

C-BOM701-B (Blackout Module)

2018-2020 Dodge Charger Pursuit



Introduction

The C-BOM701-B 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.



WARNING
Disconnect the battery to
prevent setting a check engine
light.

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.

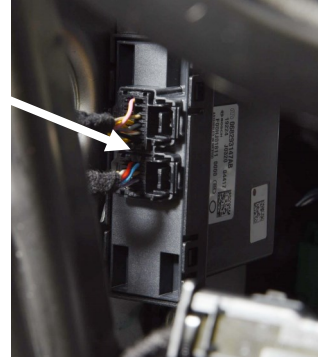
It is important to avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Also avoid radio frequency energy from antenna's or inverters next to the module. Finally, avoid high voltage spikes in vehicle wiring by always using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

BOM Module

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 post installation testing is complete and wire harnesses are routed and secure.

Data Link Harness (6-pin connector on module) The 2018-2020 Charger 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.

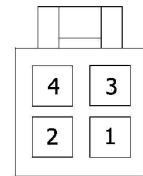
1. Locate the vehicle's Gateway module located next to the BCM and above the Park Brake.
2. Remove the 12-pin and 8-pin connectors from the Gateway module and plug in the 12-pin and 8-pin connectors from the Intermotive C-BOM701 Data Link harness. Plug the OEM 12-pin and 8-pin connectors into the mating connectors on the C-BOM701 Data Link harness.
3. Plug the free end of the Data Link harness into the mating 6-pin connector on the C-BOM701 module.



Charger gateway module with 8 & 12 pin connectors.

Blackout Input

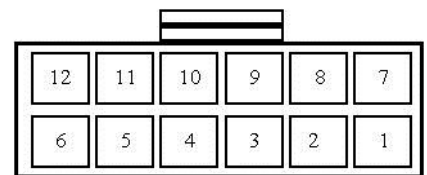
- The Pink/Black wire (Pin 1 of the 4 pin connector) is used to enable Blackout Mode. The input requires a momentary push button (included) connected to +12V.



Back of Connector

Blackout Status Output

- The Yellow wire (Pin 8 of the 12 pin connector) will be +12 volts Blackout mode is active. Connect to an LED. (not included)



Back of Connector

Chime Mute Input

- The Green/White wire (Pin 5 of the 12 pin connector) is the input used to enable Chime Mute. The input requires a latching switch connected to Ground.

How to turn OFF Cluster Backlighting



Rotate the left dimmer control to the extreme bottom OFF position. The interior lights will remain off when the doors are open.

How to turn OFF Daytime Running Lights

US Vehicles only (Optional on firmware 4.61 and above)

Touch the Settings hard key, then Touch "Lights" soft-key.



Touch the Daytime Running Lights soft-key to change this display. When this feature is selected, the headlights will turn on whenever the engine is running. To make your selection, touch the Daytime Running Lights soft-key and select OFF.

The Daytime Running Lights will turn ON the first time the vehicle is shifted out of PARK, and remain ON unless the Parking brake is applied. Upon Returning to the PARK position, the DRL's will turn OFF.

Post Installation / Check List

The following checks must be made after installation of the system, to ensure correct and safe operation of the lift. If any of the checks do not pass, do not deliver the vehicle. Recheck all connections per the installation instructions.

1. Turn ignition key on (to "Run").
2. Cluster brightness must be turned Off.
3. Apply Blackout mode input (press momentary button).
4. Blackout output (Yellow) will be +12 Volts
5. Hold Service Brake and verify the Brake lights are disabled.
6. Disable Blackout Mode by turning the cluster brightness to the On position.
7. Hold Service Brake and verify the Brake Lights are ON.
8. Apply Blackout mode input (press momentary button).
9. Blackout output (Yellow) will be +12 Volts
10. Place transmission in Reverse and verify the reverse lights are not ON.
11. Disable Blackout Mode by turning the cluster brightness to the On position.
12. Verify that the Reverse Lights are On.

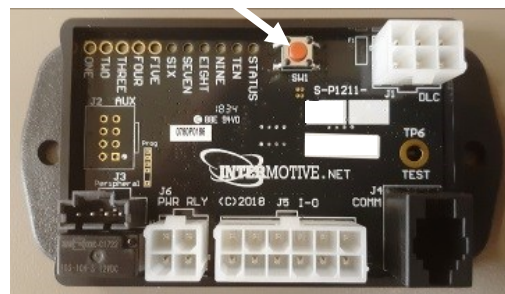
DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS
Contact InterMotive at 530-823-1048 for technical assistance

Blackout Mode Diagnostics

For Blackout Mode diagnostics, press the Red "Test" button Three times. The Status LED will Flash 3 times repeatedly. The module provides diagnostic LEDs which illuminate according to the following table. To exit this mode, cycle the key.

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 the Red "Test" button THREE times to enter diagnostic for Blackout mode.



Chime Mute

This feature will silence the following chimes from the interior of the vehicle when the door is opened:

- Lights-on reminder.
- Ignition or accessory on chime.

Chime Mute can be activated by either grounding the Green/White wire (PIN5 on 12 pin BOM connector) with a discrete switch (not provided in kit) or by simply turning off the cluster backlighting.

How to turn OFF Cluster Backlighting

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.



Chimes Post Installation Test

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

With vehicle in Park, Park Brake applied, and ignition in ACC:

1. Open Door and verify the audible Chime sounds.
2. Ground the Green/White (PIN 5) and verify the chime has stopped, or
3. Rotate the dimmer control to the OFF position, verify the chime has stopped.

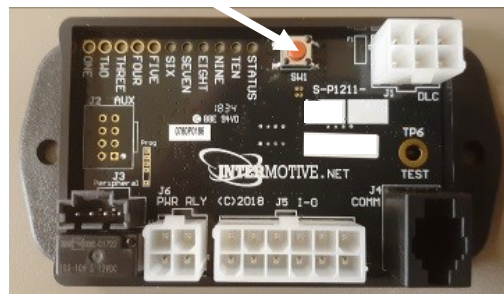
Diagnostics

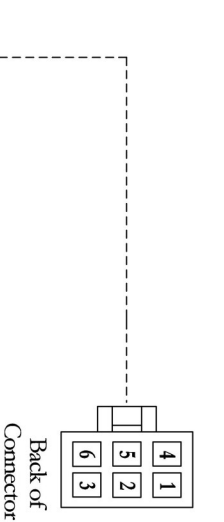
The BOM has a Diagnostic mode which is entered by pressing the Red "Test" button once. The amber status LED flashes to indicate Diagnostic Mode has been entered, and the other LEDs will now represent the status of the various outputs listed below.

To exit Diagnostic Mode and disable the LEDs, simply cycle the ignition switch.

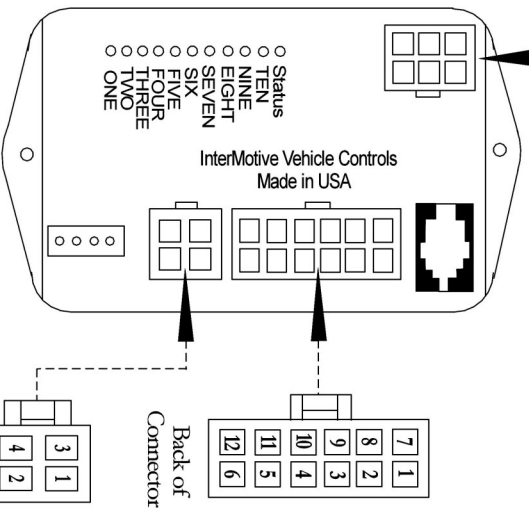
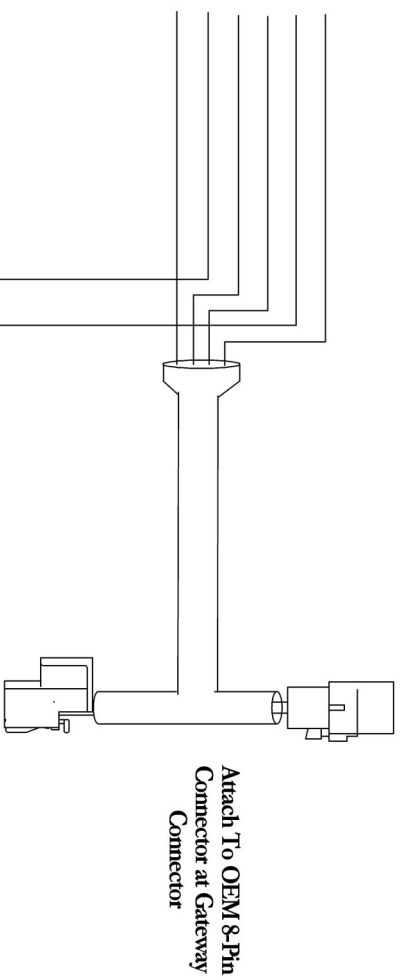
Press the Red "Test" button to enter Diagnostic Mode

LED #	Diagnostic Mode LED Descriptions
5	Cluster Level Off
6	Chime Mute Input Active

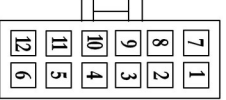




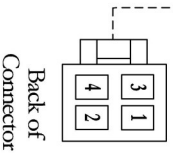
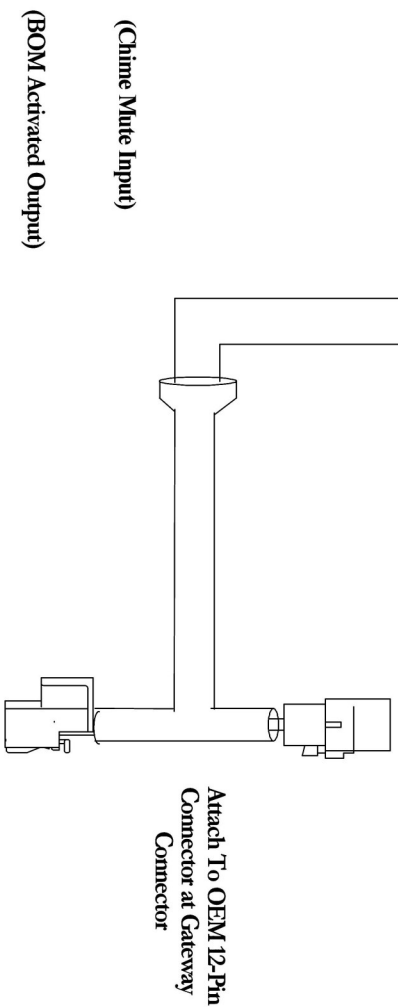
- Part# S-HI33TAX**
- 1 RED (Battery Voltage)
 - 2 YELLOW (CAN1 High)
 - 3 GREEN (CAN2 High)
 - 4 GRAY (Ground)
 - 5 BROWN (CAN1 Low)
 - 6 BLUE (CAN2 Low)



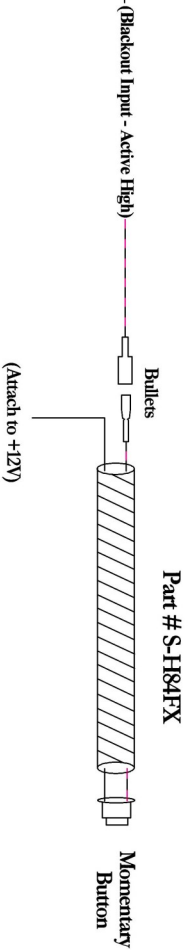
- Status
- TEN
- NINE
- EIGHT
- SEVEN
- SIX
- FIVE
- FOUR
- THREE
- TWO
- ONE



- Part# S-HI4EX**
- 1 Not Used
 - 2 Not Used
 - 3 Not Used
 - 4 Not Used
 - 5 GREEN/WHITE (Chime Mute Input)
 - 6 Not Used
 - 7 Not Used
 - 8 YELLOW (BOM Activated Output)
 - 9 Not Used
 - 10 Not Used
 - 11 Not Used
 - 12 Not Used



- Part# S-HI65GX**
- 1 PINK/BLACK (Blackout Input - Active High)
 - 2 Not Used
 - 3 Not Used
 - 4 Not Used



C-BOM701
Part# S-MI211-74

Submit product registration at 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