

CHAPTER 15**FURNISHINGS**

<u>Section</u>	<u>Title</u>	<u>Page</u>
15.000	Furnishings	15.1
15.001	Introduction	15.1
15.002	Description	15.1
15.100	Seat Belt	15.1
15.110	Seat Belt Removal	15.1
15.120	Seat Belt Installation	15.1
15.200	Seat Assembly	15.3
15.210	Seat Bottom Assembly Removal and Installation	15.3
15.220	Seat Back Assembly Removal and Installation	15.3
15.300	Carpet	15.4
15.310	Carpet Removal	15.4
15.320	Carpet Installation	15.5
15.400	Foam Installation	15.5
15.410	Foam Removal	15.5
15.420	Foam Installation	15.5
15.500	Map Holder Pocket	15.6
15.510	Map Holder Removal	15.6
15.520	Map Holder Installation	15.6
15.600	Fire Extinguisher	15.6
15.610	Fire Extinguisher Holder Removal	15.6
15.620	Fire Extinguisher Holder Installation	15.7
15.700	License Holder	15.7
15.710	License Holder Removal	15.7
15.720	License Holder Installation	15.7
15.800	Operator's Manual Strap	15.8
15.810	Strap Removal	15.8
15.820	Strap Installation	15.8

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CHAPTER 15

FURNISHINGS

15.000 Furnishings

15.001 Introduction

This section contains the procedures necessary for removal, installation, replacement and maintenance of interior furnishings.

15.002 Description

A baggage space is located under each seat and the seat bottom hinges up and forward for access. Each seat is equipped with a combined seat belt and inertia reel shoulder strap.

15.100 Seat Belt

15.110 Seat Belt Removal

- a) The inertia reel is held by four screws thru the vertical 'V' bulkhead into a plate and nut (rt. side); on the left permanently attached nutplates are used. Remove the screws, retaining any loose hardware for later re-installation.
- b) Remove the bolt holding each end of the lap portion of the seat belt. Retain the bolt, spacers, washer and nut for later re-installation.

15.120 Seat Belt Installation

- a) On the older-style shoulder straps, position the shoulder strap to extend from the inertia reel at the approximate front of the reel.

NOTE

The two mounting rings of the inertia reel can be rotated and repositioned to give proper shoulder strap position.

Viewed from above, the reel on the left side should rotate in a clockwise direction and the reel on the right side should rotate in a counter-clockwise direction. On the newer-style shoulder strap assemblies, the inertia reel is mounted below a swivel ring to give proper shoulder strap position. The two styles of shoulder strap assemblies are not interchangeable.

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15.120 Seat Belt Installation (cont'd)

- b) The angular latch is positioned facing up or forward. The belt end fitting is then installed using the required spacer with a washer on each side of the spacer. The bolt head to be inboard, nut torque will be 70 in.-lb plus locking torque.
- c) The belt buckle assembly is installed on the inboard side of the anchor attaching lug using the required spacer with a washer on each side, the bolt head to be pointing inboard, the nut torque will be 70 in.-lb plus locking torque.

CAUTION

No sharp edges or burrs should be found in the round knurled locking bar or the latching plate.

15.200 SEAT ASSEMBLY15.210 Seat Bottom Assembly Removal and Installation

To remove the seat bottom:

- a) Remove the six attaching nuts and screws at the hinge.
- b) Remove the seat bottom from the helicopter.

To install the seat bottom, set seat in place and position the hinge. Install and tighten the attaching screws.

NOTE

Prior to ship S/N 0100, the seat hinge and aircraft were match drilled.

15.220 Seat Back Assembly Removal and Installation

To remove the seat back:

- a) Remove the AN535-832 screws around the perimeter of the seat back.

NOTE

The fuel valve handle must be disconnected when removing the left seat back. See Section 12.000 for handle reinstallation.

- b) Remove the seat back.

15.220 Seat Back Assembly Removal and Installation (cont'd)

To install the seat back:

- a) Install the right seat back using AN525-832 attaching screws. Install the center vertical inspection panel using AN525-832 attaching screws.
- b) Install the left seat back and left collective boot using AN525-832 attaching screws. Install fuel valve handle and retainer plates, ensuring proper handle position. Install the center vertical inspection panel last.

Should the seat back cushion need to be replaced, a new back can be installed onto the seat back panel.

- a) Remove the seat back from the helicopter.
- b) Carefully, drill out the eight rivets holding the cushion to the seat back panel, so as not to elongate or enlarge the hole.
- c) Position the replacement cushion at $1.00 \pm .10$ inch above the top edge of the seat back panel. Using the existing #30 holes in the seat back panel, mark and drill the eight holes in the cushion to match the seat back panel.
- d) Using AVDEL rivets (1601-0410 rivet, 8 each panel) install the cushion to the panel.
- e) Reinstall seat back assembly.

15.300 CARPET15.310 Carpet Removal**CAUTION**

Carpet is installed using adhesive. Caution must be used in removing carpet if it is to be reinstalled.

- a) Remove the four (4) screws, washers and nut holding the carpet pieces nearest each door.
- b) Slowly pull carpet back from corners and scrape under the carpet at the edge that is glued to the underlying structure.

15.320 Carpet Installation

NOTE

Use 3M #44 Spray Adhesive, Pliobond or Stabond T440 to secure the carpet to the underlying structure.

- a) Check carpet for proper fit, trim if required.
- b) Apply the adhesive onto the structure and the bottom side of the foam and carefully install so as not to leave excess adhesive on adjoining areas.
- c) Ensure smooth wrinkle-free surface immediately upon installation before the adhesive sets.
- d) Secure the two carpet pieces nearest each door with the screws, washers and nuts using the existing holes in the structure drilled for that purpose.

15.400 FOAM INSTALLATION15.410 Foam Removal

NOTE

Foam is installed using adhesive. Removal of foam for later reuse is not recommended. Do not damage underlying structure in removal operation.

- a) Peel the largest portions of the foam off by hand.
- b) Carefully remove remaining foam pieces with a putty knife.

15.420 Foam Installation

NOTE

Use 3M #44 Spray Adhesive, Pliobond or Stabond T440 to secure the foam to the underlying structure.

- a) Check foam for proper fit, trim if required.

15.420 Foam Installation (cont'd)

- b) Apply the adhesive onto the structure and the bottom side of the foam and carefully install so as not to leave excess adhesive on adjoining areas.
- c) Ensure smooth wrinkle-free surface immediately upon installation before the adhesive sets.

15.500 MAP HOLDER POCKET15.510 Map Holder Removal

- a) Carefully drill out the five rivets, holding the map holder to the front of the right seat, so as not to elongate or enlarge the hole.
- b) Remove the map holder and the two retaining strips.

15.520 Map Holder Installation

- a) If holes were not previously drilled, use a #30 drill and match drill three holes for the long strip 1 inch from the right edge and two holes for the small strip 12.8 inches from the right edge. (Both strips to be positioned vertically with the edge near the bottom of the front seat.)
- b) Fold the edge of the map holder material around the long strip and position at its matching holes in seat front. Using three AVDEL rivets (1601-0410), install with the rivet head on the inside of the baggage compartment and placing a AN960-6 washer onto the rivet next to the material on the outside, rivet in place.
- c) Pull the material taut, fold the material around the small strip and position over its matching holes. Cut off excess material at this time.

Using two AVDEL rivets, following the procedure above, rivet the smaller strip and material in place.

15.600 FIRE EXTINGUISHER15.610 Fire Extinguisher Holder Removal**CAUTION**

The fire extinguisher holder is sewn into the carpet. Caution must be used in removing carpet if it is to be re-installed.

15.610 Fire Extinguisher Holder Removal (cont'd)

- a) Drill out the four rivets holding the Operator's Manual strap. Do not elongate or enlarge the holes.
- b) Remove the two screws, washers and nuts holding the carpet at the door entrance.
- c) Remove the screws holding the trim strip at the circuit breaker panel.
- d) Remove the carpet per the carpet removal procedure. (See Section 15.310).

15.620 Fire Extinguisher Holder Installation

- a) Install the carpet with the holder following the carpet installation procedure (See Section 15.320.)
- b) Install the two hold-down screws, washers and nuts at the door entrance.
- c) Locate the Operator's Manual strap and install this strap per Section 15.820.
- d) Install the screws holding the trim strip at the circuit breaker panel.

15.700 LICENSE HOLDER15.710 License Holder Removal

NOTE

Early helicopters used screws at three points instead of rivets and a velcro strip and was also positioned on the front of the right seat.

Remove the three attaching screws or drill out the two rivets holding the bottom of license holder, do not elongate or enlarge holes.

15.720 License Holder Installation

- a) If an early serial number aircraft, nuts and screws can be used to reinstall holder or it can be converted over to the rivets and velcro strip.

15.720 License Holder Installation (cont'd)

- b) Position the license holder on the front of the left seat. Drill the two #30 (.128) holes, if necessary, and install the two AVDEL 1602-0410 rivets through the holder with the rivet head inside the baggage compartment and a AN960-6 washer on the rivet, next to the holder.
- c) Install the velcro strip with the adhesive to hold the top of the license holder to the front of the left seat.

NOTE

Use 3M #44 Spray Adhesive,
Pliobond or Stabond T-440.

15.800 OPERATOR'S MANUAL STRAP15.810 Strap Removal

Drill out the four rivets holding the strap to the structure.

CAUTION

Do not elongate or enlarge the holes.

15.820 Strap Installation

- a) Position strap and install using existing holes. Top of the strap is approximately 4.5 inches from the floor panel.
- b) Install the strap using four AVDEL 1601-0410 rivets.