



Thor Motor Coach Recall Repair Instructions

Recall #	20V-498 2020-389		
Description/Title:	Firefly G9		
Affected Product Line(s):	Certain model year 2019-2021 Hurricane & Windsport motorhomes		
Service Campaign # :	RC000203	Released Date:	10/20/2020
Repair Code:	Model years 2019 & 2019.5 TMCRC80494V Model years 2020 & 2021 TMCRC80495V	Document Date:	10/20/2020
Time Allowed:	Model years 2019 & 2019.5 0.5 Model years 2020 & 2021 0.4	Document Revision:	A

Issue:

The motorhomes included in this recall population were manufactured with a Firefly Integrations electronic control center that contains a defective G9 control circuit board. When the G9 control board is subject to a voltage load greater than 17 volts, components on the board may become damaged. The damaged components allow continuous conduction, which can result in thermal flammability.

Parts Required:

2019 & 2019.5 model year motorhomes – **TMC Recall Kit #0483450**
Includes G9 Protection Module & Harness

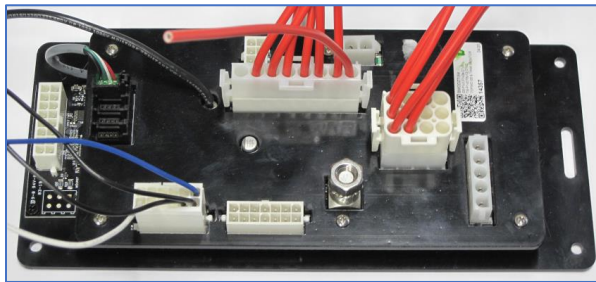
2020 & 2021 model year motorhomes – **TMC Recall Kit #0483451**
Includes G9 Protection Module & Harness with terminal post

Tools Needed:

- Wrench set
- Torque wrench with ½” socket
- Wire strippers
- Heat gun
- Screwdriver/screw gun

G9 Protection Module – Installation Instructions

The following service technician instructions are for the installation of the **G9 Protection Module** to comply with the National Highway Transportation Safety Association (NHTSA) product safety recall. The G9 Protection Module will provide overvoltage protection for the G9 Electronic Control Module (ECM).



G9 Electronic Control Module (ECM)



G9 Protection Module

The G9 Protection Module is to be installed onto the G9 ECM with the following three steps:

Step 1 – Shut off the battery disconnect at the entry door.

Step 2 Access the G9 ECM – *(This is located behind the breaker box.)*

Step 3 – Install the G9 Protection Module



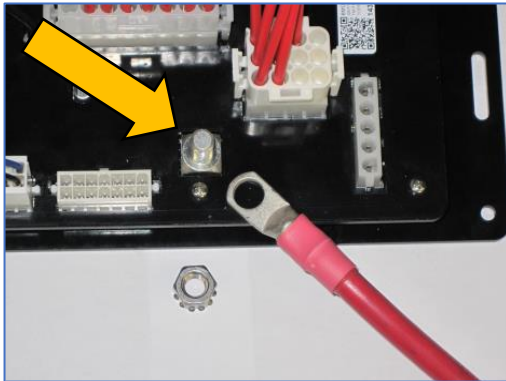
(3.1) Power off system by turning the Main Power Switch to the off position (located just inside the entry door).

NOTE:

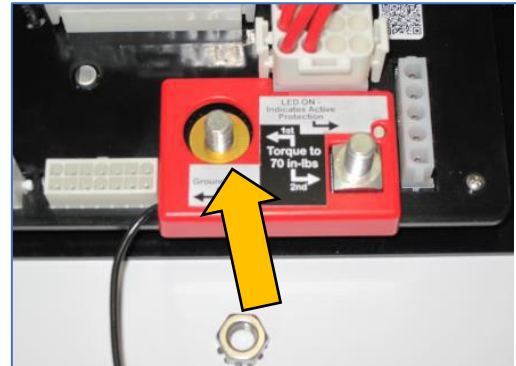
Model Year 2019/2019.5 will have rocker switch

Model Year 2020/2021 will have rotary disconnect switch

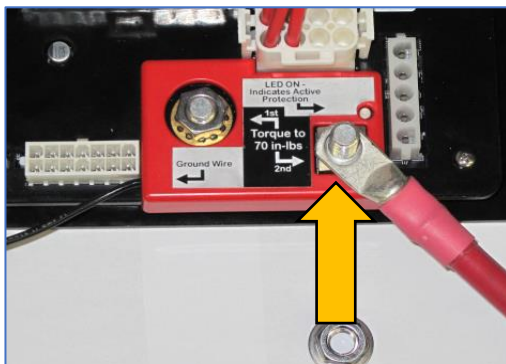
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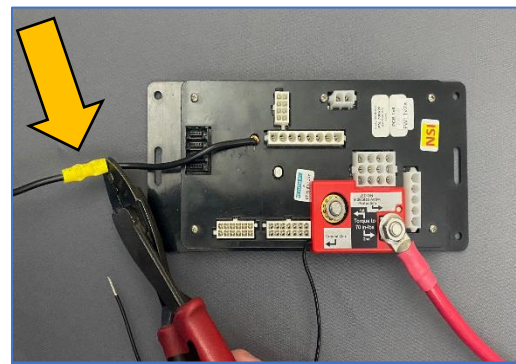
(3.2) Remove the external tooth washer nut and existing power cable from the G9 ECM power input stud.



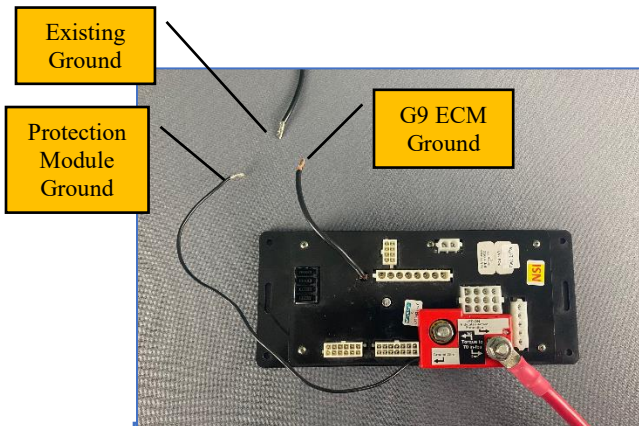
(3.3) Attach G9 Protection Module onto the G9 Power Stud with external tooth washer nut and torque to 70 in/lbs.



(3.4) Install power cable onto G9 Protection Module stud with provided nut and torque to 70 in/lbs.



(3.5) Locate existing G9 ground wire connection and disconnect or cut wire.



(3.6) Strip each ground wire at least 10mm and splice the G9 ECM Ground, the Protection Module Ground and the Existing Ground wire together with provided yellow wire nut.



(3.7) Turn on Main Power Switch and verify that the LED illuminates.



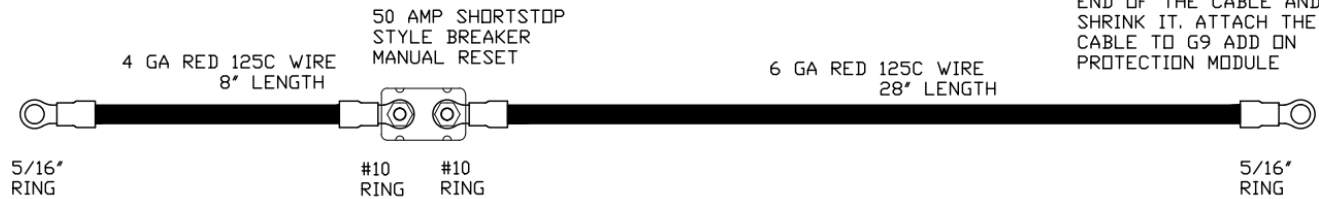
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Please see the additional instructions below to install the recall harness based on model year:

2019 AND 2019.5 UNITS

REMOVE 5/16" NUT FROM DISCONNECT TERMINAL THAT HAS THE 6 GA RED WIRE FROM BATTERY DISCONNECT TO G9 BOARD. ADD THIS CABLE AND REPLACE THE NUT

REMOVE THE RED 6 GA. CABLE FROM THE G9 BOARD. CUT THE TERMINAL OFF AND APPLY THE INCLUDED HEATSHRINK OVER THE CUT END OF THE CABLE AND HEAT SHRINK IT. ATTACH THE NEW CABLE TO G9 ADD ON PROTECTION MODULE



2020 & 2021 UNITS

