



Medium Duty Series
Eaton® Pumps
Kit 70160-901
-01 Design
Shimming
Process

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Introduction

This shim kit is to add or subtract shims if the camplate, trunnion cover or housing is replaced during servicing. The following procedure is to be used to assure proper preload.

Shimming procedures:

- 1 Measure the thickness of the existing shims.
- 2 To obtain a starting point install existing shims.
- 3 Assemble the housing sub-assembly consisting of the housing, camplate, bearings and trunnion covers. Install the trunnion cover bolts and torque to 39.3 N·m [29 lbf·ft].
- 4 With a torque wrench, check the torque required to rotate the control shaft. The specified torque level is $2,26 \pm 0,6$ N·m [20 ± 5 lbf·in].
 - If torque level is too low, remove shim and repeat steps 3 and 4 until specified torque levels are achieved.
 - If torque level is too high, add additional shims and repeat steps 3 and 4 until specified torque levels are achieved.
- 5 Finish the assembly of the pump.

