

Rancilio 3-Way Solenoid Cleaning

Before you begin his process, please read through the instructions thoroughly. Be sure to reference the parts diagram for any questions you may have regarding specific parts or part numbers. The solenoid is part #32. Make sure the machine is powered off, unplugged, and completely cooled down before attempting anything to avoid unwanted burns or other injuries.

1. Remove the drip tray and portafilter from the machine, setting these parts aside.
2. Remove the front trim panel found behind the group head. It is held in place by two Phillips head screws (one on each side). When loose, lift it up and pull the panel out from the side.

You should now see the Solenoid.

3. Unscrew the black tube (Part #33)
4. Take the wires off of the black solenoid box, making sure to mark/remember where they go. Your machine may be damaged if these wires are re-attached incorrectly.
5. Unscrew nut, and slide off the black solenoid box. It is seated around a metal tube.
6. Once the box has been removed, you will see the exposed metal shaft (usually silver in color). Unscrew this shaft via the built-in 22mm nut.
7. Once the metal shaft has been removed, you will see a spring-wrapped metal piece that resembles a glass milk jug. This metal piece will have a spring on the inside of it as well. Press inwards on either end of the metal 'milk jug', making sure the red caps on the internal spring can be compressed slightly, and that they pop back out when you let go.
8. Attach and reinstall the remaining parts in the order they were removed.
9. Turn on the machine and check water flow through the group head.

If you are still experiencing low/no flow through the group head, but you can get water out through the steam valve, you will need to replace the 3 way solenoid, or have the machine repaired. Please call us to set up a repair.

An alternate set of instructions can be found here: <http://www.1st-line.com/store/pc/3-Way-Solenoid-Valve-Cleaning-Changing-Silvia-d175.htm>