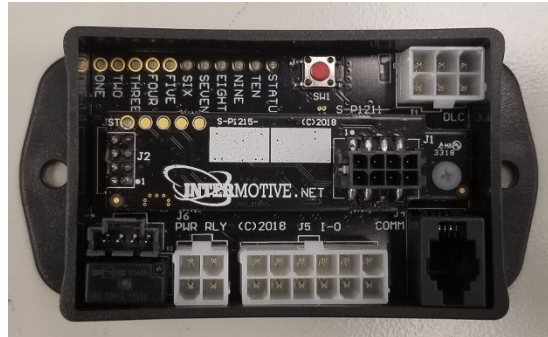


# C-BOM760 (Blackout Module)

2018-2021 Dodge Durango Pursuit



## Introduction

The C-BOM760 module has the ability to eliminate all exterior lighting to aid in covert operations. When activated, it will eliminate the parking lamps, reverse lights, service Brake lights, and the daytime running lights. Maximum speed can be set between 5-20 mph to automatically return brake lights for safety purposes.

## Installation Instructions

**Disconnect vehicle battery before proceeding with the 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.

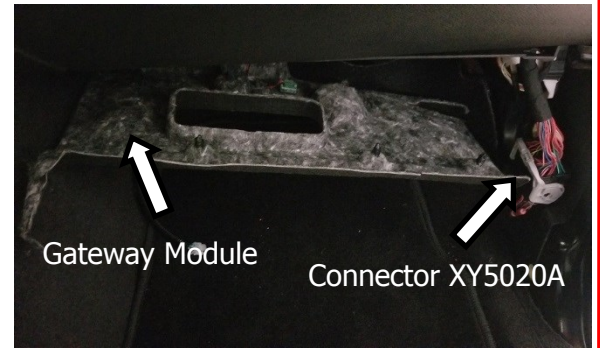
It is important to avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Also avoid radio frequency energy from antenna's or inverters next to the module. Finally, avoid high voltage spikes in vehicle wiring by always using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

## BOM Module

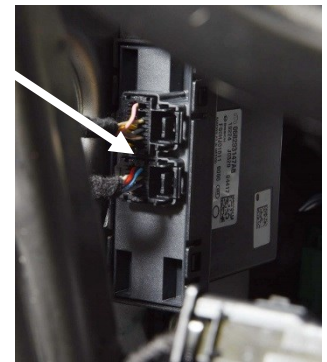
The Gateway module is located in the passengers side of the vehicle, find a suitable location to mount the BOM module. Place the module in an area away from any external heat sources (engine heat, heater ducts, etc.). Do not mount the module until all post installation testing is complete and wire harnesses are routed and secure.

### Data Link Harness (6-pin connector on module)

The Durango has a "Gateway" module connected to the OBDII connector. The BOM's data link harness T's into both an 8 pin and 12 pin connector on this gateway module.



1. Locate the vehicle's Gateway module located on the left side of the glove box.
2. Remove the 12-pin and 8-pin connectors from the Gateway module and plug in the 12-pin and 8-pin connectors from the Intermotive C-BOM760 Data Link harness. Plug the OEM 12-pin and 8-pin connectors into the mating connectors on the C-BOM760 Data Link harness.
3. Plug the free end of the Data Link harness into the mating 6-pin connector on the C-BOM760 module.

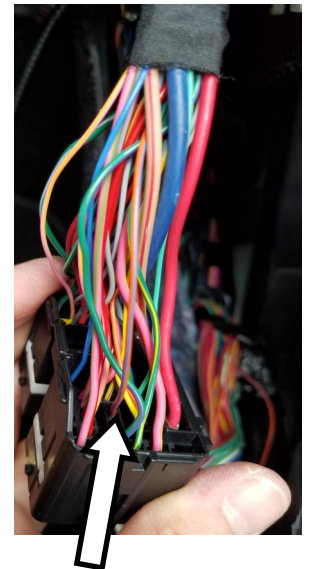


Durango gateway module with 8 & 12 pin connectors.

### Required Wire Connection

The BOM760 must connect into the Orange/Blue wire on the inline connector XY5020A on the right hand side of the glove box. The side panel must be removed from to get to the connector. **Note: Must be installed for all features to work.**

1. Locate the Orange/Blue wire on connector XY5020A on the passenger side on the vehicle.
2. Cut the wire 3 inches **above** the connector.
3. Put the Ignition in Run position and confirm the steering wheel buttons do not work.
4. Attach the harness side of the Orange/Blue wire to the Orange/Blue wire on S-H132CX harness.
5. Attach the connector side of the Orange/Blue wire to the Blue wire coming from the S-H133TDXharness.



Orange/Blue wire on XY5020A

## Blackout Mode

- The Blackout Mode has the ability to eliminate all exterior lighting to aid in covert operations. This includes parking lamps, reverse lights, and Brake lights. A maximum speed 'exit speed' can be set to automatically return brake lights for safety purposes.

### Blackout Input

- Center Right Button behind the steering wheel.

### Blackout Status Output

- The Yellow wire (Pin 8 of the 12 pin connector) will be +12 volts when Blackout Mode is active. Connect to LED with integral resistor.



### Blackout Mode Operating Instructions:

To enter Blackout Mode, all five preconditions must be met:

- Ignition must be on
- Speed must be below configured maximum speed (5-20 mph).
- Push enable button to enter Blackout Mode.
- The instrument cluster will dim down when Blackout Mode is engaged.
- Blackout Status Output will be +12v when Blackout Mode is active.

**Note:** the Instrument panel may flash intermittently if the backlighting is not dimmed down. See next page to turn off cluster.



To exit Blackout Mode any condition may be applied:

- Press Center Right button
- Drive vehicle above configured speed.

## How to turn OFF Cluster Backlighting



Place headlight switch in the Parking or Low beam position .

Rotate the left dimmer control to the extreme bottom OFF position. The interior lights will remain off when the doors are open, and the BOM will mute the driver door related chimes.

## Blackout Mode Post Installation Test

Perform the following tests before mounting the module, to allow viewing of the diagnostic LED's, if needed.

1. Start vehicle
2. Push Blackout enable button.
3. Verify the cluster brightness goes down.
4. Holding Service Brake down, place transmission in Reverse
5. Have helper verify that neither the brake nor backup lights are on.
6. Blackout Mode output (Yellow wire) should be 12 Volts
7. Disable Blackout Mode by pressing enable button.
8. Verify the brake and backup lights now function properly.

**DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS**  
**Contact InterMotive at 530-823-1048 for technical assistance**

## Blackout Mode 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. To exit this mode, cycle the key.

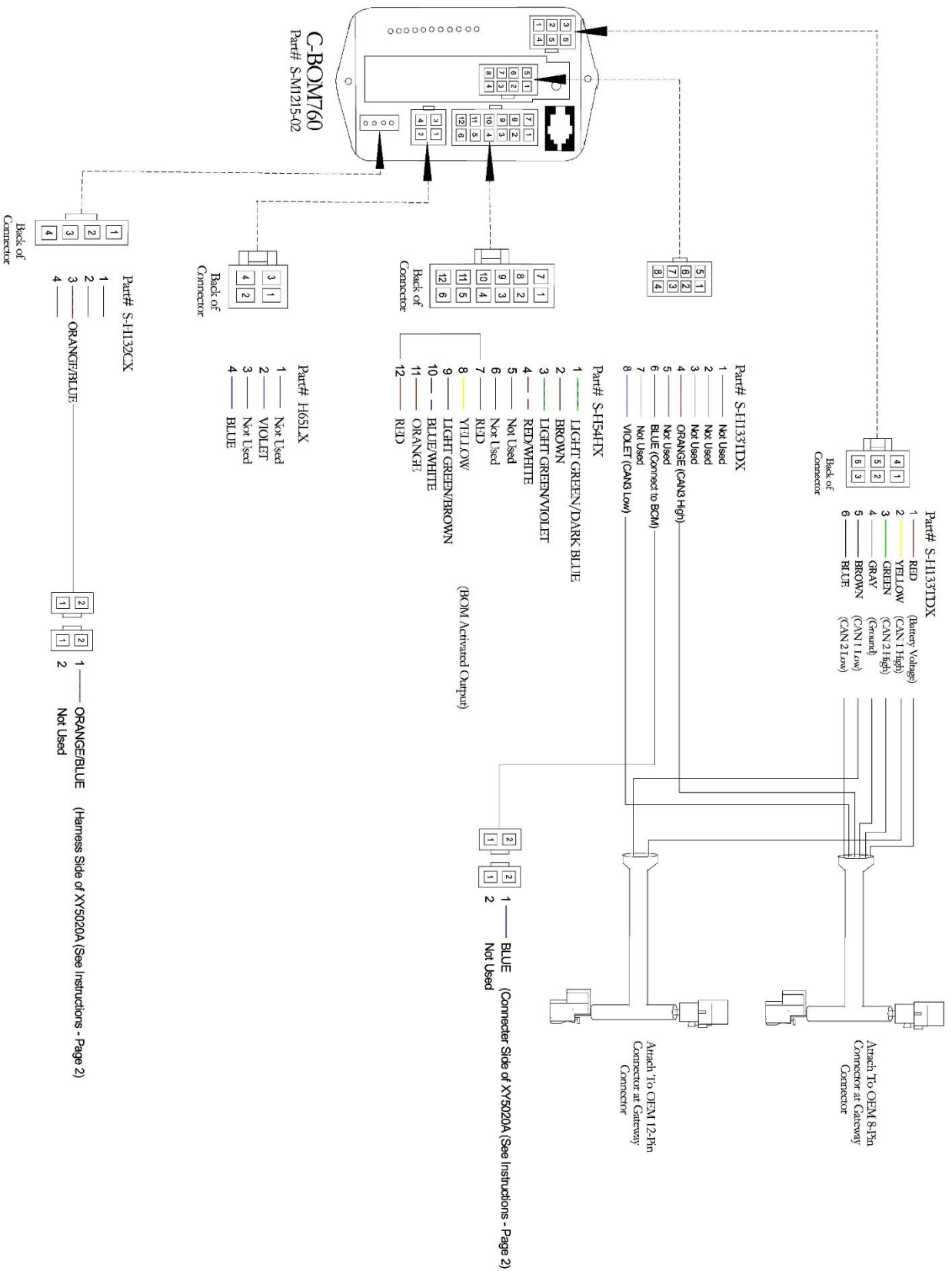
**For diagnostics for the Blackout Mode portion of the BOM module, momentarily press the Test button Three times. The Status LED will Flash 3 times repeatedly.**

LED #	Diagnostic Mode LED Descriptions
1	Blackout Mode Active
2	VSS less than 15mph
3	Low Beams Off
4	High Beams Off
5	Park Lamps Off
6	DRL Off
7	Cluster Off
8	Blackout Input Status
9	Speed Inhibit Enabled



Press Test button 3X to enter Diag. Mode

U.S. Patent #9,469,261



**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