

SS1034887 - 8.8L Aft Fuel Harness Update

Service Solution Title <--SS1034887 - 8.8L Aft Fuel System Harness Rework

Applicable Vehicles<< Certain MY 2018, 2020 - 2021 C2 School Busses equipped with a PSI 8.8L LPG fueled engine.

IMPORTANT: Prior to beginning work, contact FCCC tech support and verify that this bus needs the rework performed.

Issue<< The aft fuel system harness may not be built per the schematic. This issue will not have any operability related issues. It is simply updating the harness to allow it to match how the schematic is drawn.

WARNING. If working under a raised vehicle, always support with jack stands. Failure to do so can result in death or serious injury.

Solution<< Use the attached set of work instruction steps to modify the aft fuel harness to align with the applicable schematic.

8.8L Aft Fuel System Harness Update Work Instructions:

WARNING: If working under the vehicle always support with safety stands. Failure to do so could result in death or serious injury.

PARTS NEEDED

- 13 zip ties
- 5 button band zip tires
- 3 butterfly bands
- 13ft of 18 gauge wire
- 1 weather pack – PAC 15324984 B
- 1 flat blade terminal – FCI 10762775
- 1 female terminal –PAC 12089188 L

WORK INSTRUCTIONS

1. Park vehicle on level surface, shut down engine. Set the parking brake.
2. Perform initial amp test on circuit at the 20 amp Fuel System fuse (F22) in the front PDM. With the engine running, 11 to 15 amps is normal. See Figure 1

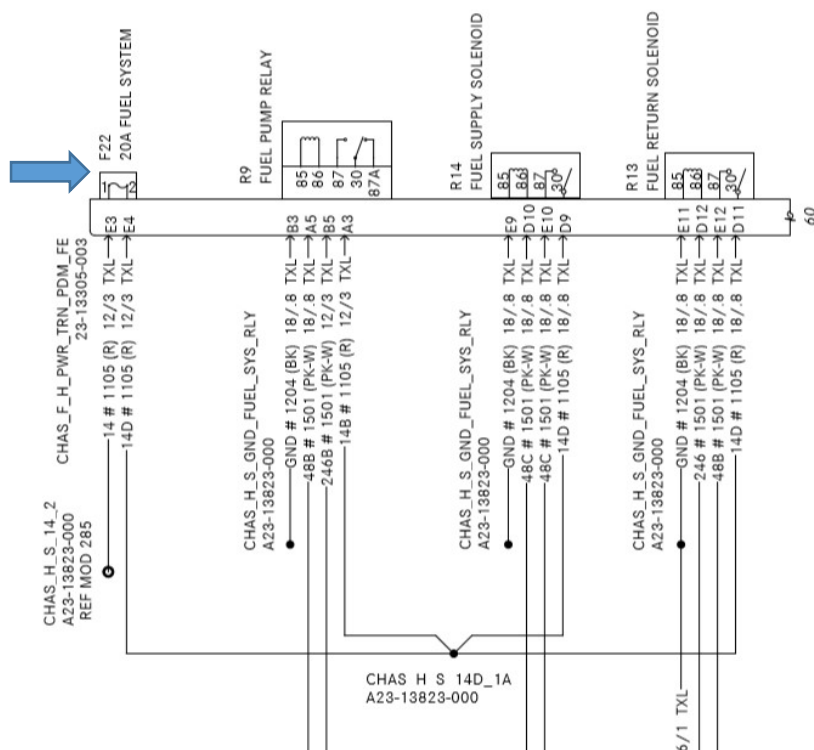


Figure 1

3. Disconnect ground wire from frame near rear driver's side air bag. Disconnect 14-pin connector above rear axle. See Figure 2

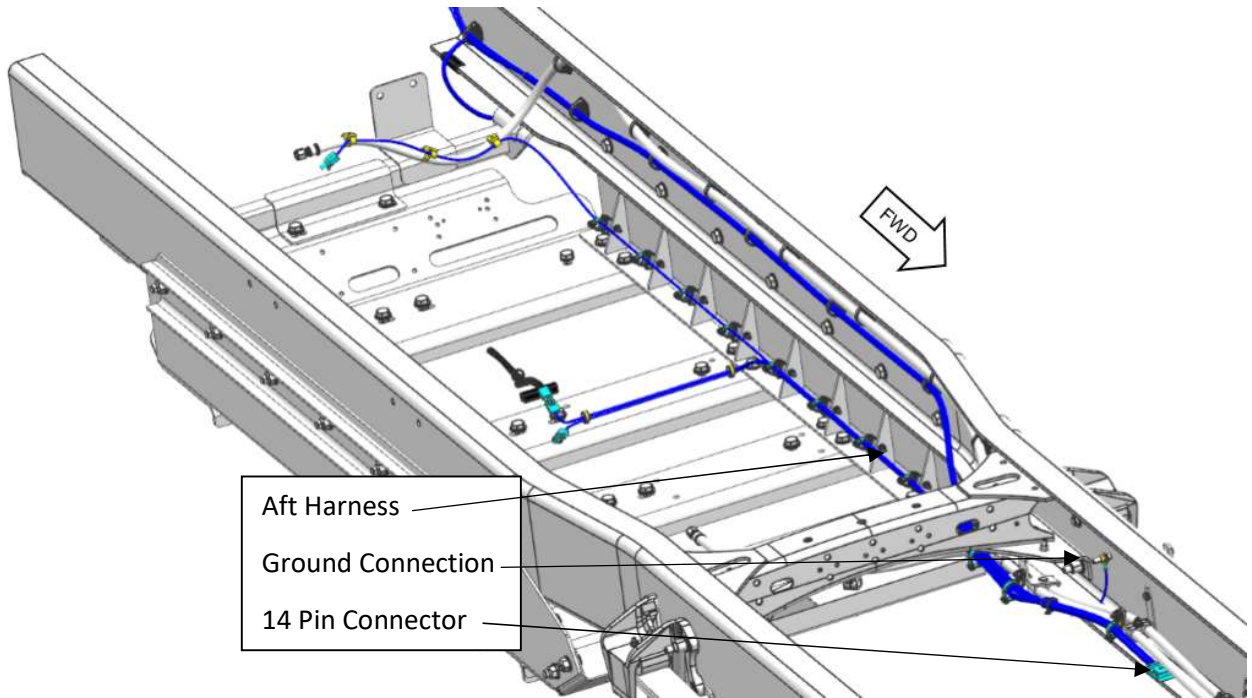


Figure 2

4. Disconnect work lamp behind axle (if applicable)
5. Remove zip ties, disconnect fuel sending unit connector, fuel pump connector, supply and return fuel solenoid connector.
6. Drop aft harness down (still connected to reverse alarm, harness will hang down under bus).
7. Remove tape and conduit to expose splice for fuel pump and solenoid

8. Cut circuit branch 246B from splice to Supply Solenoid and heat shrink exposed end of circuit. Fold back into harness. See Figure 3

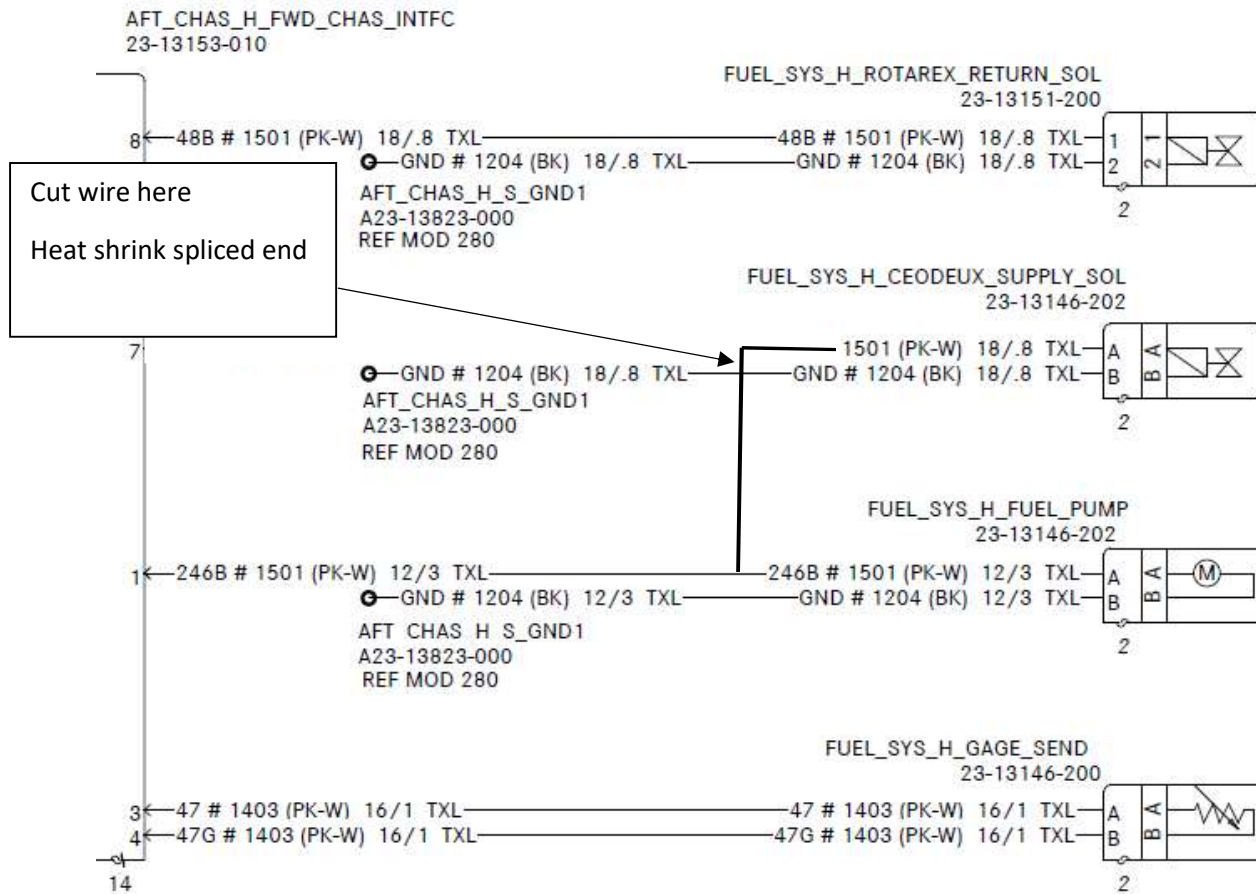


Figure 3

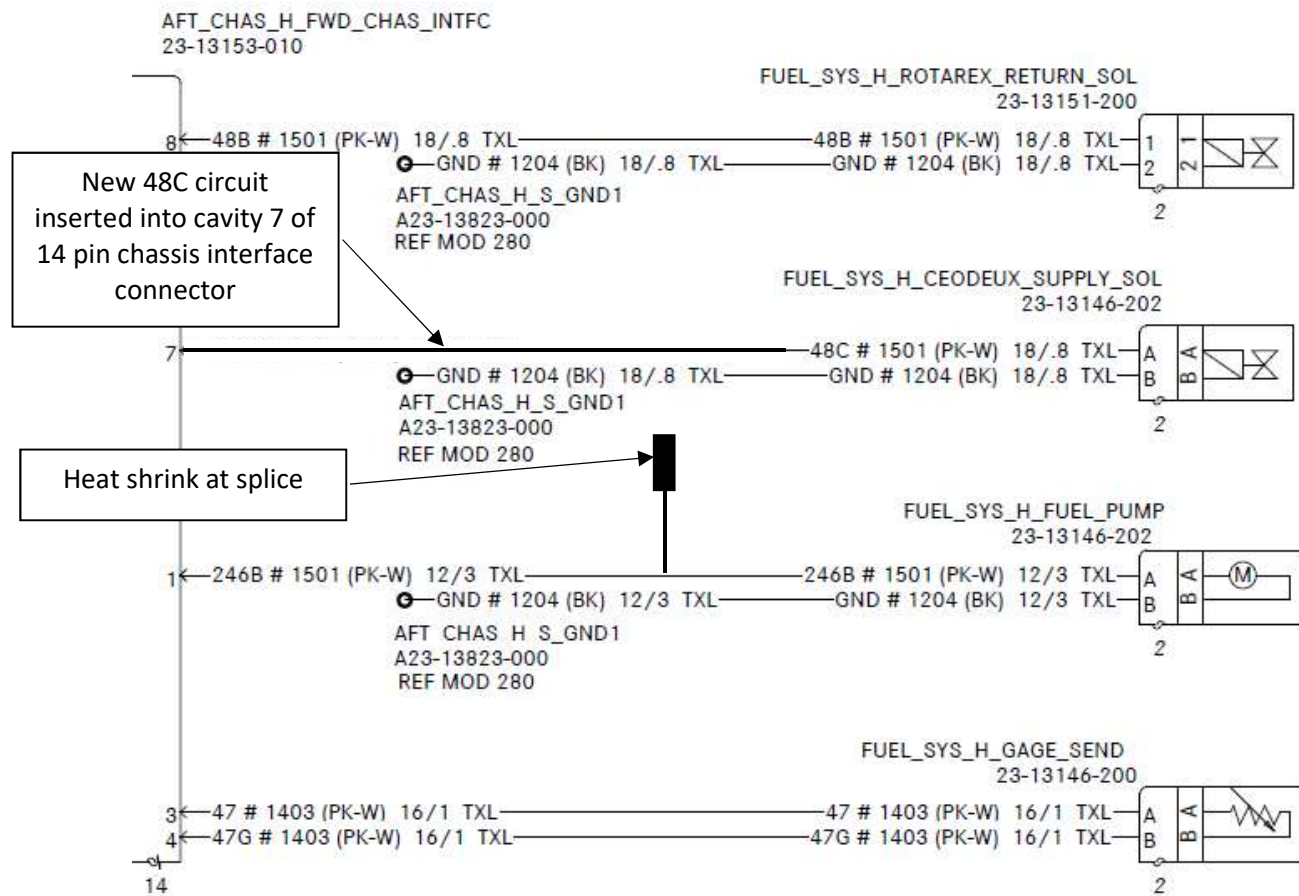


Figure 4

9. Terminate one end of the new wire with the male terminal. Remove plug from 14-pin connector cavity 7 and install male flat terminal. Route new circuit 48c with existing harness and inside conduit. Add splice to exposed blunt cut end from for solenoid connector. See Figure 4
10. Re-tape harness
11. Route the harness back in original location. Re-connect fuel supply and fuel return solenoid connectors. Re-connect fuel pump connector. Re-connect sending unit connector.
12. Connect work lamp if applicable
13. Connect 14-pin connector
14. Attach ground wire to frame stud
15. Secure harness in original location with button bands and tie bands as needed.