAL						
			BROUGHT FORWARD						
			GRAND TOTAL						

FLIGHT TIME LOG

DATE		FROM		TO		FLT TIME		TOTAL TIME		LANDS		PILOTS		REMARKS	
						HRS		MIN							
INDIANAPOLIS Jet Center															
Manufacturer: Learjet						Model: 31						Serial number: 140			
Total Hours: 2640.2						Total Landings: 2070						Registration Number: N45HG			
Maintenance Performed:															
Re-installed the knob on the standby attitude indicator.															
Adjusted emergency brake handle retainer tension.															
Replaced two button snaps on the aisle runner at the aft position.															
Installed new tire p/n 178K43-1 s/n 43451004 on wheel assembly p/n 5004913-3 s/n OCT87-1708 and installed in the #1 position.															
Installed new tire p/n 178K43-1 s/n 43451003 on wheel assembly p/n 5004913-3 s/n JUL87-1275 and installed in the #2 position.															
Installed new tire p/n 178K43-1 s/n 43451001 on wheel assembly p/n 5004913-6 s/n APR98-3094 and installed in the #3 position.															
Installed new tire p/n 178K43-1 s/n 43450996 on wheel assembly p/n 5004913-6 s/n JUN98-3100 and installed in the #4 position.															
The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15295.															
Signature: Daniel B. Burger <i>Daniel B. Burger</i> Date: 2 February 2005 .															
Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport															

INDIANAPOLIS

DATE

FROM

TO

Jet Center

REV

TOTAL TIME

LINES

PILOTS

REMARKS

TIME

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2655.5

Total Landings: 2086

Registration Number: N45HG

Maintenance Performed: Repositioned R/H landing light. Tightened R/H inboard gear door to gear door actuator attach bracket screws. Lubricated all landing gear grease fittings. Serviced nose strut with nitrogen. Performed landing gear retraction/extension, no defects noted at this time.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15313

Signature: David L. Samples Jr.

David L. Samples Jr.

Date: Feb11, 2005

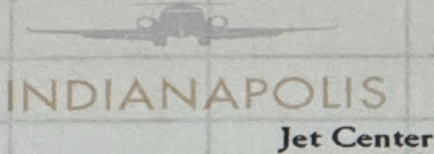
Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport

TOTAL

BROUGHT FORWARD

GRAND TOTAL

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
									
Manufacturer: Learjet			Model: 31a			Serial number: 140			
Total Hours: 2662.0			Total Cycles: 2094			Registration: N45HG			
Inspections Performed:									
150/300 hour thrust reverser inspection left and right.									
Learjet Phase A4, A5, A6, and B4 inspections.									
Raisbeck locker 300 hour inspection.									
F1223010			Emergency batteries operational check						
H2431017			Battery receptacle and cable inspection.						
L2431010			Starter brush wear inspection left and right.						
J2563001			Functional test of the ELT						
B2620005			Engine fire extinguisher pressure gage and plumbing check.						
K3411055			Pitot probe alignment check.						
K5313002			Pitot static probe zone skin contour check.						
Life Limited Parts Replacements:									
Replace the left pitot tube p/n 856NA1 s/n 170508 with a new unit s/n 227971.									
Replaced the right pitot tube p/n 856NA2 s/n 170515 with a new unit s/n 228138.									
						GRAND TOTAL			

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
Page 2 of 2 Maintenance Performed: Flushed and serviced gear struts. Adjusted the locker aft door light switch. Replaced #1 audio amplifier p/n 438-002 s/n 3004 with a repaired unit s/n 1258. Resealed two wing fuel panels. Replaced left wing spar five access panel p/n 12225-0009-10 gasket with new. Adjusted flap tracking to provide clearance between roller support and track.									
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. The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15310.									
Signature: Daniel B. Burger <i>Daniel B. Burger</i> Date: 24 February 2005 . Indianapolis Jet Center / CRS KKQR526K Indianapolis International Airport									
			TOTAL						
			BROUGHT FORWARD						
			GRAND TOTAL						

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
									
Manufacturer: Learjet			Model: 31a			Serial number: 140			
Total Hours: 2670.0			Total Landings: 2102			Registration: N45HG			
Maintenance Performed:									
Replaced the right trunnion switch p/n 1EN1-8 with new part.									
The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15357. Signature: Larry Patrick <u><i>Larry Patrick</i></u> Date: 11 March 2005 . Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport									
			TOTAL						
			BROUGHT FORWARD						
			GRAND TOTAL						

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
 INDIANAPOLIS Jet Center									
Manufacturer: Learjet			Model: 31A			Serial number: 140			
Total Hours: 2690.1			Total Cycles: 2115			Registration: N45HG			
Maintenance Performed: Replaced left engine starter indicator light bulb p/n 6838 with new bulb. Replaced autopilot #2 monitor box p/n 065-51046-01, s/n off 1932, s/n on 2033, with repaired unit. Installed new coaxial connector to HF coupler p/n 190304.									
The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15390.									
Signature: Larry Patrick Date: 3-26-2005									
Indianapolis Jet Center CRS KKQR526K									
							TOTAL		
							BROUGHT FORWARD		
							GRAND TOTAL		

Manufacturer: Learjet

Total Hours:2690.1

Model: 31A

Total Cycles:2115

Serial number: 140

Registration: N45HG

Maintenance Performed: Replaced left engine starter indicator light bulb p/n 6838 with new bulb. Replaced autopilot #2 monitor box p/n 065-51046-01, s/n off 1932, s/n on 2033, with repaired unit. Installed new coaxial connector to HF coupler p/n 190304.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15390.

Signature: Larry Patrick

Date:3-26-2005

Indianapolis Jet Center

CRS KKQR526K

TOTAL

BROUGHT FORWARD

GRAND TOTAL

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME		TOTAL TIME		LNDS	PILOTS	REMARKS
			HRS	MIN					
 INDIANAPOLIS Jet Center									
Manufacturer: Learjet Model: 31a Serial number: 140 Total Hours: 2750.6 Total Landings: 2164 Registration Number: N45HG									
Maintenance Performed: Replaced the cockpit blower pn EM608 s/n 3671 with an overhauled unit s/n 2784. Installed a new tire p/n 031-613-5 s/n 3221W00379 on wheel assembly p/n 9544207-4 s/n OCT93-7504. <i>NOSE</i> Replaced the cockpit blower switch p/n A43S300 with new.									
The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15459.									
Signature: Daniel B. Burger <i>Daniel B. Burger</i> Date: 5 May 2005 Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport									
							TOTAL		
							BROUGHT FORWARD		
							GRAND TOTAL		

INDIANAPOLIS

Jet Center

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2770.2

Total Landings: 2186

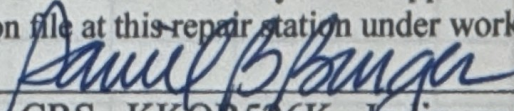
Registration Number: N45HG

Maintenance Performed:

Replaced the left main battery p/n G-6381E s/n G02081733 with a new unit s/n G02180579.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15516.

Signature: Daniel B. Burger



Date: 1 June 2005

Indianapolis Jet Center / CRS KKQR526K Indianapolis International Airport

N45HG - SUPPLEMENT TO THE LOG BOOK ENTRY DATED 5 July 2005

TTA: 2790.9 Total Landings: 2210

The following inspection/checks were accomplished at the time the left and right engines were removed for MPI.

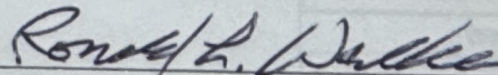
E7120024

Check engine mount castings for corrosion and cracks. Check engine mount attachments for security and general condition.

J5450043 Pylon/Engine Beam Structure

Details are on file at this repair station under work order number IJC-15542.

Signature:



Ronald L. Walker

Indianapolis Jet Center, Inc. FAA CRS KKQR526K Indianapolis International Airport

INDIANAPOLIS
Jet Cen

continued $\rightarrow$

FLIGHT TIME LOG

DATE	FROM	TO	FLT TIME	TOTAL TIME	UNDS	PILOTS	REMARKS	STATUS
Life Limited Items Changed: Replaced the left and right lower forward mount housings p/n LM833-2 with new. Replaced the left forward upper mount isolator p/n LM833-1.								
Service Bulletin Compliance: SB31-21-8R1 Installation of the cooling system compressor hour meter.								
Maintenance Performed: Both engines were removed for MPI . Engines were re-installed and post MPI checks were performed. Cooling compressor motor p/n 55-8-1 s/n 8S was repaired with new brushes and turned commutator by CRS UP2R222L. Replaced the right strobe power supply p/n 61-2008 s/n 16495C with a repaired unit s/n 10442C. Navigation receivers p/n 066-1101-50; (#1) s/n 10793 and (#2) s/n 10814 were repaired by CRS JGVR194F and re-installed. Disassembled the nose strut p/n 2342100-15 s/n 2143. The piston p/n 2342104-3 was replaced in the fork assembly by CRS JGVR194F. The cam follower p/n 2342106-3 was replaced with new and the strut was reassembled with new seals (kit 2394205-003). The power monitor panel p/n 11003-003 s/n 85484 was repaired by CRS GR3R537L. Replaced bolts p/n 2651026-4 and nuts p/n FN1216-1018 for the right main engine mount.								
				TOTAL	Continued →			
				GRAND TOTAL				

MAINTENANCE RECORD

Replaced the doubler p/n 2831106 aft of the recognition light.
 Replaced rivets at the pylon trailing edges left and right.
 Replaced the right engine rear mount close out fairing hinge p/n 4950015-17 and pin p/n 4950015-22 with new.
 By-pass duct p/n 4950008-70 was weld repaired by CRS JK5R965M.
 Installed seven chafe pads p/n 4950008-71 on each bypass duct assembly.
 Replaced the seals p/n S61031-214 in left and right nacelle heat "S" ducts.
 Replaced the seals p/n W932-20B in left and right pylon bleed air ducts.
 Adjusted left #1 aft facing seat for proper locking.
 Transponder output has been strapped to match the registration number.
 Disassembled, cleaned and reassembled the oxygen system capillary line union near the bottle.
 Replaced one cam-loc p/n 40S45-6 on the left engine top by-pass duct sheet metal.
 Installed a new com-loc p/n 40S45-6 on the left lower pylon.
 Repainted radome and applied new erosion boot p/n 7600842-002.
 Re-touched the black paint on the engine inlets.

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. The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15542.

Signature: Daniel B. Burger

Date: 5 July 2005

Indianapolis Jet Center CRS KKQR526K Indianapolis International Airport

LICENSE
NUMBER

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	Manufacturer: Learjet Model: 31a Serial number: 140 Total Hours: 2795.8 Total Landings: 2213 Registration Number: N45HG Maintenance Performed: Performed travel and centering adjustments to the nose wheel steering computer. Replaced the #2 auto pilot monitor box p/n 065-51046-01 s/n 2033 with a repaired unit s/n 1932 The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15579. Signature: David L. Samples Jr. <u><i>David L. Samples Jr.</i></u> Date: 8 July 2005 Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K Indianapolis International Airport		

INDIANAPOLIS

Jet Center

MAINTENANCE RECORD

LICENSE
NUMBER

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2829.2

Total Landings: 2250

Registration Number: N45HG

Maintenance Performed:

Replaced brake assembly p/n 5003096-6 s/n MAR84-905 with an overhauled unit s/n NOV77-939 and installed it in #1 position.

Replaced brake assembly p/n 5003096-6 s/n MAY99-5094 with an overhauled unit s/n JUL75-983 and installed it in #2 position.

Replaced brake assembly p/n 5003096-6 s/n JAN80-2060 with an overhauled unit s/n NOV78-1570 and installed it in #3 position.

Replaced brake assembly p/n 5003096-6 s/n SEP85-392 with an overhauled unit s/n NOV90-2912 and installed it in #4 position.

Replaced the tire p/n 178K43-1 with new s/n 50570988 on wheel assembly p/n 5004913-3 s/n OCT87-1708 and installed it in the #1 position.

Replaced the tire p/n 178K43-1 with new s/n 50251016 on wheel assembly p/n 5004913-3 s/n JUL87-1275 and installed it in the #2 position.

Replaced the tire p/n 178K43-1 with new s/n 50570999 on wheel assembly p/n 5004913-3 s/n APR98-3094 and installed it in the #3 position.

Replaced the tire p/n 178K43-1 with new s/n 50580512 on wheel assembly p/n 5004913-3 s/n JUN98-3100 and installed it in the #4 position.

Serviced the oxygen bottle.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15619.

Signature: Daniel B. Burger *Daniel B. Burger* Date: 8 August 2005

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

INDIANAPOLIS

Jet Center

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2856.9

Total Landings: 2272

Registration Number: N45HG

Maintenance Performed:

Secured the cockpit blower fairing for conditioned air cooling efficiency per 21-50-00.

Replaced a right delta fin static wick p/n 16606 with new.

Replaced the top beacon bulb p/n 34-0226010-91 with new per 33-40-03.

Service:

Serviced the oxygen cylinder per 12-10-09.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15703.

Signature: Daniel B. Burger

Daniel B. Burger

Date: 9 September 2005

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

INDIANAPOLIS

Jet Center

Manufacturer: Learjet Model: 31a Serial number: 140
Total Hours: 2936.1 Total Landings: 2331 Registration Number: N45HG

Airworthiness Directive Completion:

AD 2005-13-36 Cable change 8/12/04 constitutes terminating action for this AD.

Inspections Performed:

150, 300 and 600 hour inspections of the left and right thrust reversers.
The yearly inspection of the Raisbeck aft fuselage locker.
Learjet 31a Phase A4, A5, A6, B5 and B6 airframe inspections.

Inspection Items Due at Other Intervals:

G1222002	Lead acid battery service.
F1223010	Operational check of the emergency power supplies.
D1223015	Discharge check of the emergency power supplies (s/ns1339 and 1565).
H2431017	Battery connector inspection.
B2620005	Inspection of the fire ext. pressure gages and plumbing.
B2620010	Weight check of the fire extinguishers and f/t of the extinguishing system.

MAINTENANCE RECORD

Life Limited Items Changed:

- E2620040 All engine fire extinguisher cartridges-replaced with HTL units-mfg.10/04
- G3210003 Non Teflon steel braided landing gear hydraulic hoses attached to the main and nose gear actuators, door and uplatch actuators.

Serialized Part Replacement:

Replaced the air conditioning compressor assembly p/n 2519274-4 s/n 329274 with a new unit s/n 484277.

Replaced tire p/n178K43-1 with a new unit s/n 43451005 on wheel assembly p/n 6600330-16 s/nAPR98-3094 and installed in the right inboard position.

Replaced the right main battery p/n G-6381E with a new unit s/n G02228739.

Other Part Replacement:

Replaced the receiver/dryer p/n 7600805-1 with a new unit.

Replaced the tail navigation light bulbs p/n 1683 with new.

Replaced two delta fin static wicks p/n 16606 with new.

Replaced the lower entrance door aft cable p/n 2411660-29 with new.

Replaced the right flap well to aileron close out rib p/n 2322510-276 with new.

Replaced two battery packs p/n 549-1324-06 with new in emergency power supply p/n 501-1712-02 s/n 1565.

Repairs:

Secured EMER BAT 1, L INV, R INV and WING/STAB HEAT switches in the cockpit panel.

MAINTENANCE RECORD

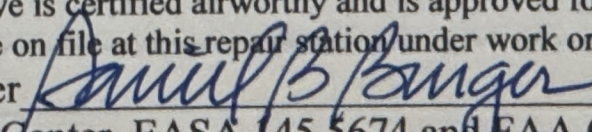
Replaced loose rivets on the right fuselage to wing aft fairing.
 Trimmed left and right flaps lower inboard fairings for clearance.
 Trimmed skin crack from the right flap inboard track cut out skin edge.
 Replaced the six fretting rivets on the right delta fin trailing edge.
 Replaced the loose and missing sealant between the leading edge skin sections of both wings with new.
 Re-clamped the emergency gear extension tube in the left wheel well for clearance.
 Adjusted the seat storage door latch on the #1 right aft facing seat.

Service:

Flushed and serviced main and nose gear struts.

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.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15783.

Signature: Daniel B. Burger  Date: 11 November 2005

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

DATE		MECHANICS	LICENSE
INDIANAPOLIS Jet Center			
Manufacturer: Learjet	Model: 31a	Serial number: 140	
Total Hours: 2964.8	Total Landings: 2360	Registration Number: N45HG	
Inspections Performed:			
The #1 and #2 ADC systems have been tested to 51000 feet as required by FAR 91.411 and been found to meet the standards of FAR 43 appendix E and RVSM tolerances. The stand-by altimeter system has been tested as required by FAR 91.411 and found to meet the standards of FAR part 43 appendix E. The #1 and #2 transponder systems have been tested as required by FAR 91.413 and been found to meet the standards of FAR 43 appendix F.			
Maintenance Performed:			
Replaced the stand-by altimeter p/n 8047-700-53 s/n 8037B with an overhauled unit s/n 8246B. Serviced the oxygen bottle. Adjusted the lower cabin door cable. Down loaded the engine DEEC faults and cleared the fault memory. The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15852.			
Signature: Daniel B. Burger		Date: 14 December 2005	
Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K			
Indianapolis International Airport			

MAINTENANCE RECORD

INDIANAPOLIS

Jet Center

INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS

MAINTENANCE
SIGNATURE

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Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2966.7

Total Landings: 2362

Registration Number: N45HG

Maintenance Performed:

Replaced the #2 audio amplifier p/n 438-002 s/n 1258 with a repaired unit s/n 1362.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15852.

Signature: Daniel B. Burger

Date: 16 December 2005

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

INDIANAPOLIS

Jet Center

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 2975.3

Total Landings: 2370

Registration Number: N45HG

Maintenance Performed:

Replaced the lower door cable reel assembly p/n 2511279-4 with new.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15870.

Signature: Daniel B. Burger

Date: 27 December 2005

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

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MAINTENANCE RECORD

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
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INDIANAPOLIS

Jet Center

Manufacturer: Learjet

Model: 31

Serial number: 140

Total Hours: 3045.1

Total Landings: 2427

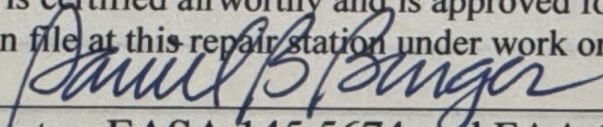
Registration Number: N45HG

Maintenance Performed:

Serialized Parts:

Replaced the pilot's force sensor p/n 6608498-1 s/n 349 with a new unit s/n 1269.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-15975.

Signature: Daniel B. Burger  Date: 21 February 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

INDIANAPOLIS

Jet Center

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Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3076.3

Total Landings: 2449

Registration Number: N45HG

Maintenance Performed:

Removed and reinstalled main wheel assemblies for tire change. Disassembled, cleaned and visually inspected wheel assemblies and bearings. C/w eddy current inspection of wheel assemblies. Repacked bearings.

Serialized parts:

Replaced the tire p/n 178K43-1 with new s/n 53120799 on wheel assembly p/n 5004913-3 s/n OCT87-1708 and installed it in the #1 position.

Replaced the tire p/n 178K43-1 with new s/n 53200787 on wheel assembly p/n 5004913-3 s/n JUL87-1275 and installed it in the #2 position.

Replaced the tire p/n 178K43-1 with new s/n 53260279 on wheel assembly p/n 5004913-3 s/n APR98-3094 and installed it in the #3 position.

Replaced the tire p/n 178K43-1 with new s/n 53120786 on wheel assembly p/n 5004913-3 s/n JUN98-3100 and installed it in the #4 position.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-16029

Signature: Ronald L. Walker Ronald L. Walker Date: March 16, 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

Manufacturer: Learjet

Model: 31a

Serial number: 140

Total Hours: 3102.9

Total Landings: 2476

Registration Number: N45HG

Airworthiness Directive Completion:

AD 74-08-09 R2 – Transport category airplanes – Inspected the lavatory paper and linen waste receptacles access doors and disposal doors. No defects noted. Next due at or before 4102.9 flight hours. (This requirement is included in Learjet Phase B2 inspection)

Inspections Performed:

Phase A1 thru A3 (300-hour/12-month interval)

Phase B1 and B2 (600-hour/24-month interval)

Phase D2 (2400-hour/96-month interval)

Thrust Reversers 150-hour

Raisbeck Locker 300-hour and 600-hour

MAINTENANCE RECORD

DATE

Other Parts:

- Replaced latch and button on CD player cabinet with new latch p/n A30007-1-13 and button p/n M3013008-6.
- Replaced both tail navigation light bulbs with new p/n 1683.
- Replaced both windshield ice detect light bulbs with new p/n 6839.
- Replaced forward passenger oxygen mask with new p/n 289-601-228.

Service:

Serviced hydraulic accumulator pressure to proper pressure.

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.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-16034.

Signature: Ronald L. Walker Ronald L. Walker Date: April 12, 2006
Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K
Indianapolis International Airport

MAINTENANCE RECORD

INDIANAPOLIS

Jet Center

INSPECTION - MAINTENANCE - REPAIRS - ALTERATIONS

MECHANIC'S
SIGNATURE

LICENSE
NUMBER

Manufacturer: Learjet

Model: 31

Serial number: 140

Total Hours: 3106.2

Total Landings: 2481

Registration Number: N45HG

Trouble shot cabin blower system. Fuse F1 on the cabin blower control box E106 printed circuit board is open. Replaced PC board (PCB 1) with new p/n 2618253-1.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-16073.

Signature: Ronald L. Walker *Ronald L. Walker*

Date: April 18, 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

INDIANAPOLIS

Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3133.6

Total Landings: 2502

Registration Number: N45HG

-Removed and installed left fuselage tank fuel cell repaired by Eagle Fuel Cells-Etc, Inc. CRS NL5R071N.

P/N 6600316-15 S/N 72832

-Removed and installed right fuselage tank fuel cell repaired by Eagle Fuel Cells-Etc, Inc. CRS NL5R071N.

P/N 6600316-16 S/N 72833

-Replaced right windshield with a new windshield p/n 6600393-004.

OFF: S/N 1072 ON: S/N 1746

-Cabin leak rate was 108.60 SCFM.

-Replaced cabin blower speed control rheostat with new p/n A43S300FK51/2.

This aircraft was repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number IJC-16063.

Signature: Ronald L. Walker Ronald L. Walker Date: May 23, 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

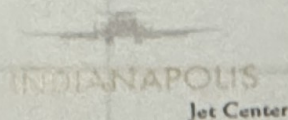
Indianapolis International Airport

DATE

DEFECTS - MAINTENANCE - REPAIRS - ALTERATIONS

REMARKS

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Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3190.8

Total Landings: 2552

Registration Number: N45HG

Maintenance Performed:

Serialized Parts:

-Replaced the pitch trim speed controller with a controller repaired by Western Sky Industries, Inc. d/b/a Electromech Technologies CRS PX2R099L.

OFF: P/N 6608444-11 S/N 287

ON: P/N 6608444-11 S/N 202

-Installed a new tire p/n 031-613-5 s/n 4203W00139 on wheel assembly p/n 9544207-4 s/n OCT93-7504. Complied with eddy current inspection of the bead seat radius and leak check after new tire installed. Cleaned and repacked wheel bearings.



July 7, 2006

Page 1 of 2

-Replaced brake assemblies with assemblies overhauled by Aircraft Specialties, Inc. CRS VT2R252L as follows;

POSITION	PART NUMBER	SERIAL NO. OFF	SERIAL NO. ON
#1 (LOB)	5003096-6	NOV77-939	MAY80-2311
#2 (LIB)	5003096-6	JUL75-983	MAR80-2160

-Replaced brake assemblies with assemblies overhauled by Aviall Wheel and Brake Services CRS XVLR346L as follows;

#3 (RIB)	5003096-6	NOV78-1570	FEB77-513
#4 (ROB)	5003096-6	NOV90-2912	JAN01-5756

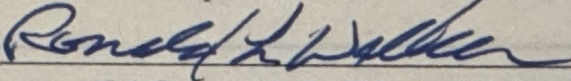
Bled all brake assemblies. Complied with anti-skid check and leak check.

Other Parts:

Replaced relay K611 with a new relay p/n 2398006-801.

This aircraft was repaired in accordance with the manufactures maintenance manuals.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number IJC-16187

Signature: Ronald L. Walker  Date: July 7, 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

July 7, 2006

MAINTENANCE RECORD

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
7/14/2006	ACTT 3192.2 hrs Replaced COMM control display CD 402B P/N 071-1341-07 with repaired unit by CRS WTLR1060. off: S/N 5919 ON: 4566. Operational Check Satisfactory	<i>James G. Carlson</i> AEP 315580349	
7/17/2006	ACTT 3195.3 2557 Ldgs. Replaced NAV Control display CD 412B P/N 071-1343-08 with repaired unit by CRS WTLR1060. off: S/N 5139 ON: SN 3935. Operational check Satisfactory	<i>James G. Carlson</i> AEP 315580369	

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3238.0

Total Landings: 2601

Registration Number: N45HG

Installed two new temperature sensing elements p/n 6600395-1 on the left windshield.

Ref. LJ 31 MM Ch. 30-44. Functional test satisfactory.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number IJC-16300.

Signature: Ronald L. Walker *Ronald L. Walker* Date: September 8, 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

September 25, 2006

31-140

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3257.6

Total Landings: 2617

Registration Number: N45HG

Airworthiness Directives: *(The following do not apply. Equipment not installed)*

2003-26-14 – Kidde hand held fire extinguisher

2004-08-16 – Narco Avionics Inc. Transponders

2004-13-20 – Garmin AT Apollo GX50 GPS

2005-01-19 – Garmin GTX330 Transponders

2006-16-18 – Sandel Model ST3400 TAWS/RMI

Inspections Performed:

Phase A4, A5, A6 (300-hour/12-month interval)

Phase B4 (600-hour/24-month interval)

Phase C4 (1200-hour/48-month interval)

Thrust Reversers 150 hour and 300 hour inspection on left and right.

MAINTENANCE RECORD

DATE September 25, 2006

31-140

Inspection/Checks due at Other Intervals Performed:

F1223010 – Operational checked both emergency power supplies (PS855)

B2620005 – Inspection/check both engine fire extinguisher gage pressures and plumbing

B2432010 – Battery installation inspection

G1222002 – Capacity checked both main batteries p/n G-6381E. Left s/n G02180579, right s/n G02228739. Repetitive check. Next due in 200 flight hours or 3 months which ever occurs first. Serviced the sump jar.

RVSM Inspection Performed:

K3411055 – Verify pitch, roll, and yaw alignment of the primary pitot-static probes

K5313002 – Pitot-static probe zone skin contour check of the forward fuselage skin

Service Bulletins Performed:

31-27-20 R2 – Inspection/installation of flap structure components. Installed Kit

#2381000-819 - RH outboard flap roller rib and nose roller support rib only.

September 25, 2006

31-140

Maintenance Performed:

Serialized Parts:

-Removed and installed the following wheels for tire change;

Position	Wheel p/n	Wheel s/n	Tire p/n	Tire s/n off	Tire s/n on
#1 LOB	5004913-3	OCT87-1708	178K43-1	53120799	60580707
#2 LIB	5004913-3	JUL87-1275	178K43-1	53200787	60560730
#3 RIB	5004913-6	APR98-3094	178K43-1	53260279	53150808
#4 ROB	5004913-6	JUN98-3100	178K43-1	53120786	60560734

Cleaned, inspected c/w eddy current inspection of wheels and repacked bearings. All tires are new. Complied with 12 hour leak check.

Other Parts:

- Replaced the recognition light bulb with new p/n AKQ4681.
- Replaced the left landing light bulb with new p/n AKQ4681.
- Replaced right flap middle and outboard bonding jumper with new p/n's MS25083-2BB7 and MS25083-2BB23.
- Replaced all flap cables with new. 1 ea. of p/n's 2300003-151, -152, -155, and -156.
- Replaced left and right spoiler center hinge bushings with new p/n AA401-12.

MAINTENANCE RECORD

September 25, 2006

31-140

Repairs:

- Removed the left spoiler actuator p/n 2417015-5, s/n 1359. Disassembled, cleaned, inspected and resealed using a new Repair Kit p/n 2392254-1. Reinstalled using a new forward attach bolt p/n BACB30UU4-10D. Leak and operational checked satisfactory.
- Re-set left and right aileron wing cables to correct tension.
- Re-torqued right inboard gear door actuator attachment hardware on the door.

Service:

- Serviced oxygen system to 1850 psi with Aviators Breathing Oxygen.
- Serviced the emergency air system to 3000 psi with nitrogen.
- Flushed and serviced both main gear struts with hydraulic fluid and nitrogen.

All systems interrupted have been tested and/or leak checked as necessary. Details are on file at this Repair Station under work order number IJC-16300.

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.

Learjet Phase A4, A5, A6, B4 and C4 Inspections

Signature: Ronald L. Walker Ronald L. Walker - Date: September 25, 2006

Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	INDIANAPOLIS Jet Center		
	Manufacturer: Learjet Model: 31A Serial number: 140		
	Total Hours: 3337.9 Total Landings: 2687 Registration Number: N45HG		
	-Replaced hydraulic system pressure switch with a new switch.		
	OFF: P/N 730626 S/N F-798		
	ON: P/N 730626 S/N F-1436		
	-Replaced the radar ART 2000 with a unit inspected by Honeywell International, Inc.		
	CRS PR2R093L.		
	OFF: P/N 071-01519-0101 S/N 4481		
	ON: P/N 071-01519-0101 S/N 8696		
	Complied with Learjet SB 31-34-10 — Modification of the ART 2000 Weather Radar.		
	All systems interrupted have been tested and/or leak checked as necessary.		
	The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1047.		
	Signature: <u>Ronald L. Walker</u> Ronald L. Walker - Date: Dec. 5, 2006		
	Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K		
	Indianapolis International Airport		

DA

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3365.5

Total Landings: 2714

Registration Number: N45HG

Serviced all tires with nitrogen.

Serviced main gear struts with nitrogen.

Serviced oxygen system to 1850 psi with aviators breathing oxygen.

Serviced emergency air system to 3000 psi with nitrogen.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1145.

Signature: Ronald L. Walker Ronald L. Walker - Date: Jan. 26, 2007

Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K

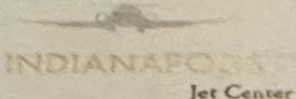
Indianapolis International Airport

LICENSE
NUMBER

1/30/07 ACTT 3377.0 2728 cycles Replaced Comm Control Display
CD 402B P/N 071-1341-07 with repaired unit by CRSW7LR1060
off: 4566 ON: S/N 5845 Operational / Check Satisfactory

James A. Calum
AEP 2201316

MAINTENANCE RECORD

DATE		LICENSE NUMBER
	February 15, 2007	31A-140
	 INDIANAPOLIS Jet Center Manufacturer: Learjet Model: 31A Serial number: 140 Total Hours: 3384.0 Total Landings: 2733 Registration Number: N45HG Inspections Performed: Phase A1 thru A3 (300-hour/12-month interval) Phase B3 (600-hour/24-month interval) Dee Howard thrust reverser 150 hour inspection (both) Inspection/Checks due at Other Intervals Performed: <u>L5710035</u> – Visual inspection of inboard dry bay of wing adjacent to fuselage and forward of spar 2 <u>L5210025</u> – Visual inspection of exterior lower cabin door structure, fuselage door cut-out framing members, and hinge area <u>F1223010</u> – Operational check PS855 emergency power supplies <u>D1223015</u> – Discharge/recharge both PS855 emergency power supplies p/n 501-1712-02, s/n's 1339 and 1565 <u>G1222001</u> – Top charged, liquid level check, serviced sump jar and hydrometer tested both main batteries p/n G-6381E, s/n's G02180579 and G02228739 <u>H2431017</u> – Main battery cables, connectors and receptacles inspection	
	TTA: 3384.0 Ldgs: 2733	

MAINTENANCE RECORD

DATE	LICENSE NUMBER
February 15, 2007	31A-140
<u>B2432010</u> – Main battery installation and area	
<u>L2431010</u> – Starter/generator brush check (left s/n 99941, right 97048)	
<u>H2431011</u> – Starter/generators overhauled by Hoosier Aircraft Accessory, Inc. CRS	
UP2R222L. P/N 23080-023 (Lear p/n 6608458-2), s/n's 99941 and 97048.	
<u>B2620005</u> – Check engine fire extinguisher container pressure gage and plumbing	
<u>E2620010</u> – Weight check engine fire extinguishers	
<u>C2620025</u> – Hydrostatic test and overhaul complied with on both engine fire extinguishers by Shoreline Marine, Inc. dba Safetech CRS QLCR829X on 2/09/2007. P/N 30402102-1 S/N's 38323B1 and 38324B1	
<u>J2563001</u> – ELT functional test and inspection per FAR 91.207 (bat. exp. Nov 2008)	
<u>H2740021</u> – Horizontal stabilizer actuator inspection c/w by Bombardier Aerospace CRS	
LK2R981K. P/N 3135540-014 S/N 158	
<u>L2812010</u> – Inspect internal wing between WS 53 and 92.0 rib	
<u>L2812002</u> – Inspect internal wing at WS 213.602	
<u>L2812020</u> – Internal wing structure & flapper valves (WS 72 and 00.0)	
<u>N3411063</u> – Detailed inspection of pitot-static probes	
Raisbeck Aft Fuselage Stowage Locker Inspections Performed: 300 hour and yearly	
Service Bulletins Performed: <u>31-55-4</u> Improvement of horizontal stabilizer actuator access	
TTA: 3384.0 Ldgs: 2733	Page 2 of 4

MAINTENANCE RECORD

DATE		SENSE NUMBER
	February 15, 2007	31A-140
	Serialized Parts:	
	-Removed and reinstalled left AOA indicator p/n 6608208-9, s/n 322 used for one flight in	
	Learjet 31A-104.	
	-Replaced flap control valve with valve overhauled by Bombardier Aerospace CRS	
	LK2R981K.	
	OFF: P/N 6600362-1 S/N 693	
	ON: P/N 6600362-1 S/N 762	
	-Replaced horizontal stabilizer actuator with assembly overhauled by Bombardier Aerospace	
	CRS LK2R981K.	
	OFF: P/N 3135540-009 S/N 075	
	ON: P/N 3135540-014 S/N 158 (superseded p/n)	
	Other Parts:	
	-Replaced cabin door snubber top attach screw with new p/n NAS623-3-23 and nut p/n	
	MS20365-1032.	
	-Replaced right landing light lamp with new p/n Q4681.	
	-Replaced both tail nav light bulbs with new p/n 1683.	
	-Replaced radome erosion boot with new p/n 7600842-002.	
	-Replaced top left radome lighting diverter strip with new p/n LSDLCAJ-0240.	
	TTA: 3384.0 Ldgs: 2733	

MAINTENANCE RECORD

DATE

LICENSE
NUMBER

February 15, 2007

31A-140

Repairs:

-Cleaned and removed light corrosion from under left main battery tray. Treated and repainted with epoxy primer. Replaced battery vent tubes and elbow with new.

Service:

- Serviced oxygen system bottle with aviators breathing oxygen.
- Serviced emergency gear/brake air system cylinder with nitrogen.

Notes:

-Performed a visual with 10X magnifying glass and eddy current inspection on right #4 cabin window frame as requested. No crack indications noted.

All systems interrupted have been tested and/or leak checked as necessary. Details are on file at this Repair Station under work order number 1155.

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.

Signature: Ronald L. Walker Ronald L. Walker - Date: Feb. 15, 2007
Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K
Indianapolis International Airport

TTA: 3384.0 Ldgs: 2733

Page 4 of 4

DATE

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3395.4

Total Landings: 2742

Registration Number: N45HG

Serialized Parts:

Replaced left flap actuator with actuator overhauled by Bombardier Aerospace CRS
LK2R981K.

OFF: P/N 6600086-5 S/N 2074

ON: P/N 6600086-5 S/N 2121

Other Parts:

Replaced K704 relay for copilot avionics master with new p/n M83536/33-005L.

Service:

Serviced nose strut with nitrogen and fluid.

Serviced main struts with nitrogen and fluid.

All systems interrupted have been tested and/or leak checked as necessary.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1199.

Signature: Ronald L. Walker

Ronald L. Walker – Date: Feb. 26, 2007

Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
2/28/2007	ACTT 3399.5 cycles 2746 Replaced Comm Control Display		
	CD 402B P/N 071-1341-07 with repaired unit by		
	CRS WTLR 1060 work order 9864 off 5845 on 5828. Operational		
	check satisfactory		

James A. Carlson
AEP 2221314

MAINTENANCE RECORD

DATE

March 27, 2007

31A-140

LICENSE
NUMBER

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3421.0

Total Landings: 2742

Registration Number: N45HG

Removed and installed the following wheels for tire change;

Position	Wheel p/n	Wheel s/n	Tire p/n	Tire s/n off	Tire s/n on
#1 LOB	5004913-6	OCT87-1708	178K43-1	60580707	60710108
#2 LIB	5004913-6	JUL87-1275	178K43-1	60560730	53130790
#3 RIB	5004913-6	APR98-3094	178K43-1	53150808	60720714
#4 ROB	5004913-6	JUN98-3100	178K43-1	60560734	60720701

Cleaned, inspected c/w eddy current inspection of wheels and repacked bearings. All tires are new. Complied with 12 hour leak check.

Replaced the right circuit breaker aft electroluminescent overlay panel with a new panel.

OFF: P/N 7608042-006 S/N UNK

ON: P/N 7608042-006 S/N 1006

TTA: 3421.0 Ldgs.: 2742

Page 1 of 2

MAINTENANCE RECORD

DATE		SENSE NUMBER
	March 27, 2007	31A-140
	Replaced the emergency brake control valve with a valve overhauled by Bombardier	
	Aerospace CRS LK2R981K.	
	OFF: P/N 6600060-6 S/N 1362BC	
	ON: P/N 6600060-6 S/N 1384BC	
	Serviced both main gear struts with fluid and nitrogen.	
	Serviced emergency air system bottle to 3000 psi with nitrogen.	
	All systems interrupted have been tested and/or leak checked as necessary.	
	The maintenance described above is certified airworthy and is approved for return to service with respect	
	to the work performed. Details are on file at this Repair Station under work order number 1217.	
	Signature: <u>Ronald L. Walker</u> Ronald L. Walker – Date: March 27, 2007	
	Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K	
	Indianapolis International Airport	
	TTA: 3421.0 Ldgs.: 2742	Page 2 of 2

MAINTENANCE RECORD

SENSE
NUMBER

DATE



Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3460.5

Total Landings: 2786

Registration Number: N45HG

Replaced diode CR797 with a new diode p/n 1N1198A.

Replaced wire from diode CR797 to circuit breaker 46 SG2EHSI with new wire p/n M22759/8-12-9.

All systems interrupted have been tested and/or leak checked as necessary.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1284.

Signature: Ronald L. Walker Ronald L. Walker - Date: April 18, 2007

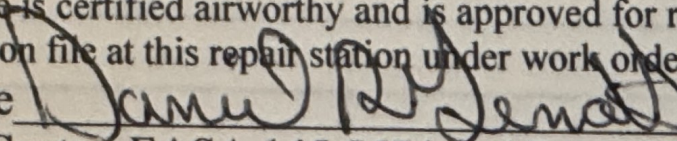
Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

MAINTENANCE RECORD

DATE		ENSE MBER
	 INDIANAPOLIS Jet Center	
	Manufacturer: Learjet Model: 31A Serial number: 31-140 Total Hours: 3507.1 Total Landings: 2818 Registration Number: N45HG	
	Maintenance Performed: Serialized Parts: Replaced the cabin temperature sensor blower with a new blower. OFF: P/N 6600231-1 S/N 4256 ON: P/N 6600231-1 S/N 6306	
	Other Parts: Replaced pilot seat height lock cable with new p/n 3A035-0311.	
	Service: Serviced oxygen system to 1850 psi with aviators breathing oxygen.	
	All systems interrupted have been tested and/or leak checked as necessary. The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1305.	
	Signature: <u>Ronald L. Walker</u> Ronald L. Walker – Date: May 5, 2007 Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K Indianapolis International Airport	

MAINTENANCE RECORD

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS	MECHANIC'S SIGNATURE	LICENSE NUMBER
	 INDIANAPOLIS Jet Center		
	Manufacturer: Learjet Model: 31 Serial number: 140 Total Hours: 3547.2 Total Landings: 2853 Registration Number: N45G		
	Maintenance Performed: Serialized Parts: Replaced Radar ART 2000 with a unit modified by Honeywell International INC. CRS # PR2R093L P/N off 071-01519-0101 S/N off 8696 P/N on 071-01519-0101 S/N on 10372		
	The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this repair station under work order number 1336.		
	Signature: Daniel R Genotte 	Date: June 7, 2007	
	Indianapolis Jet Center EASA 145.5674 and FAA CRS KKQR526K Indianapolis International Airport		

MAINTENANCE RECORD

DATE

July 11, 2007

REVISION — MAINTENANCE — REPAIRS — ALTERATIONS

MECHANIC'S
SIGNATURE

31-140

LICENSE
NUMBER

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3575.0

Total Landings: 2883

Registration Number: N45HG

Airworthiness Directives: *(The following do not apply)*

2006-19-04 Honeywell International, Inc. COM units *(Equipment not installed)*

2006-22-05 Honeywell Primus II RNZ-850/-851 Integrated Navigation Unit
(Equipment not installed)

2007-04-18 Modify standby fuel pump switches IAW SB 31-28-7 *(by aircraft serial number)*

Inspections Performed:

Phase A4, A5 and A6 (300-hour/12-month interval)

Phase B5 and B6 (600-hour/24-month interval)

Phase C5 and C6 (1200-hour/48-month interval)

Dee Howard Thrust Reversers (150, 300, 600 and 1200-hour)

TTA: 3575.0 Ldgs: 2883

Page 1 of 7

MAINTENANCE RECORD

July 11, 2007

31-140

Inspection/Checks due at Other Intervals Performed:

- | | |
|----------|--|
| H2750044 | Left and right flaps cam follower bearings detailed inspection |
| H5750046 | Left and right flaps track support fitting detailed inspection |
| H2130007 | Cabin pressurization leak rate check (satisfactory at 96.6 SCFM) |
| F1223010 | Operational check #1 and #2 emergency power supplies |
| F2565000 | CVR/ULB functional test and switch clean |
| B2620005 | Left and right engine fire extinguisher gage pressures and plumbing |
| C2561000 | Life vest inspection/recertification on the following; (p/n D21343-153, s/n's 632513, 632547, L796481, 623154, and p/n P0723E105P, s/n 447162 inspected by Shoreline Marine, Inc. dba Safetech CRS QLR829X in July 2007.) The following new vests were installed, p/n P01074-101, s/n's 071302, 071401, 071445, 071542 and 071546. (DOM July 2007) |
| G1222001 | Main battery check (top charge, liquid level check, service sump jar and hydrometer test both p/n G-6381E, s/n's G02302572 & G02228739) |
| B2432010 | Inspect main battery installation |

[REDACTED]

July 11, 2007

31-140

Life Limited Items Changed:

- | | |
|----------|--|
| E2710010 | Replaced left and right aileron drive yoke bolts with new p/n NAS6204-38D. |
| E2710014 | Replaced left and right aileron center hinge bolts with new p/n AN4H-13A. |
| E2750002 | Replaced left and right flaps nose roller bushings with new p/n's NAS76A4-020 & -021. |
| G7110021 | Replaced fuel hoses in the left and right nacelle areas with new p/n's 2406005-23, 25, -26 and -28. |
| G7110022 | Replaced hydraulic hoses in the left and right engine nacelle areas with new p/n's 2406005-4, -5, -16 and -29. |
| G3243040 | Replaced hydraulic brake hoses with new p/n's 2307006-35, -37, -112 & -113. |

Maintenance Performed:

Evacuated Freon air conditioning system and verified no leaks. Serviced with 2.9 lbs. R-12 Freon.

Adjusted roll servo slip clutch to proper torque.

Lubricated cabin door pins.

July 11, 2007

Serialized Parts:

Replaced the following life vests with new vests. (DOM June 2007)

OFF: P/N D21343-153 S/N's 584025, 636299, 629976, 636294 & 616914

ON: P/N P01074-101 S/N's 071302, 071401, 071445, 071542 & 071546

Replaced the emergency exit door window with a new window.

OFF: P/N not legible S/N not legible

ON: P/N LA6600115-20 S/N 6502

Replaced the left main battery with a new battery.

OFF: P/N G6381E S/N G02180579

ON: P/N G6381E S/N G02302572

Replaced left engine N2 indicator with an indicator overhauled by Sims Aviation, Inc.
CRS JZJR202L.

OFF: P/N 131348-3 S/N 37-B0100

ON: P/N 131348-3 S/N 61-1268

July 11, 2007

31-140

Removed and installed the following wheels for tire change;

Position	Wheel p/n	Wheel s/n	Tire p/n	Tire s/n off	Tire s/n on
Nose	9544207-4	OCT93-7504	184F10-2	4203W00139	70900532
#1 LOB	5004913-3	OCT87-1708	178K43-1	60710108	60400706
#2 LIB	5004913-3	JUL87-1275	178K43-1	53130790	70580899
#3 RIB	5004913-6	APR98-3094	178K43-1	60720714	70480907
#4 ROB	5004913-6	JUN98-3100	178K43-1	60720701	70480888

Cleaned, inspected c/w eddy current inspection of wheels and repacked bearings. All tires are new. Complied with 12 hour leak check.

Replaced brake assemblies with assemblies overhauled by Aviall Wheel and Brake Services CRS XVL346L.

POSITION	PART NUMBER	SERIAL NO. OFF	SERIAL NO. ON
#1 (LOB)	5003096-6	MAY80-2311	MAY99-5085
#2 (LIB)	5003096-6	MAR80-2160	MAY98-4719
#3 (RIB)	5003096-6	FEB77-513	MAY81-394
#4 (ROB)	5003096-6	JAN01-5756	SEP77-859

Bled all brake assemblies. Complied with anti-skid check and leak check.

July 11, 2007

31-140

Other Parts:

Replaced the left flap inboard bond jumper with new p/n MS25083-2BB8.

Replaced the rudder lower bond jumper with new p/n MS25083-2BB6.

Replaced the lower cabin door aft support cable with new p/n 2411660-29.

Replaced the left and right aileron drive yoke bearings with new p/n MS27644-4.

Replaced the right thrust reverser outboard aft fairing attach bracket with new p/n 4954138-5.

Replaced flap potentiometer with new p/n RV4SAYSD102A.

Replaced the right landing/taxi light bulb with new p/n GE4580.

Repairs:

Sealed pressurization leaks at the aft right baggage beams, forward left windshield bolts and right feed thru box on the aft pressure bulkhead.

Resealed right wing fuel panel 620HB and left wing fuel panel 520DB.

Removed radome boot. Prepped, primed and top coated with JetGlo Matterhorn White. Repainted stripes. Installed new erosion boot p/n 7600842-002.

Repaired leading edges of both horse collars and repainted.

Resealed left spoiler actuator p/n 2417015-5, s/n 1359.

Adjusted left flap actuator rod end and rigged flap system.

July 11, 2007

31-140

Minor Alterations Completed:

Replaced one life vest closeout cover under a cabin seat using new Teklam p/n NE2G1-02-250A STND162990 0.060 in. thick Haircell covered with Spinneybeck leather 4014FE106994FT.

The materials used have been tested as required by FAR 25.853(a) and found to meet the standards of FAR 25 Appendix F Part I (a)(1)(ii).

All systems interrupted have been tested and/or leak checked as necessary. Details are on file at this Repair Station under work order number 1332.

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.

Signature: Ronald L. Walker Ronald L. Walker – Date: July 11, 2007
Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K
Indianapolis International Airport

CHECK OFF

INSTALL R

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3603.8

Total Landings: 2905

Registration Number: N95HG

Changed registration number on both sides of the vertical stabilizer from N45HG to N95HG. Restrapped transponders.

Serviced nose strut with hydraulic fluid and nitrogen.

All systems interrupted have been tested and/or leak checked as necessary.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1458.

Signature: Ronald L. Walker Ronald L. Walker – Date: August 15, 2007

Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

CHECK ✓

INSTALL

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3647.2

Total Landings: 2938

Registration Number: N95HG

Replaced #2 main battery with a new battery.

OFF: P/N G-6381E S/N G02228739

ON: P/N G-6381E S/N G02228768

All systems interrupted have been tested and/or leak checked as necessary.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1509.

Signature: Ronald L. Walker Ronald L. Walker – Date: Aug. 28, 2007

Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

9/15/2007 ACTT 3650.6 Total Landings 2943

Replaced turbine speed N2 Indicator P/N 131348-3
with "Repaired" unit from Sims Aviation Inc CRS JZJR 202L.
S/N off 61-1268 ON 67-656. Operational Check satisfactory

J. Calum AEP 2221316

CHECK

INSTALL

INDIANAPOLIS
Jet Center

Manufacturer: Learjet

Model: 31A

Serial number: 140

Total Hours: 3695.5

Total Landings: 2978

Registration Number: N95HG

Replaced the right nacelle heat valve s/n 27241302-01, s/n 3AN7 with valve p/n 27241302-01, s/n 11AD45 overhauled by Parker Hannifin CRS H05R916M.

All systems interrupted have been tested and/or leak checked as necessary.

The maintenance described above is certified airworthy and is approved for return to service with respect to the work performed. Details are on file at this Repair Station under work order number 1602.

Signature: Ronald L. Walker

Ronald L. Walker – Date: Oct. 26, 2007

Indianapolis Jet Center, Inc. EASA 145.5674 and FAA CRS KKQR526K

Indianapolis International Airport

June 9, 2008

During Ground Maintenance checks found Cockpit Blower Noisy.

Removed and inspected cockpit blower (B68) part # EM608 s/n 4445. Found Blower to be Defective.
Installed new blower part # EM608 s/n 1951 supplied by March Aviation. 8130 attached.

All work performed by Learjet Maintenance Manual chapter 21-21-02.

Mark T Kline
IA 571061331

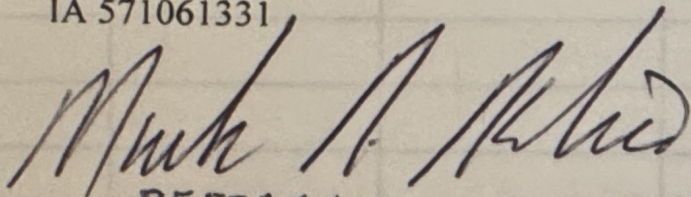
Mark A. Kline

REFERENCE TO LOG # 5

Copied & Transferred to AF Logbook # 5

E70 AP2780536 01/22/09

THE UNIVERSITY OF CHICAGO

CHECK ONE		PART NAME	PART NUMBER	SERIAL NUMBER	TOTAL HRS		REMARKS
INSTALL	REMOVE				SINCE NEW	SINCE O/H	
June 9 , 2008							
#2 AVOX EROS Mask due overhaul.							
Removed #2 EROS Mask s/n 84483 , Installed Overhauled EROS Mask s/n 66962 supplied by March Aviation. 8130 attached.							
All work performed in accordance with Learjet Maintenance Manual chapter 35-10-01 Paragraphs (a & b).							
Performed operational check of newly installed EROS Mask in accordance with Learjet Maintenance Manual chapter 35-00-00.							
Mark T Kline IA 571061331							
 REFERENCE TO LOG #5							
Copied and Transferred to AFLogbook #5 Ego AP2780536 01/22/09							

[illegible]

DATE

MEMORANDA



470North 2400West
Salt Lake City, UT

AIRFRAME LOG ENTRY

N977JP

Model: Learjet/31A Serial No:140

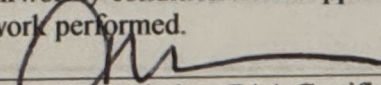
A/C Total Time: 3888.7

A/C Landings: 3155

Complied with the following maintenance:

-Remove emergency air bottle assembly p/n 23700146 s/n 602. Bottle proof tested (hydro) , penetrant and visual inspection and overhaul performed by TAVCO inc., CRS# OJVR753L, job # CSO7285, w/o# 66845. Re-install same referenced bottle after work performed. Service w/ nitrogen and perform leak check.

The aircraft identified above was inspected and / or repaired in accordance with the Federal Aviation Regulations and has been determined to be in airworthy condition and is approved for return to service with regard to the work performed.


For D&D Aviation, FAA Certificate, A&P 558651405

Date 12/12/08

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DATE

MEMORANDA

End Airframe Logbook #4
E.F. O'Neill AP 2780536 07/22/09

