

Step 1: There are 1/8 inch holes in both sides of the WD-1209 Brake Pedals.

Match-Drill #30 the hole in one side of both brake pedals into the underlying WD-1211-L & -R Brake Pedal Torque Tubes. Cleco, then match-drill the hole in the other side.

Step 2: Drill #12 all the way through the holes in both sides of the WD-1209 Brake Pedals and WD-1211-L & -R Brake Pedal Torque Tubes, then final-drill 1/4 all the way through.

Step 3: Remove the WD-1209 Brake Pedals and WD-1211-L & -R Brake Pedal Torque Tubes. Mark the parts to be reinstalled in the same locations.

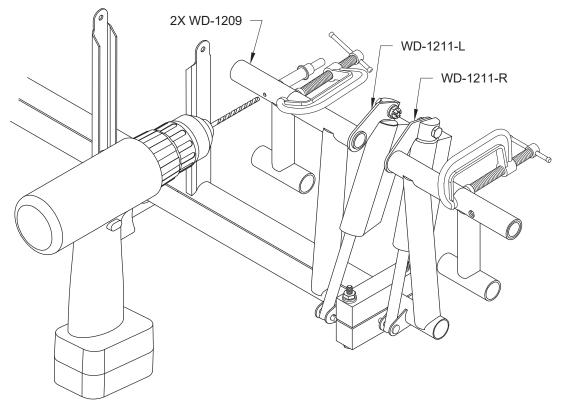
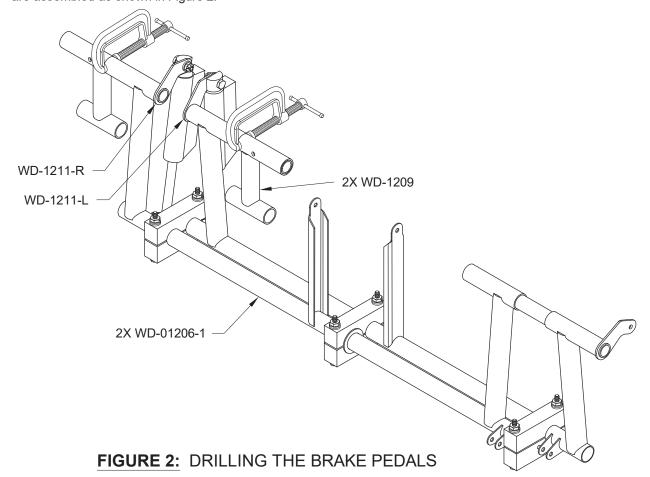
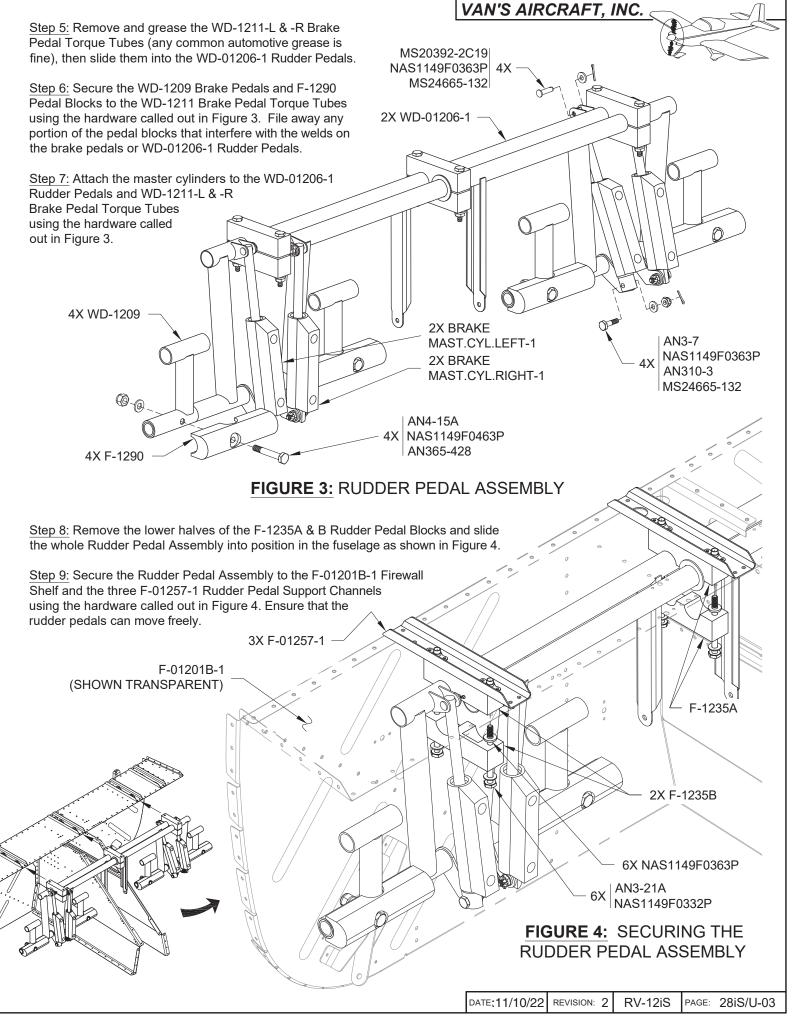


FIGURE 1: DRILLING THE BRAKE PEDALS

<u>Step 4:</u> Repeat the same process for match-drilling and final-drilling the WD-1209 Brake Pedals and WD-1211-L & -R Brake Pedal Torque Tubes for the other end of the WD-01206-1 Rudder Pedals. The parts are assembled as shown in Figure 2.





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NOTE: The brake lines in this section are assembled with two different end fittings, the F 69-F-04x02 Brass Elbow and the F 179CA-4-2 Brass 45° Elbow. The main difference between the two assemblies is that the nut supplied with the brass 45° elbow has the sleeve attached to it.

NOTE: When directed to assemble the brake lines in this section, use the instructions of Section 5.22.

<u>Step 1:</u> Thread the brass elbows, called out in Figure 1, into the ports of the master cylinders as shown (use a small amount of pipe thread sealant on the threads). Note that the elbows in the lower ports are clocked to direct their corresponding brake lines between the elbows in the upper ports. The elbows in the upper ports are directed upward.

Step 2: Assemble the F-1289B-L & -R Cross-Over Brake Lines and connect them to their corresponding elbows as shown in Figure 1.

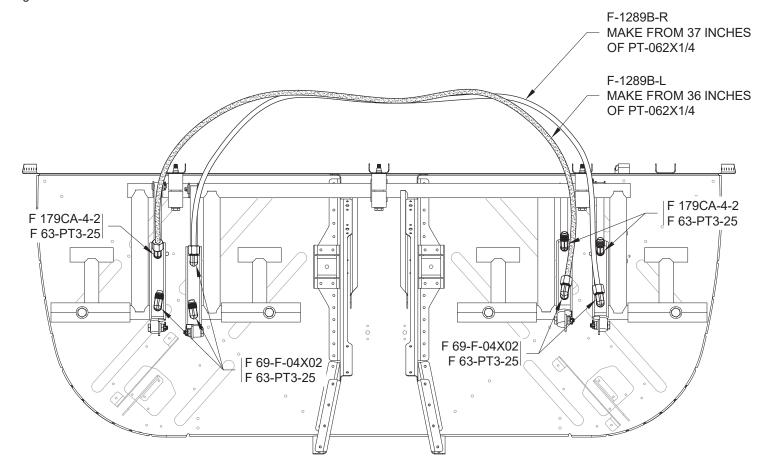


FIGURE 1: CROSS-OVER BRAKE LINES

Step 3: Rivet the F-12103-1 Tunnel Brace to the fuselage tunnel as shown in Figure 2.

Step 4: Install two HW-00023 Cable Tie Standoffs in the F-12103-1 Tunnel Brace flange as shown in Figure 2.

Step 5: Attach the F-01276C-1 Systems Blocks and F-01276E Systems Block Stiffeners to the screws in the F-01276-1 Bottom Skin as shown in the detail view of Figure 2.

NOTE: The aft ends of the main brake lines are secured in Section 35iS Landing Gear & Engine Mount.

Step 6: As shown in Figure 2, the F-01289C-1 Main Brake Lines run from the F-01204A-1 Center Section Bulkhead to the brake master cylinders on the left side of the fuselage. Install the compression fittings (nut, sleeve, insert, and elbow) at the aft end of the main brake lines as shown. Route the main brake lines forward through the F-01276C-1 System Blocks and secure with a plastic tie wrap to the right side HW-00023 in F-12103-1. Then continue routing the main brake lines to the left side master cylinders. Mark both ends of the left and right brake lines with an "L" or an "R", respectively.

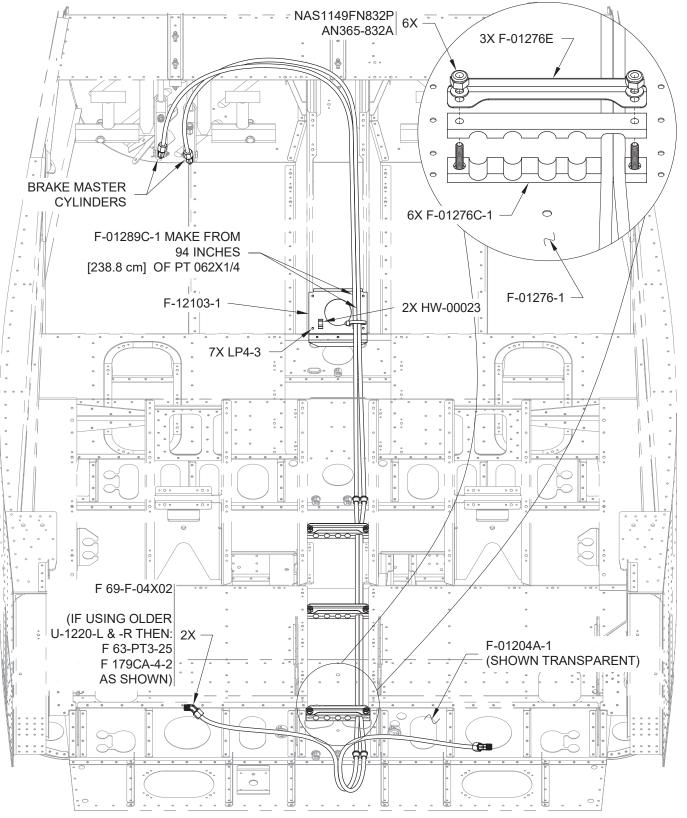
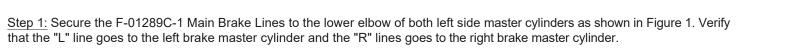


FIGURE 2: INSTALLING SYSTEMS BLOCKS AND MAIN BRAKE LINES (TOP VIEW LOOKING FORWARD)





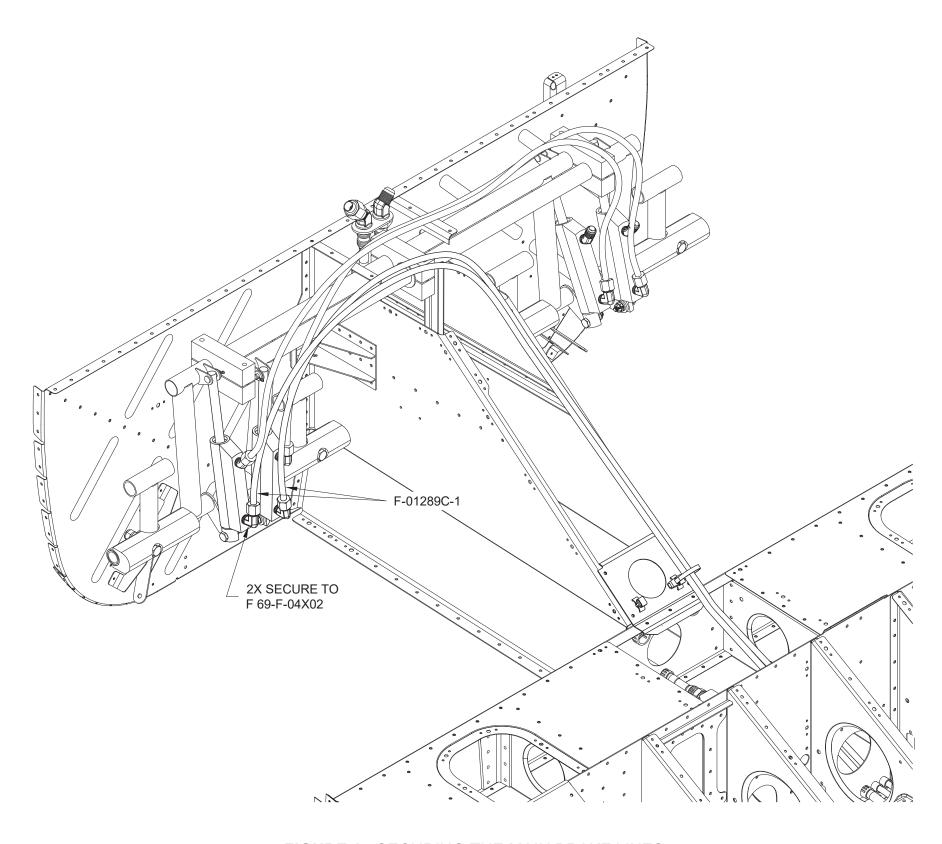


FIGURE 1: SECURING THE MAIN BRAKE LINES





NOTE: The other end of the reservoir brake lines are secured to the brake reservoir in Section 32iS Flight Controls.

Step 1: Secure the F-1289A-L & -R Reservoir Brake Lines to the upper elbow of both right side master cylinders as shown in Figure 1.

END OF SECTION

