



## SEAL REPLACEMENT

PART NUMBER: 102419

REQUIRED TOOLS: Chanel Lock pliers, Flat blade screw driver, 5/32" socket driver, 1/4" hex drive. 2- 15/16 wrenches, Small tool to scrape (putty knife, air powered needle scaler, dull flat tip screw driver, scotch bright). The older covers without the retainer plate will require a drill with a 7/16" drill bit. Anti-sieze.

**NOTE:** Maximum seal pressure is 55 psi. Use a regulator if connecting the seal to shop air.

1. Deflate the seal and open the cover.
2. Close the ball valve on the control box, move the toggle to the closed position. This will drain the air from the system.)
3. **USING FALL PROTECTION MOVE TO THE TOP OF THE TRAILER.**
4. Remove protective cap (103755), Hinge pin D-Ring (103691), Hinge Pin Castle nut(103969). The hinge pin D ring can be used to hold the bottom of the hinge pin (103950)
5. Remove the hose clamp (102502) and barb fitting (103952) and disconnect the 3/8 air-line.
6. Remove the 15/16" (bolt at the end of cylinder) 103828
7. Flip the cover upside down.
8. Remove hose retainer (103901) or on the older cover pull the inflation tube out of the hole)
9. Pull the inflatable seal (102419) out of the groove.
10. Enlarge the hole if necessary to accommodate the large tube size using the 7/16" drill bit.
11. Clean the groove using a needle scaler (preferred) or putty knife and Scotch bright. The groove must be clean for the seal to seat properly.
12. Push the inflation tube back through the retainer or through the hole
13. Start the seal into the groove at four points at 90 degrees.
14. Work the outside foot of the seal into the grove then move to the inside. (A little soapy water may be used.)
15. Using the thrust washer (103678) press the foot of the seal into the groove.
16. Install the barb fitting and hose clamp. Connect the seal air-line.
17. On the control box turn the ball valve on with the seal button in, this will deflate the seal. Check to make sure the seal is seated. The seal will sit flush or below the cover surface. Once satisfied close the ball valve and cycle the cylinder to de-energize the system.
18. Mount the cover, Hinge pin (cover the threads with anti-seize). Close the cover hand tighten the castle nut and loosen to the first hole, cover with cap and pin with the D-ring. Connect the cylinder. Verify air-line clearance. The seal line should not be pulled on when the cover is in the open or closed position.
19. Verify that the seal button is in the out or deflate position.
20. Open the ball valve and cycle the cover normally checking for leaks.