



DA-1503B

ANTENNA DRIVE UNIT

COMPONENT MAINTENANCE

MANUAL

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5. Scheduled Maintenance

Table 5-4 lists the maximum time between maintenance intervals.

INTERVAL (HOURS)	TASK
500	- Lubricate the slip ring. - Check per Table 5-1.
3000	-Disassemble and replace gear reduction bearings: 2088196-0027 (QTY=2) & 2088196-0018 (QTY=4)
5000	- Disassemble and replace AZ and tilt bearings: 147-05181-0001 (QTY=1), 147-05181-0002 (QTY=1), 147-05181-0003 (QTY=1) and 147-05182-0001 Qty=1) - Replace the slip ring 155-0296-0501 and brush block. 155-02928-0501

Scheduled Maintenance
Table 5-4

6. Disassembly and Assembly

A. General

There is no fixed sequence for total disassembly/assembly of the antenna drive unit. Examination of the figures in the Parts List (Section VI) reveals that several approaches may be taken to disassemble/assemble the various detail parts and subassemblies.

However, major sections of the antenna must be disassembled/assembled in sequence, and this section of the manual contains the recommended procedure to allow the maximum time to elapse between each maintenance operation.

Remove the antenna array prior to beginning any disassembly operation of the antenna drive unit.

NOTE

Unless otherwise specified, assembly procedures are performed in the reverse order of disassembly.

B. Disassembly

(1) Tilt Drive

(a) Remove cover (047-12436-0001).

(b) Tilt Synchro

(1) Loosen set-screw (089-05861-0012) in rotor.