
GENERAL INFORMATION

ProMaster vans are available with optional auxiliary switches (Sales Code LHL) and/or a rear HVAC switch. The rear HVAC switch is present when Rear Heat and AC Prep package (Sales Code HDG) is ordered. The switches are located in the switch bank in the instrument panel to the left of the steering column. These switches will provide the user a switchable electrical connection to pins in the Up Fit Interface Connector. The switch button marking for the Aux switches is self-explanatory. The Rear HVAC switch is marked with an image of a fan. If the van is not equipped with these packages, the switch bank will still be there but the individual switches will be blank. The three switches on the right side of the switch bank are IP backlighting control and cluster screen mode selection.



AUX 1

The Aux 1 switch is battery fed. In other words, when the switch is pressed, the output will be ON (V_{bat}) with the ignition key in ANY position. The Aux 1 switch output is on pin 15 of the Up Fit Interface Connector. This output is equipped with a 20 Amp fuse from the factory. That is the maximum allowable fuse rating for this output. It is fuse number F86 in the fuse block adjacent to the Up Fit Interface Connector. For connection information, please see the document titled UPFIT INTERFACE CONNECTOR under the “Electrical Wiring Information” section of the ProMaster Body Builder Guide.

ProMaster Auxiliary and Rear HVAC Switches

AUX 2

The Aux 2 switch is ignition fed. In other words, when the switch is pressed, the output will be ON (V_{bat}) with the ignition key in the RUN position only. The Aux 2 switch output is on pin 12 of the Up Fit Interface Connector. This output is equipped with a 20 Amp fuse from the factory. That is the maximum allowable fuse rating for this output. It is fuse number F87 in the fuse block adjacent to the Up Fit Interface Connector. For connection information, please see the document titled UPFIT INTERFACE CONNECTOR under the “Electrical Wiring Information” section of the ProMaster Body Builder Guide.

REAR HVAC

The Rear HVAC switch is a low side drive. In other words, when the switch is pressed, the output will be pulled to ground with the ignition key in the run position. The Rear HVAC switch output is on pin 14 of the Up Fit Interface Connector. It is designed to be a relay driver capable of handling a standard automotive 12 volt relay. The output is capable of handling a continuous current of 300 mA max. The output is not capable of driving the rear HVAC unit directly. A relay must be used. One side of the relay coil should be tied to either a battery or ignition source and the other side of the relay coil should be tied to pin 14. The rear HVAC module can be connected to power our ground through the relay contacts. For connection information, please see the document titled UPFIT INTERFACE CONNECTOR under the “Electrical Wiring Information” section of the ProMaster Body Builder Guide.