DATE: 7-18-19

APPLIES TO: This service bulletin applies to 2019 through 2020 model year K3 and K4 model motor home chassis equipped with an auxiliary compressor supplied by Hadley and built between February 20, 2019 and April 16, 2019.

CONDITION: Hadley system still active when ignition is off.

CORRECTION: Update the software within the Hadley module.

LABOR ALLOCATION: 1 hrs.

CLASSIFICATION: V3

PARTS NEEDED:

QTY	Part Number	Description
1	CSB19-330-009	Campaign Service Bulletin
1	H00700L	Hadley System Programming Kit

Kit # H00700L Contains:

QTY	Part Number	Description
1	H00700-85	System Programmer Harness
1	H00700-86	Power Supply System Programmer
1	H18720	Red SD Card 128 MB(K2) Green SD Card 128 MB(K3/K4)
1	H18730	Melabs Programmer (Black Box)
1	H18739	Programming Instructions

GENERAL INSTRUCTIONS:

Thoroughly review entire service bulletin before starting work. If there are questions or concerns with steps defined in this service bulletin, contact Spartan Motors USA, Inc. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

STEP-BY-STEP INSTRUCTIONS:

1. Turn disconnect switches off at rear of coach.

2. Locate Hadley ECU, which is mounted on driver's side frame rail, forward front axle. Find blue and black 35-way connectors on Hadley ECU, which are located behind manifold assembly. Refer to FIG. 2-1.

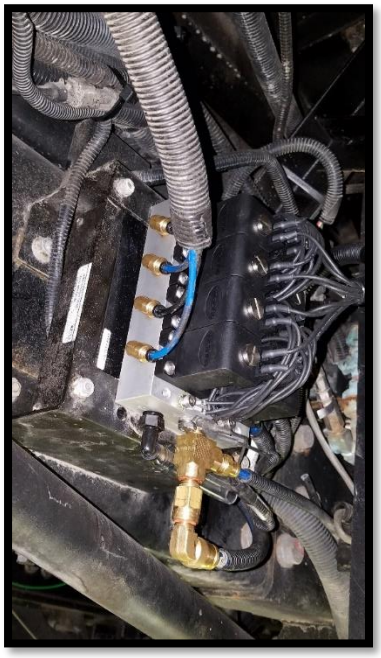

Fig 2-1

3. Verify that engine is off, with key in "off" position (if Passive Keyless Start, verify lamp on push start is not illuminated) and parking brake applied.

4. Locate black Hadley Melabs programmer and verify correct flash memory card is installed into memory slot. Red SD Card(K2) or Green SD Card(K3/K4).

5. Locate power supply and plug 12VDC gray connector into programmer harness.

6. Plug AC line cord into a 120 VAC outlet.

7. Firmware will be loaded to Hadley controller, which is located on driver side frame rail ahead of front tire. Controller has (2) 35-pin connectors (blue and black in color).

8. Unplug black connector/harness from Hadley ECU by pulling center locking tab back and up. While holding the tab, carefully pull connector, rocking it side to side until unplugged.

9. Locate 35-pin black connector on Hadley programmer harness. Plug black programming connector into Hadley ECU. The LED on controller box should be solid green, indicating connector is properly attached.

10. Locate push button switch on Hadley Melabs programmer. Press switch for one second (LED light will change from solid green to solid red). The program loading process will take approximately 50 seconds. Once complete and if programming was successful, LED should change from solid red to solid green.

11. If programming was unsuccessful, LED will blink red. If this occurs, recheck all connections/wires and verify memory card is fully inserted in Hadley Melabs programmer and repeat the previous step.

12. Unplug 12-volt grey connector to prevent voltage spike. Unplug Black programming connector using technique in step 26 and re-install black connector to Hadley ECU.

13. Re-calibrate X and Y level sensors by verifying engine is running and coach is on a level surface. (Note: Park Brake must be Set)

14. Press and hold SLS button on Hadley touchpad for at least 15 seconds until the SET LED illuminates for approximately 1 second (Note: Do not need to use 2 pin connector). Once illuminated, level sensors are fully calibrated.