



Subject Installation of Upfitter (AUX) Switches
(9L7) components
Model Years 2019 and Beyond
Affected
Models Chevrolet Silverado (New Body Style only)
Affected GMC Sierra (New Body Style only)
Origination 6/10/2019
Date
Revision N/A
Date

ADVISORY:

NOTICE: This document is being provided as PRELIMINARY information regarding the installation of the upfitter (AUX) switches...it is incomplete, yet provides many of the details for installing the loose shipped components

Condition/Concern:

Beginning with the 2019 New Body Light Duty Full Size Pickup Trucks, the Upfitter (AUX) Switch option (9L7) will require, depending on model, some or all components will need to be installed to make the feature fully functional. The "kit" contents are based on the components installed by the vehicle assembly plant. Additionally, a GM Service Parts retrofit kit will be available to add the option to vehicle. For vehicles built without any components installed and the Service Parts retrofit kit, a replacement knee bolster with a "cut out" for the switch assembly, a switch assembly, an electrical center/harness combination, an electrical power harness, and a fuse kit are included. (see illustration below). For those vehicles where the switch bank and electrical center have been installed at the vehicle assembly plant the only components requiring installation are the power cable and fuse kit.



**NOTICE:**

Installation of the Upfitter (AUX) Switches and supporting components are NOT a GM Warranty or PDI covered labor cost. The installation of the switches/components are intended to be performed by the upfitter as a part of the overall vehicle upfit and the labor cost associated with that installation be covered in the upfitter's estimate to its customer. Installation, when performed by a GM dealer, the labor charges associated with that install are the responsibility of the customer/vehicle purchaser.

Repair/Recommendation:

To install the Aux switches, the knee bolster must be replaced. Start by removing the bolster following the Service Information using the link below. Prior to reinstalling the Knee Bolster follow the instructions in bulletin.

[Instrument Panel Knee Bolster Replacement](#)

While the knee bolster is removed, the Instrument Panel Auxiliary Fuse Block should be mounted, the connector for the switch bank assembly routed and secured, the gray connector to the IP harness connected, the power cable from the battery ran and secured (not yet connected to the battery) and lastly the fuse kit installed in the Battery Fuse Block. The installation of these components is outline in the steps/sections below.

Electrical Center mounting/connections:

1. Mount the IP Aux. Fuse block using the 2 screws in the locations circled in RED as shown in figure xx
2. Connect the 14-pin connector Aux Fuse Block to the connector shown in figure xx (note vehicle is shipped from the assembly plant with a blank connect in place to protect the terminals in the IP Harness).

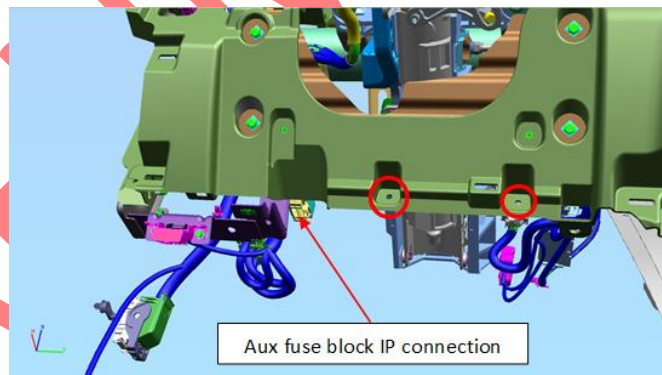


Figure tbd

3. Route the 16-pin switch bank connector through the opening in the Instrument Panel as shown in figure xxx

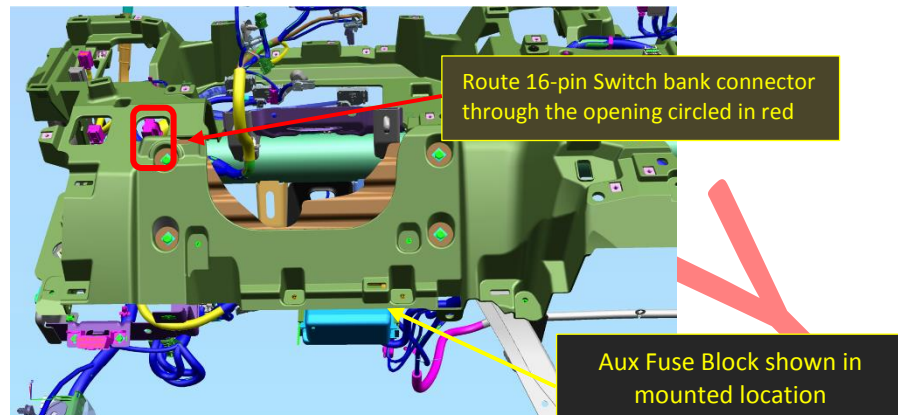
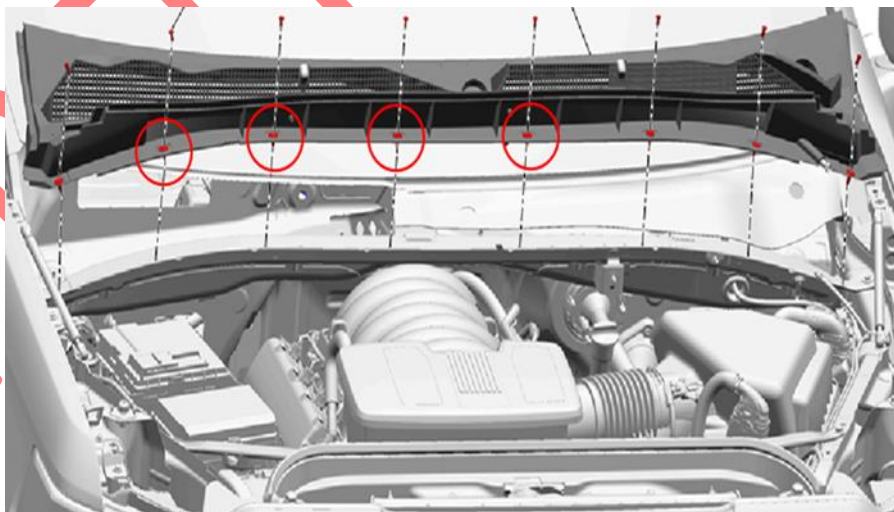


Figure xxx

Power Cable installation/routing:

4. Remove the 4 (circled in red) retaining push pins (only) for the Air Inlet Grill as shown in figure xxx
5. Secure the power cable using the new supplied push pins by inserting the push pin through the eyelets on the power cable and into the securing locations for the air inlet grill that were previously removed. The power cable end with ring terminal should be routed to the Battery Distribution Unit (BDU) (the fuse block mount to the top of the battery).
6. Route the power cable into the cabin as shown in figure xxx (note do not install wire terminal into connector body until after the cable is routed into the cabin)



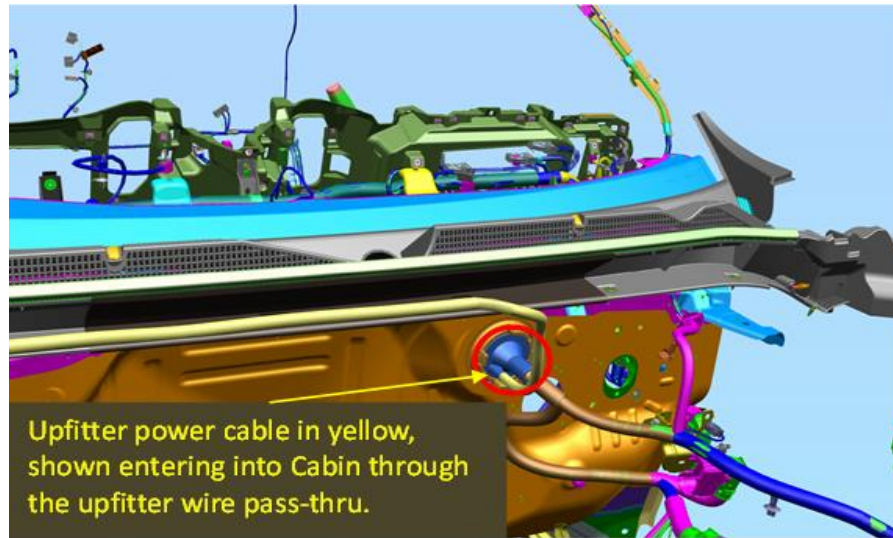
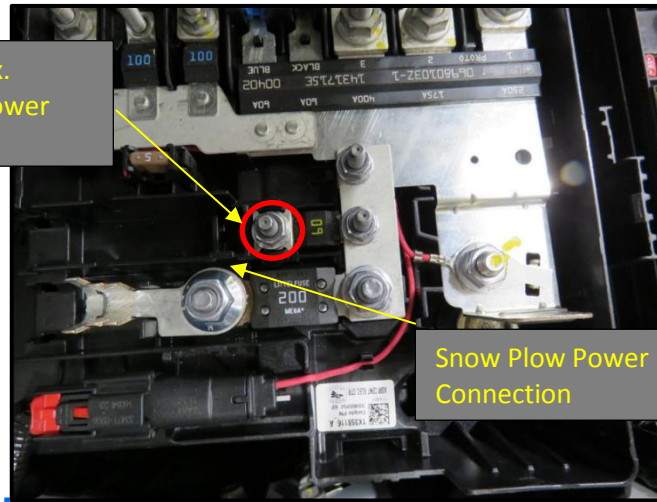


Figure xxx

7. Insert terminal on the power cable into the supplied connector body and connect the connector to the Aux. Fuse block
8. Secure any loose wires with nylon wire ties to prevent squeaks/rattle and harness rubbing/chaffing conditions
9. Install switches installed into the new knee bolster trim in the provided cut-out. Connect the switch connector/harness and any other electrical connections – Installed knee bolster and reassemble the removed components per the GM service procedure used to remove the knee bolster



Upfitter Switch Aux.
Electrical Center power
connection



Snow Plow Power
Connection

Adding Fuse Kit:

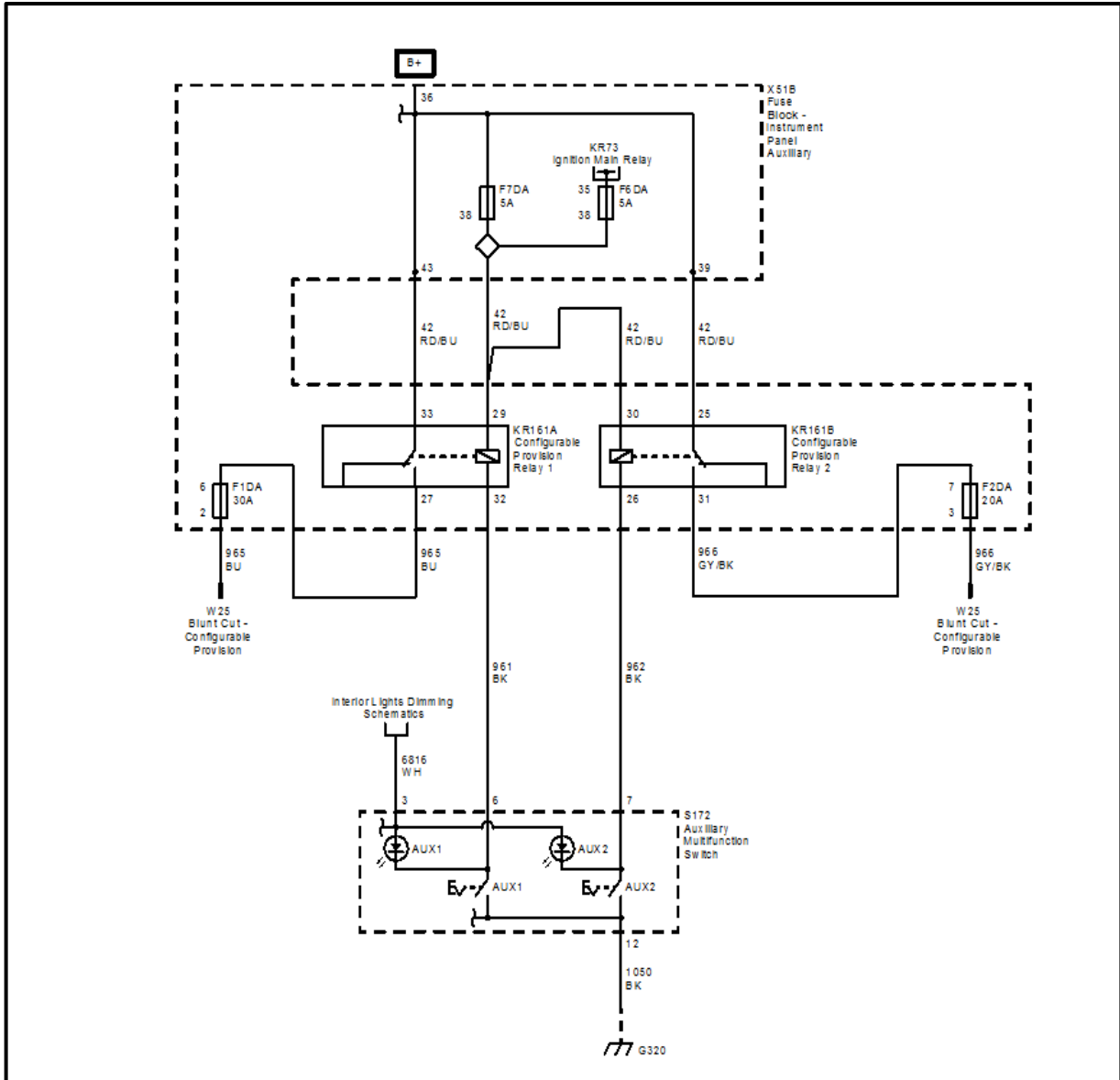
10. Once all "kit" components have been installed, the Aux Fuse Block can now be powered, for detailed instructions on adding the fuses to the battery mounted electrical center refer to the latest revision of UI Bulletin #147.
11. Following the installation of the fuse kit to the battery mounted electrical center, connect the power cable ring terminal to the 60-amp fuse output side stud.



Upfitter Provisions - 1 of 2 (9L7)

General Motors Upfitter Integration

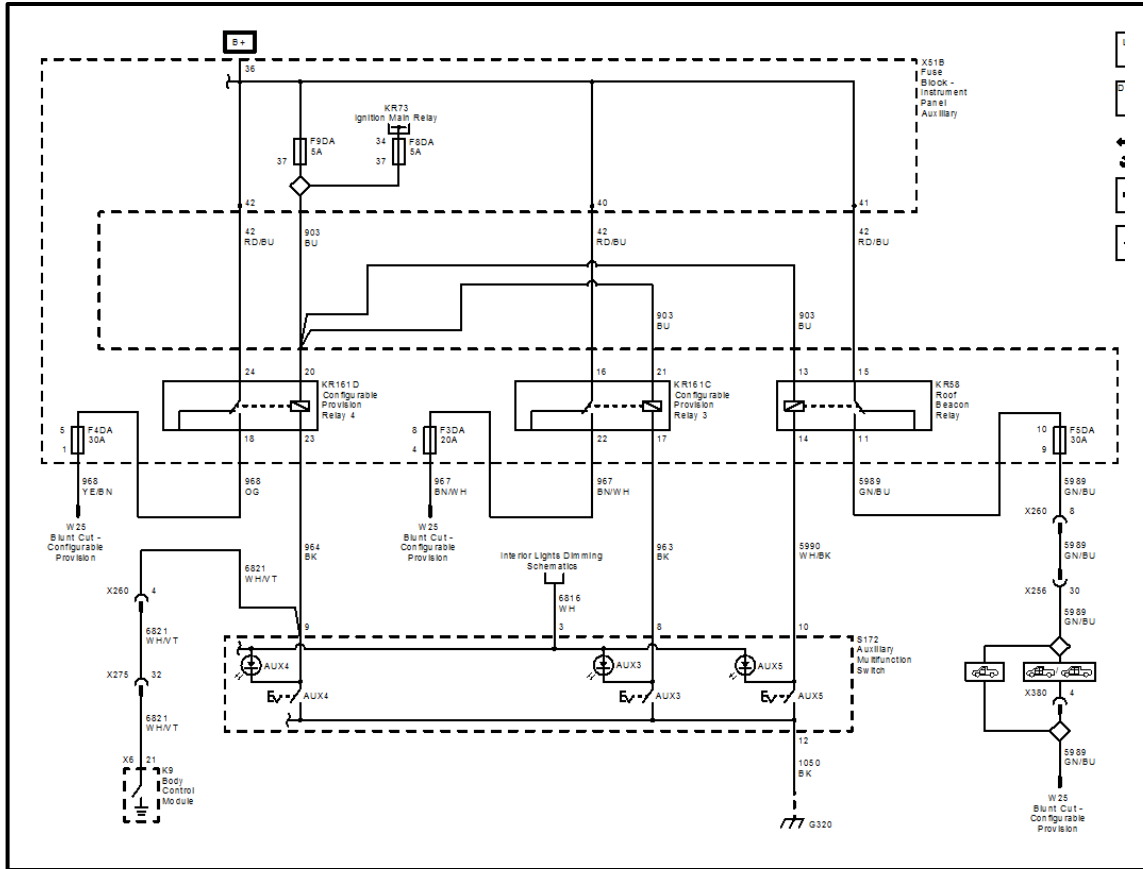
<http://www.gmupfitter.com>



Upfitter Provisions - 2 of 2 (9L7)

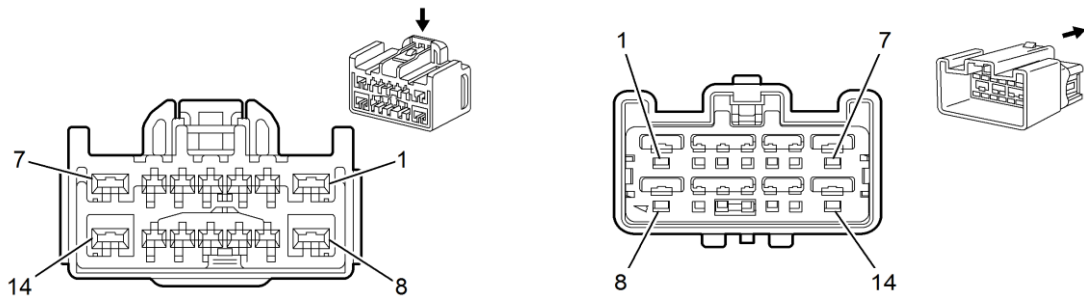
General Motors Upfitter Integration

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X260 Auxiliary Instrument Panel Harness to Instrument Panel Harness



Connector Part Information

- Harness Type: Auxiliary Instrument Panel
- OEM Connector: 10847017
- Service Connector: Service by Harness - See Part Catalog
- Description: 14-Way F 1.5, 2.8 Series (L-GY)

Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 10846900
- Service Connector: 88956523
- Description: 14-Way M 1.5, 2.8 Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
IV	13575824	J-35616-5 (PU)	J-38125-11A	7114-4112-02	Yazaki 9	C	D



X260 Auxiliary Instrument Panel Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	1050	I	—	Ground	1	2	BK	1250	IV	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.35	YE	6817	I	—	LED Backlight Dimming Control	3	0.5	YE	6817	III	—
4	0.35	WH/VT	6821	I	—	Surveillance Switch Signal	4	0.35	WH/VT	6821	III	—
5	0.5	WH/BU	3691	I	—	Trailer Brake Apply Signal	5	0.5	WH/BU	3691	III	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—
7	2	RD/VT	1242	II	—	Battery Positive Voltage	7	2	RD/VT	1242	IV	—
8	2.5	GN/BU	5989	II	—	Emergency Lamp Relay Contact Control	8	2.5	GN/BU	5989	IV	—
9 - 10	—	—	—	—	—	Not Occupied	9 - 10	—	—	—	—	—
11	0.35	WH	6816	I	—	Indicator Dimming Control	11	0.35	WH	6816	III	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	VT/GN	39	I	—	Run/Crank Ignition 1 Voltage	13	0.35	VT/WH	239	III	—
14	2	BU	47	II	—	Trailer Auxiliary Control	14	2	BU	47	IV	—

Additional Information:

General Motors Upfitter Integration

<http://www.gmupfitter.com>