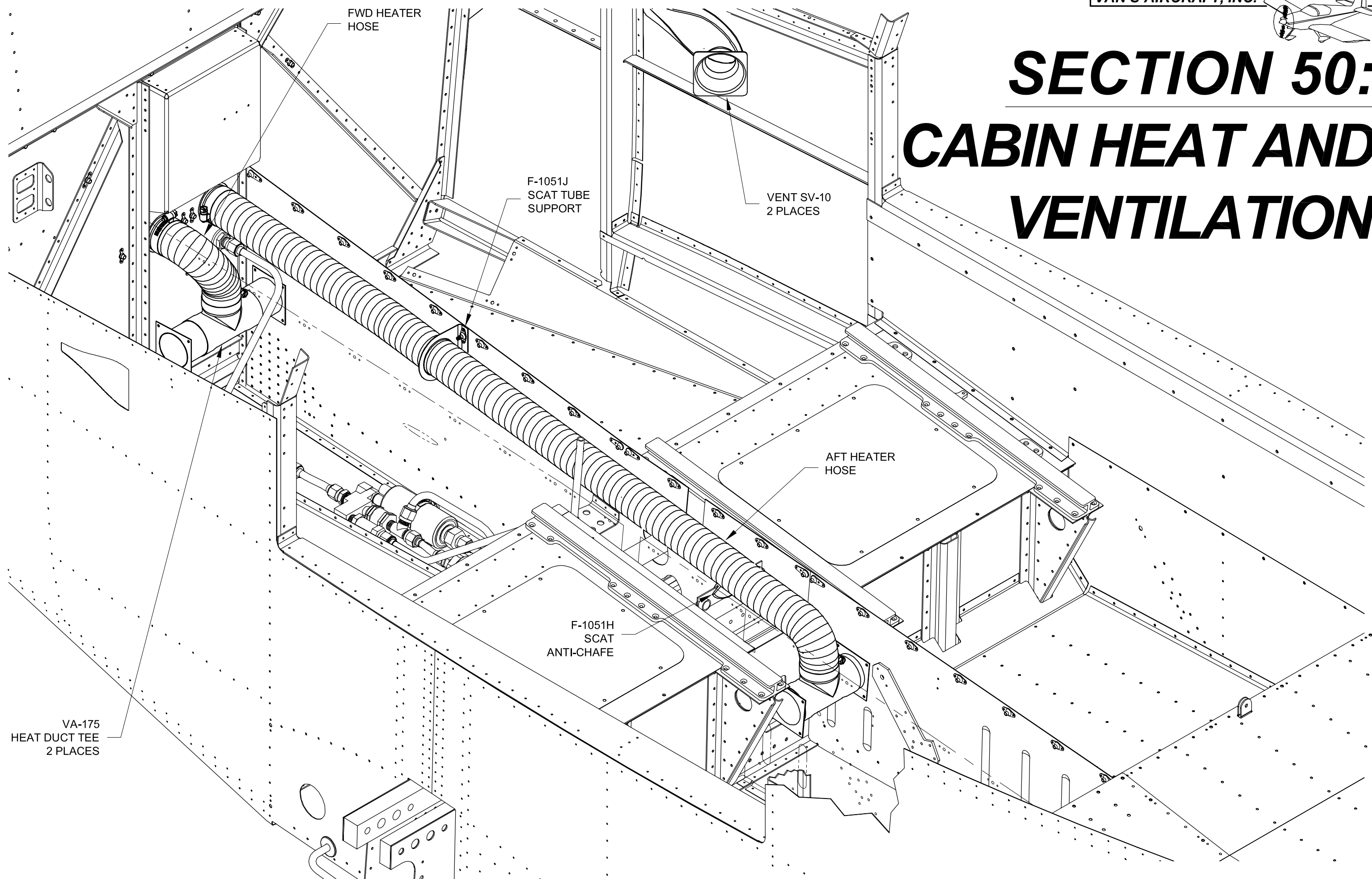


SECTION 50: CABIN HEAT AND VENTILATION



Step 1: Attach the F-1051J SCAT Tube Support to the F-1048-R Fwd Fuselage Rib using the hardware called-out in Figure 1.

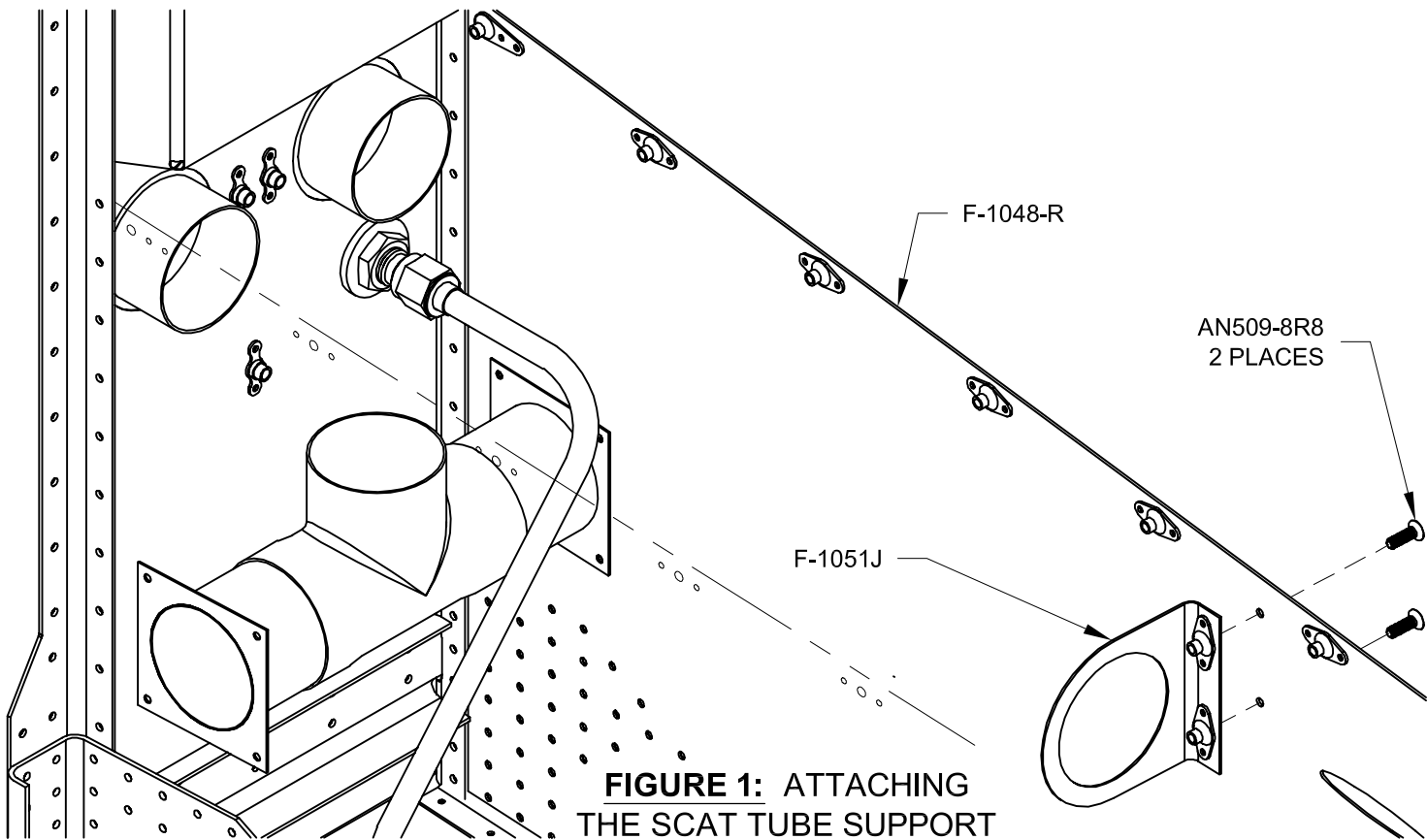


FIGURE 1: ATTACHING THE SCAT TUBE SUPPORT

Step 2: Cut a piece of Rubber Channel to make the F-1051H Scat Anti-Chafe shown in Figure 2. Remove the top flange (see the blow-up), then press the scat anti-chafe onto the F-1004A Center Section Bulkhead.

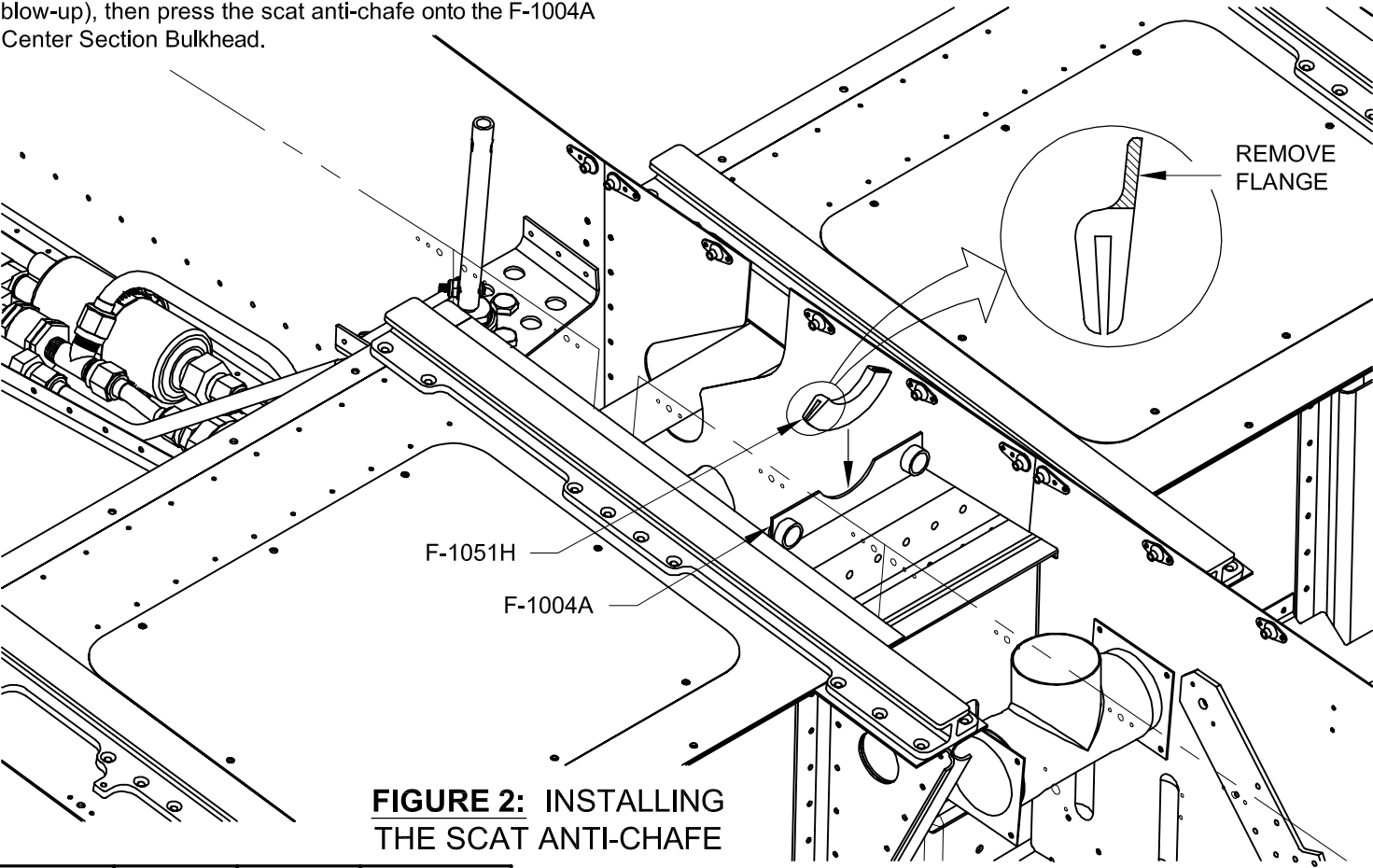


FIGURE 2: INSTALLING THE SCAT ANTI-CHAFE

Step 3: Cut a 10 inch (approximately) length of SCAT tube to use as the Forward Heater Hose. Secure the forward heater hose to the VENT TG-10-L Cabin Heat Selector Box and the forward VA-175 Heat Duct Tee using the hose clamps called-out in Figure 3.

Step 4: Cut a 54 inch (approximately) length of SCAT tube to use as the Aft Heater Hose. Thread the aft heater hose through the F-1051J SCAT Tube Support, then secure it to the VENT TG-10-R Cabin Heat Selector Box using the hose clamp called-out in Figure 3.

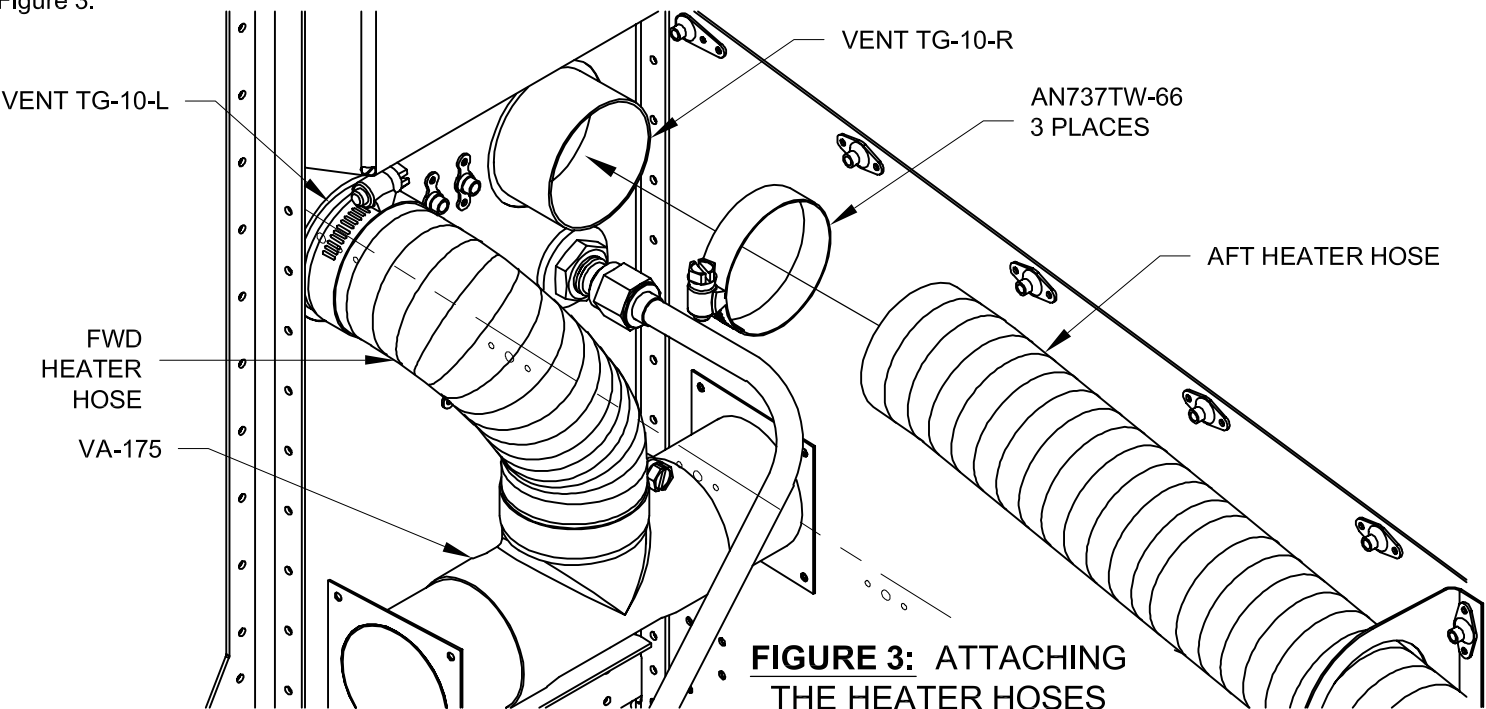


FIGURE 3: ATTACHING THE HEATER HOSES

Step 5: Direct the Aft Heater Hose over the F-1048C-1 Fuel Valve Bracket and to the right of the VA-178A Fuel Handle Shaft as shown in Figure 4. Direct the aft heater hose over the F-1051J SCAT Anti-Chafe, then secure the end to the aft VA-175 Heat Duct Tee using the hose clamp called-out in Figure 4.

Step 6: Apply high-temp RTV silicone around the Aft Heater Hose to protect it from the F-1051J SCAT Tube Support, and along the top to protect it from the F-1051A Fwd Tunnel Cover and Aft Tunnel Cover Assembly. Install the two tunnel covers as shown on Page 35-6, and the Fuel Valve Handle as shown on Page 37-7.

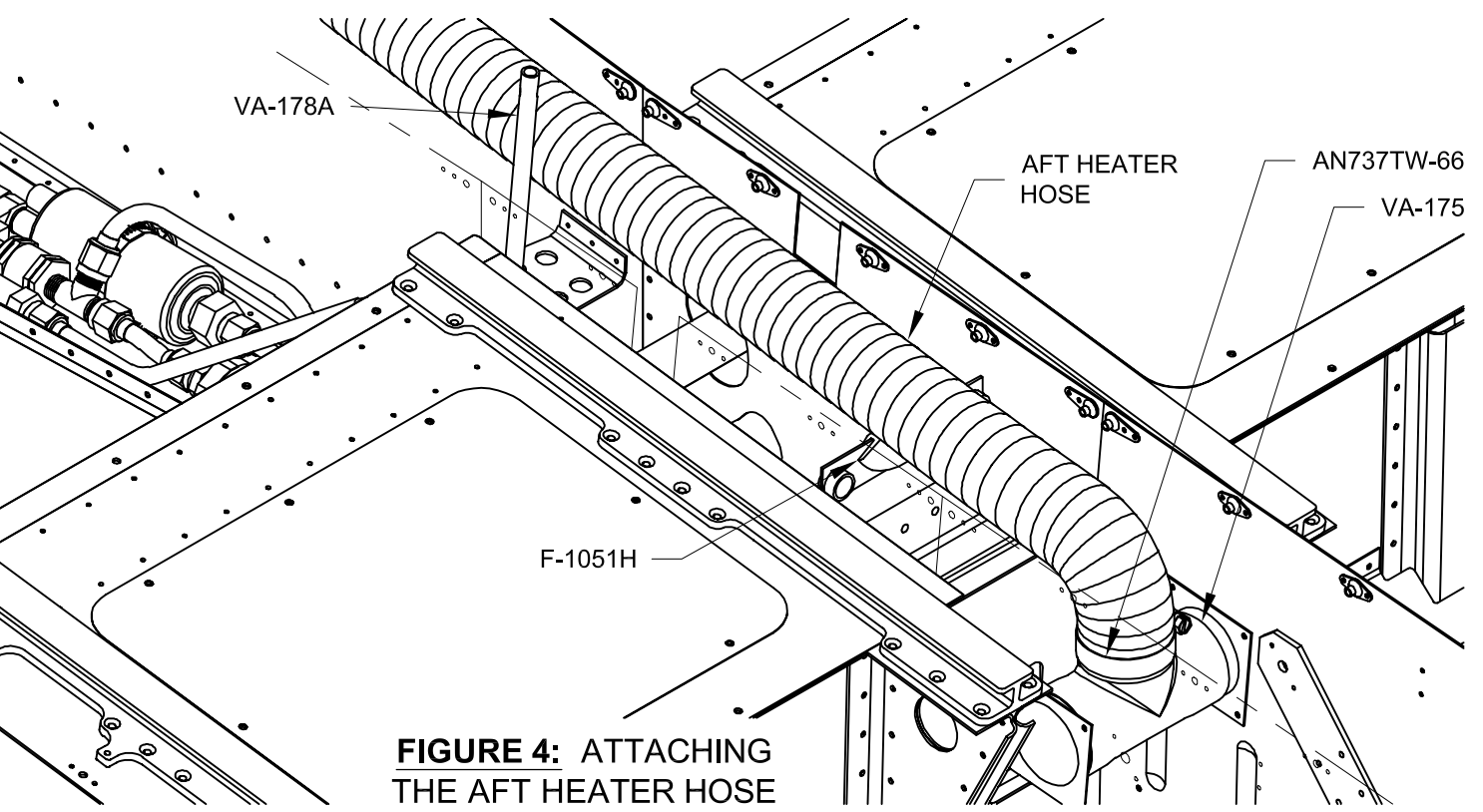


FIGURE 4: ATTACHING THE AFT HEATER HOSE



NOTE: This page describes the installation of a VENT SV-10 to the right side of the aircraft. The left installation is a mirror of the right.

Step 1: Mix and apply tank sealant to the flange around the VENT SV-10 Remote Vent. Center the vent around the NACA shaped cutout in the F-1069-R Forward Side Skin, then clamp the vent in place and let the tank sealant cure. See Figure 1.

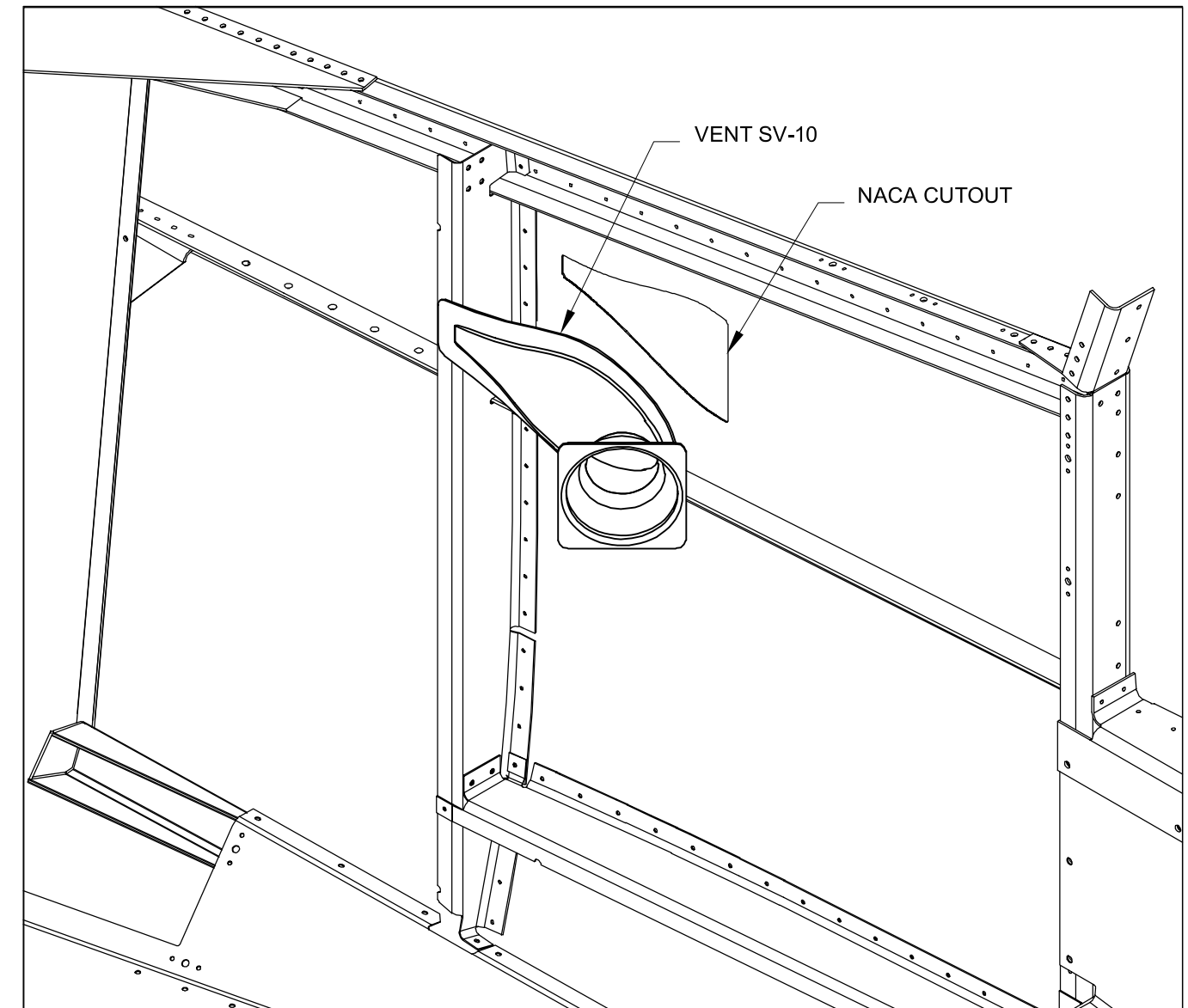


FIGURE 1: REMOTE VENT INSTALLATION

THIS PAGE INTENTIONALLY LEFT BLANK