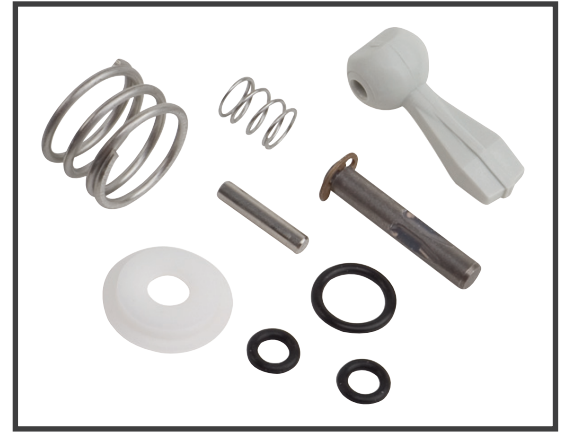


Foot Control Repair Kit Instructions

(Model #04-36)



Foot Control Valve Repair

- Step 1-** Turn the unit off and step on foot control to relieve pressure.
- Step 2-** On the bottom of the foot control, locate and remove the four philips head screws under the perimeter of the dome.
- Step 3-** Turn foot control right side up, while holding the disc on. Lift the disc off, exposing the valve body. Leave the plastic retaining ring in the disc.
- Step 4-** Lift the large compression spring off of the top of the valve body. Pull the stem out of the hole in the top of valve body. Lift the smaller conical spring off the valve body.
- Step 5-** Turn the foot control over again and remove the screws at the center of the base plate.

Note: When using an explorer or similar sharp instrument in the following steps, use care not to scratch the finished metal surfaces on the valve body. These surfaces must be smooth in order for the o-rings to seal properly.

- Step 6-** Lift valve body off of the base plate and turn it over. The large o-ring will be visible in the bottom of the bottom of the body. Use an explorer to pull the o-ring out. Using the explorer again, reach into the hole at the bottom of the valve body and pull out the two o-rings and the two spools.
- Step 7-** Apply a light coating of silicone lubricant to all three of the replacement o-rings.
- Step 8-** Press the two small o-rings into the hole, along with the spools, in the reverse order they were taken out.
- Step 9-** Press the large o-ring into the cutout in the bottom of the valve body.
- Step 10-** Reattach the valve body to the base plate with two screws at the center.
- Step 11-** Position the conical spring over the hole in the top of the valve body. Apply a small amount of silicone lubricant to the valve stem and slide it through the conical spring and down into the hole. The e-clip on the stem should rest on top of the conical spring.
- Step 12-** Position the large compression spring over the stem and conical spring. Arrange the foot control disc over the base plate; make sure the large compression spring is located in the center of the foot control disc.
- Step 13-** Turn the foot control over, while holding the disc and large compression spring in place. Reattach the disc using four philips head screws. It may be necessary to move the plastic retaining ring around in order to find the holes.

Toggle Repair

- Step 1-** Remove the o-ring or retaining ring that encircles the outside of the button housing. Reach under it with an explorer or similar instrument and pull it off. Be careful to not scratch the o-ring with the instrument.
- Step 2-** Locate the retaining pin underneath the o-ring. While pressing down on the toggle, push the pin out of the housing.
- Step 3-** Lift the toggle out of the housing. Also remove the small plastic disc under the toggle (this will be reused).
- Step 4-** Pull the small compression spring out of the housing and insert new one. Make sure it is centered over the pilot valve in the bottom of the housing.
- Step 5-** Position the plastic disc on top the spring. One side of the disc is cut to fit over the spring; make sure this side faces down and that the small stud cut into the disc is centered inside the end of the spring. The smooth side of the disc should face up.
- Step 6-** Place the toggle on the disc. Toggle should lean away from cutout in housing. Bottom of toggle should rest on plastic disc housing.
- Step 7-** Line up the holes in the toggle with holes in the housing. Press new retaining pin through holes. Align evenly on either side of housing.
- Step 8-** Re-install the o-ring that goes around the housing and covers the retaining pin.