



AMA274 FILL/VENT VALVE UPGRADE ASSEMBLY INSTALLATION INSTRUCTIONS

This Fill/Vent Valve Upgrade Assembly will accommodate alternate versions of the sterilizers' relay/control mounting bracket location. Sterilizers built prior to 1997 had the mounting bracket mounted closer to the reservoir. From 1997 and on, the device mounting bracket was moved closer to the rear panel.

Disassembly:

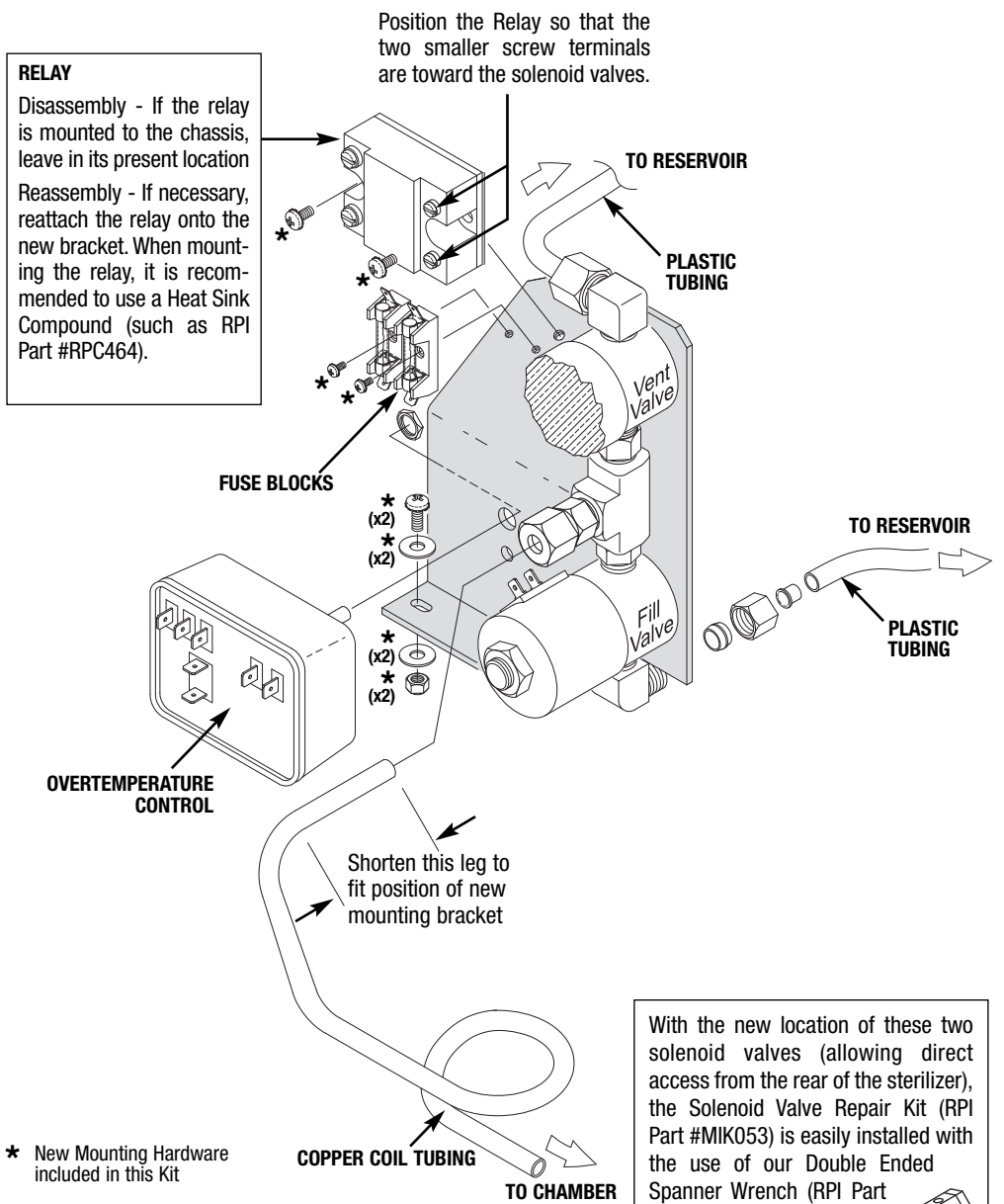
1. Disconnect the power from the sterilizer and drain the water reservoir.
2. Remove and discard the copper coil tubing (between the chamber and the fill valve). Units prior to 1991 do not have the coil in the copper tubing.
3. Disconnect the plastic tubes which connect the solenoid valves to the reservoir.
4. Disassemble the overtemperature control and the fuse blocks from the existing relay/control mounting bracket without disconnecting the wiring. If the relay is mounted to the chassis, leave in its present location. If the relay needs to be relocated onto the new upgrade assembly mounting bracket, the wiring may need to be removed (if the wires are disconnected, ensure that the wires are clearly labeled so that they are reconnected properly).
5. Remove the old relay/control mounting bracket from the sterilizer chassis, disconnect the wire terminals one at a time from each of the solenoid valves (label the wire sets from the old fill and vent solenoid valves for the easy rewiring). Remove and discard the old solenoid valve assemblies and plumbing.

Reassembly:

1. Place the new upgrade assembly bracket into its approximate location and reattach the overtemperature control and the fuse blocks. Set the rear panel into position and allow a minimal safe clearance of 1/4" between the case of the fill valve and the incoming electrical terminals. **Note:** In some cases, the mounting holes in the chassis may need to be re-drilled towards the front of the sterilizer approximately 1/2" or more depending on the model and configuration.
2. If necessary, reattach the relay onto the new bracket. When mounting the relay, it is recommended to use a Heat Sink Compound (such as RPI Part #RPC464). **Note:** Position the relay so that the two smaller screw terminals (control terminals #3 and #4) are toward the solenoid valves - see illustration to the right.
3. Assemble the compression nut, sleeve, and the tubing insert into the new plastic tubing and install onto the solenoid valve elbows and tighten. Cut the new plastic tubing to the desired length and assemble the compression nut, sleeve, and the tubing insert onto the reservoir end of the new plastic tubing and tighten. Now mount the bracket to the chassis using the provided mounting hardware.

4. Reattach the wiring to the relay terminals.
5. Install the new copper coil tubing between the solenoid valve tee fitting and the port on the chamber. The copper coil tube leg may need to be shortened due to the location of the new upgrade assembly mounting bracket. **Caution:** Make an initial cut, leaving the tubing leg longer than needed, then insert the tubing into the chamber fitting and mark the proper length for the secondary cut ensuring proper fitting engagement.
6. Reconnect the wire terminals to the fill and vent solenoid valves.
7. Installation is complete, fill the water reservoir and check for connection leaks.
8. Reconnect the power and run a test cycle looking for leaks.

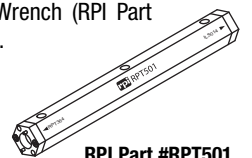
FILL/VENT VALVE UPGRADE ASSEMBLY



Replacement Parts for RPI Part #AMA274

- Solenoid Valve (RPI Part #MIS042)
- Solenoid Valve Repair Kit (RPI Part #MIK053)
- Coil (RPI Part #MIC057)
- Fuse (RPI Part #RPF060)

With the new location of these two solenoid valves (allowing direct access from the rear of the sterilizer), the Solenoid Valve Repair Kit (RPI Part #MIK053) is easily installed with the use of our Double Ended Spanner Wrench (RPI Part #RPT501).



RPI Part #RPT501