



**Subject:** Upfitter Junction Block - Accessory Equipment Wiring

**Models Years Affected:** 2016 - Beyond

**Models Affected:** Chevrolet Express/GMC Savana  
Cut-away vans with RPO 9L7

**Origination Date:** January 12, 2016

**Revision Date:** November 1, 2017

## ADVISORY:

### Condition/Concern:

2016 and later Express/Savana cutaway models with RPO 9L7 will have two 30 amp fused power feeds for upfitter use. RPO 9L7 [*Wiring junction block equipment accessory*] provides the following:

- **Two 30A fused and relay switched power wires.** The default factory wiring provides for continuous power if the control switch is 'ON.' [Power does not go 'OFF' with key 'OFF.'] Upfitter equipment loads can be directly attached to these wires. Equipment ground wires are not provided.
- **Two control switch wires** [for relay operation]. Switches are not included.
- **One battery power feed wire 10 A** [B+ for the control switches]
- Easy in-cab access to the harness and connector [located near the Park Brake]. The connector half [with cut/taped leads] can be separated/disconnected for ease of connection/assembly.
- The power source is the Aux Battery. This arrangement protects the cranking battery from run down.
- An additional schematic shows how to accomplish an ignition switched arrangement.

### Note:

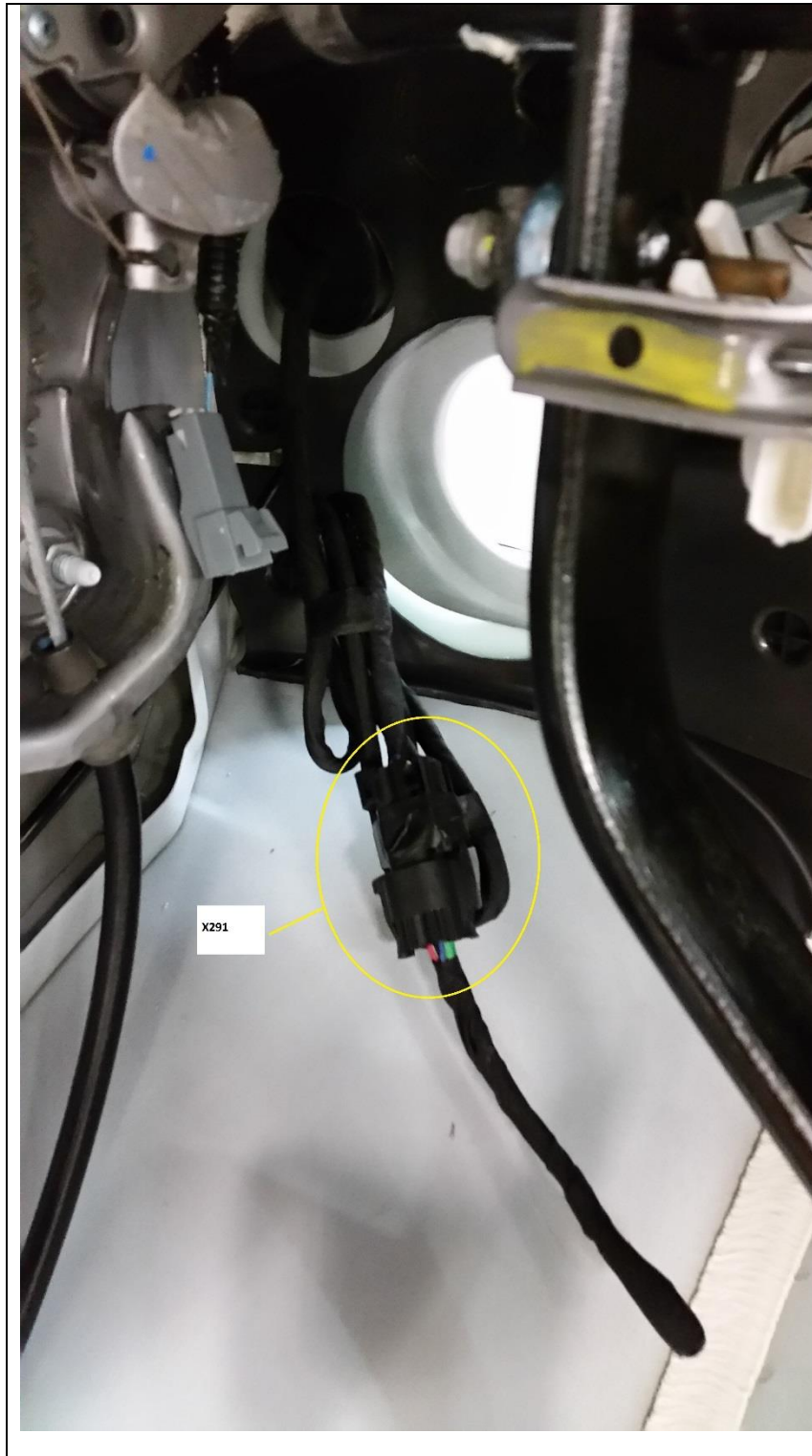
1. The Aux battery is isolated from the cranking battery during 'key off' and connected [for charging] when the engine is running.
2. Schematics below show both 'standard' continuous and Key Off connection schemes
3. 2016 9L7 power source was routed to the cranking battery. 2017 [and beyond] power source is routed to the Aux battery.

General Motors Upfitter Integration

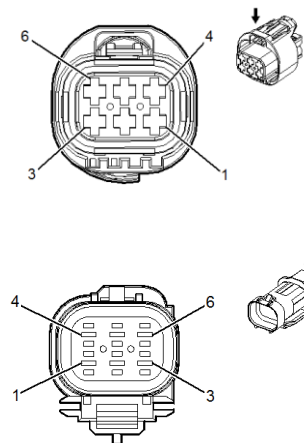
<http://www.gmupfitter.com>



## In-Cab View – Near Park Brake

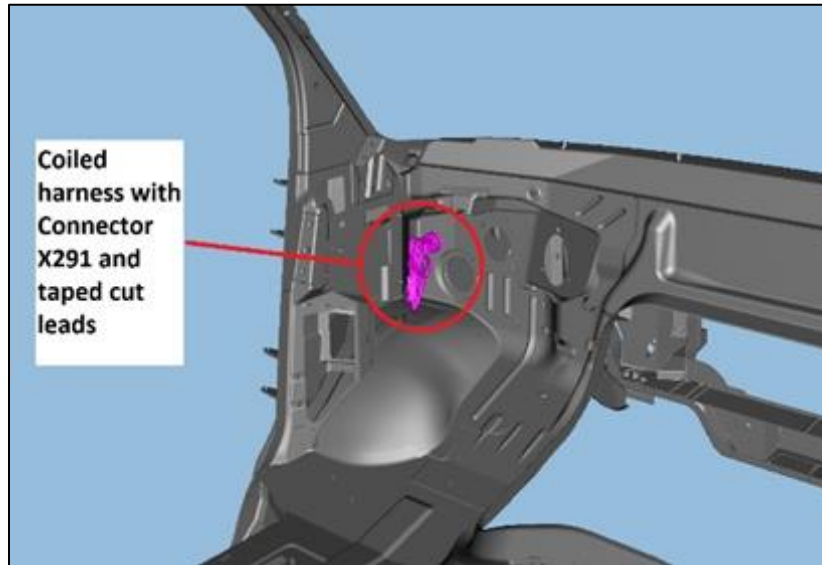


X291 Pin Chart			
Pin #	Color	Ckt #	Function
1	L-BU	6842	Relay 2 coil
2	L-GN	6839	Relay 2 switched power out 30A
3	D-BU	6843	Relay 1 coil
4	D-GN	6840	Relay 1 switched power out 30A
5	RD-BK	102	Battery Hot [for control switches] 10A
6	---	---	Not Used

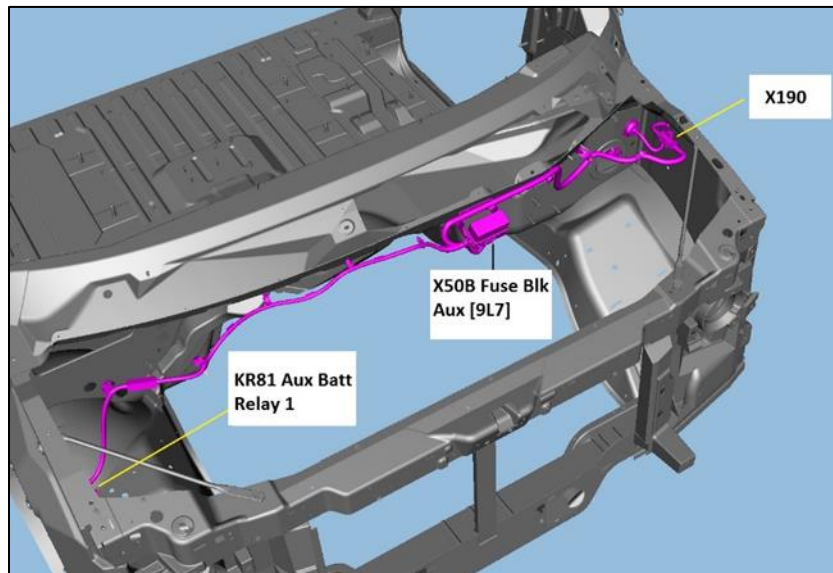




## In-Cab View



## Under Hood View

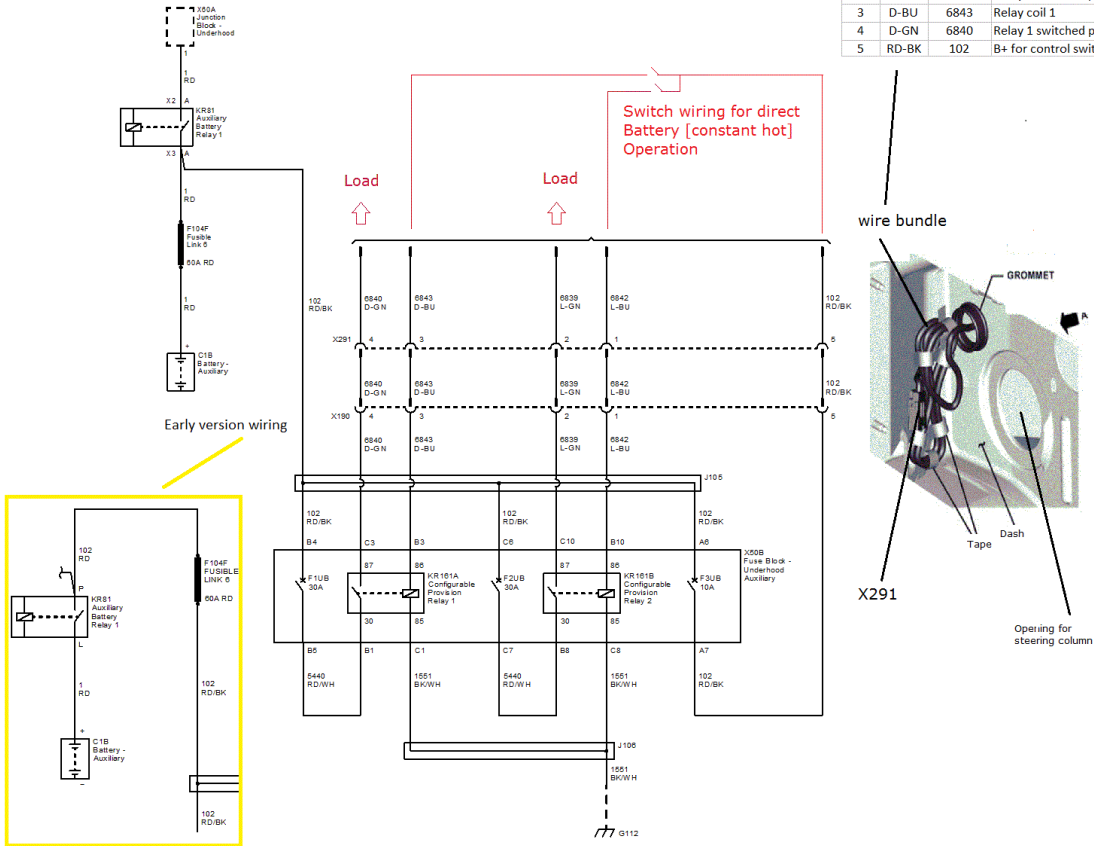




## Schematic 'standard continuous'

Items show in red must be added by upfitter/customer

Pin #	Wire Color	Ckt #	Function
1	L-BU	6842	Relay coil 2
2	L-GN	6839	Relay 2 switched power 30A
3	D-BU	6843	Relay coil 1
4	D-GN	6840	Relay 1 switched power 30A
5	RD-BK	102	B+ for control switches 10A





# Schematic – Key Switched

Items show in red must be added by upfitter/customer

