

Raytheon Aircraft Service

AIRFRAME LOG ENTRY

REG #	N190RS	MFG	Beech	MODEL	58	SN:	TH-804
WO#	17418	A/C TT	4307.9	HR METER	4307.9	TOT LAND	
DATE	8/25/99						

1. Performed an annual inspection using checklist provided in Barron 58 Shop Manual p/n 55-590000-13E16
2. **Removed left engine alternator and gasket. Reinstalled original alternator with new gasket. Leak and ops check good.**
3. Installed new cooling boots on both left and right alternator P/N LOT-6A10.
4. Removed RH alternator p/n ALT 9422 s/n A110270, installed overhauled alternator p/n ALT 9422EX s/n 9071356. Operational and leak check good.
5. Removed ELT, installed new battery p/n 00-60-13, due Oct 2001. Performed ELT inspection and ops checks IAW FAR 91.207 D items 1-4.
6. Checked and adjusted flap and aileron rigging to correct LH wing heavy.
7. Checked all flight control cable tensions, all in mid range as per m/m.
8. Installed new left canvas flap cover P/N 35-115264-12.
9. Removed worn bolts from LH elevator trim tab to actuator linkage. Installed new p/n NAS 464P4-6 Bolt with new p/n 10540X-2M0290 bushing in the forward position and new p/n NAS 464P4-8 bolt with new p/n 10540X-2M0290 in the aft position. Operational check normal.
10. Installed new LH and RH fuel vent heaters P/N 60-381002. Op's check good.
11. Removed worn fuel tank interconnect rubber hoses from L&R wing tips. Installed new p/n 2F1-3-41366 fuel hoses between each main and wing tip tank. Leak check good.
12. Installed new o-rings on all four fuel caps.
13. Installed new boots on each main gear actuator rod P/N 002-400001-129.
14. Repaired looseness in nose gear torque link center connection by installing new bolt P/N AN4-12, bushing P/N 105739X-YG0820. Shimmed to fit and installed new nut and cotter key.
15. Removed left and right brake calipers and caliper pistons, cleaned components and installed new o-rings P/N M83461/1-222 onto left and right brake calipers pistons and reinstalled pistons. Installed brake caliper on aircraft and bleed brakes with 5606

- hyd fluid. Op's and leak check good.
- 16 Installed all new brake linings P/N 066-02200 and rivets P/N 177-00300 on both main wheel brakes. Op's check good.
 - 17 Installed new wheel assy on both main gear, see sqk #47. New wheel assy cones with new brake rotors. (delete)
 - 18 Removed R/H main strut due to leakage, disassembled & cleaned. Reassembled strut with new o-rings and seals. Reinstalled strut and performed retract check, op's and leak check good.
 - 19 Removed L/H main inbd gear door due to cracked skin and sent to "Flight Vehicles" for repair. Reinstalled L/H main inbd gear door and performed retract check, op's check good. See "Flight Vehicles, Inc" CRS F8VR2340 maintenance release dated 8/16/99.
 - 20 Installed new main wheel assemblies p/n 40-98G, which include new bearings and brake rotors, on left and right main gear with original tires and tubes. Installed new nose wheel assembly p/n 36-8002-1, including new bearings, with original tire and tube.
 - 21 Installed new R/H ice light assy P/N 002-361010-15. Op's check good.
 - 22 Installed new rear strobe light assy P/N A506. Op's check good.
 - 23 Installed two new beacon bulbs P/N A7070B24, op's check good.
 - 24 Removed oxygen bottle assy #ZC300-64, S/N 35219, Puritan Bennett and sent out to "Safe Tech" CRS WV1R599K. Reinstalled O2 bottle s/n 35219 after overhaul and hydrotest, see 8130-3 dated 8/20/99, by "Safe Tech" with overhauled regulator s/n 0400, see 8130-3 dated 6/9/99 by "Av-Ox, Inc. CRS QX3R805L. Leak check and operational check good. Next hydrotest due Aug of 2002. O2 cylinder life expires July of 2001.
 - 25 Installed new instrument pressure pump inlet filters p/n 1L4-7 and filter covers on both left and right engines. Installed new LH pump inline filter. RH pump inline filter installed 4/20/99.
 - 26 Cleaned and lubed latch assy and hinges on rear entrance doors and installed new door seal p/n 36-420010-25. Op's check OK.
 - 27 Removed cracked intermediate frame at LH fuselage station F.S. 179. Installed new frame p/n 002-440013-3 in original location by riveting in place. Installed factory equipment shelf at F.S. 179 and mounted radio altimeter receiver/transmitter to new shelf to prevent future cracking of frame at FS 179.
 - 28 Removed cracked access panel doublers at RH furthest outbd lower wing inspection panels aft of spar. Fabricated doublers from .025 2024 T3 metal, riveted nutplates to doublers and riveted doublers to lower wing skin.
 - 29 Checked calibration of L/H & R/H EGT and found them low, adjusted to 1600° F, op's check good.
 - 30 Installed new cowl flap actuator brackets and bushings both left P/N 96-910028-9 and right P/N 96-910028-10 and bushing P/N 6N8-D. op's check good.
 - 31 Disassembled pedestal for access to cowl flap controls. Replaced worn lever plate P/N 96-324055 and two control levers P/N

- 96-324055-33 with new parts. Reassembled pedestal and installed pedestal cover. Ops check good.
- 32 Removed all rubber vibration isolators from all left and right engine mounts. Installed new P/N J10778-16 vibration isolators at all engine mount locations left and right engines with original bolts and nuts. Torqued to specification per Beech shop manual E-15-6-1 per fig. 6-1.
 - 33 Replaced missing and worn rubber seals P/N T-8071 on baffling left and right engines.
 - 34 Replaced left and right oil cooler to case rubber seal P/N T-8071.
 - 35 Repaired cracked left and right eng baffling by fabricating repair sections and riveting in place.
 - 36 Removed LH eng #4 cylinder due to low compression and #5 cylinder due to crack at spark plug hole. Installed new "Superior Airparts" FAA PMA approved "Millennium" cylinder assemblies p/n SA52000A21P, #4 s/n 13925 and #5 s/n 13926, which included new forged pistons p/n 631475, piston pins p/n 630046, and ring sets SA-5000 SC5. Set ring gaps, checked dry tappet clearance, and installed cylinders IAW IO-520 overhaul manual. Operational and leak check normal.
 - 37 Installed new exhaust pipe P/N 58-950000-9 on left engine left tail pipe.
 - 38 Repaired cracked cooling scoop for LH eng fuel pump by installing a doubler over the entire top section with cherry rivets. Reinstalled intake air breather and clamps.
 - 39 Removed LH eng stater adapter housing, resealed with TCM gasket maker p/n 646942, reinstalled starter adapter. Operational and leak checks normal.
 - 40 Removed worn clamp on LH eng throttle cable, installed new p/n DG-8 clamp.
 - 41 Removed both props and seals and installed new seals L/H - R/H P/N 641250. Reinstalled L/H - R/H props with new o-rings P/N MS28775-228. Torqued per 58 Shop Manual. Leak check good. Cleaned crankshaft surface to comply with SB M76-4.
 - 42 Removed RH prop governor, tightened arm on shaft, reinstalled governor, ops and leak check good.
 - 43 Removed cracked RH eng fuel servo bracket, installed new p/n 632015 servo bracket with new p/n 538468 bushings and new p/n AN4-6A bolts.
 - 44 Removed RH eng cylinders # and #3 due to cracks at spark plug holes. Installed new "Superior Airparts" FAA PMA approved "Millennium" cylinders p/n SA52000-A21P, #1 s/n 13919 #3 s/n 13920, which includes new forged pistons p/n 631475, new piston pins p/n 630046, and new ring set p/n SA-5000 SC5. Set ring gap, dry tappet clearance, and installed cylinders IAW IO-520 overhaul manual.
 - 45 Installed new copper gasket P/N MS35769-26 and new copper washer P/N X1473 on right engine oil pressure relief valve. Leak check good.
 - 46 Removed oil temp cannon plug on R/H engine, repaired, reinstalled and safetied. Removed L/H oil temp cannon plug and installed new environmental cannon plug P/N CA310GE12S3SF80. Connected to oil temp probe and safetied. Ops check good.

- 47 Complied with Parker Hannifan AD 98-23-01, effective 10/29/98. L/H engine dry air pump does not apply due to S/N. Parker Airborne P/N 212CW, S/N 69252. R/H engine dry air pump does not apply due to S/N Parker Airborne P/N 216CW, S/N 2AR776.
- 48 Complied with Bendix AD 76-07-12 by performing ignition switch functional test, checked good, due in 100hrs.
- 49 Complied with Parker Hannifan AD 86-01-00, eff date 1/31/86, on dry air pumps, found does not apply due to P/N and S/N. L/H Parker Airborne P/N 212CW, S/N 69252. R/H Parker Airborne P/N 216CW, S/N 2AR776.
- 50 Complied with Parker Hannifan AD 79-13-08, eff date 6/7/79, on dry air pumps, found does not apply to L/H or R/H pumps due to S/N. L/H Parker Airborne P/N 212CW, S/N 69252, R/H Parker Airborne P/N 216CW, S/N 2AR776.
- 51 Complied with Bendix/King AD 98-14-03, eff date 8/16/98, on transponders, found does not apply due to manufacturer Collins transponders installed in aircraft.
- 52 Complied with AD 84-26-02, eff date 1/29/85, Paper Air Filters, found does not apply sponge type air filters installed on aircraft, Bracket air filter P/N BA-7710 installed on each engine.
- 53 Complied with Bracket AD 81-15-03, eff date 7-20-81, on air filters, found does not apply due to model of aircraft Baron 58.
- 54 Complied with Raytheon AD 98-04-24, eff date 3-13-98, on icing limitations by installing a copy of this AD in AFM.
- 55 Complied with Raytheon AD 99-05-13, eff date 5-18-99, found found fuel selector placard previously installed per MSB 2670 R1.
- 56 Complied with Raytheon AD 99-09-15, eff date 5/18/99, control column interference, found AD not applicable to aircraft serial number.
- 57 Complied with Janitrol AD 96-20-07, effective 11/14/96, performed combustion heater pressure decay test and combustion air pressure switch tests per Janitrol m/m 3.0.1-3.3.13 and 4.9 section C. Pressure switch op's check good. Pressure leak rate within limits. Heater hobbs time 1182.5. Next compliance due at 1282.5 heater hrs or 8/25/01.
- 58 Complied with Bob Fields AD 98-21-21, eff date 10-30-98, does not apply inflatable door seals not installed on aircraft.
- 59 Complied with Rapco AD 97-16-10, eff date 7/31/97, does not apply to L/H inline filter due to lot number 89160, also does not apply to R/H due to manufacture Parker Airborne.
- 60 Complied with Aircraft Belts, Inc AD 98-25-10, eff date 12-24-98, does not apply due to model number 58/530219 Beech manufactured belts installed on all seats.
- 61 Complied with AD 85-25-02, eff date 1/27/86, King autopilot systems does not apply due to model number of servos, KS270 and KS272.
- 62 Complied with AD 85-23-07, eff date 1/27/86, King autopilot system does not apply due to aircraft make and model Baron 58.
- 63 Complied with Puritan-Bennett AD 99-08-21, eff date 6/2/99, aircraft has only one disposable Puritan Bennett mask with no

applicable P/N.

- 64 Complied with AD 98-08-20, eff date 6/2/98, allied signal autopilot servos, does not apply due to manufacturer, King autopilot servos installed in aircraft.
- 65 Complied with TCM SID 97-3 by verifying left and right engine fuel systems metered and unmetered fuel pressures.

I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an Airworthy condition.

Authorized Signature: 8/25/99

For Raytheon Aircraft Services

Houston, TX 77061,

BRIAN LARIVEE

FAA CRS X

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IA [REDACTED]

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			N190RS lobbs: 4610 SMOH: 1156 1/2/2001	Performed Annual inspection. Cleaned & lubed aircraft. Performed all routine services items. Replaced outboard gasket on right extended fuel tank. Replaced front tire. Performed gear retract test and emergency & normal operations. Replaced both intake filters. Serviced batteries. Checked ELT IAW FAR 91.207. AD 90-08-14 Wing Spar inspection no defects. AD 91-15-20 Inspection Engine mounts no defects. Checked brakes. I certify that this aircraft N190RS has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Clarksdale Aviation

DATE 10/02 10/14-02	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Hobbs T. 4792.		T. T. 4792.		100hr inspection checked all lights, replaced tail NAV ⁽⁵⁰⁸⁾ bulb, replaced beacon bulbs bulbs, replaced E.L.T battery & c/w by FAR 91.207(b). replaced inst. Air Filters (D9-14-5) - replaced air filters BA 7705-Elements, replaced filters SJ4-6 - replaced - 14 D10-adapter on heater & c/w decay test. JANITORIAL A.D. 96-20-07, o.k. next due 2 yr or 200 hrs. heater time. serviced all batteries, all fluids RAN gear retraction, o.k. greased gear - replaced wheel bearings, checked brakes o.k. c/w A.D. 91-15-20-Engine mounts, c/w Bendix 76-07-12 ing-switch. by ops. checked (o.k.) repaired crack in R/bottom cowling. serviced all tires (PSI). I certify that this Aircraft has been inspected I/A/w AN ANNUAL inspection and was determined to be in AN airworthy condition. - [REDACTED]

I/A - [REDACTED]

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date 3/3/2011 N Number N190RS Total Time 5432.6 Tach Time N/A Hobbs 5432.6 Annual Due 03/31/12

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH COMPANY CHECKLIST. LUBRICATED AIRFRAME. SERVICED TIRES AND STRUTS TO CORRECT PRESSURES WITH NITROGEN. INSTALLED NEW LOWER SHAFT SEAL IN LANDING GEAR GEAR BOX, SERVICED WITH FLUID AND CHECKED LANDING GEAR RIGGING. REPLACED LEFT LANDING GEAR THROTTLE WARNING HORN SWITCH AND RIGGED BOTH SWITCHES FOR CORRECT OPERATION. PERFORMED LANDING GEAR RETRACTION AND BOTH NORMAL AND EMERGENCY GEAR EXTENSIONS ALL PERFORMED SATISFACTORY. SERVICED AND CHARGED AIRCRAFT BATTERY TO CORRECT ELECTROLYTE LEVEL. OPERATIONAL CHECK OF E.L.T. PERFORMED SATISFACTORY IN ACCORDANCE WITH F.A.R. 91.207D, RECURRING 3/2012. E.L.T. BATTERY EXPIRATION DATE IS 2/2012. SERVICED AND CHARGED AIRCRAFT BATTERIES TO CORRECT ELECTROLYTE LEVELS. REPLACED EXTERNAL STROBE LIGHTS POWER SUPPLY P/N 90079-04. CHECKED FOR A.D. COMPLIANCE, NOTE: A.D. # 90-08-14 P/C/W AT 5368.3 ON 11/18/08 BY INSPECTION OF WING SPAR CARRY-THRU STRUCTURE PER A.D., RECURRING AT 5868.3 TOTAL TIME. C/W A.D. # 07-08-08 BY INSPECTION AND LUBRICATION OF LANDING GEAR UPLOCK ROLLERS PER A.D., RECURRING AT 5532.6. C/W A.D. # 04-21-05 BY PRESSURE DECAY TEST OF COMBUSTION CABIN HEATER AND CHECK OF PRESSURE SWITCH PER A.D., RECURRING AT 1719.7 HEATER HOBBS OR 3/2013. NO OTHER NEW OR RECURRING A.D.'S DUE AT THIS TIME. SEE A.D. COMPLIANCE REPORT FOR COMPLETE A.D. LISTINGS.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION FOR RETURN TO SERVICE ON THIS DATE.

Date 12/30/2011 N Number N190RS Total Time 5484.0 Tach Time N/A Hobbs 5484.0 Annual Due 03/31/12

REPLACED 2 GILL G-25 PRIMARY AIRCRAFT BATTERIES, SER.#'S G02552667 AND G02687591 ON THIS DATE. GROUND RUN AND OPERATIONAL CHECKED SATISFACTORY.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
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Date 8/25/2016 Number N190RS Total Time 5854.3 Tach Time N/A Hobbs 13.9 Annual Due 08/31/17

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH COMPANY CHECKLIST. CLEANED, INSPECTED AND LUBRICATED AIRFRAME AS REQUIRED. SERVICED ALL TIRES TO CORRECT PRESSURE. SERVICED ALL STRUTS WITH NITROGEN TO CORRECT LENGTHS. SERVICED BRAKE RESERVOIR WITH MIL-5606 FLUID TO CORRECT LEVEL. PERFORMED LANDING GEAR RETRACTION AND EXTENSION TEST IN BOTH NORMAL AND EMERGENCY EXTENSIONS, PERFORMED SATISFACTORY. SERVICED AIRCRAFT BATTERIES TO CORRECT ELECTROLYTE LEVELS AND CHARGED. COMMUNICATIONS COMPONENTS CORP. E.L.T. MODEL: CIR-11-2, SN: 34195 REMOVED FOR OUTSIDE REPAIR, AIRCRAFT PLACARDED IN FULL VIEW OF PILOT PER F.A.R. 91.207(f)(10)(i)(ii). REPLACED ON NOSE LANDING GEAR UPPER TORQUE LINK, 2 UPPER BUSINGS PN: 06DU03. REPLACED FLASHING BEACON WITH WHELEN PN: 01-0790088-14 PER TSO-C96a. REPLACED LEFT THROTTLE CABLE ASSY WITH PN: 004002-1. CHECKED FOR A.D. COMPLIANCE. C/W A.D. #90-08-14 BY INSPECTION OF WING SPAR STRUCTURE PER A.D., NO CRACKS FOUND, RECURRING 6354.3TT. C/W A.D. #07-08-08 BY CLEANING, INSPECTION AND LUBRICATION OF UPLOCK ROLLERS PER A.D., RECURRING 5954.3TT. NOTE: A.D. # 16-16-12 IS N/A BY P/N ON ALL CYLINDER ASSEMBLIES ON LEFT AND RIGHT ENGINES. C/W A.D. #04-21-05 BY PRESSURE DECAY TEST OF COMBUSTION HEATER PER A.D., FOUND SATISFACTORY, RECURRING 8/2018 OR 1909.0 HEATER HOBBS. NO OTHER NEW OR RECURRING A.D.'S DUE ON THIS DATE. SEE A.D. COMPLIANCE REPORT FOR COMPLETE A.D. LISTINGS.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION FOR RETURN TO SERVICE ON THIS DATE.

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Jonesboro Aviation | 3001 Earhart Dr. | Jonesboro, AR 72401 | Phone: 870-935-3880

Date 10/3/2017 N Number N190RS Total Time 5941.1 Tach Time N/A Hobbs 100.7 Annual Due 10/31/18

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH COMPANY CHECKLIST. LUBRICATED AIRFRAME. SERVICED AND CHARGED AIRCRAFT BATTERIES TO CORRECT ELECTROLYTE LEVEL. LANDING GEAR RETRACTION TEST PERFORMED, BOTH NORMAL AND EMERGENCY GEAR EXTENSION PERFORMED SATISFACTORY. REPLACED R-MLG TIRE WITH NEW P/N: 658C86-4, GOODYEAR FCIII, 6.50-8 8-PLY AND TUBE WITH NEW P/N: 092-337-0, AIRSTOP MICHELIN. REPLACED ALL L-MLG BRAKE LININGS P/N: 066-04400. REPLACED BOTH INDUCTION FILTERS WITH NEW P/N: BA7705, BRACKETT. REPLACED RIGHT NAV LAMP WITH NEW P/N: WLA7512-24. REPLACED ALTIMETER LIGHT TRAY WITH NEW P/N: 6015358-2. REPLACED EXHAUST BANK ON OUTBOARD SIDE OF RIGHT ENGINE WITH NEW P/N: K96-324101-12 S/N: 260508, P/N: K96-950002-33 S/N: 253337, P/N: K58-950000-7 S/N: 259918. CHECKED FOR A.D. COMPLIANCE. A.D. #90-08-14 P/C/W BY INSPECTION OF WING SPAR, RECURRING AT 6354.3 TT. C/W A.D. #07-08-08 BY INSPECTION AND LUBRICATION OF UPLOCK ROLLERS, RECURRING AT 6041.1 TT. C/W A.D. #76-07-12 BY OPERATIONAL CHECK OF IGNITION SWITCH, NEXT DUE AT 6041.1 TT. A.D. #04-21-05 P/C/W BY INSPECTION OF JANITROL HEATER RECURRING AT 1909.0 HEATER HOBBS OR 08/2018. A.D. #16-17-04 R1 N/A BY AIRCRAFT TYPE, NOT RECURRING. A.D. #17-04-06 N/A BY MODEL AND SERIAL #, NOT RECURRING. A.D. #17-06-03 N/A, COMPONENT NOT INSTALLED, NOT RECURRING. A.D. #17-09-09 N/A BY AIRCRAFT TYPE, COMPONENT NOT INSTALLED, NOT RECURRING. A.D. #17-11-11 N/A, COMPONENT NOT INSTALLED, NOT RECURRING. A.D. #17-16-04 N/A BY AIRCRAFT TYPE, COMPONENT NOT INSTALLED, NOT RECURRING. A.D. #17-18-12 N/A, COMPONENT NOT INSTALLED, NOT RECURRING. NO OTHER NEW OR RECURRING A.D.'S DUE AT THIS TIME. SEE A.D. LISTINGS FOR A.D. COMPLIANCE.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION FOR RETURN TO SERVICE ON THIS DATE.

AJP #

19

TODAYS FLIGHT

**TOTAL
TIME IN
SERVICE**

Description of Inspections, Tests, Repairs and Alterations
 Entries must be endorsed with Name, Rating and Certificate No.

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Jonesboro Aviation | 3001 Earhart Dr. | Jonesboro, AR 72401 | Phone: 870-935-3880

Date 6/6/2018	N Number N190RS	Total Time 5996.0	Tach Time N/A	Hobbs 155.6	Annual Due
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ON LEFT LANDING LIGHT: REPAIRED BROKE WIRE. ON RIGHT LANDING LIGHT: REPLACED BULB WITH NEW GE
PN: 4596. OPERATIONAL CHECK SATISFACTORY.

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