

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo

Columbia
Coronado
Business Class M2
> Cascadia

Freightliner
Service Bulletin

General Information

The factory-installed radio in Cascadia vehicles is connected to the J1939 datalink, which is wired to cavities 3 and 4 of the radio connector on the main cab harness. See [Fig. 1](#).

If a radio does not have J1939 capability, do not connect any wires from the radio to cavities 3 and 4 of the radio connector on the main cab harness. Doing so will affect vehicle operation, resulting in problems such as the engine running in an erratic manner.

To install a non-J1939 compatible radio, use an adaptor harness (A06-47777-003) that mates with the radio connector on the dash harness. See [Fig. 2](#). The adaptor harness does not contain wires for J1939; only wires that can be spliced to the wiring provided by the radio manufacturer. This results in the radio being isolated from the J1939 wiring, which will not affect vehicle performance.

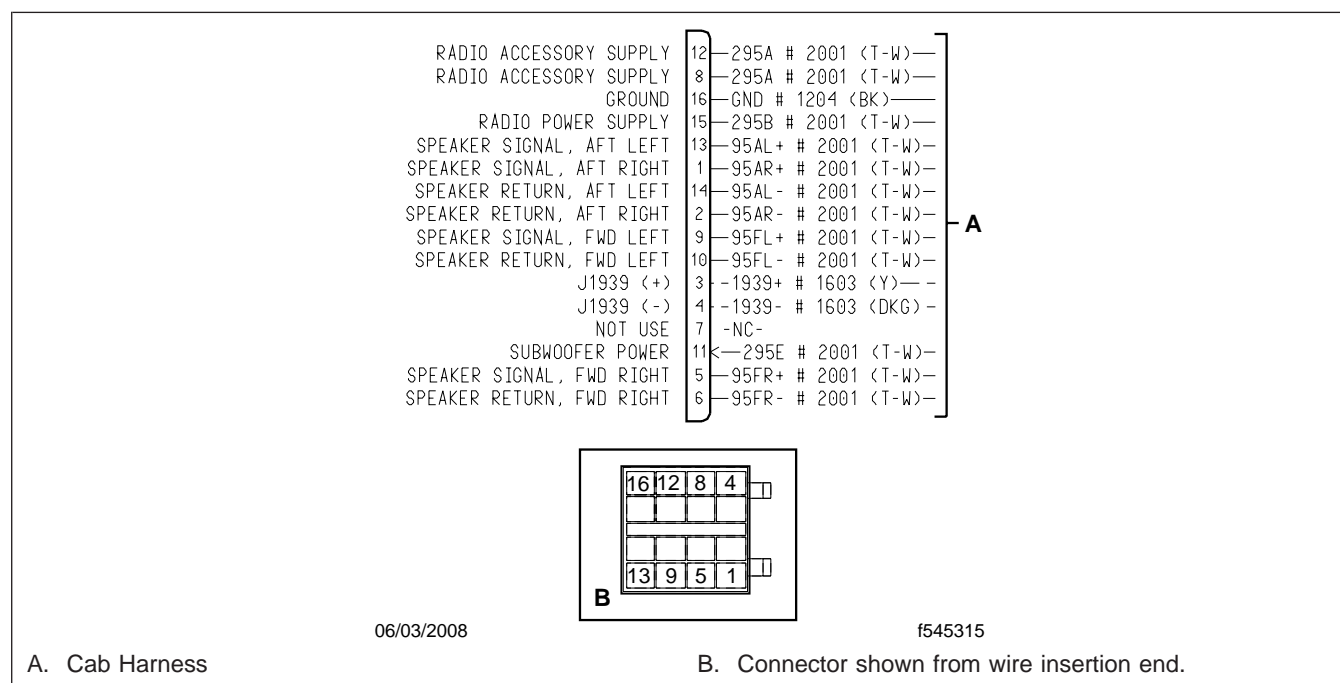


Fig. 1, Radio Wiring Through the J1939 Datalink

Some radios equipped for use with the J1939 datalink contain an internal terminating resistor. Do not connect such a radio, as the internal resistor will lower the resistance of the datalink to below the required 60 ohms. This will affect vehicle performance in the same manner as an incorrectly wired non-J1939 compatible radio.

NOTE: To determine whether a particular radio has an internal terminating resistor, disconnect the radio from the vehicle and measure the resistance of the J1939 outputs from the radio. If the resistance is 120 ohms, the radio has an internal terminating resistor.

Refer to [Table 1](#) under "Parts" in this bulletin for a list and part numbers of J1939-compatible radios without internal terminating resistors.

Parts

Parts are available through the PDCs.

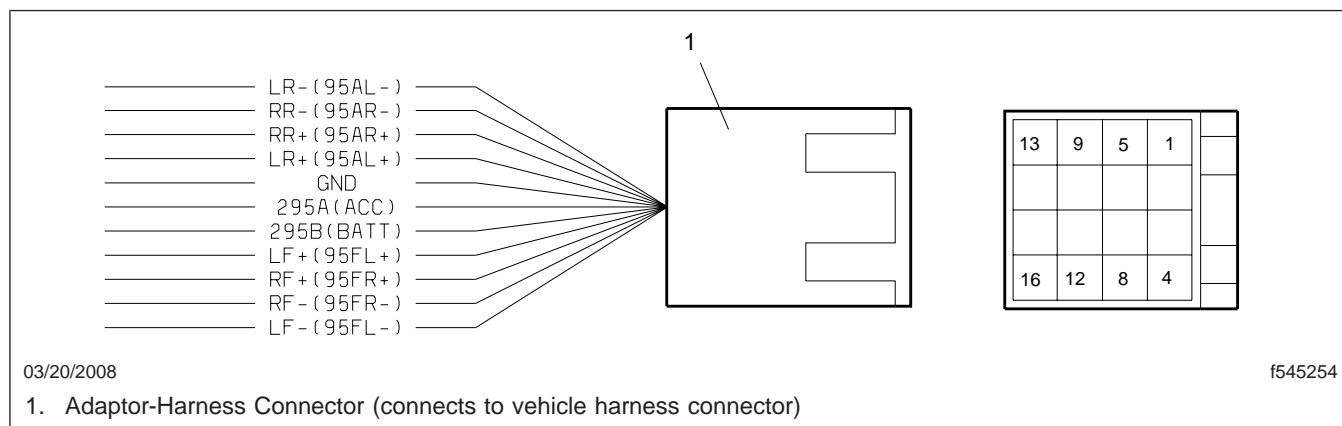
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Fig. 2, Adaptor Harness for a Radio Not Compatible with the J1939 Datalink

Radios Compatible with the J1939 Datalink, and with No Internal Resistor	
Part Number	Description
PFC DEL28057740	AM/FM/WX Radio
PFC DEL28057738	AM/FM/WX/CD/MP3, with Front Auxiliary Input Port
PFC PP103069	AM/FM/WX/CD, with Built-In Sirius Satellite Receiver
PFC PP103070	AM/FM/WX/CD, with Built-In XM Satellite Receiver

Table 1, Radios Compatible with the J1939 Datalink, and with No Internal Resistor

Part Number	Description
A06-47777-003	Harness, Adaptor, Radio

Table 2, Adaptor Harness for Radios Not Compatible with the J1939 Datalink

Warranty

This is an informational bulletin only; warranty does not apply.