

## CHAPTER 15

## FURNISHINGS

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## CHAPTER 15

## FURNISHINGS

15-00 Description

The seats are not adjustable but each helicopter is delivered with a cushion which can be placed behind the pilot to position him farther forward. This allows shorter pilots to reach the pedals, the cyclic grip in its most forward position, and controls on the center console.

Each seat is equipped with a combined lap belt and inertia reel shoulder strap. The inertia reel is normally free but will lock if there is sudden movement as would occur in an accident.

A baggage compartment is located under each seat. Seat cushions hinge forward for access.

15-10 Seat Harnesses**A. Removal**

1. Hinge seat assemblies forward.
2. Remove hardware securing F628-8 buckle assemblies to inboard anchors. Remove hardware securing lap belt fittings to outboard anchors.
3. Remove shoulder strap guide covers. Remove hardware securing guides to A259 bulkhead.
4. Remove inertia reel covers. Remove hardware securing reels to bulkhead. Remove A628-6 connector assemblies.

**B. Installation**

1. Install hardware securing A628-6 connector assembly inertia reels to A259 bulkhead. Install reel covers. Verify security.
2. Install hardware securing shoulder strap guides to bulkhead. Standard torque bolts per § 23-32. Install guide covers. Verify security.
3. Install hardware securing F628-8 buckle assemblies to inboard anchors; rotate buckles 20° forward from vertical. Standard torque bolts per § 23-32. Verify security.
4. Install hardware securing lap belt fittings to outboard anchors. Standard torque bolts per § 23-32. Verify security.

## 15-20 Seat and Seat Back Assemblies

### 15-21 Seat Assemblies

#### **A. Removal**

Remove hardware securing seat assembly to support and remove seat.

#### **B. Installation**

Position seat assembly on support and install hardware. Verify security.

### 15-22 Seat Back Assemblies

#### **A. Removal**

##### Left Seat Back

1. Remove screws securing pilot's collective boot and ring to A465-4 (vertical) panel assembly, remove ring, and unsnap boot. Remove screws securing panel to cabin and remove panel.
2. Remove screws securing A670-1 (fuel) valve's A798 plates to A003-13 seat back assembly and remove A798-1 plate.
3. Tilt seat assembly forward and remove screws securing co-pilot's collective boot and ring to seat back, remove ring, and unsnap boot. Remove screws securing seat back to cabin and remove seat back. (Remove A798-3 plate.)

##### Right Seat Back

1. Remove screws securing pilot's collective boot and ring to A465-4 (vertical) panel assembly, remove ring, and unsnap boot. Remove screws securing panel to cabin and remove panel.
2. Remove screws securing A003-14 seat back assembly to cabin and remove seat back.

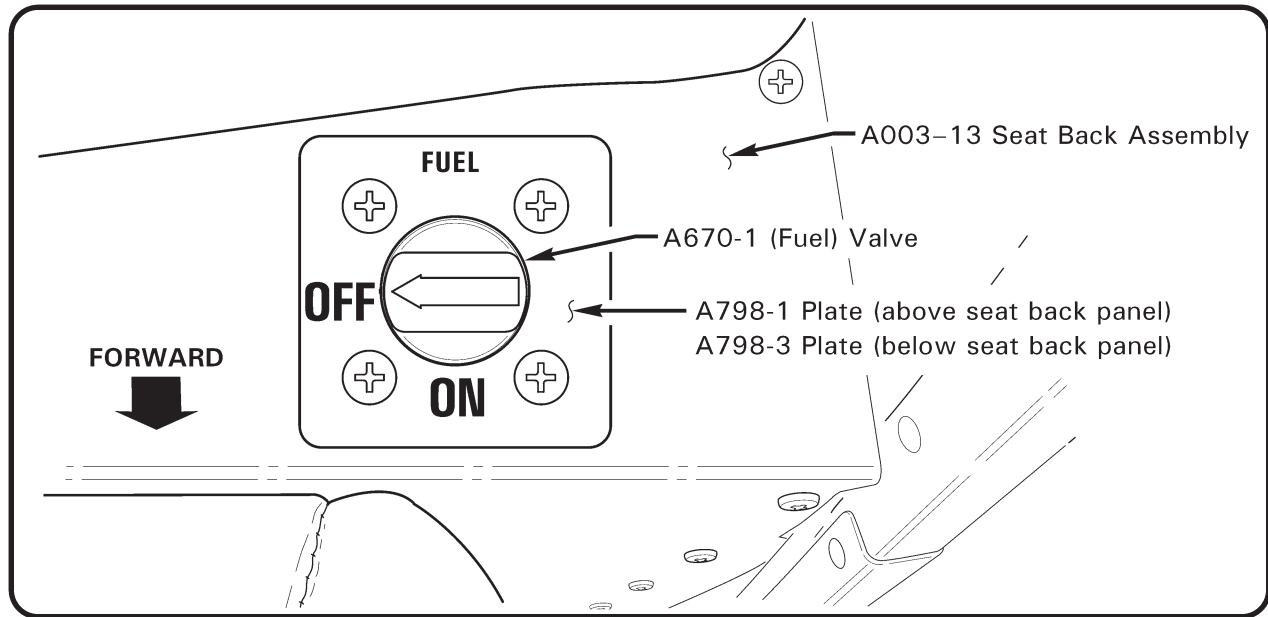


FIGURE 15-1 A798-1 PLATE ORIENTATION (VIEW LOOKING DOWN)

## 15-22 Seat Back Assemblies (continued)

### B. Installation

#### Left Seat Back

1. Position A798-3 plate on A670-1 (fuel) valve. Tilt seat assembly forward and position A003-13 seat back assembly on cabin and install screws. Verify security.
2. Install screws securing co-pilot's collective boot and ring to seat back and snap-up boot. Verify security.
3. Refer to Figure 15-1. Install A798-1 plate on seat back as shown. Special torque screws to 16 in.-lb.
4. Install screws securing A654-4 (vertical) panel assembly to cabin. Install screws securing pilot's collective boot and ring to panel and snap-up boot. Verify security.

#### Right Seat Back

1. Refer to Figure 15-1. Tilt seat assembly forward and position A003-14 seat back assembly on cabin and install screws. Verify security.
2. Install screws securing A654-4 (vertical) panel assembly to cabin. Install screws securing pilot's collective boot and ring to panel and snap-up boot. Verify security.

15-22 Seat Back Assemblies (continued)**C. Back Rest Assembly (Cushion) Replacement**

1. Remove seat back assembly per Part A.
2. Drill out rivets securing back rest assembly (cushion) to seat back panel and deburr holes. Remove cushion.
3. Center and straighten new back rest  $1.00 \pm 0.10$  inch above top edge of seat back panel. Match drill seat back panel #30 holes through back rest. Deburr holes and clean up debris.
4. Attach back rest cushion to seat back panel with rivets. Verify security.

15-30 Carpet**A. Removal**

1. Floor carpets: Remove hardware securing scuff plates (and carpet) to cabin floor and remove scuff plates, if installed.

**CAUTION**

Use caution when removing adhered carpet if carpet is intended for reuse.

2. Starting at corners, gently peel back carpet by hand, or with plastic wedge or putty knife.
3. Dampen old adhesive with Dupont Prep-Sol (or equivalent) to facilitate removal.

**B. Installation**

1. Verify proper carpet fit. Trim as required (do not trim carpet welt).
2. Apply B270-8 adhesive to bonding surface and carpet backing. Press carpet to surface, smooth wrinkles, and remove excess adhesive prior to curing.
3. Install hardware securing scuff plates (and carpet) to cabin floor if removed. Verify security.

15-40 Insulation (Foam and Headliner)**A. Removal****NOTE**

Use caution not to damage surface underneath insulation when removing insulation with tools.

**NOTE**

Insulation is installed using adhesive, except under seat assemblies. Order new insulation as required; reuse of removed insulation is not recommended.

1. Peel off insulation by hand.
2. Using plastic wedge or putty knife, carefully remove residual insulation and old adhesive.
3. Wipe bonding surface with clean cloth, wet with acetone.

**B. Installation**

1. Verify proper insulation fit. Trim as required.
2. Apply B270-8 adhesive to bonding surface and insulation backing. Press insulation to surface, smooth wrinkles, and remove excess adhesive prior to curing.

## 15-50 General Maintenance

### 15-51 Pilot's Operating Handbook (POH) Strap Replacement

#### **A. Removal**

Remove POH. Drill out rivets securing POH retaining strap to chin and remove strap. Deburr holes and clean up debris.

#### **B. Installation**

Cleco POH retaining strap to chin. Progressively remove clecos and install rivets. Verify security. Install POH.

### 15-52 License Holder Replacement

#### **A. Removal**

Remove contents. Drill out rivets securing license holder to chin and remove license holder. Deburr holes and clean up debris.

#### **B. Installation**

Cleco license holder to chin. Progressively remove clecos and install rivets. Verify security. Install contents and tuck holder under frame.

### 15-53 Map Pocket Replacement

#### **A. Removal**

Remove contents. Drill out rivets securing map pocket to seat support. Remove pocket, washers, and retaining strips. Deburr holes and clean up debris.

#### **B. Installation**

1. Fold (long) outboard pocket edge around (long) A913-1 strip, align holes, and align holes with front of forward seat box. Cleco in place.
2. Pull material taut, fold (short) inboard pocket edge around (short) A913-2 strip, align holes, and align holes with front of forward seat box. Cleco in place. Trim excess material.
3. Progressively remove clecos and install washers and rivets.



## 15-60 Emergency Equipment

### 15-61 Emergency Locator Transmitter (ELT)

#### **A. Description**

The ELT activates when subjected to a significant change in velocity (as in an accident), by remote control switch located on the cyclic control panel, or by a switch on the ELT transmitter. Refer to § 33-80 for system description.

Refer to Kannad Aviation AF Integra / AF-H Integra or 406 AF-Compact/406 AF-Compact (ER) ELT Installation and Operation Manual for maintenance requirements and procedures. Refer to § 1.101 for scheduled maintenance and inspections. |

Register an ELT when first purchased, when contact information changes, or when aircraft ownership, or tail number changes. Registration information is available online at: [www.cospas-sarsat.org](http://www.cospas-sarsat.org).

Dongles contain a memory chip that must be programmed with aircraft-specific information prior to installation for the ELT to function. The dongle may be removed and shipped to RHC or a Kannad Service Center for reprogramming. Kannad Aviation's Programming Data Sheet is available online at: [www.robinsonheli.com](http://www.robinsonheli.com).

#### **B. Transmitter**

##### Removal

1. Release D693-4 strap assembly or B359-2 (reusable) ty-rap.
2. Release Velcro strap; disconnect dongle and antenna wiring from transmitter at connectors and remove transmitter.

##### Installation

1. Connect dongle and antenna wiring to transmitter at connectors. Verify security.
2. Position transmitter on mounting bracket and secure with Velcro strap. Secure D693-4 strap assembly or install B359-2 (reusable) ty-rap around transmitter and bracket. Verify security.

#### **C. Dongle**

##### Removal

Cut and discard ty-raps as required, disconnect dongle from transmitter and airframe harness at connectors, and remove dongle.

##### Installation

1. Connect programmed dongle to transmitter and airframe harness at connectors.
2. Install ty-raps as required. Cinch ty-raps until snug without over-tightening, and trim tips flush with heads. Verify security.

15-62 Fire Extinguisher**CAUTION**

Extinguisher is rated for a storage and operating temperature of 120°F (49°C). If operating conditions would expose extinguisher to higher temperatures (e.g. long term parking in the sun in a hot climate), remove extinguisher and store it in a cooler area between flights.

**A. Inspection**

*Every month:* Visually inspect fire extinguisher and perform weight check (a scale with 1 gram precision or better is required). Remove extinguisher from service if total weight falls below 500 grams. If desired, order one G654-15 decal (blank maintenance log) and attach to extinguisher, to record weight checks.

*Every 12 years:* Remove fire extinguisher from service. Year of manufacture is labeled on bottom of extinguisher; remove extinguisher from service at end of 12th year from labeled date.

**B. Bracket Removal**

1. Unlatch fire extinguisher bracket and remove extinguisher.
2. Remove hardware securing bracket to chin and remove bracket.

**C. Bracket Installation**

1. Install hardware securing fire extinguisher bracket to chin. Select screw length as required to provide 0.00–0.06 inch thread exposure. Verify security.
2. Install fire extinguisher and latch bracket.