

GULFSTREAM G200

MAINTENANCE MANUAL

AIRWORTHINESS LIMITATIONS SECTION P/N G200-1001-09 (POST SB 200-05-280)

1. Airworthiness Limitations Section

A. Introduction

The Airworthiness Limitations section is Civil Aviation Authority of Israel (CAAI) approved and specifies maintenance required under Israeli Air Navigation Regulations (ANR) Chapter 7 Section 126 (equivalent to sections 43.16 & 91.403 of the Federal Aviation Regulations) unless an alternative program has been CAAI approved. The signed CAAI approval form is kept on file with Gulfstream Aerospace Publications.

These Airworthiness Limitations are mandatory actions derived from the certification activities, namely, the Damage Tolerance Analysis and the Fatigue Tests. This section presents the maintenance actions established in order to fully comply with the requirements of Title 14 CFR 25.571 and 25.1529 and, therefore, are required to be accomplished in strict compliance with the life limits, maximum intervals limits, inspection methods and PSE location established herein. The Airworthiness Limitations are a result of the Engineering Certification analysis and have been approved by CAAI. The Airworthiness Limitations may only be revised with the approval of the Civil Aviation Authority of Israel (CAAI).

NOTE: This publication is also applicable to model Galaxy. Gulfstream 200 is identical to Galaxy except for model designation - name change only.

Damage tolerance analysis of the Gulfstream G200 shows that the aircraft structure can safely sustain damage in the form of cracks permitting timely detection and repair of cracks.

The Airworthiness Limitations Section provides a set of procedures for inspection points of the following six major aircraft components:

- Forward fuselage
- Carry-through structure
- Aft fuselage (including Engine Supports)
- Empennage
- Wing
- Landing gears

For each of these sections, a summary table of the inspection points is presented below. See Table 3.

These tables give, for each major aircraft structural component, a list of structural points where inspections are to be carried out. For each inspection point the following are given:

- The structural part and location to be inspected
- The inspection method to be used
- The number of flights before the first inspection (initial inspection threshold)
- The number of flights between all further inspections (repeat inspection intervals)
- Effectivity

The Airworthiness Limitations Section stipulates, by means of Continued Airworthiness Inspection Tables, explicit inspection procedures and intervals for the detection of structural cracks throughout the life of the aircraft. This is facilitated by the information presented in this Airworthiness Limitations Section.

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Airworthiness Limitations inspections (see Table 3) are specified on the basis of flights and not of flight hours. Airframe inspection items will reflect the total flight cycles of the aircraft. Inspections conducted on a Line Replaceable Unit (LRU), (i.e., flaps, spoilers etc.) will be tracked by the total flights of the LRU itself and not total aircraft flights. To allow the scheduling of structural inspections to coincide with a general maintenance check, an inspection overfly tolerance of +5% is allowed. For an inspection accomplishment at a time earlier than the published interval, subsequent inspections are to be scheduled at the specified REPEAT inspection interval, see Figure 1 for examples, and may be accomplished at no later than +5% of the REPEAT interval. Compliance of the inspection greater than the REPEAT Interval +5% is not allowed.

An item that has become overdue for an aircraft as the result of a revision to the ALS (which included a new item or a reduced threshold and / or frequency reduction) may be accomplished, unless specifically stated otherwise, at the next inspection interval, not to exceed 500 hours.

The aircraft is not authorized to fly more than 20,000 flights.

If cracks are detected in any of the specified inspections, this information must be reported immediately to Israel Aircraft Industries (IAI) and Gulfstream Aerospace LP. Customer Service will then advise on the procedure to be followed. A form for reporting inspection results is provided in Table 2 of this section.

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10,000 INITIAL 2000 RECURRING (EARLY COMPLIANCE = 7000)

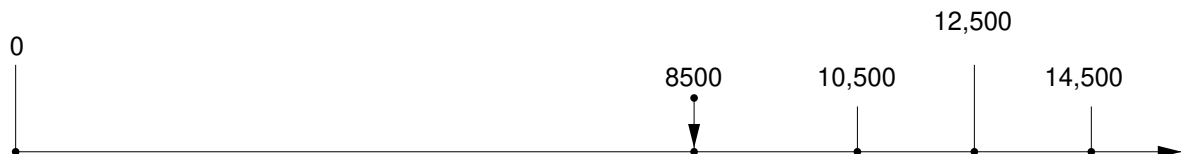
If time remaining after early compliance is greater than the recurring interval, the next inspection due is at the original initial due time.



For initial compliance early at 3000 cycles having 7000 cycles remaining until the original threshold interval, the next requirement is at the original 10,000 cycles then recurring at 2000 cycles.

10,000 INITIAL 2000 RECURRING (EARLY COMPLIANCE = 1500)

If time remaining after early compliance is less than the recurring interval, the next inspection due is at the recurring interval from the actual accomplished point.



For initial compliance early at 8500 cycles having less than 2000 cycles remaining until the original due time, the next requirement is at 10,500 cycles and all subsequent requirements are recurring at 2000 cycles.

TIL-035311

Early Inspection Compliance
Figure 1

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For abbreviations used in the airworthiness limitations inspections, see Table 1.

Table 1: Airworthiness Limitations Inspection Abbreviations

AF -	Aft Fuselage	LHS -	Left Hand Side
CTS -	Carry Through Structure	MLG -	Main Landing Gear
E -	Empennage	NLG -	Nose Landing Gear
FF -	Forward Fuselage	RHS -	Right Hand Side
HFEC -	High Frequency Eddy Current	TE -	Trailing Edge
HS -	Horizontal Stabilizer	US -	Ultrasound
LE -	Leading Edge	VS -	Vertical Stabilizer
LFEC -	Low Frequency Eddy Current	W -	Wing
LG -	Landing Gear		

Table 3 contains a list of structural inspections along with the specific description, initial threshold, repeat interval and Computerized Maintenance Program (CMP) Reference.

Table 4 contains a requirement to visually inspect for external damage to the skin of unpainted aircraft.

Table 5 contains a list of all CMR tasks.

Table 6 contains temporary limitations and inspection requirements.

Table 7 contains a list of life limited components.

B. Log of Revisions

REVISION	DESCRIPTION	DATE
GALAXY		
00	Basic Issue	12/15/98
01	Incorporation of SB Galaxy-52A-023.	09/20/99
02	Revision of CMR and addition of Table 8 (relocation of material)	06/30/00
GULFSTREAM		
1	(1) Complete change of inspection requirements updated following revision C of report 4AS032/981049, approved with Mod 10021. (2) CMP Ref added in Tables 1 through 6. (3) Addition of CMP Ref in Appendix 1 instead of task numbers. (4) In Appendix 1, CMP 213015 - task name changed to Safety Valve Functional Check. (5) In Appendix 1, CMP 21320 - task name changed to Emergency Battery Capacity Test. (6) Table 7, Baggage Compartment Door, limitation removed SB Galaxy 52A-23, implemented on all affected aircraft. (7) Table 8 renamed to Table 7.	08/30/03

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REVISION	DESCRIPTION	DATE
2	ALS format changed in section 05-10-10 to become similar to standard Gulfstream Manual format.	08/17/06
3	Added Appendix to 05-10-10. Revision 10 of Appendix 2 Temporary Limitations and Inspection Requirements added to 05-10-10. All future revisions to the Temporary Limitations and Inspections Requirements will be documented on the 05-10-10 Log of Revisions.	10/15/06
4	Temporary Limitation AWL-9 extended to comply at 4800 flight hours.	12/18/07
4-1	ALS Temporary revision 4-1 released in AMM Temporary Revision 5-1. Added AWL-11. Changed Safety Valve Unpressurized - Functional Check from **CMR at 1200 flight hours to *CMR at 300 flight hours. Added Aneroid Switch - Functional Check as a *CMR at 12 months.	08/09/07
4-2	ALS Temporary revision 4-2 released in AMM Temporary Revision 5-2. Added notes to CMR table to clarify accomplishment requirements for Safety Valve and Aneroid Switch checks added in AMM Temp Rev 5-1.	09/20/07
5	(1) Added CAAI approval statement. (2) Editorial corrections to Table 2. (3) Editorial format changes. (4) Changed note to clarify accomplishment requirements for Safety Valve - Functional Test (5) Extended 8 Temporary Limitation AWLs from 3600 flight hours to 7200 flight hours. (6) Added SB 21-327 R1 changing 4 month compliance requirement to 7 months.	12/30/07
6	(1) Reformatted to CAAI requirements. (2) Updated to Continued Air Worthiness Document Revision E and F (approved by Mod G2-10159). (3) MLG Shock Strut Lower Union Bolt Replacement Analysis Revision New.	04/30/09
7	(1) Added ALS inspection reporting instructions.	02/28/2009
8	(1) Editorial changes.	10/31/2011
9	(1) Updated Safety Valve Functional Check and Aneroid Switch Functional Check requirements based on release of SB 200-21-378.	4/30/2012
10	(1) Added compliance statement. (2) Added paragraph for items overdue as a result of revision to ALS. (3) Changed interval for Emergency Battery — Capacity Test based on P/N. (4) Moved Emergency Brakes — Operational Check to 05-20-01. MRB 32-43-00/04 satisfies CCMR. (5) Added Discrete EICAS Display Outputs - Interface Test to CMR Table.	10/28/2012
11	(1) Reformatted tables. (2) Added CMP codes to Main Landing Gear Shock Absorber to Trailing Link Attachment Cross Bolt — Discard. (3) Corrected CMP codes for Main Landing Gear Actuator Attachment Bushing — Discard and FF10 J-Longeron at Aft Bulkhead — NDT Inspection.	10/31/2013

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REVISION	DESCRIPTION	DATE
12	(1) FF 47 Fuselage Skin Frame Attachment - NDT Inspection, added aircraft effectivity note "Aircraft 004 thru Aircraft 092". (2) Emergency Battery - Capacity Test, for part number 276CH7 revised interval from "1A" to "1A or 1C whichever occurs." (3) Airworthiness Limitations Section Inspection Reporting Procedure, revised Note to correct FAX number and relocated reporting procedure above Airworthiness Limitations Section Inspections for clarity.	12/15/2014
13	(1) Updated Temporary Limitation and Inspection Requirements Table with the latest Service Bulletin revisions.	08/30/2015
14	(1) Corrected fuselage station for inspection points AF 1.3.2, 1.4.1, 1.4.2 and 1.4.3. (2) Added a visual inspection for E 1.4a Horizontal Stabilizer Aft Attachment Sleeves and Pins.	08/30/2016
15	(1) Clarified the Airworthiness Limitations inspections compliance tolerances. (2) Added illustration to show early inspection compliance tolerances. (3) AWL-10, changed data for SB 53-271 back to what they were prior to Airplane Maintenance Manual Revision 27, to correct error.	07/31/2017
16	(1) W 19, revised initial inspection interval. (2) W 21.1, revised PSE item title, type and repeat interval. (3) W 21.2, revised repeat interval. (4) W 21.3, deleted PSE item (3) W 22, added PSE item.	04/30/2025

C. Airworthiness Limitations — Structural Inspections

(1) Airworthiness Limitations Section Inspection Reporting Procedure

Reporting of inspection results is required to ensure continued airworthiness of the fleet is maintained. This procedure contains the necessary reporting information which is to be used whenever a Principal Structural Element (PSE) inspection is accomplished. All discrepancies must be accompanied by digital photograph(s).

NOTE: Inspection results, both positive and negative, are to be reported to Gulfstream Maintainability Engineering. Complete Table 2 with inspection results. Return completed table to Gulfstream Maintainability Engineering, maintainability.engineering@gulfstream.com. Discrepancies must be reported within 24 hours. Discrepancies must be accompanied by digital photograph(s).

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Table 2: PSE Inspection Results

PSE NUMBER	CMP NUMBER	AIRCRAFT SERIAL NUMBER	AIRCRAFT TAIL NUMBER
Part Number(s) [if applicable]	Aircraft Hours	Aircraft Landings	Date of Inspection
Discrepancies Found			
No		Yes	
If yes, complete the following information.			
Location			
FS		BL	WL
Size			
Orientation			

(2) Airworthiness Limitations Section Inspections

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF 1.1 AF 1.2	AF 1.1, AF 1.2 Fuel Tank Bulkhead FS 520.46 (13220 mm) and Stiffeners Attachment to Bulkhead Web - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-31-02	533106
AF 1.3.1	AF 1.3.1 Stiffener BL ± 9.05 (± 230 mm) at WL 82.06 (2085 mm) - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-31-01	533102
AF 1.3.2	AF 1.3.2 Fuel Tank Bulkhead FS 520.47 (13220 mm) Stiffeners - Visual Inspection NOTE: Aircraft 004 thru Aircraft 037, Aircraft 039.	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533110
AF 1.3.3	AF 1.3.3 Fuel Tank Bulkhead FS 520.47 (13220 mm) Stiffeners - Visual Inspection NOTE: Aircraft 038, Aircraft 040 thru Aircraft 999.	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533115
AF 1.4.1	AF 1.4.1 Fuel Tank Bulkhead FS 520.47 (13220 mm) for Aircraft 004 thru Aircraft 046 - NDT Inspection NOTE: Aircraft 004 thru Aircraft 046.	HFEC	5000 flight cycles	5000 flight cycles	53-31-02	533107
AF 1.4.1	AF 1.4.1 Fuel Tank Bulkhead FS 520.47 (13220 mm) for Aircraft 047 thru Aircraft 999 - Visual Inspection NOTE: Aircraft 047 thru Aircraft 999.	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533101
AF 1.4.2	AF 1.4.2 Fuel Tank Bulkhead FS 520.47 (13220 mm) - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-31-02	533108
AF 1.4.3	AF 1.4.3 Fuel Tank Bulkhead FS 520.47 (13220 mm) - X-ray Inspection	X-ray	10000 flight cycles	5000 flight cycles	53-31-02	533109

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF 1.5	AF 1.5 Fuel Tank Bulkhead FS 520.46 (13220 mm) Upper and Lower Shroud Fittings - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-31-02	533103
AF 1.6.1	AF 1.6.1 Fuel Tank Bulkhead FS 520.47 (13220 mm) Upper Area - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533120
AF 1.6.2	AF 1.6.2 Fuel Tank Bulkhead FS 520.47 (13220 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533125
AF 2.1	AF 2.1 Upper Frame FS 530.70 - FS 567.91 (13480 - 14425 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-02	533202
AF 2.2 AF 2.2A	AF 2.2, AF 2.2A Side Frames FS 530.70 - FS 567.91 (13480 - 14425 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-02	533203
AF 2.3	AF 2.3 Outer Skin Attachments to Right Side Frames FS 530.70 - FS 567.91 (13480 - 14425 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-01	533104
AF 2.4	AF 2.4 Baggage Compartment Side Frame Attachments - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-02	533204
AF 2.5	AF 2.5 Baggage Compartment Inner Skin to Frame Splice - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-01	533205
AF 2.6	AF 2.6 Baggage Compartment Left Side Frame to Upper Segment Attachments - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-02	533206
AF 2.7	AF 2.7 Baggage Compartment Left Side Frame Outer Flange Attachments - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-02	533207

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF 2.8	AF 2.8 Inner Flange and Strap and Corner Fitting - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-02	533230
AF 3.1	AF 3.1 Baggage Compartment Inner Skin Attachment to Pressure Bulkhead - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-32-02	533602
AF 3.2	AF 3.2 Pressure Bulkhead FS 582 (14783 mm) Forward and Aft Webs Attachment to Upper and Lower Cap Crossbeams - NDT / Visual Inspection NOTE: Aircraft 004 thru Aircraft 083.	HFEC / Visual	5000 flight cycles	5000 flight cycles	53-33-00	533603
AF 3.2	AF 3.2 Pressure Bulkhead FS 582 (14783 mm) Forward and Aft Webs Attachment to Upper and Lower Cap Crossbeams - NDT / Visual Inspection NOTE: Aircraft 084 thru Aircraft 999.	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-33-00	533603
AF 3.2.1	AF 3.2.1 Pressure Bulkhead FS 582 (14783 mm) Aft Crossbeam Fingerplate Attachments (Aircraft 004 thru Aircraft 021) - NDT Inspection NOTE: Aircraft 004 thru Aircraft 021.	LFEC	10000 flight cycles	5000 flight cycles	53-33-00	533607
AF 3.2.1	AF 3.2.1 Pressure Bulkhead FS 582 (14783 mm) Aft Crossbeam Fingerplate Attachments (Aircraft 022 thru Aircraft 999) - Visual Inspection NOTE: Aircraft 022 thru Aircraft 999.	Visual	10000 flight cycles	5000 flight cycles	53-33-00	533608

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF 3.3.1	AF 3.3.1 Hat Section Stiffeners FS 583.97 (14833 mm) - NDT / Visual Inspection NOTE: Aircraft 004 thru Aircraft 019, Aircraft 021.	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-33-00	533604
AF 3.3.2	AF 3.3.2 Hat Section Stiffeners on Pressure Bulkhead at FS 583.96 (14833 mm) - Visual Inspection NOTE: Aircraft 020 and Aircraft 022 thru Aircraft 999.	Visual	10000 flight cycles	5000 flight cycles	53-33-00	533605
AF 3.3.3	AF 3.3.3 Hat Section Stiffeners on Pressure Bulkhead at FS 583.96 (14833 mm) - NDT / Visual Inspection	Visual Borescope / HFEC	10000 flight cycles	5000 flight cycles	53-33-00	533606
AF 3.4 AF 3.5 AF 3.6 AF 3.7 AF 3.8	AF 3.4, AF 3.5, AF 3.6, AF 3.7 and AF 3.8 Pressure Bulkhead at FS 582 (14783 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-33-00	533209
AF 4	AF 4 Baggage Door Cutout - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-00	533213
AF 5.1	AF 5.1 Forward Engine Support Adapter Plate - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-33-00	533215
AF 5.2	AF 5.2 Forward Engine Support Adapter Plate Walls and Ribs - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-33-00	533216
AF 5.3	AF 5.3 Adapter Plate Shear Pin Holes - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-33-00	533217
AF 5.4	AF 5.4 Forward Engine Support End Plate - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-33-00	533218

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF 5.5	AF 5.5 Forward Beam to Fuselage Bulkhead Attachment - NDT Inspection NOTE: Except Aircraft 038.	HFEC	10000 flight cycles	5000 flight cycles	53-33-00	533219
AF 5.5	AF 5.5 Forward Beam to Fuselage Bulkhead Attachment - NDT Inspection NOTE: Aircraft 038 only.	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-33-00	533219
AF 5.6	AF 5.6 Forward Beam Web - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-33-00	533221
AF 5.7	AF 5.7 Forward Engine Mount Adapter Plate Bolts and Shear Pins - NDT Inspection	Magnetic Particle	10000 flight cycles	5000 flight cycles	53-33-00	533222
AF 6.1	AF 6.1 Aft Engine Support Fitting - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-33-00	533223
AF 6.2	AF 6.2 Aft Engine Support Fitting - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-33-00	533224
AF 7.1	AF 7.1 Baggage Door Hinges and Goosenecks - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-32-00	533240
AF 7.2	AF 7.2 Baggage Door Latch and Shaft - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-32-00	533241
AF 8	AF 8 Fuselage Skin Lower Cutout Corner - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-34-01	533105
AF 9	AF 9 Frame FS 664.83 (16887 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-34-02	533226
AF 10	AF 10 Frame FS 703.77 (17876 mm) Flange - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-34-02	533228
AF 11	AF 11 Frame FS 717.36 (18221 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-34-02	533229

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF 12	AF 12 Aft Fuselage Diverter - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-30-00	533231
CTS 1	CTS 1 Spars Lower Flanges to Lower Skin Attachment - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-22-00	531202
CTS 2	CTS 2 Front Spar - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-22-00	531203
CTS 3	CTS 3 Aft and Rear Spar Webs - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-22-00	531204
CTS 4	CTS 4 Lower Skin to Wing Attachment - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	53-22-00	531205
CTS 5	CTS 5 Corner Beam - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-22-00	531206
CTS 6	CTS 6 Lower Skin Panels - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	53-22-00	531207
CTS 7	CTS 7 Shear Clips at CTS Rib 925, Left and Right Side - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-22-00	531208
E 1.1	E 1.1 Horizontal Stabilizer Aft Attachment Lug Fittings - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-10-00	551402
E 1.2	E 1.2 Horizontal Stabilizer Attachment Fittings - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-10-00	551403
E 1.3	E 1.3 Vertical Stabilizer Attachment Fittings - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-30-00	551404

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E 1.4a	E 1.4a Horizontal Stabilizer Aft Attachment Sleeves and Pins - Visual Inspection NOTE: Accomplish a one-time inspection at 5000 flight cycles. For aircraft beyond 5000 flight cycles at publication date of Revision 28, accomplish at next due periodic inspection. Aircraft having incorporated SB 200-55-413 at 5000 or more flight cycles already comply with this requirement. For the “repeat” inspection for this location, see E 1.4.	Visual	Note	Note	55-10-00	551020
E 1.4	E 1.4 Horizontal Stabilizer Aft Attachment Sleeves and Pins - NDT Inspection	Magnetic Particle	10000 flight cycles	5000 flight cycles	55-10-00	551405
E 1.5	E 1.5 Horizontal Stabilizer Aft Spar - NDT Inspection (Aircraft 004 thru Aircraft 027) NOTE: Aircraft 004 thru Aircraft 027.	HFEC / LFEC	7500 flight cycles	2500 flight cycles	55-10-00	551406
E 1.5a	E 1.5a Horizontal Stabilizer Aft Spar - NDT Inspection (Aircraft 028 thru Aircraft 999) NOTE: Aircraft 028 thru Aircraft 999.	HFEC / LFEC	10000 flight cycles	5000 flight cycles	55-10-00	551410
E 1.5b	E 1.5b Horizontal Stabilizer Aft Spar - NDT Inspection	HFEC / LFEC	10000 flight cycles	5000 flight cycles	55-10-00	551411

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E 1.6	E 1.6 Vertical Stabilizer Fitting Attachment Bolts - NDT / Visual Inspection	LFEC / HFEC / Visual	10000 flight cycles	5000 flight cycles	55-30-00	551408
E 2	E 2 Horizontal Stabilizer Actuator, Upper Attachment - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-10-00	551407
E 3	E 3 Horizontal Stabilizer Skin / Spar Attachments - NDT / Visual Inspection	LFEC / HFEC / Visual	10000 flight cycles	5000 flight cycles	55-10-00	551201
E 4	E 4 Horizontal Stabilizer Upper Skin Cutout - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-10-00	551101
E 5.1	E 5.1 Elevator Support Structure Hinge Support Fittings - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-20-00	552401
E 5.2	E 5.2 Elevator Support Structures, Actuator and Link Fittings - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-20-00	552405
E 6.1	E 6.1 Vertical Stabilizer Aft Spar Attachment at FS 704 (17876 mm) - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-30-00	553402
E 6.2	E 6.2 Vertical Stabilizer Forward Spar Attachment at FS 665 (16886 mm) - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-30-00	553403
E 6.3	E 6.3 Vertical Stabilizer Aft Spar Attachment at FS 704 (17876 mm) - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-30-00	553404
E 6.4	E 6.4 Vertical Stabilizer Forward Spar Attachment at FS 665 (16886 mm) - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-30-00	553405

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E 6.5	E 6.5 Vertical Stabilizer Aft Spar Attachment at FS 665 (16886 mm) and FS 704 (17876 mm) - NDT Inspection	Magnetic Particle	10000 flight cycles	5000 flight cycles	55-30-00	553406
E 7	E 7 Vertical Stabilizer Rib No. 1 Cutouts - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-30-00	553201
E 8.1	E 8.1 Horizontal Stabilizer Actuator, Lower Attachment - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-10-00	551002
E 8.2 E 8.3	E 8.2 and E 8.3 Center U-fitting 3/8 and 5/16 inch Bolt Hole - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	55-10-00	551003 551004
E 9	E 9 Rudder Support Structures, Hinge Support Fittings - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-40-00	553005
E 10.1	E 10.1 Rudder Attachment Lugs - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-40-00	554402
E 10.2	E 10.2 Rudder External Structure - NDT / Visual Inspection	Ultrasonic / Visual / Tap Test	10000 flight cycles	5000 flight cycles	55-40-00	554101
E 11.1	E 11.1 Elevator Attachment Lugs - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	55-20-00	552001
E 11.2	E 11.2 Elevator External Structure - NDT / Visual Inspection NOTE: Next inspections (not intervals) are due at 12500, 17500 and 20000 accumulated flight cycles.	Ultrasonic / Visual / Tap Test	7500 flight cycles	Note	55-20-00	552002
FF 1.1	FF 1a Forward Pressure Bulkhead - NDT / Visual Inspection	HFEC / Visual	5000 flight cycles	5000 flight cycles	53-12-02	531001

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF 1.2	FF 1b Forward Pressure Bulkhead - NDT / Visual Inspection	HFEC / Visual	5000 flight cycles	5000 flight cycles	53-12-02	531007
FF 1.3	FF 1c Forward Pressure Bulkhead at FS 105.07 (2669 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-12-02	531008
FF 2.1	FF 2.1 Canopy Posts and Sills - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-12-03	531002
FF 2.2	FF 2.2 Cockpit Lower Sill Beam - NDT Inspection	HFEC / LFEC	10000 flight cycles	5000 flight cycles	53-12-03	531009
FF 2.3	FF 2.3 Canopy Frame FS 156.8 (3982 mm) - NDT Inspection NOTE: Next inspection (not intervals). Operator may choose one of the proposed two options: • 10000, 15000, 20000 accumulated flight cycles • 12500, 17500, 20000 accumulated flight cycles	HFEC / LFEC	7500 flight cycles	Note	53-12-03	531010
FF 2.4	FF 2.4 Canopy Cockpit Lower Sill Beam - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-12-03	531011
FF 3	FF 3 Nose Landing Gear Wheel Well Cutout - NDT Inspection	HFEC / LFEC	10000 flight cycles	5000 flight cycles	53-10-00	531003
FF 4	FF 4 Nose Landing Gear Lower Longerons - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-10-00	531004
FF 5	FF 5 Entrance Door Cutout - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-10-00	531005
FF 6	FF 6 Emergency Exit Cutout - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-21-00	531006

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF 7	FF 7 Cabin Window Cutouts - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-13-03	532001
FF 9	FF 9 Upper J-Longeron Splices - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	53-13-01	532301
FF 10	FF 10 J-Longeron at Aft Bulkhead - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-21-02	532302
FF 11	FF 11 Cabin Frame Splices - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-21-02	532201
FF 12 FF 13	FF 12, FF 13 Fuselage Frame Fittings and Splices - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-20-00	532202
FF 14	FF 14 Side Frame Attachments - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-21-02	532503
FF 16a	FF 16a Pressure Floor to Aft Pressure Bulkhead Attachment - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-21-02	532501
FF 16b	FF 16b Pressure Floor Fitting Attachment - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-21-02	532504
FF 18	FF 18 Cabin Skin Longitudinal Splices - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-13-01	532102
FF 20.1	FF 20.1 Aft Pressure Bulkhead FS 482.67 (12260 mm) Circumferential Splice of Cabin Skin - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533301
FF 20.2	FF 20.2 Aft Pressure Bulkhead at FS 482.67 (12260 mm) Upper Area - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-31-02	533303

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF 20.2	FF 20.2 Aft Pressure Bulkhead at FS 482.67 (12260 mm) Upper Area - NDT Inspection NOTE: X-Ray is acceptable alternate NDI if HFEC cannot be applied.	HFEC	5000 flight cycles	5000 flight cycles	53-31-02	533302
FF 20.3	FF 20.3 Aft Pressure Bulkhead at FS 482.67 (12260 mm) Upper Area - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	53-31-02	533304
FF 20.4	FF 20.4 Aft Pressure Bulkhead Upper Area - NDT / X-ray Inspection	HFEC / X-ray	10000 flight cycles	5000 flight cycles	53-31-02	533305
FF 23	FF 23 Pressure Floor Beams and Skin FS 461.34 - FS 471.26 (11718 - 11970 mm) - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-21-04	532502
FF 30	FF 30 Flight Compartment Below Floor - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	53-12-04	531501
FF 31.1	FF 31.1 Side Frame FS 139 (3533 mm) - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-12-02	531211
FF 31.2	FF 31.2 Cockpit Side Frame at FS 113.03 - FS 177.87 (2871 mm - 4518 mm) - NDT Inspection	HFEC	5000 flight cycles	2500 flight cycles	53-12-02	531210
FF 32a	FF 32a Emergency Exit Door Stop Fittings Attachment - NDT Inspection NOTE: Aircraft 004 thru Aircraft 008, Aircraft 010.	HFEC	3600 flight cycles	3600 flight cycles	52-20-00	522201
FF 32b	FF 32b Emergency Exit Door Stop Fittings Attachment - Visual Inspection NOTE: Aircraft 009, Aircraft 011 thru Aircraft 999.	Visual	10000 flight cycles	5000 flight cycles	52-20-00	522202

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF 32c	FF 32c Emergency Exit Door Stop Fittings - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	52-20-00	522203
FF 33	FF 33 Emergency Door Stoppers - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	52-20-00	522204
FF 40	FF 40 Upper Main Entrance Door Stop Fittings - NDT / Visual Inspection	Magnetic Particle / Visual	5000 flight cycles	5000 flight cycles	53-10-00	532203
FF 42	FF 42 Cockpit Side Window Retainer - Visual Inspection	Visual	5000 flight cycles	5000 flight cycles	53-12-03	532206
FF 44	FF 44 Nose Landing Gear Bay Bulkheads - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-10-00	532207
FF 45	FF 45 Nose Landing Gear Walls - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-10-00	532208
FF 47	FF 47 Fuselage Skin Frame Attachment - NDT Inspection NOTE: Aircraft 004 thru Aircraft 092. Next inspection (not intervals) is due at 10000, 15000, and 20000 accumulated flight cycles.	HFEC	7500 flight cycles	Note	53-13-00	532209
NLG 1	NLG 1 Nose Landing Gear Trunnion Attach Fittings - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	32-20-00	320101
NLG 2	NLG 2 Nose Landing Gear Drag Brace Attach Fittings - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	32-20-00	320102
MLG 1	MLG 1 Main Landing Gear Side Brace Supporting Structure - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	32-10-00	320103

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
MLG 2	MLG 2 Main Landing Gear Trunnion Attach Fitting on Rear Spar - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	32-10-00	320104
MLG 3	MLG 3 Main Landing Gear Trunnion Attach Fitting on Center Spar - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	32-10-00	320105
W 1	W 1 Front Spar to CTS Attachment - NDT Inspection	HFEC / X-ray	10000 flight cycles	5000 flight cycles	57-11-00	571601
W 2	W 2 Center Spar to CTS Attachment - NDT Inspection	HFEC / X-ray	10000 flight cycles	5000 flight cycles	57-13-00	571602
W 3	W 3 Lower Skin Access Cutout Edges - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	57-15-00	571101
W 4.1	W 4.1 Lower Skin Splice at Rib 2 - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	57-15-00	571102
W 4.2	W 4.2 Lower Skin Splice near Rib 2 - Outboard Skin Panels - NDT Inspection NOTE: Aircraft 004 thru Aircraft 037.	LFEC	7500 flight cycles	2500 flight cycles	57-15-00	571103
W 4.3	W 4.3 Lower Skin Splice near Rib No. 2 - Inboard Skin Panels - Visual Inspection NOTE: Aircraft 004 thru Aircraft 037.	Visual	10000 flight cycles	5000 flight cycles	57-00-00	571104
W 4.4	W 4.4 Lower Skin Step Fillet near Rib 2 - NDT Inspection NOTE: Aircraft 004 thru Aircraft 037.	HFEC	5000 flight cycles	5000 flight cycles	57-15-00	571105
W 4.5	W 4.5 Lower Skin Center Spar Attachment - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	57-15-00	571107

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
W 4.6	W 4.6 Center Spar Lower Flange Aircraft 004 thru Aircraft 037 - NDT Inspection NOTE: Aircraft 004 thru Aircraft 037.	LFEC	7500 flight cycles	2500 flight cycles	57-15-00	571108
W 4.6	W 4.6 Center Spar Lower Flange Aircraft 038 thru Aircraft 999 - NDT Inspection NOTE: Aircraft 038 thru Aircraft 999.	LFEC	7500 flight cycles	5000 flight cycles	57-15-00	571109
W 5	W 5 Front Spar Splice at Rib 6 - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	57-11-00	571201
W 6	W 6 Rear Spar Splice at Rib 6 - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	57-12-00	571202
W 7	W 7 Wing, Lower Skin Panels - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-00-00	571106
W 8	W 8 Lower Skin at Front Spar Attachment between Rib 2 and Rib 18 - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	57-15-00	571203
W 9	W 9 Lower Skin at Rear Spar Attachment between Rib 2 and Rib 18 - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	57-15-00	571204
W 10	W 10 Lower Skin Longitudinal Splices - Visual Inspection NOTE: Aircraft 004 thru Aircraft 019.	Visual	10000 flight cycles	5000 flight cycles	57-15-00	571205
W 11	W 11 Winglet Attachment - NDT / Visual Inspection	Visual / X-ray	10000 flight cycles	5000 flight cycles	57-30-00	573401
W 12	W 12 Krueger Flap Attachment Fittings and Krueger Actuator Fitting - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-40-00	573402

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
W 13.1	W 13.1 Flap Rails - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-50-00	573403
W 13.2	W 13.2 Flap Actuator Access Panels and Rib No. 10 and Rib No. 11 Flange Connect to Intermediate Panel - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-50-00	573404
W 13.3	W 13.3 Outboard Flap Upper Surface - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	57-30-00	573405
W 14.1	W 14.1 Slat Lower Spar, Flange / Skin Attachment - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-40-00	575101
W 14.2	W 14.2 Slat Rails - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-40-00	575102
W 15.1	W 15.1 Aileron Main Hinge Assembly - Visual Inspection NOTE: Aircraft 004 thru Aircraft 034.	Visual	10000 flight cycles	5000 flight cycles	57-60-00	576001
W 15.1a	W 15.1a Aileron Main Fitting of Actuator - Visual Inspection NOTE: Aircraft 035 thru Aircraft 999.	Visual	10000 flight cycles	5000 flight cycles	57-60-00	576004
W 15.2	W 15.2 Aileron External Structure - NDT / Visual Inspection	Ultrasonic / Visual / Tap Test / X-ray	10000 flight cycles	5000 flight cycles	57-60-00	576002
W 15.3	W 15.3 Aileron Actuator Bracket Lug - NDT / Visual Inspection	HFEC / Visual	10000 flight cycles	5000 flight cycles	57-60-00	576003
W 16	W 16 Wing Lower Skin - Drain Hole Near Rib 0 - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-15-00	571501

Table 3: Airworthiness Limitations

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
W 17	W 17 Open Holes in Rear Spar Web Between Rib No. 18 and No. Rib 19 - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-00-00	571206
W 18	W18 Cutouts in Front Spar Web Between Rib No. 18 and Rib No. 19 - Visual Inspection	Visual	10000 flight cycles	5000 flight cycles	57-00-00	571301
W 19	W 19 Wing Lower Skin Longitudinal Splices - NDT Inspection	HFEC / LFEC	10000 flight cycles	5000 flight cycles	57-15-00	571302
W 20	W 20 Rear Spar Web - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	57-15-00	571303
W 21.1	W 21.1 Air Brakes Hinge - NDT Inspection	HFEC	10000 flight cycles	2500 flight cycles	57-70-00	571304
W 21.2	W 21.2 Air Brakes Actuator Fitting - NDT Inspection	HFEC	10000 flight cycles	2500 flight cycles	57-70-00	571305
W 21.3	Task Deleted.	HFEC / Dye Penetrant				571306
W 22	W 22 Front Spar Web Cutouts Between Ribs 6 - 22 - NDT Inspection	HFEC	10000 flight cycles	5000 flight cycles	57-00-00	570050

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(3) Unpainted Aircraft

Table 4: Unpainted Aircraft

PS No.	Inspection Description	Inspection Interval
PS25.2200	Visual inspection of external skin for finish treatment for lack of corrosion, weathering damage and abrasion (paragraph 8.3). Correct damage if found (paragraphs 10 through 14).	1 week or 40 Flight Hour, which ever occurs first

D. Certification Maintenance Requirements (CMR)

(1) Introduction

The following presents a list of all Gulfstream G200 Certification Maintenance Requirements (CMR), based on safety analyses, performed to meet requirements of CFR / JAR 25.1529, Instructions for Continued Airworthiness and other relevant requirements and engineering judgement.

(2) Types

The Certification Maintenance Requirements (CMRs) are categorized into two types of CMR tasks as follows:

- One Star CMR's (*) - The tasks and intervals specified are mandatory and cannot be changed, escalated, or deleted without the concurrence of the responsible Aircraft Certification Authority (CAAI)
- Two Star CMR's (**) - Task intervals may be adjusted in accordance with operator's approved escalation practices or an approved reliability program, but the task may not be changed or deleted without prior CAAI approval

(3) Maintenance Tasks

All CMR tasks are listed in Table 5.

NOTE: Unless otherwise specified, task may be performed with a scheduling window as follows:

- ± 50 flight hours, not to exceed the task interval $+50$ flight hours between inspections
- ± 1 calendar month, not to exceed the task interval $+1$ calendar month between inspections
- C checks or monthly inspections may be accomplished on any day of the calendar month that they are due

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Table 5: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
21-30-00	Safety Valve - Functional Check MRB Ref: 21-30-00/02 NOTE: Interval is 1A for Aircraft 004 thru Aircraft 249 Pre-SB 200-21-378, and 5A for Aircraft 250 and Aircraft 004 thru Aircraft 249 Post SB 200-21-378. Perform next due Functional Check from time of last accomplishment.	*	213052	Note
21-30-00	Discrete EICAS Display Outputs - Interface Test	**	213050	2A
21-30-07	Aneroid Switch - Functional Check MRB Ref: 21-30-00/07 NOTE: This requirement applies to Aircraft 004 thru Aircraft 249 Pre-SB 200-21-378 only. Perform at 1A following date of Revision 23, not to exceed 12 months from date of last accomplishment.	**	213302	1A
24-30-00	Load Shedding - Operational Test	**	243008	1A
24-30-20	Emergency Battery - Capacity Test MRB Ref: 24-30-00/01 NOTE: For part number 2778-18 accomplish is 300 flight hours or 6 months, whichever occurs first. For part number 276CH7 accomplish at 1A or 1C whichever occurs first. Perform next due Capacity Test from time of last accomplishment.	**	243020	Note
24-30-51	Contactor and Relay Boxes - Visual Inspection	**	243029	4C
27-10-00	Aileron Disconnect System - Operational Test MRB Ref: 27-10-00/02	*	271019	2A
27-10-75	Aileron Hydraulic System Volume and Dampener - Inspection	*	271423 271424	6A
27-20-16	Rudder Trim Actuator Attach Points and Electrical Connectors - Inspection	*	272046	2A
27-30-00	Elevator Pitch Disconnect Function - Operational Check MRB Ref: 27-30-00/03	*	273020	2A
27-30-55	Elevator Servo Actuator Compensator Volume and Dampener - Check	*	273411 273412	6A

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Table 5: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
32-30-00	Emergency Landing Gear System - Functional Check MRB Ref: 32-30-00/05 NOTE: Interval is 4A or 3C, whichever occurs first. Accomplish next due at Landing Gear Emergency Extension Bottle Hydrostatic Functional Check (CMP 323904), not to exceed 4A since last accomplishment.	**	323009	Note
78-30-00	Thrust Reverser Actuator Mechanism - Visual Inspection	**	783013 783014	1A
78-31-05	Thrust Reverser Actuator - Visual Inspection	**	783015 783016	1A
78-31-30	Hydraulic Control Unit - Visual Inspection	**	783017 783018	1A

E. Temporary Limitation and Inspection Requirements

Service Bulletins that are part of Gulfstream's recommended inspection program are listed in Table 6: Temporary Limitation and Inspection Requirements. This table will be reviewed and updated periodically based on new requirements and compliance information received from the fleet.

NOTE: If there are differences between required compliance times or recurring intervals in the individual Service Bulletins and the Temporary Limitation and Inspection Requirements section of the ALS, the ALS shall take precedence.

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Table 6: Temporary Limitation and Inspection Requirements

AWL NO.	REPORT NO. (LATEST REVISION)	CMP	DESCRIPTION	EFFECTIVITY	INTERVAL	TO COMPLY WITHIN	LIFE LIMIT
AWL-4	MOD 7147 SB 27 - 055	980550	Replace type of fasteners attaching pedal torque tube upper bracket to forward pressure bulkhead.	Aircraft 004 thru Aircraft 022	—	1200 flight hours or 2A Inspection, whichever comes first	—
AWL-5	MOD 5013 SB 27 - 052	970520	Installation of additional idler pulley at FS 480.7 (11210 mm).	Aircraft 004 thru Aircraft 021	—	3500 flight hours not to exceed 3600	—
AWL-5	MOD 5026 SB 27 - 057	970570 970571 (R1)	Replace bolt in right tension regulator lower case guard.	Aircraft 004 thru Aircraft 022	—	1200 flight hours or 2A Inspection, whichever comes first	—
AWL-5	MOD 7097, 7088 SB 53 - 039	970390 970391	Replace splice at bulkhead FS 520.5 (13220 mm) and add reinforcing stiffeners at bulkhead FS 582 (14783 mm).	Aircraft 005 thru Aircraft 011	—	7000 flight hours not to exceed 7200	—
AWL-5	MOD 7149 SB 52 - 040	970400	Rework brackets on emergency exit door.	Aircraft 004, Aircraft 006 thru Aircraft 016	—	1000 flights	—
				Aircraft 005	—	1500 flights	—
AWL-5	MOD 7153 SB 55 - 042	970420	Install passivated washers on vertical stabilizer attach fittings.	Aircraft 004 thru Aircraft 023	—	No later than December 31, 2001	—

AWL NO.	REPORT NO. (LATEST REVISION)	CMP	DESCRIPTION	EFFECTIVITY	INTERVAL	TO COMPLY WITHIN	LIFE LIMIT
AWL-6	MOD 7144 SB 21 - 079	970790 970791	Baggage compartment differential pressure reduction.	Aircraft 004, Aircraft 006, Aircraft 008 thru Aircraft 033	—	Next 1A or 2A Inspection, whichever comes first	—
				Aircraft 005, Aircraft 007	—	1500 flights	—
AWL-6	MOD 7181 SB 53 - 084	970840	Rudder control arm installation redesigned at FS 591.5 (15025 mm).	Aircraft 004 thru Aircraft 006, Aircraft 008 thru Aircraft 033	—	Next 1A Inspection	—
AWL-7	MOD 5058 SB 52 - 100	981000	New drain holes in the inner frames of the entry door.	Aircraft 004 thru Aircraft 043	—	Next 2A Inspection	—
AWL-7	MOD 5061 SB 53 - 054	980540	Improvement of electrical grounding of power cables.	Aircraft 004 thru Aircraft 045	—	Part A: 50 flight hours Part B: 300 flight hours or next A Inspection whichever comes first	—
AWL-7	MOD 5022, 7101 SB 29 - 028	970280	FQMC software update.	Aircraft 004 thru Aircraft 039	—	Next 1A Inspection not to exceed 12 months	—
AWL- 7	MOD 7104 SB 53 - 081	970810 970811	Baggage compartment shroud installation change.	Aircraft 004 thru Aircraft 029	—	7000 flight hours not to exceed 7200	—

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AWL NO.	REPORT NO. (LATEST REVISION)	CMP	DESCRIPTION	EFFECTIVITY	INTERVAL	TO COMPLY WITHIN	LIFE LIMIT
AWL-7	MOD 7137 SB 53 - 061	970610 970611	Cockpit structure reinforcement - forward pressure bulkhead and lower sill.	Aircraft 004 thru Aircraft 026	—	7000 flight hours not to exceed 7200	—
AWL-7	MOD 7158 SB 53 - 075	970750	Aft cabin pressure bulkhead reinforcement FS 482.7 (12260 mm).	Aircraft 004 thru Aircraft 031, Aircraft 033	—	7000 flight hours not to exceed 7200	—
AWL-7	MOD 7178 SB 53 - 061	970610 970611	Reinforcement of forward pressure bulkhead stiffeners.	Aircraft 004 thru Aircraft 034	—	7000 flight hours not to exceed 7200	—
AWL-7	MOD 7179 SB 53 - 061	970610 970611	Reinforcement of frame at FS 156.8 (3982 mm) in the canopy left and right side.	Aircraft 004 thru Aircraft 034	—	7000 flight hours not to exceed 7200	—
AWL-8	MOD 5041 SB 53 - 108	971080 971081	Replacement of fasteners in cockpit floor.	Aircraft 004 thru Aircraft 030	—	7000 flight hours not to exceed 7200	—
AWL-8	MOD 5062 SB 53 - 105	981050	Surface finish of the edge radius of the nose landing gear by corner changed from 125 micro-inch to 63 micro-inch.	Aircraft 004 thru Aircraft 044	—	1200 flight hours or next 2A Inspection	—
AWL-8	MOD 7169 SB 78 - 096	970960	Thrust Reverser - incorporation of time delay to prevent re-stow of thrust reverser on landing.	Aircraft 004 thru Aircraft 036	—	300 flight hours or Next 1A Inspection whichever comes first	—

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AWL NO.	REPORT NO. (LATEST REVISION)	CMP	DESCRIPTION	EFFECTIVITY	INTERVAL	TO COMPLY WITHIN	LIFE LIMIT
AWL-8	MOD 7217 SB 53 - 116	971160 971161	Material change of upper longeron splice.	Aircraft 004 thru Aircraft 052	—	7000 flight hours not to exceed 7200	—
AWL-9R1	MOD 7229 SB 53 - 121	971210 971211	Canopy lower sill reinforcement	Aircraft 004 thru Aircraft 059	—	7000 flight hours not to exceed 7200	—
AWL-10	SB 53A - 270	990300	Aft lower skin diverter - one-time inspection	Aircraft 004 thru Aircraft 122	—	Within 30 days after SB release	—
	MOD G2 - 10126 SB 53 - 271	982710	Aft lower skin - reinforce diverter installation	Aircraft 004 thru Aircraft 122	—	300 flight hours or next 1A	—
AWL-11	SB 200-21-327R1	983271	Test of Cabin Pressure Controller P/N 2119922-6 Series 1 and P/N 2119922-7 Series 1 for leakage.	Aircraft 004 thru Aircraft 171	—	Within next 7 months of Service Bulletin or at Aircraft completion prior to delivery	—

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F. Safe Life Limits

The safe life limits section addresses those items that have been defined as being life limited. As shown in the life limited component table (Table 7) in this section, the item description, part number, mandatory replacement time and CMP codes are included.

Table 7: Life Limited Components

Airworthiness Limitations Instructions					
Part Number	Nomenclature	Qty	Discard	ATA Ref	CMP Ref
26100-000-01 26100-100-00 26105-000-00 27105-000-00 27100-000-01 27100-100-00	Main Landing Gear Shock Strut Assembly - Discard	2	17,500 flight cycles	32-10-05	321021 321022
26200-000-01 26200-100-00	Main Landing Gear Shock Absorber - Discard	2	17,500 flight cycles	32-10-25	321025 321026
26300-000-XX 27300-000-XX	Main Landing Gear Actuator - Discard	2	17,500 flight cycles	32-10-20	321027 321028
26125-000-00 27125-000-00	Main Landing Gear Trailing Link Assembly - Discard	2	17,500 flight cycles	32-13-01	321303 321304
4AS2530005-001	Main Landing Gear Actuator Attachment Bushing - Discard	2	17,500 flight cycles	32-10-20	321029 321030
4AS2530004-001	Main Landing Gear Actuator Attachment Pin - Discard	2	17,500 flight cycles	32-10-20	321031 321032
26022-000-00 26021-000-00	Main Landing Gear Trunnion Pins - Discard	2	17,500 flight cycles	32-10-05	321033 321034 321035 321036
26023-000-00	Main Landing Gear Trailing Link Pin - Discard	2	17,500 flight cycles	32-13-01	321307 321308
NAS6204-34D 26179-000-00	Main Landing Gear Lower Shock Absorber Attachment Cross Bolt - Discard NOTE: Accomplish at 800 flights from installation or new. Aircraft beyond 800 cycles at publication of Rev 17, accomplish at next scheduled Main Landing Gear Assembly Lubrication.	2	800 flight cycles	32-10-25	321041 321042

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Table 7: Life Limited Components

Airworthiness Limitations Instructions					
Part Number	Nomenclature	Qty	Discard	ATA Ref	CMP Ref
28100-000-01 28100-100-XX	Nose Landing Gear Shock Absorber Assembly - Discard NOTE: The following life limited items are discarded as part of this assembly: • 28115-100-00 • 28190-000-00 • 23115-000-00 • 23343-000-00	1	20000 flight cycles	32-20-10	322018
28200-000-00	Nose Landing Gear Drag Brace Assembly - Discard NOTE: The following life limited items are discarded as part of this assembly: • 23325-300-1 • 23325-300-2 • 23245-300-00 • 23231-000-00 • 23233-000-00	1	20000 flight cycles	32-20-15	322021
28190-000-00	Nose Landing Gear Upper Torque Link - Discard	1	20000 flight cycles	32-20-12	322032
23115-000-00	Nose Landing Gear Lower Torque Link - Discard	1	20000 flight cycles	32-20-12	322034
23343-000-00	Nose Landing Gear Torque Link Pin - Discard	1	20000 flight cycles	32-20-12	322036 322030
23211-000-00	Nose Landing Gear Drag Brace Trunnion Pins - Discard	2	20000 flight cycles	32-20-15	322023 322024
28113-000-01	Nose Landing Gear Strut Trunnion Pins - Discard	2	20000 flight cycles	32-20-05	322057 322058
23202-000-00	Nose Landing Gear Drag Brace Strut Pin - Discard	1	20000 flight cycles	32-20-15	322052

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