

PROCEDURE 4.040

LOCATING AND INSTALLING THE FIREWALL AND CENTER SUPPORT

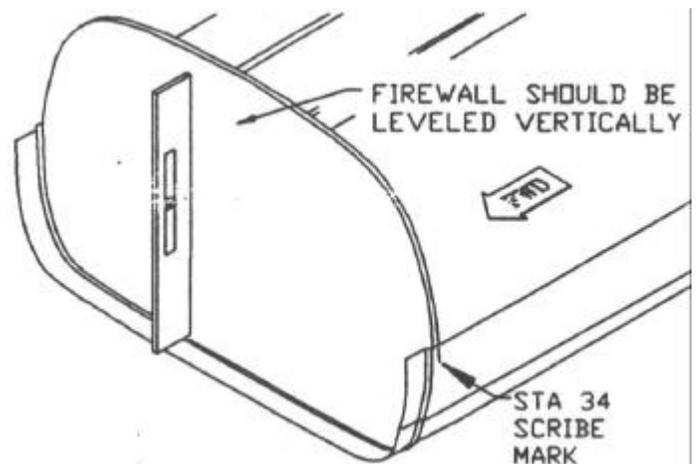
In this procedure...

You will install the firewall and the center firewall support. The center firewall support provides mounting points for the rudder pedal assemblies and the instrument panel. This support butts against the firewall. The firewall is located at Station 34 and establishes the proper position for the center support.

Part No.	Qty.	Description
112-12-001	1	Center Firewall Support
112-12-012	1	Firewall

Step 1. Firewall Installation.

The firewall (112-12-012) has been temporarily installed at the factory at Station 34, using hot glue, with the foam reinforcement side facing aft. The firewall must be vertical, check to make sure the firewall has not moved.



Step 2. Position the center firewall support in place at firewall.

Measure the outside faces of the forward opening of the center firewall support. Divide this measurement by two. Mark reference lines on either side of the fuselage centerline at Sta. 34 using the result. The aft center of the Support can be found by extending straight edges along the sides of the Support. Measure the distance between the two straight edges, and mark a point at half the distance on the aft side of the center firewall support.

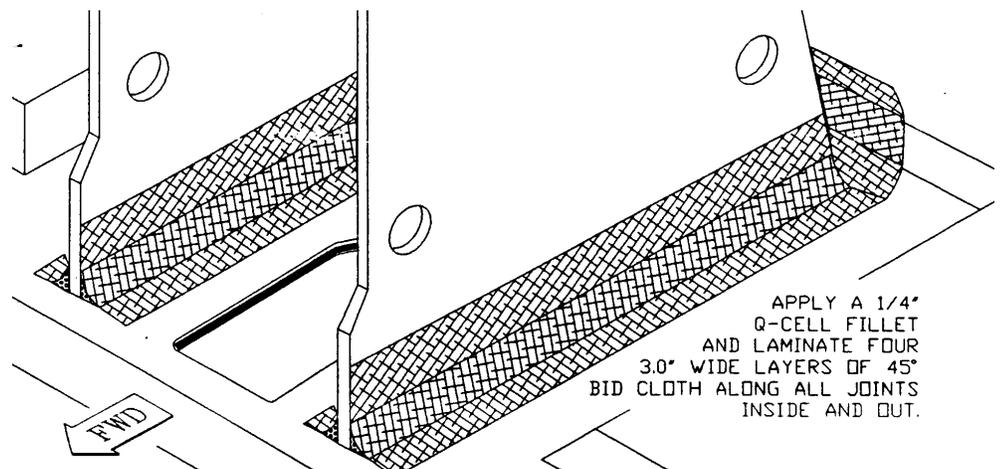
Position the Center Firewall Support against the firewall, lining up the Support on the forward reference lines. The aft center mark should be aligned with the lower fuselage CL. Fit the Center Firewall Support very carefully at all points of contact with the firewall and fuselage floor. Check the top surface of the Firewall Support to insure it is level. When satisfied, hot glue the part in place along the lower, fuselage joints. Do not *hot glue the Center Firewall Support to the firewall*.

Step 3. Mark Firewall Location, then Remove Firewall.

Mark the location of the firewall support on the aft side of the firewall also mark the location of the firewall on the inside of the lower fuselage with a pencil. The lines will help you re-install the firewall later. Remove the firewall.

Step 4. Apply fillet and bid cloth along nose gear support joints.

Apply a 1/4" Q-cell fillet to all Center Firewall Support joints along the fuselage floor, inside and outside. Laminate four 3.0" wide layers of 45 ° bid cloth along all the joints, inside and out, lapping 1.5" on the joint faces.



Step 7 Reinstall the Firewall.

Reposition the firewall into the lower fuselage. Use the lines drawn in an earlier step to insure proper placement. Hot glue in place. Working within the fuselage and aft of the firewall, Q-cell fillet the joints between the firewall and the fuselage walls and floor, and inside and out of the center firewall support. Avoid area within 2" of the top EOP where the upper fuselage joggles fits. Laminate all joints with four plies of bid cloth, overlapping each surface by 1.5", including the joints inside the center firewall support. **Do not laminate the forward side of the firewall at this time.**