

4.0 Maintenance Requirements

A. General

State-of-the-art technologies engaged in the design and manufacturing processes, exceptional durability of the materials chosen and engineered maintainability features have enabled the QS3 system to benefit from reduced maintenance requirements, compared to the original OEM thrust reverser system. All inspections are concurrent with existing Gulfstream airframe, engine and exhaust system requirements, and no items are life or cycle limited. The following tables compare applicable maintenance items of the OEM and QS3 systems. There are no additional maintenance requirements beyond those shown and any repairs, replacements or adjustments are determined by “on-condition” basis.

B. Scheduled Maintenance Checks (OEM vs. QS3)

MAIN MANUAL CHAPT/ SECT	DESCRIPTION OF MAINTENANCE PROCEDURES	CMP CODE ¹	OEM G-III	QS3 G-III
53-00-00	Tail Compartment Above Floor - Inspection	534005	24 Months	24 Months
54-00-00	Pylon Exterior – Inspection	541010 (LH) 541015 (RH)	300 Hours	300 Hours
78-00-00	Engine Thrust Reverser – Inspection	785010 (LH) 785015 (RH)	24 Months	24 Months ²
78-00-00	Engine Thrust Reverser – Operational Test	785020 (LH) 785025 (RH)	24 Months	24 Months ²
78-00-00	Thrust Reverser Interlock Feedback System – Operational Test / Adjustment	785030 (LH) 785035 (RH)	24 Months	24 Months ²
78-00-00	Thrust Reverser (Aircraft Not Having ASC 171) – Lubrication	785036 (LH) 785037 (RH)	1,000 Ldgs	Deleted
78-00-00	Thrust Reverser Links (Aircraft Having ASC 171) – Lubrication	785038 (LH) 785039 (RH)	150 Hours	Deleted
78-00-00	Thrust Reverser Door Forward Hinge Points (Aircraft Having ASC 171) – Lubrication	785046 (LH) 785047 (RH)	1,000 Ldgs	Deleted
78-00-00	Thrust Reverser – “On Condition” Structural Inspection	782011 (LH) 782012 (RH)	4,000 Ldgs	Deleted

1. CMP Codes shown are those assigned by Gulfstream Aerospace Corporation for aircraft without the QS3 system installed. For aircraft with the QS3 system installed, contact Gulfstream for verification or assignment of new CMP codes for use with QS3 installation.
2. Perform concurrently with OEM 77-01-00 Engine Pressure Ratio (EPR) System – Inspection / Test, CMP Codes 770530 (LH), 770535 (RH).

C. Mean Time Between Overhaul / Scrap (OEM vs. QS3)

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PART NO.	NOMENCLATURE		CMP CODE ¹	OEM G-III		QS3 G-III	
				REQMT	FREQ	REQMT	FREQ
1159P21004	Engine Thrust Reverser Assembly	HT	782010 (LH) 782020 (RH)	OVER HAUL	4,000 LDGS	None	Unlimited
1159P21004	Engine Thrust Reverser Assembly (Aircraft Not Having ASC 119 or 119A and ASC 171)	HT	782010 (LH) 782020 (RH)	OVER HAUL	5,000 LDGS	None	Unlimited

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