

Step 1: Fabricate the VA-189B Hanger from crating strap per the dimensions given in Figure 1.

Step 2: Drill a #12 hole in the center of the vertical flange of the VA-189B Hanger. Use a AN3 bolt to align a K1000-3 nutplate with the #12 hole. Orient the nutplate as shown in Figure 1. Match-Drill #40 the two nutplate attach holes using the nutplate as a drill guide.

Step 3: Remove the nutplate and deburr the holes drilled in Step 2. Dimple the nutplate attach holes.

Step 4: Rivet the nutplate to the VA-189B Hanger per the callouts in Figure 1.

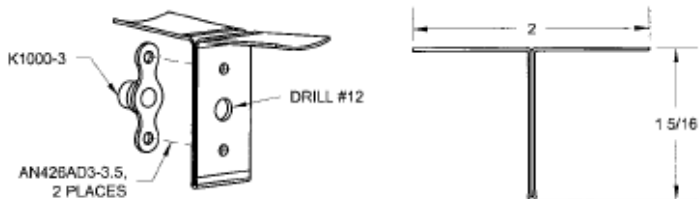


FIGURE 1: MAKING THE HANGER

Step 5: Connect the VA-189 Fuel Line IO-540 to the throttle body and the KB-090-T Tee fitting.

Step 6: Loosen the two hose clamps around the rubber sleeve that connects the cylinder #6 induction tube to the engine. Slip the horizontal legs of the VA-189B Hanger beneath the clamps then tighten the clamps back into their original positions. See Figure 2.

Step 7: Use a cushioned clamp and the hardware shown in the detail view in Figure 2 to attach the VA-189 Fuel Line IO-540 to the VA-189B Hanger.

Step 8: Attach the VA-102 Fuel Pressure Hose to the VA-128 Restrictor Fitting and the AN823-4D 45° elbow fitting on the bottom side of the VA-168 Sender Mount. See Figure 2.

Step 9: Attach the VA-138 Fuel Supply Hose to the KB-000 straight fitting on the engine driven fuel pump and the AN837-6D 45° elbow bulkhead fitting on the firewall bulkhead. See Figure 2.

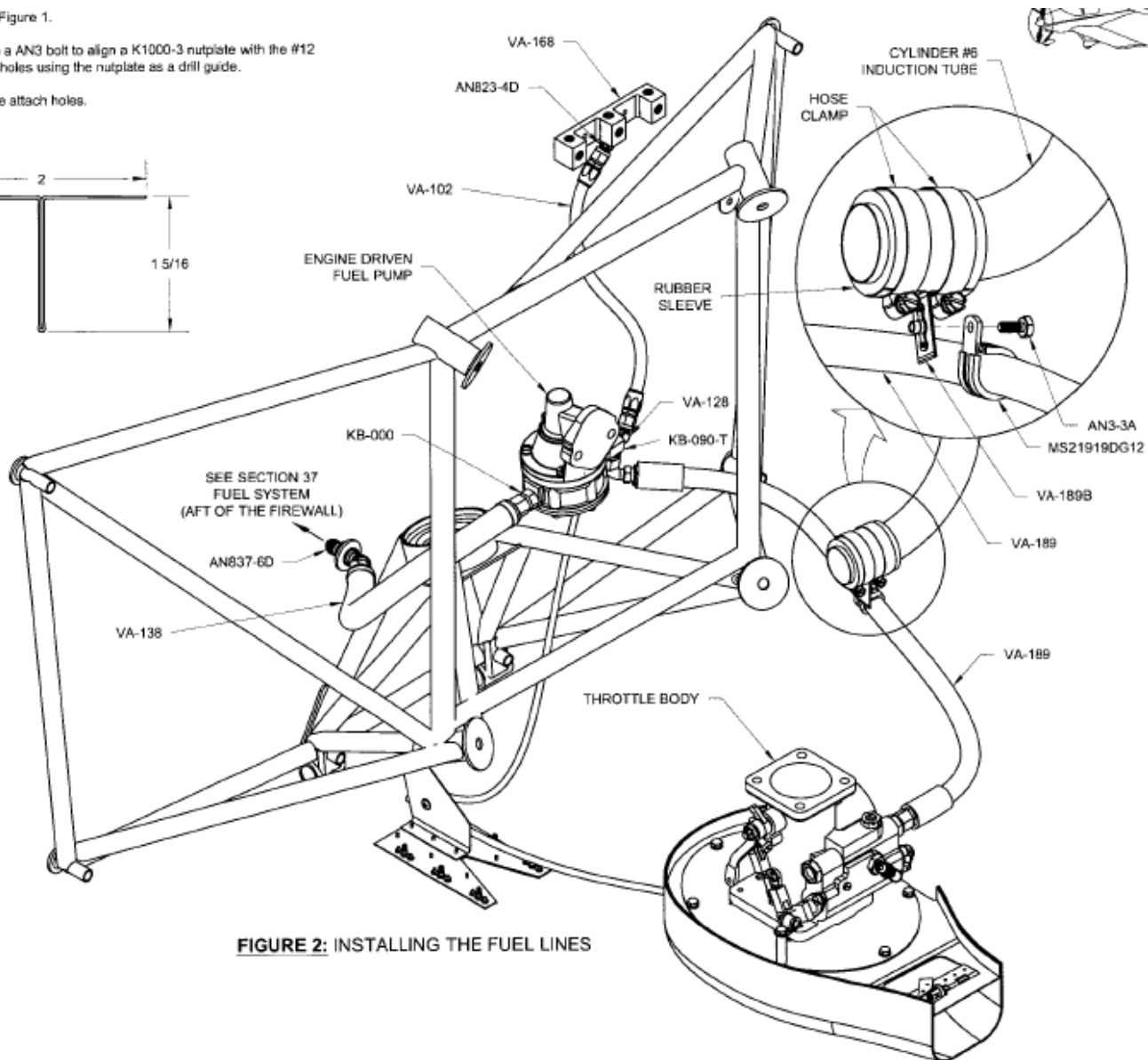


FIGURE 2: INSTALLING THE FUEL LINES