



CHARGE CIRCUIT RELAY KIT 32597-SK

There have been field reports of the charge circuit 50 amp relay showing signs of heat on the terminals resulting in relay failure. Indicators of heat may also be present on the high current conductors for the relay contacts. In the event the relay fails the operator will experience conditions consistent with a low or dead battery due to the circuit not allowing proper battery charging.

Production Change Action:

- Wire gauge size was increased to 10 awg
- Changed to 80 amp relay to handle higher current.

Production Change Begins with Serial Number: *RH0209020* Date: *08/2015*

All battery charging issues should be inspected for failure of the existing 50 amp relay and signs of heat on the relay terminals and its high current carrying conductors. If it's found there is an issue, the circuit can be improved to meet current production by ordering and installing service kit MQ P/N **32597-SK**.

HHN Relay Service Kit - MQ Part Number: **32597-SK**

Kit includes the following:

- 10 awg wire harness – MQ Part Number: Wire harness is not sold separately
- 80 amp relay – MQ Part Number: **32594**

IMPORTANT: The existing 50 amp relay will no longer be available, if needed use the P/N **32597-SK** kit.

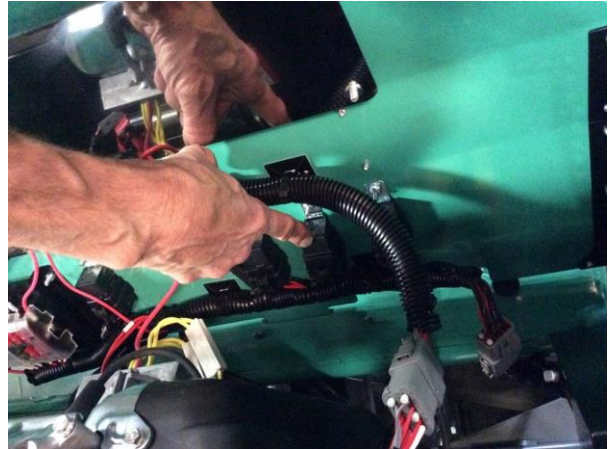


See installation instructions on next page

INSTALLATION INSTRUCTIONS

CAUTION: Take all the necessary precaution prior to installation

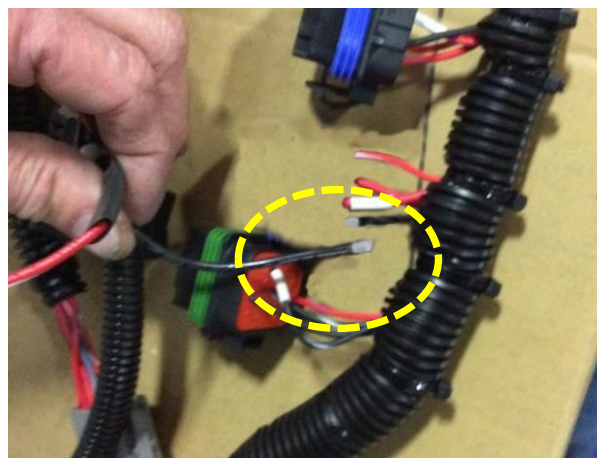
1. Disconnect the battery cables.
2. Remove the front panel and locate the 50 amp charge relay. The charge circuit relay is the one on the middle and noticeably the largest one.



3. Cut all 4 wires close to the relay base. Strip the black and red with stripes wires. The solid red wires will not be reused, secure them out of the way by taping them down.



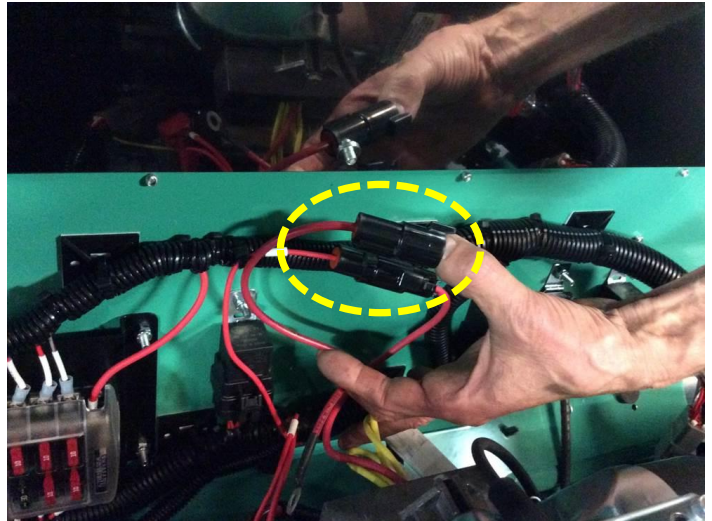
4. Use a butt connector to connect the black wire from the service kit to the black wire on the wire harness and heat shrink for insulation.



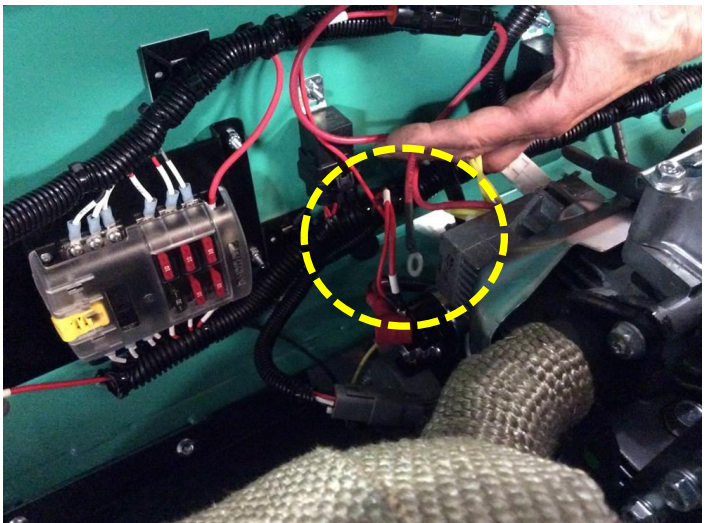
5. Follow the previous step to connect the red with white stripes together.



6. Unplug connector from the voltage regulator and plug in the new one.



7. Unhook the red wire labeled (T1) from the starter and connect the new wire.



8. Mount the new relay to the panel. Reinstall the front panel back to the machine.
9. Reconnect the battery cables.
10. Start the unit and check the voltage from the battery. Should read above 13.5 Volts