

INSTALLATION INSTRUCTIONS

PRODUCT: ALL LIGHTS ON®

FPE-2020-8
Revised May, 2024
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INSTRUCTIONS FOR: 2016-2019 Buick Envision

ESTIMATED INSTALLATION TIME: 30 minutes

TOOLS REQUIRED: 10mm socket or wrench, flathead screwdriver, knife, pliers



STEP 1: The Body Control Module (BCM) is located in the center console, directly behind the lower panel on the passenger side of the vehicle. To gain access to the BCM you must remove this lower panel.

Remove the cover / cap towards the front of the footwell. Remove the 10mm hex head bolt. Working from the bottom along the carpet edge, gently pull the panel outward, releasing the body clips. Angling the panel up at a slight angle will allow for releasing the final clip on the upper trim panel.

The upper trim panel has one passthrough that is captured in the lower panel. To remove this, gently pull outward on the upper trim panel to allow for clearance to remove the lower trim panel. This will be the last body clip that needs to be removed to remove the entire panel.



STEP 2: The Body Control Module (BCM) is located towards the front of the footwell, mounted near the bottom. The BCM will have 7 connectors, each a different color.

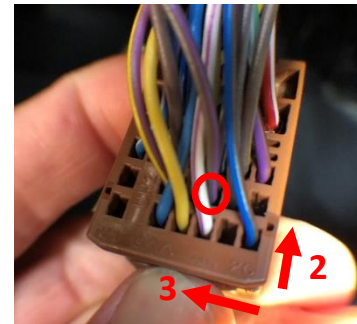
To improve access to the brown connector and its wires, remove the gray, pink, brown and black connectors from the BCM.

On the Brown connector, remove any tape or wrap to expose enough of the wires to install the All Lights On module (3-4" of material).



STEP 3: Locate Pin 18 (high beam control). The wire is *brown or tan with a purple stripe*. From the bottom right side of the connector, count over 3 pins and up 2 pins to locate the wire.

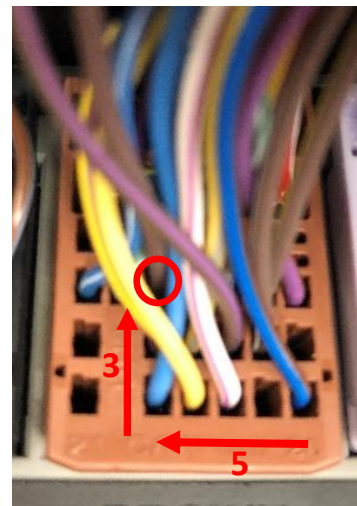
Route this wire through the circuit board and connection labeled "highs".



Pin 18: High Beam Signal

STEP 4: Locate pin 10 (fog lamp control). The wire is *brown or tan with a white stripe*. From the bottom right side of the connector, count over 5 pins and up 3 pins to locate the wire.

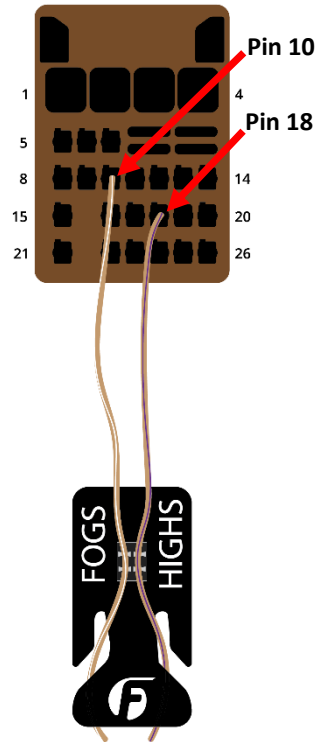
Route this wire through the circuit board and connection labeled "fogs".



Pin 10: Fog Lamp Signal

STEP 5: Route the wires as shown to the right through the All Lights On circuit card (**double check your pin locations and wires**). Position the small black cover over the wires and squeeze it downward with a pair of pliers to force the wires into the insulation displacement prongs. Install all connectors back into the BCM. Key the vehicle ignition on and test headlamp / fog lamp operation before re-assembling the center console trim panel.

NOTE: The connector cover is a one-time use part. Double check the pin locations before installing the cover, it cannot be removed and re-used.



Operation: low beams and fog lights will operate normally, when high beams are activated, the fog lamps will remain on.



TROUBLESHOOTING

If you experience any problems with the operation of the All Lights On:

1. Verify that the proper pins have been selected on the proper connector of the Body Control Module or Lighting Control Module. Recount pin locations as identified in steps 3 and 4. **DO NOT** go by wire color, as this can vary across models and applications.
2. Confirm you have properly seated the connector cover with a pair of pliers. The insulation displacement type connector that is utilized must pierce the wire sheathing and make contact with the copper wire. If the wire sheathing is not properly pierced, a connection cannot be made.
3. Test operation with the engine running and high beams enabled. Not all models of vehicles will provide power to the fog lamps in the accessory position.