

INSPECTION / MAINTENANCE RECORD

MODEL: GULFSTREAM 150
SERIAL NO.: 241
REGISTRATION NO.: N480JJ
WORK ORDER NO.: SC188828

ACTT: 612.1
ACTL: 440
DATE STARTED: 12/14/2009
DATE COMPLETED: 01/05/2010

The following GAC CMP Codes were accomplished:

122205	NLG - LUBE	261115	LT ENG FIRE EXTN FIRING CIRCUIT - OPS CK
122215	MLG (LT) - LUBE	261116	RT ENG FIRE EXTN FIRING CIRCUIT - OPS CK
122216	MLG (RT) - LUBE	261161	FIRE EXTN BOTTLE PRESS GAGE (LT) - VIS CK
122901	EMERG EXIT RELEASE MECHANISM - LUBE	261162	FIRE EXTN BOTTLE PRESS GAGE (RT) - VISCK
122905	MED - LUBE	262005	APU AUTO SHUTDOWN - OPS CK
210006	MANUAL PRESS CTRL SYS - OPS CK	262105	APU FIRE PROTECTION FIRING CIRCUIT - OPS CK
213101	CTROLLER, CBN PRESS CTRL SYS (CPCS)	263101	EXT, HALON PORTABLE FIRE (CKPT)
213112	CBN PRESS CTRL ANEROID SW - FUNC CK	263102	EXT, HALON PORTABLE FIRE (CBN)
213122	OUTFLOW VALVE - OPS CK (DITCH MODE)	263111	HALON PORTABLE FIRE EXTN (CKPT) - DI
213142	SAFETY VALVE - FUNC CK	263112	HALON PORTABLE FIRE EXTN (CBN) - DI
221102	PUSH BUTTON SWITCHES - FUNC TEST	263121	HALON PORTABLE FIRE EXTN (CKPT) - WT CK
231206	VHF COM EMERG TUNE FUNC - OPS CK	263122	HALON PORTABLE FIRE EXTN (CBN) - WT CK
235216	AUDIO PANEL EMERG SELECT SW - OPS CK	263141	HALON PORTABLE FIRE EXTN (COCKPIT) - INSP
236141	STATIC DISCHARGER - FUNC CK	263142	HALON PORTABLE FIRE EXTN (CABIN) - INSP
237202	CVR - OPS CK	271204	AILERON ARTIFICIAL FEEL SPRING UNIT - LUB
243002	STARTER-GEN BRUSHES (APU) - FUNC TEST	273008	ELEV FREE PLAY - INSPECT
243003	STARTER-GENERATOR (LT ENG) - RESTORE	273105	ELEV SERVO TAB (LT)
243005	STARTER-GEN BRUSHES (LT ENG) - FUNC TEST	273106	ELEV SERVO TAB (RT)
243006	STARTER-GEN BRUSHES (RT ENG) - FUNC TEST	274205	HORIZ STAB TRIM MOTOR NO. 1 - BRUSH INSP
243010	LOAD SHEDDING - OPS CHECK	274211	HORIZ STAB TRIM ACTUATOR DRAINS - INSP
251101	SEAT, PILOT	275105	FLAP INTERCONNECT LINK - GENERAL VI
251102	SEAT, CO-PILOT	282603	FIRE SHUTOFF VALVES - OPS TEST
251105	CREW SEAT RESTRAINTS (PIL) - DI	301001	DEICE SYS - FUNCTIONAL TEST
251106	CREW SEAT RESTRAINTS (CO-PIL) - DI	314105	CONCENTRATOR, INPUT/OUTPUT (IOC-3110) {PIL}
251109	CREW SEAT INERTIA REELS (PIL) - OPS CK	314106	CONCENTRATOR, INPUT/OUTPUT (IOC-3110) {CO-PIL}
251110	CREW SEAT INERTIA REELS (CO-PIL) - OPS CK	315001	EICAS - FUNC TEST
252105	PAX SEATS RESTRAINTS - DI	315010	DATA CONCENTRATION UNIT (DCU-5010)
252107	PASSENGER SEATS INERTIA REELS - OPS CHECK	316001	CENTRAL DISPLAY SYSTEM - RTS TEST
256005	FLASHLIGHT(S) - OPS TEST	316331	DISPLAY UNIT, ADAPTIVE FLT (AFD-5520E) {LT PFD}
256115	LIFE VEST(S) - DI	316332	DISPLAY UNIT, ADAPTIVE FLT (AFD-5520E) {LT MFD}
256131	LIFE RAFT (NO. 1)	316333	DISPLAY UNIT, ADAPTIVE FLT (AFD-5520E) {RT MFD}
256132	LIFE RAFT (NO. 2)	316334	DISPLAY UNIT, ADAPTIVE FLT (AFD-5520E) {RT PFD}
256133	LIFE RAFT (NO. 1) - RESTORE	320010	LANDING GEAR - FUNC TEST
256134	LIFE RAFT (NO. 2) - RESTORE	323103	DOWNLOCK SOLENOID AND OVERRIDE SW - OPS CK
256135	LIFE RAFT (NO. 1) - DI	323601	EXTENSION AND RETRACTION SYS - FUNC CK
256136	LIFE RAFT (NO. 2) - DI	324305	BRAKE WEAR INDICATOR, LT O/B - GVI
256235	SMOKE HOOD - DI	324306	BRAKE WEAR INDICATOR, LT I/B - GVI
256260	PERSONAL BREATHING EQUIPMENT - DI	324307	BRAKE WEAR INDICATOR, RT I/B - GVI
256411	FIRST AID / MEDICAL KIT	324308	BRAKE WEAR INDICATOR, RT O/B - GVI
256415	FIRST AID / MEDICAL KIT - DI	324405	VALVE, POWER BRAKE
256612	FIRE / CRASH AXE - INSP	324423	LT HYD BRAKE FUSE - FUNC TEST
261101	BOTTLE, FWD ENGINE FIRE	324424	RT HYD BRAKE FUSE - FUNC TEST
261113	FIRE EXTINGUISHING BOTTLE - WT CK (FWD)	324801	EMERG BRAKES - FUNC CK

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325001	NOSE WHEEL CENTERING - FUNC CK	530013	LDG GEAR EXTERNAL AND INTERNAL - ZI
326001	NORMAL LDG GEAR EXTENSION WARN SYS - OPS CK	536007	SERVICE COMPT / APU ENCLOSURE INTERNAL - ZI
334001	NAV LIGHT COVER ASSEMBLY - DI	540001	L/ENG EXTERNAL ENG, PYLONS AND NACELLES - ZI
334201	ANTI-COLLISION AND NAV LIGHTS - OPS CK	540002	R/ENG EXTERNAL ENG, PYLONS AND NACELLES - ZI
335210	OUTSIDE EMERG LIGHTS - OP CK	561101	FLT COMPART WINDOWS HYDROPHOBIC COATING - I
335223	EMERG BATT PACK ENERGY LEVEL (FWD) - OPS CK	562011	CBN WINDOW (LT EMERG) - R/I
335227	EMERG BATT PACK ENERGY LEVEL (AFT) - OPS CK	562012	CBN WINDOW (RT EMERG) - R/I
341201	ALTITUDE ACCURACY TEST - RVSM	571013	LH WING REAR SPAR - ZI
341203	PITOT/STATIC SYS (PIL) - RECONN CK (FAR 91.411)	571014	RH WING REAR SPAR - ZI
341204	PITOT/STATIC SYS (CO-PIL) - RECONN CK (FAR 91.411)	790003	LH ENG OIL & FILTER - SPECIAL DI (SOAP)
341205	PITOT/STATIC SYS (STBY) - RECONN CK (FAR 91.411)	790004	RH ENG OIL & FILTER - SPECIAL DI (SOAP)
341213	ADC (NO. 1) - FUNC TEST (FAR 91.411)	801011	STARTER/GENERATOR, LH
341214	ADC (NO. 2) - FUNC TEST (FAR 91.411)	980611	SB 150-31-061 PT B OPT CTRL MODULES REPL, DATABASE UPLOAD
341301	SKIN WAVINESS MEASUREMENTS INSP - RVSM	980612	SB 150-31-061 PT C OPT CTRL MODULES REPLT, DATABASE UPLOAD
341302	STATIC PORT FLUSHNESS INSP - RVSM	980640	SB 150-27-064 ELEV / SERVO TAB ASSY FIT INSP
342702	STBY DISPLAY UNIT EMERG PWR SUPPLY - CAP CK	980660	SB 150-57-066 WG TO FS FAIR -INSTL IMPROVE
342705	PWR SUPPLY, EMERG (PS 835D)	980720	SB 150-52-072 MED FIT IMPROVEMENTS
342711	STBY DISPLAY UNIT	980740	SB 150-28-074 AFT MOTIVE FLOW FUEL SUPPLY TUBE- IMPROVE LOCK WIRE INST METHOD
342712	STBY DISPLAY UNIT - OPS TEST (FAR 91.411)	980750	SB 150-27-075 FLAPS SLATS-TIME DELAY RELAY INST
345507	ATC TRANSPONDER (NO. 1) - FUNC TEST (FAR 91.413)	980751	SB 150-27-075R1 FLAPS SLATS-TIME DELAY RELAY
345508	ATC TRANSPONDER (NO. 2) - FUNC TEST (FAR 91.413)	980800	SB 150-31-080 AVIONICS / EICAS SOFTWARE VERSION V4 UPGRADE
346006	FMS NAVIGATION DATABASE - UPDATE	980810	SB 150-21-081 ECS - ORIFICE RECONFIG
451001	CRT, MAINTENANCE DIAGNOSTIC	980820	SB 150-53-082 (CTS) FLUID DRAINAGE IMPROVE
451002	MAINTENANCE DIAGNOSTIC COMPUTER - OPS TEST	980840	SB 150-53-084 HF RECEIVER BAY DRAIN TRAY MOD
496101	ELECTRONIC CONTROL UNIT, APU	980850	SB 150-52-085 MED-STOP FASTENER REPAIR
499201	FILTER ELEMENT, OIL (APU)	980880	SB 150-31-088 LT MFD HEATER - CHANGE OF PWR SUPPLY SOURCE FROM LT AVICS BUS TO RT DIST BU
499202	APU OIL FILTER DELTA P INDICATOR - INSP/CK	980910	SB 150-34-091 STATIC LINES S1 AND S2 - DRAIN RELOC
499206	APU MAGNETIC CHIP COLLECTOR - DI	980930	SB 150-25-093 CREW SEATS-CTR STRAP BUSH- HARDWARE INST INSP
521003	MED BULB SEAL - GVI	981030	SB 150-49-103 APU ECU LWR SUPPORT BRACKET REPL
521018	WEATHER SEAL, PASSENGER/CREW DOOR	981050	SB 150-53-105 INSTRUMENT PNL SUPPORT ASSY-INSP
522001	DOOR, EMERG EXIT	981060	SB 150-32-106 MLG-EMERG BRAKE TUBE CLEARANCE IMPROVEMENT
522002	DOOR, EMERG EXIT REM/ INSTL	981080	SB 150-24-108 ADD OF GRD JUMPER ON (GCU) PLATE
522005	OVERWG EMERG EXITS INCL VISIBLE PORTIONS OF JAMB - ZI	981090	SB 150-38-109 LAV SYST INST-DRAINAGE TUBE COUPLING REPL
522006	EMERG EXIT DOOR - OPS TEST		
530001	LOWER FUSELAGE EXTERNAL - ZI		
530002	UPPER FUSELAGE EXTERNAL FS 0 - FS 353 - ZI		
530003	AFT FUSELAGE / EMPENNAGE EXTERNAL - ZI		
530004	NLG WHEEL WELL INTERNAL - ZI		
530006	MLG WHEEL WELL / LWR EQUIPMENT BAY - ZI		

Updated the Equipment List section of the Weight and Balance Manual.

Reference FAA Form 337 dated 01/05/2009 for other pertinent details and approved technical data of major alterations and/or major repairs accomplished under the above work order.

Weight and Balance data has been revised and inserted into the Weight and Balance Manual.

7.2. Relocated No. 1 life raft from FS 257.00 to right forward closet, FS 149.70. Relocated No. 2 life raft from FS 257.000 to aft left closet, 332.80 FS in accordance with Custom Engineering Drawing List No. CEC2000241, Rev. NC.

INSPECTION / MAINTENANCE RECORD CONTINUATION

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- Reference flammability test report GA328020241 under Gulfstream Aerospace. For the fabric and adhesive used for the closet material to demonstrate compliance with material flammability requirements. All materials meet *F.A.R. 25.853 / 25.855* Flame Resistant Standards. Copies of Flammability Test Reports have been provided to the operator and are on file under this work order number at this Repair Station.
- Reference FAA Form 8110-3 dated 12/18/2009 to substantiate Custom Engineering Drawing List No. CEC2000241, Rev. NC.

14.71. Complied with altitude accuracy test in accordance with G150 Maintenance Manual Chapter 34-12-00.

14.75. Complied with 24 month recertification of No. 1 and No. 2 Air Data Computers, Standby Display Unit, Pitot/Static Systems Test in accordance with G150 Maintenance Manual Chapter 34-11-05, 34-12-00, FAR 91.411 and FAR 43 Appendix E and FAR 91 Appendix G for all Reduced Vertical Separation Minimums (RSVM) certified aircraft.

Standby Display Unit:

Part No.: C16221UA01	Serial No.: C16221012083	
Certified to 45,000 feet	Date Tested: 12/30/2009	Next Due: 12/2011

No. 1 Air Data Computer:

Part No.: 822-2083-001	Serial No.: 266TJ	
Certified to 48,000 feet	Date Tested: 12/15/2009	Next Due: 12/2011

No. 2 Air Data Computer:

Part No: 822-2083-001	Serial No.: 2NJCB	
Certified to 48,000 feet	Date Tested: 12/15/2009	Next Due: 12/2011

14.78. Complied with static port flushness check in accordance with G150 Maintenance Manual Chapter 34-13-05.

14.79. Complied with skin waviness check. Reference Aeromech Document AMI-G150-C100-241 dated 12/16/2009.

14.81. Complied with 24 month ATC transponder test and inspection in accordance with FAR 91.413, FAR 43 Appendix F.

No. 1 Part No.: 622-9210-008	Serial No.: 2LC9J	Date Tested: 12/15/2009	Next Due: 12/2011
No. 2 Part No.: 622-9210-008	Serial No.: 2LCGP	Date Tested: 12/15/2009	Next Due: 12/2011

18.13. Adjusted the main entrance door outer handle rod end one (1) full turn clockwise and the foot rod end one-half (1/2) turn counterclockwise.

I certify that this aircraft has been inspected in accordance with a 1A (500 Hour), 2C (24 Month) Inspection and Customer Supplied CMP under the approved manufacturer's recommended inspection program under FAR 91.409(f)(3) and is approved for return to service with regards to the maintenance accomplished. Further details of this inspection and related maintenance are on file at this Repair Station under the above work order. A copy of the work order has been provided to the operator.

AUTHORIZED SIGNATURE:

Cory R. Stauffer / cw ds

**Reduced Vertical Separation Minimum (RVSM)
Airframe Conformity Inspection Summary**

Skin Contour Analysis for RVSM Compliance
Airplane Model: Gulfstream G150


Aircraft Serial Number: 241

The airplane designated above has been inspected and analyzed in accordance with CAAI-approved procedures for RVSM airworthiness compliance. The results of the RVSM geometric analysis are provided in Table 1.

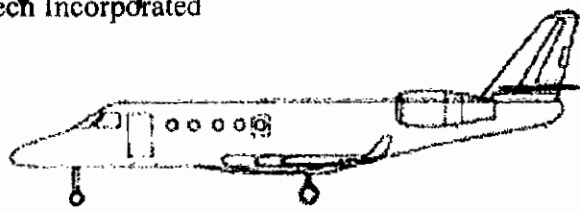
System	ΔC_p	RVSM Requirement (Aircraft Limited to 0.84 Mach)	Status
Pilot's	0.0035	$-0.0115 \leq \Delta C_p \leq 0.0065$	PASS
Copilot's	0.0017	$-0.0120 \leq \Delta C_p \leq 0.0058$	PASS

Table 1. Results of Skin Contour Analysis for RVSM Compliance
G150 SN241

This airplane meets the RVSM airframe geometry requirements for Continued Airworthiness.

Approved by: 
Flight Analyst
AeroMech Incorporated

Approval Date: 16-DEC-2009



GULFSTREAM -- AeroMech *** G150 RVSM Analysis
COORDINATION MEMO**

SUBJECT: Gulfstream G150 SN241 RVSM Analysis	NO.: AMI/GAC-09-241
AUTHOR: Frank Eleazar	DATE: 16-DEC-2009
APPROVAL: Tony Wiederkehr	MODEL: G150
ATTENTION: Cory Stauffer – GAC Savannah Robert Herman – GAC Savannah	PAGE: 1 / 2

Nothing contained herein shall be deemed to change the terms of and purchase order of contract.

1.0 Reference

1.1 E-mail from Gulfstream Savannah; RVSM Skin Waviness Data for G150 SN241

2.0 Discussion

2.1 Attached is the conformity inspection form that summarize the skin waviness analysis results for G150 SN241, as provided in Reference 1.1, for RVSM compliance. SN241 passes RVSM requirements for skin waviness.

2.2 Please note that in addition to the skin waviness analysis, the system (computed) static port step height (SPF) values shall be within $\pm 0.006"$, as computed by the formulas in the inspection worksheets. Also, the static port angularity (SPA) values must be within $0.010"$. The region surrounding the ports must be free of paint, and the paint step height must not exceed $0.010"$, as specified in the RVSM data package.

3.0 Action

3.1 For information only.

4.0 Attachments

4.1 AMI form AMI-G150-CI00-241, "RVSM Airframe Conformity Inspection Summary".

General Integ. Avionics F/T & Inst. Fleet Support Cert

Distribution: M. Bertucchi I. Hoffman G. Simmons F. Eleazar

Part/Model #: G150
 AC Serial No./Tail No.: 241 / N480JJ

Mail Remittance To:
 Gulfstream Aerospace Corporation

Overnight Remittance To:
 Gulfstream Aerospace Corporation (Box # 730349)
 c/o JP Morgan Chase Bank, NA
 ATTN: Dallas National Wholesale Lockbox TXI-0029

Wire Remittance To:
 Gulfstream Aerospace Corporation
 JP Morgan Chase Bank, NA
 Chicago, IL 60670
 Account No. 10-15825
 Fedwire Routing No. (ABA) 021 000 021
 ACH Credit Routing No. (ABA) 071 000 013

11111111111111111111

Bill To: HENDRICK MOTORSPORTS

Invoice Number: 5509117788
 Invoice Date: 12/28/2009
 Customer ID: CH077
 P.O. Number:
 Repair Station: FAA CRS GR4R216M
 In Date: 12/14/2009
 Out Date: 01/05/2010
 Payment Type: Net 30-Open terms
 Payment Terms:

Title: HENDRICK MOTORSPORTS

INVOICE SUMMARY FOR WORK ORDER NUMBER: **SC188828**

	Time & Materials	Flat Rate	Total
Labor:	\$1,035.97	\$17,650.00	\$18,685.97
Parts:	\$370.92	\$26.70	\$397.62
Detail Subtotal:	\$1,406.89	\$17,676.70	\$19,083.59
Subtotal:			\$19,083.59
Funds on Deposit:			\$0.00
Total:			\$19,083.59

Proposal - DAL0609-002-G150.241-R03

Service Bulletins, 1A (500 hr) Insp, 1C/2C (24 mo) Insp, Power Brake Valve Retrofit, Cabin Interior Placard Replacement, S/B's

MSP

Contract No.: 440026972

Expiration Date: 02/09/2013

Status: Good

Bill To: HENDRICK MOTORSPORTS

WO #: SC188828

Invoice Number: 5509117788

Item: 1 Airframe Gulfstream G150

Team Manager: Shane Walters

Customer Coordinator: Robert Herman

Part/Model #: G150

AC Serial No./Tail No.: 241 / N480JJ

TSN/TSO:

CSN/CSO:

Aircraft Time:

Discrepancy: 1.1 Return To Service After Inspection - FAR 91.409 (f)(3).

Resolution: ACTT: 612.1

ACTL: 440

Date: 1/5/2010

The following squawks /steps were completed under the above listed work order number:

1.1-1.22, 5.1-5.24, 6.1-6.3, 7.1-7.17, 8.1-8.31, 9.1-9.2, 10.1-10.2, 12.1-12.26, 13.1-13.4, 14.1-14.96, 15.1, 16.1-16.28, 17.1, 18.1-18.6, 19.1, 20.1-20.2

The following items require flight checks per published procedures (NONE)

The following items are deferred per an approved MEL (NONE)

The following items are requested to be evaluated during this flight (NONE)

Operator / Pilot Acceptance

X _____ . Date 1/5/2010

I certify that this aircraft has been inspected in accordance with a Due Inspection (1A, 1C, & 2C) under the approved manufacturer's recommended inspection program under FAR 91.409 (f)(3) and is approved for return to service with regards to the maintenance accomplished. Further details of this inspection and related maintenance are on file at this repair station under the above work order. A copy of the work order has been provided to the operator.

Printed Name: CORY R. STAUFFER

Authorized Signature:



Labor: No Charge

N/C

Discrepancy: 1.2 Inbound/Outbound Inspection

Resolution: COMPLIED WITH INBOUND/OUTBOUND INSPECTION

Labor: No Charge

N/C

Step: 1.2.1 Completed Inbound/Preliminary Inspection

Step: 1.2.2 Completed Outbound Inspection

Discrepancy: 1.3 Preflight Inspection

Resolution: Complied with preflight per Travler RSQCT-270 Rev 2

Labor: No Charge

N/C

For detail description of the work complied with see the Work Order Detail report.

Bill To: HENDRICK MOTORSPORTS

WO #: SC188828

Invoice Number: 5509117788

Step: 5.5.1 Completed Comply with paint requirements per SB 150-57-066
 Step: 5.5.2 Completed installed right wing to body fairing, Partially installed left wing to body fairing, missing 6ea. screws. Panels require sealing per G150 MM 57-00-00
 Step: 5.5.3 Completed Installed left wing to body fairing ref: G150 MM 57-00-00
 Step: 5.5.4 Completed Panels require sealing per G150 MM 57-00-00
 Step: 5.5.5 Completed Lt and Rt overwing fairings require paint
 Step: 5.5.5.1 Completed FINISH SANDING LT SIDE FILLET.BUFFED SURROUNDING AREA FOR A GOOD COLOR MATCH .TENT AND VENT,ALODINE,CORROSION PRIMED AND PAINT/BLEND AS NEEDED PER GAMPS 4000 REV-D

Discrepancy: 5.6 CMP G150 980720 SB 150-52-072 - Main Entry Door - Fit Improvements

Warranty

Resolution: COMPLIED WITH CMP G150 980720 SB 150-52-072 - Main Entry Door - Fit Improvements

Labor: No Charge N/C
 Parts: No Charge N/C

Parts:

Ref. No.	Part number:	Description	Quantity
5.6 #1	25G3121400-501A16-001	FILLER	1
5.6 #2	25G3121400-501A16-002	FILLER	1
5.6 #4	CR3212-4-4	RIVET	12
5.6 #7	NAS9302B4-07	RIVET	8

Step: 5.6.1 Completed Removed the following items for mech access: The acoustical curtain and track and the entry way headbumper. All work was performed per the CCMH 25-23-01.
 Step: 5.6.2 Completed TO BE REINSTALLED: The acoustical curtain and track and the entry way headbumper. All work was performed per the CCMH 25-23-01.

Discrepancy: 5.7 CMP G150 980740 SB 150-28-074 - Aft Motive Flow Fuel Supply Tube - Improved Lock Wire Installation Method

Warranty

Resolution: COMPLIED WITH CMP G150 980740 SB 150-28-074 - Aft Motive Flow Fuel Supply Tube - Improved Lock Wire Installation Method

Note- Hydraulic return line P/N 25GT6545035-501 not removed.

Labor: No Charge N/C
 Parts: No Charge N/C

Parts:

Ref. No.	Part number:	Description	Quantity
5.7 #1	NAS1003-3	BOLT,HEX	2

Discrepancy: 5.8 CMP G150 980750 SB 150-27-075 Flaps Slats - Time Delay Relay installation (DUAL INSPECTION)

Warranty

Resolution: COMPLIED WITH CMP G150 980750 SB 150-27-075 Flaps Slats - Time Delay Relay installation. See steps 5.8.1.1 thru 5.8.1.16 for interior maintenance completed. See steps 5.8.2.1 thru 5.8.1.5 for Avionics maintenance completed.

Labor: No Charge N/C
 Parts: No Charge N/C

Parts:

Ref. No.	Part number:	Description	Quantity
5.8 #1	T412-DJ-2350-C	RELAY	2

For detail description of the work complied with see the Work Order Detail report.

Step: 5.8.1	Completed	Interior Support complied with, see steps below for work performed.
Step: 5.8.1.1	Completed	Removed the following items for mech access: The R/H #1 seat P/N 3AEF0101(009) S/N 071128-014, The L/H #1 seat P/N 3AEF0101(010) S/N 071128-02, The R/H #2 seat P/N 3AEF0101(029) S/N 071128-03, The L/H #2 seat P/N 3AEF0101(030) S/N 071128-04, The R/H #3 seat 3AEF0101(042) S/N 071128-06 and the L/H #3 seat P/N 3AEF0101(041) S/N 071128-05. All work was performed per the CCMH 25-21-00.
Step: 5.8.1.2	Completed	Received the ok to install and installed the following items: The R/H #1 seat P/N 3AEF0101(009) S/N 071128-014, The L/H #1 seat P/N 3AEF0101(010) S/N 071128-02, The R/H #2 seat P/N 3AEF0101(029) S/N 071128-03, The L/H #2 seat P/N 3AEF0101(030) S/N 071128-04, The R/H #3 seat 3AEF0101(042) S/N 071128-06 and the L/H #3 seat P/N 3AEF0101(041) S/N 071128-05. All work was performed per the CCMH 25-21-00.
Step: 5.8.1.2.1	Completed	Received the ok to install and installed the following items: The L/H #1 seat P/N 3AEF0101(010) S/N 071128-02, The R/H #2 seat P/N 3AEF0101(029) S/N 071128-03, The L/H #2 seat P/N 3AEF0101(030) S/N 071128-04, The R/H #3 seat 3AEF0101(042) S/N 071128-06 and the L/H #3 seat P/N 3AEF0101(041) S/N 071128-05 and torqued seats to 35 inch pounds using torque wrench 558103 calibration due 4-2010. All work was performed per the CCMH 25-21-00.
Step: 5.8.1.3	Completed	Removed the following items for mech access: The vestibule carpet, The cabin center carpet, The L/H carpet and the R/H carpet.
Step: 5.8.1.4	Completed	Received ok to install and installed the vestibule carpet, The cabin center carpet, The L/H carpet and the R/H carpet. All work was performed per standard shop practices.
Step: 5.8.1.4.1	Completed	Received the ok to install and installed the following items: The L/H and R/H cabin carpet. All work was performed per the CCMH 25-27-01.
Step: 5.8.1.5	Completed	Removed the following items for mech access: The L/H aft cover bulkhead, The aft lav header assembly, The aft lav pocket doors(2) and the aft lav toilet padded backrest. All work was performed per the CCMH 25-23-00.
Step: 5.8.1.6	Completed	Received ok to install and installed the L/H aft cover bulkhead, The aft lav header assembly, The aft lav pocket doors(2) and the aft lav toilet padded backrest. All work was performed per the CCMH 25-23-00.
Step: 5.8.1.6.1	Completed	Received ok to install and installed L/H aft cover bulkhead and aft lav toilet padded backrest. Work performed per. GAMPS 2220 Rev.D.
Step: 5.8.1.7	Completed	Removed the following items for mech access: The upper headliner, The lower headliner, The headliner brackets, The PSU, The upper vanity light upper light lens, The upper vanity downwash light lens and the upper vanity. All work was performed per the CCMH 25-40-02 and 25-27-15.
Step: 5.8.1.8	Completed	REINSTALLED: The upper headliner, The lower headliner, The headliner brackets, The PSU, The upper vanity light upper light lens, The upper vanity downwash light lens and the upper vanity. All work was performed per. GAMPS 2220 Rev.D.
Step: 5.8.1.8.1	Completed	Received the ok to install and installed the upper vanity. All work was performed per the CCMH 25-40-02 and 25-27-15.
Step: 5.8.1.9	Completed	Removed the following items for mech access: The lav toilet padded seat, The lav toilet seat, The lav toilet ABS/subpanel, The lav toilet front shroud, The lav toilet backrest subpanel and the lav lower vanity. All work was performed per the CCMH 25-40-02.
Step: 5.8.1.10	Completed	Received ok to install and installed lav toilet padded seat, The lav toilet seat, The lav toilet ABS/subpanel, The lav toilet front shroud, The lav toilet backrest subpanel and the lav lower vanity. All work was performed per GAMPS 2220 Rev.D.
Step: 5.8.1.10.1	Completed	Received the ok to install and installed the following items: The lav toilet seat, The lav toilet ABS/subpanel, The lav toilet front shroud, The lav toilet backrest subpanel and the lav lower vanity. All work was performed per the CCMH 25-40-02.
Step: 5.8.1.11	Completed	Removed the following items for mech access: The aft closet fwd bulhead, The aft closet inboard closeout, The aft closet shell, The aft closet bottom closeout, The aft lav towel holder and the aft lav water tank. All work was performed per the CCMH 25-40-02 and 25-22-05.
Step: 5.8.1.12	Completed	Removed the L/H heater duct for mech access. All work was performed per the CCMH 21-23-05.
Step: 5.8.1.13	Completed	Received the ok to install and installed the L/H heater duct for mech access. All work was performed per the CCMH 21-23-05.
Step: 5.8.1.14	Completed	Received ok to install and installed aft closet fwd bulhead, The aft closet inboard closeout, The aft closet shell, The aft closet bottom closeout, The aft lav towel holder and the aft lav water tank. All work was performed per GAMPS 2220 Rev.D.
Step: 5.8.1.14.1	Completed	Received the ok to install and installed the following items: The aft closet fwd bulhead, The aft closet inboard closeout, The aft closet shell and the aft closet bottom closeout, All work was performed per the CCMH 25-40-02 and 25-22-05.
Step: 5.8.1.15	Completed	Received ok to install and installed L/H #1,2,3 and R/H #2,3 seat base covers. Work performed per. GAMPS 2220 Rev.D.

For detail description of the work complied with see the Work Order Detail report.

Bill To: HENDRICK MOTORSPORTS

WO #: SC188828

Invoice Number: 5509117788

Step: 5.8.1.16 Completed Installed R/H #1 seat P/N 3AEF0101(009) S/N torqued seat to 35 inch pounds using torque wrench 558099 calibration 7/15/09. All work was performed per the AC 241 CCMH 25-21-00.

Step: 5.8.2 Completed Avionics.

Step: 5.8.2.1 Completed Fabricate wiring as required, Prepare aircraft for safe maintenance, Lower flaps to 40°, Disconnect external electrical power from aircraft and Disconnect main batteries.

Step: 5.8.2.2 Completed Performed operational check on the affected system with no defects noted. All work in accordance with CB 150-27-075. (DUAL INSPECTION)

Step: 5.8.2.3 Completed Relay and support bracket installation

Step: 5.8.2.4 Completed Using relay sockets (6), P/N M12883/40-01, perform wiring modification as depicted in Table 1 and Figure 2, Sheets 1 and 2.

Step: 5.8.2.5 Completed Perform continuity check of all newly installed wiring after modification including connectors 123C1, 124C1 and 130C1, 131C1. Refer to Figure 2, Post SB 150-27-075.

Discrepancy: 5.10 CMP G150 980820 SB 150-53-082 Carry Through Structure (CTS) Fluid Drainage improvement

Warranty

Resolution: COMPLIED WITH CMP G150 980820 SB 150-53-082 Carry Through Structure (CTS) Fluid Drainage improvement

Labor: No Charge N/C

Parts: No Charge N/C

Parts:

Ref. No.	Part number:	Description	Quantity
5.10 #1	25G3140000-501A02-003	PARTITION, FORWARD CTS LEFT SIDE	1
5.10 #2	25G3140000-501A02-007	PARTITION, FORWARD CTS RIGHT SIDE	1
5.10 #3	25G3140000-501A02-009	PARTITION, AFT CTS RIGHT SIDE	1
5.10 #4	25G3140000-501A02-010	PARTITION, AFT CTS LEFT SIDE	1
5.10 #5	25G3140000-501A02-025	PARTITION, FORWARD CTS RIGHT SIDE	1
5.10 #6	MS21266-1N	GROMMET-PLASTIC EDGING	4
5.10 #7	RC500-10-3	NUT	12

Discrepancy: 5.11 CMP G150 980840 SB 150-53-084 - High Frequency (HF) Receiver Bay Drain Tray Modification

Warranty

Resolution: COMPLIED WITH CMP G150 980840 SB 150-53-084 - High Frequency (HF) Receiver Bay Drain Tray Modification

Labor: No Charge N/C

Parts: No Charge N/C

Parts:

Ref. No.	Part number:	Description	Quantity
5.11 #1	150-53-084	SB / FUSELAGE - AFT FUSELAGE - HF RECEIVER BAY DRAIN TRAY INSTALLATION / REWORK 201-276	1
5.11 #2	BACN10MK3-65	NUTPLATE	5

Discrepancy: 5.12 CMP G150 980850 SB 150-52-085 - Main Entry Door - Stop Fastener Repair

Warranty

Resolution: COMPLIED WITH CMP G150 980850 SB 150-52-085 - Main Entry Door - Stop Fastener Repair

For detail description of the work complied with see the Work Order Detail report.

Discrepancy: 7.16 The l/h fwd storage cabinet finish is scratched in several places.

Resolution: Drip filled all scratches with CA40, touched up areas with mohawk blendal powders, sanded with 800-3000 grit sandpaper, buffed with 3m compound and machine glaze. All work was completed in accordance with MEPS 8500-11 Rev. A.

Labor: No Charge

N/C

Step: 7.16.1 Completed L/H fwd storage cabinet has scratches.

Discrepancy: 7.17 Item opened for removal of aft lav pocket doors for eval flight.

Resolution: Reinstalled lav pocket doors Ref G150 CCMH 25-23-00. Ops check good.

Step: 7.17.1 Completed Removed R/H and L/H aft lav pocket doors for eval flight.

Step: 7.17.2 Completed REQUIRES INSTALLATION, R/H and L/H aft lav pocket doors.

Item: 8 Mechanical

Team Manager: Shane Walters

Part/Model #:

Customer Coordinator: Robert Herman

AC Serial No./Tail No.:

TSN/ISO:

CSN/CSO:

Aircraft Time:

Discrepancy: 8.1 Accomplish Power Brake Valve Retrofit (DUAL INSPECTION)

Warranty

Resolution: SUMMARY:

Received ok and installed modified Power Brake Valve (p/n 2288-0000-000, s/n IL-037A). G150 CMP 324405. After leak checking power brake valve found two lines leaking. Removed two leaking unions and replaced with new O-rings. Re-installed unions and reconnected hydraulic lines. Leak checked again with no more leaks. Work performed in accordance with SB 150-32-106. Ref tem 5.18 for brake bleeds C/W during SB 106 compliance.

Labor: No Charge

N/C

Parts: No Charge

N/C

Parts:

Ref. No.	Part number:	Description	Quantity
8.1 #1	2288-0000-000	POWER BRAKE CONTROL VALVE	1
8.1 #3	25G3512950-001	GASKET POWER BRAKE	1
8.1 #4	NAS1612-4A	SEAL, 0.250 INCH OD TUBING	2

For detail description of the work complied with see the Work Order Detail report.



INSPECTION AND MAINTENANCE RECORD

MODEL: G-150	ACTT: 484.0	LT/RT ENGINE: 332
SERIAL NO: 241	ACTL: 332	APUTT: 314.2
TAIL NO: N480JJ	DATE: 7/22/09	APUTC: 629

COMPLETED THE FOLLOWING MAINTENANCE THIS DATE:

REFERENCE WORK ORDER 480072209.

1-324215, 324201, 324205, 122211 REPLACED (#1) LEFT OUTBOARD MAIN WHEEL AND TIRE ASSEMBLY P/N 25G2550010-501, S/N MAR01-755 WITH OVERHAULED WHEEL P/N 5006566, S/N JUL91-346 AND NEW TIRE S/N 8052U09014.

2-324216, 324202, 324206, 122211 REPLACED (#2) LEFT INBOARD MAIN WHEEL AND TIRE ASSEMBLY P/N 25G250010-501, S/N FEB08-1354 WITH OVERHAULED WHEEL P/N 5006566, S/N MAY92-371 AND NEW TIRE S/N 7344U09063.

3-324217, 324203, 324207, 122211 REPLACED (#3) RIGHT INBOARD MAIN WHEEL AND TIRE ASSEMBLY P/N 25G2550010-501, S/N MAY95-414 WITH OVERHAULED WHEEL P/N 5006566, S/N JUL06-931 AND NEW TIRE S/N 8051U09012.

4-324218, 324204, 324208, 122211 REPLACED (#4) RIGHT OUTBOARD MAIN WHEEL AND TIRE ASSEMBLY P/N 25G250010-501, S/N OCT99-648 WITH OVERHAULED WHEEL P/N 5006566, S/N JAN99-600 AND NEW TIRE S/N 8052U09007.

5-324311, 324301, 324403 REPLACED (#1) LEFT OUTBOARD BRAKE ASSEMBLY P/N 5006575-1, S/N SEP07-1032 WITH OVERHAULED BRAKE ASSEMBLY S/N SEP06-167.

6-324312, 324301, 324403 REPLACED (#2) LEFT INBOARD BRAKE ASSEMBLY P/N 5006575-1, S/N SEP07-1031 WITH OVERHAULED BRAKE ASSEMBLY S/N MAY00-669.

7-324313, 324301, 324403 REPLACED (#3) RIGHT INBOARD BRAKE ASSEMBLY P/N 5006575-1, S/N SEP07-1028 WITH OVERHAULED BRAKE ASSEMBLY S/N APR99-587.

8-324314, 324301, 324403 REPLACED (#4) RIGHT OUTBOARD BRAKE ASSEMBLY P/N 5006575-1, S/N SEP07-1027 WITH OVERHAULED BRAKE ASSEMBLY S/N AUG00-678.

9-121501 HYDRAULIC SYSTEM RESERVOIR (MAIN) – SERVICING.

10-324802 PARKING/EMERGENCY BRAKE SYSTEM – BLEEDING.

11-243016 MAIN BATTERY (NO. 2) – FUNCTIONAL CHECK.

12-243402 MAIN BATTERY (NO. 2) – REMOVAL/INSTALLATION – REPLACED NO. 2 BATTERY P/N 276CH7, S/N 04485 WITH OVERHAULED BATTERY S/N S02956.

13-263141 HALON PORTABLE FIRE EXTINGUISHER (COCKPIT) – INSPECTION.

14-263142 HALON PORTABLE FIRE EXTINGUISHER (CABIN) – INSPECTION.

15-72001, 720002 ELECTRICAL WIRING AND CONNECTIONS – VISUAL INSPECTION.

16-720003, 720004 PLUMBING LINES AND CONNECTIONS – VISUAL INSPECTION.

17-720005, 720006, INLET/FAN AREA – VISUAL INSPECTION.

18-720007, 720008 TAILPIPE AND LPT3 ROTOR ASSEMBLY – VISUAL INSPECTION.

19-791013, 791014 CHIP DETECTOR – INSPECT FOR CONTAMINATION.

END

I CERTIFY THAT THE MAINTENANCE PERFORMED ON THIS AIRCRAFT WAS ACCOMPLISHED IAW MFG MM AND ACCEPTABLE PRACTICES. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE IN REGARDS TO THE WORK ACCOMPLISHED

DARRELL A HUDSON

[REDACTED]

[REDACTED]

[Handwritten signature]

INSPECTION / MAINTENANCE RECORD

MODEL: G150 **ACTT:** 111.7
SERIAL NO.: 241 **ACTL:** 64
REG: N480JJ **DATE :** 04/06/08
WORK ORDER NO: SC13210

Accomplished the Following Maintenance:


Replaced Data Concentration Unit (DCU) Rack P/N MT6-6342-102, with DCU Rack P/N MT6-6342-103; Ref. Gulfstream Dwg. GA342080001, rev. E.
Re-Positioned Lavatory Dump Valve in accordance with I.A.I. Engineering Order Document Identifier # 25G3502110-501A02.
Replaced No. 1 ADC P/N 822-2083-001, S/N 2NJ1M, with overhauled ADC P/N 822-2083-001, S/N 266TJ; complied with Functional Checks and Pitot-Static system Reconnect Check.

Accomplished the Following G150 CMP's:

- 315001 EICAS – Functional Test
- 315002 EICAS Aural Alert – Operational Test
- 315010 Data Concentration Unit – Removal/ Installation
- 324503 Antiskid Control Unit – Removal/Installation
- 324501 Antiskid – Functional Test
- 341201 Altitude Accuracy Test for Operation in Reduced Separation Minimum Airspace
- 341203 Pitot-Static System (Pilot) – Reconnect Check
- 341204 Pitot-Static (Copilot) – Reconnect Check
- 341205 Pitot –Static (Standby) – Reconnect Check
- 341211 Air Data Computer (No.1) – Removal/Installation
- 341213 Air Data Computer (No.1) – Functional Check
- 341214 Air Data Computer (No.2) – Functional Check
- 342302 Attitude Heading Computer – Removal / Installation
- 342310 Attitude Heading Computer(No.2) – Functional Test

Aircraft has been Inspected and maintained in Accordance with the Manufacturers Recommended Maintenance Program, and has been found to be in an Airworthy Condition with Regard to The Maintenance Performed and is approved for Return to Service.

Authorized Signature: 

Mike Raridon

Gulfstream Aerospace Corp.
Dallas, Texas

CMP

G150

COMPUTERIZED MAINTENANCE PROGRAM


CMPnetSM

REGISTRATION N480JJ	SERIAL NO. 241	TITLE Thrust Reverser Control Unit (Right) - Removal / Installation	783452 Page 1 of 1
LOGBOOK Airframe	AUTHORITY Part 91.409(f) (3)		PARENT CODE / OPERATION
AIRFRAME HOURS 1183.0	AIRFRAME CYCLES 905 907	COMPLIANCE REMARKS	TASK TYPE On-Condition Part
1187.0			ZONE/ACCESS
ESTIMATED HOURS 6.0	SKILL	REQUIREMENTS REFERENCE G150 AMM 78-34-15	PROCEDURE REFERENCE 78-34-15 REV/ISS: 30 May 2009

NOTE: SERVICE CODES ARE COLLECTED AND ANALYZED BY THE MANUFACTURER TO IMPROVE THE MAINTENANCE PROGRAM AND TO INCREASE THE RELIABILITY OF THE AIRCRAFT. IT IS IMPORTANT THAT TECHNICIANS PROVIDE ACCURATE SERVICE CODES AND INSPECTION FINDINGS WHEN COMPLETING A MAINTENANCE WORK CARD.

FAX ALL COMPLETED WORK CARDS TO GULFSTREAM CMP GROUP AT 1-912-963-0265 OR TOLL FREE 1-800-844-1775.

PART REMOVAL CODES	MAFUNCTION CODE - USE WITH 'B' REMOVAL CODE ONLY				INSTALLED PART STATUS
A. TIME CHANGE	1. ADJUST OR ALIGN IMPROP	5. BURNED/OVERHEAT	11. EXCESSIVE VIBRATION	16. INTERMITTENT	N. NEW
B. PREMATURE FAILURE	2. BEARING FAULT/WORK	7. CONTAMINATED/DIRTY	12. FAILED/DAMAGED (RESULT OF OTHER MALF)	17. LEAKING	O. OVERHAULED
E. MAINT CONVENIENCE	3. BENT, DENT, OR CRACKED	8. CORRODED	13. FAILED TO OPERATE	18. LOOSE	R. REPAIRED
F. MODIFICATION	4. BINDING OR STUCK	9. DELAMINATED	14. FAILED DIAG/AUTOMATIC/B'S TEST	19. PITTED/NICKED/CHIPPED/SCORED/SCRATCHED	S. SERVICEABLE
M. TIME CHANGE	6. BROKEN	10. DOES NOT MEET SPECS	15. FLUCTUATES ERRATICALLY	20. WORN/DEN/FRAYED	X. OTHER-SEE 6130-2(BLK12)

PART NUMBER OFF	AS7836706-1	RMK CODE	MAL CODE	INSTALLED PART DETAILS	HOURS	CYCLES	DATE
SERIAL NUMBER OFF	00122	B	16	TSN			
PART NUMBER ON	AS7836706-1	INSTL STATUS	INSTL TIMES	TSO			
SERIAL NUMBER ON	00136	S		TSR	0	0	10-28-11

USE TABLE

MAINT TAG: _____ MOD STATUS: _____ HW VERSION: _____ SW VERSION: _____ WARRANTY: _____

MANUFACTURER: _____ VENDOR: _____ MAT'L COST: _____ LABOR HRS: _____

TECHNICIAN SIGNATURE Jason Campbell	CERTIFICATE # [REDACTED]	COMPLIANCE DATE 10-28-2011
INSPECTOR SIGNATURE	CERTIFICATE #	DATE

THE FOLLOWING RELATED CODES WERE ACCOMPLISHED AS INDICATED			RMK CODE	TECH	INSP
122001	Safe Ground Maintenance Procedure	Inspection		30	
783002	Thrust Reverser (Right) - Adjustment / Test	Service		30	

WORK ORDER: _____

FACILITY: _____

CERTIFICATE: _____



001003295777

INSPECTION AND MAINTENANCE RECORD

~~1187.1~~ ~~1187.1~~
MODEL: G-150 ACTT: ~~1183~~ LT/RT ENG TT: ~~1183~~ DATE: 10/28/2011
SERIAL NO: 241 ACTC: ~~903907~~ LT/RT ENG TC: 903
TAIL NO: N480JJ APUTT: ~~787.5~~ / APUTC: 1546

COMPLETED THE FOLLOWING MAINTENANCE THIS DATE:

1-RESEALED #4 BRAKE SWIVEL . LEAK CHECK GOOD.
2-783452, 783002 THRUST REVERSER CONTROL UNIT (RIGHT) –
REMOVAL/INSTALLATION. REMOVED P/N AS7836706-1, S/N 00122.
INSTALLED INSPECTED UNIT S/N 00136.

END

I CERTIFY THAT THE MAINTENANCE PERFORMED ON THIS AIRCRAFT WAS
ACCOMPLISHED IAW MFG MM AND ACCEPTABLE PRACTICES. THIS
AIRCRAFT IS APPROVED FOR RETURN TO SERVICE IN REGARDS TO THE
WORK ACCOMPLISHED

DARRELL A HUDSON

[Redacted Signature]



Aircraft Maintenance Logbook

241-0031

Make	Model	Serial #	Registration	Engines	APU
GULFSTREAM	G-159	241	N480JJ	HONEYWELL TFE731-40AR-200G	HONEYWELL RE100 (CS)
<p>74 brake swivel is taking hydraulic fluid</p> <p>Discovered By: [redacted] Date Discovered: 10-27-2011</p> <p>Category: [redacted]</p>					
<p>Assembled # 4 brake swivel 3AW G-150 mm at 32-42. Ops checked good.</p> <p>On PIN: NMS161-128 Date Inspected: [redacted]</p> <p>Corrected By: [redacted] Date Corrected: 10-27-2011</p> <p>Category: N/A</p>					
<p>11870 MEL 907 MBI 1870 MEL 907 MBI</p> <p>Discovered By: [redacted] Date Discovered: 10-28-2011</p> <p>Category: [redacted]</p>					
<p>Right side thrust reverser control unit has intermittent erroneous indication in t to DCU.</p> <p>Discovered By: [redacted] Date Discovered: 10-28-2011</p> <p>Category: [redacted]</p>					
<p>11870 MEL 907 MBI 1187 MBI 907 MBI</p> <p>Discovered By: [redacted] Date Discovered: 10-28-2011</p> <p>Category: [redacted]</p>					
<p>Right side thrust reverser control unit with repaired unit 3AW 150 mm ch. 78</p> <p>On PIN: AS7836706-1 Date Inspected: [redacted]</p> <p>Corrected By: [redacted] Date Corrected: 10-28-11</p> <p>Category: [redacted]</p>					
<p>Spancy #3: ACTT: [redacted] Li Eng TC: [redacted]</p> <p>Date Discovered By: [redacted]</p> <p>Discovered by MEL Page [redacted] Item [redacted] Category [redacted]</p>					
<p>Spancy Action: ACTT: [redacted] Li Eng TC: [redacted]</p> <p>On PIN: [redacted] Date Inspected: [redacted]</p> <p>Corrected By: [redacted] Date Corrected: [redacted]</p> <p>Category: [redacted]</p>					

ROUTING: THIS COPY TO MAINTENANCE