

System	Date of Issue	Bulletin Number	Bulletin Type
Odyne System G2V2 Freightliners	9/18/14	00017	<input type="checkbox"/> Field Service Action <input type="checkbox"/> Technical Service Bulletin <input checked="" type="checkbox"/> Technical Service Advisory

Title: Change CAN Data Link Connection Point (CANJ1939)

Issue: Smartplex CAN switch module intolerant of 40 ohm bus impedance; must be 60 ohm standard. Potentially causes CAN bus corruption and non-functional switch interface.

Applies To:

1FVACXCY3FHGE4465	1FVACYDT1FHGJ5835	1FVACYDT8FHGJ5833	1FVHG3DV6FHGE0054
1FVACXDT0EHFU8251	1FVACYDT2FHGF2906	1FVACYDT9FHGA6456	1FVHG3DV8FHGE0055
1FVACXDT4EHFZ4035	1FVACYDT4BDAY7502	1FVACYDT9FHGD3351	1FVHG5CY0FHGE5872
1FVACXDT8EHFU8241	1FVACYDT4FHGF2907	1FVACYDT9FHGE2549	3ALACYDT6EDFV2462
1FVACYCY0EHFX1130	1FVACYDT6BDAY7503	1FVACYDTXFHGX5834	3ALACYDT8EDFV2463
1FVACYCY8FHGE8002	1FVACYDT7EHFV5672	1FVH65CY9FHGE5871	3ALACYDTXEDFV2464
1FVACYDT0FHGA6457	1FVACYDT7FHGA6455	1FVHCYC1FHGG7828	
1FVACYDT0FHGD3349	1FVACYDT7FHGD3350	1FVHCYCYXFHGG7827	
1FVACYDT0FHGD3352	1FVACYDT7FHGE2548	1FVHG3DV4FHGE0053	

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Special Tools or Software Required:

Where Available	Type of Tool	Equipment Description
	Torx driver size T25	
	Wire strippers/crimping tool	
	Utility Knife	
	Heat gun	
	Mototune / Motoservice (optional)	

Action: Sever the current connection and connect at the terminating resistor within the chassis harness.

Service Procedure:

Before Starting Procedure: Remove key from ignition and secure in safe place.

1. Remove dash fascia plate.



2. Remove instrument panel.
3. Remove map holder in center of dash above radio.

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4. Identify and remove CAN terminating resistor, which is located behind the map holder, attached to green and yellow twisted pair of wires.



Terminating resistor

5. Install Odyne supplied CAN harness into OEM harness at the Terminating Resistor.



Odyne supplied CAN harness

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6. Route the CAN harness twisted pair wire assembly through and behind the instrument cluster panel and down to the OEM diagnostic port and secure with cable / zip ties.

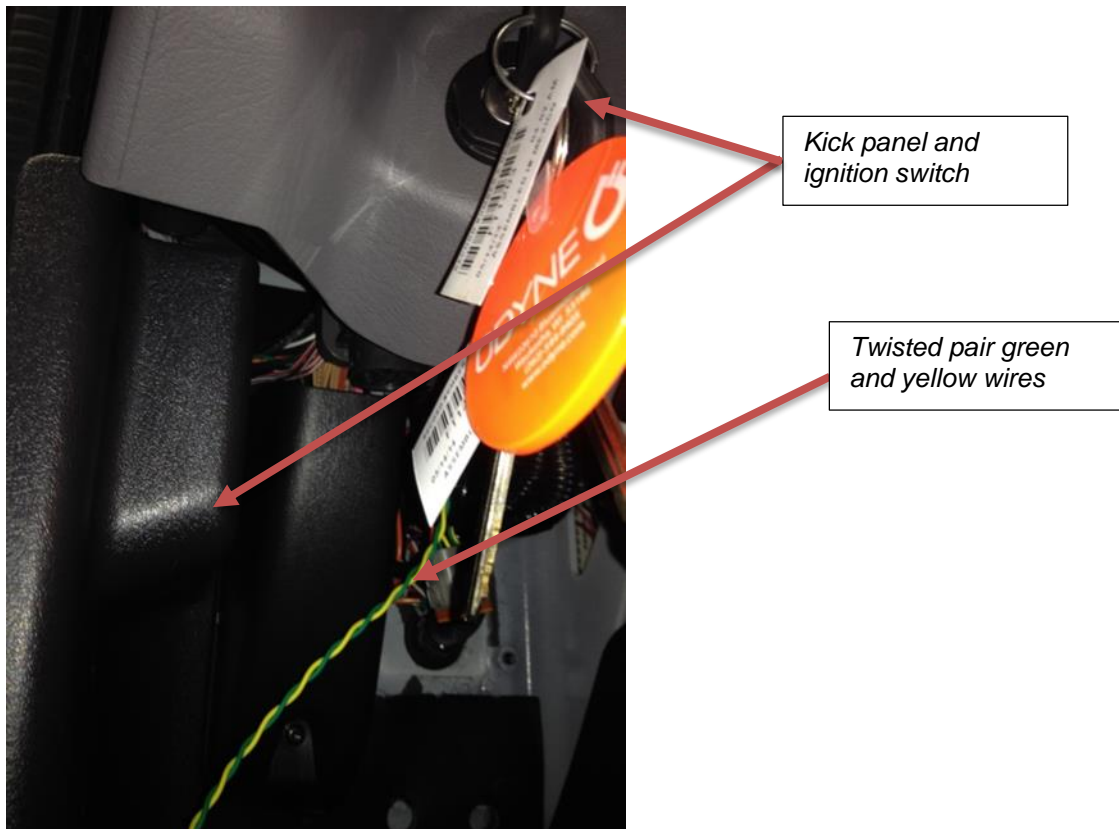


*Cable / zip ties behind
instrument cluster panel*



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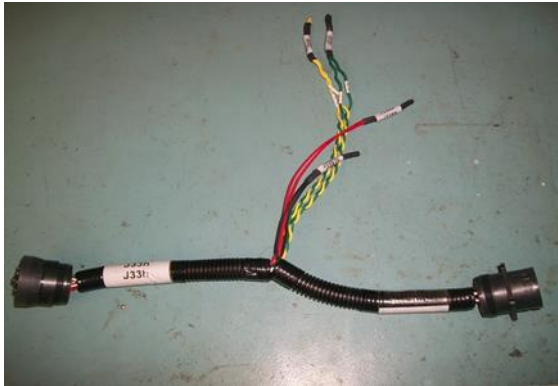
7. Remove zip / cable ties holding the harness to the OBD (On Board Diagnostic) port to access wire harness.
8. Remove the LH Air vent, LH lower kick panel and the ignition switch assembly in order to access the cab harness and the original OBD connector that is connected to the J33h.



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9. Locate and remove the Odyne TEE harness J33g and J33h which is no longer utilized.
 - a. On the harness side, cut the Red 12v DC wire at the J33S9 splice. Apply heat shrink to seal open wire. Stuff back into wire loom.
 - b. On the harness side, cut the Black ground wire at the J33S10 splice. Apply heat shrink to seal open wire. Stuff back into wire loom.
 - c. Cut the twisted pair wires Green J33S7 and Yellow J33S8 at splices.



10. Splice on the Odyne supplied twisted pair wire harness to the unterminated cut end from the chassis harness. Strip and crimp butt splices to the chassis harness matching the uncut wires Green to Green and Yellow to Yellow. Twist as needed.
11. Close the loom and tape as needed.
12. Install the original vehicle OBD connector back into its original location in the dash.
13. Turn the vehicle key to the ON position and turn on Odyne system to insure fault free operation using one of the following methods:
 - Push and hold 2 outer buttons on in-display to access diagnostic code screen.
 - Use Mototune / Motoservice to view diagnostic codes.
14. Turn the vehicle key to the OFF position and replace the following:
 - a. map compartment and screws,
 - b. instrument cluster/panel, and
 - c. fascia and screw.
15. Turn the vehicle key to the ON position and perform the following checks.
 - a. Turn on the Odyne system to insure continued fault free operation.
 - b. Enable ePTO. Release the park brake and confirm ePTO turns red and flashes.
 - c. Cycle the outriggers up and down to create hydraulic demand.

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Parts Required:

Part Number	Description	Qty
	CAN supplied harness assembly	1
20313	Butt splices 20-22 awg	2
20309	Adhesive lined ¼ inch heat shrink	2-6 inches
60026	Small cable/zip ties	6
60030	Black electrical tape	Shop supply

Warranty Information:

Code	Description	Time
00017	CAN Connection Point	.7

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