

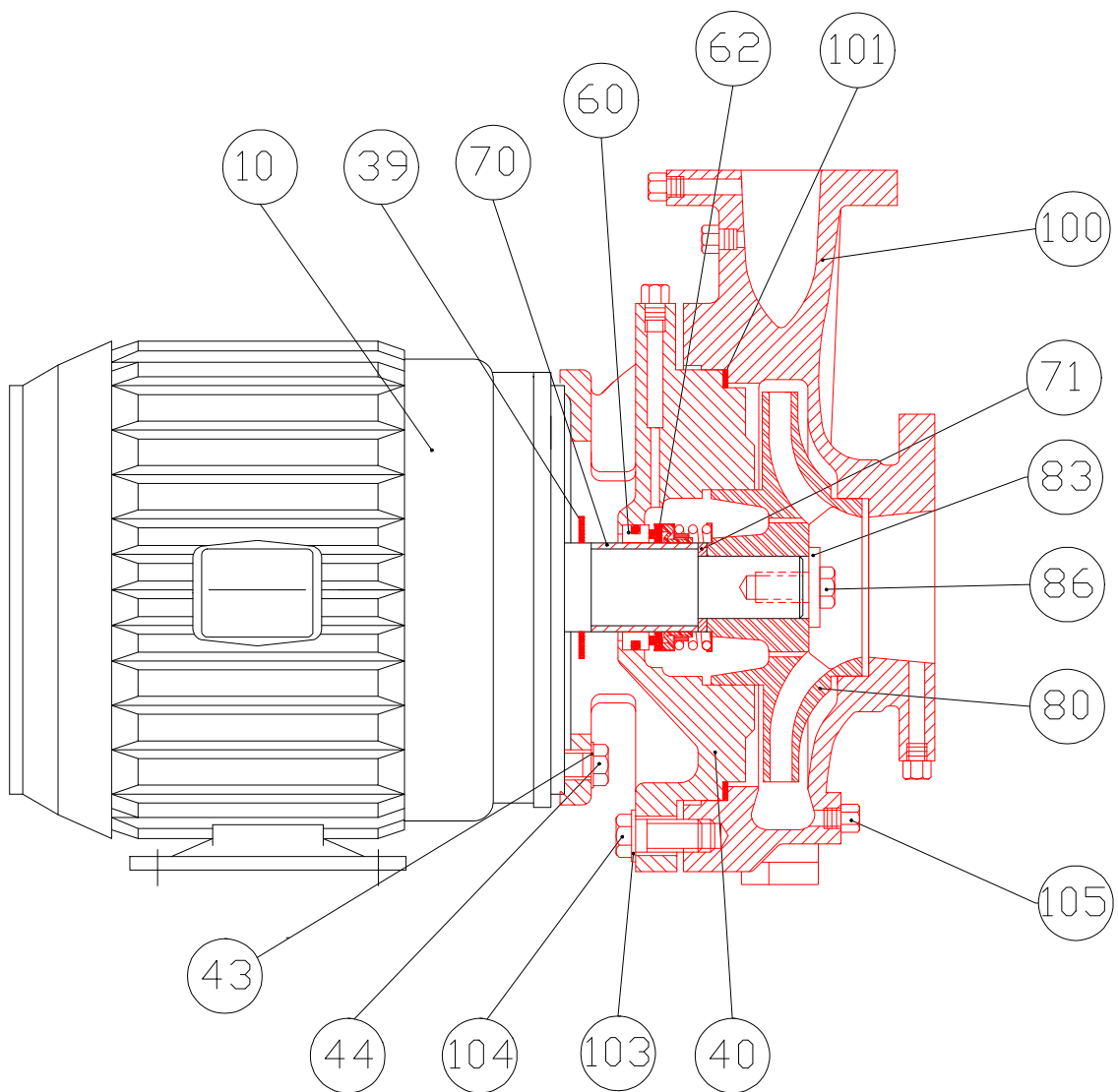
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维修工作指导

ARMSTRONG®

4280 系列

马达安装
卧式端吸泵



11. REMOVE OLD CASING GASKET

- The former casing gasket [101] should be scraped from the casing and adapter, leaving clean surfaces for the new gasket. A standard putty knife and wire brush are useful for this purpose)

ASSEMBLY PROCEDURES:

12. REPLACE MECHANICAL SEAL

- Clean the shaft sleeve [70] surface, ensuring all the former seal elastomer pieces have been removed. Inspect for damage. Replace if necessary. (See separate instructions for removal of the shaft sleeve [File No. 6042.25]). Inspect the water slinger [39] and replace if damaged. Install a new seal seat [60] in the adapter cavity, being sure the lapped (polished) side of the insert is facing up. Ensure that the cavity has been thoroughly cleaned. Lubricate the seat "O" ring with a small amount silicon or glycerine lubricant and press down, straight and even, into the cavity. Do not press the seat in with bare fingers, use a clean cloth or the cardboard disc typically supplied with the seal. Contamination of the polished and lapped seat face could cause leakage. If the adapter was removed from the motor, replace now, taking care that the seal seat is carefully guided over the motor shaft.
- Lubricate the inside of the seal rotating assembly [62] with a small amount of silicon or glycerine lubricant and slide onto the shaft sleeve [70] with a twisting motion, carbon face first, until the carbon face is pressed firmly against the seal seat [60]. Pressing on the seal rotating assembly metal parts, with a screw driver, all the way around the seal, will ensure that the faces are mated properly.
- Remove the spring retainer from the seal spring and place the seal spring over the seal rotating assembly.

13. REPLACE PUMP IMPELLER

- Install the shaft sleeve spacer [71] and impeller key on the shaft and place the seal spring retainer onto the impeller hub register. Slide the impeller in place on the motor shaft. Take care and ensure that the seal spring is kept in place on the seal rotating assembly and fits well into the retainer on the impeller hub.

14. TIGHTEN IMPELLER CAPSCREW

- It is good practice to replace self locking screw, once removed. Install the impeller capscREW and washer [86 & 83]. Hold the impeller the same way as when the capscREW was successfully loosened (Bar or screw driver placed carefully between the impeller blades) and tighten the capscREW with a socket wrench.

15. INSTALL NEW CASING GASKET

- Insert new casing gasket [101] onto the register on the adapter.

16. SLIDE ROTATING ASSEMBLY INTO PLACE

- The rotating assembly (Motor, adapter and impeller combination [10, 40 & 80]) may now be pushed into place in the casing. Once in place, any casing supports should be removed.

17. CASING CAPSCREWS

- The casing capscREWS [104] are now installed and evenly tightened with a wrench. Tighten the capscREWS a little at a time, **diagonally** across the casing, to assure even gasket pressure.

18. MOTOR MOUNTING CAPSCREWS

- The capscREWS that hold the pump to the foundation are now installed and tightened.

19. ISOLATION VALVES

- Replace the casing drain plug and open the suction and discharge isolation valves.

20. MOTOR WIRING

- The motor conduit and its wiring are now replaced. Be sure to check rotation of the motor after rewiring if the motor is three phase and correct if necessary, by switching any two lead wires. Ensure that the pump is filled with water before operating to check rotation.

21. CONDUIT BOX COVER

- The conduit box cover is replaced after checking the motor rotation. The pump may now be placed in operation.

S.A. Armstrong Limited

23 Bertrand Avenue
Toronto, Ontario
Canada, M1L 2P3
Tel; (416) 755-2291
Fax: (416) 759-9101

Armstrong Pumps Limited

Peartree Road, Stanway
Colchester, Essex
United Kingdom, C03 5JX
Tel: 01206-579491
Fax: 01206-760532



Armstrong Pumps Inc.

93 East Avenue
Buffalo, New York
U.S.A. 14120-6594
Tel: (716) 693-8813
Fax; (716) 693-8970

Armstrong Darling Inc.

2200 Place Transcanadienne
Montreal, Quebec
Canada, H9P 2X5
Tel: (514) 421-2424
Fax: (514) 421-2436

