

STG.NET Converter Boost Plug CBP-1

Overview

The Progressive Dynamics PD9245C Converter is used in the Winnebago Travato 59G and 59K models to maintain battery charge and power 12 volt appliances from shore or generator power. It intelligently switches charge level as needed to properly maintain and condition AGM batteries. When replacing the AGM batteries with Lithium batteries however, the preferred charge mode is to use the highest voltage output (14.4) called "Boost" mode, and prevent the converter from switching to the lower (13.6) voltage maintenance mode. This can be done by purchasing and installing the PD92201V Status Remote Pendant, which allows the mode to be viewed via an LED and the mode selected with a button. However, the converter will after a period of time revert to its normal operation rather than stay permanently in the boost mode even if selected with the pendant.

Boost Plug

The STG.NET CBP-1 plugs into the same remote port for the pendant and automatically forces the converter back to boost mode after it times out. The led signal is tied back to the switch input, so that when it starts to indicate a change in mode, the change back to boost is triggered.



Converter with boost plug installed

Installation in 59G

The Converter is located below the access panel at the bottom of the wardrobe closet (the space to the right of the fridge). After pulling up the access panel, the converter should be visible with the heat sink fins on top. Unfortunately, the way that the converter is installed usually makes it extremely difficult to locate the port to plug the CBP-1 into, and generally is only possible purely by feel. There are two common ways that Winnebago installs the converter:

Floor mounted

By spreading cables apart over the top of the converter, you can locate the "wizard" character on the top label. The port is located on the left side of the inverter, towards the rear of the van. Start at the wizard's hat and move towards where his legs would be and follow along the top and down the side to feel the location of the hole of the port. Arrange the CBP-1 plug with the locking fin downward (flat side with pins up) and insert into the port. Note: if there is a bundle of cables between the converter and the wall preventing access to the port, it may be necessary to remove the screw(s) on the right side of the converter to move it away from the wall.

Wall mounted

When mounted on the wall, the converter is generally arranged with the heat sink upwards, which puts the pendant port towards the floor. Observe the wizard character's orientation on the side of the converter, follow from his hat to where his legs would be and continue along the side to find the port. Arrange the CBP-1 plug with the locking fin towards the rear of the van (flat side with pins to the nose) and insert into the port.

Installation in 59K

The Converter is located under the head of the passenger side bed. Temporarily removing the 12 volt fuse panel (brown box above gray breaker panel) will provide convenient access to the converter. Remove the four screws in the corners of the fusebox and slowly pull it away from the side of the bed until the converter is visible through the hole. Plug the CBP-1 into the accessory port, and return the fusebox and its screws. Note: on 2022 and later years, the converter is mounted on the wall rather than a shelf above the breaker panel, and being further away it may not be reachable through the fusebox space. In that case, removing the bed top would be necessary to access it.

