

GULFSTREAM G280

MAINTENANCE MANUAL

AIRWORTHINESS LIMITATIONS SECTION P/N G280-1001-3-2

1. Airworthiness Limitations Section

A. Introduction

The Gulfstream G280 is a newly developed aircraft which is currently undergoing extensive fatigue testing of the structural components. Current FAA regulations require a limitation on operation of the aircraft until all certification fatigue tests have been completed. Therefore, no aircraft may be operated beyond 10,000 flight cycles until certification fatigue testing has been completed and Chapter 05-10-10 has been revised to remove this limitation.

This 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 and 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, structural inspections in the ALS are the results of damage tolerance analysis performed to substantiate compliance with 14 CFR Part 25.571 as presented in certification engineering report 30P032/061977. 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 14 CFR Part 25 Subpart H, 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).

Damage tolerance analysis of the Gulfstream G280 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
- Center fuselage
- 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)

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- The number of flights between all further inspections (repeat inspection intervals)
- Effectivity

The Airworthiness Limitations Section (ALS) 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.

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 removable structural parts or assemblies that can be exchanged from one airplane to another such as door assemblies and flight control surfaces are to be tracked by the total flights of the part or assembly itself, and not by total aircraft flights, being these parts may have accumulated flight cycles on (an) other airplane(s) prior to installation on the current aircraft. 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.

The inspection schedule, determined in this document, identifies the inspection areas, initial inspection periods, recurring inspection intervals and component replacement items. It may be emphasized that this schedule is based on airplane utilization, operation and maintenance for which the airplane was originally designed; specifically, a pressurized executive or corporate transportation vehicle wherein the majority of cruise is above 25,000 feet altitude and flight duration is more than one hour. Should the aircraft be used for missions other than that intended by design, such as an air taxi, commuter air service, extraordinary service at low altitude or unusually short duration flights (less than 30 minutes), the inspections specified in this document are not appropriate for continued airworthiness of the airplane structure. In such cases, promptly notify Gulfstream Customer Support and a special inspection program will be established to address the unique requirements of the airplane's mission.

The aircraft is not authorized to fly more than 10,000 flights. This number will be raised to the design goal of 20,000 flights as soon as the full scale fatigue testing results have been analyzed and approved by the Civil Aviation Administration of Israel.

As required by the time-limited Exemption No. 10612 to 14 CFR Section 25.981(a)(3) cited in the Gulfstream G280 TCDS, operation of an aircraft after June 30, 2014 is prohibited unless production modification G25-10706 or its associated Service Bulletin 280-57-036 and production modification G25-20047 or its associated Service Bulletin 280-57-071 are incorporated.

As required by the Partial Time-limited Exemption No. 10613A from certain engine installation, operational limitation and engine indication provisions of Title 14, Code of Federal Regulations (14 CFR) cited in the Gulfstream G280 TCDS, operation of an aircraft after December 31, 2015 is prohibited unless production modification G25-10022 or associated service bulletin 280-30-017, and production modification G25-20061 or associated service bulletin 280-76-111 are incorporated.

If cracks are detected in any of the specified inspections, this information must be reported immediately to Israel Aerospace 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 1 of this section.

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Table 1: ALS Inspection Results

ALS 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			

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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 2.

Table 2: Airworthiness Limitations Inspection Abbreviations

AF -	Aft Fuselage	LG -	Landing Gear
BHEC -	Bolt Hole Eddy Current (High Frequency)	LHS -	Left Hand Side
CF -	Center Fuselage	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

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 and Table 5 contains a list of life limited components.

Table 6 contains a list of all CMR tasks and fuel tank system airworthiness limitation inspections.

Table 7 contains Critical Design Configuration Control Limitations (CDCCL).

Table 9 contains temporary limitations and inspection requirements.

Table 10 contains LRU and associated failure modes for reportable maintenance events.

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF1.5	Left Connector Plate FF1.5 Forward Pressure Bulkhead Left Connector Plate - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-02	531025
FF1.6	Right Connector Plate FF1.6 Forward Pressure Bulkhead Right Connector Plate - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-02	531026
FF1.7	Stiffeners at BL 8.3 (210 mm) FF1.7 Forward Pressure Bulkhead Stiffeners, FS 105.1 (2669 mm) at BL 8.3 (210 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-02	531038
FF1.8	Stiffeners at BL 12.2 (310 mm) FF1.8 Forward Pressure Bulkhead Stiffeners, FS 105.1 (2669 mm) at BL 12.2 (310 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-02	531039
FF2.7 FF2.8	Left / Right Lower Canopy Sill FF2.7, FF2.8 Canopy Lower Sills - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531231 531232
FF2.9	Splice Upper Sill and Central Post FF2.9 Canopy Splice Upper Sill and Central Post - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531233
FF2.10	Lower Sills Doubler FF2.10 Canopy Lower Sills Doubler - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531234

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF2.11	Lower Sills Splice FF2.11 Canopy Lower Sills Splice - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531235
FF2.12	Left / Right Lower Sill Fitting Reinforcement , FS 139.09 - FS 148.35 (3533 - 3768 mm) FF2.12 Canopy Fitting Lower Sill Reinforcement FS 139.09 - FS 148.35 (3533 - 3768 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531236
FF2.13	Center Post Attach Fitting, FS 105.1 (2669 mm) FF2.13 Canopy Center Post Attachment Fitting FS 105.1 (2669 mm) - NDT Inspection, 53-12-02, Inspection / Check or Code 531237	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531237
FF2.14	Lower Sill Lightning Holes FF2.14 Canopy Lower Sill Lightning Holes - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531241
FF2.15	Lower Sill Forward Integral Rib FF2.15 Canopy Lower Sill Forward Integral Rib - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531242
FF2.16	Lower Sill Fastener Holes FF2.16 Canopy Lower Sill Fastener Holes - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531243

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF3.4	Left / Right NLG Trunnion Fitting FF3.4 Nose Landing Gear Trunnion Fittings - NDT Inspection, 53-16-00, Inspection / Check or Code 531604	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531604
FF3.5	Left NLG Bay Brace Fitting, FS 148.07 (3761 mm) FF3.5 Nose Landing Gear Brace Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531605
FF3.6	NLG Bay Ceiling FF3.6 Nose Landing Gear Bay Ceiling - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531606
FF3.8	Doubler, FS 122.16 (3103 mm) FF3.8 Nose Landing Gear Bay Doubler FS 122.16 (3103 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531607
FF3.9	Doubler, FS 177.87 (4518 mm) FF3.9 Nose Landing Gear Bay Doubler FS 177.87 (4518 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531608
FF3.10	NLG Bay Intergral Intercostal FF3.10 Nose Landing Gear Bay Intercostal Splices - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531609
FF3.11	NLG Vertical Stiffener, Left Side FF3.11 Nose Landing Gear Bay Vertical Stiffener, FS 158.19 (4018 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-16-00	531610

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF4.3	Left Skin Panel, FS 177.87 - FS 229.21 (4518 - 5822 mm) FF4.3 Forward Fuselage Skin Left Side FS 177.87 - FS 229.21 (4518 - 5822 mm) - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	53-10-01	531004
FF5.3	Upper Skin Panel, FS 229.21 - FS 346.38 (5822 - 8798 mm) FF5.3 Forward Fuselage Skin Upper Panel FS 229.21 - FS 346.38 (5822 - 8798 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-01	531009
FF7.1	Forward Window Frame FF7.1 Forward Fuselage Window Frames - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-02	531027
FF7.2	Cockpit Side Window Retainer, Left / Right FF7.2 Cockpit Side Windows Retainer - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-02	531223
FF8.2	Upper Panel, Right Longeron, FS 177.87 - FS 229.21 (4518 - 5822 mm) FF8.2 Forward Fuselage Upper Panel Right Longeron FS 177.87 - FS 229.21 (4518 - 5822 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-10-02	531029
FF10.1	Left Frame, FS 185.94 (4723 mm) FF10.1 Forward Cabin Left Frame at FS 185.94 (4723 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531317

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF10.2A	MED Jamb Assembly, Frame 14, FS 221.77 (5663 mm) FF10.2A Forward Cabin Frame 14 MED Jamb Assembly FS 221.77 (5633 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531330
FF10.3	Lower Left Fitting, FS 185.94 (4723 mm) FF10.3 Forward Cabin Lower Fitting at FS 185.94 (4723 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531319
FF10.4	Door Stop Fitting FF10.4 Main Entrance Door Support Stopper - NDT Inspection NOTE: Applies to Aircraft 2001 thru Aircraft 2020 Pre-Mod G25-20026.	HFEC	5000 flight cycles	5000 flight cycles	53-13-02	531329
FF10.4	Door Stop Fitting FF10.4 Main Entrance Door Support Stopper - NDT Inspection NOTE: Applies to Aircraft 2001 thru Aircraft 2020 Post Mod G25-20026 and Aircraft 2021 thru Aircraft 9999.	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531329
FF10.5	Entry Door Stopper FF10.5 Main Entrance Door Assembly Stopper - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	52-13-03	521312

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF10.6	Frame 10, Left Side, FS 177.87 (4518 mm) FF10.6 Frame 10, Left Side, FS 177.87 (4518 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531331
FF11.1	Upper Sill, FS 185.94 - FS 221.77 (4723 - 5633 mm) FF11.1 Forward Cabin Upper Sill FS 185.94 - FS 221.77 (4723 - 5633 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531320
FF12.1	Fitting, FS 185.94 (4723 mm), BL 22.24 (565 mm) FF12.1 Forward Cabin Fitting FS 185.94 (4723 mm) BL 22.24 (565 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531322
FF12.2	Fitting, FS 221.77 (5633 mm), BL 22.24 (565 mm) FF12.2 Forward Cabin Fitting FS 221.77 (5633 mm) BL 22.24 (565 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-13-02	531323
FF13.1	Lower Left Intercostal, FS 177.87 - FS 185.94 (4518 - 4723 mm), BL 330 FF13.1 Forward Cabin Lower Left Intercostal FS 177.87 - FS 185.94 (4518 - 4723 mm) BL330 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-13-01	531316

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF14.1	Left / Right Frame, FS 346.38 (8798 mm) FF14.1 Forward Cabin Frames FS 346.38 (8798 mm) - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-13-02	531324
FF14.2	Upper Frame, FS 346.38 (8798 mm) FF14.2 Forward Cabin Upper Frame FS 346.38 (8798 mm) - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-13-02	531325
FF14.3	Lower Frame, FS 346.38 (8798 mm) FF14.3 Forward Cabin Lower Frame FS 346.38 (8798 mm) - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-13-02	531326
FF15.1	Lower Frame, FS 221.77 (5633 mm) FF15.1 Forward Cabin Lower Frame FS 221.77 (5633 mm) - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-13-02	531327
FF15.2	Lower Frame, FS 185.94 (4723 mm) FF15.2 Forward Cabin Lower Frame FS 185.94 (4723 mm) - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-13-02	531328
FF17.1	Left / Right Frame 5, FS 128.93 (3275 mm) FF17.1 Cockpit Frame 5 FS 128.93 (3275 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-01	531238
FF17.2	Left / Right Frame 6, FS 139.09 (3533 mm) FF17.2 Cockpit Frame 6 FS 139.09 (3533 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-01	531239

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
FF17.3	Left / Right Frame 7, FS 148.35 (3768 mm) FF17.3 Cockpit Frame 7 FS 148.35 (3768 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-12-01	531240
CF1.1	Center Fuselage Right Side Skin, Frame 27 - Frame 41 CF1.1 Center Fuselage Right Skin Frame 27 - Frame 41 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532019
CF1.2	Center Fuselage Left Side Skin, Frame 27 - Frame 41 CF1.2 Center Fuselage Left Skin Frame 27 - Frame 41 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532020
CF1.3	Center Fuselage Right Side Skin, Frame 41 - Frame 50 CF1.3 Center Fuselage Right Skin Frame 41 - Frame 50 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532021
CF1.4	Center Fuselage Left Side Skin, Frame 41 - Frame 50 CF1.4 Center Fuselage Left Skin Frame 41 - Frame 50 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532022
CF2.1	Center Fuselage Upper Skin, Frame 27 - Frame 41 CF2.1 Center Fuselage Upper Skin Frame 27 - Frame 41 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532023

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF2.2	Center Fuselage Upper Skin, Frame 41 - Frame 50 CF2.2 Center Fuselage Upper Skin Frame 41 - Frame 50 - NDT Inspection, 53-20-01, Inspection / Check or Code 532024	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532024
CF3.1	Center Fuselage Lower Skin, Frame 27 - Frame 41 CF3.1 Center Fuselage Lower Skin Frame 27 - Frame 41 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532025
CF3.2	Center Fuselage Lower Skin, Frame 41 - Frame 50 CF3.2 Center Fuselage Lower Skin Frame 41 - Frame 50 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532026
CF4.1 - CF4.20	Center Fuselage Lower Frame 27 - Frame 50 CF4.1 - CF4.20 Center Fuselage Lower Frames - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-20-02	532030 thru 532049
CF4.21 - CF4.39	Center Fuselage Side Splices, Frame 27 - Frame 50 CF4.21 - CF4.39 Center Fuselage Side Splice - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532079 thru 532097

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF5.1	Center Fuselage Window Frame CF5.1 Center Fuselage Window Frame Between Frame 27 - Frame 41 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-03	532098
CF6.1	Emergency Exit Frame 32 CF6.1 Emergency Exit Frame 32 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532008
CF6.2	Emergency Exit Frame 33 CF6.2 Emergency Exit Frame 33 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532009
CF6.3	Emergency Exit Frame 34 CF6.3 Emergency Exit Frame 34 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532010
CF6.4	Emergency Exit Frame 35 CF6.4 Emergency Exit Frame 35 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532013
CF6.5	Emergency Exit Frame 36 CF6.5 Emergency Exit Frame 36 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532014
CF7.1	Emergency Exit Doubler CF7.1 Emergency Exit Doubler - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-01	532027

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF9.1	Emergency Exit Window Cut Out CF9.1 Emergency Exit Window Cut Out Perimeter - NDT Inspection	HFEC	5000 flight cycles	5000 flight cycles	52-21-00	522111
CF10.1	Baggage Compartment Exit Doubler, Frame 45 - Frame 49 CF10.1 Baggage Compartment Exit Doubler Between Frame 45 and Frame 49 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-22-01	532208
CF11.1	Baggage Compartment Exit Side Frame 45 CF11.1 Baggage Compartment Exit Frame 45 - NDT / Visual Inspection	LFEC / Visual	10,000 flight cycles	5000 flight cycles	53-22-02	532211
CF11.2	Baggage Compartment Exit Side Frame 49 CF11.2 Baggage Compartment Exit Frame 49 - NDT / Visual Inspection	LFEC / Visual	10,000 flight cycles	5000 flight cycles	53-22-02	532212
CF11.3	Baggage Compartment Exit Side Frame 45 and Side Frame 49 CF11.3 Baggage Compartment Exit Frame 45 and Frame 49 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-22-02	532209
CF12.1	Baggage Compartment Exit Upper Sill, Frame 45 - Frame 49 CF12.1 Baggage Compartment Exit Upper Sill - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-22-02	532213

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF14.1	Wing Pickup Fitting, Frame 29 CF14.1 Wing Pickup Fitting Left and Right Frame 29 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532052 532053
CF14.2	Center Fuselage Upper Frame 29 and Frame 38 CF14.2 Center Fuselage Upper Frame 29 and Frame 38 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532054 532055
CF15.1	Wing Pickup Fitting, Frame 38 CF15.1 Wing Pickup Fitting Left and Right Frame 38 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532056 532057
CF16.1	Wing-to-Fuselage Left Fitting, Frame 29 CF16.1 Wing Attachment Fitting Left Frame 29 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571625
CF16.2	Wing-to-Fuselage Right Fitting, Frame 29 CF16.2 Wing Attachment Fitting Right Frame 29 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571626
CF16.3	Wing-to-Fuselage Right Fitting, Frame 38 CF16.3 Wing Attachment Fitting Vertical Frame 38 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571627
CF16.4	Wing-to-Fuselage Left Fitting, Frame 38 CF16.4 Wing Attachment Fitting Horizontal Frame 38 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571628

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF18.1	Wing-to-Fuselage Connection Forward Drag Link, Frame 28 - Frame 29 CF18.1 Wing to Fuselage Attachment Forward Drag Link Between Frame 28 and Frame 29 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-16-00	571629
CF18.2	Wing-to-Fuselage Connection Forward Right Link, Frame 29 CF18.2 Wing to Fuselage Attachment Forward Link Right Frame 29 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571630
CF18.3 CF18.4 CF18.7 - CF18.10	Forward and Aft Horizontal Wing-to-Fuselage Connection Link, Frame 38 CF18.3, CF18.4, CF18.7 - CF18.10 Wing to Fuselage Attachment Rear Horizontal Link Frame 38 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571632 thru 571637
CF18.5	Rear Vertical Wing-to-Fuselage Connection Link, Frame 38 CF18.5 Wing to Fuselage Attachment Rear Vertical Link Frame 38 - NDT Inspection	HFEC / Ultrasonic	10,000 flight cycles	5000 flight cycles	57-16-00	571631
CF19.1	Center Fuselage Side Frame 34, Lower Left / Right CF19.1 Center Fuselage Side Frame 34 Lower Left and Right - NDT Inspection	LFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532067 532068

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF19.2	Center Fuselage Side Frame 37, Lower Left / Right CF19.2 Center Fuselage Side Frame 37 Lower Left and Right - NDT Inspection	LFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532069 532070
CF19.3	Center Fuselage Side Frame 39, Left / Right CF19.3 Center Fuselage Side Frame 39 Left and Right - NDT Inspection	LFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532071 532072
CF19.4	Center Fuselage Side Frame 41, Left / Right CF19.4 Center Fuselage Side Frame 41 Left and Right - NDT Inspection	LFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532073 532074
CF19.5	Center Fuselage Side Frame 50, Left / Right CF19.5 Center Fuselage Side Frame 50 Left and Right - NDT Inspection	LFEC	10,000 flight cycles	5000 flight cycles	53-20-02	532075 532076
CF19.6	Center Fuselage Upper Frame 41 CF19.6 Center Fuselage Upper Frame 41 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-20-02	532077
CF19.7	Center Fuselage Upper Frame 50 CF19.7 Center Fuselage Upper Frame 50 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-20-02	532078

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF21.1 - CF21.6	Pressure Bulkhead Shear Ties, Frame 50 - Frame 51 CF21.1 - CF21.6 Aft Fuselage Pressure Bulkhead Shear Ties Between Frames 50 and Frame 51 - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	53-34-00	533411 thru 533422
CF22.1	Emergency Door Bracket, Frame 33 and Frame 35 CF22.1 Emergency Door Brackets at Frame 33 and Frame 35 - NDT Inspection	HFEC / MFEC	10,000 flight cycles	5000 flight cycles	52-21-00	522112
CF22.2	Emergency Door Bracket, Upper Sill CF22.2 Emergency Door Brackets Upper Sill - NDT Inspection	HFEC / MFEC	10,000 flight cycles	5000 flight cycles	52-21-00	522113
CF22.3	Emergency Door Bracket, Lower Sill CF22.3 Emergency Door Bracket Lower Sill - NDT Inspection	HFEC / MFEC	10,000 flight cycles	5000 flight cycles	52-21-00	522114
CF22.4 - CF22.12	Baggage Door Brackets CF22.4 - CF22.12 Baggage Door Brackets - NDT Inspection	HFEC	10,000 flight cycles	2500 flight cycles	52-31-00	523121 thru 523129

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CF23.1 CF23.2	Center Fuselage Longeron Fitting, Auxiliary Bulkhead, BL 12.99 (330 mm) CF23.1, CF23.2 Auxiliary Bulkhead Forward Inboard Longeron Fitting, Left and Right Side, BL 12.99 (330 mm) - NDT Inspection	HFEC	10,000 flight cycles	2500 flight cycles	53-21-02	532122 532123
AF1.7	Aft Fuselage Lower Right Angle Support, FS 578.27 (14,688 mm) AF1.7 Aft Pressure Bulkhead Lower Right Angle Support FS 578.27 (14688 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533346
AF1.8	Aft Fuselage Lower Left Angle Support, FS 578.27 (14,688 mm) AF1.8 Aft Pressure Bulkhead Lower Left Angle Support FS 578.27 (14688 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533347
AF1.13	Aft Fuselage Lower Frame, FS 582.2 (14,788 mm) AF1.13 Aft Pressure Bulkhead Lower Frame Inner Flanges at Corner Radius - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533352
AF1.20	Aft Pressure Bulkhead Omega Channel 4, WL 35.43 (WL 900 mm) AF1.20 Aft Pressure Bulkhead Omega Channel 4 WL35.43 (WL900 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533359

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF1.21	Aft Pressure Bulkhead Omega Channel 5, WL 27.95 (WL 710 mm) AF1.21 Aft Pressure Bulkhead Omega Channel 5 WL27.95 (WL710 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533360
AF1.25	Aft Pressure Bulkhead Web, FS 577.48 (14,668 mm) AF1.25 Aft Pressure Bulkhead Web - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533362
AF1.29	Aft Pressure Bulkhead Doubler, Aperture 4 AF1.29 Aft Pressure Bulkhead Doubler Aperture 4 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533364
AF1.30	Aft Pressure Bulkhead Doubler, Aperture 1 AF1.30 Aft Pressure Bulkhead Doubler Aperture 1 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533365
AF1.31	Aft Pressure Bulkhead Doubler, Aperture 3 AF1.31 Aft Pressure Bulkhead Doubler Aperture 3 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533366
AF1.32	Aft Pressure Bulkhead Doubler, Aperture 2 AF1.32 Aft Pressure Bulkhead Doubler Aperture 2 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533367

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF1.33	Aft Pressure Bulkhead Right Doubler Adaptor, FS 577.64 (14,672 mm), WL 32.28 (WL 820 mm) AF1.33 Aft Pressure Bulkhead Doubler Adaptor Right FS 577.64 (14672 mm) WL32.28 (WL820 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533368
AF1.47	Aft Pressure Bulkhead Right Longeron Bath Tab Fitting AF1.47 Aft Pressure Bulkhead Bathtub Fitting Right Longeron - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533393
AF1.48	Aft Pressure Bulkhead Left Longeron Bath Tab Fitting AF1.48 Aft Pressure Bulkhead Bathtub Fitting Top Left Longeron - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-03	533394
AF2.1	Forward Engine Mount Lugs, Left / Right AF2.1 Forward Engine Mount Lugs - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-34-00	533425 533426
AF2.9	Engine Yoke Connection Bolt, Left / Right AF2.9 Forward Engine Mount Bolt Yoke Connection - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-34-00	533433 533434
AF3.2	Engine Pylon Rib 6, Left / Right AF3.2 Engine Pylon Rib 6 Upper and Lower Lugs / Flange - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	54-50-00	545009 545010

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF3.2.1	Aft Engine Mount Strut Connection Bolt, Left / Right AF3.2.1 Aft Engine Mount Strut Connection 1/2 Inch Bolts - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	54-50-00	545011 545012
AF3.3	Engine Thrust Link, Left / Right AF3.3 Engine Thrust Link - NDT Inspection	Ultrasonic	10,000 flight cycles	5000 flight cycles	54-50-00	545013 545014
AF3.4	Engine Thrust Link Fitting, Left / Right AF3.4 Aft Engine Mount Thrust Link Fitting - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-34-00	533445 533446
AF3.5 AF3.6	Aft Engine Mount Frame 55, Left / Right AF3.5, AF3.6 Aft Engine Mount Frame 55 to Rib 6 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-34-00	533447 533448
AF4.4	Upper Longeron, Frame 56 - Frame 60, Left AF4.4 Aft Fuselage Left Upper Longeron Frame 56 - Frame 60 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-02	533306
AF4.5	Upper Longeron, Frame 56 - Frame 60, Right AF4.5 Aft Fuselage Right Upper Longeron Frame 56 - Frame 60 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-02	533307

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF6.1	Aft Fuselage Upper Joint Splice, Frame 56, FS 639.41 (16,241 mm) AF6.1 Aft Fuselage Joint Splice Frame 56 FS 639.41 (16,241 mm) - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-02	533316
AF8.1	Aft Fuselage Upper Skin, Frame 50 - Frame 64 AF8.1 Aft Fuselage Upper Skin - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-01	533301
AF10.1	Aft Fuselage Upper Skin Doubler, Frame 56 AF10.1 Aft Fuselage Upper Skin Doubler Frame 56 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	53-33-01	533302
AF11.1	Aft Fuselage, Frame 56 at Boomerang Attachment AF11.1 Aft Fuselage Upper Frame 56 at Boomerang Attachment - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-33-02	533324
AF11.5	Aft Fuselage, Frame 60 at Boomerang Attachment AF11.5 Aft Fuselage Upper Frame 60 at Boomerang Attachment - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-33-02	533328

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
AF11.6	Aft Fuselage, Frame 63 at Boomerang Attachment AF11.6 Aft Fuselage Upper Frame 63 at Boomerang Attachment - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	53-33-02	533329
E1.1	Vertical Stabilizer Front Spar E1.1 Vertical Stabilizer Front Spar - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553021
E1.2	Vertical Stabilizer Front Boomerang Fittings 1 and 2 E1.2 Vertical Stabilizer to Aft Fuselage Front Boomerang Attach Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553022
E1.4	Vertical Stabilizer Front Drag Fitting E1.4 Vertical Stabilizer to Aft Fuselage Front Drag Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553023
E1.6 E1.7	Vertical Stabilizer Front Attach Strap E1.6, E1.7 Vertical Stabilizer Fuselage Front Attach Strap - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553025 553026
E2.1	Vertical Stabilizer Mid Spar E2.1 Vertical Stabilizer Mid Spar - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553027

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E2.2	Vertical Stabilizer Mid Boomerang Fittings 1 and 2 E2.2 Vertical Stabilizer to Aft Fuselage Mid Boomerang Attach Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553028
E2.6 E2.7	Vertical Stabilizer Mid Attach Angle E2.6, E2.7 Vertical Stabilizer Fuselage Mid Attach Angle - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553029 553030
E2.11	Vertical Stabilizer Mid Drag Fitting E2.11 Vertical Stabilizer to Aft Fuselage Mid Drag Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553031
E3.1	Vertical Stabilizer Rear Spar E3.1 Vertical Stabilizer Rear Spar - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553032
E3.2	Vertical Stabilizer Rear Boomerang Fittings 1 and 2 E3.2 Vertical Stabilizer to Aft Fuselage Rear Boomerang Attach Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553033
E3.3	Vertical Stabilizer Rear Drag Fitting E3.3 Vertical Stabilizer to Aft Fuselage Rear Drag Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553034

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E3.7	Vertical Stabilizer Rear Attach Angle E3.7 Vertical Stabilizer Fuselage Rear Attach Angle - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553035
E3.13	Upper Rudder Hinge Fittings 1 and 2 E3.13 Vertical Stabilizer Rear Spar Upper Rudder Hinge Fitting 1 and Fitting 2 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-31-01	553121
E3.14	Mid Rudder Hinge Fittings 1 and 2 E3.14 Vertical Stabilizer Rear Spar Mid Rudder Hinge Fitting 1 and Fitting 2 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-31-01	553122
E3.15	Lower Rudder Hinge Fittings 1 and 2 E3.15 Vertical Stabilizer Rear Spar Lower Rudder Hinge Fitting 1 and Fitting 2 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-31-01	553123
E4.1 E4.2	Vertical Stabilizer Shear Deck, Front and Rear Lower, Rib 0 E4.1, E4.2 Vertical Stabilizer Front and Rear Lower Shear Deck Rib 0 - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553037 553038
E4.3	Vertical Stabilizer Shear Deck, Front, Rib 1 E4.3 Vertical Stabilizer Front Rib 1 - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553039

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E4.4	Vertical Stabilizer Shear Deck, Rear, Rib 2 E4.4 Vertical Stabilizer Rear Rib 2 - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553040
E4.5	Vertical Stabilizer Rear Rib 6 E4.6 Vertical Stabilizer Rear Rib 10 - NDT / Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553041
E4.6	Vertical Stabilizer Rear Rib 10 E4.6 Vertical Stabilizer Rear Rib 10 - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553042
E4.7	Vertical Stabilizer Fitting, Rear Rib 10 E4.7 Vertical Stabilizer Rear Rib 10 Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553043
E4.8	Vertical Stabilizer Shear Deck, Upper, Rib 12 E4.8 Vertical Stabilizer Upper Shear Deck Rib 12 - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553044
E5.1 E5.2	Horizontal Stabilizer Trim Actuator Fittings E5.1, E5.2 Vertical Stabilizer Lower Horizontal Stabilizer Trim Actuator Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553045 553046

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E5.3 E5.4	Vertical Stabilizer Mid Spar Flight Control Fittings E5.3, E5.4 Vertical Stabilizer Upper and Lower Flight Control Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553047 553048
E5.5	Front Rudder Actuator Fittings 1 and 2 E5.5 Vertical Stabilizer Mid Spar Forward Rudder Actuator Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553049
E5.6	Rear Rudder Actuator Fittings 1 and 2 E5.6 Vertical Stabilizer Rear Spar Rudder Actuator Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-30-00	553050
E5.7	Vertical Stabilizer Pivot Fittings E5.7 Vertical Stabilizer Pivot Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-31-01	553124
E6.3 E6.4	Left / Right Primary Sleeve Pivot E6.3, E6.4 Horizontal to Vertical Stabilizer Primary Sleeve Pivot - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-31-01	553125 553126
E6.5	Secondary Sleeve Pivot E6.5 Horizontal to Vertical Stabilizer Secondary Sleeve Pivot - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-31-01	553127

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E7.1 E7.2	Vertical Stabilizer Composite Skins E7.1, E7.2 Vertical Stabilizer Composite Skin - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-30-00	553051 553052
E8.1	Horizontal Stabilizer Scissors, Lower Brace Fitting E8.1 Horizontal Stabilizer Scissors Lower Brace Fitting - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-11-01	551177
E8.2	Horizontal Stabilizer Scissors, Upper Brace E8.2 Horizontal Stabilizer Scissors Upper Brace - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-11-01	551178
E8.3	Horizontal Stabilizer Scissors, Lower Brace E8.3 Horizontal Stabilizer Scissors Lower Brace - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-11-01	551179
E8.4 E8.5	Horizontal Stabilizer Scissors, Upper Brace Fitting E8.4, E8.5 Horizontal Stabilizer Scissors Upper Brace Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-11-01	551180 551181
E8.6	Horizontal Stabilizer Brace Backup Fitting E8.6 Horizontal Stabilizer Backup Brace Fitting - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-11-01	551182

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PSE Number	Description	NDI Type	Inspection Interval		ATA Ref	CMP Ref
	Aircraft Maintenance Manual Procedure		Initial	Repeat		
E10.1	Horizontal Stabilizer Upper Center Skin E10.1 Horizontal Stabilizer Upper Center Skin - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-10-01	551131
E10.2	Horizontal Stabilizer Upper Outer Skin, Left / Right E10.2 Horizontal Stabilizer Upper Outer Skin - Visual / NDT Inspection	Visual / Tap Test	10,000 flight cycles	5000 flight cycles	55-10-01	551133 551134
E10.3	Horizontal Stabilizer Lower Center Skin E10.3 Horizontal Stabilizer Lower Center Skin - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-10-01	551135 551136
E10.4	Horizontal Stabilizer Lower Outer Skin, Left / Right E10.4 Horizontal Stabilizer Lower Outer Skin - Visual / NDT Inspection	Visual / Tap Test	10,000 flight cycles	5000 flight cycles	55-10-01	551137 551138
E11.1	Horizontal Stabilizer Center Front Spar E11.1 Horizontal Stabilizer Center Front Spar - Visual / NDT Inspection	LFEC / HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551139
E11.2	Horizontal Stabilizer Outer Front Spar, Left / Right E11.2 Horizontal Stabilizer Outer Front Spar - Visual / NDT Inspection	Visual / Tap Test	10,000 flight cycles	5000 flight cycles	55-10-02	551141 551142

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E11.3	Horizontal Stabilizer Front Spar Splice Fitting, Left / Right E11.3 Horizontal Stabilizer Front Spar Splice Fitting - NDT Inspection	LFEC / X-ray	10,000 flight cycles	5000 flight cycles	55-10-02	551143 551144
E11.4	Horizontal Stabilizer Center Rear Spar E11.4 Horizontal Stabilizer Center Rear Spar - Visual / NDT Inspection	LFEC / HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551145
E11.5	Horizontal Stabilizer Outer Aft Spar, Left / Right E11.5 Horizontal Stabilizer Outer Rear Spar - Visual / NDT Inspection	Visual / Tap Test	10,000 flight cycles	5000 flight cycles	55-10-02	551147 551148
E11.7	Horizontal Stabilizer Rear Spar Splice, Left / Right E11.7 Horizontal Stabilizer Rear Spar Splice - NDT Inspection	LFEC / X-ray	10,000 flight cycles	5000 flight cycles	55-10-02	551149 551150
E12.1 - E12.3	Horizontal Stabilizer Upper Attachment E12.1, E12.2, E12.3 Horizontal Stabilizer Forward Attachment Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-11-01	551183 551184 551185
E13.1	Horizontal Stabilizer Rib 0 E13.1 Horizontal Stabilizer Rib 0 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-10-02	551151

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E13.2	Horizontal Stabilizer Rib 1, Left / Right E13.2 Horizontal Stabilizer Left and Right Rib 1 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-10-02	551152
E13.3 - E13.5	Horizontal Stabilizer Rib 2 - Rib 4, Left / Right E13.3, E13.4, E13.5 Horizontal Stabilizer Rib 2, Rib 3 and Rib 4 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551153 551154 551155
E13.6	Horizontal Stabilizer Rib 1-1 Intercostal, Left / Right E13.6 Horizontal Stabilizer Rib 1-1 Intercostal - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-10-02	551168
E14.1	Horizontal Stabilizer Pivot Fitting E14.1 Horizontal Stabilizer Pivot Fitting - NDT Inspection	HFEC / Ultrasonic / Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551156
E14.2	Horizontal Stabilizer Rib 2 - Rib 3 Intercostal E14.2 Horizontal Stabilizer Rib 2 and Rib 3 Intercostal - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551157 551158
E14.3	Horizontal Stabilizer Actuator Backup Intercostal E14.3 Horizontal Stabilizer Actuator Backup Intercostal - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551159

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
E14.4	Elevator Actuator Rear Fitting E14.4 Elevator Actuator Rear Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551161 551162
E14.5	Elevator Actuator Front Fitting E14.5 Elevator Actuator Front Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551163 551164
E14.7 E14.8	Horizontal Stabilizer Flight Control Fittings 1 and 2 E14.7, E14.8 Horizontal Stabilizer Flight Control Fittings - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551165 551166
E14.9	Elevator Stop Fitting E14.9 Elevator Stop Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-10-02	551167
E15.1 - E15.6	Elevator Hinge Fittings E15.1, E15.2, E15.3, E15.4, E15.5, E15.6 Elevator To Horizontal Stabilizer Attachment Fittings - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-21-01	552105 thru 552116
E16.1 - E16.4	Elevator Fittings E16.1, E16.2, E16.3, E16.4 Elevator Fittings - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-21-01	552121 thru 552128
E16.6	Elevator Torsion Box Skins E16.6 Elevator Torsion Box Skins - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-20-00	552007 552008

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PSE Number	Description	NDI Type	Inspection Interval		ATA Ref	CMP Ref
	Aircraft Maintenance Manual Procedure		Initial	Repeat		
E17.1 - E17.3	Rudder Fittings E17.1, E17.2, E17.3 Rudder Fittings - Visual or NDT Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	55-41-01	554111 554112 554113
E17.4 E17.5	Rudder Actuator Fittings E17.4, E17.5 Rudder Actuator Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	55-41-01	554114 554115
E17.6	Rudder Torsion Box E17.6 Rudder Torsion Box - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	55-40-00	554011
CP1 Location W1.1 W1.2 W1.3 W4.1	Front Spar Splice CP1 Front Spar Splice - NDT Inspection	HFEC / LFEC	10,000 flight cycles	5000 flight cycles	57-02-00	570221 570222
CP2 Location W1.1 W1.2	Front Spar Web Penetrations CP2 Front Spar Web Penetrations - Visual / NDT Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-02-00	570223 570224
CP3 Location W2.1 W2.2 W2.3 W4.3	Rear Spar Splice CP3 Rear Spar Splice - NDT Inspection	HFEC / LFEC	10,000 flight cycles	5000 flight cycles	57-02-00	570225 570226

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP4 Location W2.1 W2.2	Rear Spar Web Penetrations CP4 Rear Spar Web Penetrations - Visual / NDT Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-02-00	570227 570228
CP5 Location W1.1 W4.1 W4.4	Lower Skin Splice at Front Spar, BL 0 CP5 Lower Skin Splice at Front Spar BL 0 - NDT Inspection	HFEC / X-ray	10,000 flight cycles	5000 flight cycles	57-02-00	570229 570230
CP6 Location W2.1 W4.3 W4.4	Lower Skin Splice at Rear Spar, BL 0 CP6 Lower Skin Splice at Rear Spar BL 0 - NDT Inspection	HFEC / X-ray	10,000 flight cycles	5000 flight cycles	57-02-00	570231 570232
CP7 CP12 Location W4.1 W4.2 W4.3 W4.4 W5 W7.1	Lower Skin Splice, Stringer Runouts, and Drain Holes at BL 0 CP7, CP12 BL 0 Lower Skin Splice, Stringer Runouts and Drain Holes - NDT / Visual Inspection	HFEC / X-ray / Visual	10,000 flight cycles	5000 flight cycles	57-10-00	571003 571004
CP8 Location W1.1 W1.2 W2.1 W2.2 W4.1 W4.2 W4.3	Lower Spar Caps and Stiffeners CP8 Front and Rear Lower Spar Caps and Stiffeners - Visual / NDT Inspection	LFEC / HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-02-00	570233 570234

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Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP9 Location W5.1 W5.2 W5.3	Lower Skin and Lower Stringers CP9 Lower Skin and Lower Stringer - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-02-00	570235 570236
CP9 Location W5.3	Stringer 3 Aft Skin at Fuel Partition Brackets CP9 Stinger 3 Aft Skin at Fuel Partition Brackets - Visual Inspection NOTE: Applies to Aircraft 2001 and Aircraft 2003 through Aircraft 2079 Pre-Mod G25-20726.	Visual	5000 flight cycles	5000 flight cycles	57-02-00	570241 570242
CP10 Location W4.1 W4.2 W4.3 W5.1 W5.2 W5.3	Lower Skin Stringer Runouts CP10 Lower Skin and Lower Stringer Runouts - Visual / NDT Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-02-00	570237 570238
CP11 Location W4.2	Lower Skin Access Cutouts CP11 Lower Skin Access Cutouts - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-02-00	570239 570240
CP13 CP14 Location W1.1 W6.1 W6.2	Wing-to-Fuselage Forward Attachments CP13, CP14 Wing To Fuselage Forward Attachments - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-16-00	571638 571639 571640

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP15 CP16 Location W2.1 W6.3 W6.4	Wing-to-Fuselage Aft Fittings CP15, CP16 Wing To Fuselage Aft Fittings - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-16-00	571641 571642 571643
CP17 Location W1.1 W6.5	Wing-to-Fuselage Drag Link Fitting CP17 Wing Drag Link Fitting - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-16-00	571645 571646
CP18 Location W2.1 W4.3 W8.1 W8.2	Main Landing Gear Sponson CP18 Main Landing Gear Sponson and Attachments To Torsion Box - NDT Inspection	HFEC / LFEC	10,000 flight cycles	5000 flight cycles	57-51-00	575109 575110
CP19 Location W2.1 W4.3 W8.4 W8.5 W8.6	Main Landing Gear Actuator and Side Brace Attachments and Backup Structure CP19 Main Landing Gear Actuator and Side Brace Fittings - Visual / NDT Inspection	LFEC / HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-10-00	571011 571012

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP20 Location W9.6 W9.7	Flap Track A Roller Fitting CP20 Flap Track A Roller Fittings - NDT Inspection NOTE: Applies to Aircraft 2001 and Aircraft 2003 thru Aircraft 2054 Pre-SB 280-57-133 (Pre-Mod G25-10710) having the following flap assembly part numbers: • 30P191000002-501 / -502 • 30P191000003-501 / -502 • 30P191000004-501 / -502 • 30P191000005-501 / -502 • 30P191000006-501 / -502 • 30P191000007-501 / -502 • 30P191000008-501 / -502 • 30P191000009-501 / -502	HFEC	1000 flight cycles	225 flight cycles	57-50-00	575033 575034
CP20 Location W9.1 W9.2 W9.4 W9.8 W9.9	Flap Track A Support and Ribs CP20 Flap Track A Support and Ribs - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575035 575036

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP20 - CP23 Location W2.2 W4.3 W9.3 W9.5 W10.3 W10.5 W11.3 W11.5 W12.3 W12.5	Flap Track A - D CP20 - CP23 Flap Tracks A - D - NDT Inspection	BHEC / HFEC	5000 flight cycles	5000 flight cycles	57-50-00	575025 575026
CP20 CP23 Location W9.1 W9.6 W9.7 W12.1 W12.6 W12.7	Flap Tracks A and D Flanges and Roller Fittings CP20, CP23 Flap Tracks A and D Flanges and Roller Fittings - NDT Inspection NOTE: Applies to Aircraft 2003 thru Aircraft 2033 Pre-SB 280-57- 060 (Pre-Mod G25-10705) having the following flap assembly part numbers: • 30P191000002-501 / -502 • 30P191000003-501 / -502 • 30P191000004-501 / -502 • 30P191000005-501 / -502 • 30P191000006-501 / -502	BHEC / HFEC	1000 flight cycles	150 flight cycles	57-50-00	575027 575028

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Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP20 CP23 Location W9.1 W9.6 W9.7 W12.1 W12.6 W12.7	Flap Tracks A and D Support Structure CP20, CP23 Flap Tracks A and D Flanges and Roller Fittings - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575027 575028
CP21 Location W10.1 W10.2 W10.4 W10.6 W10.7 W10.8 W10.9 W10.10 W10.11	Flap Track B and Backup Structure CP21 Flap Track B and Backup Structure - NDT Inspection	BHEC / HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575037 575038
CP21 Location W10.1	Flap Track B Flange CP21 Flap Track B Flange - NDT Inspection	HFEC	5000 flight cycles	2500 flight cycles	57-50-00	575039 575040

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP21 CP22 Location W10.7 W11.8	Flap Track B and C Roller Fitting CP21, CP22 Flap Track B and C Roller Fitting - NDT Inspection NOTE: Applies to Aircraft Pre-Mod G25-20725 having the following flap assembly part numbers: • 30P191000002-501 / -502 • 30P191000003-501 / -502 • 30P191000004-501 / -502 • 30P191000005-501 / -502 • 30P191000006-501 / -502 • 30P191000007-501 / -502 • 30P191000008-501 / -502 • 30P191000009-501 / -502 • 30P191000010-501 / -502 • 30P191000011-501 / -502	HFEC	5000 flight cycles	3000 flight cycles	57-50-00	575011 575012
CP22 Location W11.1 W11.2 W11.4 W11.6 W11.7 W11.8 W11.9 W11.10 W11.11	Flap Track C and Backup Structure CP22 Flap Track C and Backup Structure - NDT Inspection	BHEC / HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575043 575044

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP23 Location W12.1 W12.2 W12.4 W12.8 W12.9	Flap Track D Support and Ribs CP23 Flap Track D Support and Ribs - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575051 575052
CP23 Location W12.6 W12.7	Flap Track D Roller Fittings CP23 Flap Track D Roller Fittings - NDT Inspection NOTE: Applies to Aircraft 2003 thru Aircraft 2039 Pre-SB 280-57- 047 (Pre-Mod G25-10708 and Pre-Mod G25-07112) having the following flap assembly part numbers: • 30P191000002-501 / -502 • 30P191000003-501 / -502 • 30P191000004-501 / -502 • 30P191000005-501 / -502	HFEC / LFEC	1000 flight cycles	100 flight cycles	57-50-00	575029 575030
CP24 Location W13.1 W25.1	Flap Forward Spar CP24 Flap Forward Spar - NDT / Visual Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575059 575060

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP25 Location W2.2 W14.1 W23.1 W23.2 W23.3 W23.4 W23.5	Spoiler No. 1 Fittings and Backup Structure CP25 Spoiler No. 1 Fittings and Backup Structure - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575015 575065
CP25 Location W14.1	Spoiler No. 1 Upper Skin Center Lug CP25 Spoiler No. 1 Upper Skin Center Lug Radius - NDT Inspection NOTE: Applies to Aircraft 2001 thru Aircraft 2112 Pre-Mod G25- 20733.	HFEC	5000 flight cycles	1500 flight cycles	57-50-00	575031 575032
CP26 Location W2.2 W15.1 W23.6 W23.7 W23.8 W23.9 W23.10	Spoiler No. 2 Fittings and Backup Structure CP26 Spoiler No. 2 Fittings and Backup Structure - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575016 575066

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP27 Location W2.2 W16.1 W23.6 W23.11 W23.12 W23.13 W23.14	Spoiler No. 3 Fittings and Backup Structure CP27 Spoiler No. 3 Fittings and Backup Structure - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-50-00	575017 575067
CP28 Location W2.2 W17.1 W17.2 W17.3	Aileron Inboard Fittings and Backup Structure CP28 Aileron Inboard Fittings and Backup Structure - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575018 575068
CP29 Location W2.2 W18.1 W18.2 W18.3	Aileron Mid Fittings and Backup Structure CP29 Aileron Mid Fittings and Backup Structure - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575019 575069
CP30 Location W2.2 W19.1 W19.2 W19.3	Aileron Outboard Fittings and Backup Structure CP30 Aileron Outboard Fittings and Backup Structure - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575020 575070
CP31 Location W20.1 W20.2	Aileron Trim Tab Inboard Fittings CP31 Aileron Trim Tab Inboard Fittings - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575021

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP32 Location W20.3 W20.4	Aileron Trim Tab Outboard Fittings CP32 Aileron Trim Tab Outboard Fittings - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575022
CP33 Location W21.1 W21.2	Aileron Gear Tab Inboard Fittings CP33 Aileron Gear Tab Inboard Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575023 575073
CP34 Location W21.3 W21.4	Aileron Gear Tab Outboard Fittings CP34 Aileron Gear Tab Outboard Fitting - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-50-00	575024 575074
CP36 Location W1.1 W2.1 W7.1 W7.5	Rib 0 CP36 Rib 0 - Visual / NDT Inspection	LFEC / HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-10-00	571005
CP37 Location W1.1 W2.1 W7.2	Rib 1 CP37 Rib 1 - Visual / NDT Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-10-00	571007 571008
CP38 Location W1.1 W2.1 W7.3	Rib 2 CP38 Rib 2 - Visual / NDT Inspection	HFEC / Visual	10,000 flight cycles	5000 flight cycles	57-10-00	571009 571010
CP41 Location W7.4	Rib 5 Forward Radius CP41 Rib 5 - NDT Inspection	HFEC	10,000 flight cycles	5000 flight cycles	57-10-00	571013 571014

Table 3: Airworthiness Inspection Section

PSE Number	Description Aircraft Maintenance Manual Procedure	NDI Type	Inspection Interval		ATA Ref	CMP Ref
			Initial	Repeat		
CP53 Location W24.1 W24.2 W24.3	Butterfly Clips at Rib 0, Rib 1, and Rib 2 CP53 Butterfly Clips of Rib 0 - Rib 2 - Visual Inspection	Visual	10,000 flight cycles	5000 flight cycles	57-10-00	571015 571016

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B. Life Limited Components

The Life Limits Components table addresses those items that have been defined as being life limited.

See Table 4 and Table 5.

Table 4: Chapter 27 - Life Limited Components

Airworthiness Limitations Instructions					
Part Number	Nomenclature	Qty	Discard	ATA Ref	CMP Ref
30P5830011XX-XXX	Horizontal Stabilizer Trim Actuator Mid Life Verification - Restore MRB Ref: 27-40-00/04 CMR Ref: 27-40-01 NOTE: See Table 6 Certification Maintenance Requirements (CMR), CMR Ref 27-40-01.	1	Note	27-41-01	274101
83460205	Horizontal Trim Switch - Discard	2	800 flight cycles	27-41-03	274125 274126
30P512100300-001 30P512100301-001 Moog C64897-001	Inboard Flap Actuator - Discard	2	10,000 flight cycles	27-51-02	275115 275116
30P512100400-501 30P512100400-502 30P512100401-501 30P512100401-502 Moog C64899-001 Moog C64899-002 Moog C64899-003 Moog C64899-004	Outboard Flap Actuator - Discard	1	10,000 flight cycles	27-51-02	275117 275118

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Table 5: Chapter 32 - Life Limited Components

Airworthiness Limitations Instructions					
Part Number	Nomenclature	Qty	Discard	ATA Ref	CMP Ref
30P252001002-501/-502 30A2520100-505/-506	Main Landing Gear Shock Strut Assembly - Discard MRB Ref: 32-10-00/09 NOTE: For any flight operation where there is a landing after a steep approach which is greater than 4.5 degrees, the life status tracking of this part / assembly shall be updated to record the cycle as 2.8 flight cycles. Therefore, a record of such approaches should be kept.	2	4000 flight cycles	32-10-00	321005 321006
30P251000000-501/-502	Main Landing Gear Installation - Discard MRB Ref: 32-10-00/09 NOTE: For any flight operation where there is a landing after a steep approach which is greater than 4.5 degrees, the life status tracking of this part / assembly shall be updated to record the cycle as 2.8 flight cycles. Therefore, a record of such approaches should be kept.	2	20,000 flight cycles	32-10-00	321119 321120
30P265036001-501	Main Landing Gear Door Lower Rod Assembly - Discard	2	2000 flight cycles	32-13-03	321327 321328
30P271000000-501	Nose Landing Gear Installation - Discard MRB Ref: 32-20-00/08	1	18,800 flight cycles	32-20-00	322003

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Table 5: Chapter 32 - Life Limited Components

Airworthiness Limitations Instructions					
Part Number	Nomenclature	Qty	Discard	ATA Ref	CMP Ref
30P716016001-001 41004664-2	Emergency Landing Gear Pressure Vessel - Hydrostatic Functional Check MRB Ref: 32-30-00/07 NOTE: Perform hydrostatic functional check at 3 years. The count for hydrostatic test shall commence every 3 years from date of last hydrostatic test inspection or original hydrostatic test date.	1	Note	32-34-01	323406

C. Certification Maintenance Requirements (CMR)

(1) Introduction

The following presents a list of all Gulfstream G280 Certification Maintenance Requirements (CMR), based on safety analyses, performed to meet requirements of FAR / JAR 25.1529, 14 CFR 25 Appendix H, Instructions for Continued Airworthiness and other relevant requirements and engineering judgement.

The fuel system airworthiness Limitations inspections are identified in the CMR table 6. These are maintenance inspections that are necessary to maintain the design features required to preclude the existence or development of ignition sources within the fuel tank system throughout the operational life of the airplane. These inspections are the result of safety analysis performed to substantiate compliance with CFR / JAR 25.981 as presented in IAI Engineering Report 30P041/061675.

(2) Types

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

- (a) One star CMR (*) - The task and interval specified are mandatory and cannot be changed, escalated or deleted without the concurrence of the Civil Aviation Authority of Israel (CAAI).
- (b) Two star CMR (**) - The task intervals may be adjusted in accordance with an 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 6.

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

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C checks or monthly inspections may be accomplished on any day of the calendar month that they are due.

Flight hours and flight cycles are tracked from first flight. C Checks and calendar items (monthly checks) are clocked from Entry Into Service (EIS) after completion of initial outfitting installation, unless EIS exceeds 12 months from Certificate of Airworthiness. If EIS exceeds 12 months from Certificate of Airworthiness, then C Checks and calendar items (monthly checks) are clocked from the aircraft Certificate of Airworthiness date plus 12 months.

Airworthiness Limitation Section, Certification Maintenance Requirements (CMR), added an explanation of when to start tracking the CMR requirements.

Table 6: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
21-31-02	Safety Valve - Functional Check MRB Ref: 21-30-00/03 CMR Ref: 21-30-01 NOTE: Perform at 1500 flight hours or 2C, whichever occurs first.	*	213113	Note
21-31-00	Manual Pressurization Control System - Operational Check MRB Ref: 21-30-00/01 MRB Ref: 21-30-00/02 MRB Ref: 21-30-00/04 CMR Ref: 21-30-02 NOTE: Perform at 2000 flight hours or 2C, whichever occurs first.	*	213101	Note
21-31-00	Cabin Altitude Limit Warning - Functional Check CMR Ref: 21-30-03	*	213103	1000 flight hours
26-21-00	Engine Fire Extinguishing System - Functional Check MRB Ref: 26-20-00/04 MRB Ref: 26-20-00/06 CMR Ref: 26-00-02	*	262101	500 flight hours
26-21-00	Engine Fire Shut-off Valves - Operational Check ⁽¹⁾ MRB Ref: 28-20-00/02 MRB Ref: 29-10-00/02 CMR Ref: 26-00-02 NOTE: Perform at 500 flight hours or 2C, whichever occurs first.	*	262103	Note
26-21-00	APU Fire Shut-off Valve - Operational Check ⁽¹⁾ MRB Ref: 28-20-00/03 CMR Ref: 26-00-03 NOTE: Perform at 1000 flight hours or 2C, whichever occurs first.	**	262104	Note

(1) Task satisfies the Fuel System Airworthiness Limitations Inspections requirement.

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Table 6: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
26-21-00	APU Fire Extinguishing System - Functional Check ⁽¹⁾ MRB Ref: 26-20-00/01 MRB Ref: 26-20-00/11 CMR Ref: 26-00-03	**	262102	1000 flight hours
27-11-05	Aileron Disconnect Mechanism - Operational Check MRB Ref: 27-10-00/05 CMR Ref: 27-10-01 NOTE: Perform at 2000 flight hours or 2C, whichever occurs first.	*	271137	Note
27-60-00	Roll Assist Disconnect Switch - Operational Check CMR Ref: 27-10-02	*	276004	1000 flight hours
27-13-03	Aileron Gear Tab Linkage - Detailed Inspection MRB Ref: 27-10-00/04 MRB Ref: 27-10-00/06 CMR Ref: 27-10-03	*	271331 271332	3000 flight hours
27-12-01	Aileron Trim Actuator Output Shaft and Aileron Trim Tab Free Play - Functional Check MRB Ref: 27-12-00/01 MRB Ref: 27-12-00/02 CMR Ref: 27-10-04	*	271204	6500 flight hours
27-21-01	Rudder Servo Actuators Damping Orifice - Operational Check MRB Ref: 27-20-00/05 CMR Ref: 27-20-01 NOTE: Perform at 20A. CMR requirement is 20,000 flight hours.	**	272107	Note
27-21-01	Rudder Servo Actuator - Functional Check MRB Ref: 27-20-00/01 CMR Ref: 27-20-02 NOTE: Perform at 20A, CMR requirement is 20,000 flight hours.	**	272105	Note
27-21-01	Rudder Free Play - Functional Check CMR Ref: 27-20-03	*	272124	3000 flight hours
27-31-00	Elevator Force Disconnect Unit - Functional Check MRB Ref: 27-30-00/01 CMR Ref: 27-30-01 NOTE: Perform at 2000 flight hours or 2C, whichever occurs first.	*	273106	Note

(1) Task satisfies the Fuel System Airworthiness Limitations Inspections requirement.

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Table 6: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
27-31-04	Elevator Damping Orifice - Operational Check MRB Ref: 27-30-00/08 CMR Ref: 27-30-02 NOTE: Perform at 20A. CMR requirement is 20,000 flight hours.	**	273147 273148	Note
27-34-03	Eddy Current Damper - Functional Check MRB Ref: 27-30-00/03 CMR Ref: 27-30-03	*	273415	2000 flight hours
27-34-01	Force Disconnect Unit - Detailed Inspection CMR Ref: 27-30-04	*	273407	20,000 flight hours
27-31-04	Elevator Surface Linkage Visual Inspection and Free Play Check CMR Ref: 27-30-05	*	273151 273152	4000 flight hours
27-31-04	Elevator Servo Actuator Compensator Damping and Stiffness - Functional Check MRB Ref: 27-30-00/07 CMR Ref: 27-30-06	*	273145 273146	4000 flight hours
27-31-04	Elevator Servo Actuator Compensator Volume - Functional Check MRB Ref: 27-30-00/05 CMR Ref: 27-30-07 NOTE: Perform at 20A, CMR requirement is 20,000 flight hours.	*	273143 273144	Note
27-41-01	Horizontal Stabilizer Trim Actuator Mid Life Verification - Restore MRB Ref: 27-40-00/04 CMR Ref: 27-40-01 NOTE: Perform at 18,000 flight hours or 10 years whichever occurs first. Exempt from allowable windows.	*	274101	Note
27-41-01	Horizontal Stabilizer Trim Actuator Torque Limiter - Functional Check MRB Ref: 27-40-00/05 CMR Ref: 27-40-03 NOTE: Perform at 6A, CMR requirement is 4500 flight hours.	**	274116	Note
27-51-02	Flap Actuator - Restore MRB Ref: 27-50-00/04 CMR Ref: 27-50-01	*	275111 275112 275113 275114	20,000 flight hours

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Table 6: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
28-00-00	Cross-side Jettison - Operational Check ⁽¹⁾ MRB Ref: 28-20-00/04 MRB Ref: 28-30-00/01 CMR Ref: 28-00-01 NOTE: Perform at 3A or 8C, whichever occurs first. The CMR requirement is 2000 flight hours.	**	280001	Note
28-10-00	Positive / Negative Relief Valve - Operational Check ⁽¹⁾ MRB Ref: 28-10-00/02 CMR Ref: 28-00-02 NOTE: Perform at 4000 flight hours or 8C, whichever occurs first.	**	281001	Note
28-14-00	Flame Arrestor - Detailed Inspection ⁽¹⁾ MRB Ref: 28-10-00/03 CMR Ref: 28-00-03 NOTE: Perform at 4000 flight hours or 8C, whichever occurs first.	**	281431	Note
28-00-00	Fuel Jettison System - Functional Check ⁽¹⁾ CMR Ref: 28-00-04	**	280002	2000 flight hours
28-10-00	Fuel Tanks Internal - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-05	**	281005 281006 281007 281008 281009	4000 flight hours
28-10-00	Lower Fuselage Bay - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-08	**	281010	4000 flight hours
28-10-00	Zone between Forward Fuel Tank and Wing Fuel Tanks - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-09	**	281011 281012	4000 flight hours
28-10-00	Zone between Aft Fuel Tank and Wing Fuel Tanks - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-09	**	281013 281014	4000 flight hours
28-10-00	Zone between Feed Tank and Engine - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-10	**	281015	4000 flight hours
28-11-04	Wing Forward Spar - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-06	**	281111 281112	4000 flight hours
28-11-04	Wing Aft Spar - Detailed Inspection ⁽¹⁾ CMR Ref: 28-00-07	**	281113 281114	2000 flight hours

(1) Task satisfies the Fuel System Airworthiness Limitations Inspections requirement.

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Table 6: Certification Maintenance Requirements (CMR)

ATA Ref	Description	Type	CMP Ref	Initial / Repeat
32-21-05	Nose Landing Gear Downlock Springs - General Visual Inspection CMR Ref: 32-00-02	**	322133 322134	1500 flight hours
32-52-01	Nose Wheel Steering Latch Circuit - Functional Check CMR Ref: 32-50-01	**	325208	3000 flight hours
49-61-01	APU Electronic Control Unit - Restore CMR Ref: 49-00-01	**	496103	5000 APU hours
71-20-00	Engine Mounts - General Visual Inspection CMR Ref: 72-00-01	*	712005 712006	1000 flight hours
78-32-00	Pivot Door Actuator Internal Lock - Operational Check MRB Ref: 78-30-00/13 CMR Ref: 78-00-01 NOTE: Perform at 3A, CMR requirement is 2000 flight hours.	**	783201 783202	Note
78-32-00	Electro-Hydraulic Lock Assembly - Operational Check MRB Ref: 78-30-00/12 CMR Ref: 78-00-02	**	783205 783206	2000 flight hours

D. Critical Design Configuration Control Limitations (CDCCL)

CDCCL's include information necessary to maintain those design features that have been determined by analysis of the fuel tank system as needed to preclude development of ignition sources. They may include any maintenance procedure that could result in a failure, malfunction, or defect endangering the safe operation of the airplane, if not performed properly or if improper parts or materials are used. This information is essential to ensure that maintenance, repairs, or alterations do not unintentionally violate the integrity of the original type design of the fuel tank system.

Table 7: Critical Design Configuration Control Limitations

CDCCL Number	Item Description
20-CDCCL-001	Fuel Tank Ignition Source Prevention - FQMS wiring located within the fuel tanks. Concern: Potential ignition source due to arcing or sparking caused by improper use of wire splice repairs. The following must be maintained per AMM 20-15-00: The use of wire splices is prohibited on Fluid Quantity Measurement System (FQMS) wiring located within any fuel tank. Damaged FQMS wiring must be replaced.

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CDCCL Number	Item Description
20-CDCCL-002	Fuel Tank System Airworthiness Limitations Inspections Concern: Development of ignition sources within the fuel tank system. The Fuel Tank System Airworthiness Limitations Inspections must be maintained per AMM 05-10-10, Table 6 to preclude the existence or development of ignition sources within the fuel tank system throughout the operational life of the airplane.
20-CDCCL-003	Wire Routing in Proximity to Flammable Fluid Carrying Lines Concern: Potential ignition source in the event of flammable fluid carrying line leakage OR arcing faults between wiring and flammable fluid carrying lines. Wire Routing and Separation standards must be maintained as per AMM 20-15-00.
20-CDCCL-004	Fluid Quantity Measurement System (FQMS) Wire Bundles Concern: Potential ignition source due to arcing or sparking caused by chafing of FQMS wiring and power wires. FQMS wiring shall be bundled together and routed separately from all other electrical wiring / bundles as per AMM 20-15-00. Yellow marker identification tags with printed title 'Fuel Measurement' shall be used to provide a visible means of identifying FQMS wiring.

E. Canadian Certified Aircraft Requirements

Table 8 lists additional mandatory limitations required by aircraft certified in Canada.

Table 8: Canadian Mandatory Limitations

Item No.	Item	Item Description
1	Lightning Protection of Painted Fuselage Fuel Tanks	When painting or re-painting the Forward and Aft fuel tanks, the total paint thickness shall not exceed 9 mils.

F. Temporary Limitation and Inspection Requirements

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 9: Temporary Limitation and Inspection Requirements

AWL NO.	REPORT NO.	CMP	DESCRIPTION	EFFECT	INTERVAL	COMPLY WITHIN	LIFE LIMIT
AWL-1	MOD G25-10706 MOD G25-00469 SB 280-57-036	980360	Wing wiring harness installation retrofit.	Aircraft 2003 thru Aircraft 2014	—	No later than June 30, 2014	—
AWL-2	MOD G25-20047 MOD G25-00469 MOD G25-00487 SB 280-57-071	980710	Electrical harnesses routing improvements of left and right wing leading edge inboard area and left and right trailing edge near spoiler number 3.	Aircraft 2003 thru Aircraft 2021	—	No later than June 30, 2014	—
AWL-3	SB 280-27-210 Rev. 1 or later revision	274118	Horizontal Stabilizer Trim Actuator No – Back Operational Check	Effective for the following Aircraft that are Pre-SB 280-27-210 Rev. 1 or later revision: Aircraft 2007, Aircraft 2008, Aircraft 2011 thru Aircraft 2016, Aircraft 2021, Aircraft 2025, Aircraft 2027 thru Aircraft 2029, Aircraft 2035, Aircraft 2042, Aircraft 2043, Aircraft 2045, Aircraft 2048, Aircraft 2050, and Aircraft 2054.	Every 300 flight hours	Airplanes with more than 300 flight hours at time of publication date of AMM Rev 12, perform no later than 15 November, 2019. Compliance with SB 280-27-210 Revision 1 or later, terminates the temporary limitations of AWL-3 “SB 280-27-210 must be complied with within 24 months of publication date of AMM Rev. 12”.	—

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G. Reportable Maintenance Events

In accordance with FAA Exemption 10408, operators of certified G280 Aircraft are required to report maintenance events resulting from specific Honeywell AS907 engine Line Replaceable Unit (LRU) failure modes that could contribute or cause uncontrolled high thrust failure conditions.

The subject LRU and associated failure modes are listed in Table 10. Each such confirmed failure occurrence must be reported to the FAA by operators certified under the following Code of Federal Regulations (CFR) as part of the compliance requirements of this exemption:

- CFR 121.703(c)
- CFR 125.409(c)
- CFR 135.415(c)
- OEM under CFR 21.3

Table 10: LRU and Associated Failure Modes

No.	LRU Component	Failure Mode
1	HMU	Metering valve stuck open
2	HMU	Proportional bypass valve failure
3	HMU	Metering valve LVDT malfunction
4	ECU	BIT fails to detect erroneous N1 output
5	ECU N1 speed sensor monopole	Erroneous N1 output
6	ECU	Metering valve driver fails active
7	ECU	BIT circuit failure
8	ECU	Processor or support circuit failure
9	ECU	Erroneous PLA input
10	TQA	Lever mechanism seizure or jam
11	TQA	RVDT shaft seizure or jam
12	TQA	RVDT wiring open circuit or short to ground
13	TQA	Auto-throttle motor jam
14	TQA	Auto-throttle motor override clutch failure

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