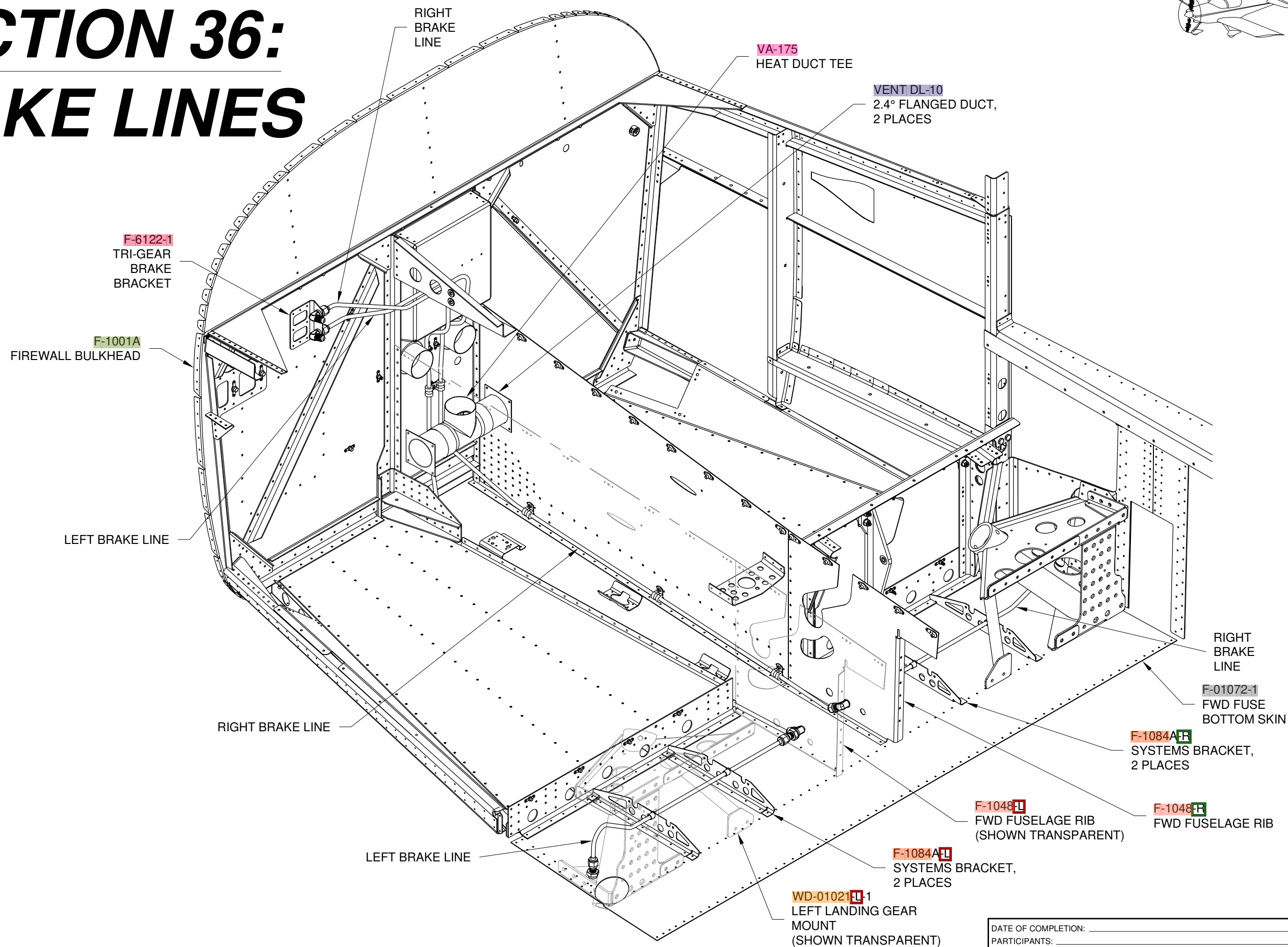
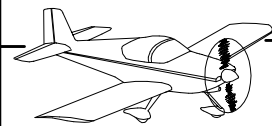




# SECTION 36: BRAKE LINES

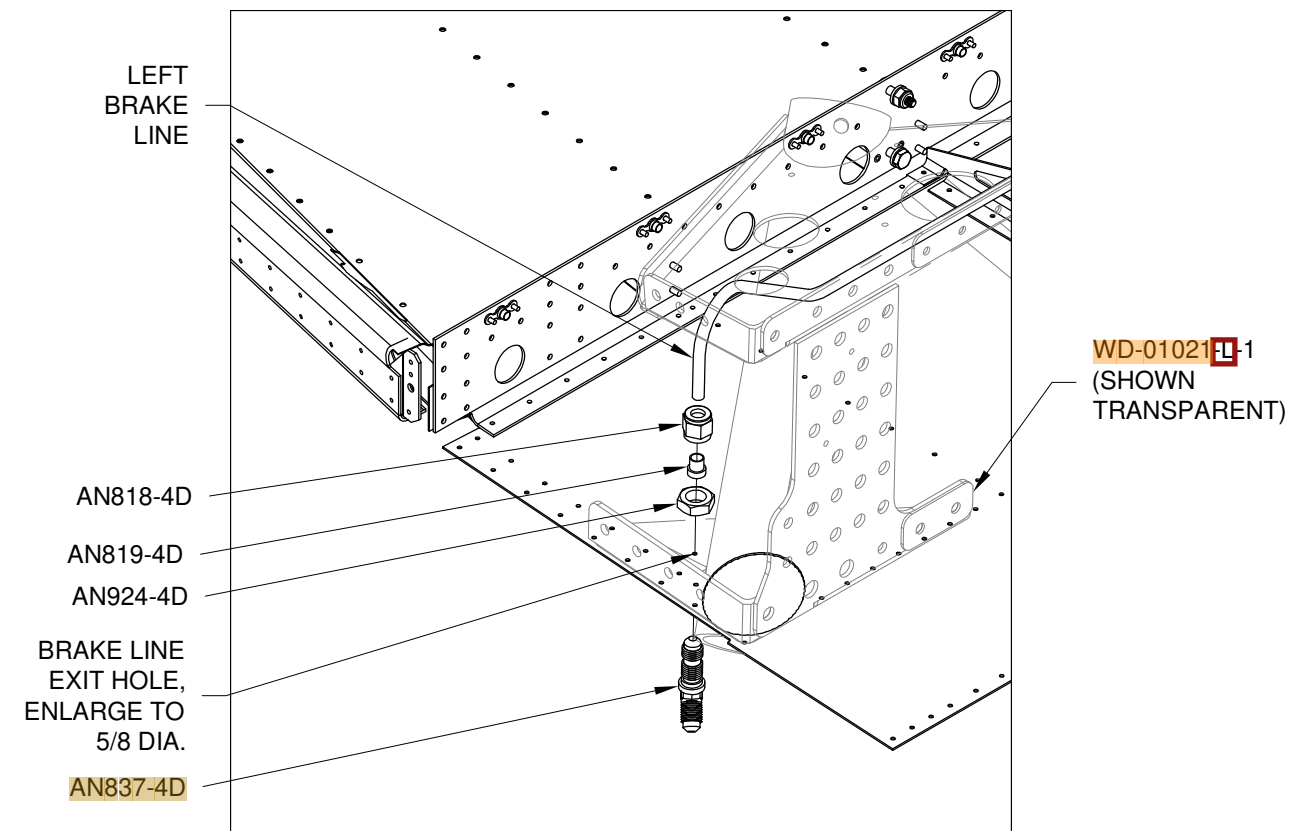




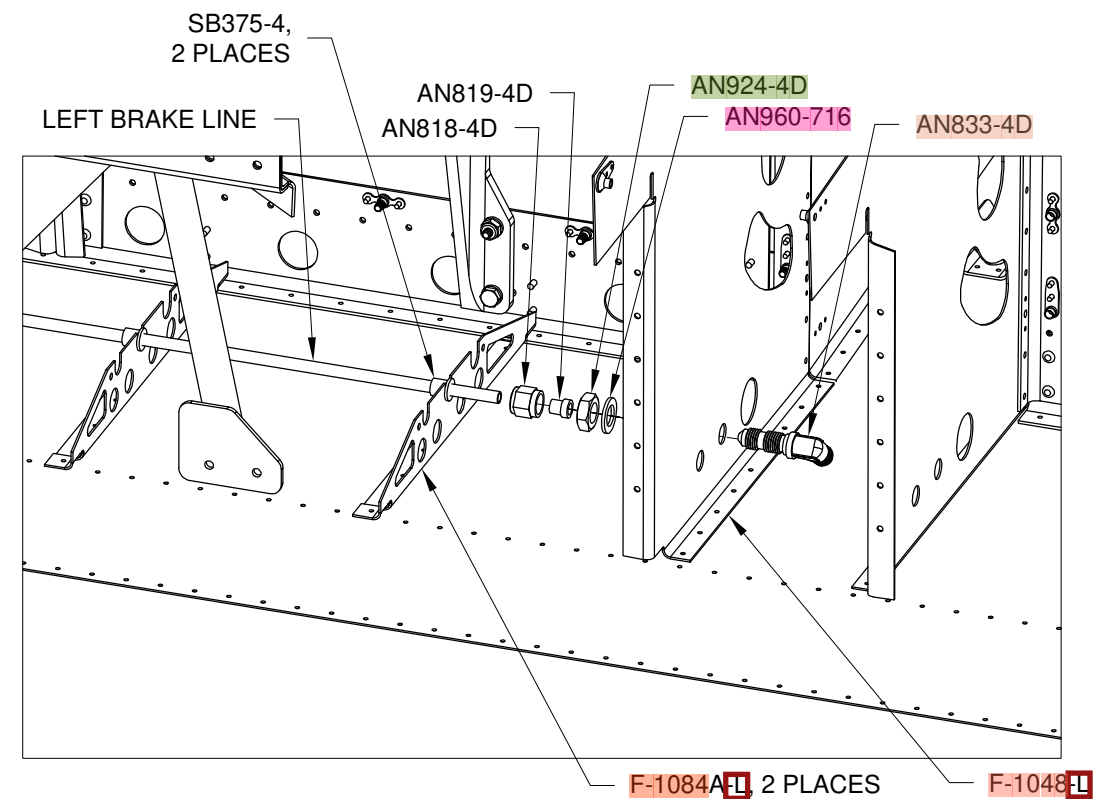
**NOTE:** This page describes the installation of the left brake line between the tunnel and the brake line exit location on the left side of the aircraft. Repeat the steps on this page for the right side of the aircraft. The right installation is a mirror of the left.

**Step 1:** Using a Unibit enlarge the brake line exit hole in the F-01072-1 Fwd Fuse Bottom Skin to 5/8 diameter as called out in Figure 1.

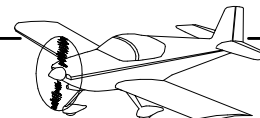
**Step 2:** Install the AN837-4D 45° Elbow and AN924-4D Nut onto the WD-01021-1 Landing Gear Mount - Left as shown in Figure 1. Using the gear leg socket as reference, orient the fitting to aim down the gear leg.



**FIGURE 1: INSTALLING THE OUTBOARD BULKHEAD FITTING**



**FIGURE 2: INSTALLING THE INBD BULKHEAD FITTING**

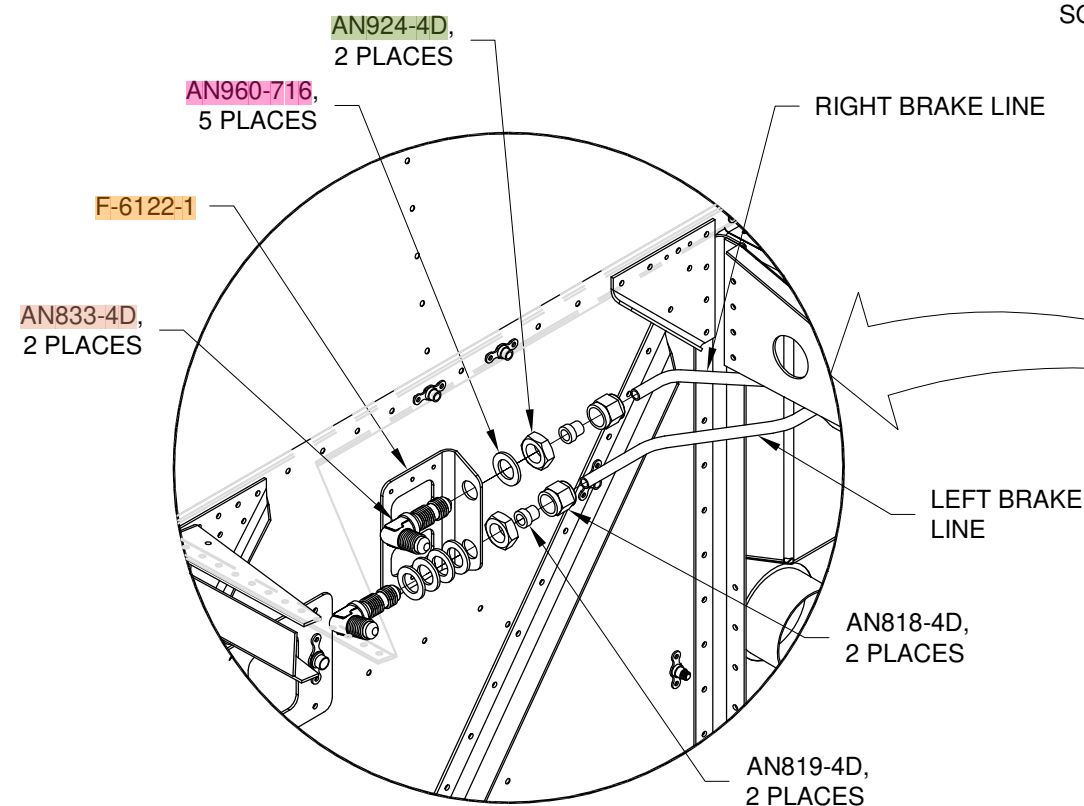


Step 1: Uncouple the VENT DL-10 2.4° Flanged Ducts and the VA-175 Heat Duct Tee from the F-1048<sup>TL</sup> and F-1048<sup>TR</sup> Fwd Fuselage Ribs and set them aside. See Page 36-1.

Step 2: Install the AN833-4D Elbows, AN924-4D Nuts and AN960-716 Washers to the F-6122-1 Tri-Gear Brake Bracket as shown in the detail view in Figure 1.

Step 3: Using ATO-032X1/4 create both the left and right brake lines as shown in Figure 1.

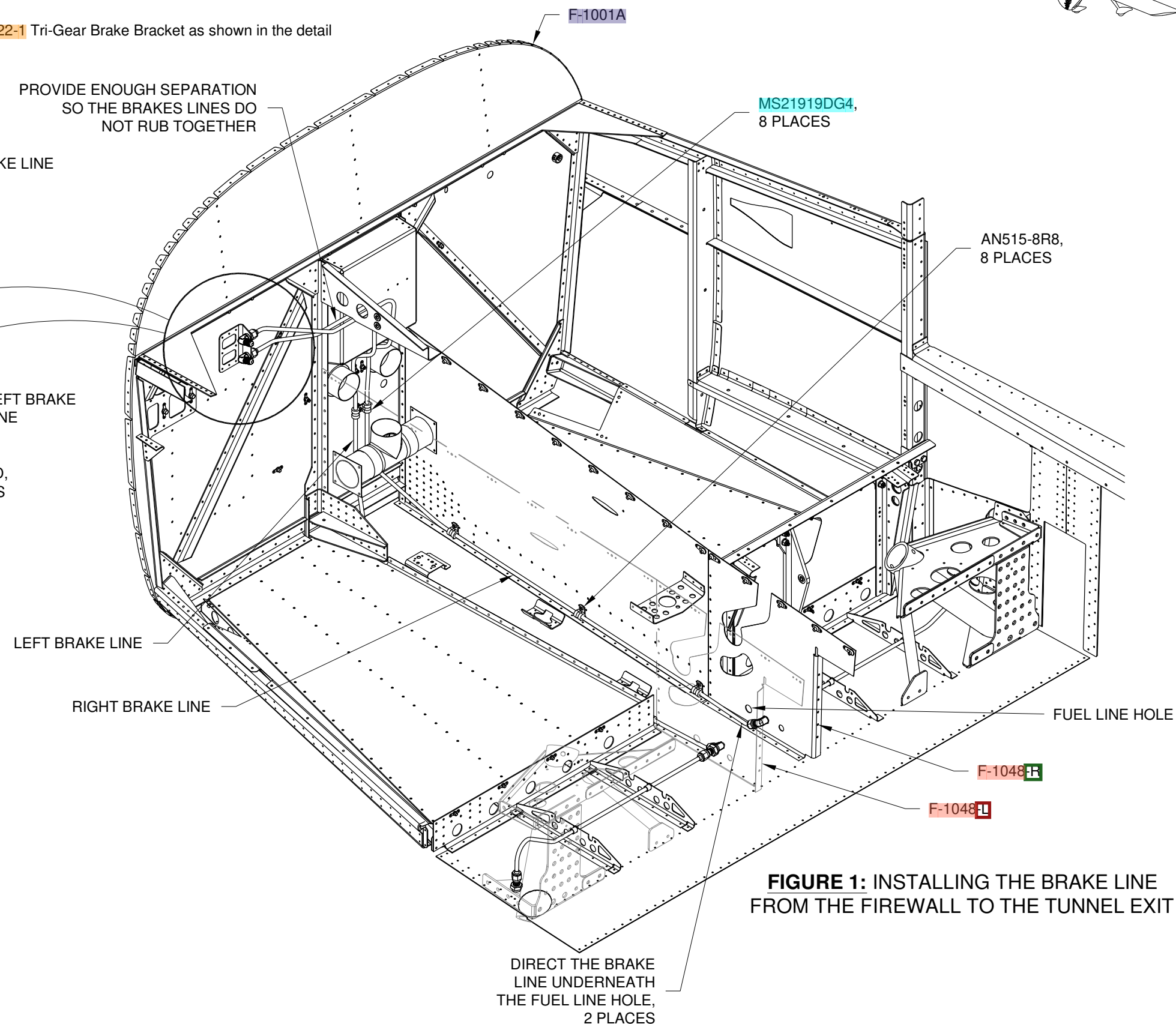
PROVIDE ENOUGH SEPARATION  
SO THE BRAKES LINES DO  
NOT RUB TOGETHER



Step 4: Slide four MS21919DG4 Cushion Clamps onto each brake line. Slide a AN818-4D Nut and the a AN819-4D Sleeve onto each end of both brake lines. Orient the hardware as shown in Figure 1.

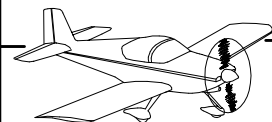
Step 5: Double check that Step 4 has been completed correctly, then flare both ends of each tube (see Section 5P).

Step 6: Attach the brake lines to the fittings at the aft end of the F-1048 Fwd Fuselage Ribs and the fittings on the F-6122-1 Tri-Gear Brake Bracket. Screw the cushion clamps to the nutplates using the hardware shown in Figure 1.



**FIGURE 1: INSTALLING THE BRAKE LINE  
FROM THE FIREWALL TO THE TUNNEL EXIT**





Step 1: Insert the VENT DL-10 2.4° Flanged Ducts into the ends of the VA-175 Heat Duct Tee as shown in the detail view in Figure 1. Cleco this assembly to the F-1048 and Fwd Fuselage Ribs as shown in Figure 1.

Step 2: Rivet the VENT DL-10 2.4° Flanged Ducts to the F-1048 and Fwd Fuselage Ribs per the callouts in Figure 1.

CS4-4,  
8 PLACES

VENT DL-10,  
2 PLACES

VA-175

F-1048

F-1048  
(SHOWN TRANSPARENT)

FIGURE 1: INSTALLING THE FORWARD HEAT DUCT TEE