

## **BOM601-B Blackout Module**

2015 - 2016 Chevy Tahoe SSV and PPV (U.S. Vehicles Only)  
2016 Silverado SSV (U.S. Vehicles Only)



### **Introduction**

The BOM601 module has the ability to eliminate all exterior lighting to aid in covert operations. When activated, it will eliminate the parking lamps, reverse lights, and the Service Brake lights. The BOM601 will utilize the Tahoe's "Surveillance Feature" to eliminate the interior lights. "Surveillance feature" is not available for the Silverado. Maximum speed can be set between 5-20 mph to automatically return brake lights for safety purposes.

### **CAUTION**

All electronic products are susceptible to damage from Electrostatic Discharge or ESD. Ground yourself before handling or working with the module and harnessing by first touching chassis ground, such as the barrel of the cigarette lighter.



### **Installation Instructions**

**Disconnect vehicle battery before proceeding with installation**



#### **WARNING**

Disconnect the battery to prevent setting a check engine light.

### **IMPORTANT - READ BEFORE INSTALLATION**

It is the installer's responsibility to route and secure all wiring harnesses where they cannot be damaged by sharp objects, mechanical moving parts and high heat sources. Failure to do so could result in damage to the system or vehicle and create possible safety concerns for the operator and passengers.

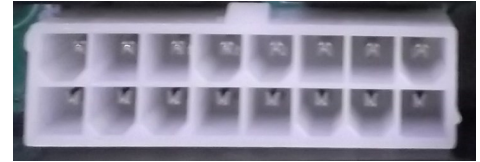
It is important to avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Also avoid radio frequency energy from antenna's or inverters next to the module. Finally, avoid high voltage spikes in vehicle wiring by always using diode clamped relays when installing upfitter circuits.

### **BOM601 Module**

Remove the lower dash panel below the steering column area and find a suitable location to mount the BOM module. Locate the module in an area away from any external heat sources (engine heat, heater ducts, etc.). Do not mount the module until all wire harnesses are routed and secure. The last step is to mount the module.

### **PTM 16w Minifit Jr**

Pin #3 - Black, connect female bullet to male bullet from the included momentary push button (photo below).



**16 Pin Connector**

### **4w Minifit Jr**

Pin #1 - Not Used

Pin #2 - Blackout Input, Active Low, Violet/White wire, momentary low to activate Blackout Mode. Connect the female bullet to the male bullet from the included momentary push button (photo below).

Pin #3 - Not Used

Pin #4 - Not Used



**4 Pin MiniFit Connector**

### **Momentary Push Button**

Drill a 16mm (0.630") hole in the desired mounting location. Route the momentary push button harness through the hole and mount the button in the hole. Connect the bullets to the mating bullets from the BOM601 module.



## 4W SABRE

Pin 1: Not Used

Pin 2: Not Used

Pin 3: Not Used

Pin 4: BOM Output (Purple)

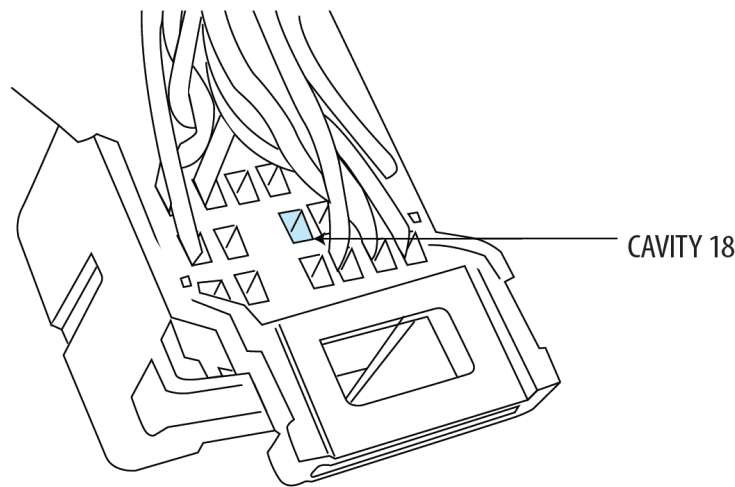


**4 Pin Sabre Connector**

## BOM Output TAHOE ONLY

The BOM output must be hooked up to the Tahoe Surveillance feature which disables exterior and interior lighting.

1. Located the Light Blue colored BCM connector near the service brake.
2. Take the purple wire included in the kit and place in cavity 18 as shown below.
3. Ground wire and verify the cluster dims.
4. Securely route the wire to the Blackout output Pin 4 of the 4 pin black connector.



## BOM Output SILVERADO

The Silverado trucks do not have the Surveillance mode feature so the output should be hooked up to an LED to indicate when Blackout Mode is active. The output will be ground when BOM is active. (LED is not included.)

## Blackout Mode Post Installation Instructions

Preferably test with two people so one person can activate the rear sensors.

1. Turn ignition key on (to "Run").
2. Apply the Parking Brake and Turn Off all lights (High Beams, Low Beams, and Parking Lights).
3. Apply Blackout mode input (included momentary button).
4. Blackout output (Purple) will be Ground, verify cluster dims.
5. Hold Service Brake and verify the Brake lights are disabled.
6. Turn on Low Beams , Blackout output (Purple) will be floating.
7. Hold Service Brake and verify the Brake Lights are ON.
8. Turn Off all lights (High Beams, Low Beams, and Parking Lights).
9. Apply Blackout mode input (included momentary button).
10. Blackout output (Purple) will be Ground
11. Place transmission in Reverse and verify the reverse lights are not ON.
12. Turn on Low Beams and Cluster lights will turn back on
13. Verify that the Reverse Lights are On.

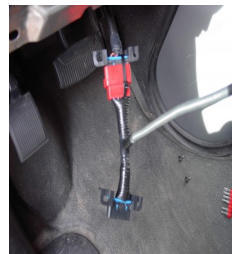
If the BOM601 fails any step in the Post Installation Test, call InterMotive Technical Support at (530) 823-1048.

## BOM601 Module Mounting

Ensure all harness are properly connected and routed, and are not hanging below the dash area. Mount the BOM601 module using screws or double sided tape. Reinstall the lower dash panel.

## Data Link Harness

1. Locate the vehicle OBDII Data Link Connector. It will be mounted below the lower left dash panel.
2. Remove the mounting screws for the OBDII connector. Plug the Red connector from the BOM601 Data Link Harness into the vehicle's OBDII connector. Ensure the connection is fully seated and secure the connectors together with the supplied wire tie.
3. Mount the Black pass-through connector from the BOM601 Data Link Harness in the former location of the vehicle's OBDII connector.
4. Secure the BOM601 Data Link harness so that it does not hang below the lower dash panel.
5. Plug the free end of the Data Link harness into the mating 6-pin connector on the BOM601 module.



# Blackout Mode

## Introduction

- The Blackout module has the ability to eliminate all exterior lighting to aid in covert operations. This includes parking lamps, reverse lights, and Service Brake lights. Its intended use is for Police Tahoe or Silverado. A maximum speed can be set to automatically return brake lights for safety purposes.

## Blackout Input

- The Violet/White wire (Pin 2 of the 4 pin connector) input is used to enable Blackout Mode. The input requires a momentary push button (included).

## Blackout Status Output

- The Purple wire will be ground when Blackout mode is active. Connect to BCM.

## Blackout Mode Operating Instructions:

To enter Blackout Mode. ALL preconditions must be met.

- Headlamp Switch must be in the OFF position.
- Speed must be below configured maximum speed (5-20).
- Low Beams, High Beams, Parking Lamps must be turned off.
- Enable Blackout Mode by pressing the included momentary button.

## **Blackout Output will be Ground when Blackout Mode is active.**

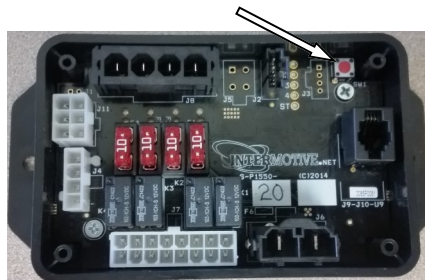
To exit Blackout Mode any condition may be applied:

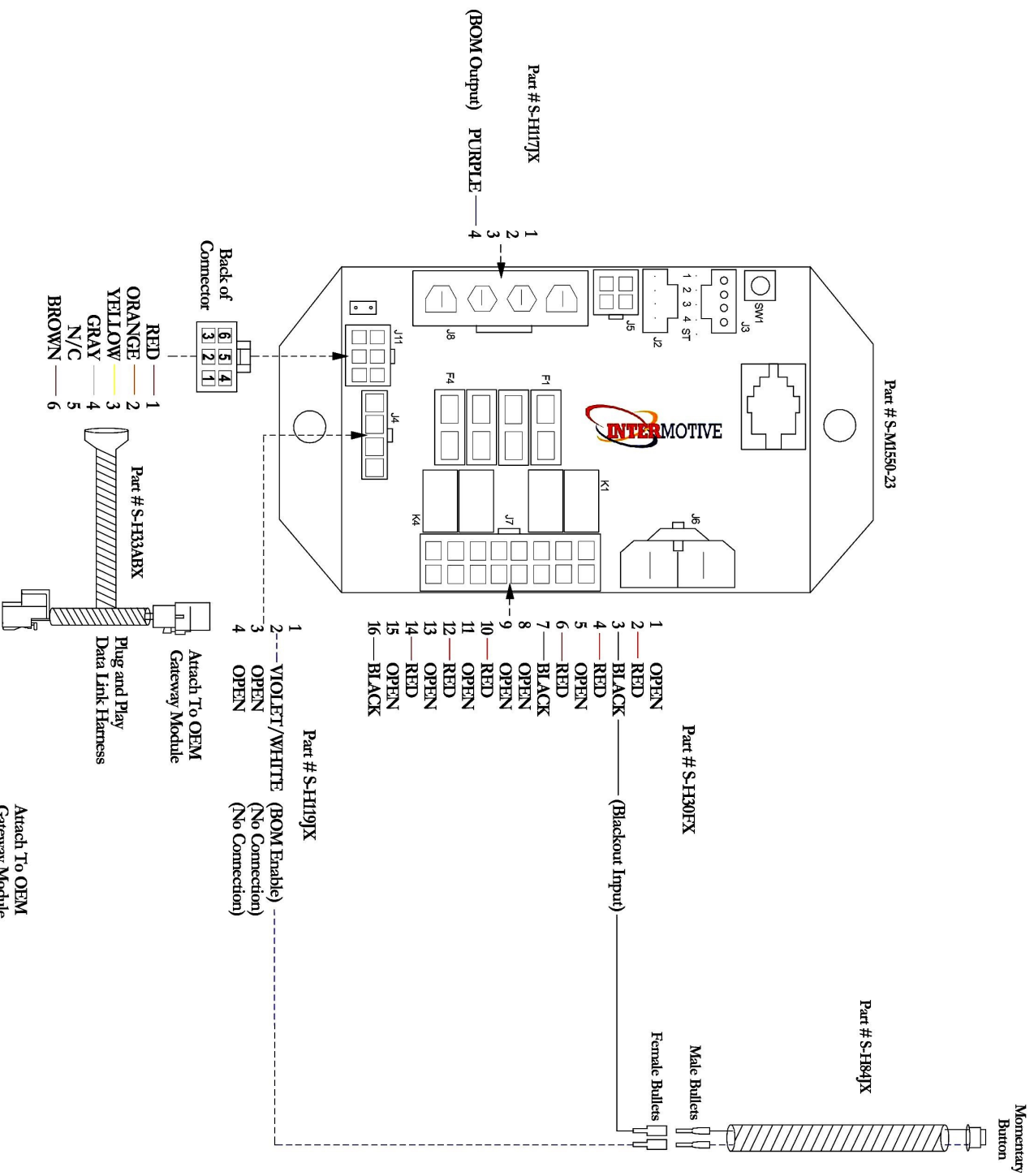
- Turn on any lights (DRL, Low, High, Parking).
- Vehicle is moving above maximum speed.

## Diagnostics

Diagnostic mode is entered by pressing the test button on the module. The module provides diagnostic LEDs which illuminate according to the following table. There are multiple pages of diagnostics and the page can be determined by the Status LED. Pressing the test button will cycle through the different pages.

STATUS LED	1-1	2-2	3-3	4-4	5-5
LED 1	Internal use	Internal use	Low Beams	Internal use	Blackout Enabled
LED 2	Internal use	Internal use	High Beams	Internal use	Blackout Disabled
LED 3	Internal use	Internal use	VSS < Max Speed	Internal use	Not used
LED 4	Internal use	Internal use	Speed Cancel	Internal use	Not used





**Submit product registration at [www.intermotive.net](http://www.intermotive.net)**

If the BOM fails any step in the System Operation Test, review the installation instructions and check all connections.

If necessary, call InterMotive Technical Support at (530) 823-1048