



Wear-Ring Replacement for A Series Pumps

HOMA provides bronze volute wear-ring and integral cast iron impeller wear-ring as standard construction. The impeller wear surface is over sized and can be machined true and renewed with a new wear-ring heat shrink fitted over the newly machined surface; this will require removal of the impeller. Refer to the repair manual for impeller removal.

Removal of optional worn stainless steel wear-rings will require removal of the impeller from the shaft and machining off the worn ring. Wear-rings should be ordered and replaced in sets.

- To remove the wear-ring from the volute use a pry bar or crows foot and gently and evenly pull the wear-ring up at opposing sides.
- If a pry bar will not fit between the casting and the ring. Flip the volute over so the suction is facing towards you. Using a chisel or punch, tap the ring towards the inside of the volute striking opposing sides until it drops out.

Place a new wear-ring into the bottom of the volute over the suction inlet. HOMA recommends the use of a press and appropriate tools when installing bronze wear-rings. As an alternative drive the wear-ring with a brass drift pin gently and evenly at opposing sides until fully seated. Take care not to distort the wear-ring as binding with the impeller will occur.

Install the motor with impeller into the volute squarely.

- Do not use bolts to draw the motor to the volute. Damage to the wear-rings, shaft and impeller will occur.
- Once the volute is fully seated the bolts can be put into place making sure that the volute is in proper location as marked during disassembly. HOMA recommends the use of blue # 242 locking compound on the bolts before installing.
- Routinely rotate the impeller as the bolts are being tightened to check for binding of the impeller and wear-rings.
- Torque all bolts as specified. Check by hand that the impeller spins freely without rubbing or binding.

Bolt torques: 16MM 108 ft-lb, 12MM 45 ft-lb, 10MM 26 ft-lb

Standard metric tools and torque wrench are required

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