

TECH TIPS

Service Call:

**TZ50 Bi-Energy alternator not charging
Alternator excite circuit wiring update
Install kit part number 826441 Before
serial number TZ5013-612**

Tools Needed:

10mm, 1/2" & 7/16" sockets and ratchet
1/2" & 7/16" wrench
Phillips screwdriver
Small flat blade screwdriver
Wire cutters
Multimeter

Model:

TZ50 with Bi-Energy



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.

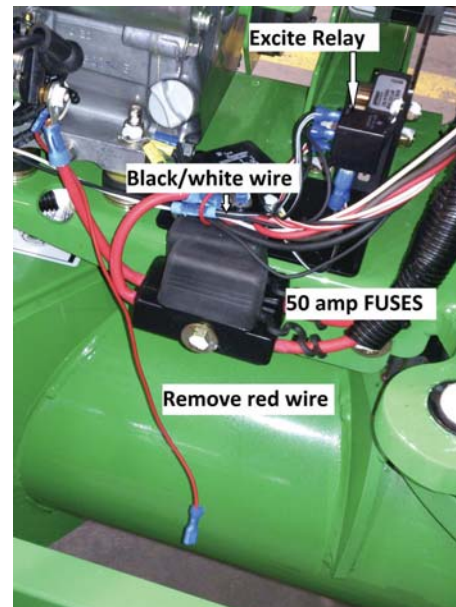
Do Not Perform Maintenance Unless:

- 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.

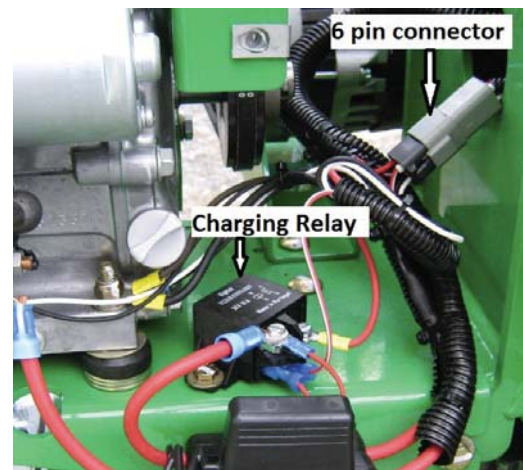
Step 1

1. Remove the both 50 amp fuses from the fuses holder and the engine cover. For units that do not have the excite relay go to step 2.
2. Remove the small red starter solenoid wire that goes to the exciter relay. Reinstall the nut and large battery cable on the solenoid.
3. Locate the black/white wire on the excite relay and follow it to the blue butt splice on the black starter wire.
4. Cut the black/ white wire at the blue butt splice and tape the splice.
5. Locate the black ground wire on the excite relay and remove it from the engine ground bolt.
6. Disconnect the white/red wire that goes from the excite relay to the alternator .
7. Remove and retain the excite relay bracket bolts.
8. Discard the excite relays and bracket.
9. Reinstall the charging relay.



Step 2

1. Disconnect the 6 wire connector at the chassis harness near the alternator.
2. Using a small flat blade screwdriver, remove the green terminal lock from the connector, press the locking tab and remove the red wire.
3. Disconnect the 4 wire alternator connector and discard the connector and wires.
4. Connect the 2 wire alternator connector from kit part number 826441.
5. Insert the red wire into the 6 pin connector and reinstall the green terminal lock.

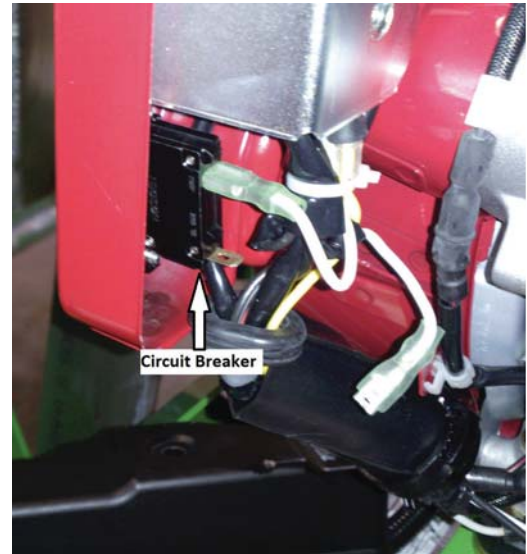


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Step 3

1. Remove the key switch cover from the Honda engine.
2. Route the white/red wire from the alternator connector through the grommet at the Honda engine key switch cover.
3. Disconnect both white wires from the circuit breaker. Using a multimeter, locate the white wire that has continuity to the positive starter post and tape the connector. This wire is unused.
3. Reinstall the remaining white wire on the top post and connect the white/red wire from the alternator to the bottom post of the circuit breaker.
4. Reinstall the key switch cover.



Step 4

1. Reinstall the fuses.
2. Start the engine and check the alternator for proper operation.
3. Reinstall the engine cover.

If you need further assistance call
Genie Product Support at
1-800-536-1800

