THERMO KING

Service Bulletin

SB2017

Date: July 28, 2026

Subject: TriPac 3 MAC and RIO Fuse Replacement

Location: e-Tech Library

Units: TriPac 3 units built before August 2026

Caution: Verify battery is disconnected while performing this procedure.

Description: TriPac 3 units built before August 2026 may experience corrosion or failure at the MAC (40A) and RIO (50A) input power fuses. Thermo King has introduced a new harness with sealed fuses. Follow the procedure below to install the new harness with sealed fuses.

Labor Time: .5 hours. IRIS Job Code 05289 and TAVANT Code EE-185-497 DD-0100-QT

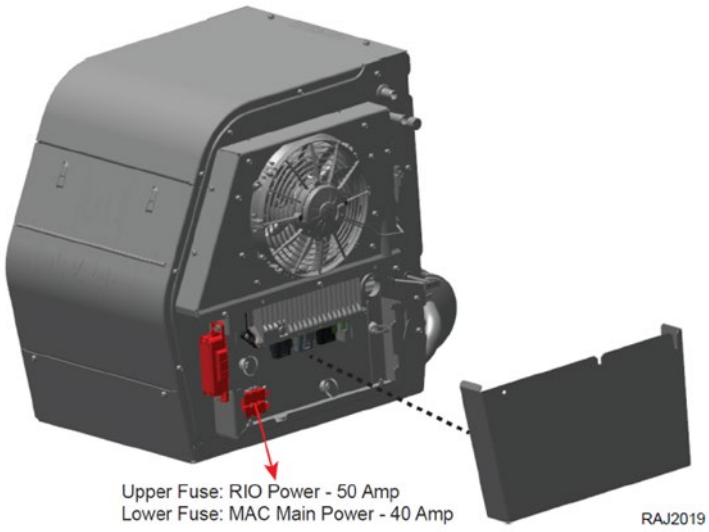
Parts Required: 401941 KIT – harness with sealed fuses.

Tools Needed:

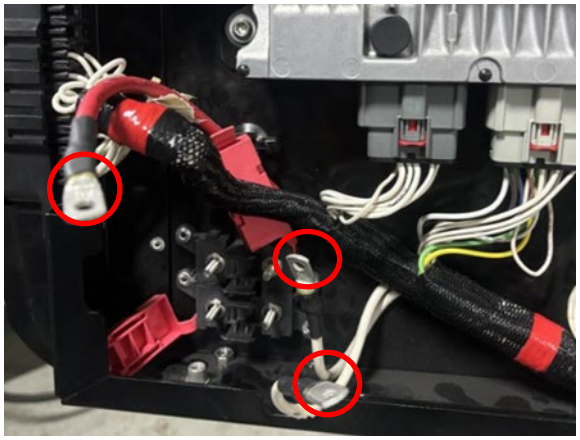
1. Primary Tool TE Connectivity/ AMP Brand - PN: 69355, see picture on page 5.
2. Optional Tool Westward - PN: 13H895, see picture and setup on page 5.
3. Heat gun.
4. Wire stripper for 8 AWG.
5. Wire cutter.
6. Drill bit 5/32.

Service Procedure:

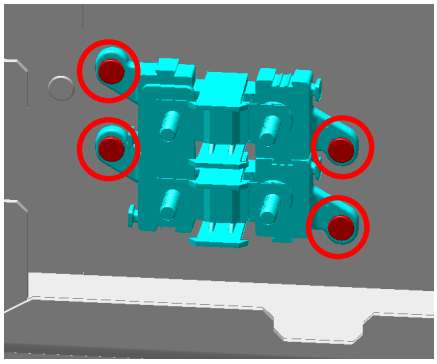
1. Disconnect the battery.
2. Remove the RIO cover.



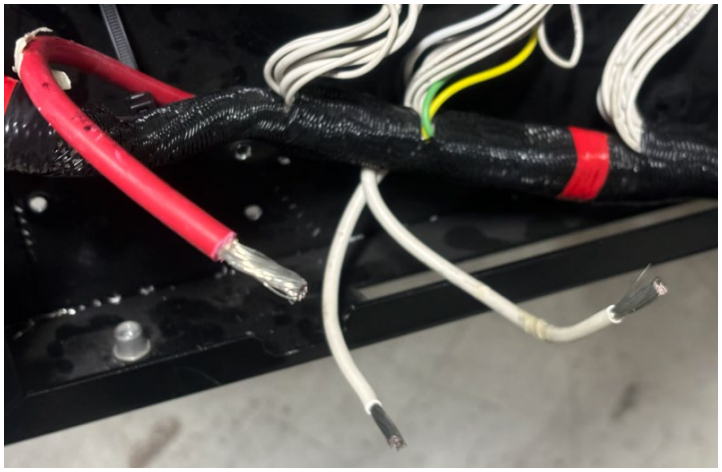
3. Remove the three lugs from the fuse holder.



4. Drill out the four rivets securing fuse holder to frame and discard it.

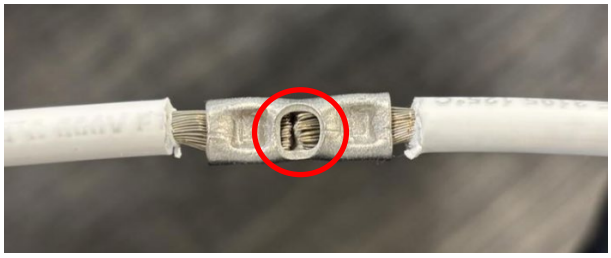


5. Cut the three lugs from the harnesses in the location shown below. Remove ½ inch of insulation on the three harnesses.



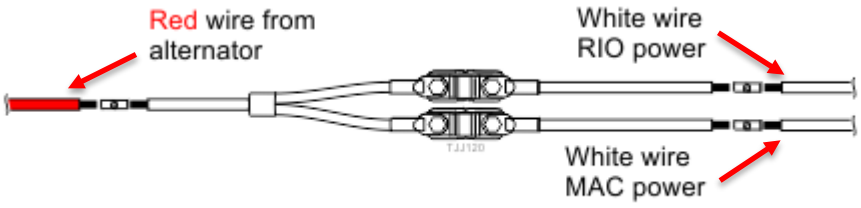
6. Insert the three heat shrinks (two inches long each) prior to adding splice to each of the three wires.

7. Insert splice onto harness. Verify the wire appears in the inspection window shown to the right.



8. Crimp the splice. Repeat on the remaining two wires.

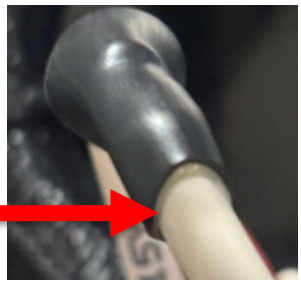
9. Connect and crimp red wire from alternator to fuse.
10. Connect and crimp white wire from RIO power to fuse.
11. Connect and crimp white wire from MAC power to fuse.
12. Perform a firm pull test to verify the wire is secure. Look through the inspection window so that the conductor remains fully seated and has not moved.



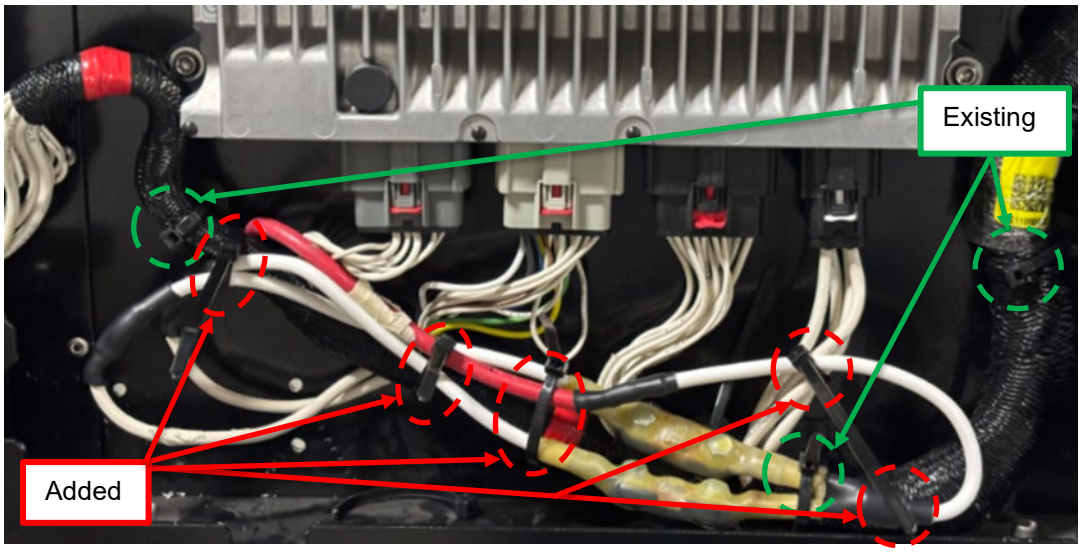
13. Slide the heat shrink over the Three splices. Verify that the heat shrink covers all the exposed wire and the splice.
14. Use a heat gun to shrink the heat shrink for all splice connections.

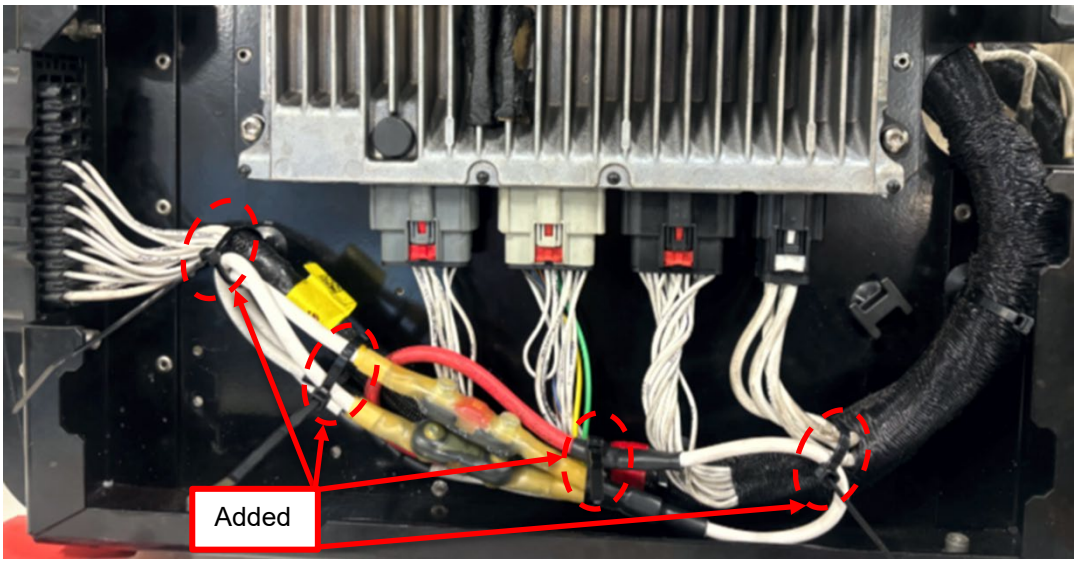
Note: It is very important to get a tight seal from heat tube to wire. If seal is not sealed correctly reheat with heatgun, squeeze heat shrink and verify there is uniform bead of glue protruding from the joint.

Verify that a uniform bead of glue is protruding from the joint, matching the reference image.



15. Using cable ties secure the cables appropriately to prevent rubbing. Depending on which harness you have, see below pictures for correct example to secure harness.



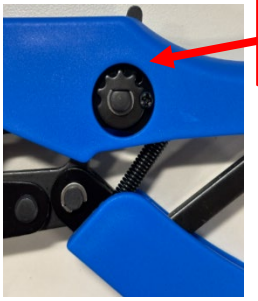


16. Reinstall the RIO cover.
    a. Torque spec 6.7 Ft-Lbs.
17. Reconnect the battery and verify operation.

Primary Crimp Tool TE Connectivity/ AMP Brand - PN: 69355

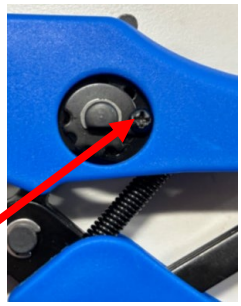
Optional Crimp Tool Optional Tool Westward - PN: 13H895

Note: To get correct crimp pressure on splice, adjust tool setting as shown below.



Remove screw

Rotate dial so teeth are pointed down



Install screw