



NOTE: The intent of this section is to install all of the wires that will eventually hook up to components supplied in the Avionics Kit or Optional kits such as Lighting or Autopilot. Even if not installing optional systems route the wires for them so that in the future these systems can easily be added.

NOTE: When routing wires in this section between the region over the rudder pedals and the snap bushings in the F-1202B Panel Base check that the wires will easily fit through the notch in the forward edge of the F-1230 Tunnel Cover.

Note: If installing a Garmin GTX 328 (Euro / mode S transponder customers) route wires through the forward hole in the F-1202B Panel Base *only!*

Step 1: Insert the modified rubber grommet (from the previous page) into the F-1201A Firewall Upper penetration location.

Step 2: Cut a 36 inch length of DUCT NT 5/8 to make the F-1204Y Wire Run Conduit. Cut a 7/16 diameter hole in the wire run conduit for the wires coming from the top center of the F-1204 Center Section Assembly (see Figure 1). To help pull wires through later, add one string going from the hole to the left end of the conduit, one from the hole to the right end and one going from one end to the other. Leave enough excess string that when the conduit is installed the string will hang down below the bottom of the airplane. When pulling a wire with a string add a new string for future use.

Step 3: Using the clamps and hardware called out in the detail view in the right side of Figure 1 install the F-1204Y Wire Run Conduit. Center the wire run conduit about the centerline of the aircraft with the hole cut in Step 2 over the snap bushing in the F-1204 Center Section Assembly.

NOTE: Look at Figure 1 to determine the type of fuel flow transducer supplied in your kit, then complete the appropriate Step 4.

Step 4 (FT-60): Remove the forward most bolt holding the FT-60 Fuel Flow Transducer. Final-Drill 1/4 the cushioned clamp called out in Figure 1 then slide it over the bolt and reinstall the bolt.

Step 4 (Flo-Scan): Remove the inboard most bolt. Make the VA-188B Standoff as shown in Figure 2. Install the standoff and a cushioned clamp on the FLO-SCAN Fuel Flow Transducer using the hardware called out in Figure 1.

NOTE: When routing cables and wires some snap bushings may need to be removed and the wire or cable passed through the hole. Slit the snap bushing, place it over the cable and snap the bushing back into the hole.

Step 5: Route the straight BNC fitting on the WH-RV12-SL-ANT and WH-RV12-TX-ANT down through one of the snap bushings in the F-1202B Panel Base, over the rudder pedals, and through the fuel flow cushioned clamp. Continue to route the WH-RV12-SL-ANT through the snap bushings in the F-1202F and F-1203A Bulkheads. Lay the cable through the wire notches in all three F-1276C System Blocks. Route the cable through the snap bushing in the front of the F-1204 Center Section Assembly.

Step 6: Route the ES RS 279-374 Phone Cable through the right end of the F-1204Y Wire Run Conduit (Use one of the strings installed in Step 2) then down through the wire run hole in the top of the F-1204 Center Section Assembly (16 inches should remain protruding from the right end of the wire run conduit). Slit then insert a snap bushing in the top of the F-1204 Center Section Assembly as called out in Figure 1. Route the cable forward through the same route used by the WH-RV12-SL-ANT. Route the cable through the snap bushing in the F-1202K-R Inst Stack Support.

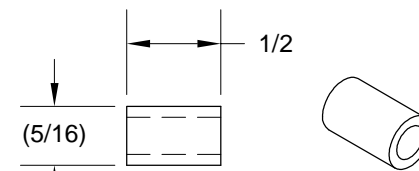


FIGURE 2: VA-188B

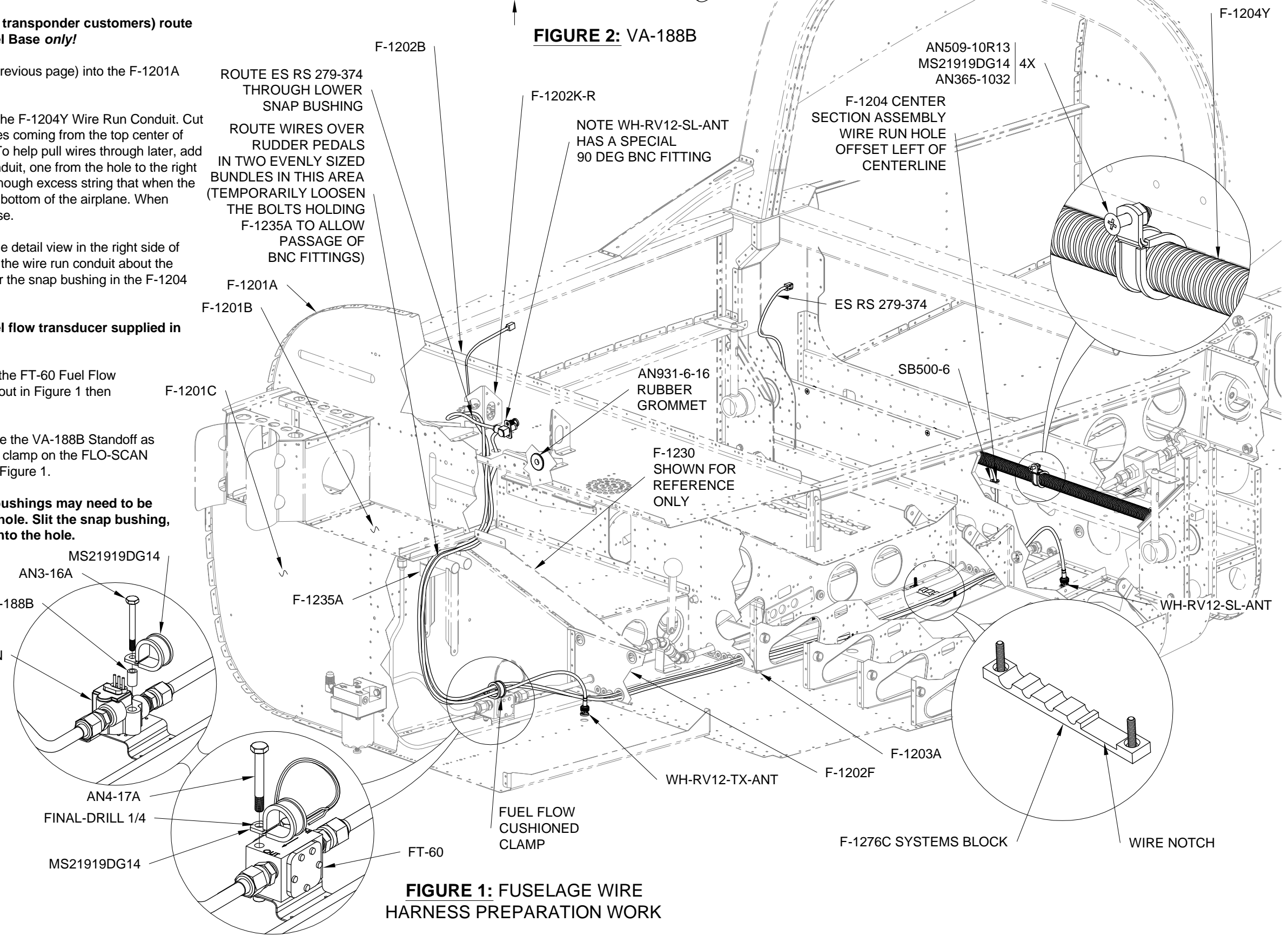


FIGURE 1: FUSELAGE WIRE HARNESS PREPARATION WORK