

RP1226 –Progressive Low Voltage Disconnect (PLVD)

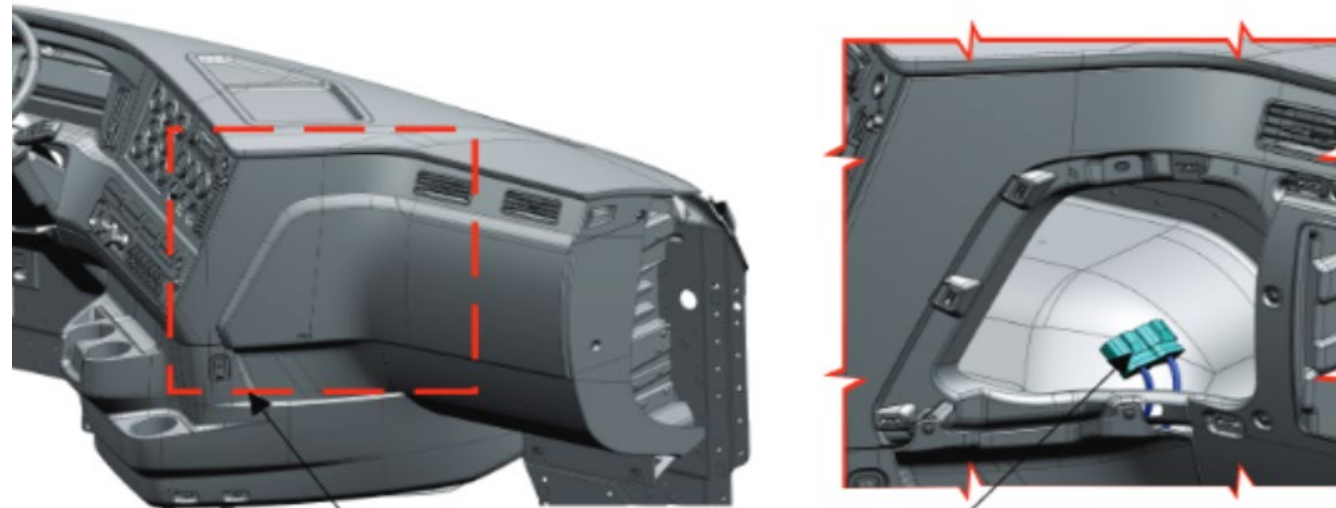


What is it?

The RP1226 connector is an industry standard 14-pin connector that allows third-party telematics, GPS, and accessories such as electronic logging devices (ELD) or fleet management systems to plug in and draw power and data from the truck. This enables a quick and clean connection, reducing complicated and expensive custom installations. These third party systems can continue to draw power and parasitic drains from the house batteries even after the truck is off, which can lead to “dead” batteries. Spec'ing Progressive Low Voltage Disconnect [PLVD (306-015)] and Battery Power Circuit Through Cut Off Switch When Equipped (78A-061) and making sure to correctly install and pin devices to the RP1226 PIN #1 ensures these devices will shut off when PLVD activates at 12.3 volts.

Why is it important?

Parasitic drains on the 12V house batteries from RP1226 accessories can lead to a truck not being able to start due to “dead” batteries -often requiring a jump-start, service call, or even a tow. Continued drain can eventually lead to premature wear and degradation leading to costly battery replacement.



RP1226 Connector LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL Shown

RP1226 –Progressive Low Voltage Disconnect (PLVD)



How to Spec:

- 306-015 PROGRESSIVE LOW VOLTAGE DISCONNECT (PLVD) AT 12.3 VOLTS FOR DESIGNATED CIRCUITS
- 6TS-(any) Any 6TS- UPFIT RP1226 CONNECTORS FOR ELD AND TELEMATICS

If additional 786-(any) is spec'd:

- 786-(any) Any specific or generic 786- 1226 POSITIONING AND LOCATION SYSTEM PREWIRE
- 78A-061 BATTERY POWER CIRCUIT THROUGH CUT OFF SWITCH WHEN EQUIPPED

RP1226 Pinout:

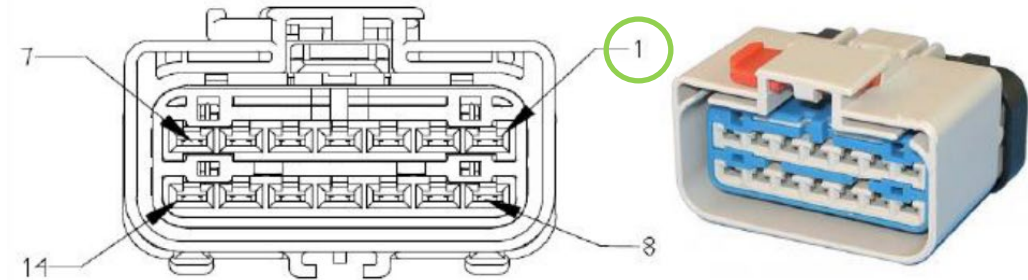
The third-party device's power supply must be pinned to RP1226 connector PIN #1 for PLVD to work. As spec'd above, PIN #1 on all RP1226 connectors (6TS- and 786-) are managed by the Progressive Low Voltage Disconnect (PLVD) battery management system, and will disconnect when house battery voltage drops to 12.3V. PIN #14 provides constant 12V power and is not managed by PLVD. Connecting to PIN #14 will provide constant power to components/accessories connected to RP1226 connectors on both 6TS- and 786-.

Affected models: Western Star 57X

Data Codes:

306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT (PLVD) AT 12.3 VOLTS FOR DESIGNATED CIRCUITS
78A-061	BATTERY POWER CIRCUIT THROUGH CUT OFF SWITCH WHEN EQUIPPED
786-(any)	Any specific or generic POSITIONING AND LOCATION SYSTEM PREWIRE
6TS-(any)	Any UPFIT RP1226 CONNECTORS FOR ELD AND TELEMATICS

RP1226 Connector Pinout –PIN #1 (6TS- & 786-)



Circuit	PIN
Switched Battery Power	1
Ignition	7
Ground	8
Constant Battery Power	14