



M9® and M11® Heater Element Kit

M9 002-10868-00 115 VAC

M11 002-10867-00 115 VAC

M11 002-10867-01 230 VAC

Applies to Models:

M9 (-050/-053)

M11 (-050/-051/-053)

Special Tools:

T25 Torx Screw Driver



WARNING

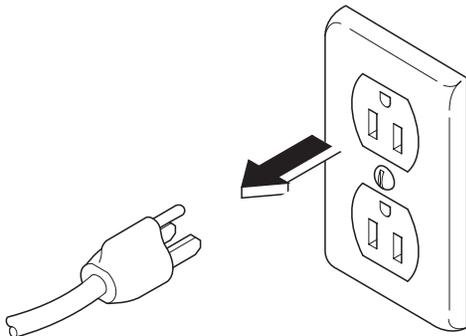
To prevent risk of shock always disconnect power before removing covers or performing any service procedure.



WARNING

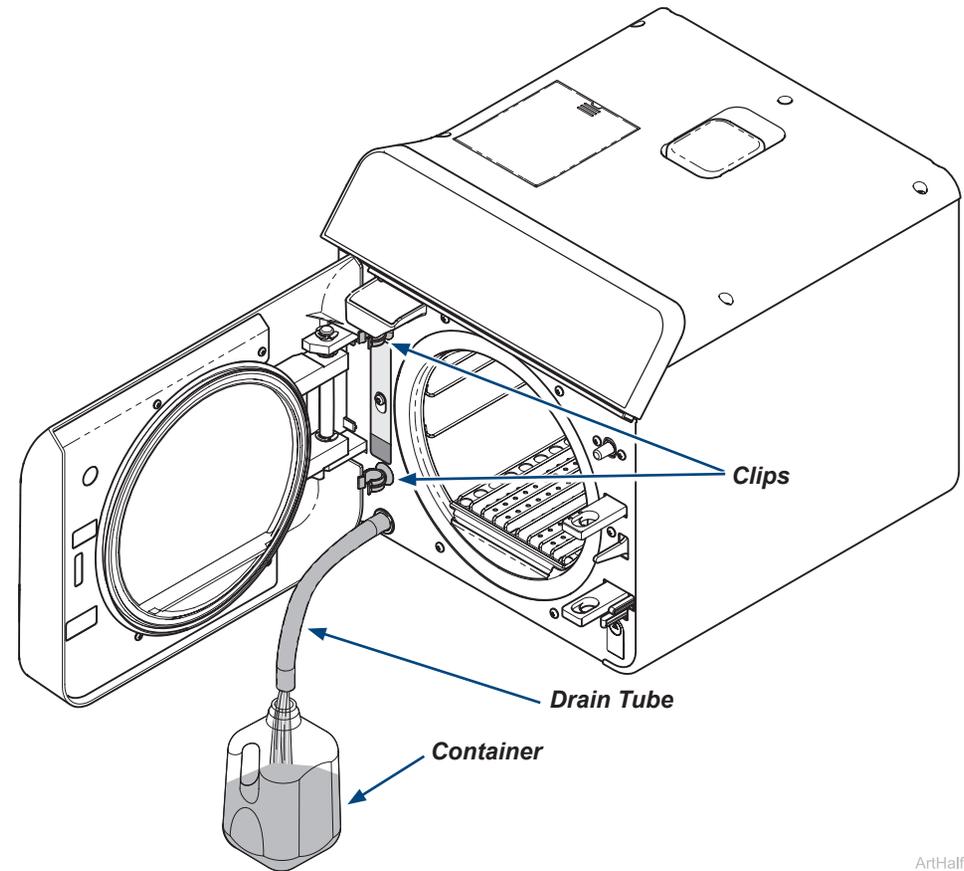
Allow to cool to ambient / room temperature prior to removing cover. Release pressure by pulling ring of pressure relief valve if necessary.

Step 1: Disconnect power.



Step 2: Drain water from reservoir.

- A) Disconnect the drain tube from the clips.
- B) Bend tube downward and drain reservoir into a suitable container.



ArtHalf

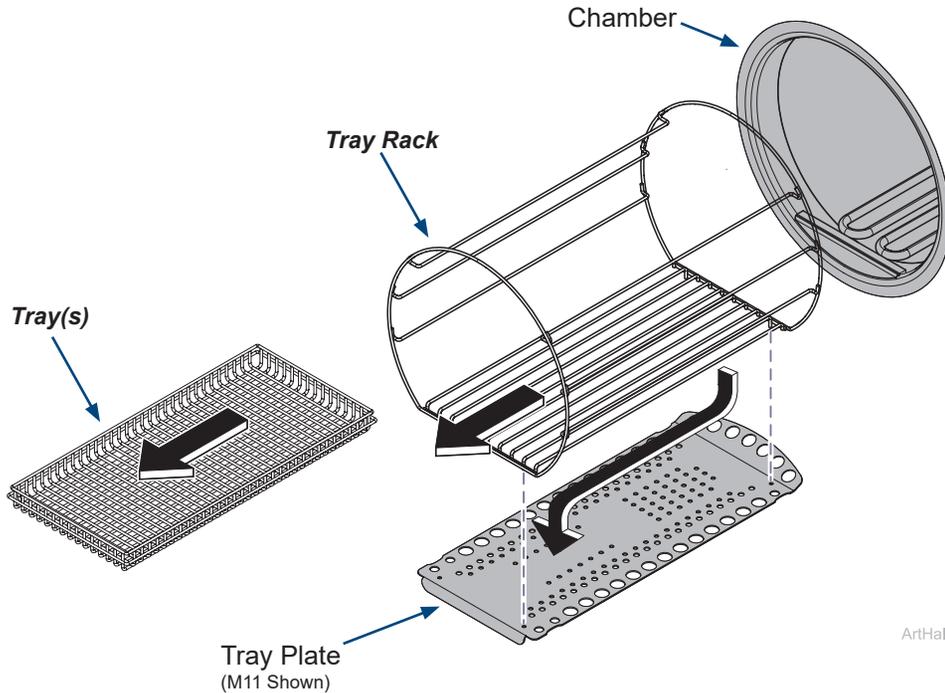


WARNING

Allow unit to cool before removing or installing tray rack and plate.
Handle metal tray rack carefully to avoid injury. Do not run sterilizer without tray plate in place.

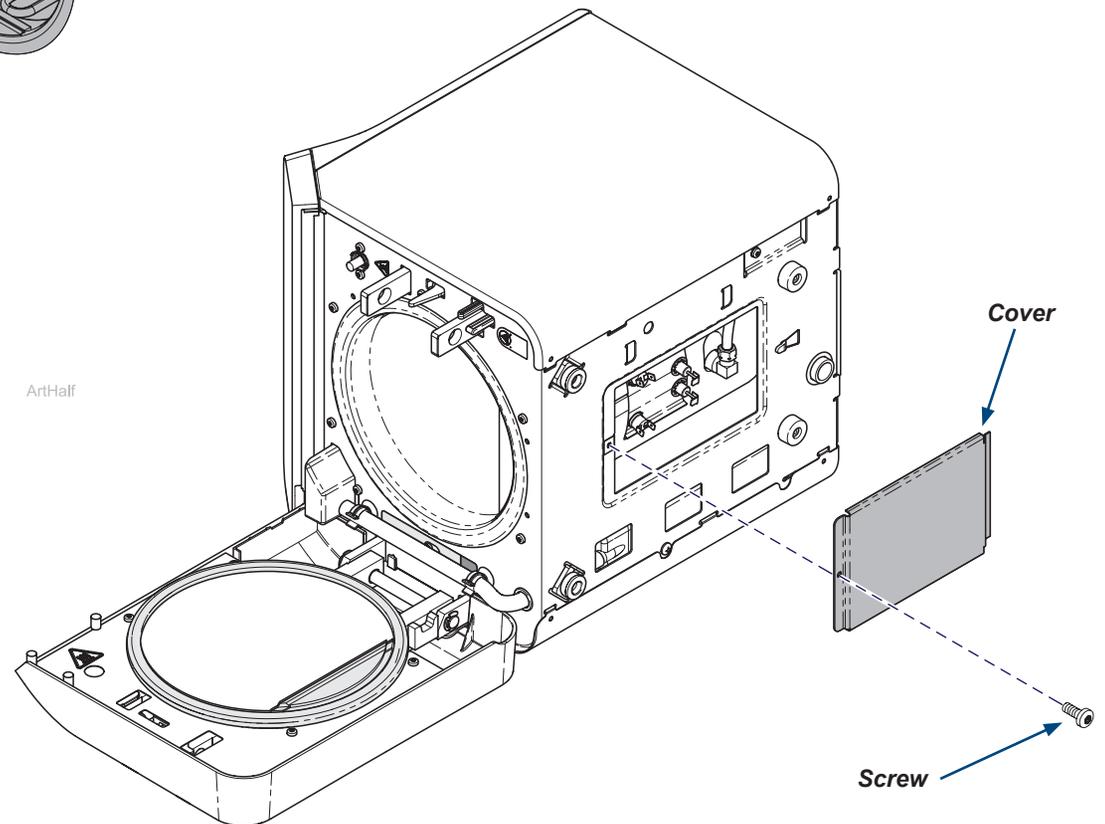
Step 3: Remove tray rack and plate.

- A) Remove trays.
- B) Pull tray rack and tray plate straight out of chamber then separate them.



Step 4: Remove inspection cover.

- A) Carefully lay sterilizer onto Left side.
- B) Remove screw.
- C) Remove inspection cover.



Step 5: Remove Heating Element and Gaskets...

- A) Tag and disconnect two wires from heating element.
- B) Remove two mounting nuts, lock washers, brass washers, and thermostat bracket.
- C) Remove heating element and gaskets from chamber and discard.

Note

It may be necessary to straighten heating element terminals slightly from present 90° position to approximately a 10° straighter position.



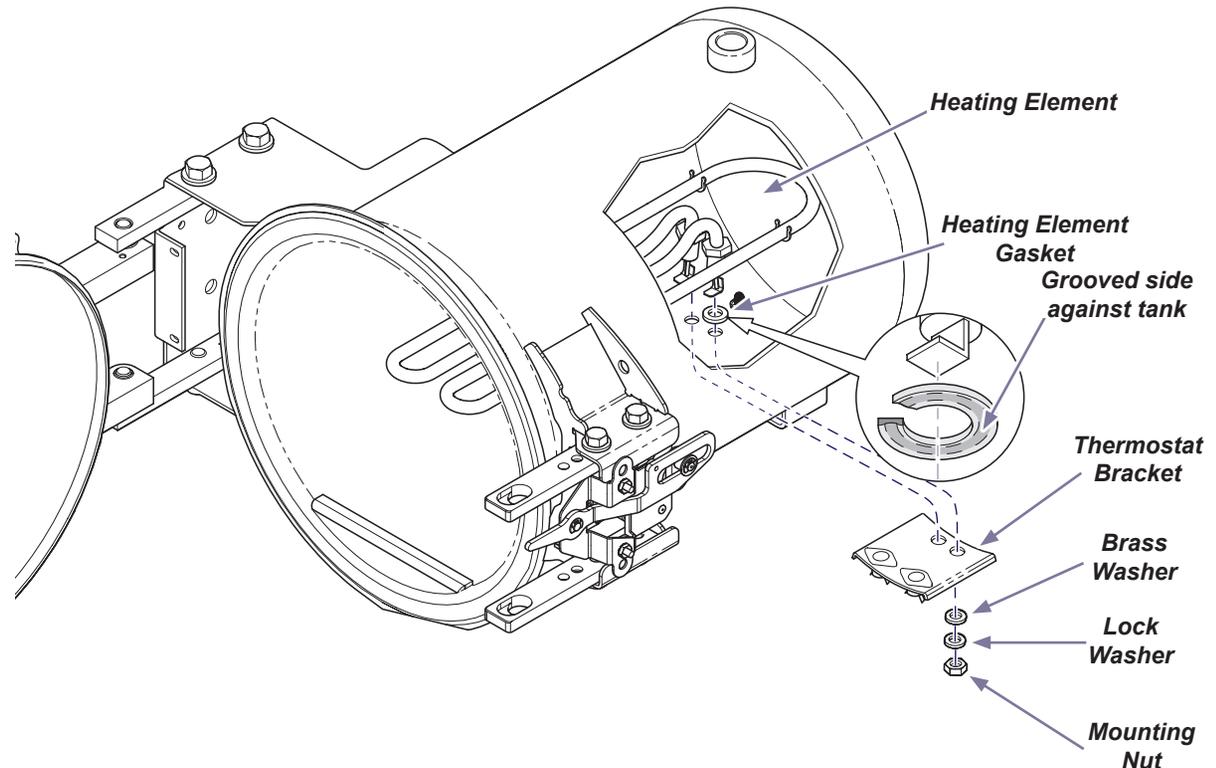
Equipment Alert

Over bending heating element terminals may result in broken or cracked terminals.



Equipment Alert

Hold heating element firmly in position while tightening mounting nuts, or damage and improper positioning of heating element may result. Do not overtighten nuts! Torque to 18 Nm (13.25 ft lb).

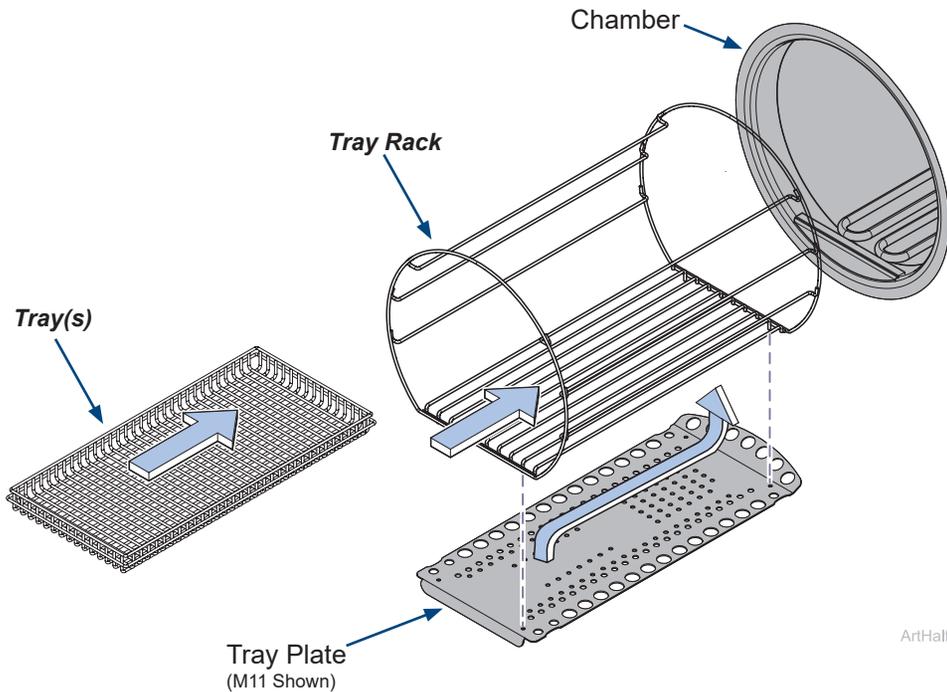


Step 6: Install Heating Element and Gaskets...

- A) Clean gasket contact surfaces of chamber with Speed-Clean and a (non metallic) abrasive pad.
- B) Slide new gaskets onto new heating element and position heating element in chamber. Ensure the grooved sides of gaskets are against the tank wall.
- C) Position thermostats, thermostat bracket and insert brass washers and lock washers on to heating element terminals. Hand tighten mounting nuts.
- D) Confirm heating element is parallel to the chamber and level. Tighten mounting nuts with torque wrench to 18 Nm (13.25 ft lb).
- E) Bend heating element terminals slightly, back to their original 90° position.
- F) Attach two wires to heating element and install inspection cover.
- G) Turn sterilizer upright.

Step 7: Install tray rack and plate.

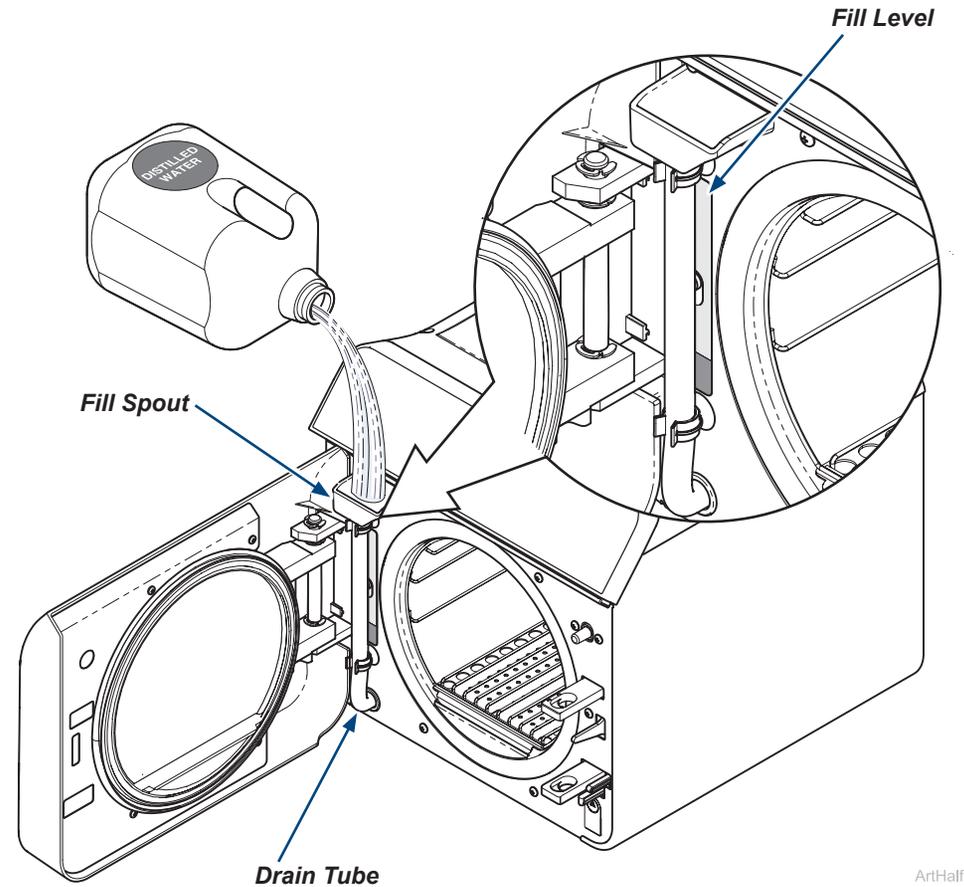
- A) Insert tray rack back onto the tray plate.
- B) Install tray rack and plate with curved end of tray plate tipped upward and toward back of the chamber.
- C) Re-install trays.



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Step 8: Add water to reservoir and run a test cycle.

- A) Pour distilled water into fill opening until water level reaches top of the fill level.
- B) Run a test cycle and check for leaks.



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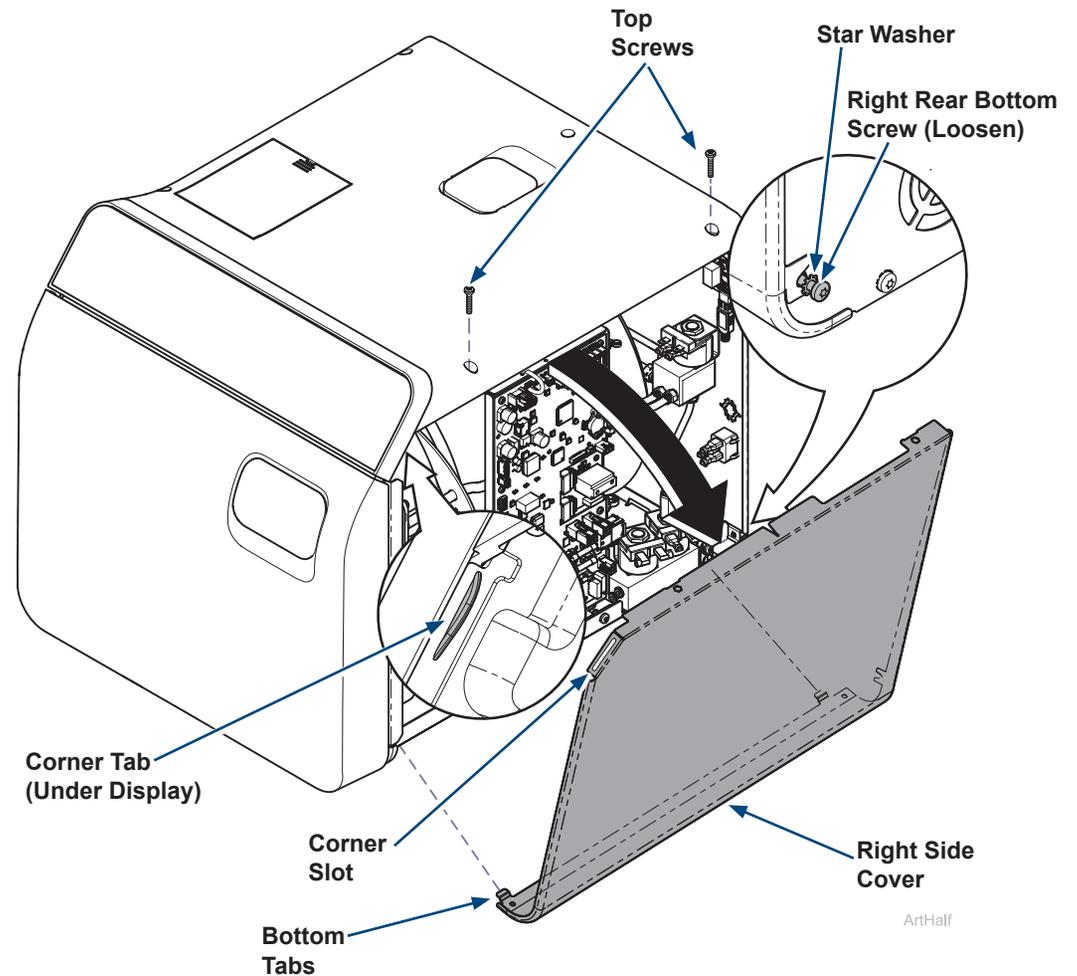


Equipment Alert

Use distilled water or water that meets referenced water purity specifications in the User Guide. Failure to comply may result in sterilizer malfunction and/or premature failure due to excessive corrosion.

Step 9: Remove right side cover.

- A) Remove top two right side screws and loosen right rear bottom screw.
- B) Pull corner tab out of corner slot and rotate top of side cover down to free bottom tabs from base of sterilizer.



WARNING

The following procedure requires power to be connected with covers removed. Line voltage is present. Use extreme caution to prevent electric shock.

Step 10: Test for leaks.

- A) Connect power, run test cycle and check for leaks.

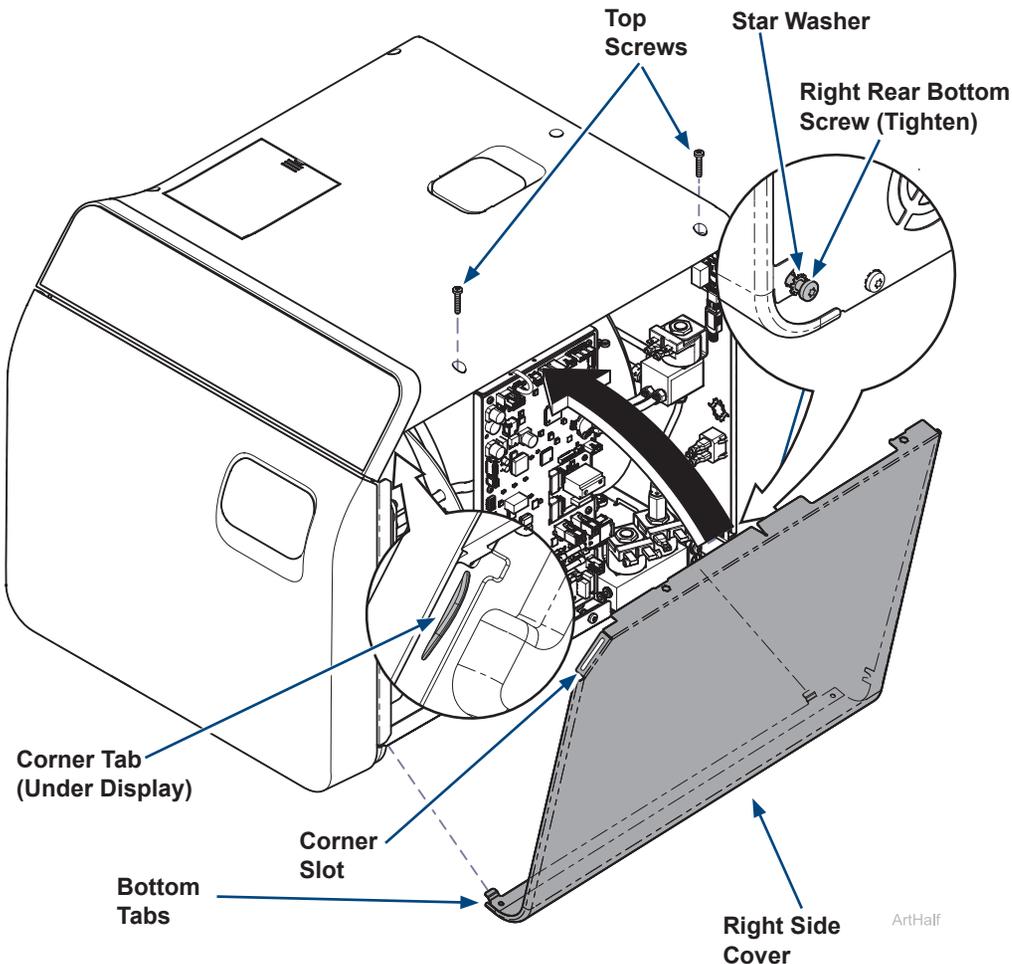
Step 11: Install right side cover.

- A) Insert bottom tabs of right side cover into base of sterilizer.
- B) Rotate top of side cover up into position and snap corner tab into corner slot.
- C) Install top two right side screws and tighten right rear bottom screw.



WARNING

For effective grounding make sure star washer is located between screw head and tab of side cover when tightening right rear bottom screw.



Step 12: Qualification Testing.

- A) Qualification Testing Cycles should be run after this repair is completed. (Refer to the user guide for details.)

If the sterilizer is connected to Smart View, a Request Qualification Testing should be setup on the sterilizer display following the below steps:

- Press the Menu Button .
- Select Settings.
- Select Service.
- Select Troubleshooting.
- Select Qualification Testing.
- Select Request Qualification Testing.
- Select Yes, Request Qualification Testing.

Note: Once qualification testing has been requested, this page will track testing status. The user interface will ask the user if the cycle they are attempting to run is a qualification cycle until the three (3) qualification cycles are completed.