

VMAC Accessory A700190/191

Installation Instructions

Predatair 40 and 60 Closed Center Hydraulic Kit

Important Information

The information in this manual is intended for certified VMAC installers who have been trained in installation procedures and for people with mechanical trade certification who have the tools and equipment to properly and safely perform the installation. Do not attempt this installation if you do not have the appropriate mechanical training, knowledge and experience.

Follow all safety precautions for mechanical work. If you have difficulty with the installation, contact VMAC.

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1.1 Installing Closed Center Manifold Kit with a Cold Climate Kit

- If installing a Closed Center Kit on a PREDATAIR with a Cold Climate Kit, ensure the Closed Center Kit is installed farthest from the manifold (Figure 1).

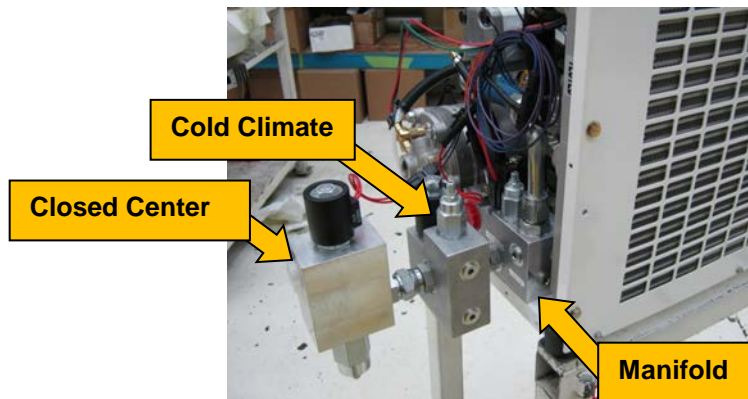


Figure 1 - Kit Install Order

- Install the supplied #12 ORB to #12 male JIC fitting in the high-pressure port of the hydraulic manifold (or “Oil In” port of the Cold Climate Kit if applicable).
- Install the supplied #12 ORB to #12 female JIC fitting in the “OIL OUT” port of the Closed Center Kit.

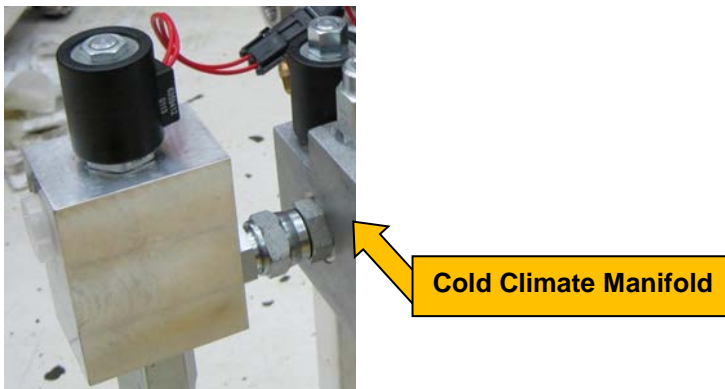


Figure 2 - Hydraulic Connection

- Connect the fitting installed in the PREDATAIR hydraulic manifold (or Cold Climate Kit “Oil In” port) to the fitting installed in the Closed Center Kit (Figure 2). Rotate the block so the solenoid valve is vertical and tighten the fittings.
- Install the hydraulic high pressure line to the “OIL IN” port of the Closed Center Kit and tighten the hose fitting.

- Locate the red wire connector located over the cooling fan (Figure 3). Disconnect the connector and install the red wire section of the supplied harness in line (Figure 4). Route the violet and blue wires towards the hydraulic manifold.

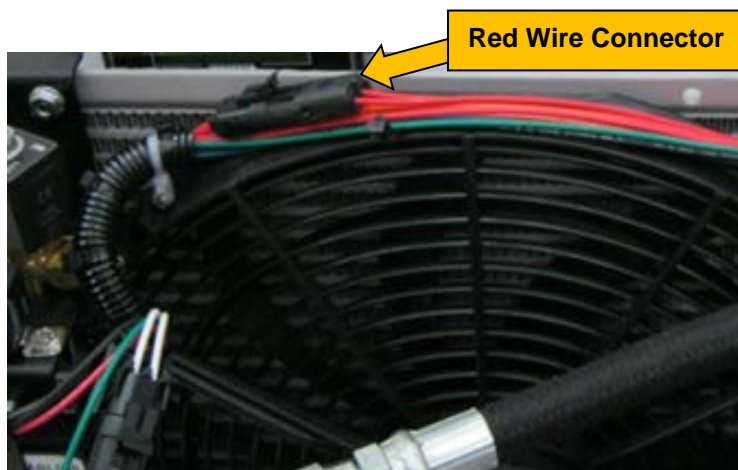


Figure 3 - Red Wire Connector Location

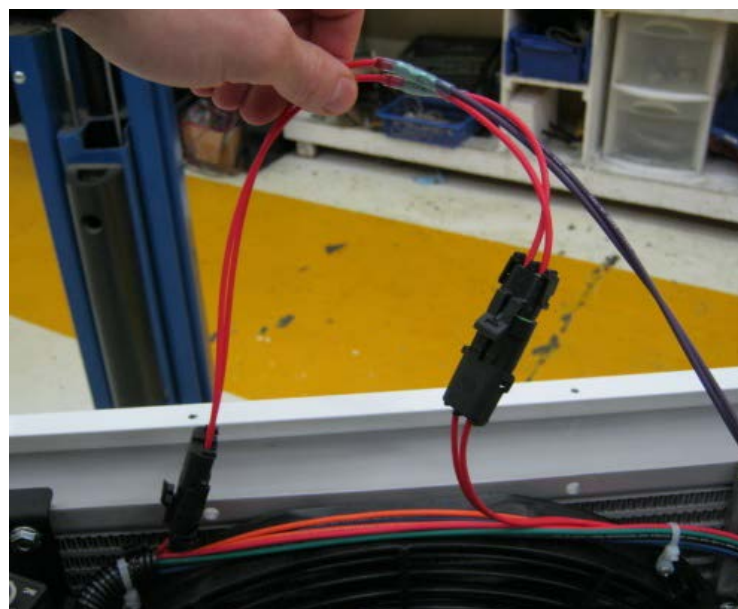


Figure 4 - New Red Wire Connected

- Skip this Step and proceed if there is no Cold Climate Kit installed. Locate the coil of blue wires with a connector on the inside of the right-hand side panel of the PREDATAIR (Figure 5). Cut the tie wraps securing the wires to the panel and remove the plug installed in the connector. Connect one end of the blue wires on the supplied harness to the blue PREDATAIR wire connector (Figure 6). Pull the other end through the panel and attach the blue wire connector to the solenoid on the cold climate kit.



Figure 5 - Blue Wire Location

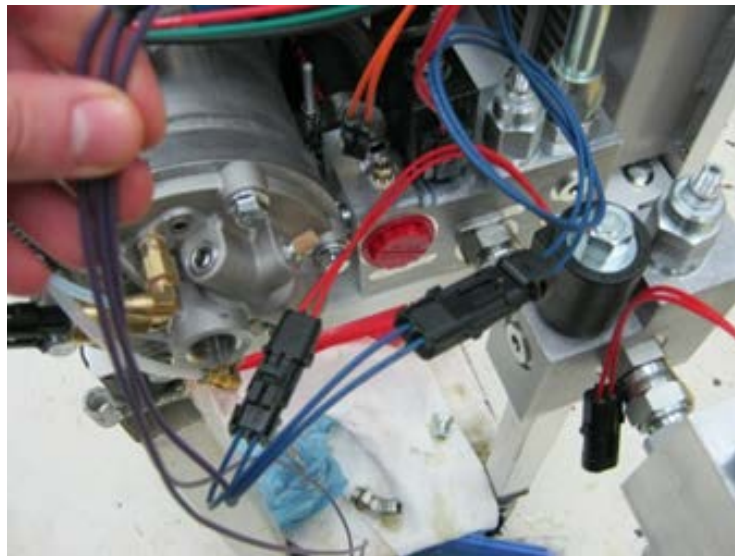


Figure 6 - New Blue Wire Connected

- Pull the violet wires through the panel and attach to the solenoid on the Closed Center Kit.



Figure 7 - Wires Connected and Bundled

- Create a loop of unnecessary blue and violet wire length and do not bend the heat shrunk section (Figure 7). Secure with tie wraps or equivalent restraints.
- Route the wires away from all sources of heat, pinch points and areas where abrasion or damage may occur. Secure the wires using suitable tie wraps or similar wiring restraints (Figure 7 and Figure 8). Use protective loom if required.

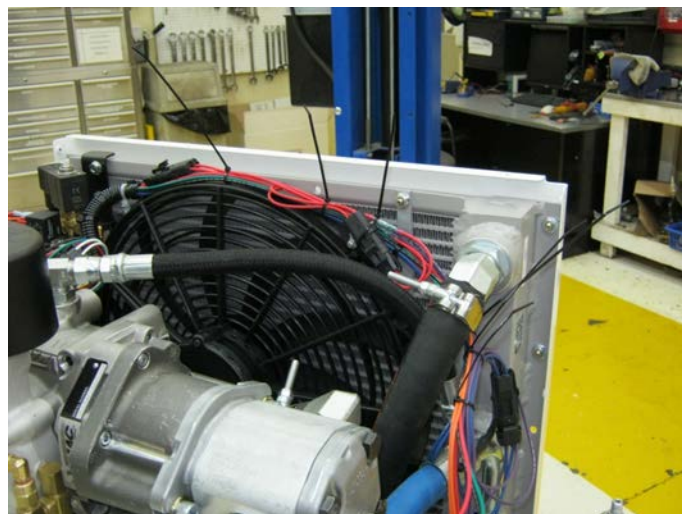


Figure 8 - Wires Bundled



Operate the PREDATAIR to ensure there are no leaks or other operational problems.

1.2 Closed Center Kit Operation

The VMAC Closed Center Kit is connected in series with the hydraulic high-pressure supply line to the PREDATAIR hydraulic manifold. The electrical wiring is inside the enclosure of the PREDATAIR. The system is completely automatic and does not require any user intervention.

This kit is rated for a maximum pump flow rate of 30 gpm. Do not exceed this value.

Important Information:

The information in this manual is intended for installers who have knowledge and experience in hydraulic system installation and for people with mechanical trade certification who have the tools and equipment to properly and safely perform the installation. Do not attempt this installation if you do not have the appropriate mechanical training, knowledge and experience. If you have difficulty with the installation, contact VMAC.

Follow all safety precautions and standard shop practices for mechanical work.