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Coding Information

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**Title: Freedom Line Transmission Keeps Shifting and Display Keeps Flashing After Ignition is Turned Off**

**Applies To: 13 Codes 13MGU, 13MGV, 13MGW and 13MGY December 6, 2001 to Present**

**DESCRIPTION**

When the ignition key is turned off there is feedback through circuits 71 and 17 (circuits go to +12 volt). On some trucks with a light load on the ignition grid the TCM may cycle causing the situation described above. Perform the following changes to relocate the subject circuits from the ignition adapter to a battery feed as shown in Figure 3:

1. Remove the right side wing panel exposing the power distribution panel and the 12 Ignition Adapter.
2. Locate an unused fuse position in the Power Distribution Panel that has a terminal on one side but not the other as shown in Figure 2.
3. Check the terminal to verify that it has +12VDC all the time and is fed by a red (BAT) wire.
4. Locate 12 - Ignition Adapter shown in Figure 1 and remove Circuits 71 (16OR) and 17 (16PK).

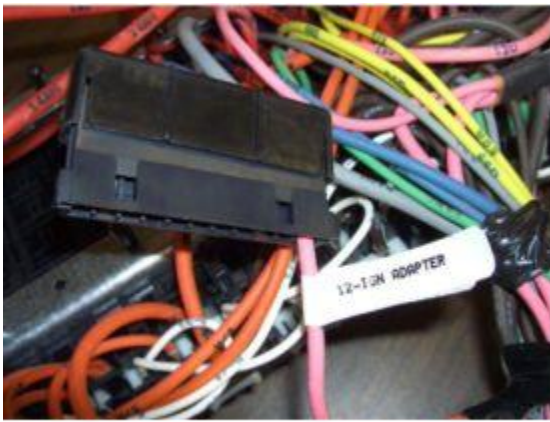


Figure 1

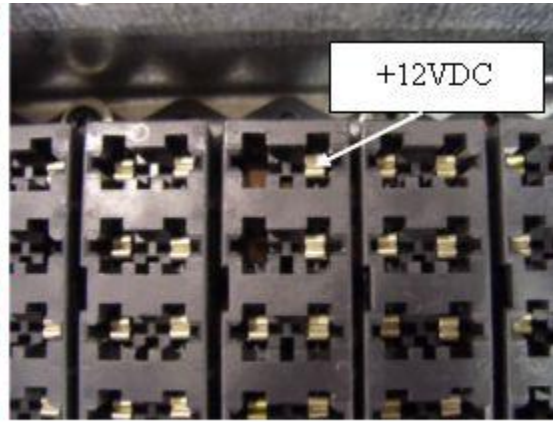


Figure 2

5. Remove the terminals from both circuits and strip insulation from ends of both wires.
6. Combine Circuits 71 and 17 into a single terminal (part number 1661710C1) and crimp.
7. Install terminal combining Circuits 71 and 17 into the fused side of the fuse position selected in Step 2 and install 5 amp fuse.
8. After modification use a permanent marker and label the fuse location on the fuse decal Freedom Line.
9. Reinstall right side wing panel.

**Remove Circuits 71 & 17 from Ignition Adapter 12, remove terminals and crimp into common terminal for connection to always "hot" fuse feed with 5amp fuse.**

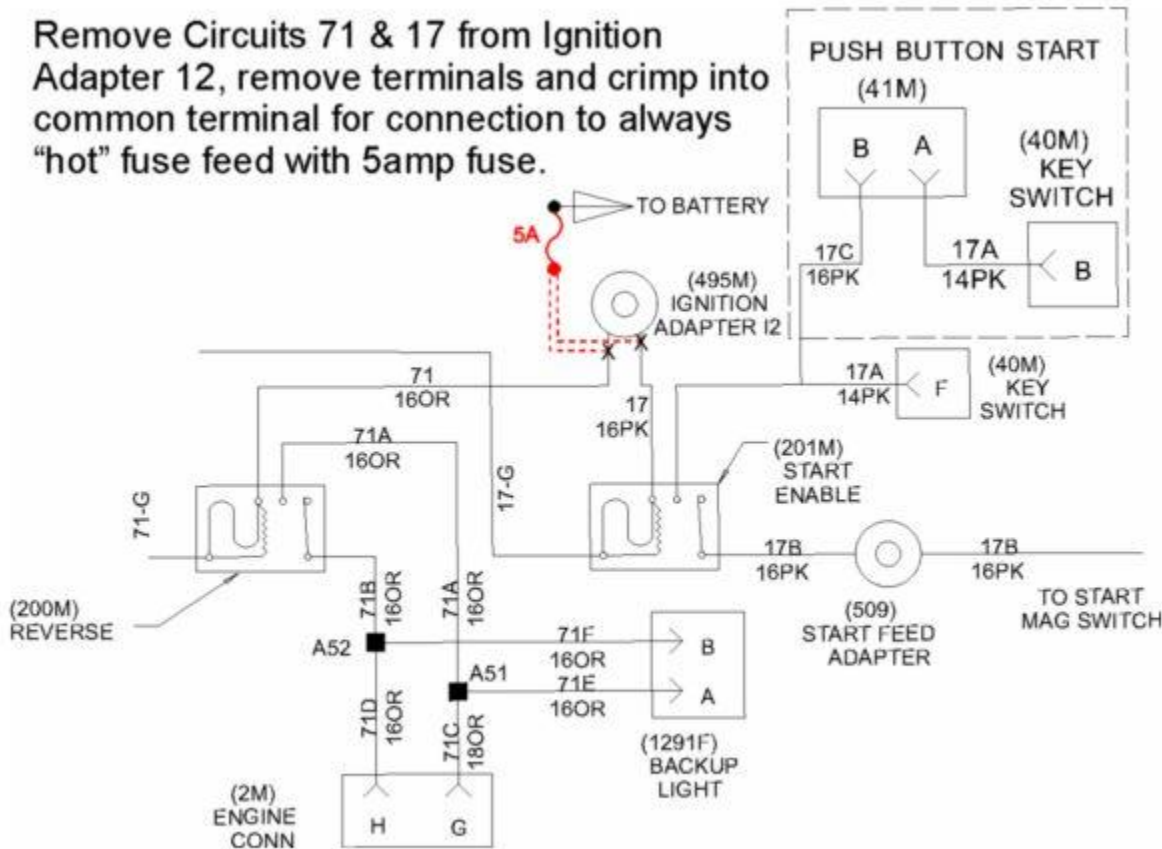


Figure 3

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