



# UI Bulletin #118c

## Upfitter Configurable

**Subject:** Auxiliary Circuits  
(9C1/5W4)

**Models Affected:** Chevrolet Tahoe PPV/SSV

**Model Years:** 2015 and Beyond

**Origination Date:** August 5, 2014

**Revision Date:** February 6, 2015

## ADVISORY:

### NOTICE:

The Under Hood Electrical Center (UEC) on vehicles manufactured on or after October 6, 2014 will no longer contain the electrical contact terminals for fuse cavities 70 and 78 to eliminate the possibility of creating a doubled power (Ignition and Battery) feed to the Auxiliary Switch circuits. The default power configuration is an ignition controlled 12v+ feed.

### Condition/Concern:

New for the 2015 Tahoe PPV/SSV are 4 relay controlled circuits for utilization when installing special first responder equipment.

These circuits are configured such that will provide the ability to add up to 4 Ignition 12v+ switched control circuits. These relay controlled circuits are powered by 2 fused (5A) Ignition 12v+ circuits that power the 4 control relay coils located in the Under-hood Electrical Center (UEC). The bundled wire harness labeled 5W4/9C1 located at the center floor "hump" are the control relay circuits which when upfitted with (closed) switch to ground provide activation of the control relay.

The 4 control relays, upon activation, provide a fused (30A) power source to one of the 4 wires also located in the 5W4/9C1 wire harness inside the vehicle passenger compartment.

### Switched Circuit/Relay outputs:

The relay control circuit wires (961,962,963 and 964)/relay outputs (965, 966. 967 and 968) from the switches are located at or near the center console area as shown in Refer to Figure 1

## General Motors Upfitter Integration

<http://www.gmupfitter.com> • 1-800-875-4742 (Upfitter Hotline)

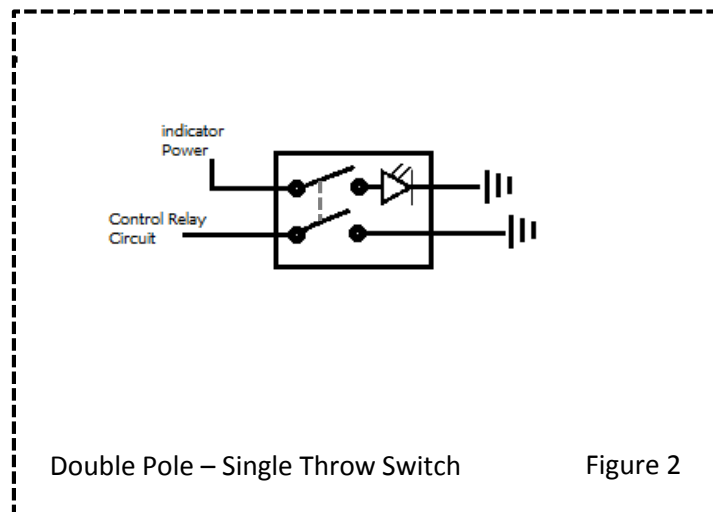


Figure 1



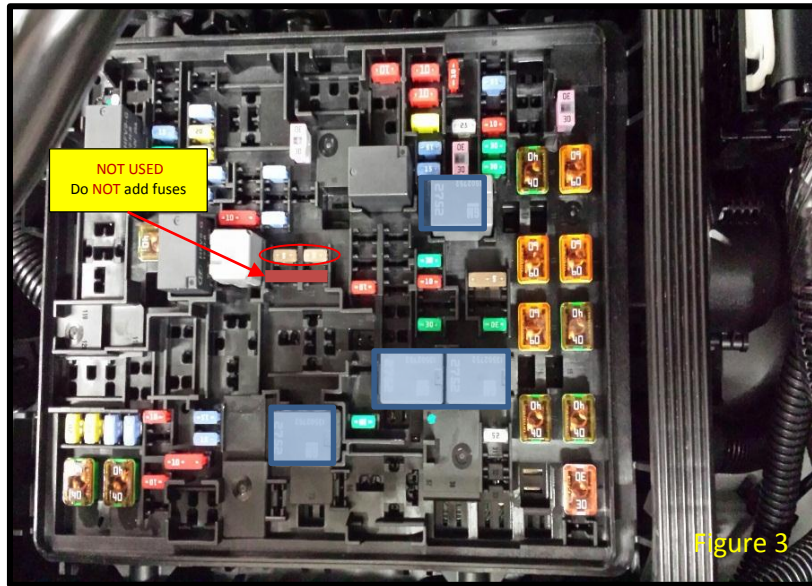
**NOTICE:**

When using switches with illuminated status (On/Off), the indicator circuit must be isolated from the switched control circuit(s). See figure 2 below for a sample mechanization.



Double Pole – Single Throw Switch

Figure 2



The figure (3) above shows the relative fuse and relay UEC locations used for this feature

## Under-hood fuse Block Label

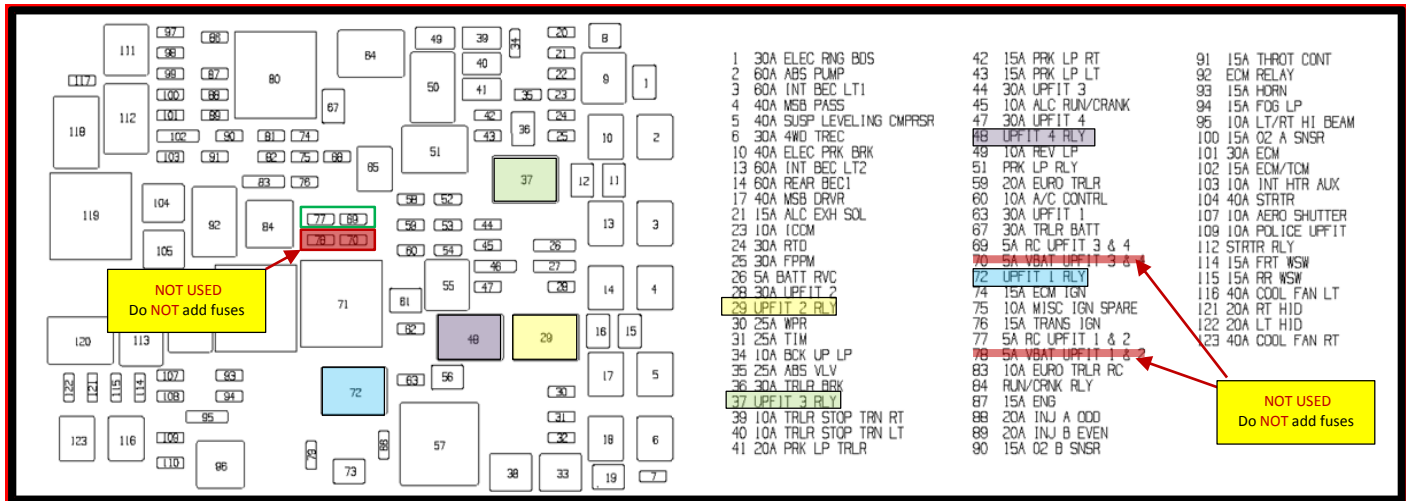


Figure 4

NOTE: In the above illustration the green outlined squared area reflects the fuses (and locations) used for the powering of the switched controlled (5W4/9C1) circuits. The color shaded relays are the switched controlled relays.

(Note: locations 70 and 78 are NOT used and should NOT be populated with fuses)

## Wire Harness Pass-thru location



Figure 5

Figure 5 shows the location of the upfitter wire harness pass through

### General Motors Upfitter Integration

<http://www.gmupfitter.com> • 1-800-875-4742 (Upfitter Hotline)

## Wiring Schematic

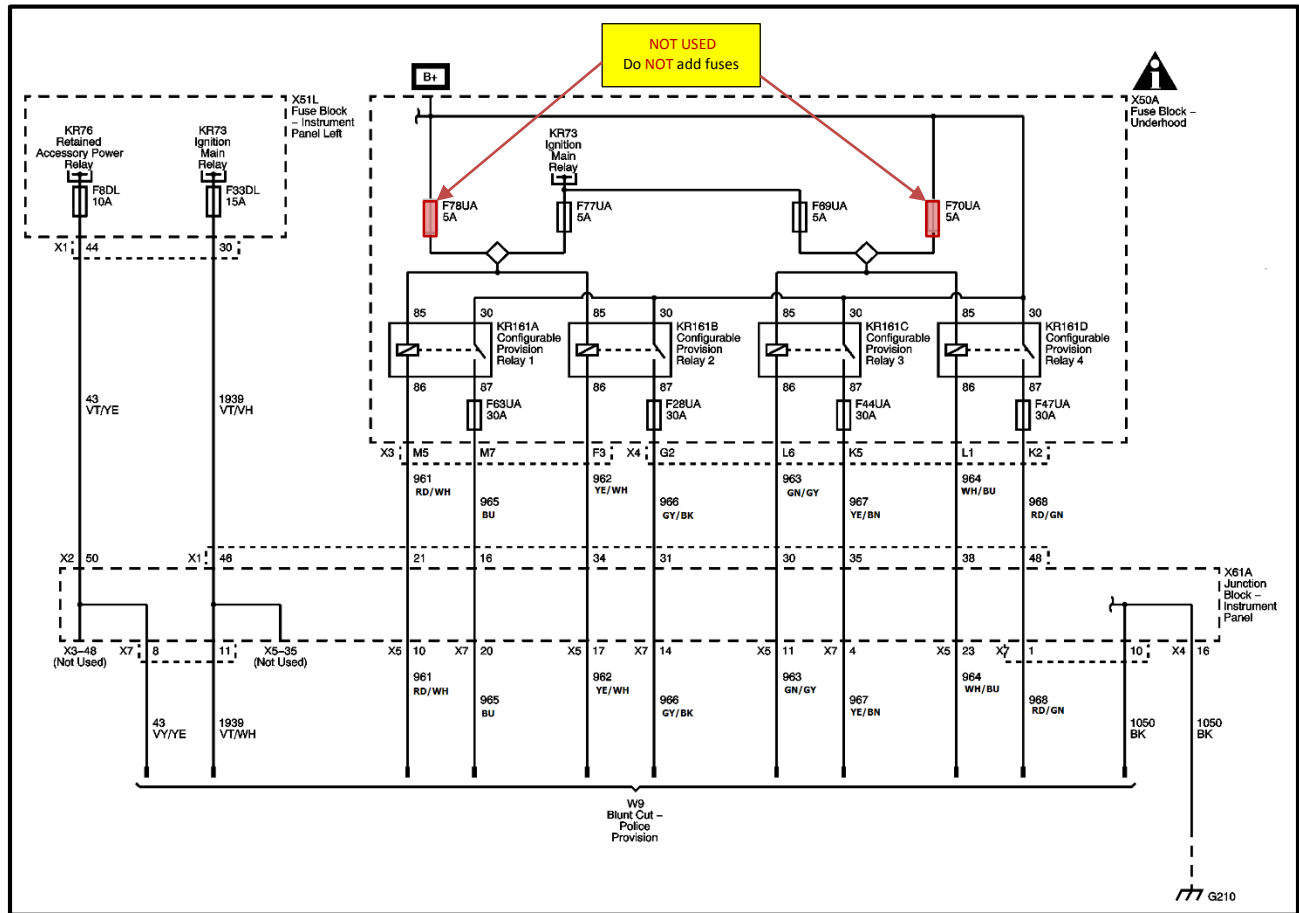


Figure 6

Control Circuit (Switched to Ground relay activation-see note below)	Output Circuit (30 amp relay controlled circuit#/relay No./position)
Circuit 961 (red/white)(upfitter relay 1)	Circuit 965 (blue)(upfitter Relay 1(#72))
Circuit 962 (yellow/white) (upfitter relay 2)	Circuit 966 (grey/black) (upfitter Relay 2(#29))
Circuit 963 (green/gray) (upfitter relay 3)	Circuit 967 (yellow/brown)(upfitter Relay 3(#37))
Circuit 964 (white/blue) (upfitter relay 4)	Circuit 968 (red/green) (upfitter Relay 4(#48))

**NOTE:** placing a switched control ground on any one of the controlled circuits in the LH column of the table above will activate the corresponding output circuit in RH column when the Ignition is in the "ON" position

### General Motors Upfitter Integration

<http://www.gmupfitter.com> • 1-800-875-4742 (Upfitter Hotline)