

TSB #	TSB 19-03		
Description/Title:	Emergency Start Battery Cable Hook-up		
Affected Product Line(s):	Certain 2020 Model Year 22HE & 22FE Freedom Elite motorhomes		
Service Campaign # :	RC000175	Released Date:	9/20/2019
Repair Codes:	Repair: TMCTS80256W	Document Date:	9/20/2019
Time Allowed:	Repair: 0.5	Document Revision:	A

Issue:

Battery cables on the e-start solenoid for chassis battery and coach battery may be reversed, which will not allow the chassis to charge the coach battery with engine running.

Instructions:

1. On a motorhome with a Chevy chassis, the e-start solenoid is on the passenger side inner fender (Figure 1, 2). On a Ford chassis, you will need to remove the three screws securing the coolant overflow bottle on the driver side (Figure 3). Lift and set the coolant bottle off to the side. No need to drain or remove any hoses (Figure 4).



Figure 1



Figure 2



Figure 3

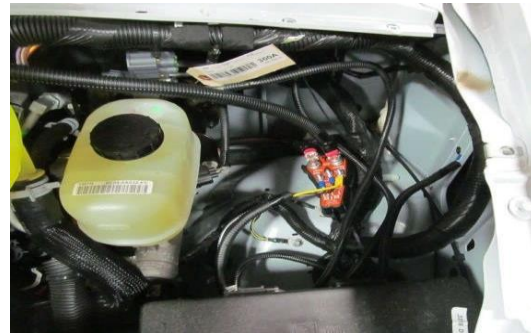


Figure 4

2. On the chassis battery under the hood, locate the battery cable TMC added. Remove the cable and verify the chassis battery post on BIR is dead with a test light or volt meter. (Figure 5)

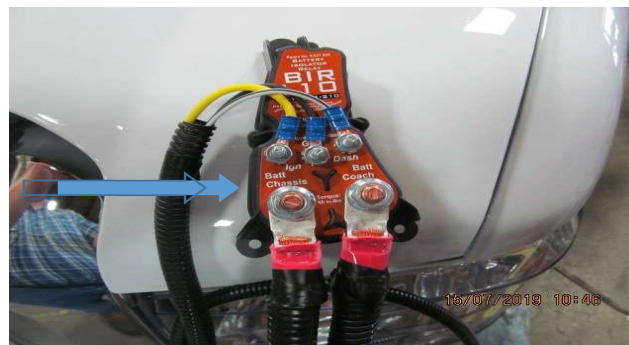


Figure 5

3. If the post is dead on the e-start solenoid, hook the battery cable back to the battery and tighten.
4. If the chassis post still has voltage, check the coach battery post on the lower right of solenoid. If the coach battery post is dead, the cables are reversed.
5. Remove battery cable from the house battery and go back to the solenoid and swap the coach battery cable with the chassis battery cable.
6. Hook battery cable back up to the battery and check chassis post for power. If okay, you can reinstall coolant bottle on Ford and you are complete.
7. Start engine and you should be able to check the coach battery for an increase in 12v reading with a meter or the coach display panel.