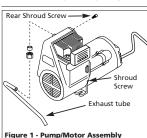
Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury andlor property damage! Retain instructions for future reference.



Valve Plate Kit



General Safety Information

Read this sheet carefully. Be thoroughly familiar with the controls and proper use of the equipment.



▲WARNING

Allow the compressor pump to cool before attempting to perform any maintenance or service or serious personal injury could occur.

▲WARNING

Unplug and release all air pressure from the system before attempting to install, service, relocate or perform any maintenance or serious personal injury may occur.

Unpacking

Carefully inspect for any damage that may have occurred during transit. Check kit for following parts:

- Cylinder gasket (1)
- Valve plate (1)
- Metal head gasket (1)
- Intake valve (1)
- Exhaust valve (1)
 Paper head gasket (1)

Disassembly

TOOLS REQUIRED:

- Torque wrench (up to100 in-lbs)
 T-25 Torx bit and driver or Slotted
- screwdriver

 Phillips screwdriver

- 3/4" open end wrench
- 10 mm socket and ratchet
 Razor blade or putty knife
- Face cooling fan inlet of front shroud with intake filter on the right and copper
- discharge fitting on left.

 2. Use 3/4" wrench to disconnect exhaust tube from compressor (See Figure 1).
- Remove shroud by taking out two Torx screws and one phillips screw from rear of shroud.
- Remove four (4) head bolts with 10 mm socket and ratchet. Lift head off unit and check for sticking gasket pieces. Carefully scrape pieces off making sure not to scratch deep grooves into head.
- 5. Discard used gaskets, valves and valve plate. Use new parts supplied in kit.

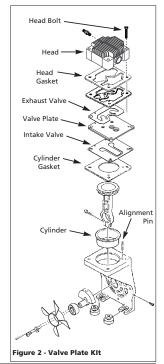
Assembly (REFER TO FIGURE 2)

- Place cylinder gasket on cylinder with one of the small holes over the alignment pin. Align the four large holes with head bolt bales.
- Place intake valve over cylinder gasket with one of the small holes over the alignment pin. Align the four large holes with head bolt holes. Position free end of reed to the right, touching top of cylinder without hanging down into cylinder.
- Place valve plate over intake valve with one of the small holes over the alignment pin. Align holes with different diameters with intake valve. The bottom side of these holes will be blocked by intake valve.
- Place exhaust valve over valve plate and make sure reeds cover the two holes on left. Ensure two intake ports on valve plate are visible after valve is installed.
- Place black, rubber-coated, metal gasket on top of exhaust valve with raised stops and rib facing upward. The raised stops should be over the top of the two exhaust reeds
- Align and place paper head gasket over raised rib in metal gasket.
- Place head on top of head gasket with brass fitting to left and intake filter to right.

- Replace head bolts. Following a criss-cross pattern, torque all four head bolts to 100 in-lbs.
- Secure shroud with shroud screws and reconnect exhaust tube.

Technical Service

For information on the operation or repair, please call 1-800-543-6400. In Ohio or outside the continental U.S., call 513-367-4811.



Installation Instructions

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Valve Plate Kit

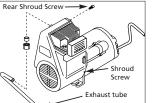


Figure 1 - Pump/Motor Assembly

General Safety Information

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∆WARNING

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Unpacking

Carefully inspect for any damage that may have occurred during transit. Check kit for following parts:

- Cylinder gasket (1)
- Valve plate (1)
- Metal head gasket (1)
- Intake valve (1)
 Exhaust valve (1)
- Paper head gasket (1)

Disassembly TOOLS REQUIRED

- Torque wrench (up to 100 in-lbs)
- T-25 Torx bit and driver or Slotted screwdriver
- Phillips screwdriver

- 3/4" open end wrench
- 10 mm socket and ratchet
 Razor blade or putty knife
- Face cooling fan inlet of front shroud with intake filter on the right and copper discharge fitting on left.
- Use 3/4" wrench to disconnect exhaust tube from compressor (See Figure 1).
 Remove shroud by taking out two Torx
- screws and one phillips screw from rear of shroud.

 Remove four (4) head bolts with 10 mm.
- Remove four (4) head bolts with 10 mm socket and ratchet. Lift head off unit and check for sticking gasket pieces. Carefully scrape pieces off making sure not to scratch deep grooves into head.
- Discard used gaskets, valves and valve plate. Use new parts supplied in kit.

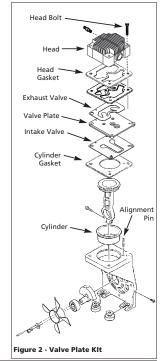
Assembly (REFER TO FIGURE 2)

- Place cylinder gasket on cylinder with one of the small holes over the alignment pin. Align the four large holes with head bolt holes.
- Place intake valve over cylinder gasket with one of the small holes over the alignment pin. Align the four large holes with head bolt holes. Position free end of reed to the right, touching top of cylinder without hanging down into cylinder.
- Place valve plate over intake valve with one of the small holes over the alignment pin. Align holes with different diameters with intake valve. The bottom side of these holes will be blocked by intake valve.
- Place exhaust valve over valve plate and make sure reeds cover the two holes on left. Ensure two intake ports on valve plate are visible after valve is installed.
- Place black, rubber-coated, metal gasket on top of exhaust valve with raised stops and rib facing upward. The raised stops should be over the top of the two exhaust reeds.
- Align and place paper head gasket over raised rib in metal gasket.
- Place head on top of head gasket with brass fitting to left and intake filter to right.

- Replace head bolts. Following a criss-cross pattern, torque all four head bolts to 100 in-lbs.
- Secure shroud with shroud screws and reconnect exhaust tube.

Technical Service

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