



INSTALLATION INSTRUCTIONS

PART NUMBER	154-1209
PART DESCRIPTION	OIL CONTROL VALVE
REV DATE	12/15/2006
MACHINE MODELS	ALL SANCTION TECHNOLOGY



Basic knowledge on ALL aspects of the lane machine, including mechanical, electrical and operating software

TOOLS NEEDED:

Phillip Screwdriver 9/16 wrench Rags Crescent Wrench



TECHNICAL NOTE

Please thoroughly read the instructions prior to performing the installation of this assembly.

To avoid any potential problems, if at any time during the process you have a question, stop and contact our Tech Support department at the numbers listed below.

Please visit our growing library of videos to see if these instructions are available!



www.youtube.com/user/KegelBowling81



- Place orders with Distributor
- Maintenance reminders on phone
- Software updates
- How to videos

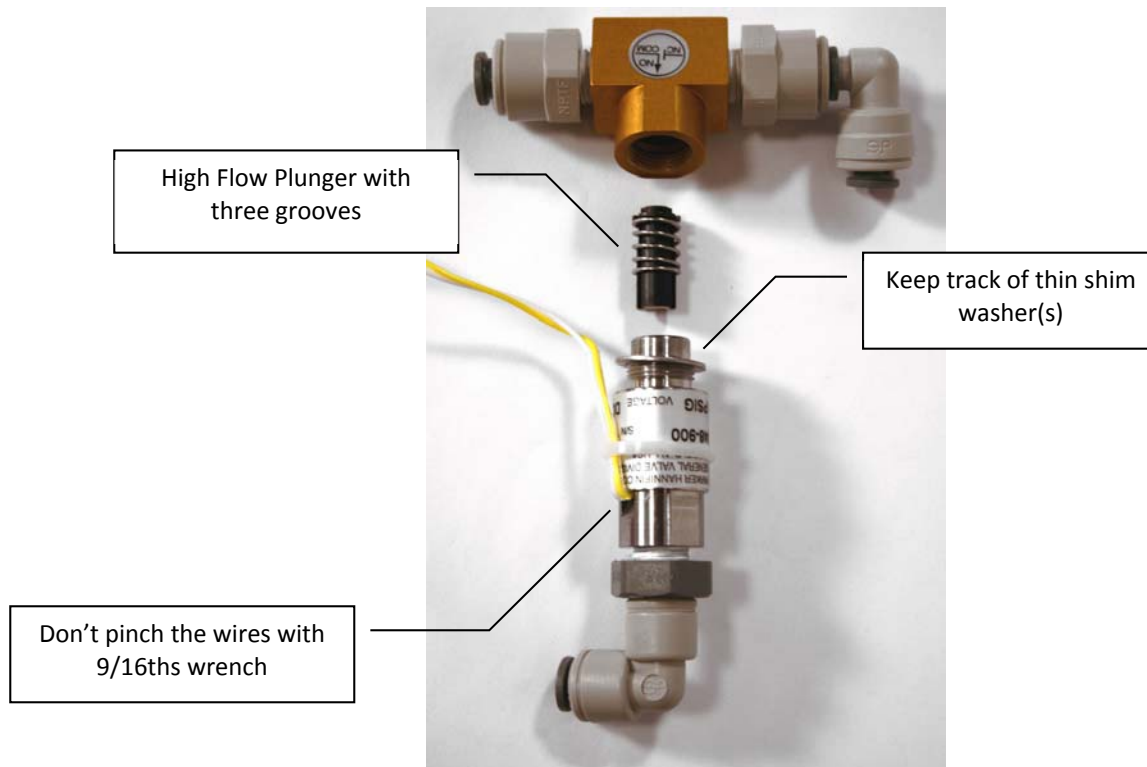
Take full control of your lane machine at My.kegel.net

Kegel's Lane Maintenance Central:
Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
via e-mail at LMC@Kegel.net
website www.kegel.net



disconnect power and place the machine in the operating down position.

1. With rags in place under the fittings, remove the hoses going to the valve and wrap the rags around the end to catch any oil that leaks.
2. Use a Phillips screwdriver to remove the two screws holding the valve to the back plate.
3. Remove the two stem elbows on the top of the valve. **PUSH IN** on the outer collet to release each elbow. Plug the open ends of the elbows to prevent dirt from entering the lines and to stop the oil from leaking (do not split the elbow).
4. Use a crescent wrench & a 9/16" open-end wrench to remove the bottom half of the valve. Do not pinch the small wires on the base of the valve. Keep track of the thin shim washers on the valve. Make sure to use the same washers during re-assembly.



- Place orders with Distributor
- Maintenance reminders on phone
- Software updates
- How to videos

Take full control of your lane machine at My.kegel.net

Kegel's Lane Maintenance Central:
Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
via e-mail at LMC@Kegel.net
website www.kegel.net



5. The top section of the valve should be blown out with a canister of compressed air. Air should flow freely from the bottom through both sides at the top. A few short bursts of canned air in both holes should displace any debris. Alcohol can also be used to remove any build-up of sediment. (Do not use an air compressor to blow out the valves; water in the lines may be forced into the manifold.)
6. The bottom section contains a plunger and spring. Make sure the three grooves on the sides of the plunger are clean. This part should be cleaned with a cotton swab and alcohol to remove the debris.
7. Replace the valve body on the head of the valve using the same shim washers.
8. Replace the valve on the back plate.
9. Plug each elbow back into the proper fitting and clean around all the connections.
10. Return the oil assembly to the machine and plug in the connections.
11. Run the * **PUMP OUTPUT VOLUME TEST**. Run this test once to clear the lines out. Then check the volume of conditioner output for a typical program and adjust the pump if necessary.



- Place orders with Distributor
- Maintenance reminders on phone
- Software updates
- How to videos

Take full control of your
lane machine at
My.kegel.net

Kegel's Lane Maintenance Central:
Within USA - 1-800-280-2695
Outside USA - +1 863-734-0200
via e-mail at LMC@Kegel.net
website www.kegel.net

