

NOTE: Install the fluid fittings as described in Section 5.27.

<u>Step 1:</u> Install the lower oil port fluid fitting. Verify the FF-00017 Hose Assembly can be installed without the nut interfering with the vernatherm. See Page 43-06, Figure 6.

<u>Step 2:</u> Install all fluid fittings and sensors shown in Figure 1 and Page 43-06.

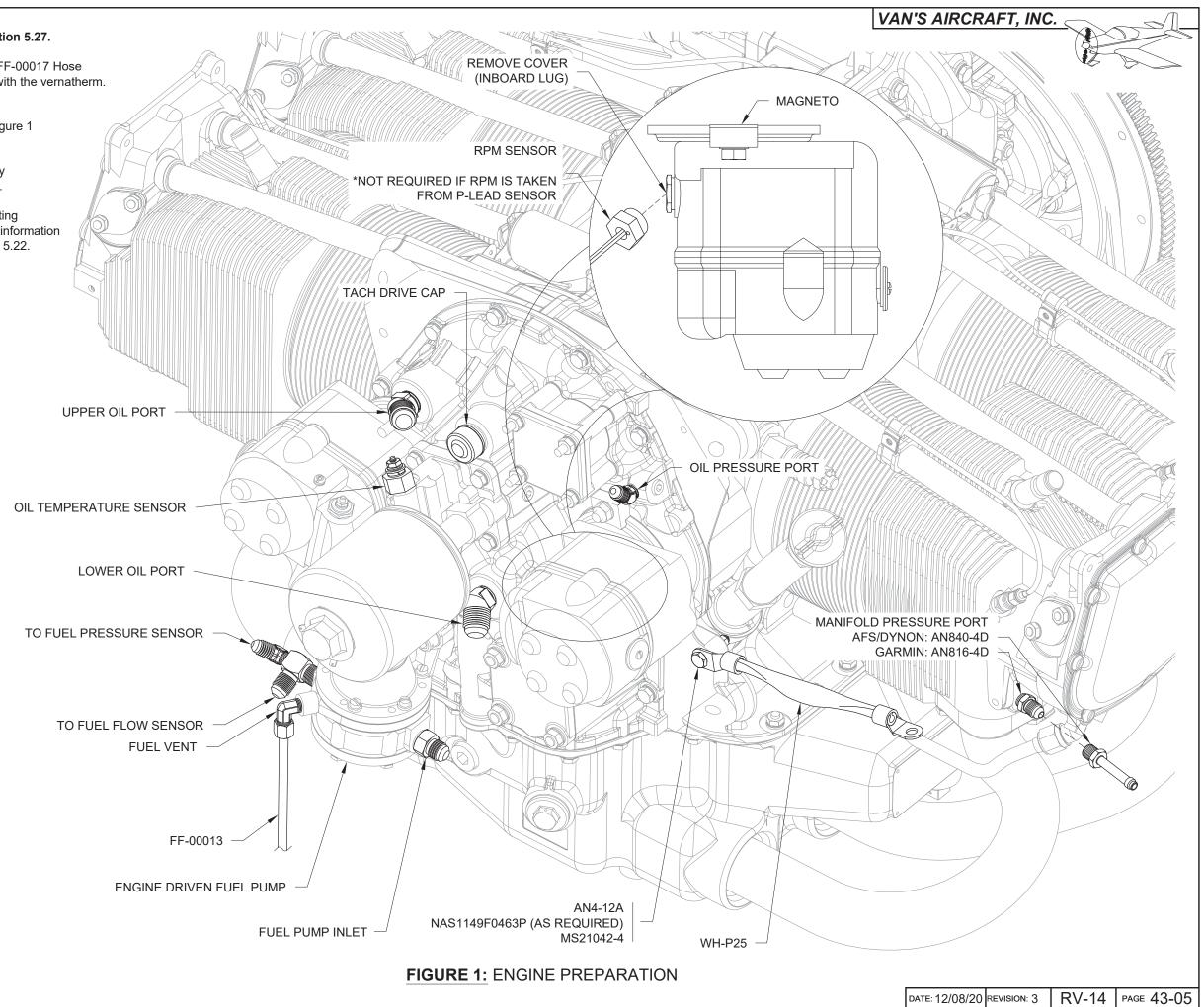
<u>Step 3:</u> Fabricate the FF-00013 Fuel Overflow Tube by cutting a piece of PT-030X1/4 to a length of 18 inches.

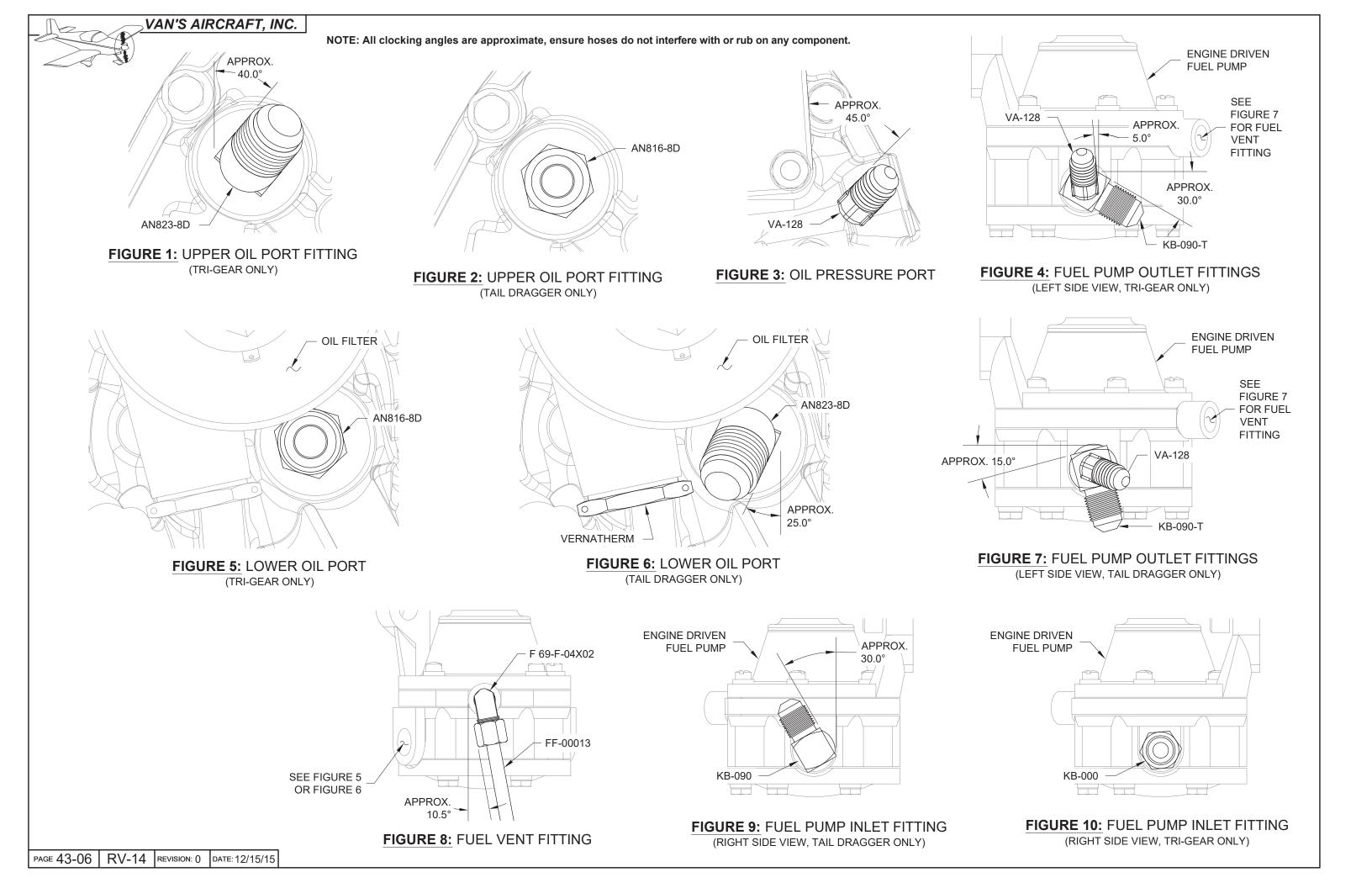
<u>Step 4:</u> Connect the fuel overflow tube to the elbow fitting on the back of the engine driven fuel pump. For more information on the installation of compression fittings, see Section 5.22.

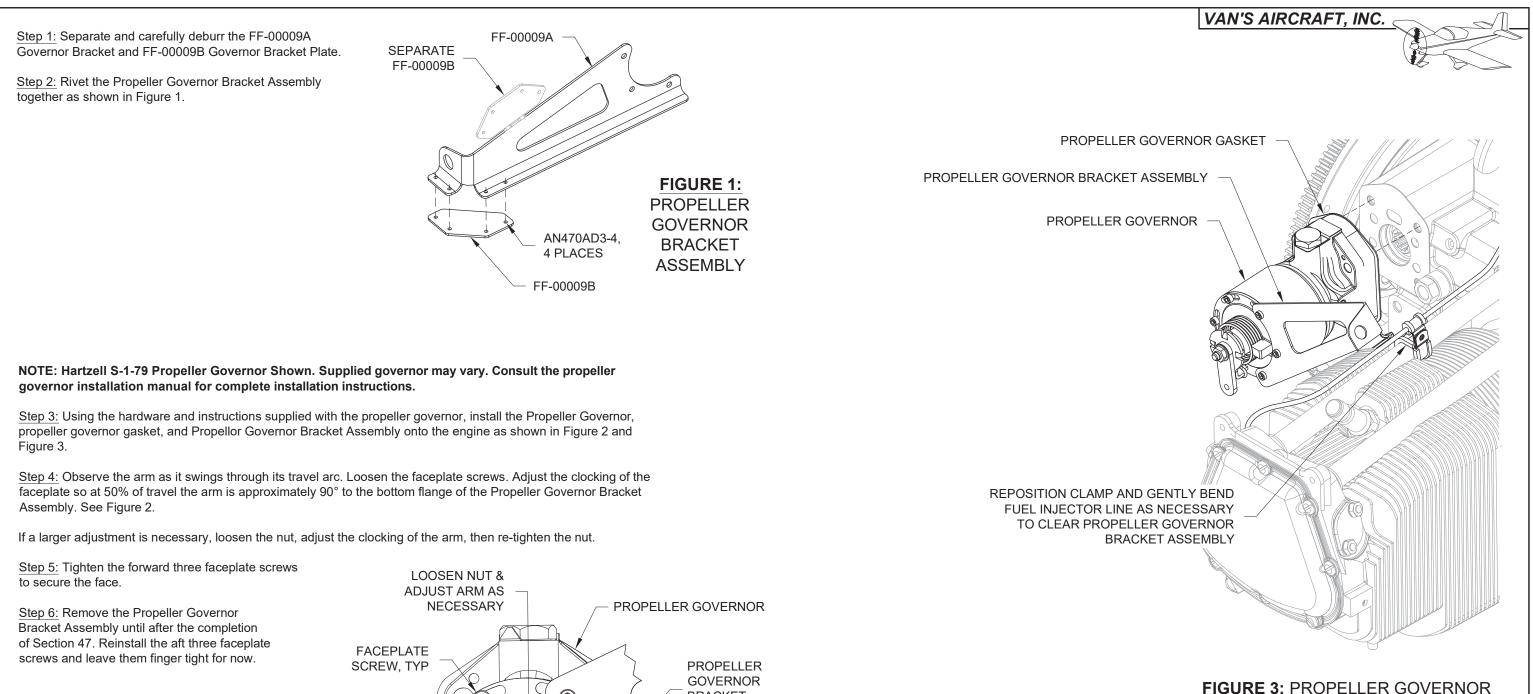
<u>Step 5:</u> Use sandpaper to remove the paint on the engine where the WH-P25 2AWG Ground Strap will be installed.

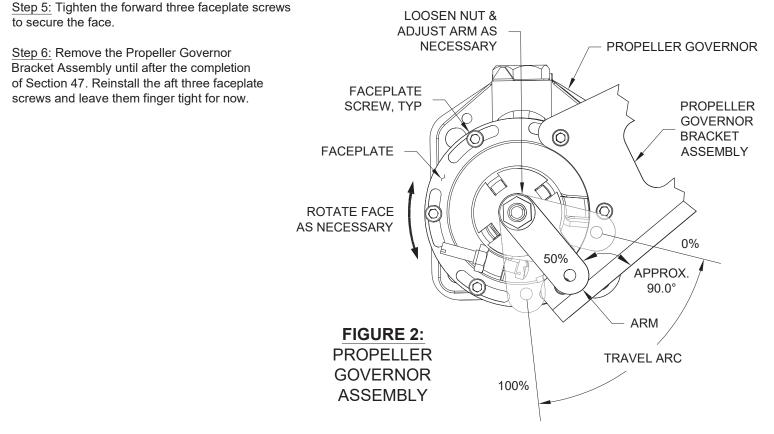
<u>Step 6:</u> Install one end of the ground strap to the engine as shown in Figure 1.

<u>Step 7:</u> If required, order one IE RC-1 CAP Tach Drive Cap from Van's and install where shown in Figure 1.



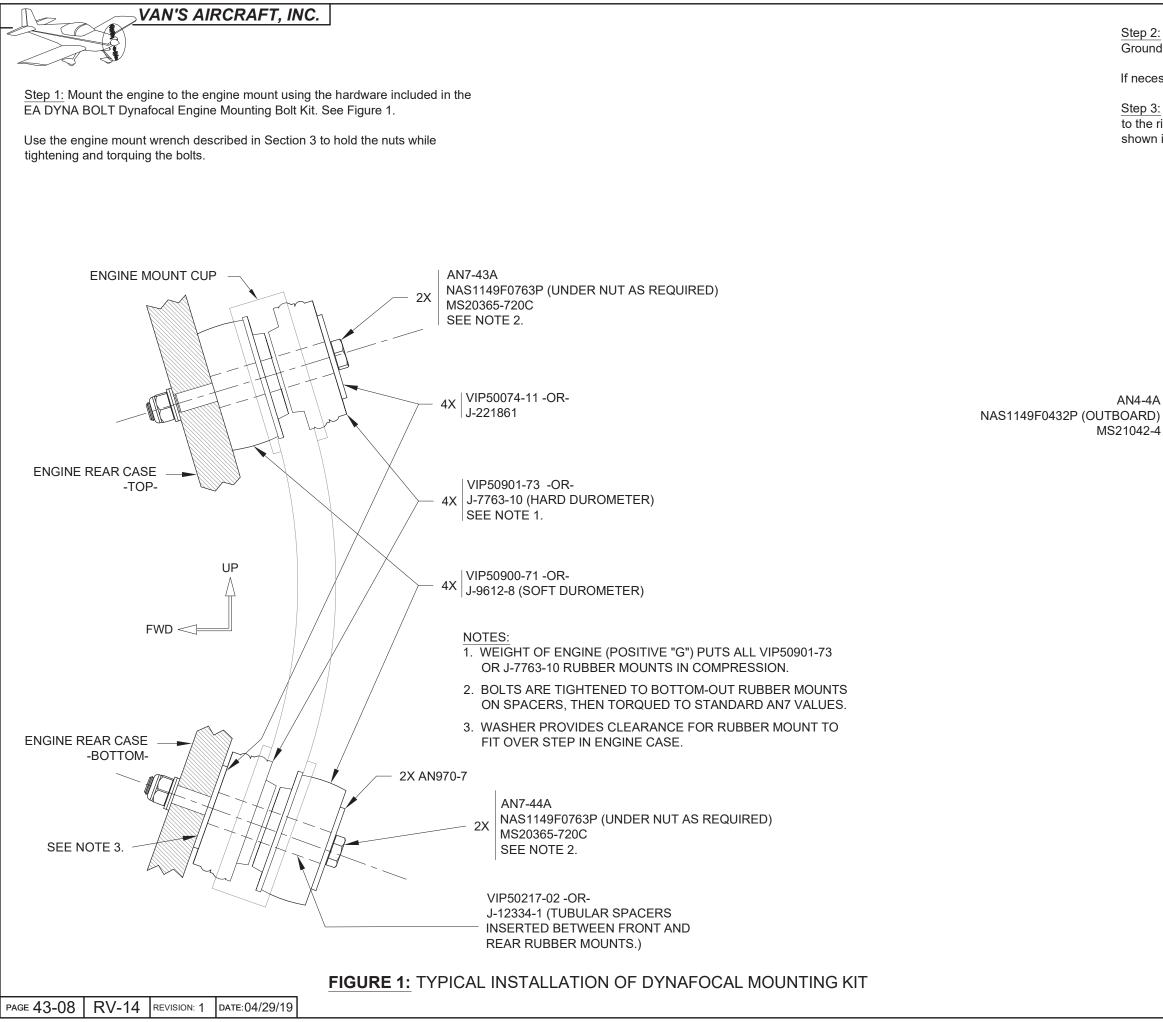






ASSEMBLY INSTALLATION

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Step 2: Verify that there is bare metal where the WH-P25 2AWG Ground Strap will connect to the engine mount as shown in Figure 2.

If necessary, sand away any powder coating from the connection area.

Step 3: Connect the loose end of the WH-P25 2AWG Ground Strap to the right side of the engine mount near the right lower mount cup as shown in Figure 2.



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FIGURE 2: ENGINE GROUND STRAP

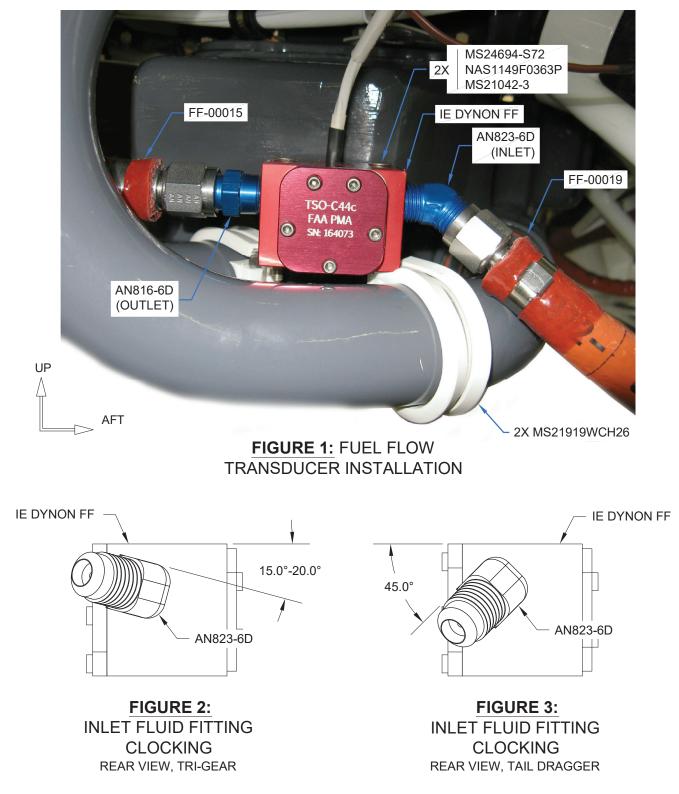
NOTE: If installing the IO-390-EXP119 engine, refer to KAI Section OP-62 for alternate instructions pertaining to components on this page.

NOTE: Steps performed on this and subsequent pages in this section may be performed at any time, but will be most easily accomplished now.

Step 1: Install the loose end of the VA-102 Fuel Pressure Hose-4X15.25 and the FF-00019 Hose Assembly-6X19 to the fuel pump fluid fittings as described on Page 49-04.

Step 2: Orient and install the IE DYNON FF Fuel Flow Transducer and fittings as shown in Figure 1. See Figure 2 or Figure 3 for the clocking of the inlet fluid fitting. For more information on installing fluid fittings, see Section 5.27.

Step 3: Route and install the FF-00015 and FF-00019 Hose Assemblies as described on Page 49-03, 49-04, and 49-05.



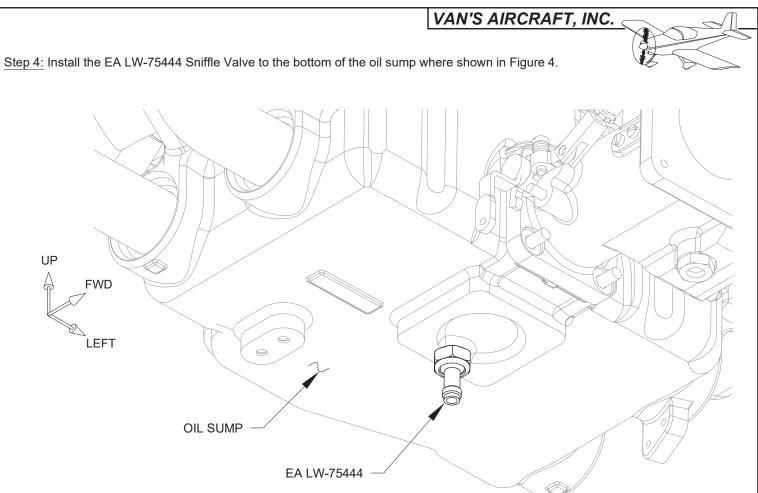
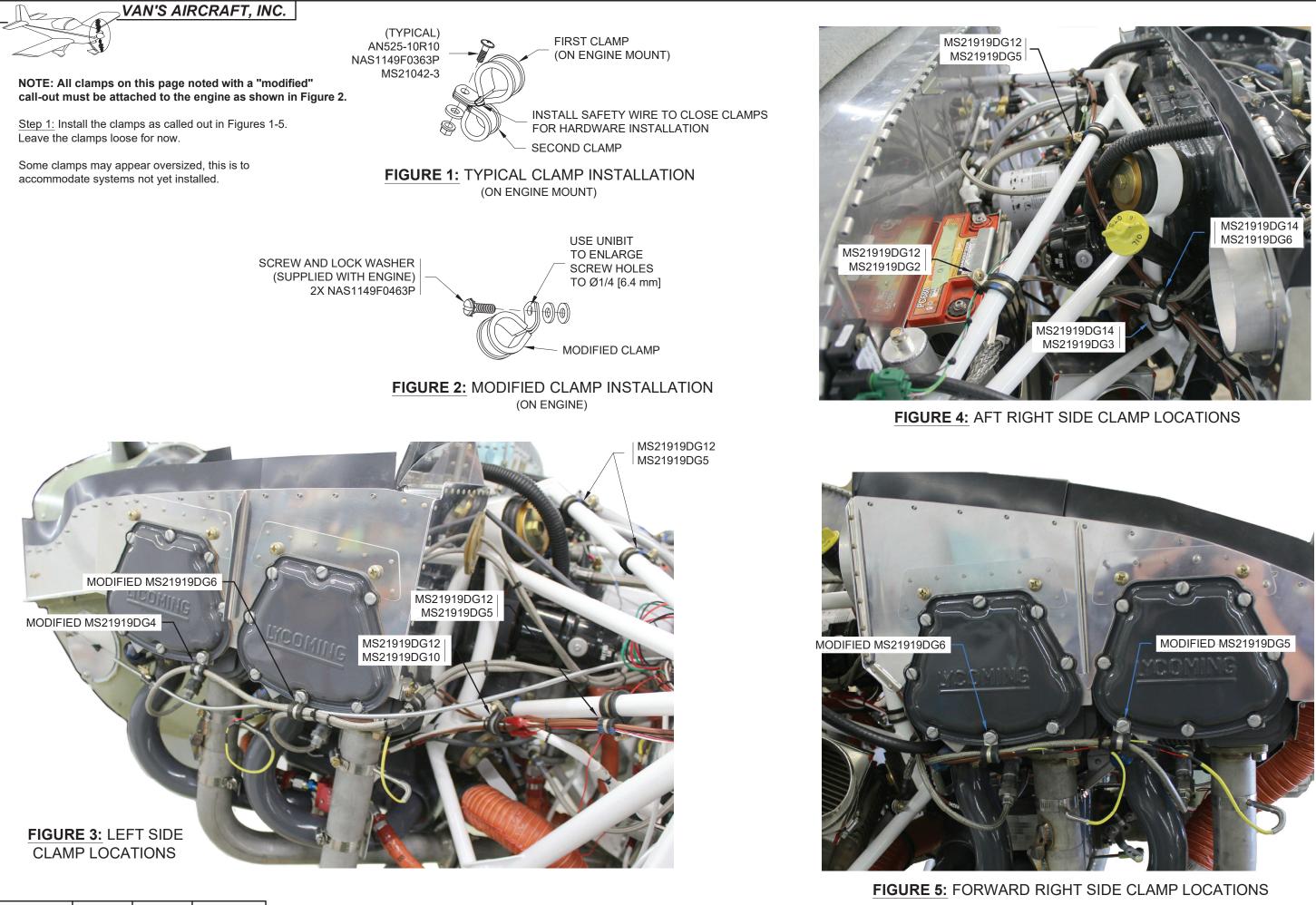


FIGURE 4: SNIFFLE VALVE INSTALLATION

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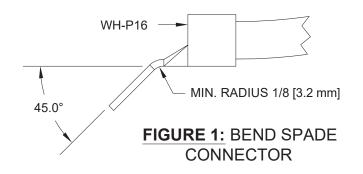


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NOTE: If installing the IO-390-EXP119 engine, refer to KAI Section OP-62 for alternate instructions pertaining to components on this page.

<u>Step 1:</u> If necessary, install a starter onto the engine. See the starter manufacturer's documentation for more information.

<u>Step 2:</u> Use a hand seamer to gently bend the forward (loose) spade connector on the WH-P16 Starter Relay to Starter Wire as shown in Figure 1.



Step 3: If installed, remove the factory installed jumper from the starter.

Step 4: Add insulated boots where called-out in Figure 2.

<u>Step 5:</u> Route then connect the starter wires as shown in Figure 2. See the starter manufacturer's documentation for nut torque values.

Step 6: Use the clamp called out in Detail A to secure the starter wires.

<u>Step 7:</u> Install the VA-163 Mixture Bracket (part of the IO-360 Throttle/Mix Kit) as shown in Detail A.

