ALL AMERICAN PART #50X240VCBA / #75X240VCBA

Control Box

The control box holds the heat dial, switch and thermal cut out on electric sterilisers. Have the serial number ready, it sits beside the on/off switch.

Fits: 50X and 75X electric sterilisers (120V and 240V boxes are not interchangeable)

TOOLS NEEDED
#1 Phillips screwdriver
#2 Phillips screwdriver
Flat screwdriver
Needle nose pliers
5/16 in socket
3/4 in combination spanner

⚠ **Electrical work.** Unplug before starting. All American recommend factory fitting, and parts not fitted by the factory void the warranty.

Remove the old control box

1. Unplug the steriliser before you start.

   ⚠ **Warning:** Risk of electric shock if it is still plugged in.

2. Take the lid off and turn the base upside down on a table so you can reach the control box. Undo the screws on the control box cover plate, turning anticlockwise with the 5/16 in socket.



3. Pull the control knob straight off with your fingers.

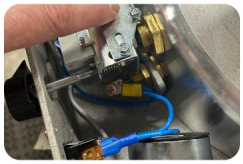


4. Undo the 4 screws holding the dial plate, turning anticlockwise with the #1 Phillips screwdriver.

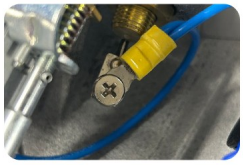


5. Loosen the 3 screws on the thermal switch plate anticlockwise with the flat screwdriver. You do not need to take them out. The plate can now slide across.





6. Remove the screw holding the blue lead wire to the heating element. Hold the wires with the needle nose pliers so they do not twist, and undo the screw with the #2 Phillips screwdriver.

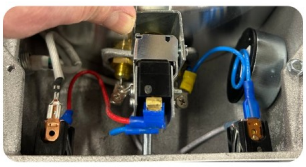




   ⚠ **Warning:** If the element connector bends while you undo the screw, gently bend it back to its original shape with the pliers.

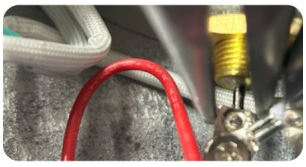
Remove the old control box

7 Rotate the thermal switch clockwise to reach the white lead wire on the heating element.

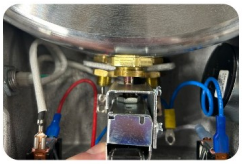


8 Remove the screw holding the white lead wire to the heating element. Grip the connector with the pliers and undo the screw anticlockwise with the #2 Phillips screwdriver.

> ⚠ **Warning:** If the element connector bends while you undo the screw, gently bend it back to its original shape with the pliers.



9 Undo the 2 nuts holding the control box on, turning anticlockwise with the 3/4 in spanner.





10 Pull the control box away from the base.

> ⚠ **Warning:** Take care not to bend the thermal switch, or the box will be hard to refit.



Fit the new control box

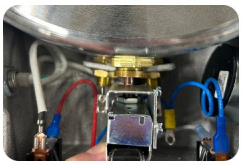
11 Fit the control box, guiding the thermal switch into its well without damaging it.

> ⚠ **Warning:** A bent or damaged thermal switch makes the box very hard to refit.



12 Fit the 2 new brass nuts on the ends of the heating element and tighten clockwise with the 3/4 in spanner.

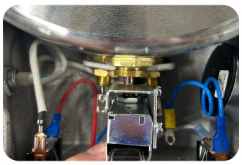
> ⚠ **Warning:** These nuts only hold the control box on. Do not overtighten.





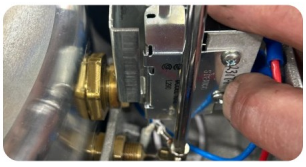
13 Attach the blue lead wire to the heating element with the new screws supplied, using the needle nose pliers and the #2 Phillips screwdriver.

> ⚠ **Warning:** If the element connector bends while you undo the screw, gently bend it back to its original shape with the pliers.





14 Rotate the thermal switch back and attach the white wire the same way as the blue wire in step 13.



Fit the new control box

15 Slide the thermal switch plate back across so its edge sits in the groove on the brass nut. With the flat screwdriver, tighten only the 2 screws that hold the plate in place.




16 Rotate the thermal switch until it stops. Turn the locking screw clockwise until it stops, then only a further 1/4 to 1/2 of a turn.

> ⚠ **Warning:** Do not overtighten. This screw only stops the thermal switch rotating out of position.



17 Refit the dial plate with its 4 screws, turning clockwise with the #1 Phillips screwdriver.



18 Line up the two flat edges and push the knob on with your fingers only.



19 Refit the control box cover plate screws, turning clockwise with the 5/16 in socket.



20 Follow the All American operating instructions to set up and run a test cycle, and confirm the steriliser works correctly.

> ⚠ **Warning:** If anything does not seem right, take the steriliser out of service and contact Rootlab on 1300 386 487.

