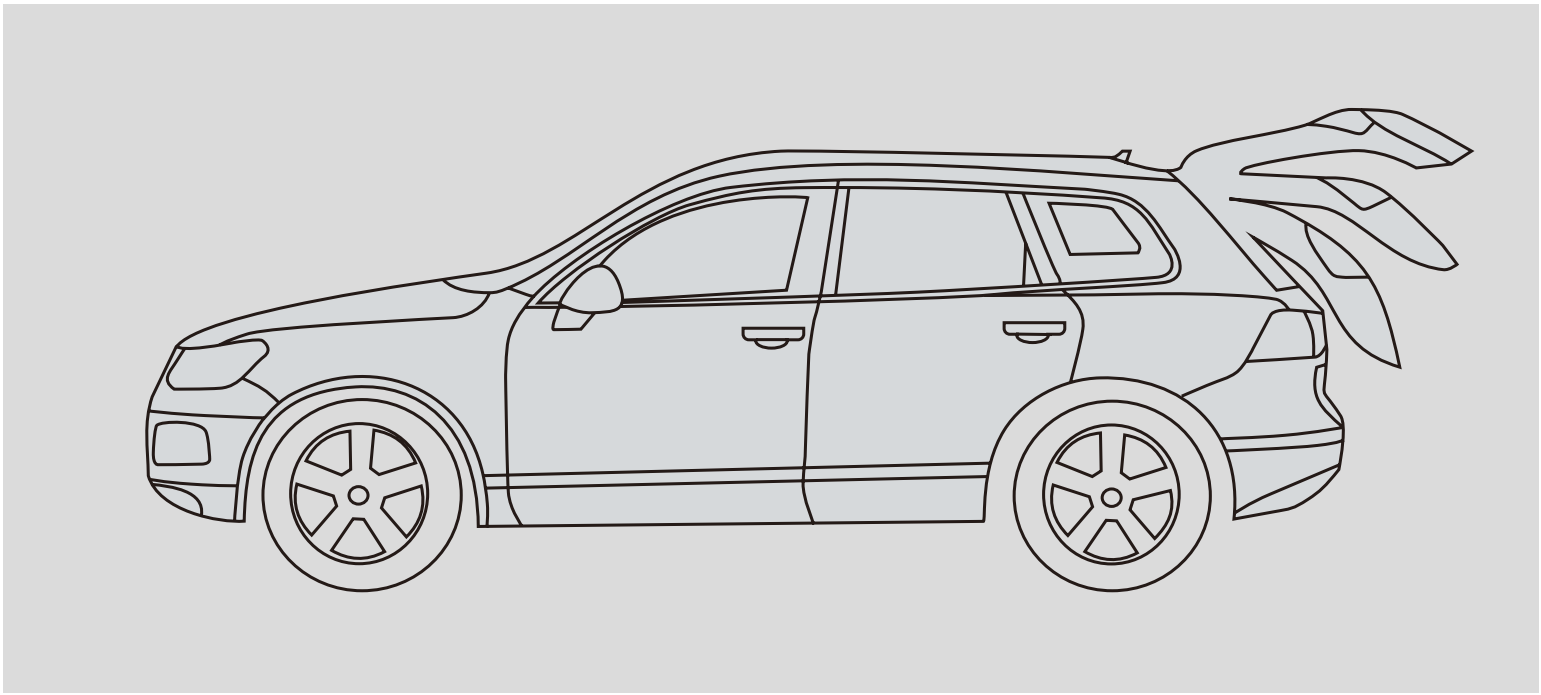
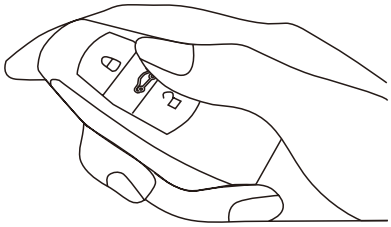
Installation Manual:
Hyundai Tucson
Power Lift Gate System





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 nonconformities 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.

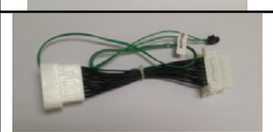
7. When routing and securing wiring harnesses, care should be exercised to avoid any hot, sharp, or moving objects in the vehicle such as steering column, pedals, dash bracing, HVAC components, etc.

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.

Kit Details

Ball Stud		**4080014**
Power Cable		**4120361**
Front Button		**4540012**
Back Button		**4540015**
Lock Wire		**4120362**
Buzzer		**4360648**
Power Picker		**4120356**
Canbus		**4360649**
OBD Transfer Wire		**4120350**
Back Button Wire		**4120360**
Control Box		**4360636**
Right & Left Poles		**4360651 (Right)** **4360650 (Left)**

PREPARING FOR INSTALLATION

INSTALLATION PREPARATION

Before starting installation

1. Familiarize yourself with the installation instructions.

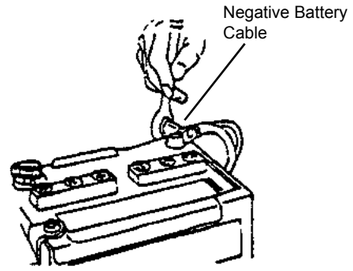
2. Inspect kit components to verify everything is present, there is no damage, and to familiarize yourself with the parts.

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. Using a moulding remover, disengage the clips and remove the lift gate center window trim garnish.

2. Remove the screw, and remove the left side window trim garnish.

3. Repeat for the right side window trim garnish.

4. Remove the screws on the left and right sides of the interior lift gate trim panel.

5. Use a moulding remover, disengage the claws and remove the lift gate pull handle.

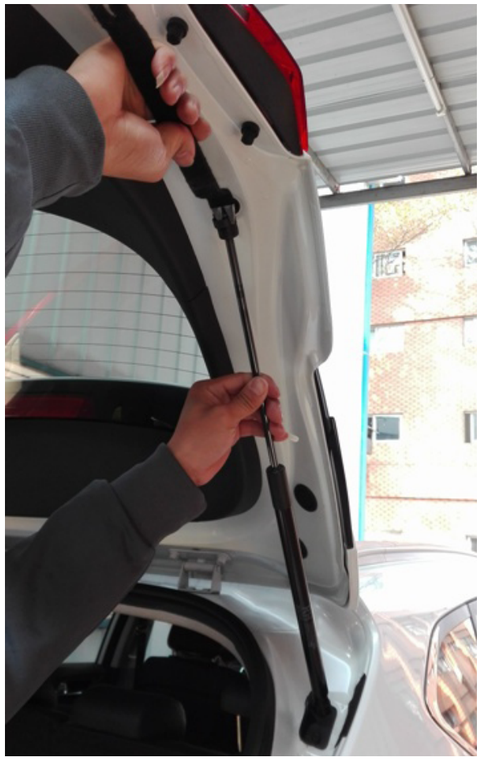
7. Insert a moulding remover between the interior lift gate trim panel and the body structure. Carefully pry to disengage the clips, and remove the interior lift gate trim panel.

8. Retrieve any clips that may have come out of the interior lift gate trim panel from the lift gate body structure. Return these to the correct clip attachment points in the interior lift gate trim panel. Set aside where it will not be damaged.

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

10. Using a pry tool, remove the 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.

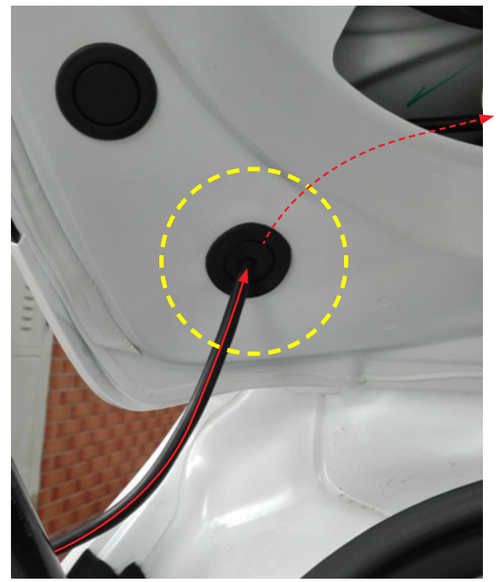


11. Use a wrench to remove the LH OEM ball mount for the OEM lift gate support strut. Repeat for the opposite side.

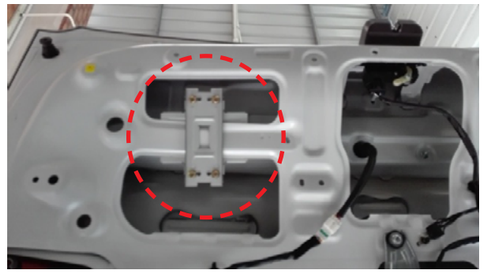
12. Install the new ball mount, gasket, and tray with the ones supplied in the kit.

13. 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 vehicle body.

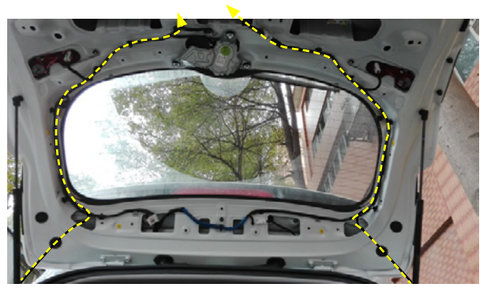
14. Carefully cut a hole in the vehicle's factory grommet in the lift gate. Route the wire harness from the lift motor through the grommet and into the lift gate, as pictured.



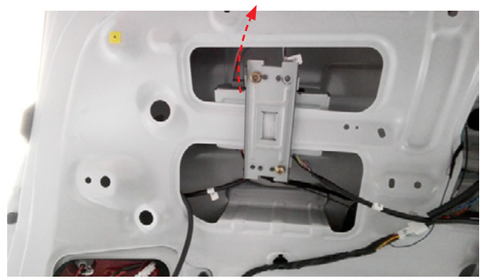
15. Install the main control module onto the door frame with the clamp bracket, as pictured. Verify the bracket is tight and does not cause any rattles or other undesirable effects in the liftgate.



16. Route the liftgate motor wire harness along the factory wiring harness and connect to the main control module. Secure with cable ties as necessary.



17. Route the harness for the Power Lift Gate button to the mounting location, next to the pull handle previously removed. You will need to access this harness once the lift gate interior panel has been replaced, to install the activation button.



18. Connect the power harness to the connector in the fuse block using the power harness T-Harness. Remove the factory OBDII connector, and connect the T-Harness to the factory OBDII connector. Secure any excess and connectors with cable ties so they do not cause noise or vibrations.

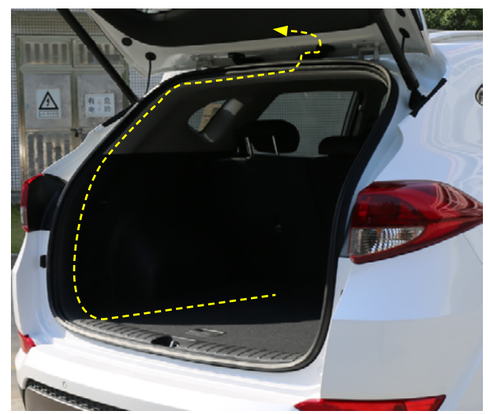
19. Route the main wiring harness along the factory wiring harness towards the rear of the vehicle, underneath the scuff plate.

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

21. 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.

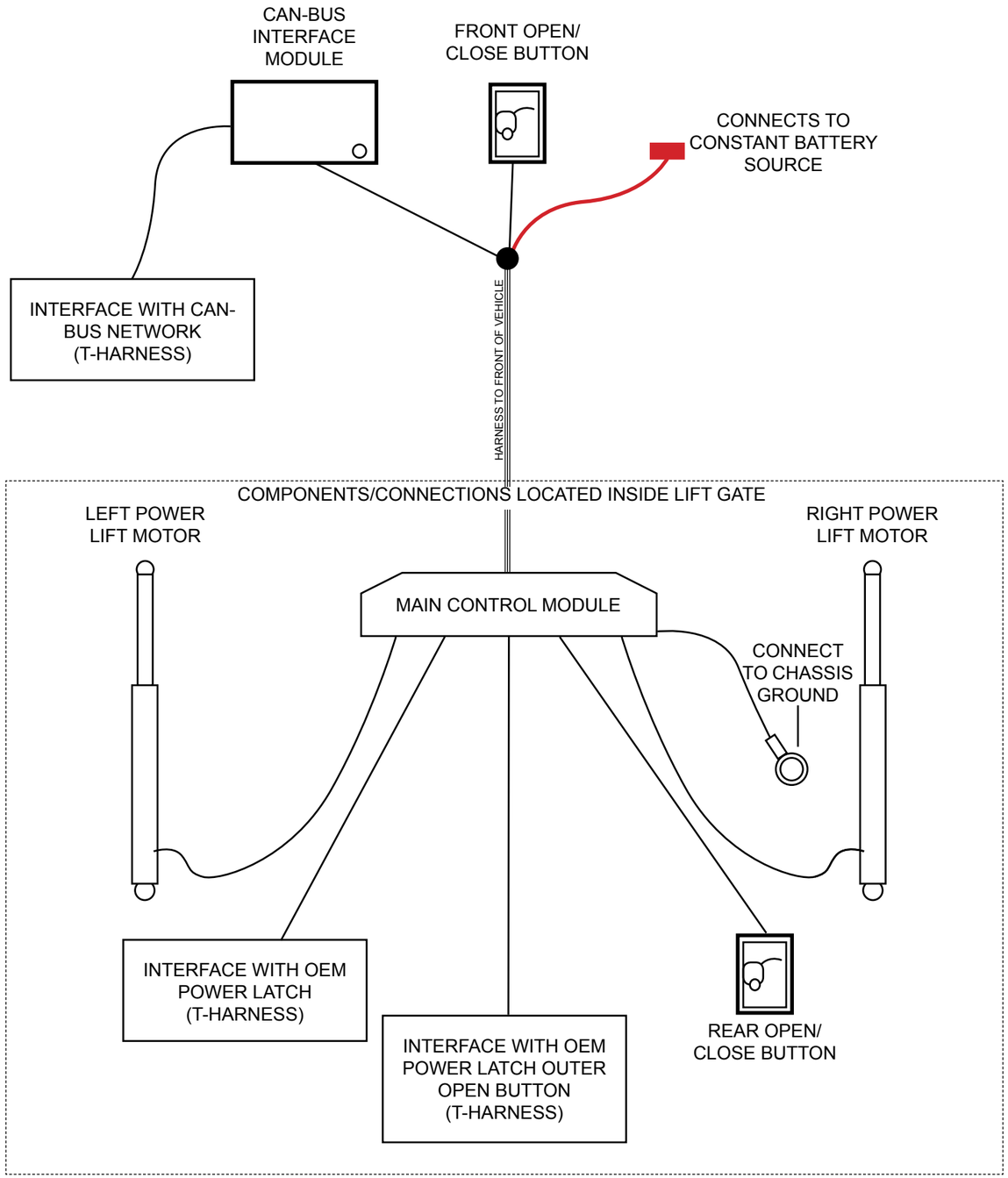


22. Reinstall the interior lift gate panel. Remove the factory button cover and install the supplied Power Lift Gate button onto the interior lift gate panel.

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

24. 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.

Wiring Diagram - Power Lift Gate



THESE POINTS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

- ☐ **Head Light**
  If the warning lights remains on, it may indicate a system malfunction.
- ☐ **High Beams**
- ☐ **Turn Signal Lights**
- ☐ **Tail Lights**
- ☐ **Stop Lights**
- ☐ **Backup Lights**
- ☐ **Hazard Lights**
- ☐ **Marker Lights**
- ☐ **Dome/Courtesy Lights**
- ☐ **Panel/Switch Illumination**
- ☐ **Accessory Controls/Illumination (if equipped)**
- ☐ **Rear Window Defogger (if equipped)**
- ☐ **Key Sensor Buzzer**
- ☐ **Fog Lights (if equipped)**
- ☐ **Day Time Running Lights (if equipped)**
- ☐ **Trunk/Tailgate/Bed Lights (if equipped)**
- ☐ **Glove Box Light (if equipped)**
- ☐ **ABS Light (if equipped)**
- ☐ **Rear Wiper/Washer (if equipped)**
- ☐ **Clock (if equipped)**
- ☐ **Accessory Power Socket (if equipped)**
- ☐ **Starter**
- ☐ **Audio/Video (if equipped)**
- ☐ **Power Sliding Door (if equipped)**
- ☐ **Convenience Memory Settings (if equipped)**
- ☐ **Heated Seats (if equipped)**
- ☐ **Massage Seats (if equipped)**
- ☐ **Power Side Mirrors (if equipped)**
- ☐ **Side Mirror Defogger (if equipped)**
- ☐ **Front Windshield Defogger (if equipped)**
- ☐ **Navigation System (if equipped)**
- ☐ **Rear Sunshade (if equipped)**
- ☐ **Cruise Control Light (if equipped)**
- ☐ **Steering Wheel Audio Control (if equipped)**
- ☐ **HVAC**
- ☐ **Power Locks (if equipped)**
- ☐ **Power Windows (if equipped)**
- ☐ **Gauges**
- ☐ **Front Wiper/Washer**
- ☐ **Hood Latch Release**
- ☐ **Passenger Air Bag Switch (if equipped)**
- ☐ **Rollover Side Curtain Air Bag Switch (RSCA)**
- ☐ **Horn**
- ☐ **Seat Belt Warning Light**
  If the warning lights remains on, it may indicate a system malfunction.
- ☐ **Air Bag Warning Light**
  If the warning lights remains on, it may indicate a system malfunction.
- ☐ **Lamp Failure Sensor**
  If the warning lights remains on, it may indicate a system malfunction.
- ☐ **Track/Skid Control Light (if equipped)**
  If the warning lights remains on, it may indicate a system malfunction.
- ☐ **Tire Pressure Monitoring System (TPMS)**
  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.