

Place Diverter replacement hydraulic ram
151-1000

The replacement ram kit includes:

Hydraulic ram

Upper mounting bolt and lock nut

5/16" rod end

Lower mounting shoulder bolt

Optional parts maybe needed in some installations:

151-193, 90 degree compression fitting

151-165, compression fitting nut and ferrel only

151-16400, 1/4" hydraulic tubing 15' roll

Installation:

Remove the 2 hydraulic hoses from the compression fittings keeping in mind that fluid will drip from the hoses and cylinders when removed. It is best to have a rag covering the fittings when removing them from the old cylinder. Once the hose are removed hold the the rag over the cylinder and move the nozzle up and down several times to remove the fluid inside the cylinder. Remove the 90 degree compression fittings from the cylinder taking note of how they are clocked for installation on the new cylinder. Now remove the lower retaining bolt and then the upper retaining bolt and place old cylinder to the side.

Install the new cylinder into the mounting bracket on the nozzle and push the new mounting bolt thru the hole to hold the cylinder in place. Install the lock nut onto the bolt and tighten until snug to the bracket, it is best to put a dab of oil on the bolt before installing the nut. Thread the rod end onto the end of the shaft and thread on till it stops. Insert the shouldered bolt thru the rod end and into the lower brackets threaded hole just loose for now. Check to make sure that the rod end is in correct adjustment to get your full up and down travel of the nozzle. Once you have checked the adjustment note the position of the rod end so it can be removed and have a drop of thread sealer (loctite) put in the threads and the rod end reinstalled. Put a dab of lock tight on the lower shoulder bolt as well when installing and tighten till good and snug.

If your using the old compression fittings clean them up and use teflon tape on the threads when installing them into the new cylinder. Use teflon tape on the threads if you are using new compression fitting as well. Once both are tight and clocked correctly reinstall the hoses and tighten. Now it is time to run the nozzle up and down with the pump to refill the cylinder with fluid. Once you have run the cylinder up and down 7 to 10 times and checked for leaks it should be purged of air and ready to use. Make sure at this time to also top off the oil reservoir on the pump to the full level.