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Coding Information

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Title: Telematics Installation Guidelines

Applies To: Units with 500K Data Link

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

03/21/2023 - Author updated, added image showing location of 008RPC harness.
03/22/2019 - Author updated
09/07/2018 - Added additional information for 08RPC for clarification. Added Y Harness part number for IVG and Bendix cable for Safety Direct.
07/26/2018 - Added additional information for 08RPC for clarification. Added Y Harness part number for IVG.
05/22/2018 - Added additional information for 08RLW for clarification. Added image for data link architecture on LT, RH, HV, MV

DESCRIPTION

This document will provide the user with guidelines to follow when installing a telematics device.

[Location of Pre-wired Harnesses by Feature Code](#)

SYMPTOM(s)

Not Applicable

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

Not Applicable

DTC/Light	Description
Not Applicable	Not Applicable

Customer Observations or Concerns:

Not Applicable

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
Not Applicable			

SERVICE PARTS INFORMATION

Kit Description	Feature Code	Part Number	Quantity Required	Notes:
Jacketed Bulk Data Link Cable (Shielded with drain wire)		3519281C2	As Needed	Sales Qty: 25 Foot Roll

Jacketed Bulk Data Link Cable (No shield, no drain wire)		3572112R1	As Needed	Sales Qty: 50 Foot Roll
Y- Harness (For Qualcomm MCP50)	08RLW	45-JB917-2A	1	As needed / Order from Qualcomm
Y- Harness (For Qualcomm IVG) without Safety Direct	08RPC	45-JE006-1A	1	As needed / Order from Qualcomm
Y-Harness (For Qualcomm IVG) with Safety Direct for Bendix Fusion	08RPC with 08TUX	45-JE067-1A BXK070257	1 1	As needed / Order from Qualcomm As needed / Order from Parts Catalog

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

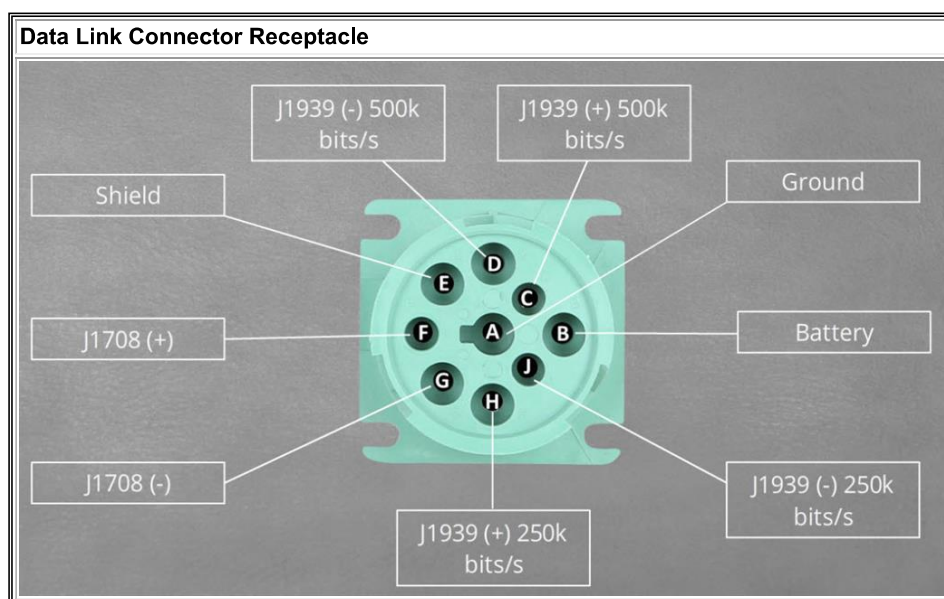
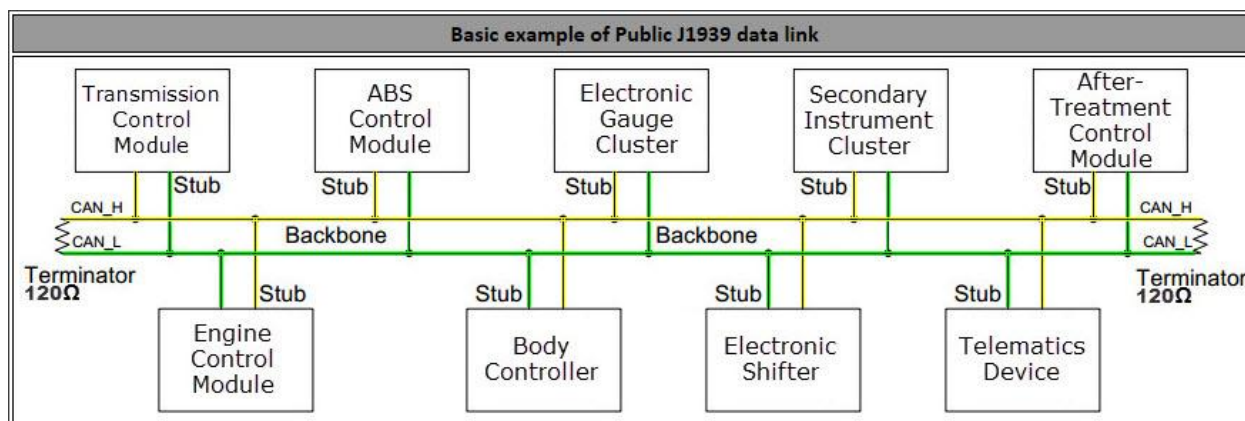
Note:

When performing wire repairs refer to [JK0800269](#) - Proper Wire Repair

Note:

Use bulk data link wire when installing telematics devices

1. It is recommended that telematic devices are installed on the Body 250K Data Link and not spliced into the 500K Data Link.
 - Splicing into the data link may result in erroneous fault codes and/or accessories to not operate properly.
2. If a connection to the 500K Data Link is required a Y-Cable should be used to make the connection at the 9-Pin diagnostic connector.
3. Once telematics device has been installed be sure to verify proper operation of accessories and that no codes become active.
 - If accessories do not operate properly or codes become active contact the telematic manufacturer for assistance.
4. It is recommended that only one telematics device be attached the data link, if more then one device is connected it can cause the data link to crash.



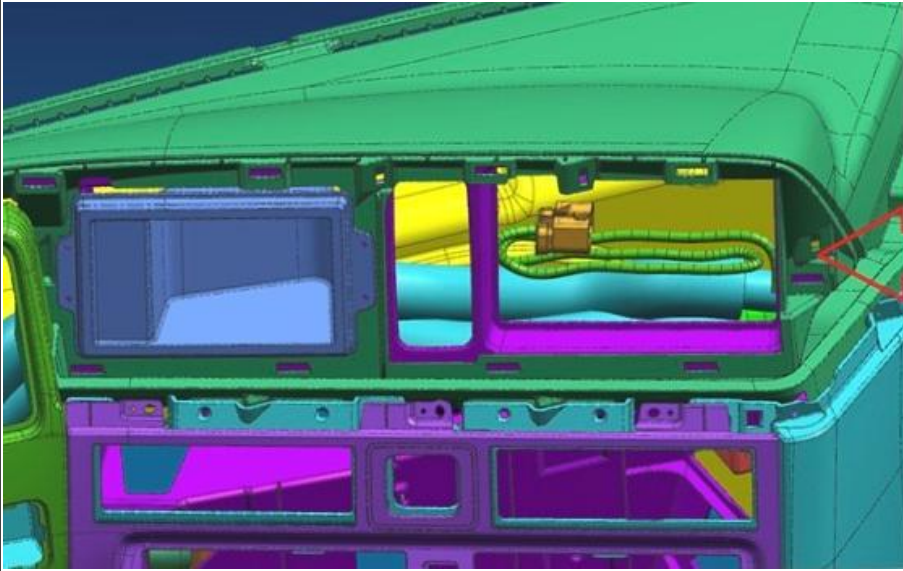
Location of Pre-wired Harnesses by Feature Code

NOTE:

By vehicle design, the pre-wire packages listed below are wired into the Body 250k data link. This is not available at the 9-Pin diagnostic connector.

Feature Code	Telematics Device	Location of Harness Connection	Notes
08RKD	Qualcomm Omnivision MCP100S		
08RKS	Qualcomm Omnivision MCP100T		
08RKT	Qualcomm MCP110/MCP200	DIU display routed to dash passenger or driver side	
08RLA	Qualcomm MCP110/MCP200	DIU display routed to dash passenger or driver side	
08RLG	PeopleNet System	Options connector located in the dash passenger side	
08RLK	PeopleNet System	Options connector located in the dash passenger side	
08RLP	Qualcomm MCP110/MCP200	DIU display cable routed to passenger side of bunk area	
08RLW	Qualcomm Omnivision MCP50	Routed to dash passenger side under the fuse panel **It has been found the MCP50 does not operate properly on the pre-wire package for LT, RH, HV, MV	**Use Y-Harness P/N 45-JB917-2A to place the module on the 500k data link
08RMJ	Qualcomm MCP110/MCP200	DIU cable cable routed to dash passenger side WIB antennacable routed to right side upper bunk/cabinet location	
08RPC	Qualcomm OmnitracS IVG	Routed to dash inside wing panel (See image of location below) **It has been found the IVG does not operate properly on the	**Use Y-Harness P/N 45-JE006-1A to place the module on the 500k data link

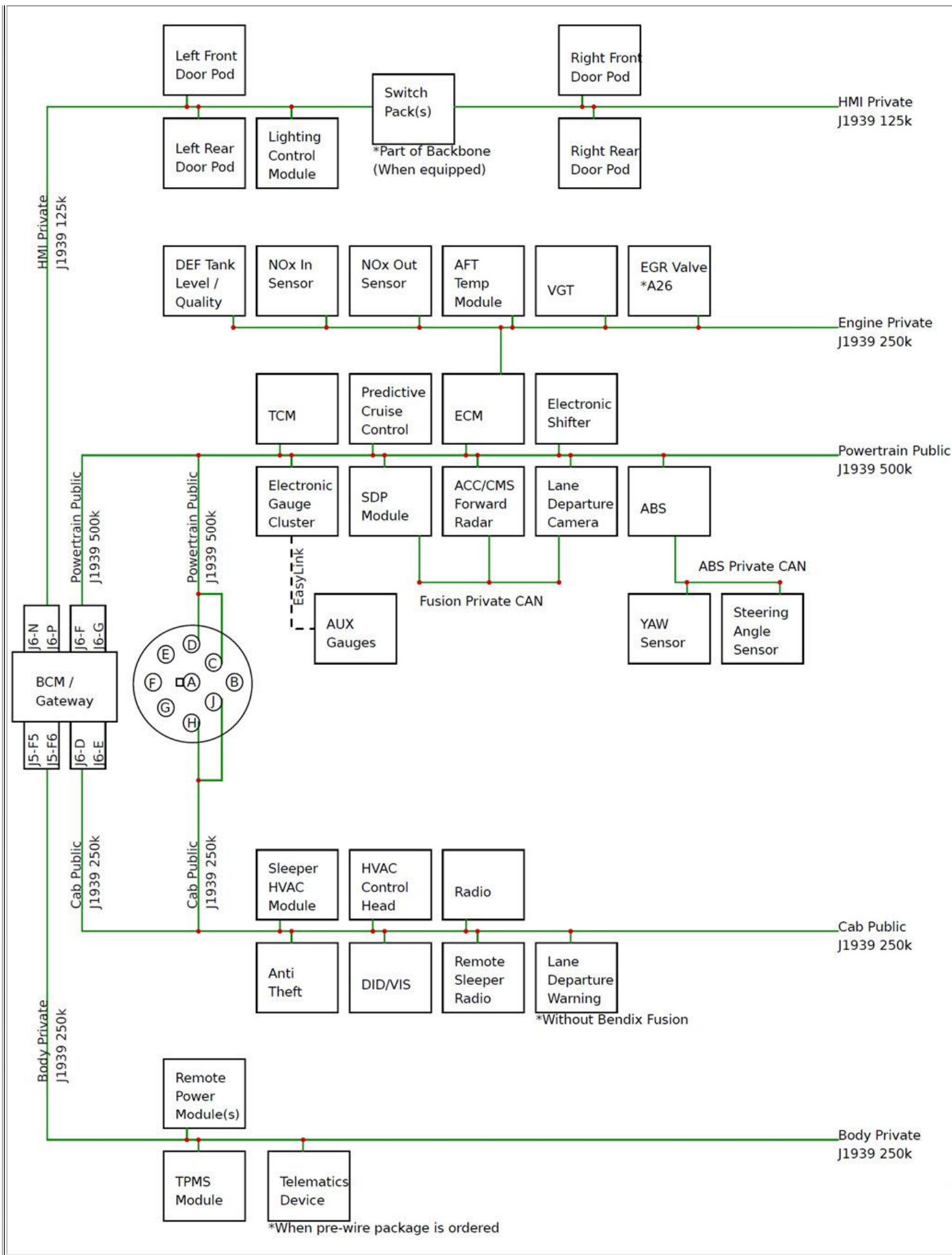
008RPC Telematics Pre-wire Harness Location



The 008RPC harness will be secured to the main dash harness as shown

The 008RPC telematics pre-wire harness will be located behind the wing panel. It will be tied to the main "trunk" of the harness as shown in the pictures below. Some disassembly of the dashboard and wing panel will be required to access this harness.

Data link architecture for LT, RH, HV, MV



WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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