

CYLINDER SEAL REPLACEMENT - MINI, 500, 1000, 1300, & 1600 SERIES

- Step 1. Make sure the pressure on the gate's hydraulic system is relieved by putting the liftgate on the ground and holding the down function for 5 seconds. Disconnect the #4 power cable from the positive side of the battery to avoid a risk of a 12 volt electrical short, then remove the hi-pressure hose by screwing the hose fitting out of the cylinder elbow. Do not take the hose out of the pump fitting.
- Step 2. Remove the cable clamps and pull the cables out of the cylinder pulley, observe the way the cables are threaded -- THIS IS IMPORTANT.
- Step 3. Remove the clamps that hold the cylinder in place and remove the cylinder.
- Step 4. Take out the screw that holds the guide bushing in the end of the cylinder tube and pull out the shaft and the piston.
- Step 5. Be sure to put the backup washer ahead of the "O" ring as shown. (Fig. #1)
- Step 6. Before re-installing the piston and shaft into the cylinder tube, check and remove any burr from the cylinder tube end and guide bushing bolt hole. Also inspect the double groove pulley and pin for wear and also the shaft and guide bushing. Replace if necessary.
- Step 7. Reverse the procedure to reinstall the piston and cylinder.
- Step 8. Follow the cable replacement instructions when securing the cables.(Cable replacement instructions in the Manual.)
- Step 9. Reconnect the liftgate's main power cable to the positive side of the battery.

NOTE: If no model or serial number available please give information on: Cylinder barrel overall length
Cylinder barrel outside diameter
Cylinder shaft pulley outside diameter
Pulley pin diameter

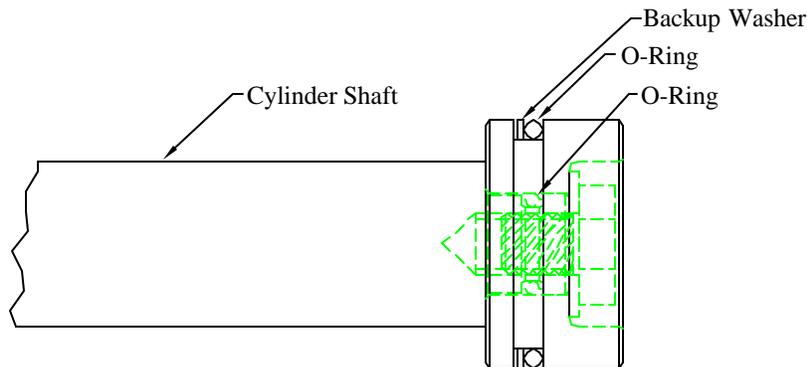
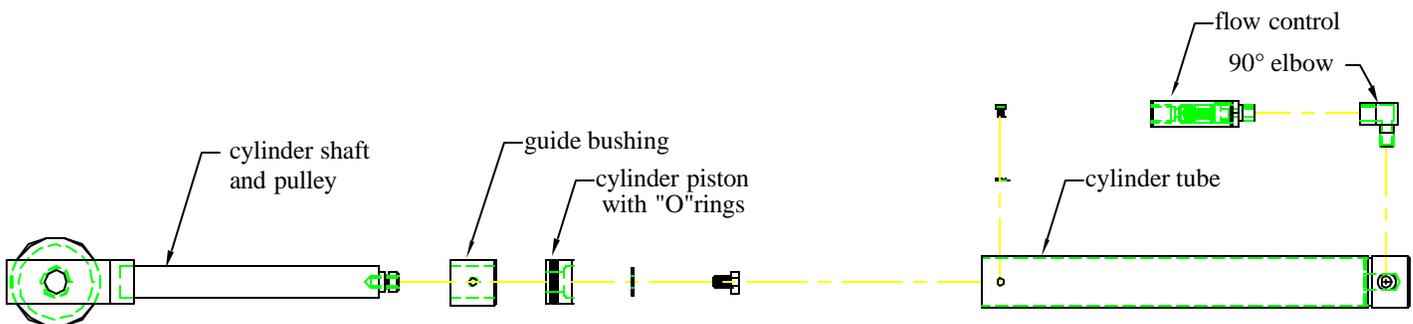


Fig #1



MAJOR CYLINDER PARTS