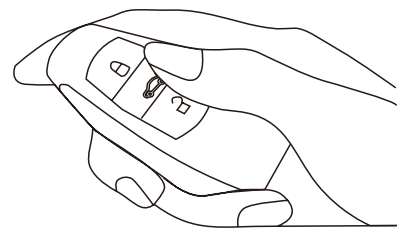
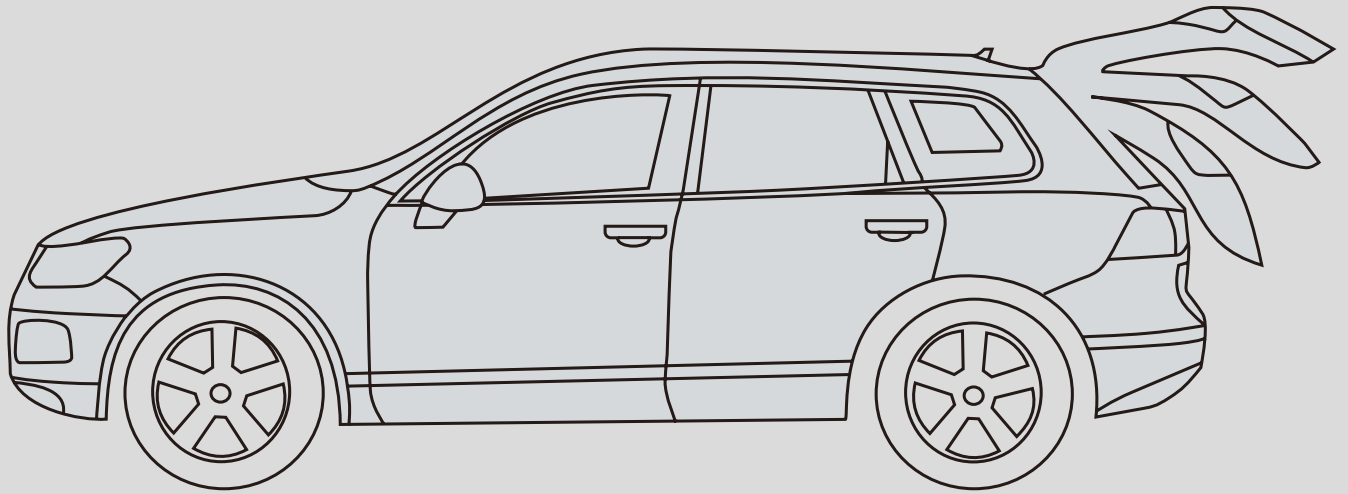


Installation Manual: Kia Sedona Power Lift Gate System

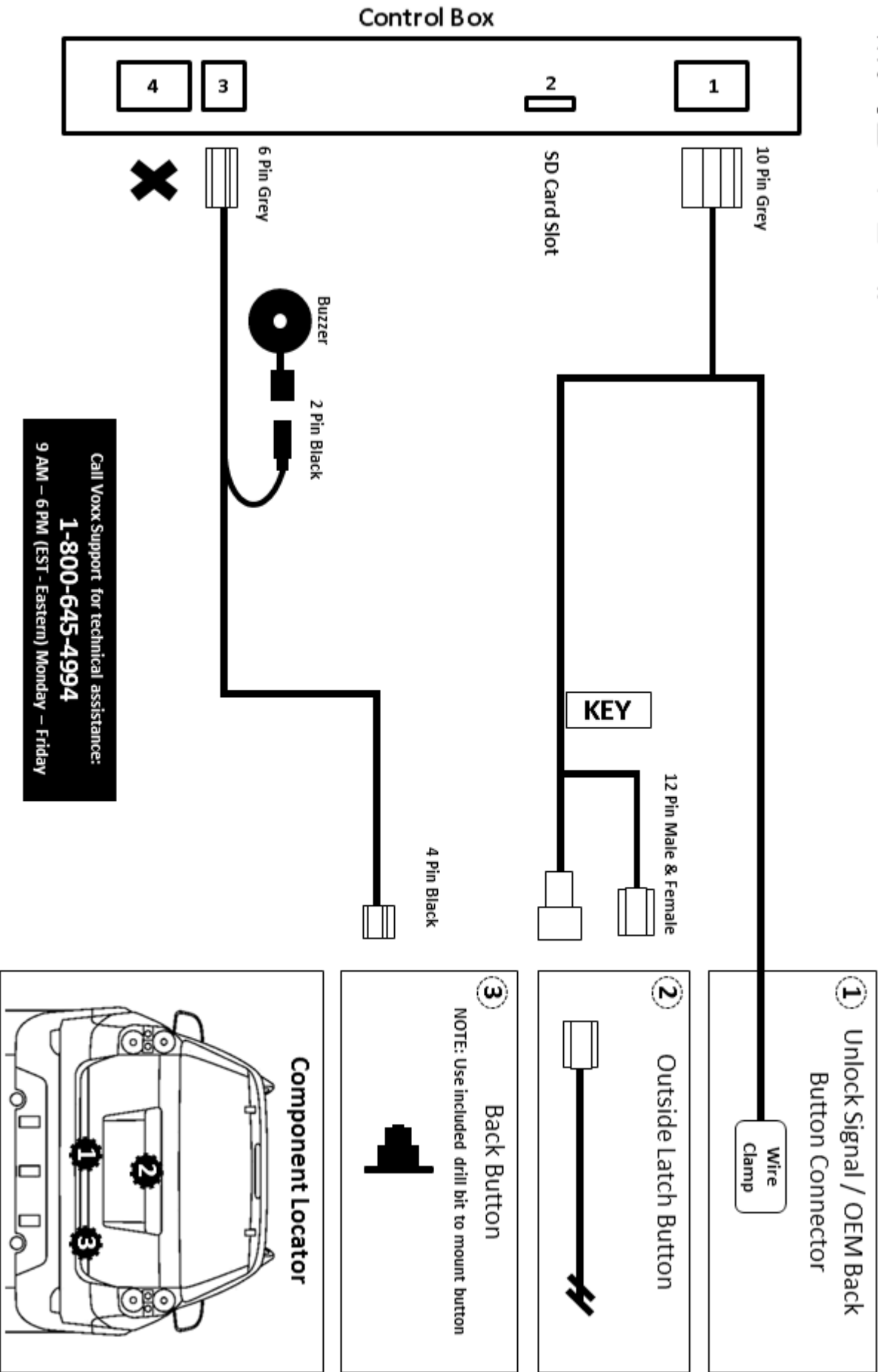


NOTE: Installation Precaution

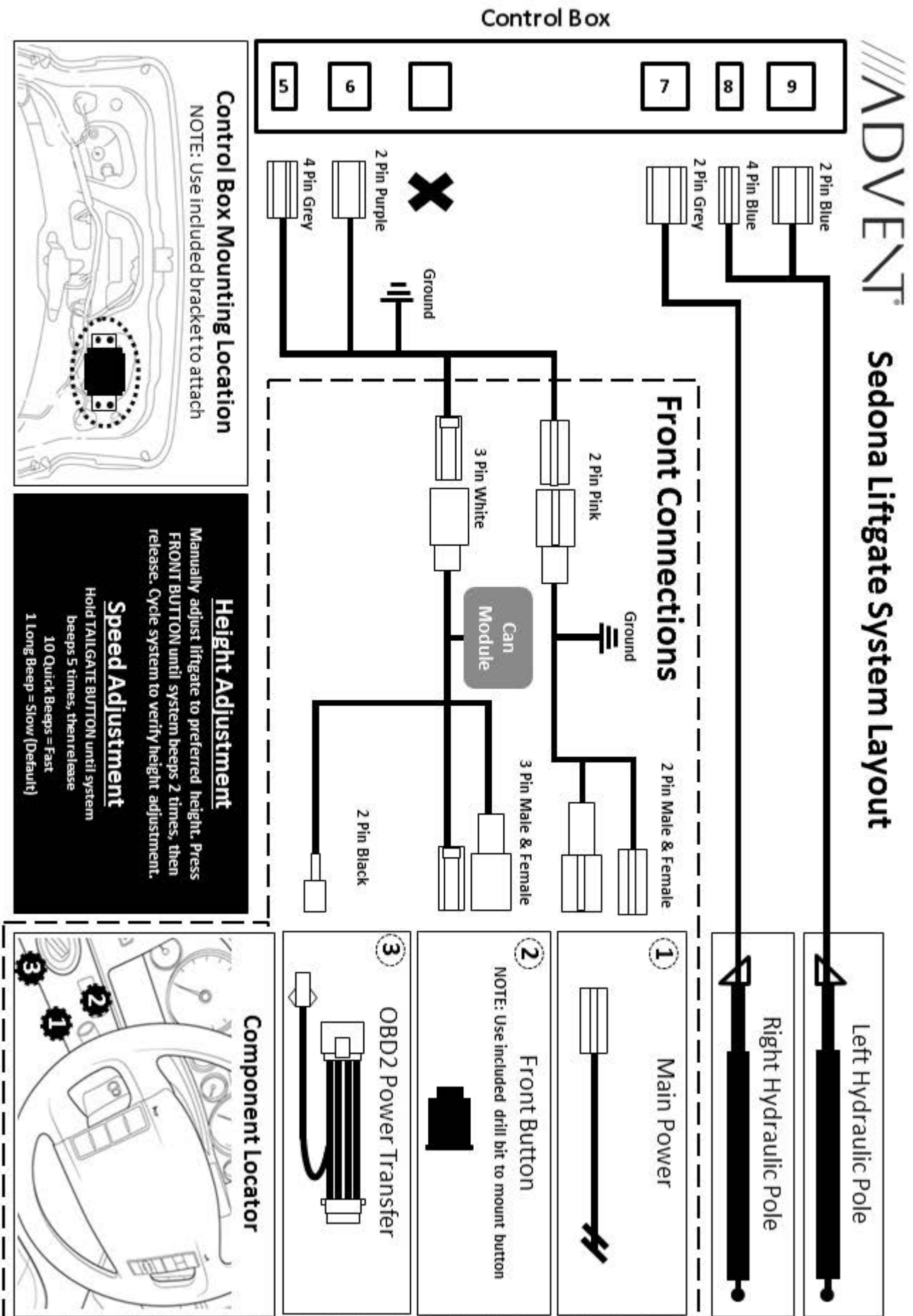
1. It is recommended to have this product installed by a professional to avoid damage caused by improper installation.
2. Do not attempt to disassemble or modify any components included within the kit. Unapproved modifications or evidence of tampering will void any warranty included with the product.
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

ADVENT® Sedona Liftgate System Layout



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.

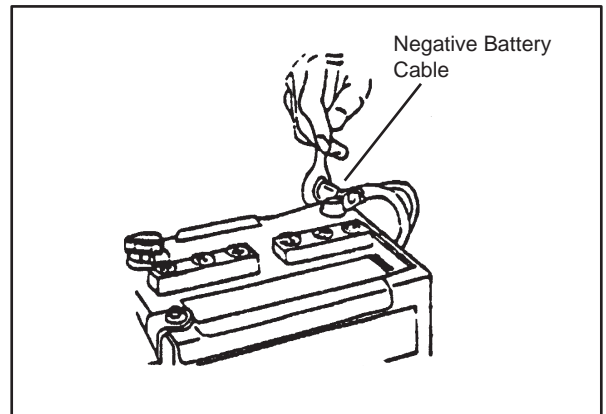
3. **"IMPORTANT.....IMPORTANT"**



Disconnect Negative Battery Cable

INSTALLATION:

1. Open the lift gate. Using a nylon trim tool, disengage the clips to remove the lift gate center trim garnish.
2. Remove the screw as pictured on the lift gate side garnish trim panel. Repeat for the opposite side.



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 garnish.



4. Remove the screws on the interior lift gate door panel.

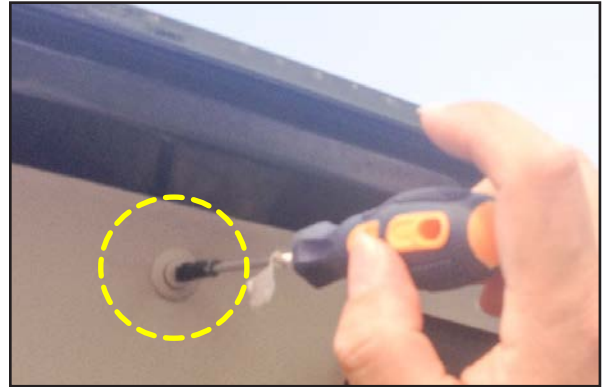


5. Carefully disengage the claws to remove the screw covers on the lift gate pull handle. Remove the screws securing the handle to the lift gate structure.



6. Disengage the claws and remove the lift gate pull handle.

7. Using a screwdriver, carefully remove the plastic trim clip on the lift gate, near the latch.



8. Disengage the claws and remove the cover for the lift gate mounting screw. Remove the screw.



9. Using a nylon trim tool, carefully disengage the clips and remove the lift gate interior door panel.



10. Using a helper or supporting brace, support the lift gate in the full opened position.

11. 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.

12. Remove the OEM strut clip from the ball mount on the RH side of the lift gate. Remove the strut from the vehicle and set aside.

13. Repeat for the LH side.

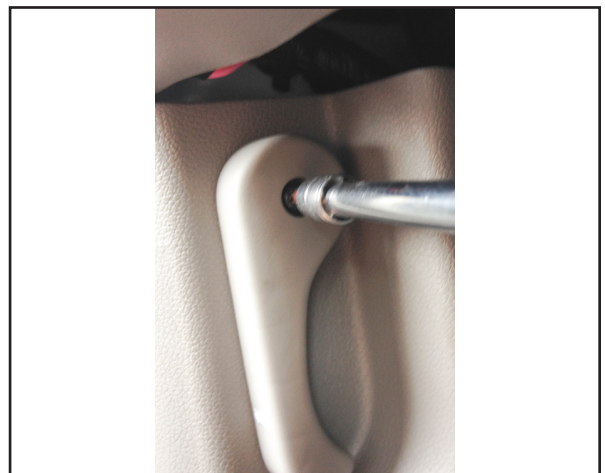
14. Remove the OEM lower support strut brackets from the body structure. Replace with the new brackets supplied in the kit, reusing the OEM bolts.

Note: Transfer the gasket from the OEM bracket to the new bracket before installing (if applicable).

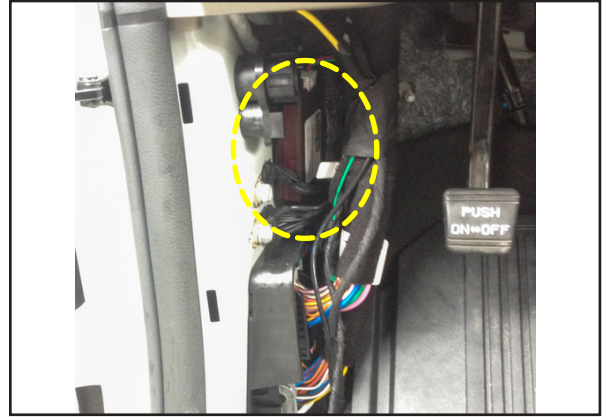
15. Install the Power Lift Gate Lift Motors onto the ball mounts with the wire harness facing downwards, where the body meets the tailgate. Note the LEFT and RIGHT orientation as marked on the lift motors.

16. Carefully route the wire harness from the lift motor through the grommet and into the tailgate, as pictured. Route the wire harnesses to the control box, following the factory wiring harnesses where possible.

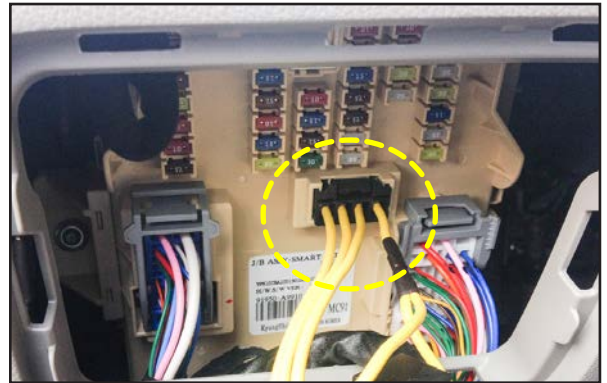
17. Remove the screw and the hood lock release lever from the driver's side kick panel.



18. Install the CAN-Bus module in the driver's side kick panel.



19. Locate the main power connector as pictured. Using the supplied T-Harness, disconnect the OEM connector from the fuse block. Plug the T-Harness into the fuse block, and the OEM connector into the female connector in the T-Harness.



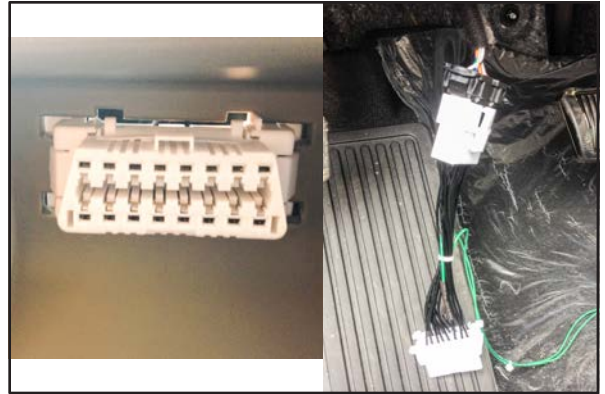
20. Connect the ground wire to the factory ground point, located in the driver's side kick panel area.



21. Route the main wiring harness towards the rear of the vehicle, underneath the scuff plates. Follow the factory wiring harness, securing with cable ties as necessary along the routing path.



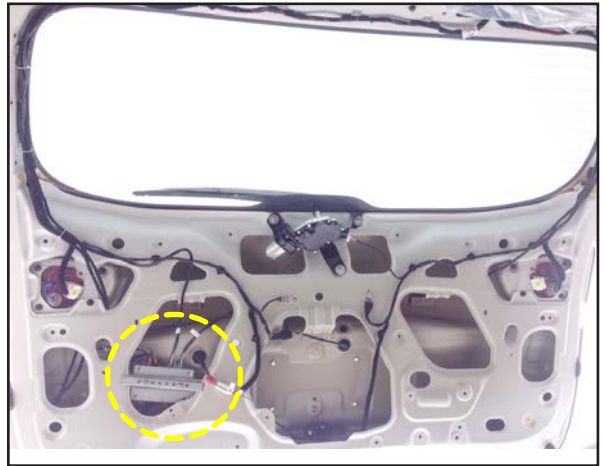
22. Locate the OBDII connector. Disconnect the connector from it's mounting location and connect into the supplied T-Harness. Mount the T-Harness connector into the factory location.



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



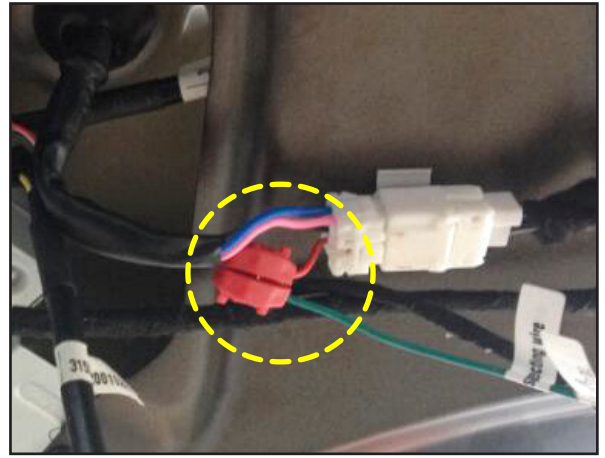
24. Install the main control module onto the door frame with the clamp bracket, as pictured. Verify the bracket is tight and does not cause any rattles or other undesirable effects in the lift gate.



25. Use the supplied T-Harness and connect the lift gate wiring harness to the power latch mechanism.



26. Connect wire clamp for unlock signal to OEM back button connector - RED WIRE.



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

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



Note: Spraying a small amount of a soap/water solution inside the factory wiring boot will allow the harness to pull through easily.

29. Mount the supplied front open/close button to the driver's side lower dash, as pictured.



30. Mount the supplied rear open/close button to the lift gate interior door panel, as pictured.



31. Reinstall the interior lift gate interior trim panel.



32. Reinstall all of the interior panels removed during the installation, testing thoroughly any switches or electronics disconnected during the installation process.



33. 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) | |