

REQUIRED TOOLS

- #262 Loctite Red locking compound
- #242 Loctite Blue locking compound
- Anti-seize compound
- Torque wrench (with appropriate torque range)
- Ratchet or air impact gun with 8" Extension bar
- 10mm, 12mm, 16mm, and 20mm hex head sockets

PROCEDURE

- Lay pump on its side and support it to prevent it from rolling
- Remove cover from shaft end, and remove any masking tape from the pressure cover of the motor
- Install impeller key onto pump shaft, and apply anti seize compound to shaft end.
DO NOT APPLY ANTI SEIZE TO THREADS!
- Install impeller onto pump shaft. Take care to carefully line up impeller keyway to the installed key.
- Install new impeller bolt with the clamping disk using #262 Loctite red thread locking compound on impeller bolt. Prevent the impeller from rotating and tighten impeller bolt with torque wrench or air impact gun to specified torque (210 ft-lb for 20mm bolt, 108 ft-lb for 16mm bolt and 26 ft-lb for 10mm bolt).
- Examine the machined, inner radiuses of the volute. If there is paint present, clean the surface with a flap wheel or abrasive pad
- Using suitable lifting device, install pump into volute, making sure to line up the discharge of the volute under the cable inlet on a T motor.
- Apply #242 Loctite Blue thread retaining compound and tighten to specified torque (45 ft-lb for 12mm bolts and 26 ft-lb for 10mm bolts).
- With volute bolts tightened, physically verify that impeller rotates freely with no binding. If pump turns freely, it is ready for reinstallation.