



NUMBER: 08-013-03

GROUP: Electrical

DATE: May 16, 2003

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SUBJECT:

Erroneous Airbag Diagnostic Trouble Code (DTC) - Loss of Ignition Run/Start

NOTE: THE SYMPTOM/CONDITION ADDRESSED IN THIS BULLETIN HAS NO AFFECT ON AIRBAG OPERATION.

OVERVIEW:

This bulletin involves adding a diode to the L4 circuit.

MODELS:

2003 (PL) Neon/SX 2.0

NOTE: THIS BULLETIN APPLIES TO VEHICLES EQUIPPED WITH DAYTIME RUNNING LAMPS (DRL) (SALES CODE LMN).

SYMPTOM/CONDITION:

Vehicle sets DTC "Loss of Ignition Run/Start".

NOTE: THE ABOVE MENTIONED DTC CAN BE GENERATED IF THE IGNITION SWITCH IS CYCLED FROM THE RUN POSITION TO THE OFF POSITION WHILE THE HEADLAMPS REMAIN ON. A VOLTAGE SPIKE FROM THE DAYTIME RUNNING LAMPS COULD OCCUR SETTING THE DTC.

DIAGNOSIS:

Using the Diagnostic Scan Tool (DRBIII®) with the appropriate Diagnostic Procedures Manual, verify all systems are functioning as designed. If DTC's are present, other than listed above, record them on the repair order and repair as necessary before proceeding further with this bulletin. If the DTC listed above is present, perform the Repair Procedure.

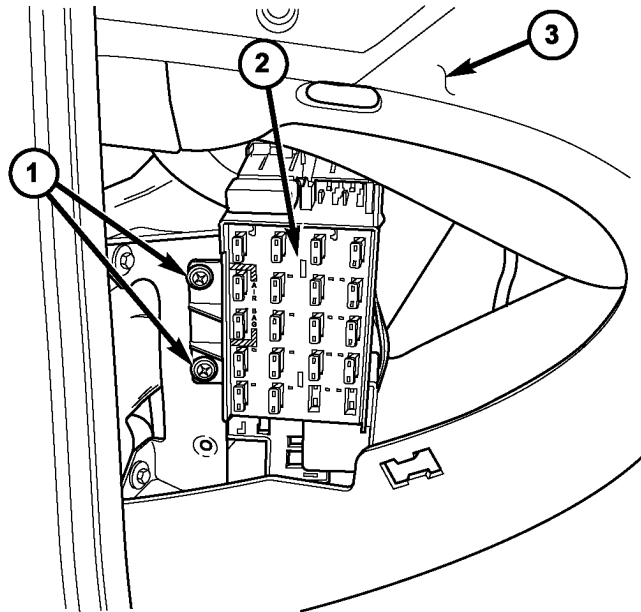
PARTS REQUIRED:

Qty.	Part No.	Description
1	05107069AA	Diode Kit, Kit Contains: 1 - Diode 2 - 04778570 Heat Shrink Tube 2 - 05013243AA Splice Band

REPAIR PROCEDURE:

1. Disconnect and isolate the negative battery cable.

2. Open the driver's door. Remove the left instrument panel end cap.
3. Remove the 2 fuse block mounting screws holding the fuse block to the bracket (Fig. 1).



811cac75

Fig. 1 FUSE BLOCK

1 - MOUNTING SCREWS

2 - FUSE BLOCK

4. Pull the fuse block and wiring harness out the instrument panel end cap opening.
5. Unwrap the wiring harness covering up to the point that the harness exits the instrument panel.
6. Locate the L4 VT/WT wire in the wiring harness going toward the instrument panel. (Fig. 2).

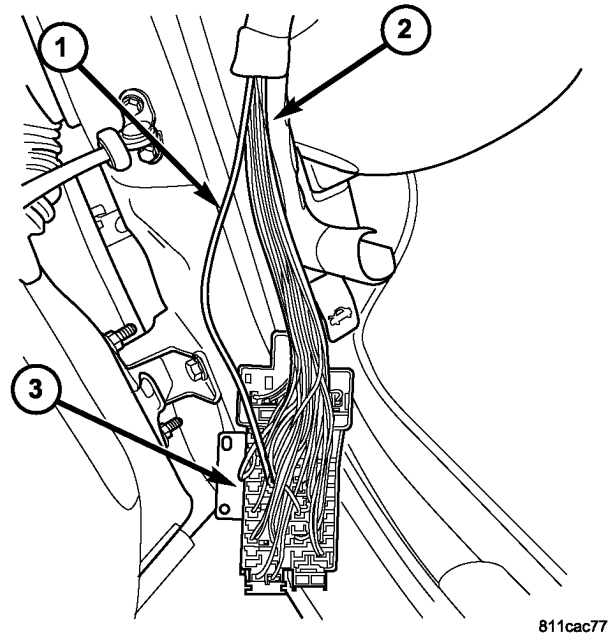


Fig. 2 VT/WT L4 CIRCUIT

- 1 - VT/WT WIRE TO INSTRUMENT PANEL
 - 2 - WIRING HARNESS
 - 3 - FUSE BLOCK
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- 7. Cut the wire approximately 101.6mm (4 in.) from the fuse block terminal.
- 8. Slide the heat shrink tubing over the wire and slide the tubing up the wire out of the way until needed in step 10.
- 9. Splice in the diode kit (p/n 05107069AA) following procedures outlined in the TechCONNECT/MDS2 or 2003 Neon/SX 2.0 service manual (Publication No. 81-270-03028) page 8W-01-14 and 15 (Fig. 3).

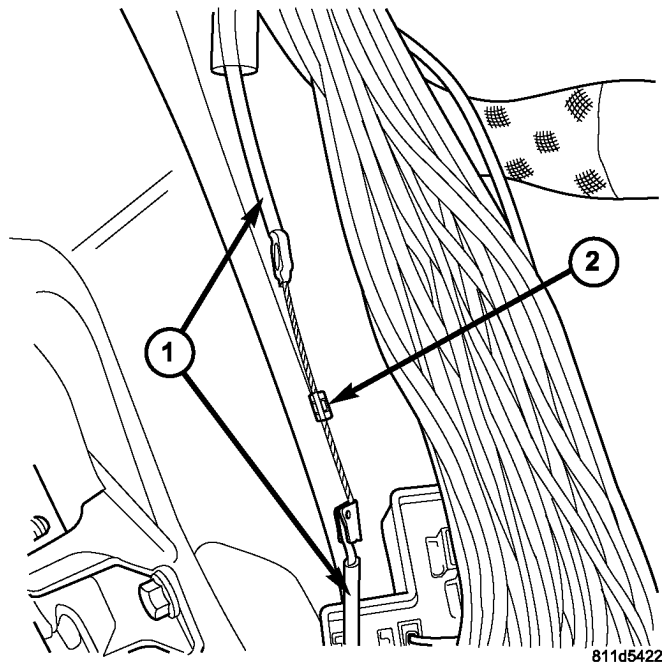


Fig. 3 DIODE IN PLACE

1 - VT/WT L4 CIRCUIT

2 - DIODE

NOTE: THE DIODE IS TO BE INSTALLED WITH THE STRIPPED END AWAY FROM THE FUSE BLOCK.

10. Once the diode is soldered in place, slide the heat shrink tubing over the diode and shrink the tubing to seal the diode from the elements.
11. Install the covering on the wiring harness (Fig. 4). Apply electrical tape around the covering in a couple of places to secure.

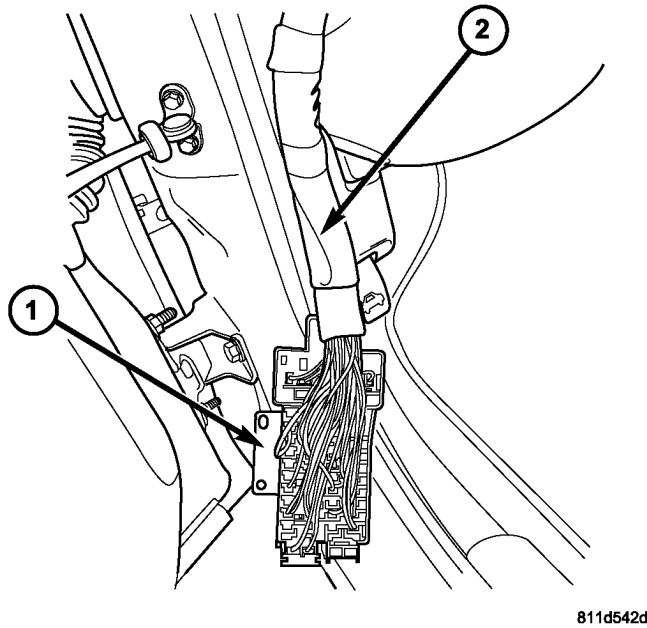


Fig. 4 HARNESS REPAIR COMPLETED

- 1 - FUSE BLOCK
 - 2 - WIRING HARNESS
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- 12. Install the fuse block.
- 13. Install the 2 fuse block mounting screws.
- 14. Install instrument panel left end cap.
- 15. Install battery negative terminal.
- 16. Cycle the ignition switch from the RUN position to the OFF position while the headlamps are on.
- 17. Check DTC's in the airbag control module.
- 18. If the DTC does not return proceed to step 19. If the "Loss of Ignition Run/Start" DTC returns, check the installation of the diode. Be sure the stripped end of the diode is facing away from the fuse block. Repeat steps 11 through 18.

NOTE: IN THE INTEREST OF CUSTOMER SATISFACTION, RESET THE CLOCK TO THE CORRECT TIME WHEN THE PROCEDURE IS COMPLETE.

- 19. Erase DTC's.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
08-45-55-90	Install Diode Kit In L4 Circuit At Fuse Panel	0.3

FAILURE CODE:

P8	New Part
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