Product Manager Firefinder
U.S. Army Communications-Electronics Command
Fort Monmouth, New Jersey 07703-5000

Maintenance Bulletin

AN/TPQ-36(V)7 and (V)8	FILE NO. 159	REVISION:
	DATE: 5/1/01	CATEGROY: O-Maintenance
SUBJECT: Antenna Stowage Receiver (Bracket) Assembly Replacement	SYSTEMS AFFECTED: All	

1. Purpose: To alert maintenance personnel to the problem of excess wear in the antenna stowage receiver assembly pin sockets, and to provide the proper procedure to replace the antenna stowage receiver assemblies.
2. Summary of the problem: Because of excess wear in the antenna stowage receiver asembly pin socket, damage
may occur to the antenna and the entire antenna stowage system.
3. Corrective action: Antenna Stowage Receiver Assembly Replacement Kit. The replacement kit contains the following parts.

NOMENCLATURE	NSN	PART NO. / CAGE C		QTY
Receiver Assembly, Antenna Stowage	TBD	A3184342	(80063)	2
Washer, Flat, 1/4-inch	5310-01-304-8733	MS15795-852	(96906)	8
Washer, Lock, 1/4-inch	5310-00-933-8121	MS35338-139	(96906)	8
Screw, Socket Hd., 1/4-28 x 1.250L	5305-00-225-7775	MS16996-25	(96906)	8

4. Procedure: This maintenance bulletin procedure covers the removal of both worn antenna stowage receiver assemblies, and the installation of the new antenna stowage receiver assemblies.

APPROVED BY LOGISTICS MANAGER: Walter Tyson, PMFF DATE: 5/1/01

4.1. Check both antenna stowage receiver assembly pins for signs of wear, excess movement or visible wear in the pin socket.

NOTE

In extreme cases, the top of the bracket will show signs of contact with the antenna stowage latch assembly bolt heads.

NOTE

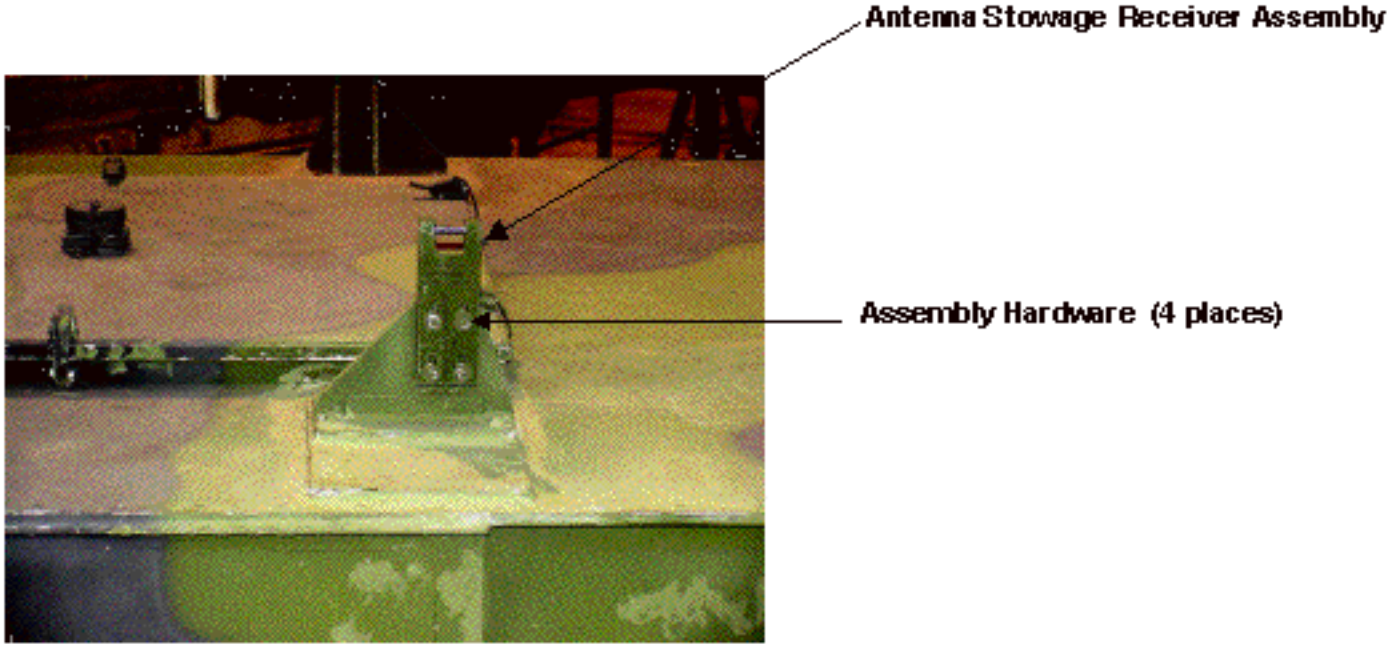
There are two antenna stowage latch assemblies. Even if only one assembly is bad or damaged, both antenna stowage latch assemblies must be replaced.

4.2. If excessive signs of wear are shown, remove and replace both antenna stowage receiver assemblies using the following procedure.

4.2.1. Erect the antenna using one of the following procedures:

a. For AN/TPQ-36(V)7: TM 11-5840-378-10, Chapter 2, Section I, paragraph 2.4.8, Erect Antenna.

b. For AN/TPQ-36(V)8: TM 11-5840-380-10, Chapter 2, Section I, paragraph 2.6.8, Erect Antenna.



CAUTION

When marking the antenna stowage receiver assembly location, do not use a scribe or other tool that will damage the paint. Use only a pencil or other non-intrusive marking device

4.2.2. Before removing the antenna stowage receiver assembly, mark the present location of the assembly, using a pencil or other marking device.

4.2.3. Remove the assembly hardware (four places), and the assembly from the bracket. Set hardware and assembly aside for disposition (disposal).

4.2.4. Place the new antenna stowage receiver assembly in position using the lines marked in paragraph 4.2.2 as a guide.

4.2.5. Secure the antenna stowage receive assembly using four each socket head screws, 1/4 inch lockwashers, and 1/4 inch flat washers.

4.2.6. Install the second antenna stowage receiver assembly using the procedure in paragraphs 4.2.2 through 4.2.5.

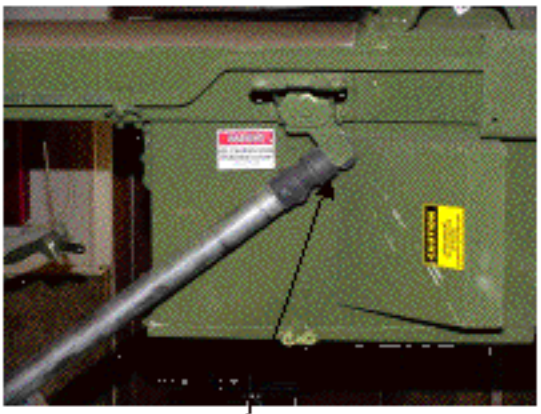
4.2.7. After both antenna stowage receiver assemblies are installed, return the antenna to stowage position using one of the following procedures:

a. For AN/TPQ-36(V)7: TM 11-5840-378-10, Chapter 2, Section II, paragraph 2.7.4.4, Stow Antenna.

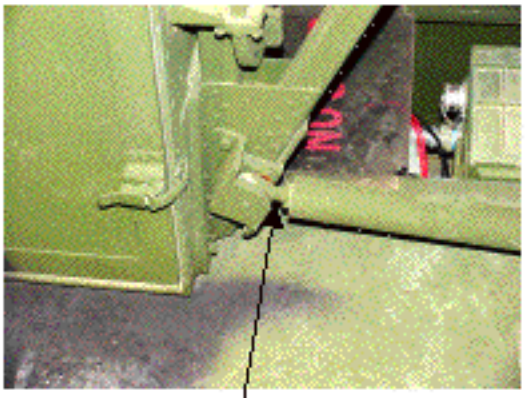
b. For AN/TPQ-37(V)8: TM 11-5840-380-10, Chapter 2, Section II, paragraph 2.10.5.5, Stow Antenna.

Antenna Shown in Stowed Position

Antenna Stow Rod



Collar Release



Jam Nut

4.2.8. After antenna is in stowed position, it may be necessary to adjust the antenna stow rods (both sides) to ensure they are not bound (or jammed) in position.

4.2.9. Remove the upper end of the antenna stow rod by pulling down on the collar release, and removing the antenna stow rod from the stow strut assembly top mounting bracket.

4.2.10. Loosen the jam-nut on the bearing rod end of the antenna stow rod.

4.2.11. Turn the antenna stow rod clockwise or counter-clockwise, until the upper end of the antenna stow rod engages and disengages easily from the stow strut assembly top mounting bracket.

4.2.12. When a comfortable fit has been established, tighten the jam-nut, and attach the upper end of the antenna stow rod to the stow strut assembly top mounting bracket.

4.2.13. Repeat this procedure (shown in paragraphs 4.2.9 through 4.2.12) for the second antenna stow rod.