

# Solenoid Valve Cleaning

Tools needed:

Pliers, Screwdriver, Non-Chlorinated Parts Cleaner or Spray Degreaser, Shop Air

On the burner, remove the oil lines (1) from the inlet and outlet of the solenoid valve.

Loosen (do not remove) the bracket clamp screws (2) and bracket that hold the valve body in place.

Remove the C Clip (4).

Unscrew the valve stem (3) by turning it counter-clockwise. The valve body comes away from the stem and windings.

When pulling the body away from stem, the nucleus and spring (5) will come out of the stem. Take care to avoid dropping and losing the nucleus and spring. The spring fits in the upper end of the nucleus.

Inspect the brass housing (6). Clean any debris from the inlet and outlet ports.

Remove the flared fittings, clean passages and housing behind fittings, clean inside of stem & nucleus (Aerosol Brake Cleaner, Tobacco Pipe Cleaner Wire & Q-tips work well here). Rinse the brass parts and blow air through the body to clean them thoroughly.

Inspect O-ring. Replace if damaged.

Inspect the seal on the end of the nucleus to see if it is marred or damaged (7). Replace if damaged. This is where the valve seals when it is shut off.

Reassemble in reverse order of dismantling.

**Also Check the 3/16" Cu Fuel Lines & Clean with Carb or Brake Cleaner and pipe cleaner wire, if necessary.**

