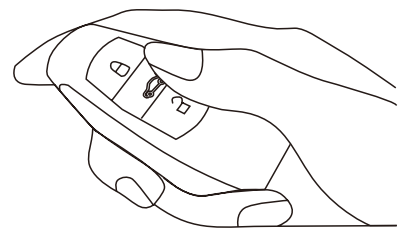
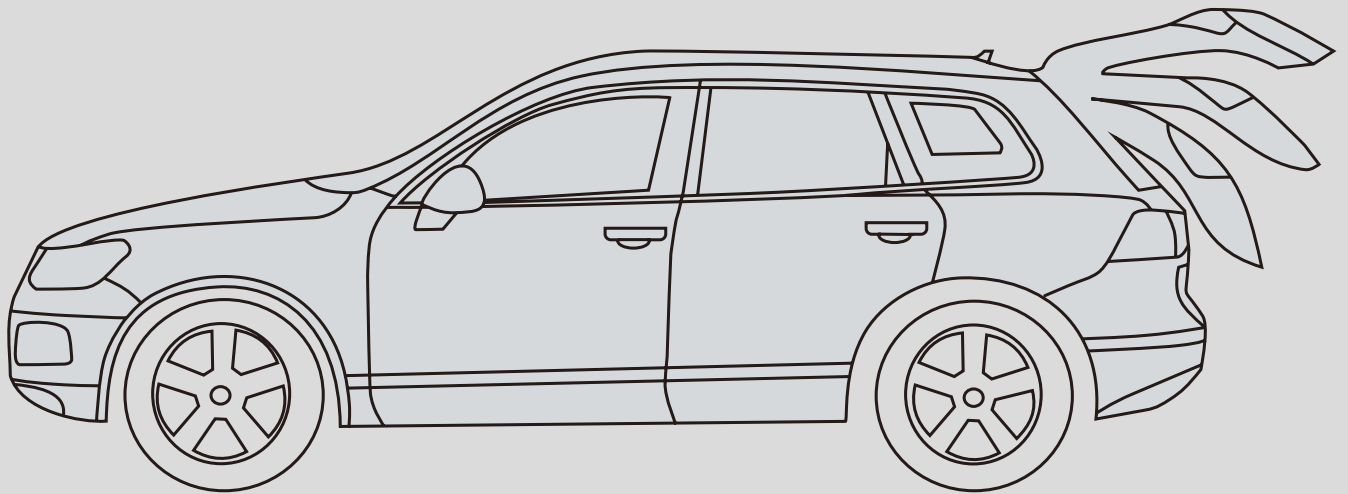
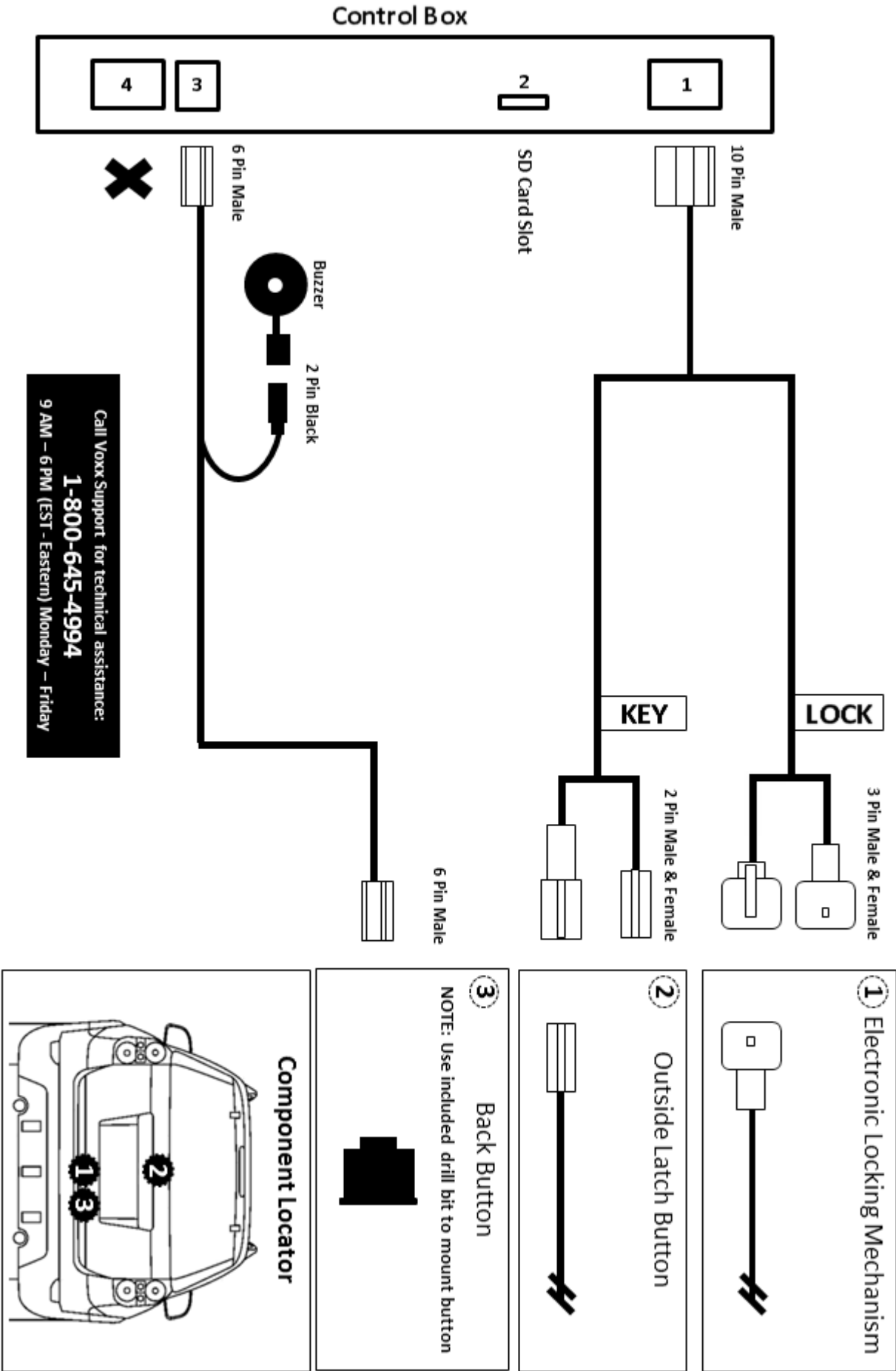


Installation Manual: Kia Sorento Power Lift Gate System

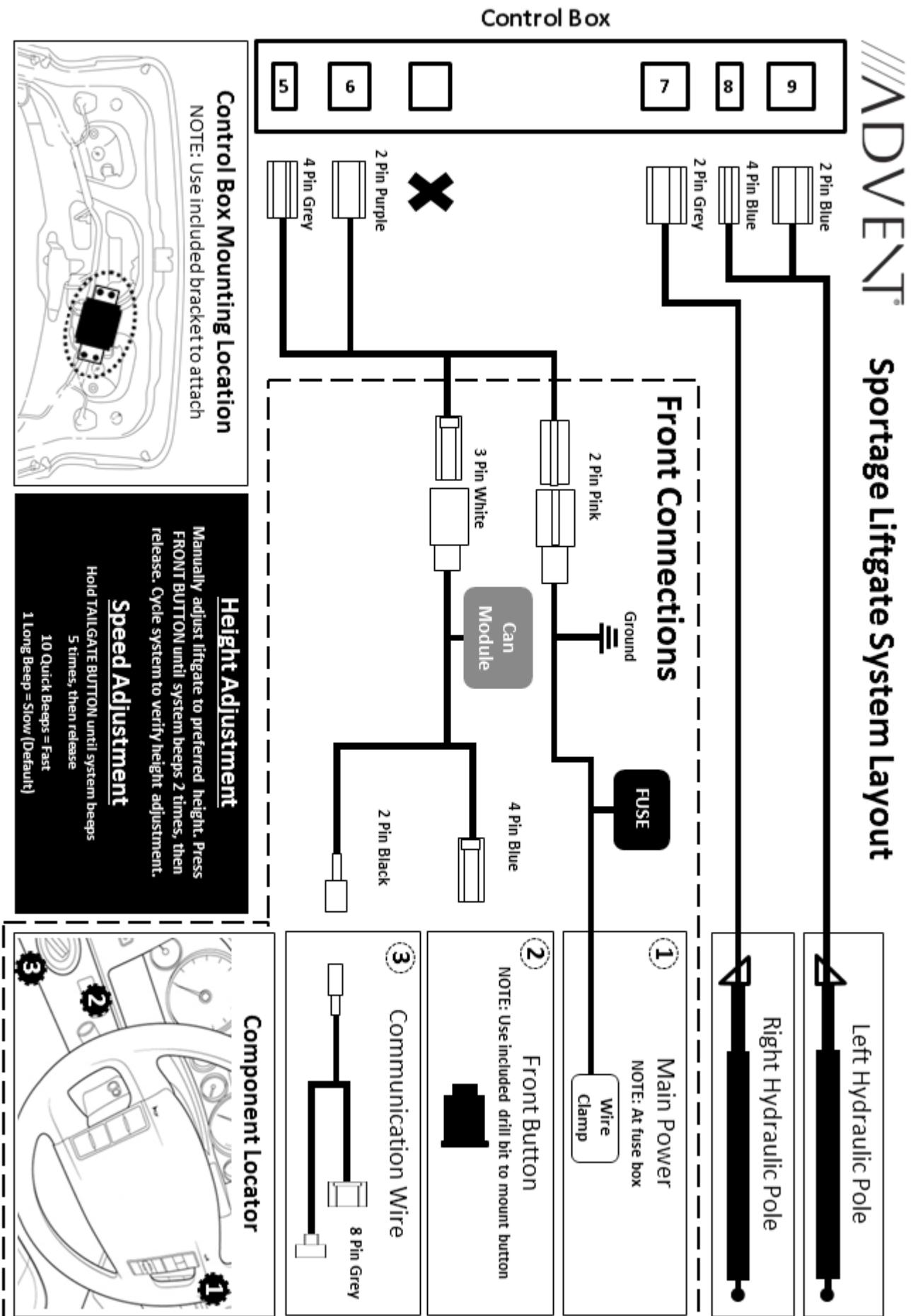


NOTE: Installation Precaution

1. It is recommended to have this product installed by a professional to avoid damage caused by improper installation.
2. Do not attempt to disassemble or modify any components included within the kit. Unapproved modifications or evidence of tampering will void any warranty included with the product.
3. Before installation, inspect the vehicle's controls and interior/exterior for any damage or malfunctioning components. Report any damage or non conformities to the customer prior to installing the product.
4. Inspect the factory lift gate for proper operation and function of lights before installing this product. Improper opening or closing of the lift gate may interfere with the functionality of the Power Lift Gate System.
5. It is recommended to remove or cover any item of clothing (belt buckles, jeans rivets, buttons, etc) prior to installation of this accessory to prevent damage incurred to the vehicle during the installation.
6. Interior panels that have been removed should be set aside somewhere safe during the installation process to avoid damage.
7. When routing and securing wiring harnesses, care should be exercised to avoid any hot, sharp, or moving objects in the vehicle such as steering column, pedals, dash bracing, HVAC components, etc.
8. Do not deviate from methods of installation in this document. Any damage caused by improper wire routing, incorrect connections, wiring, etc. is not covered under the warranty.
9. Disconnect the negative (-) battery terminal before proceeding to installation. Wait at least 2 minutes after disconnecting the negative (-) battery terminal to disable the SRS and other systems in the vehicle. Any damage caused from failure to disconnect the battery is not covered under the warranty.
10. After installation, you must manually close the lift gate to initialize the Power Lift Gate System.



Wiring Details



PREPARING FOR INSTALLATION

INSTALLATION PREPARATION

Before starting installation

1. Familiarize yourself with the installation instructions.
2. Inspect kit components to verify everything is present, there is no damage, and to familiarize yourself with the parts.

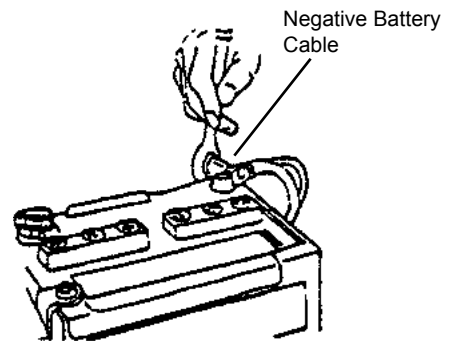
VEHICLE PREPARATION

1. Place protective coverings on vehicle.
2. Apply protective tape to all points before prying.

3. **"IMPORTANT.....IMPORTANT"**



Disconnect Negative Battery Cable



INSTALLATION:

1. Open the tailgate and disengage the clips to start removing the tailgate plaque.
2. Carefully pull on the tailgate middle plaque to disengage the clips. Disconnect any connectors and remove the tailgate middle plaque.



3. Carefully pull on the tailgate left and right side plaques to disengage the clips. Disconnect any connectors and remove the tailgate left and right side plaques.



4. Dismantle the main tailgate plaques by removing the trim screws. Disconnect any connectors/screws and remove the plaques.



5. Remove decorative piece from liftgate handle.



6. Remove cover and dismantle the handle.



7. Remove the plastic buckle from tailgate, near the locking mechanism.



8. Remove large tailgate plaque.

9. Install the main control module onto the door frame with the clamp bracket, as pictured. Verify the bracket is tight and does not cause any rattles or other undesirable effects in the liftgate.



10. Use the supplied t-harness for lock wire connection.



11. Use supplied t-harness for original button connection.



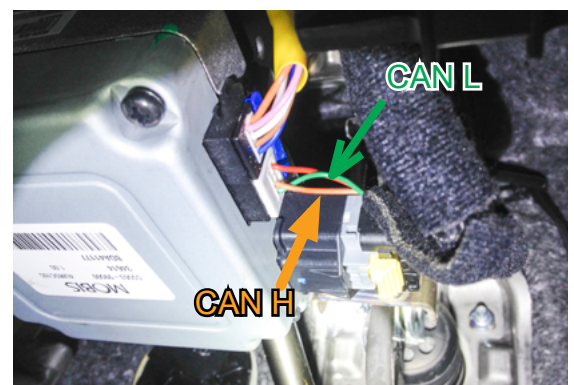
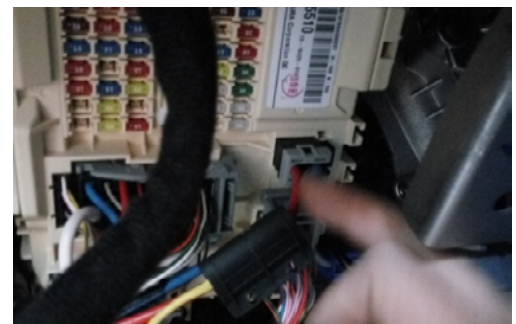
12. Using a pry tool, remove the lower clip on the end of the OEM gas support struts for the lift gate.

Exercise caution when removing the support struts, as the lift gate is very heavy once removed.

13. Remove the OEM strut ball mounts from both sides of the lift gate. Replace with the ball mounts supplied in the kit.
14. Repeat for the opposite side.
15. Using a pry tool, remove the upper clip on the end of the OEM gas support strut for the lift gate, and remove the support strut.
16. Carefully route the wire harness from the lift motor through the grommet and into the tailgate, as pictured. Route to control box.
17. Visually inspect and identify the LEFT and RIGHT side lift motors, as marked on the new power lift motors. Install the new lift motors to the correct LEFT and RIGHT sides, with the wire harness of the lift motor directed towards the body of the vehicle.
18. Connect the power harness to the connector in the fuse block main power using the power harness wire clamp.
19. Remove the factory CAN connector, and connect the T-Harness to the factory CAN connector. Secure any excess and connectors with cable ties so they do not cause noise or vibrations.

**VEHICLE CAN LOW = GREEN
VEHICLE CAN HIGH = ORANGE**

**COMM. WIRE CAN LOW = GREEN/BLACK
COMM. WIRE CAN HIGH = GREEN**



20. Install the front Power Lift Gate button into the dash location as pictured.



21. Route the main wiring harness along the factory wiring harness towards the rear of the vehicle, underneath the scuff plate.



22. Continue routing the main wiring harness along the factory wiring harness towards the rear of the vehicle, underneath the scuff plate.



23. Continue routing the main wiring harness under the trunk floor, behind the panels up towards the headliner. Use a fish tape to help in pulling the harness through the factory wiring boot.

Exercise care not to damage the harness or connectors when pulling the harness through the boot. Note: Using water or lubricant to help fish through boot.

Secure main wiring harness to factory wiring.
Then connect main control module.



24. If necessary, use a wire pulling tool to route to tailgate.



25. Route the power cable through the main wire tubing towards tailgate.



26. Install the main control module onto the door frame with the clamp bracket, as pictured. Verify the bracket is tight and does not cause any rattles or other undesirable effects in the liftgate.



27. Reinstall the interior lift gate panel. Remove the factory button cover and install the supplied Power Lift Gate button onto the interior lift gate panel.



28. Connect power, pole and button harnesses to the control box.

29. Reinstall all of the interior panels removed during the installation.

30. IMPORTANT: Prior to closing, ensure door panel is re-installed. Manually close the lift gate to initialize the Power Lift Gate System. Function test the system to verify proper operation.



THESE POINTS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

- | | |
|--|--|
| <input type="checkbox"/> Head Light
<i>If the warning lights remains on, it may indicate a system malfunction.</i> | <input type="checkbox"/> Massage Seats (if equipped) |
| <input type="checkbox"/> High Beams | <input type="checkbox"/> Power Side Mirrors (if equipped) |
| <input type="checkbox"/> Turn Signal Lights | <input type="checkbox"/> Side Mirror Defogger (if equipped) |
| <input type="checkbox"/> Tail Lights | <input type="checkbox"/> Front Windshield Defogger (if equipped) |
| <input type="checkbox"/> Stop Lights | <input type="checkbox"/> Navigation System (if equipped) |
| <input type="checkbox"/> Backup Lights | <input type="checkbox"/> Rear Sunshade (if equipped) |
| <input type="checkbox"/> Hazard Lights | <input type="checkbox"/> Cruise Control Light (if equipped) |
| <input type="checkbox"/> Marker Lights | <input type="checkbox"/> Steering Wheel Audio Control (if equipped) |
| <input type="checkbox"/> Dome/Courtesy Lights | <input type="checkbox"/> HVAC |
| <input type="checkbox"/> Panel/Switch Illumination | <input type="checkbox"/> Power Locks (if equipped) |
| <input type="checkbox"/> Accessory Controls/Illumination (if equipped) | <input type="checkbox"/> Power Windows (if equipped) |
| <input type="checkbox"/> Rear Window Defogger (if equipped) | <input type="checkbox"/> Gauges |
| <input type="checkbox"/> Key Sensor Buzzer | <input type="checkbox"/> Front Wiper/Washer |
| <input type="checkbox"/> Fog Lights (if equipped) | <input type="checkbox"/> Hood Latch Release |
| <input type="checkbox"/> Day Time Running Lights (if equipped) | <input type="checkbox"/> Passenger Air Bag Switch (if equipped) |
| <input type="checkbox"/> Trunk/Tailgate/Bed Lights (if equipped) | <input type="checkbox"/> Rollover Side Curtain Air Bag Switch (RSCA) |
| <input type="checkbox"/> Glove Box Light (if equipped) | <input type="checkbox"/> Horn |
| <input type="checkbox"/> ABS Light (if equipped) | <input type="checkbox"/> Seat Belt Warning Light
<i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Rear Wiper/Washer (if equipped) | <input type="checkbox"/> Air Bag Warning Light
<i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Clock (if equipped) | <input type="checkbox"/> Lamp Failure Sensor
<i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Accessory Power Socket (if equipped) | <input type="checkbox"/> Track/Skid Control Light (if equipped)
<i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Starter | <input type="checkbox"/> Tire Pressure Monitoring System (TPMS)
<i>Prior to TPMS activation and Pre-Delivery Service (PDS) of the vehicle the TPMS light will blink when IG is turned on. After TPMS activation and PDS of the vehicle the TPMS light will illuminate for a few seconds and go off when IG is turned on.</i> |
| <input type="checkbox"/> Audio/Video (if equipped) | |
| <input type="checkbox"/> Power Sliding Door (if equipped) | |
| <input type="checkbox"/> Convenience Memory Settings (if equipped) | |
| <input type="checkbox"/> Heated Seats (if equipped) | |