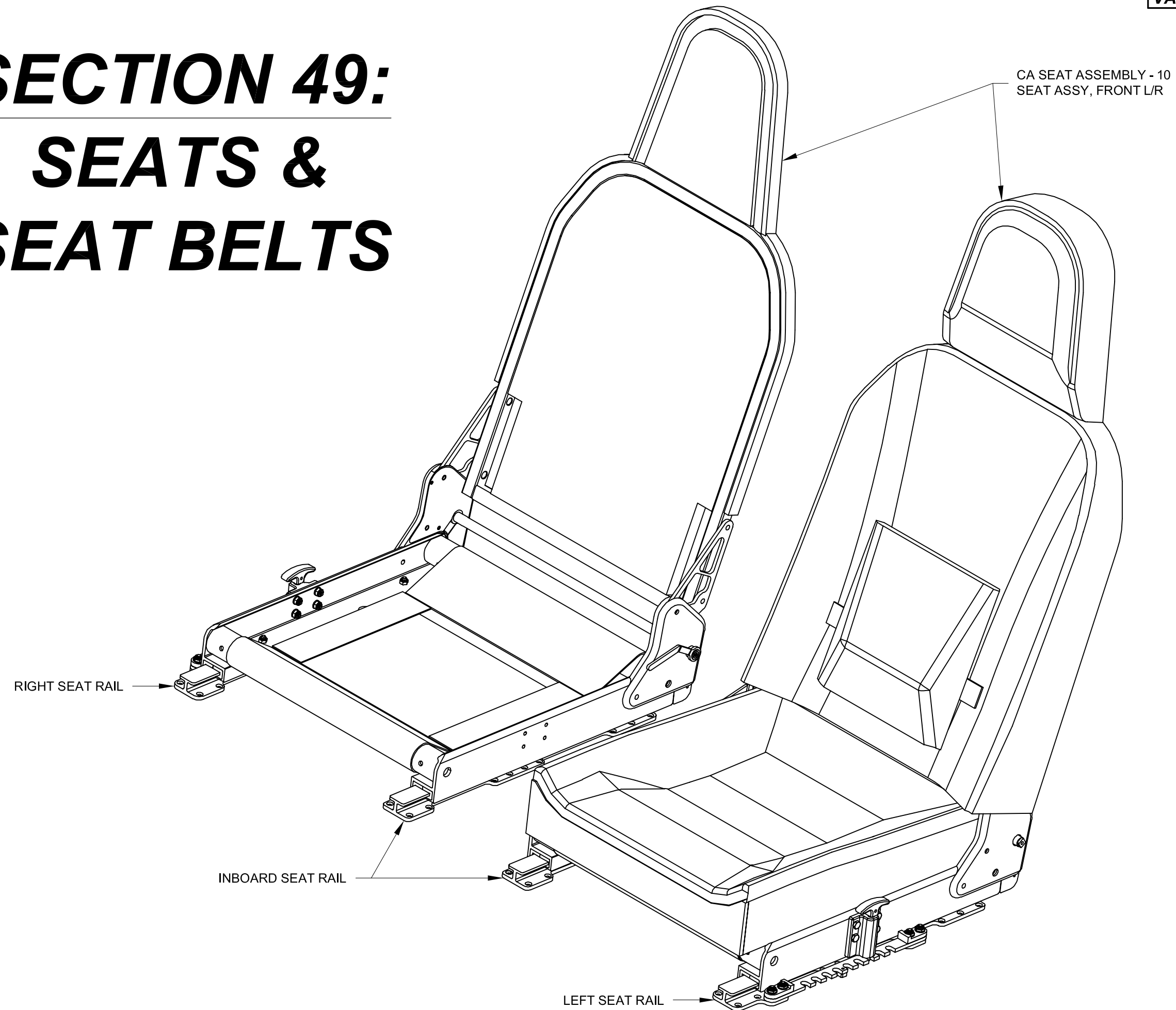




SECTION 49: SEATS & SEAT BELTS



NOTE: All shoulder harness and seat belt end fittings require bushings. The outside diameter of the bushing depends on the type of shoulder harness or seat belt used; one type uses end fittings with a 5/16" bolt hole, another type uses end fittings with a 3/8" bolt hole. AT6-058X3/8 and AT6-058X5/16 tubing is provided in the kit from which bushings can be made that will fit either hole diameter. The inside diameter is drilled to the size of the bolt. Cut the bushings long enough to span the gap between the structure to which the end fittings are attached (the structure will clamp on the bushings enabling the end fittings to rotate freely).

Step 1: Attach one end of the F-6114A Shoulder Harness Cables to the F-636 Shoulder Harness Anchors using the hardware called-out in Figure 1. No bushings are needed at this end.

Run the shoulder harness cables through the notches in the F-1006E Upper Baggage Bulkhead Corrugation, and attach the ends to the rear seat shoulder harnesses.

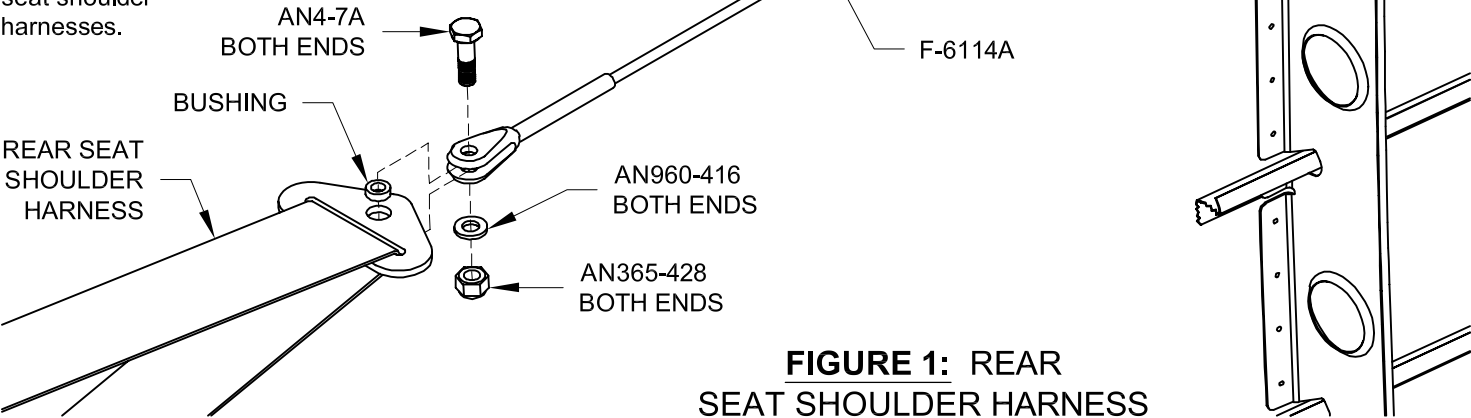


FIGURE 1: REAR SEAT SHOULDER HARNESS

Step 2: Attach the end fitting of the rear seat belts to the F-1017C Seat Belt Attach Lugs using the hardware shown in Figure 2.

Step 3: Attach the end fitting of the crotch straps to the F-1005D Crotch Strap Lugs using the hardware shown in Figure 2.

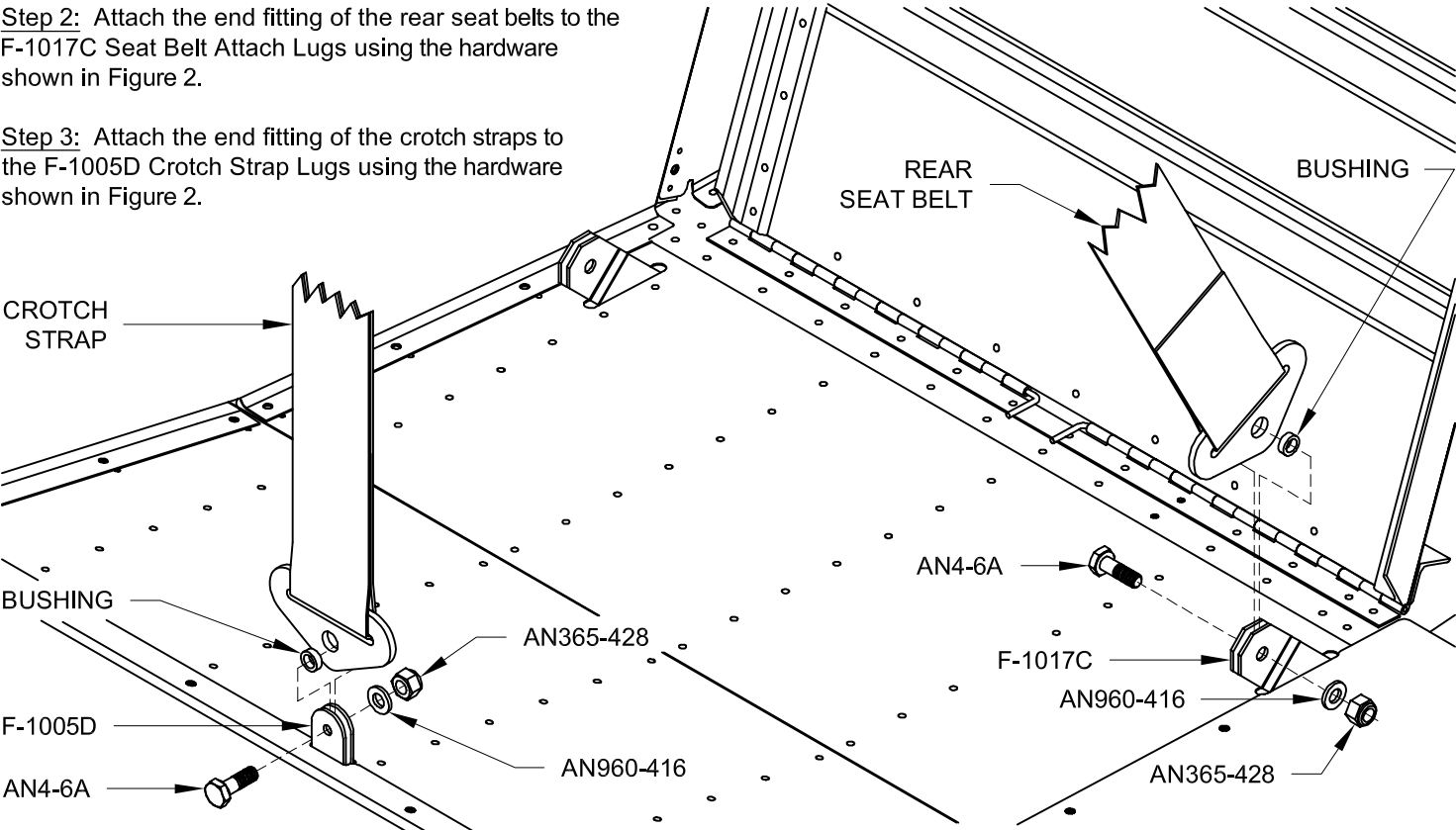


FIGURE 2: REAR SEAT BELTS AND CROTCH STRAP

Step 4: Attach the end fitting of the front seat belts to the F-814HPP Fwd Seat Belt Anchors using the hardware shown in Figure 3.

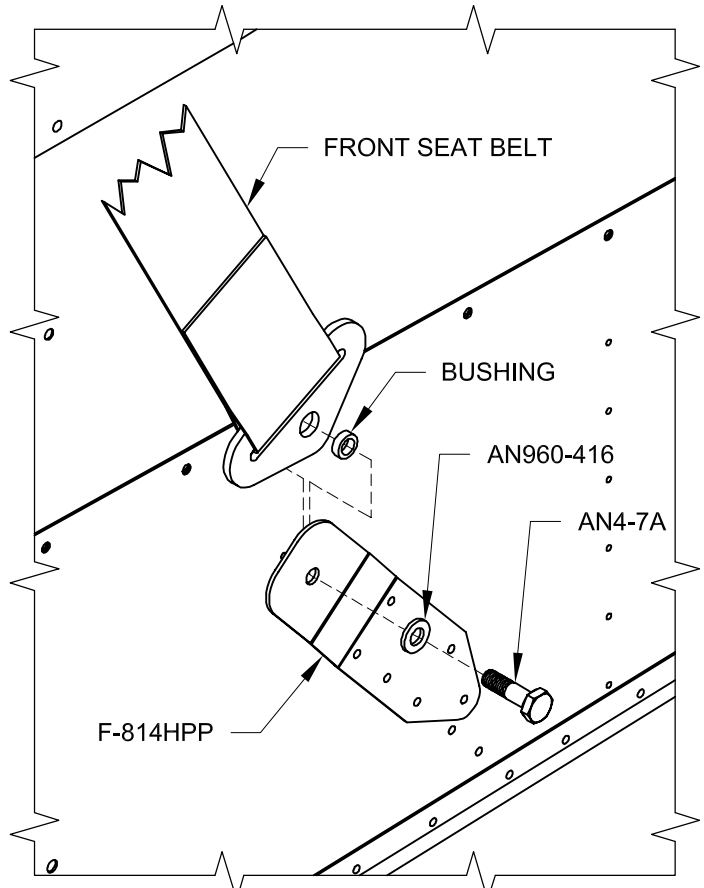


FIGURE 3: FRONT SEAT BELTS

Step 5: Drill a 5/16" hole in the center of both shoulder harness attachment hard points which are molded into the C-1001 Cabin Cover. See Figure 4. These hard points are a solid lay-up of glass (they contain no core material), and appear lighter than the surrounding area. A light inside the cabin cover will make the hard points more visible.

Machine countersink these holes in the cabin cover for the head of an NAS517-5-9 flush head screw.

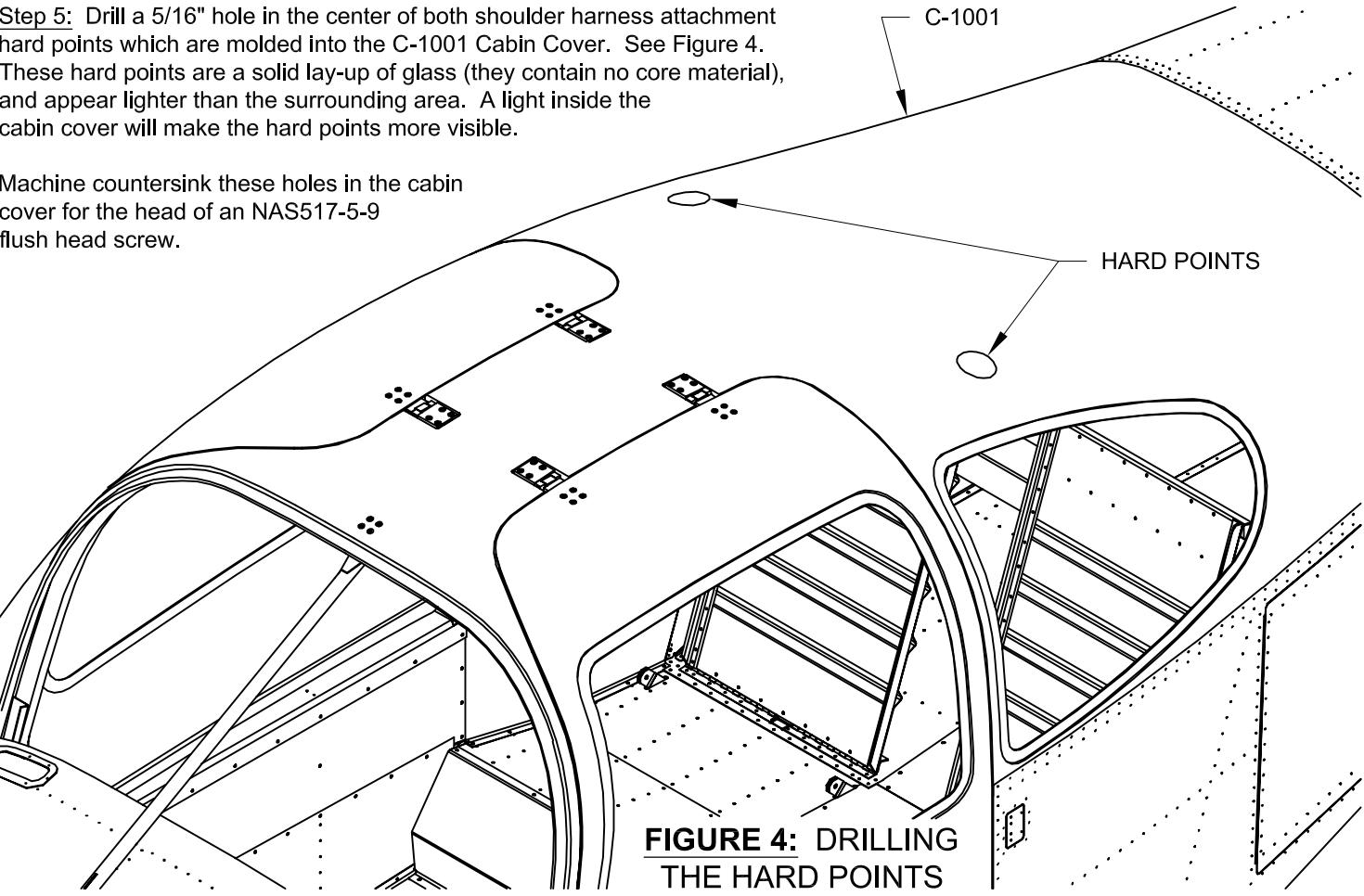
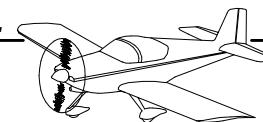


FIGURE 4: DRILLING THE HARD POINTS



Step 1: Attach the end fitting of both front seat shoulder harnesses to the C-1001 Cabin Cover using the holes drilled on the previous page and the hardware shown in Figure 1. In this case, the end fitting is not attached between structure and will not rotate freely (the bushings only need to be as thick as the end fittings). Direct the shoulder harnesses forward before torquing the nut.

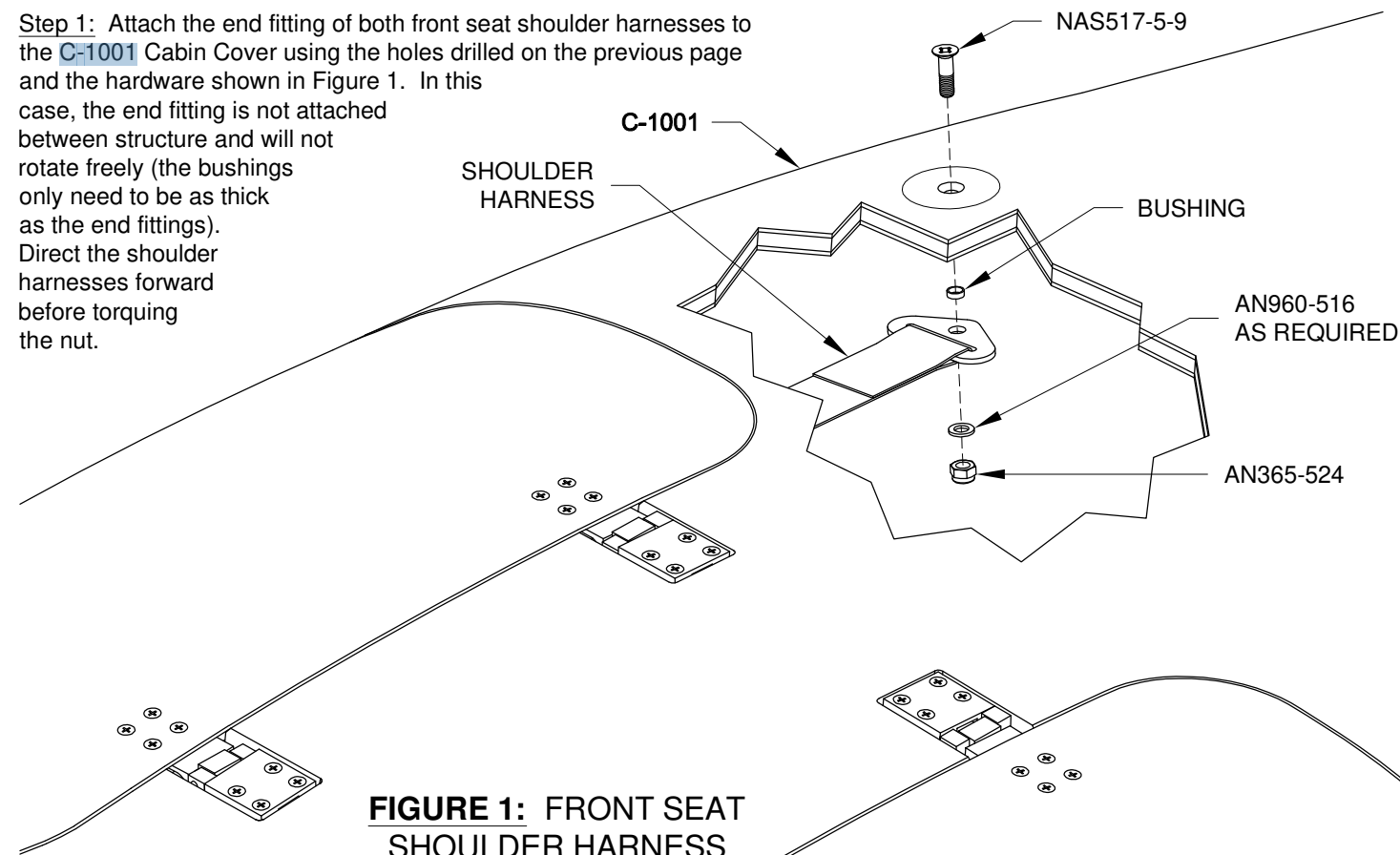


FIGURE 1: FRONT SEAT SHOULDER HARNESS

NOTE: The remaining steps describe the recommended installation of the Seat Rails and the Front Seat Assemblies. The installation locates the seat adjustment T-handles (see Figure 3) on the outboard side of the Front Seat Assemblies, and locates the seat-back adjustment levers on the inboard side. The seat adjustment T-handles and the seat-back adjustment levers can be attached to either the inboard or outboard sides of the Front Seat Assemblies. Be aware, however, that the placement of the Seat Rails is determined by which side the seat adjustment T-handles are attached.

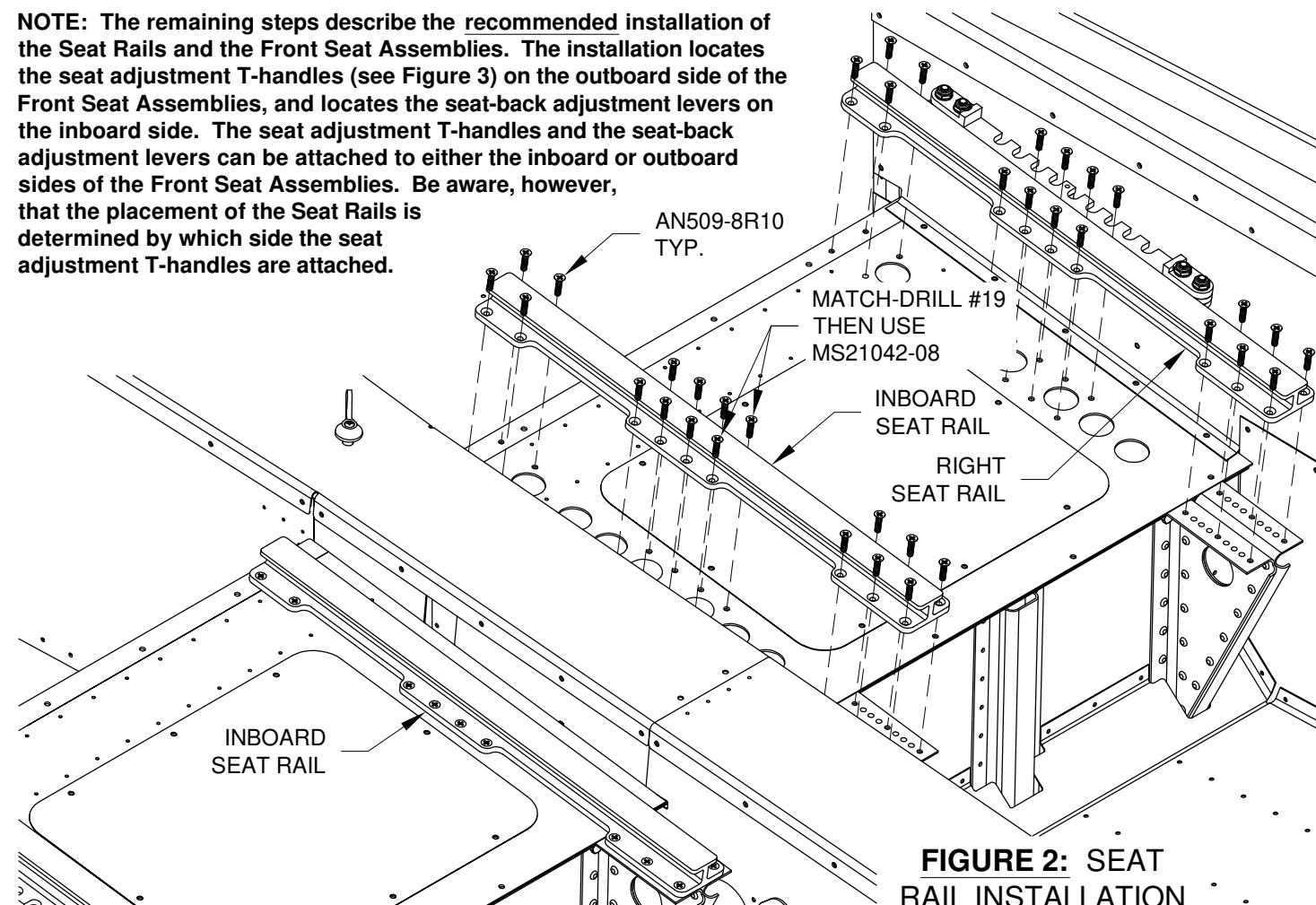


FIGURE 2: SEAT RAIL INSTALLATION

Step 2: Match-Drill #19 the F-01057-L & F-1 Mid Seat Rail Supports from the two indicated holes in the F-01067A-1 Seat Floors. See Figure 2. Clean out any drill chips/shavings.

Step 3: Install the Seat Rails using the hardware called-out in Figure 2.

Step 4: Select the Front Seat Assembly which has the seat-back adjustment lever on the right side (or move the lever from the left side to the right) as shown in Figure 3. Remove the seat adjustment T-handle, then slide the Front Seat Assembly onto the Left Seat Rail and the corresponding Inboard Seat Rail (the F-1016E-L and F-1 Flap Torque Tube Covers will have to be removed).

Step 5: Secure the seat adjustment T-handle to the left side of the Front Seat Assembly as shown in Figure 3.

Step 6: Repeat Steps 3 and 4 for the Front Seat Assembly on the right side of the aircraft. The right side is the mirror of the left.

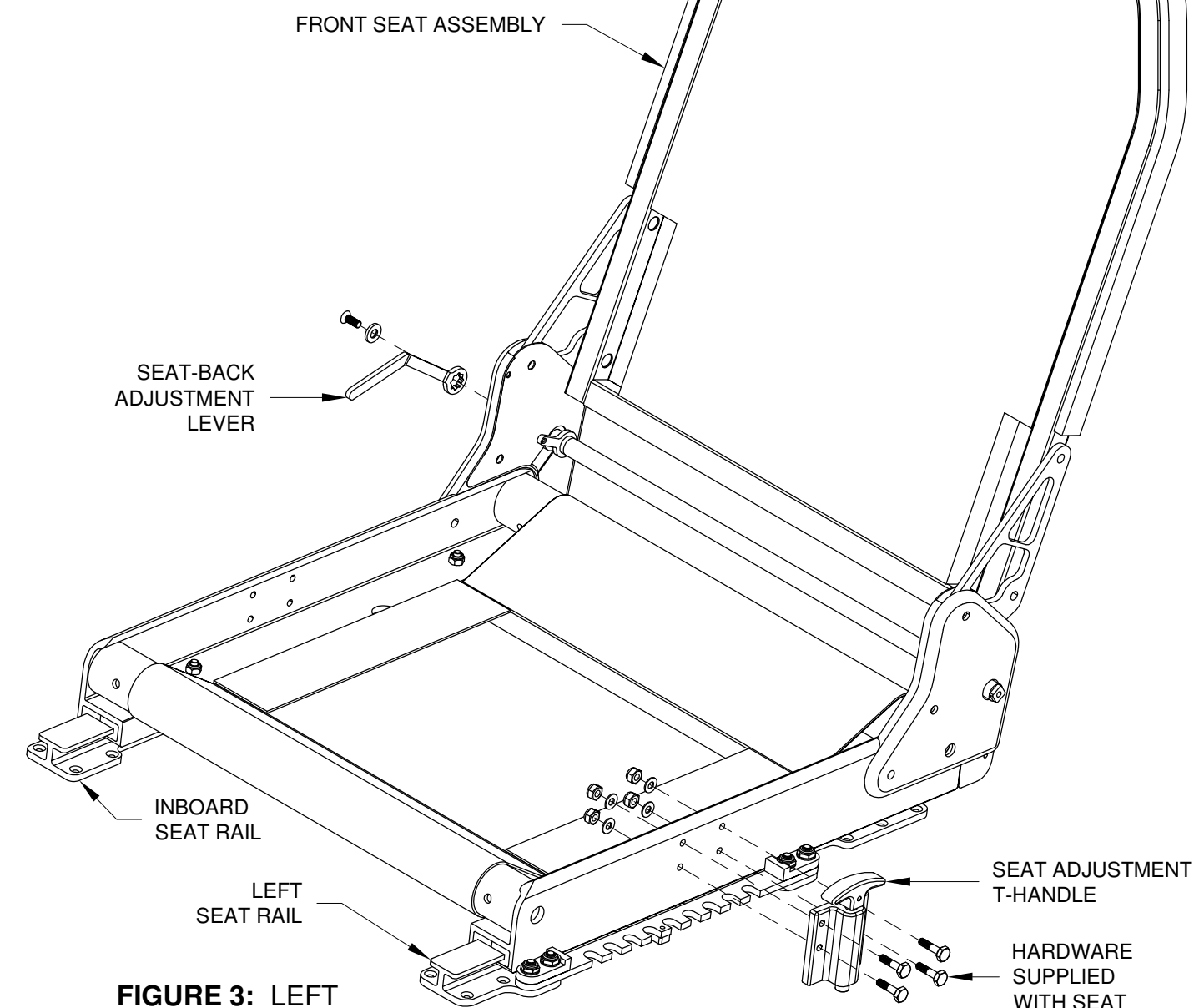


FIGURE 3: LEFT SEAT INSTALLATION



THIS PAGE INTENTIONALLY LEFT BLANK