

**2-249.1 Removal – Crew Inertia Reel (MA-16 Inertia Reel).**

- a. Remove bolt, washer, and nut securing harness from inertia reel strap. Remove shoulder harness from seat.
- b. Set inertia reel control handle to manual lock (front) and remove safety wire from knurl nut on inertia reel. Disconnect knurled nut from inertia and remove control cable.
- c. Remove bolts, washers and nuts securing inertia reel assembly from support bracket and remove inertia reel.

**2-250. Inspection — Armored Crew Seat.**

- a. Visually inspect armor panels for bonding separation, cracks, or any unserviceable condition. If a void is suspected, refer to TM 1-1520-256-23, Technical Manual Aviation Unit Maintenance (AVUM) and Aviation Intermediate Maintenance (AVIM) Manual Nondestructive Inspection Procedures for UH-1 helicopter series.
- b. Inspect quick release lever (13, figure 2-47) (two locations) for condition and lockwire installation.
- c. Inspect seat hardware, belts, shoulder harness for condition and security.

**2-251. Repair or Replacement — Armored Crew Seat.**

- a. Replace unserviceable parts.
- b. Lockwire quick release handle using 0.020 inch copper wire (C305). Lubricate quick release mechanism with lubricant (C136).
- c. Lubricate seat rollers with lubricant (C136).
- d. Secure rubber channels (14, figure 2-47) with adhesive (C57).
- e. On the under surface of the crew seat frame bottom, P/N AL-1040-55-00 in the center install a 1/4 inch thick rubber pad (C3230, 8 in. X 8 in, with cement (C57) between inner and outer flaps of seal cover to prevent damage to cover by bolt heads. The rubber is NSN 9320-00-241-9758.
- f. On the upper surface of the armor seat plate bottom, NSN 1680-00-975-0199, P/N 178046-1/-3, attach in center at forward edge a 12 in. X 12 in. 1/4 thick rubber pad using cement EC1357, NSN 8040-00-165-8614, item (C57) in Table 1-1.

**NOTE**

Use only P/N 17810-11 bolts inside back panel to prevent cracking tiles.

- g. A stencil shall be applied on the front of the back panel of the armored seat P/N 178061-3 to state the size of bolts (P/N 17810-5) to be used when repairing armored. The wording of stencil is to be as follows:

**NOTE**

Use only P/N 17810-5 bolts inside back panel to prevent cracking tiles.

- h. Remove area on lower extremity of the angle lower armor seat bracket P/N 178054-11/-12, one inch wide and 5/16 inch deep with one inch radius. Center of removal area will be 5/8 inch from weld center as shown in Figure 2-46.7, P/N 178054-11/-12 are shown in Figure 37, item 28, in TM 55-1520-23P-1.

**2-251.1 Installation Crew Inertia Reel (MA-16).**

- a. Position MA-16 inertia reel assembly on support bracket with the control head assembly on the right and facing down. Secure assembly to the bracket using bolts, washers, and nuts.

**CAUTION**

The existing cable and control assembly must have a minimum stroke of 5/8 of an inch. The cable and control assembly must be replaced if the above condition is not met.

- b. Connect control cable and knurled nut to inertia reel; tighten finger tight, and lockwire knurled nut.
- c. Attach inertia reel strap to shoulder harness with bolt, nut, and washer.
- d. Perform OPERATIONAL CHECK (Para 2-233, c and d).

**2-252. Installation — Armored Crew Seat (Figure 2-47).**

- a. Position seat roller on aft end of tracks. Lift handle on left side of seat and slide seat forward on tracks.
- b. Install stop (9) on aft end of tracks using spacer (10), washer (12), and bolt (11).