

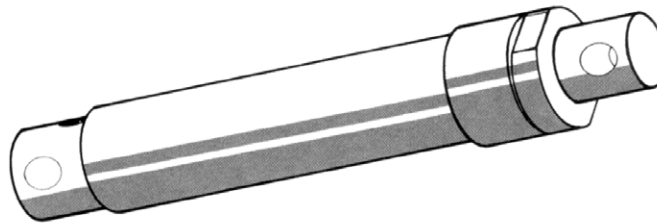
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Replacement Parts for Morse Part # 781-P Hydraulic Cylinder

Used on:

- 400A-60 and 400A-72 Series Hydra-Lift Karriers with serial numbers 0802 to 0913 (MMYY)
- 400A-96 Series Hydra-Lift Karriers with serial numbers 0802 to 0704 (MMYY)
- 405 Series Omni-Lift Drum Rackers with serial numbers 0802 to 0913 (MMYY)
- 410 Series Heavy-Duty Hydra-Lift Karriers with serial numbers 1210 to 0913 (MMYY)



QTY.	PART #	DESCRIPTION
1	781-P	CYLINDER, 1.5 X 22.625, SAE
1	3912-P	FLOW CONTROL, POPPET, 781-P
1	4195-P	KIT, SEAL, 1-1/2 CYL, 781-P

Note: Stroke is 22-5/8" (57.5 cm)
 Length Closed: 30-3/8" (77.2 cm) Center to Center
 Length Fully Extended: 53" (134.6 cm) Center to Center

Replacement Seal Kit Installation Instructions for Morse Part # 781-P Hydraulic Cylinder



1. Mount the cylinder in a Vise (Chain Vise preferred) being careful not to deform the Body.
2. Using a punch (or screwdriver) tap the locking ring out of the Gland slot.
3. Using a Hook Style Spanner Wrench (pipe wrench will work) unthread the Gland from the Body.
4. Remove the Piston Rod Assembly (Rod, Gland, and Piston) from the Body Assembly.
5. Secure the Rod Mount to remove the Threaded Piston or Piston Nut. **DO NOT SCRATCH OR GOUGE THE PISTON ROD**
6. Remove the Piston Seals with a Seal Pick (or dull screwdrivers) while the Piston is Mounted on the Rod being careful not to scratch the Seal Grooves.
7. Unthread the Piston or Piston Nut.
8. Slide the Piston and Gland off the Rod.
9. Clean Body, Rod, Gland, and Piston.
10. Inspect for scratches or gouges to the Body, Gland, or Piston. If so, replace the part and/or have Body re-honed.
11. Using the Seal Pick remove the Rod Seals and Wiper being careful not to scratch the Seal Grooves.
12. Using a Seal Installation Tool (or dull screwdrivers) install the Rod Seals and then the Rod Wiper.
13. Lubricate the seals with a light grease and slide the Gland back onto the Rod.
14. Put the Piston back on the Rod torquing it to the specified torque value.
15. Replace the Piston Seals using the seal Pick(s). Lightly grease the Piston Seals.
16. Slide the Rod Assembly back into the Body Assembly.
17. Torque the Gland to the Specified torque value and tap the locking Ring back into the Gland Slot.