

**VALVE MANIFOLD ASSEMBLY (RPI PART #SDA048 & SDA082)
 MANIFOLD VALVE (RPI PART #SDM081)
 INSTALLATION INSTRUCTIONS**

CHECK LIST
VALVE MANIFOLD ASSEMBLY (NX) (RPI PART #SDA048) Includes: (1) Transition Valve (RPI PART #SDV046); and (1) Inlet Valve (RPI Part #SDV047)
VALVE MANIFOLD ASSEMBLY (100NX) (RPI PART #SDA082) Includes: (2) Inlet Valve (RPI PART #SDV047)
VALVE MANIFOLD (NX & 100NX) (RPI PART #SDM081) Includes Valve Replacement O-Rings; Does not include the Transition Valve or the Inlet Valve

IMPORTANT! When installing new Valves on the Sterrad NX or 100NX, transfer any wire designation from the original Valve to the replacement. This will prevent confusion later when wiring in the new Valves.

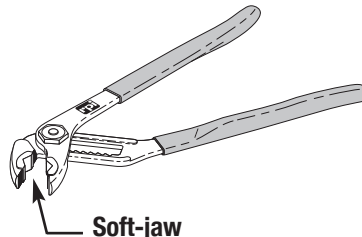
NOTE 1: Match up new O-rings (verify correct size replacement O-rings) before re-assembly.

NOTE 2: Before installation of the O-rings, lightly lubricate them using the included High Temperature Lubricant (RPI Part #RPL090),

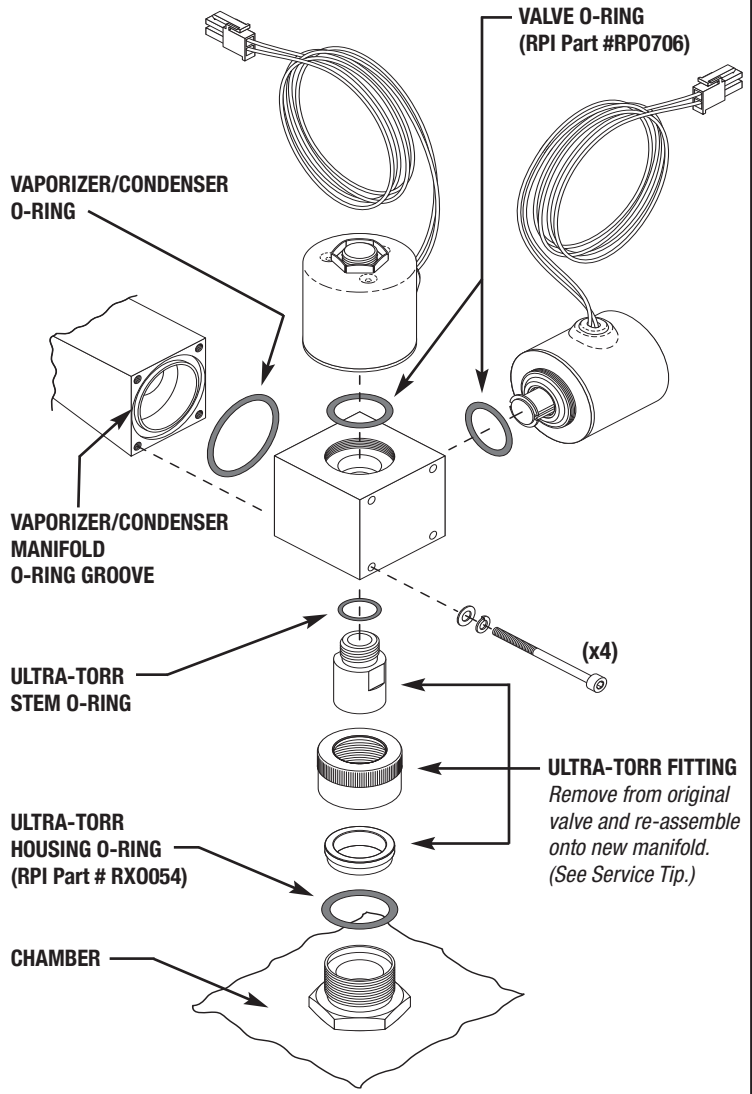
- 1) Ensure that the power to the sterilizer is turned off and that the Vaporizer/Condenser Assembly has cooled to a safe temperature before handling. Loosen and remove the insulation blanket from the end of the Vaporizer/Condenser Assembly to gain access to the Valve Manifold Assembly.
- 2) Using a 3MM Hex Wrench, remove the (4) Socket Head Screws holding the Valve Manifold to the Vaporizer/Condenser Assembly and set aside as new hardware is included in this Kit.
- 3) Before removing any wires leading to the existing Valve Manifold, write the wire numbers from the original valve onto the connector on the new Valve mounted in the same position. Disconnect the (2) Valves on the Valve Manifold from their respective connectors.

- 4) Loosen the Ultra-Torr® Fitting underneath the Valve Manifold using soft-jaw pliers (if available) and lift the Manifold up and out of the Fitting. Set the Manifold aside as it will be replaced in the Kit. Continue removing the Ultra-Torr Fitting to gain access to the O-ring. A replacement O-ring is included in the Kit. Lightly lubricate the O-ring, and install the remaining parts of the Ultra-Torr Fitting but do not tighten at this point.
- 5) Remove the Ultra-Torr Stem from the original Valve Manifold and retain for later use. Remove the O-ring from the Stem and replace with the new O-ring (lightly lubricated) included in the Kit.
- 6) Install the Ultra-Torr Stem into the new Valve Manifold Assembly ensuring that the O-ring is properly seated and the Stem is tight.
- 7) Remove the O-ring from the end of the Vaporizer/Condenser Assembly and discard. Lubricate and install the included replacement O-ring (the Lubricant should help hold the O-ring in place).
- 8) This Step applies only to the Manifold Valve (RPI Part #SDM081), otherwise, proceed to Step #9.
If reusing the original Valves from the original Manifold then remove them now, and install them on the new Manifold using the new O-rings included in the Kit. Remember to lightly lubricate the new O-rings before installing.
- 9) Install the new Valve Manifold by inserting the Stem into the loose Ultra-Torr fitting ensuring that the Stem and Valve Manifold Assembly is fully seated inside the Ultra-Torr fitting.
- 10) Using the new hardware included in the Kit, attach the replacement Valve Assembly to the end of the Vaporizer/Condenser Assembly ensuring that the O-ring is correctly seated between the two assemblies and that the hardware is uniformly tightened. Completely tighten the Ultra-Torr fitting using soft-jaw pliers (if available).
- 11) Attach the Valve Connectors to the correct mating Cables. Replace the Insulation Blanket around the Valve Manifold.
- 12) Using the software, ensure the leak tightness of the final assembly and run several cycles before returning the system to service.

SERVICE TIP
 To ensure that the Ultra-Torr Fitting is tightened correctly to avoid leaking, use a set of soft-jaw pliers such as the RPI Part #RXT005 Pliers shown here.



EXPLODED VIEW OF VALVE MANIFOLD ASSEMBLY



Reminder: Before installing the Ultra-Torr stem and housing O-rings, and vaporizer/condenser O-ring, lightly lubricate them using the enclosed O-ring Lubricant (RPI Part #RPL090).