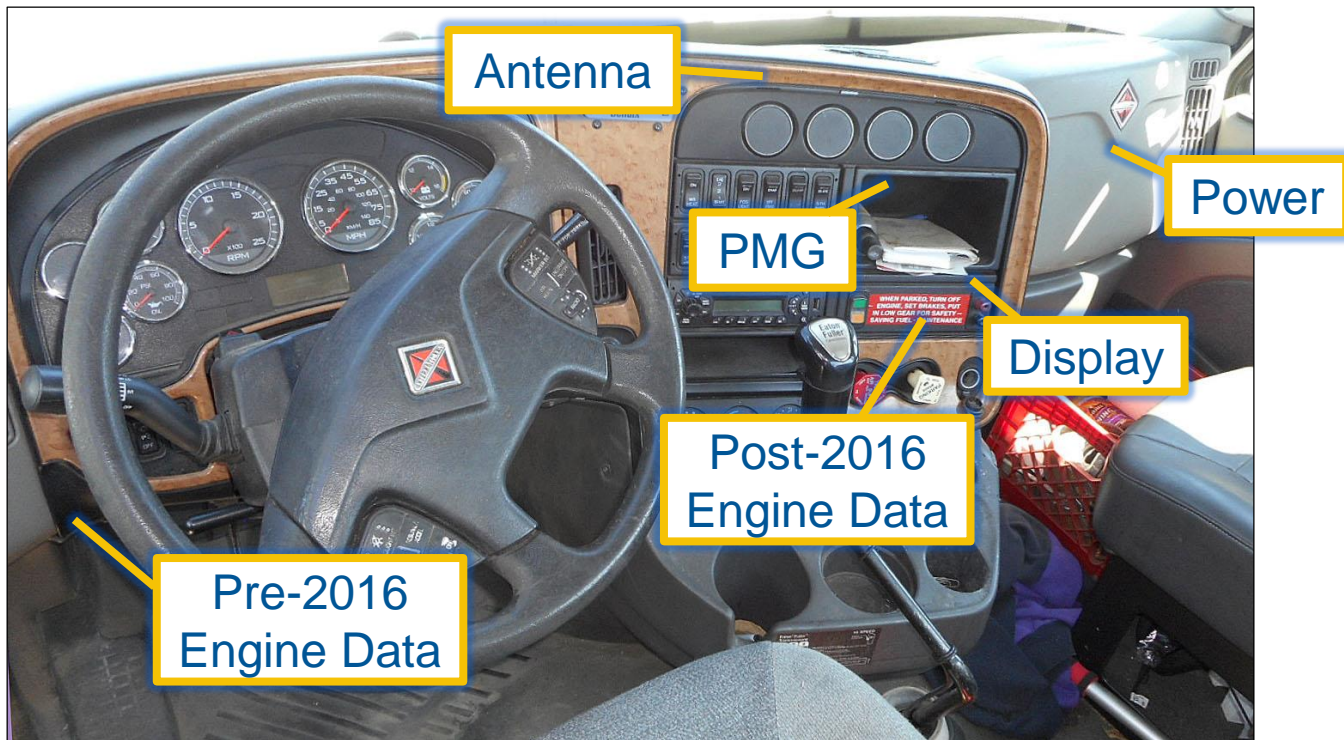
Three horizontal yellow lines of varying lengths are positioned to the left of the title text.A dashed white line curves upwards from the bottom right towards the top right. Three yellow right-pointing triangles are stacked vertically on the right side of the slide, below the dashed line.

Pre-2018 International ProStar and LoneStar PeopleNet Mobile Gateway® Install

Install Overview



Special Parts Recommendations

ProStars can be installed using only the standard parts but a cleaner installation requires purchase of a display mount and power connectors. Note that the plate and pins are not PeopleNet parts.

Optional Display Mount

Velociti Part Number V99949



This plate replaces the central dash storage space, providing a sturdy display base. It is available through Velociti. There are two alternatives:

1. A PMG plate can be used. The result looks similar, but the install is more complicated.
2. The RAM mount can be attached to the dash side as outlined below.

Power Connector Option 1: Pins Only

Aptiv part 12110844-L
Navistar part 3573312C1

This pin crimps to the PMG Power Assembly, allowing direct connection to the vehicle power spares. The pins are available online by searching for the pin part number.



Power Connector Option 2: Assembly

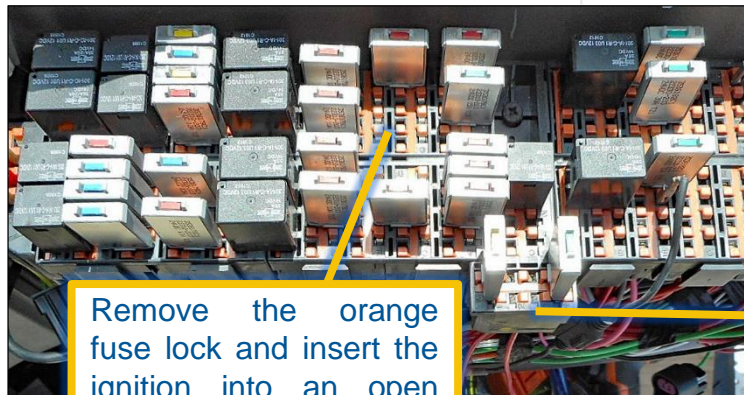
Trimble Part L-016-0538



This assembly includes the same pins as above, but they are already crimped to power leads. These are available from PeopleNet.

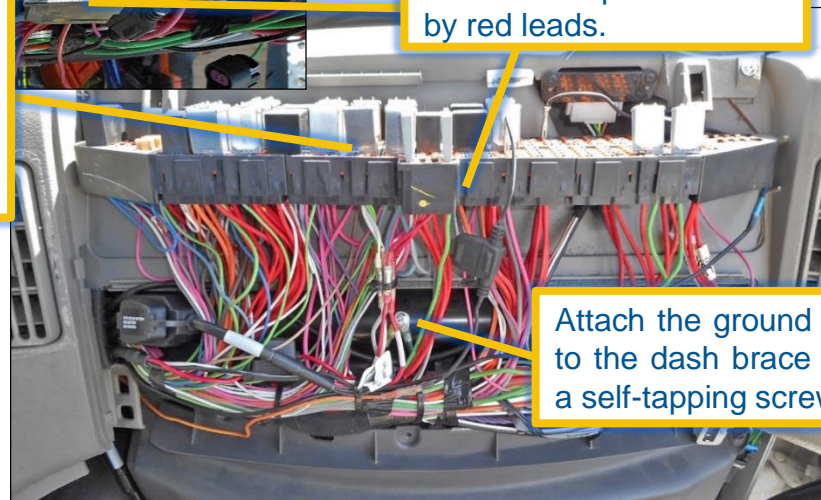
Power Connections

Splice International pin 3573312C1 to the ignition (white) and constant (red) leads, and a ring terminal to the grounds (black.)



Remove the orange fuse lock and insert the ignition into an open position off the ignition relay (F5-A, B, E, F, J, K.) Fuse at 5 amps.

Remove the orange fuse lock and insert the Constant Power in the front/center positions fed by red leads.

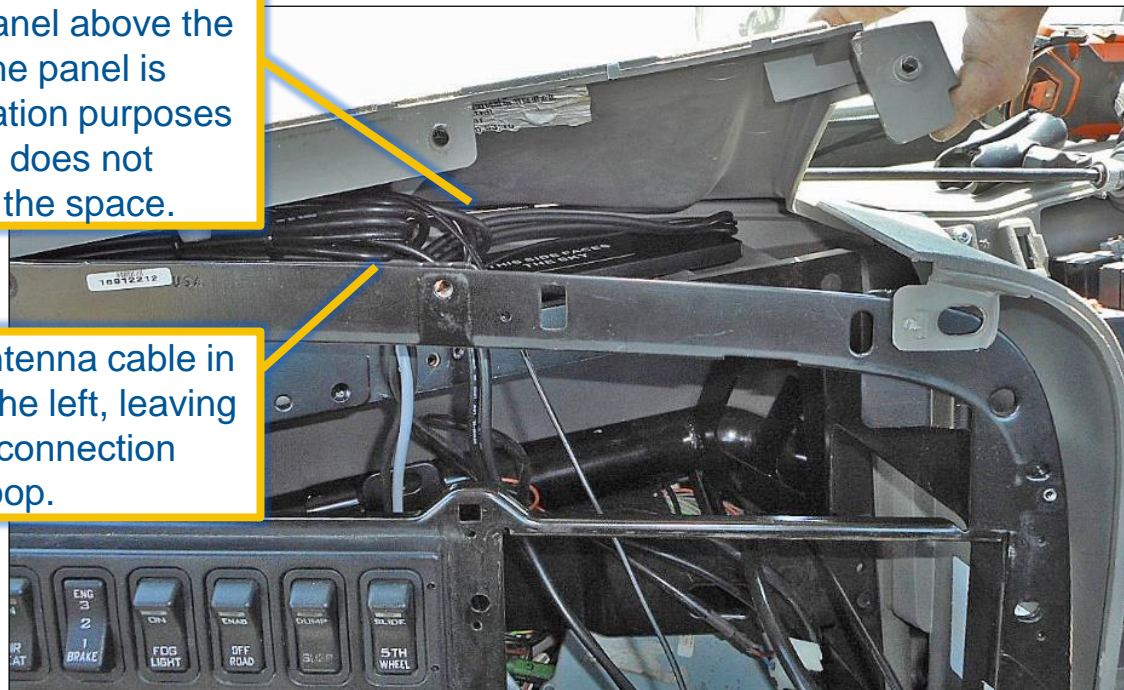


Attach the ground leads to the dash brace using a self-tapping screw.

Antenna

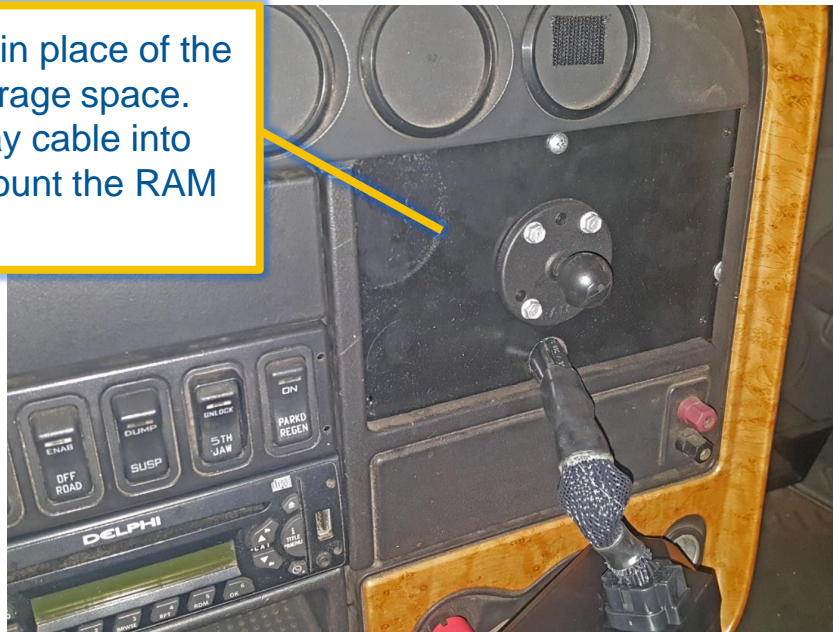
Tuck the PMG antenna into the space between the dash top and lower panel above the cubby. NOTE: the panel is raised for illustration purposes only: installation does not require opening the space.

Bundle the antenna cable in the space to the left, leaving about 12" for connection and service loop.

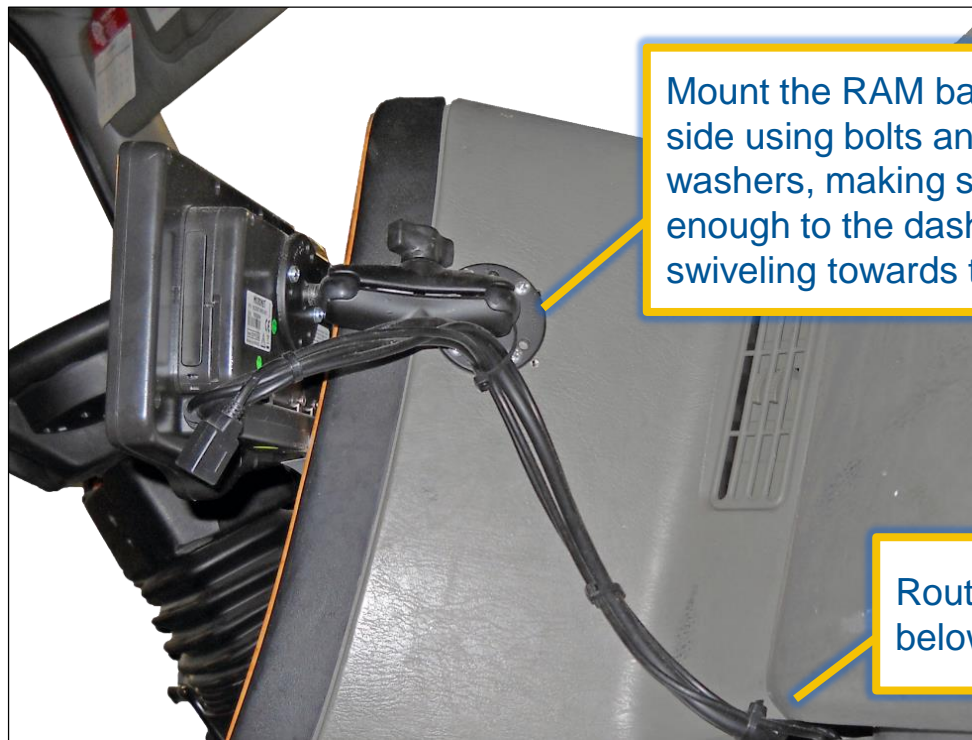


Display – ProStar Plate

Mount the plate in place of the central dash storage space. Route the display cable into the dash and mount the RAM base.



Display – Dash Side



Mount the RAM base to the dash side using bolts and large washers, making sure it is close enough to the dash edge to allow swiveling towards the driver.

Route the cable into the dash below the fuse panel.

In-Dash PMG Mount


The PMG mounts behind the display plate. If the display is mounted to the side of the dash the PMG will be secured above the storage space in the same area.

The PMG is mounted to the cross-member behind the display bracket.

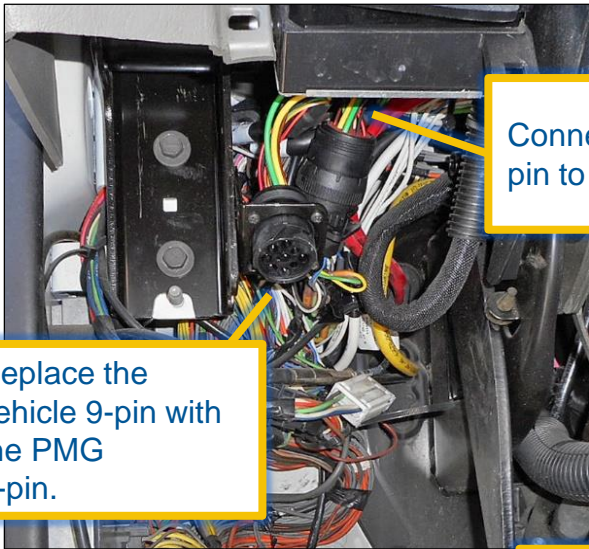


Engine Data: pre-2016

NOTE: these instructions cover pre-2016 International ProStars with a black diagnostic port. Later models with a green diagnostic port will require the 2-pin backbone connection.



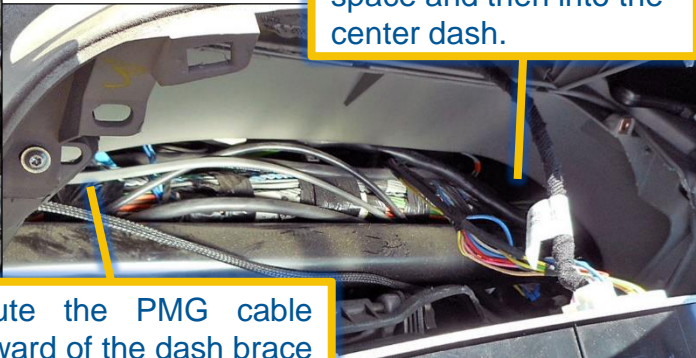
Remove the panels around the 9-pin diagnostic port.



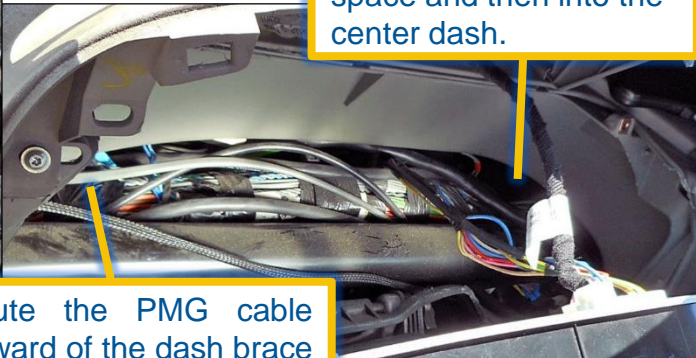
Replace the vehicle 9-pin with the PMG 9-pin.



Connect the vehicle 9-pin to the PMG female.



Cross the dash brace on the passenger's side of the speedometer space and then into the center dash.



Route the PMG cable forward of the dash brace on the driver's side.

Engine Data: 2017+ Option 1

NOTE: Follow these instructions for vehicles with a green diagnostic port. The four variations are shown in order of ease of install.

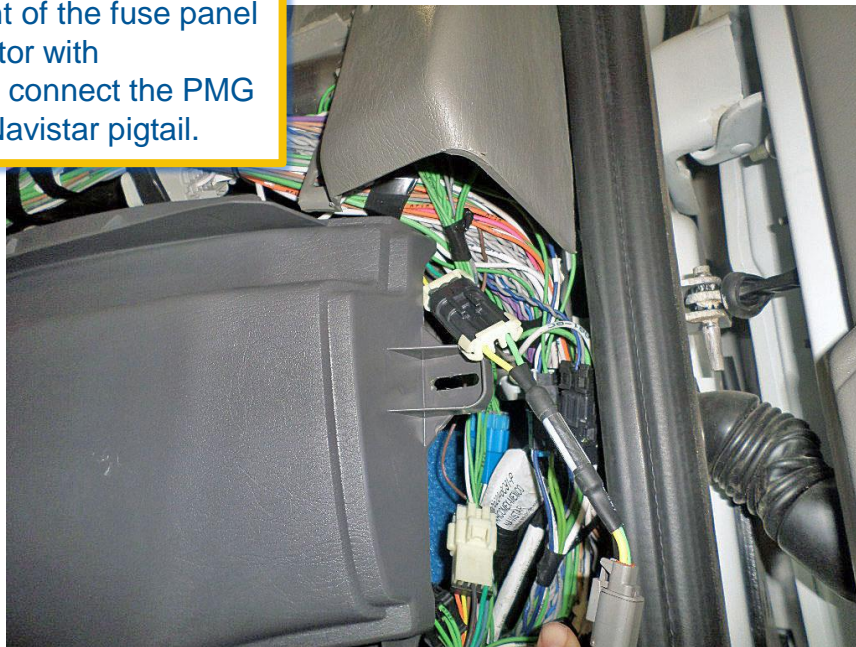
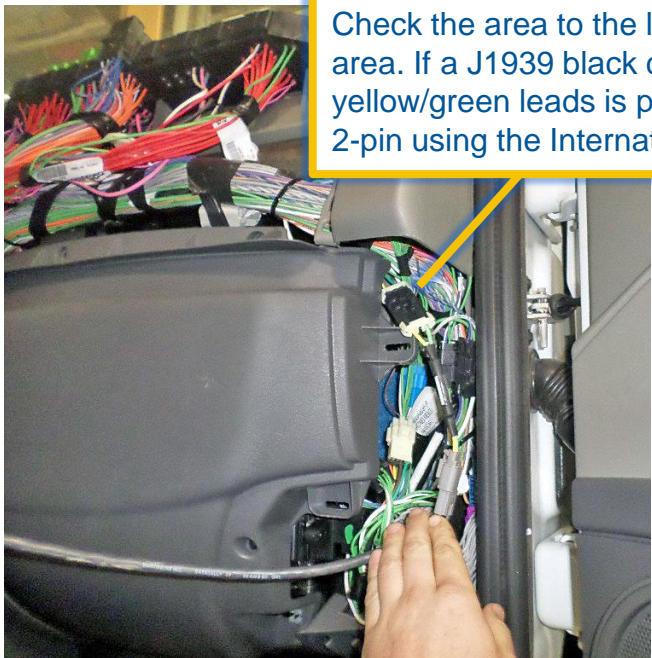
Part L-016-0610 allows installation directly to the diagnostic plug on International vehicles with a green 9-pin, using the 2-pin main cable connected to a Y adapter. Note: Do not use this cable on non-International trucks, as the pin-out is specific to that Make.



Engine Data: 2017+ Option 2

NOTE: Follow these instructions for vehicles with a green diagnostic port. The variations are shown in order of ease of install. Not all vehicles will have all three 2-pin options.

Check the area to the low/right of the fuse panel area. If a J1939 black connector with yellow/green leads is present, connect the PMG 2-pin using the International/Navistar pigtail.



Engine Data: 2017+ Option 3

NOTE: Follow these instructions for vehicles with a green diagnostic port. The variations are shown in order of ease of install. Not all vehicles will have all three 2-pin options.

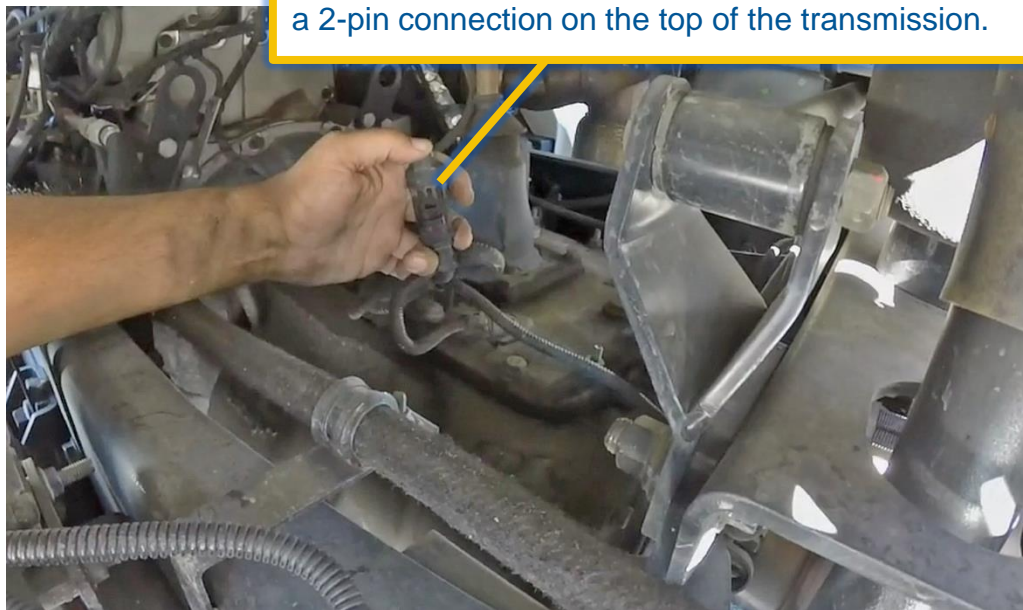
Check the large wire bundle behind/beneath the radio for the black J1939 splice block shown below. It may be taped underneath the bundle. Bring it out for ease of access, then connect using the Splice Block pigtail.



Engine Data: 2017+ Option 4

NOTE: Follow these instructions for vehicles with a green diagnostic port. The variations are shown in order of ease of install. Not all vehicles will have all three 2-pin options.

If none of the above options are available, there is a 2-pin connection on the top of the transmission.



Due to cable length limits, accessing the transmission point may require purchase of 2 J1939 extension cables, part L-016-0628.

