

TECH TIPS

Service Call:

Generators: T25-T360

Main breaker trips as soon as the on/off toggle switch is turned to the on position.

Tools Needed:

Phillips Screwdriver, 9/16" socket wrench or 10mm socket wrench and Multi-meter

Model:

T25-T360



Tech Tips Safety Rules



Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

Step 1

Caution: The engine should not be running while performing these tests.

Make sure that the emergency stop button is pulled out and then flip the on/off toggle switch to on and check if the main breaker trips. Proceed to step 2.



Step 2

Check that distribution side door is closed and is engaging the door safety switch. If the door is not closed, close it, and follow step 1 again. If the breaker does trip, go to step 3.



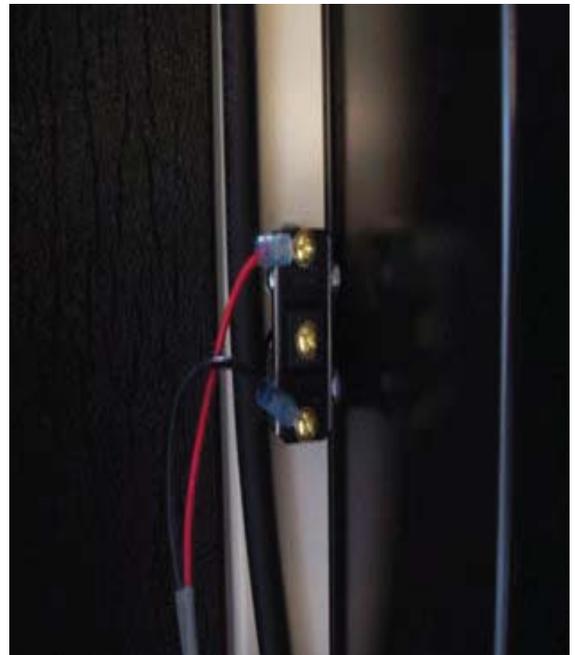
Step 3

Use 9/16" socket wrench or 10mm socket wrench depending on generator model to remove the rear or the cabinet to expose the door safety switch.



Step 4

Remove the wires from the back of the door safety switch with the Phillips screwdriver and check the switch with the multi-meter. The switch should show continuity when it's not engaged and no continuity when it is engaged. Check continuity between the top and bottom screw. Replace the switch if it doesn't work properly, if it does proceed to step 5



Step 5

Open the top control panel and remove the red wire from terminal 12, also remove the yellow wire along with the black wire from terminal 14 on the over-current relay. Follow the instructions in step one again. If your breaker doesn't trip you will need to replace the over-current relay. If it does, you will need to replace the main breaker.

