



See instruction manual 308981 for important warnings and information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

First choice when quality counts.™

For converting **METAL** Husky 715 air-operated diaphragm pumps

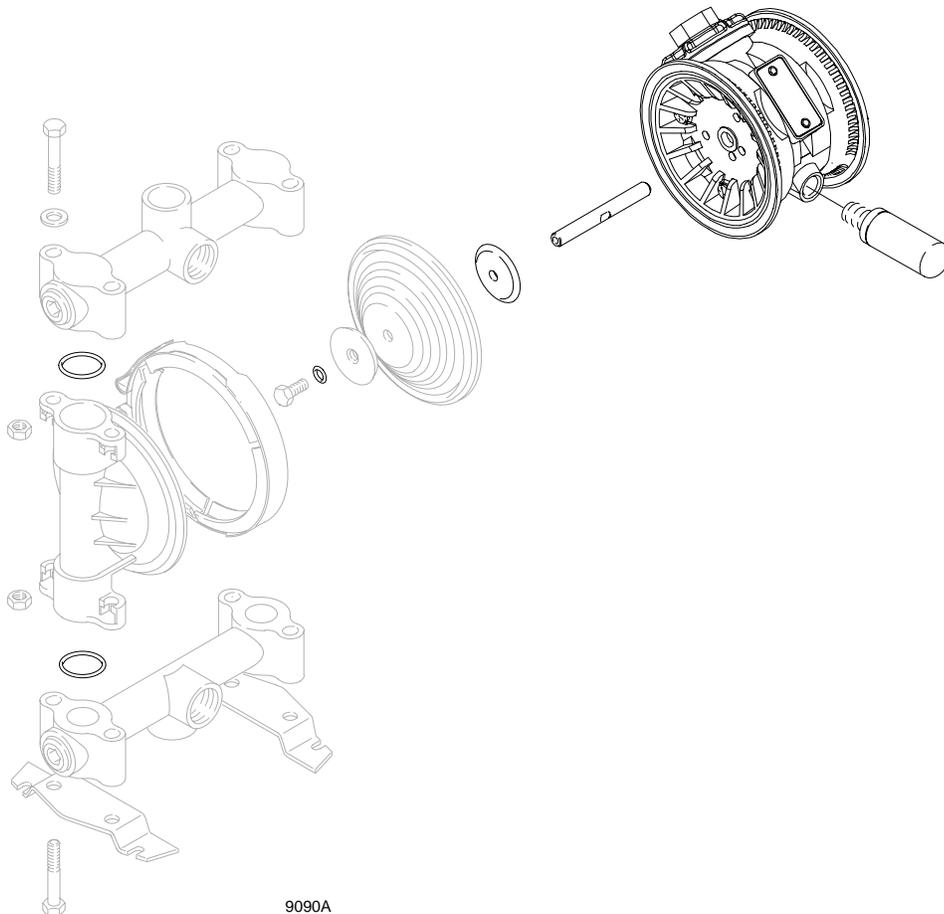
Husky™ 716 Air Motor Retrofit Kits

Part No. 241631

with standard air motor

Part No. 241664

with remote-operated air motor



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Installation

Pressure Relief Procedure

WARNING

PRESSURIZED EQUIPMENT HAZARD

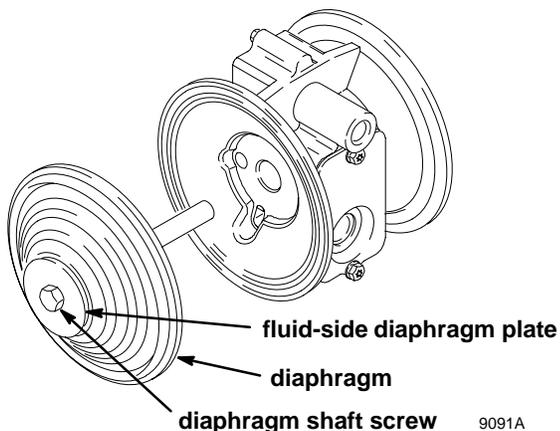
The equipment stays pressurized until pressure is manually relieved. To reduce the risk of serious injury from pressurized fluid, accidental spray, or splashing fluid, follow this procedure whenever you

- Are instructed to relieve pressure
- Stop pumping
- Check, clean, or service any system equipment
- Install or clean fluid nozzles

1. Shut off the air to the pump.
2. Open the dispensing valve, if used.
3. Open the fluid drain valve to relieve all fluid pressure, and have a container ready to catch the drainage.

Removing the Existing Air Motor

1.  Follow the **Pressure Relief Procedure** above.
2. Remove the outlet and inlet manifolds, grounding strip, and vee clamps. Remove the center housing (shown below) from your Husky 715 pump.



3. From the center housing that you took off of the pump, remove the diaphragm shaft screws, fluid-side diaphragm plates, and diaphragms. You will re-use these. Do not re-use the diaphragm shaft or the air-side diaphragm plates with the new air motor.

Installing the New Air Motor

1. Apply medium-strength (blue) Loctite® (9) or equivalent to threads of diaphragm shaft screw. Install on one end of the diaphragm shaft the following parts (see proper order in Parts Drawing): air-side diaphragm plate, diaphragm, fluid-side diaphragm plate, packing o-ring (7), and diaphragm shaft screw.
NOTE: The words "AIR SIDE" on the diaphragm and the flat side of the air-side diaphragm plate must face toward the diaphragm shaft.
2. Put grease (8) on the diaphragm shaft, and carefully (do not damage the shaft u-cups) run the diaphragm shaft through the center housing bore.
3. Repeat step 1 for the other end of the diaphragm shaft, and torque the diaphragm shaft screws to 80 to 90 in-lb (9 to 10 N-m) at 100 rpm maximum.
4. Install the muffler.

When installing vee clamps in step 6, orient center housing so air inlet is approximately 45° above horizontal and the muffler is approximately horizontal.

5. Apply thin, even film of grease on inside of vee clamp.
6. Position fluid covers, install vee clamps around fluid and air covers, install grounding strip on vee clamps, and torque vee clamp nuts from 80 to 90 in-lb (9 to 10 N-m).
7. Make sure all check valve parts are in place.
8. Install manifold o-rings (6) and manifolds, and torque manifold bolts from 80 to 90 in-lb (9 to 10 N-m).

Operating the Retrofitted Pump

See instruction manual 308981 for Operating and Service instructions and Parts information.

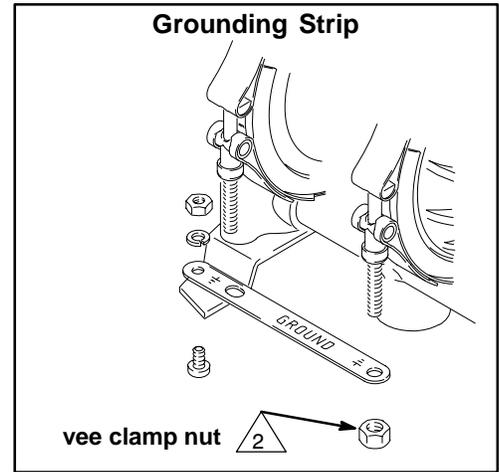
Parts

Husky 716 Air Motor Retrofit Kit

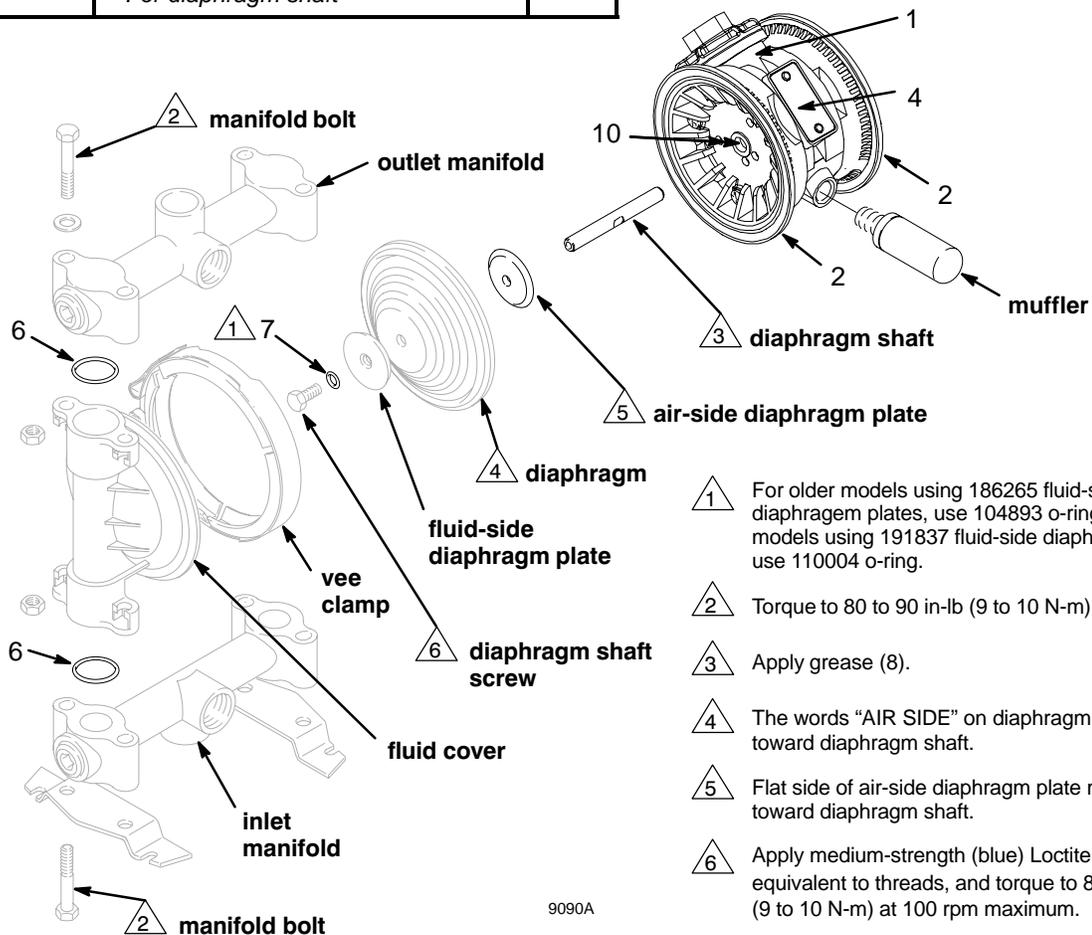
Part No. 241631, with standard air motor

Part No. 241664, with remote-operated air motor

Ref. No.	Part No.	Description	Qty
1	240224	MOTOR, air, standard Included in Kit 241631 <i>See manual 308981 for parts.</i>	1
1	241255	MOTOR, air, remote-operated Included in Kit 241664 <i>See manual 308981 for parts.</i>	1
2	194246	COVER, air	2
3	114882	SCREW, torx	12
4	290045	PLATE, designation	1
5	111183	RIVET, <i>for designation plate (4)</i>	2
6	110636	O-RING	8
7	110004	PACKING, o-ring	2
7	104893	PACKING, o-ring	2
8	111920	LUBRICANT, grease (not shown)	1
9	113500	ADHESIVE, anaerobic (not shown)	1
10	108808	PACKING, u-cup (not shown) <i>For diaphragm shaft</i>	2



NOTE: Parts shown with solid lines in the drawing below are included in the Air Motor Retrofit Kit.



- 1 For older models using 186265 fluid-side diaphragm plates, use 104893 o-ring. For newer models using 191837 fluid-side diaphragm plates, use 110004 o-ring.
- 2 Torque to 80 to 90 in-lb (9 to 10 N-m).
- 3 Apply grease (8).
- 4 The words "AIR SIDE" on diaphragm must face toward diaphragm shaft.
- 5 Flat side of air-side diaphragm plate must face toward diaphragm shaft.
- 6 Apply medium-strength (blue) Loctite® (9) or equivalent to threads, and torque to 80 to 90 in-lb (9 to 10 N-m) at 100 rpm maximum.

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