

PROCEDURE 4.130**INSTALLATION OF SEAT BELT / SHOULDER HARNESS HARDPOINTS**

In this procedure...

You will install the hardpoints for the pilots, copilots and passenger's seatbelts and shoulder harness.

SUPPLIED MATERIAL:

<u>Part No.</u>	<u>Qty</u>	<u>Description</u>
AN4-15	6	Bolt
112-61-017	6	Hardpoint G10 2 x 2
112-61-015	2	Bracket, Seatbelt
112-61-016	2	Bracket, Aft Seatbelt

Step 1. Locate the position for the pilot and copilot shoulder harness.

To locate the position for the pilot and copilot shoulder harness hardpoints, place a straightedge along the top of the rear window and mark a line between the rear window and the cabin door. Measure down from this line 3" and make another line parallel to the first line. Measure forward from the rear window 2.5 inches and make a vertical mark across the lower line. This is the location for the shoulder harness bolt. Mark out a 2" square centered on this mark and cut out the inner skin and foam from this area.

Repeat this procedure for the other side.

Step 2. Install the attach bolts.

Cut out a 2" square from 40 lbs foam and find the center by drawing a line across the block from corner to corner. Drill a 1/4" hole in the center of the block. Enlarge the hole on one side of the block so that the head of an AN4 bolt fits into the block flush. Insert an AN4-15 bolt through the hole and press the head so that it is flush with the block. Use a milled fiber squash and place the block into the cut out hole in the fuselage. Use caution not to get resin on the threads of the bolt. Hold the block in place with tape until the milled fiber cures. Cut out 5 6" squares of 7781. Cut a small hole in the center and laminate 6 plies of cloth over the block.

Step 3 Locate and install the passenger shoulder harness hardpoints and outboard seat belt attach points.

To locate the passenger shoulder harness points extend a line from the top of the window aft approximately 12". Draw a parallel line 3" below this line. Find the center point between the forward edge of the baggage door and the aft edge of the window. This is the center point for the shoulder harness on the left side of the fuselage. Repeat this procedure on the right side. Draw a line aft of the top edge of the window as previously done and locate the attach point the same distance forward of bulkhead 162 as on the left side. Cut out the foam and insert the hardpoint the same as was done in Step 2. The outer seat belt hardpoint is located forward of Bulkhead 162 twenty-three inches and up from the floor 6". The hardpoint must be installed in the ½" foam on the fuselage side. All other steps are the same.