

8-2-05

N165TW

TTAF: 14,482.8

LDGS: 10387

Pg 1 of 4

AIRFRAME

Performed A, A2, C, C2, Z inspections.

Performed pre-inspection checks and performance runs.

Reviewed work scope for any outside vendor.

Verified that all items have been completed and signed off.

Performed major airframe 12-year MCI inspection (05-00-00)(See NDT Service W.O.# B07258 dated 05-10-05).

Performed vertical stabilizer 12-year MCI (55-50-00)(See NDT Service W.O.# B07258 dated 05-10-05)

Complied with 12-year LH and RH Horizontal Stabilizer MCI (55-50-00)(See NDT Service W.O.# B07258 dated 05-10-05).

Complied with 12-year LH and RH wing corrosion inspection (28-00)(See ATI W.O.# 1011 dated 5-26-05).

Complied with 12-year fuel center section corrosion inspection (28-00)(See ATI W.O.# 1011 dated 5-26-05).

Performed frames 0-33 eddy current inspection (53-30-40)(See NDT Service W.O.# B07258 dated 05-10-05).

Performed NDT of windows secured with screws (53-30-07)(See NDT Service W.O.# B07258 dated 05-10-05).

Performed ultrasonic inspection of cabin and cockpit window frames (53-10-01)(See NDT Service W.O.# B07258 dated 05-10-05).

Performed stiffeners/skin panels eddy current (55-30-10)(See NDT Service W.O.# B07258 dated 05-10-05).

Inspected GPS antenna doubler.

Performed 6-month inspection of emergency battery.

Performed 12-month discharge/recharge of emergency battery.

Complied with AD 76-19-02 D(fuel fumes).

Complied with AD 98-13-15(upper fairings).

Complied with AD 2004-19-02(window frame cracks)(See NDT Services W.O. # B07258 dated 5-10-05).

Complied with LH and RH wing fillet inspection/check.

Performed dent-mapping inspection of the LH and RH wing leading edges.

Removed stripped screws P/N NAS517-3-2 S/N NSN from belly panel and replaced with P/N NAS517-3-2 S/N NSN.

Removed LH (pylons) bleed air pipe for use on N240TW P/N MY20723-13 S/N NSN and installed new P/N MY20723-13 S/N NSN.

Removed serviceable bonding clamp P/N MS21919 S/N NSN for use on N240TW LH wing under fairing and replaced with new P/N MS21919WPG22 S/N NSN.

Removed serviceable bolt from pilot control column P/N 3911BC040011L S/N NSN for use on N240TW and installed new bolts P/N 3911BC040011L S/N NSN.

Removed RH serviceable anti-skid control P/N 9542732-2 S/N FEB 80 1596D for use on A/C N314TW and installed repaired P/N 9542732-2 S/N JUNE 77-1280D.

Removed and replaced striped screws from leading edge RH wing.

Removed serviceable LH anti-skid control valve P/N 9542732-2 S/N OCT 66-236D for use on N240TW and installed overhauled P/N 9542732-2 S/N SEPT 66-218D.

Removed serviceable YAW amp. P/N 50-30-0 S/N 247 for use in N240TW and installed repaired P/N 50-30-0 S/N 264.

Tightened bleedknob on cargo door.

Removed interlocking pin wear pad P/N MY20161-039 S/N NSN from LH and RH inbd flap and replaced with P/N MY20161-039 S/N NSN.

Removed inbd and otbd bearings P/N KA10G395 S/N NSN from RH and LH Aileron and replaced with new P/N KA10G395 S/N NSN.

Repaired minor dent on RH aileron—otbd end and installed new fasteners in loose areas.

Removed RH and LH Aileron static discharge wick P/N DG16305 S/N NSN and replaced with P/N DG16305 S/N NSN.

Removed and replaced bonding straps on RH and LH Aileron.

Removed pilot control column boot P/N MY20215-30-1M1 S/N NSN and replaced with Ameristar supplied part P/N MY20215-30-1M1 S/N NSN.

Removed and replaced LH flap gap seal.

Removed rub seal P/N MY20163-7201 S/N NSN on LH otbd flap and installed new P/N MY20163-7201 S/N NSN. Re-secured nut plates on LH and RH Aileron well.

Removed and replaced broken straps from rudder.

Removed #1 TDR90 P/N 622-1270-001 S/N 1125 for use in N295TW and installed repaired P/N 622-1270-001 S/N 2760.

Removed serviceable mixing valve P/N 728-027M82 S/N 662 for use on another Ameristar aircraft and installed repaired P/N 728-027M51 S/N 227.

Removed co-pilot seat shoulder harness P/N 0108170-1 S/N 2-0-02 and installed re-webbed harness P/N 0108170-1 S/N 4-0-01.

Lubed and adjusted co-pilot seat.

Repaired RH emergency exit seal.

Removed and replaced overhead emergency exit seal.

Removed pressure ratio indicator #1 and #2 P/N JG288C2 S/N D-118/D-15 for calibration and replaced with repaired P/N JG288C2 S/N D-15/D-118.

Removed tach. ind. #1 and #2 P/N 8DJ81LWS2/8DJ81LWS4 S/N C0250/P0027 for calibration and replaced with repaired P/N 8DJ81LWS2/8DJ81LWS4 S/N C0250/P0027.

Removed EGT ind. #1 and #2 P/N 152BL704B S/N 51/495 for calibration and replaced with repaired P/N 152BL704B S/N 495/51.

Installed new bearing P/N K148-24 S/N NSN on RH inbd air brake bushing.

Removed and replaced broken bonding straps on RH and LH front spar.

Replaced nut plates on LH front spar. Re-connected nose cone lock pin.

Installed two cam-locks P/N 2700-20 S/N NSN on J-box.

Installed two cam-locks P/N 27004-S on rear compartment protective partition.

Removed bolts and nuts P/N F12NE4753-054/F10A200000637 S/N NSN on RH and LH Aileron and replaced with new hardware P/N F12NE4753-054/F10A200000637 S/N NSN.

Removed and replaced nut plate on RH upper wing to fuselage fillet panel.

Re-secured bearing on LH elevator inbd attachment.

Removed and replaced two bonding straps on tail plane actuator (aft section).

Removed bolt and roller from cargo door latch, cleaned, lubed, and reinstalled.

Removed bolts and nuts P/N 334411BE080023LE/F12NE4753-048 S/N from tail plane actuator control arm and replaced with new P/N 334411BE080023LE/F12NE4753-048 S/N NSN.

Re-secured wire harness on RH tail plane front spar.

Installed missing gland nut retaining pin P/N C57884 S/N NSN on LH main gear strut.

Removed minor surface corrosion from rudder actuator.

Removed and replaced broken bonding straps on rudder trim actuator.

Removed minor corrosion from LH and RH leading edges, primed, and painted surfaces.

Removed batteries #1 and #2 P/N G6381ES S/N G02174824/G02174824 for use on N158TW and installed new P/N 9750W0538 S/N 5119W0004/5084W0010.

Removed broken bonding straps from LH otbd airbrake and replaced with new.

Removed bad bearings P/N TRCE132FSP4G354 S/N NSN from LH and RH bell crank at frame 18 and replaced with new P/N TREI32EFSP1 S/N NSN.

Removed bolts P/N A6-202 S/N NSN from RH wing leading edge Aileron control rods and replaced with new P/N A6-202 S/N NSN.

Removed broken bonding jumpers from RH inbd air brake and replaced with new.

Removed broken bonding straps from RH otbd air brake and replaced with new.

Installed anti-chaffing strap on LH spring-loaded fillets.

Removed and replaced anti-chaffing straps from RH spring loaded fillets.

Removed wiggins fitting P/N 3605-24E S/N NSN from LH top aft compartment bleed airline and replaced with new P/N 3605-24E S/N NSN.

Installed new flap rod bolt on RH side in wheel well.

Removed minor surface corrosion from RH Aileron trim servo.
Removed anti-corrosion protection P/N AV8/AV100D S/N NSN from RH wing root and replaced with P/N AV8/AV100D S/N NSN.
Completed SRM57-40-2 procedure.
Removed RH Aileron control attachment bolts P/N 334411BE080023LE S/N NSN and replaced with new P/N 334411BE080023LE S/N NSN.
Removed corroded bolt P/N 334411BE080029LE S/N NSN from RH air brake control rod center section and installed new hardware P/N 334411BE080029LE S/N NSN.
Removed bad bearings P/N WK8FESPI S/N NSN from RH otbd air brake control rod center section and installed new P/N WK8FESPI S/N NSN.
Removed and replaced broken bonding strap from nose gear door aft hinge.
Repaired nose cone seal on RH side.
Adjusted stopper on nose gear door middle hinge.
Removed servicing fitting P/N MS28889-1 S/N NSN from nose gear and replaced with P/N MS28889-1 S/N NSN.
Cleaned light surface corrosion from nose gear up lock support.
Removed #1 nose tire and wheel assembly P/N 955039/M0831 S/N LT80-1847/4037A126 and installed serviceable P/N 955039/M0831 S/N JAN68-18/4131A065 from N699TW.
Removed loose rivets from LH main gear door on otbd edge and installed new.
Removed bracket from LH main gear door and re-secured with new rivets.
Removed surface corrosion from RH Aileron actuator.
Removed bonding straps from aft compartment door at corner and replaced with new.
Removed bushing P/N MY20247-28810 S/N from RH and LH aft nacelles hinge and replaced with new P/N MY20247-28810 S/N NSN.
Removed cable P/N MY20215-20810-2 S/N UNK from LH yolk and replaced with new P/N MY20215-20810-2 S/N NSN.
Removed pulleys P/N P37SP2 S/N NSN from LH and RH yolk and replaced with new P/N P37SP2 S/N NSN.
Removed debris/corrosion around 26A and 28 LH and RH frames, complied with inspection of 26A thru 28 frames.
Re-adjusted fuel hose off of flight controls on RH leading edge.
Repaired mic-jack wiring on RH yolk.
Repaired pilots seat on LH and RH upper pin rails.
Removed #2 battery ground cable P/N MY2062315 S/N NSN and replaced with serviceable P/N MY2062315 S/N NSN from N699TW.
Repaired mic-jack wiring for pilot O2 mask wire.
Removed screw from LH vertz. stab. Inspection panel and replaced with new.
Installed new clamp on cable on nose landing gear.
Removed stripped screws P/N NAS517-3-22 S/N NSN from window frame and replaced with P/N NAS517-3-22.
Removed lower rotation beacon bulb P/N A7079B24 S/N NSN and replaced with P/N A7079B24 S/N NSN.
Repaired lower otbd cowl.
Removed RH main gear door actuator P/N A23730-0-3 S/N U30 and installed serviceable P/N A23730-4 S/N 106.
Removed inspected and treated areas of minor surface corrosion in lower recesses during NDT inspection.
Removed mixing valve P/N 728-027M51 S/N 227 and replaced with serviceable P/N 728-027-M3 S/N 121 from N699TW.
Removed RH N1 gauge P/N8DJ81-LWS4 S/N P0027 and replaced with repaired P/N 8DJ125LWS4 S/N K3774.
Removed RH fuel flow indicator P/N 8DJ125LWB4 S/N N0010 and replaced with repaired P/N 8DJ125LWB4 S/N E0620.

Removed aft j-box 15KI resistor P/N D3L4 S/N NSN and replaced with serviceable P/N D3L4 S/N NSN.
Removed serviceable RH main gear door up lock P/N 4423 S/N 123 and installed P/N 4424 S/N 450R.
Removed serviceable RH main gear door control inters linked assembly for door up locks P/N MY20248-60 S/N NSN and installed P/N MY20248-60 S/N NSN.

Removed serviceable RH #2 fire bottle P/N 111-15SS-324-12A S/N 21-133 and installed serviceable P/N 811456 S/N 14770 from N699TW.

Troubleshoot auto pilot and reseated autopilots amplifier.

Repaired shorted wire at yam flap unit.

Removed hand held fire bottle P/N Halon 1211 S/N V-552229 and installed serviceable hand held fire bottle in cabin area P/N Halon 1211 S/N C-777606.

Performed altimeter/transponder correlation.

Serviced O2 system to 1850psi.

Reseated connector to switching unit #1 Localizer.

Removed serviceable RH engine P/N CF700-2D-2 S/N 304-226B for use on N240TW and replaced with serviceable P/N CF700-2D-2 S/N 304-226B from N699TW.

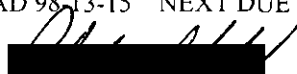


Removed LH engine P/NCF700-2D-2 S/N 299-021 for use on N240TW and replaced with serviceable P/N CF700-2D-2 S/N 299G061 from N699TW.

Removed LH fire extinguisher bottle P/N 811456 S/N 13334 and installed new P/N M811456 S/N 00068.

ALL WORK PERFORMED IN ACCORDANCE WITH FALCON 20 MAINTENANCE MANUAL, GE CF700 SE1-187 M/M AND AMERISTAR JET CHARTER, INC AAIP (INVOICE# 3401M)(WO# 0993).

AD 76-19-02D NEXT DUE AT TTAF: 14782.8

AD 98-13-15 NEXT DUE AT TTAF: 14782.8



Robert M. Phillips A&P 

ATA NO.	DESCRIPTION	MECH.	DATE	INSP.
25	EQUIPMENT/FURNISHINGS			
25-00	<u>General</u>			
25-00	Servicing of pilots' and passengers' safety belt buckles			
25-1	<u>Cockpit</u>			
25-10-1	Check of crew seats height adjustment mechanical control.			
25-6	<u>Emergency equipment</u>			
25-61-0	Servicing of drag chute (If installed)			
	- Checking of clearance between rollers and hook control lever.			
	- Checking of shackle extraction force.			
	- Checking of locking rod protrusion and backing off dimension.			
	- Checking of control handle (pedestal) operating force..			
27	FLIGHT CONTROLS			
27-0	<u>General</u>			
27-00-1	Lubrication of flight control linkage hinges in fuselage and empennage			
27-00-1	Inspection/check of flight control linkages in fuselage and empennage			
27-00-1	Inspection/check of:			
	- Rudder pedals			
	- Autopilot platform			
	- Triple sealed box			
27-00-2	Lubrication/greasing of aileron control linkage hinges and ball-bushings in wings			
27-00-2	Inspection/check of flight controls linkage in wings			
27-00-5	Check of maximum control surface travel and check of maximum travel for aileron and rudder trim			
27-00-7	Inspection of auxiliary AFU's for condition and checking of travel capacity			
27-00-10	Check of servo-controls for internal leaks at end-of-travel and visual inspection			

DATE: 08-15-07 FALCON 20 S/N 065 N165TW TTAF: 15,886.6 LDGS: 11,449

Performed pre-inspection checks and performance runs.
Performed an 'A, A2, B, B3 and Z inspection.
Complied with AD 76-19-02, fuel fumes.
Complied with AD 98-13-15, wing fillets.
Complied with AD 2000-12-15, emergency exit.
Complied with 12 month ELT inspection. Battery due replacement April 2009.
Magnetic compass swing complied with by Ameristar.
Replaced right landing light bulb with new, p/n 4581 nsn.
Dent mapping on both wings and inlets completed. Mapped dents on left inboard wing leading edge and filled after NDT by Apex inspections, FAA CRS X5IR125Y and IAW Ameristar dent mapping guide.
Repaired right engine extinguisher overpressure line flare by reflaring.
Removed #1 EPR gauge p/n JG288C2, s/n D118 and reinstalled after inspection.
Removed #2 EPR gauge p/n JG288C2, s/n D15 and reinstalled after inspection.
Removed #1 EGT gauge p/n 152BL704B, s/n 495 and reinstalled after inspection.
Removed #2 EGT gauge p/n 152BL704B, s/n 57 and reinstalled after inspection.
Removed #1 RPM gauge p/n 8DJ81LWS2, s/n CO250 and reinstalled after inspection.
Removed #2 RPM gauge p/n 8DJ81LWS2 s/n K3774 and reinstalled after inspection.
Removed right engine extinguisher cartridge, p/n 12.12.1170751-4, s/n 03-5415 and installed a new unit, p/n same, s/n 09-5707 mfr date 07-05.
Removed vertical stab tip p/n MY20313-2 and reinstalled after repair by Ameristar.
Removed left wing tip p/n MY20181-30-5 and reinstalled after paint touch up by Ameristar.
Removed fwd. main battery p/n RG-380E/44, s/n 40165934 and installed a serviceable unit, p/n same, s/n 40158244.
Removed aft main battery p/n RG-380E/44, s/n 40160498, and installed a serviceable unit, p/n same, s/n 40158245.
Replaced tail plane relay, p/n 2978MO, s/n 3065 with a repaired unit, p/n same, s/n 2736. Ops checked good on ground.
Replaced left nose gear wheel assy. p/n 9543426 s/n NOV79-1461 with a repaired unit, p/n same, s/n OCT83-2561.
Replaced right nose gear wheel assy. p/n 9543426 s/n JAN68-18 with a repaired unit, p/n same, s/n JUL86-2866.
Replaced #1 MLG wheel assy p/n 9543809-1, s/n AUG78-2619 with a repaired unit, p/n 9543809, s/n SEP74-1306.
Replaced #2 MLG wheel assy. p/n 9543809, s/n APR72-420 with a repaired unit, p/n same, s/n SEP71-348.
Replaced #2 nav. receiver p/n 622-0876-001 s/n 4020, with a serviceable unit, p/n 622-0876-002, s/n 1357.
Ops checked good on ground.
Replaced stall warning vane, p/n 2551A-5, s/n 68-13 with a serviceable unit, p/n 2551A-5A, s/n 107-7. Ops checked good on ground.
Replaced damaged seals on hot air tubes as required with new bestobell seals, p/n BA4709-3 and -4.
Removed #1 brake assembly p/n 9550504, s/n MAY68-49, and installed an overhauled unit p/n same, s/n MAR95-2616.
Removed #3 brake assembly p/n 9550504, s/n NOV73-338, and installed an overhauled unit, p/n same, s/n FEB70-58.
Replaced #1 GCU, p/n 3S2060DC168B1, s/n 6647888M1 with an overhauled unit, p/n same, s/n 6633804M1. Adjusted and paralleled. Ops checked good on ground.
Post inspection runs and ops checks completed.
All work completed per Ameristar Jet Charter, Inc. AAIP and Falcon 20 Maint. Manual. This aircraft is approved for return to service.


RICHARD BROWN A&P 

ATA NO.	DESCRIPTION	MECH.	DATE	INSP.
24	ELECTRICAL POWER			
24-0	<u>General</u>			
24-00	Inspection/check of electrical power generation system			
	- Cockpit			
	- Cabin			
	- Engine			
	- Nacelle			
	- Rear compartment			
24-4	<u>External Power Supply</u>			
24-40-1	Inspection/check of DC external power receptacle			
25	EQUIPMENT / FURNISHINGS			
25-6	<u>Emergency equipment</u>			
25-61-1	Checking of drag chute control run and cable tension			
26	FIRE PROTECTION			
26-1	<u>Fire detection</u>			
26-10-0	Inspection/check of LINDBERG fire detection system (aircraft serial No.1 to 430)			
26-10-00	Inspection/check of SYSTRON DONNER fire detection system (aircraft serial No. 431 to 450)			
26-10-01	Inspection/check of SYSTRON DONNER fire detection system (aircraft serial No. 451 and subsequent)			
26-10-02	Inspection/check of Cargo bay smoke detection system			
27	FLIGHT CONTROLS			
27-0	<u>General</u>			
27-00-1	Lubrication of pin and control rocker of tail plane microswitch 36C			
27-00-1	Inspection/check of flight controls in fuselage and empennage			
27-00-1	Static external leak check of servo cylinders and variable bellcranks			
27-00-2	Inspection/Check of flight controls equipment in wings			
27-00-8	Servicing of seals on wings			
27-00-13	Test protection diodes of Aileron and rudder trims (aircraft with SB 486)			

DATE: 09-06-08 FALCON 20 S/N 065 N165TW TTAF: 16246.7 LDGS: 11726

1. Performed pre-inspection checks and performance runs.
2. Performed an 'A' and '2A' inspection.
3. Complied with AD 76-19-02, fuel fumes.
4. Complied with AD 98-13-15, wing fillets.
5. Complied with AD 2008-04-14, emergency exits.
6. Complied with AD 2008-05-07, elevator bellcrank.
7. Complied with 36 month scale weigh of aircraft.
8. Inspected pilot, co-pilot, and jump seat oxygen masks.
9. Dent mapping on both wings and inlets completed. No new dents noted. Refilled one dent on left wing.
10. Replaced left nose tire, p/n 9543426, s/n APR85-2773, with a serviceable unit, p/n same, s/n FEB77-1160.
11. Replaced right nose tire, p/n 9543426, s/n FEB84-2598, with a serviceable unit, p/n same, s/n SEP75-850.
12. Re-taped cargo area as required.
13. Replaced emergency power supply, p/n 70Y1, s/n 627, with a repaired unit, p/n same, s/n 565.
14. Replaced 2 static wicks on left and right ailerons with new. P/n DG16305.
15. Replaced 1 static wick on rudder with new, p/n DG16305.
16. Replaced inboard flap jack boots with new, pn 21-65-00-23-3.
17. Replaced pressurization controller, p/n 13300-7 s/n 105 with a serviceable unit, p/n same, s/n 609. Ops checked good on ground.
18. Removed fwd. main battery p/n RG-389E/44, s/n 40202888, and installed a serviceable unit, p/n RG-380E/44, s/n 40160498.
19. Removed aft main battery p/nRG-380E/44, s/n 40202889, and installed a serviceable unit, p/n RG-380E/44, s/n 40198174.
20. Service oxygen to 1600 psi.
21. Post inspection runs and ops checks completed.

All work completed per Ameristar Jet Charter, Inc. AAIP and Falcon 20 Maint. Manual. This aircraft is approved for return to service.


RICHARD BROWN A&P 

ATA NO.	DESCRIPTION	MECH.	DATE	INSP.
25	EQUIPMENT/FURNISHINGS			
25-10-1	Crew seat harness and winding reel - Inspection/check			
25-60-2	Passenger Cabin - Checking of toilet compartment waste basket for closing and tightness.			
25-61-1	Servicing of drag chute control - Lubrication of joints			
27	FLIGHT CONTROLS			
27-4	<u>Horizontal stabilizers</u>			
27-40-10	Measurement of normal tail plane actuator electric motor slippage			
27-40-11	Check/cleaning of horizontal stabilizer actuator normal motor brake (except motor type 993) (aircraft without SB 726)			
27-40-12	Measurement of drop-out current of electromagnetic brake for normal horizontal stabilizer actuator motor (except motor type 993) (aircraft without SB 725)(aircraft without SB 726)			
27-80-2	Lubrication of wing flap control system hinges			
28	FUEL			
28-0	<u>General</u>			
28-00-0F	Operation of fuel shut-off valves			
28-1	<u>Storage</u>			
28-10-40	Cleaning of drain at frame 33cleaning (aircraft with SB 555 and without SB558 and SB 567)			
28-2	<u>Fuel supply</u>			
28-20-13	Lubrication of refueling prevention microswitch control lever pins			
29	HYDRAULIC POWER			
29-00-6	Chlorine retention element (SB 680): Removal/installation for replacement (system 1 & 2)			