

Version	Revision Details	Revised by/date	Approved	Implemented
A	Implemented	Michael H	SM	25 August 2011
B	ECN 12-161: 9200490 was 9200446	Michael H	SM	06 November 2012

INLET VALVE ADAPTOR REMOVAL AND INSTALLATION INSTRUCTIONS (ACCESSORY KIT # A700169)

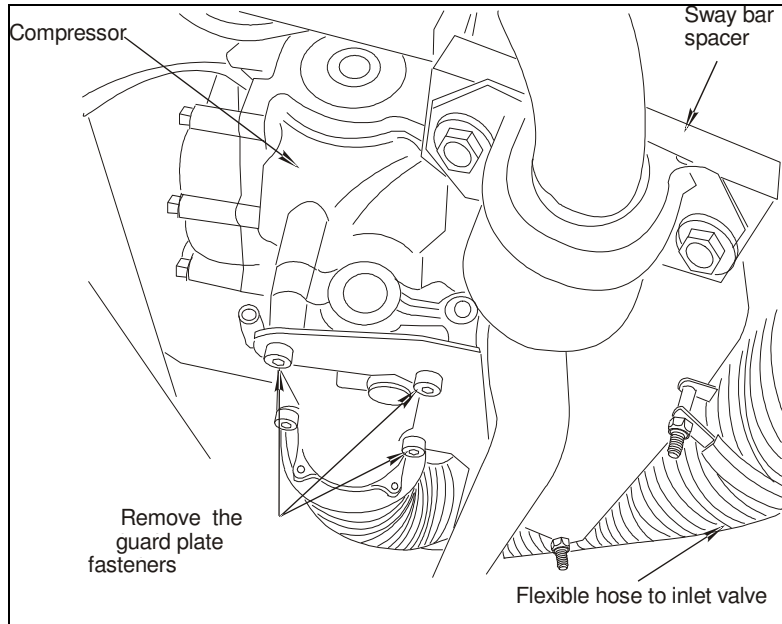


Fig 1 Guard plate installed

WARNING: BEFORE REMOVING ANY OF THE COMPRESSOR SYSTEM COMPONENTS ENSURE ALL AIR PRESSURE HAS VENTED FROM THE SYSTEM. COMPONENTS REMOVED FROM THE SYSTEM WHILE UNDER PRESSURE COULD RESULT IN SERIOUS INJURY OR DEATH.

1. Clean the area around the compressor to prevent contamination.
2. Remove the flexible hose to inlet valve from clamps.

NOTE: To check that the system is not pressurized, press on the poppet valve through where the intake hose connects on the inlet valve. If the poppet is difficult to open the system may still be pressurized. Open the air supply line to ensure system is de-pressurized.

3. Disconnect the 2 tubes from the brass push-to-connect fittings on the inlet valve. Also, disconnect the 1 crimped hose from the inlet valve

NOTE: Cover open fittings, tubes and hoses to prevent contamination.

4. Next, remove the 3 inlet valve fasteners that secure the guard plate to the inlet valve. Remove guard plate.

WARNING: OIL MAY DRAIN FROM COMPRESSOR WHEN REMOVING INLET VALVE.

5. Remove the remaining cap screw securing the inlet valve to the compressor.
Remove inlet valve and o-ring.
6. Remove brass straight push-to-connect fitting from inlet valve. Please see Fig 2 for reference.

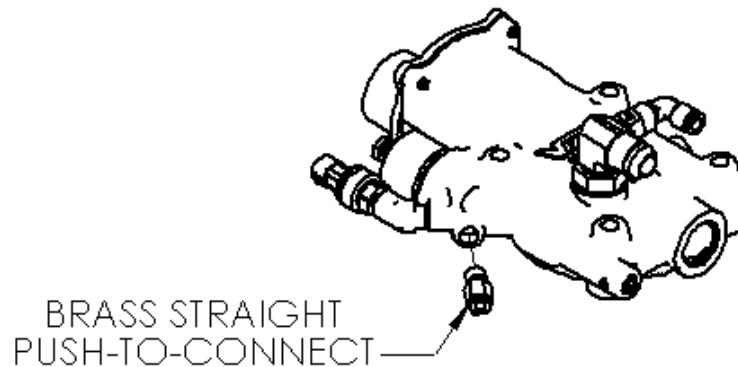


Fig 2. Brass fitting to be removed.

NOTE: Cover openings on inlet valve to prevent contamination.

7. Now, remove the 3 cap screws that secure the adapter plate to the compressor.
8. Remove inlet valve adapter and O-ring from compressor.

INSTALLATION

NOTE: New inlet valve adapter requires copper sealing washer. Washer is for single use only and must be replaced if bolt is loosened. Torque fastener to 25 ft-lbs.

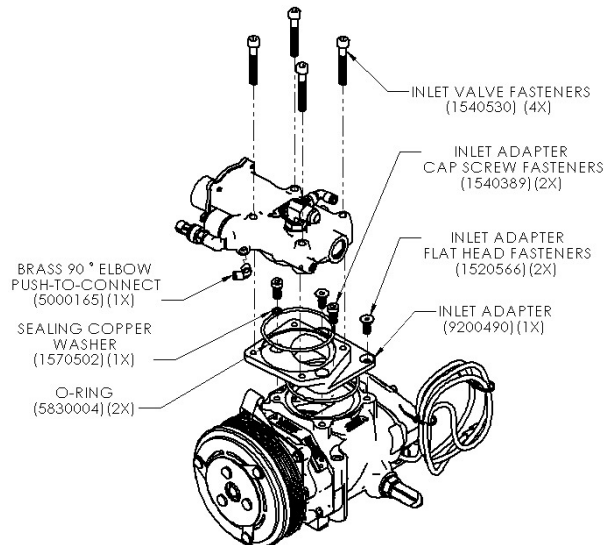


Fig 3. A700169 replacement kit components

9. Install brass elbow (5000165) into inlet valve in orientation shown in Fig 3.
10. Install new O-ring (5830004) and place new inlet adapter (9200490) in orientation shown in the above image.

11. Now install, but **do not tighten** the 2 flat head fasteners (1520566), 1 cap screw (1540389) and copper washer (1570502), and the remaining cap screw (1540389) provided. **Please see image above.**

NOTE: To ensure correct alignment, tighten the flat head screws before tightening the cap screws.

NOTE: Apply Loctite 242 blue to all inlet valve and inlet adapter fasteners provided before installation.

12. Install remaining O-ring and install inlet valve using 1 cap screw (1540530) provided in location where guard plate is not installed. See fig 1
13. Install the intake guard plate using the three remaining bolts (1540530) provided (Fig 1). Position it so that the short end of the hose will attach to the intake and the long end to the remote filter. Tighten the inlet valve bolts and secure the hose with the clamps.
14. Connect the 2 tubes and crimped hose to the inlet valve fittings.
15. Before starting the engine check the compressor oil level at the tank sight glass.
16. Do a final inspection to make sure that everything has been completed and tightened.
17. Check all wiring for security and protection. Make sure nothing is touching the compressor body.
18. Operate system with an air tool to ensure system is operating correctly.
19. Check all components, connections and fasteners once the engine is turned off and system has cooled.
20. Check the compressor oil level after engine has been shut down and oil level has had time to stabilize.

If you are experiencing any problems contact VMAC Technical Support for assistance at 1-888-2289.