

Pre-2018 Freightliner Cascadia (P3) PeopleNet Connected Gateway™ Install

Install Steps



- 1) Connect and mount the display.
- 2) Connect and mount the PCG.
- 3) Connect the display blue barrel and 2-pin power to the PCG Main Cable. Non-Trimble displays will not require the blue barrel.
- 4) Connect the PCG Main Cable to the vehicle (On-Dash Install) or Y-Cable (In-Dash Install).
- 5) Connect the Y-Cable to the vehicle (In-Dash Install).

Install Overview

PCG
Dash Mount

PCG
Internal Mount

Display
Option 1

Display
Option 2

Diagnostic
Connector

On-Dash Installation Steps

- 1) Connect the PCG Main Cable to the vehicle diagnostic port.
- 2) Route the PCG cable up the side of the dash, making sure it is clear of the door and will not interfere with safe vehicle operation.
- 3) Clean a spot on top of the dash using an alcohol swab and a paper towel, then attach the PCG using the tape provided.
- 4) Mount the display-See below for options and steps.
- 5) Route the display cable to the connectors on the PCG cable, then connect both the 2-pin power and blue barrel connections.
- 6) Bundle the cables so they cannot interfere with the safe operation of the vehicle.
- 7) Turn the vehicle key ON to boot the system, then follow the PCG Activation steps.

In-Dash Installation Steps

- 1) Connect the PCG Main Cable to the Y cable and connect the Y cable to vehicle, leaving the Y-cable male as the new vehicle diagnostic.
- 2) Route the PCG cable through the dash to the mount location shown below.
- 3) Clean the PCG mounting space using an alcohol swab and a paper towel, then attach the PCG using the tape provided, making sure the logo is facing the sky.
- 4) Mount the display-See below for options and steps.
- 5) Route the display cable to the connectors on the PCG cable, then connect both the 2-pin power and blue barrel connections.
- 6) Bundle the cables so they cannot interfere with the safe operation of the vehicle.
- 7) Turn the vehicle key ON to boot the system, then follow the PCG Activation steps.

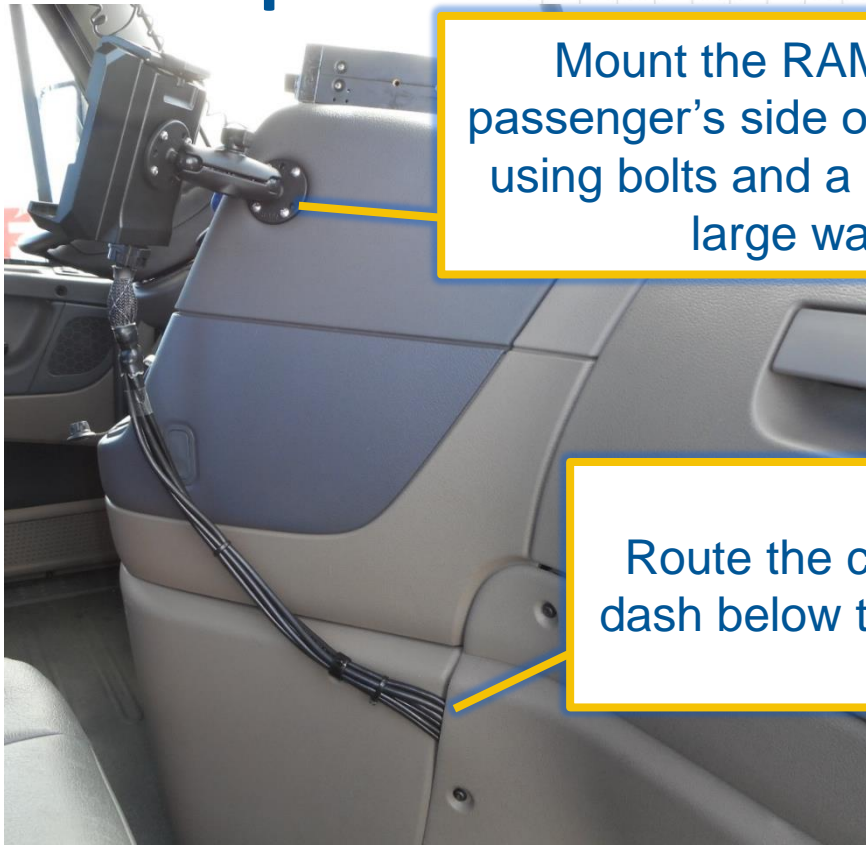
Display Mount Option 1



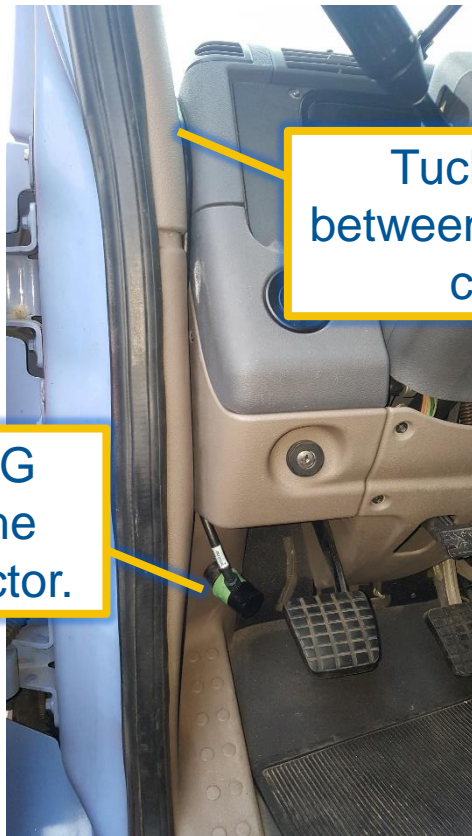
Mount the RAM base to the rectangular dash piece using 4 bolts with large washers.

For In-Dash installs, drill a 1" hole in the plate and feed the display cable.

Display Mount Option 2



Diagnostic Connection – On-Dash



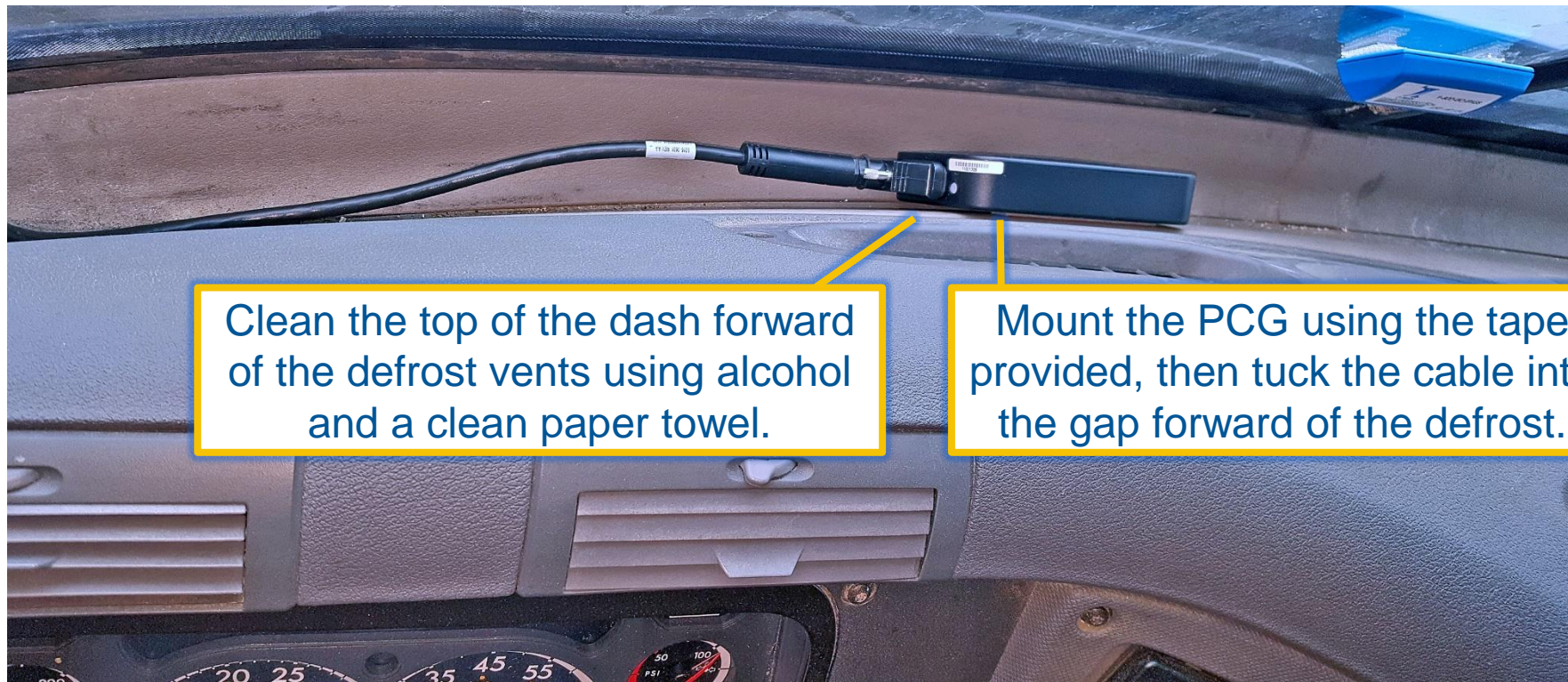
Connect the PCG Main Cable to the diagnostic connector.

Tuck the cable between the dash and cab side.

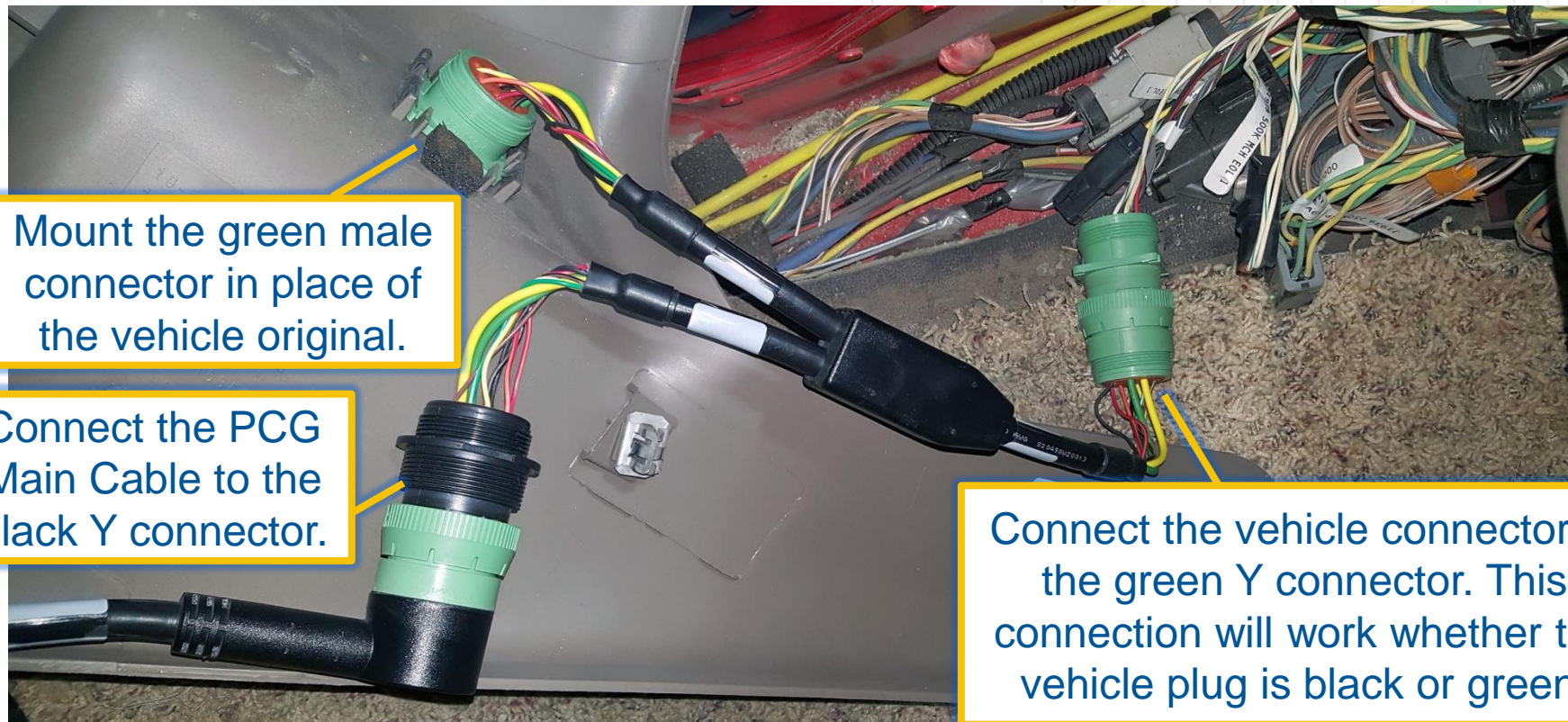
If the 9-pin orientation would place the PCG cable in the way of the clutch, remove the panel and rotate the diagnostic plug.



PCG Mount – On-Dash



Diagnostic Connection – In-Dash



Mount the green male connector in place of the vehicle original.

Connect the PCG Main Cable to the black Y connector.

Connect the vehicle connector to the green Y connector. This connection will work whether the vehicle plug is black or green.

PCG Mount – In-Dash

Mount the PCG to the air-duct behind the center dash. The tape should face down to orient the GPS properly. Secure with plastic ties.

