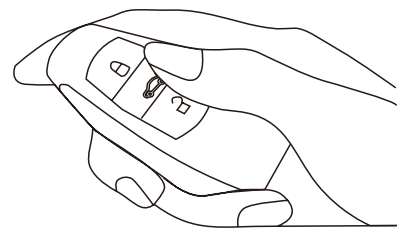
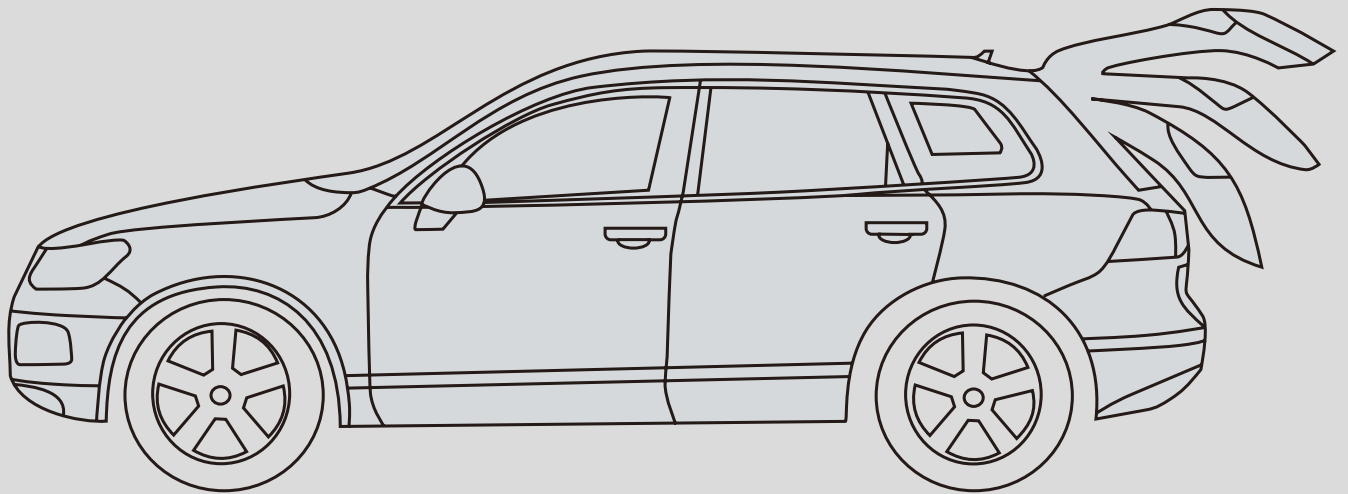


## Installation Manual: Mazda CX-5 Power Lift Gate System



# 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.

# Kit Details

Buzzer		4360631
Canbus		4360635
OBD Transfer Wire		4120350
Power Cable		4120351
Power Transfer Wire		4120355
Back Button Wire		4120347
Lock Wire		4120352
Brackets		4460039(L) 4460040(R)
Back Button		4540011
Front Button		4540012
Control Box		4360636
Right & Left Poles		4360637 (Right) 4360638 (Left)

# PREPARING FOR INSTALLATION

## INSTALLATION PREPARATION

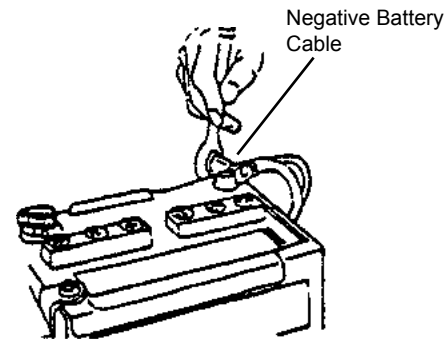
Before starting installation

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 pull handle cup.
2. Using a moulding remover, carefully disengage any clips and remove the interior trim panels from the lift gate. Make sure to exercise care and disconnect any electrical connectors to interior lights before pulling too hard, to avoid damage to wiring harnesses.

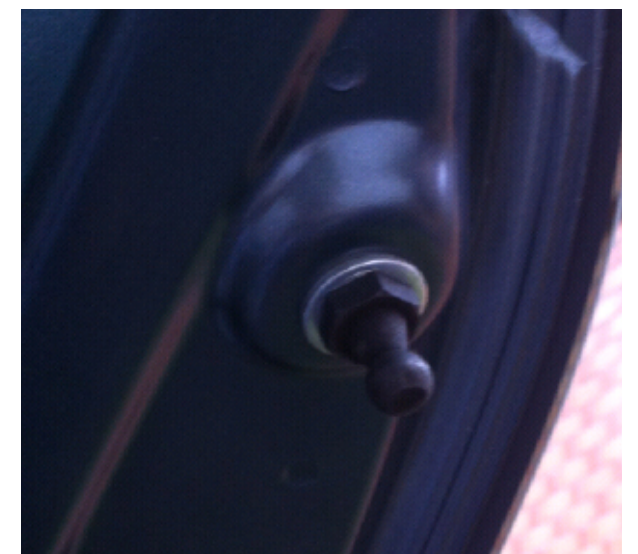


3. Using a helper or supporting brace, support the lift gate in the full opened position.
4. Using a pry tool, remove the clip on the end of the OEM gas support struts for the lift gate.

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

5. Using a pry tool, remove the clip to disconnect the OEM gas support strut from the OEM body strut mount.

6. Remove the OEM lift gate ball mount and install the supplied lift gate ball mount for the Power Lift Motor.





7. Attach the Power Lift Motor to the body mount and the lift gate ball mount, noting the Left and Right designations marked on each Power Lift Motor. Verify the Power Lift Motor is securely attached to both mounts. The end with the wiring harness should be towards the vehicle's body.



Repeat for the opposite side.

8. Remove the factory rubber grommet. Route the wiring harness through the hole and into the lift gate, seating the included grommet on the harness into the cavity from where the factory grommet was removed. Repeat for the opposite side.



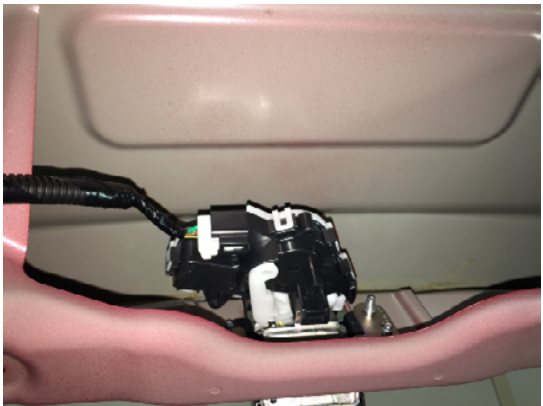
9. Mount the main control module to the lift gate brace using the supplied mounting bracket. Route the Power Lift Motor wire harnesses to the main control module and connect to the corresponding connectors.



10. Locate the OEM outside opener switch connector, on the rear of the switch assembly. Disconnect the OEM connector, and connect our T-Harness in line with the outside opener switch.

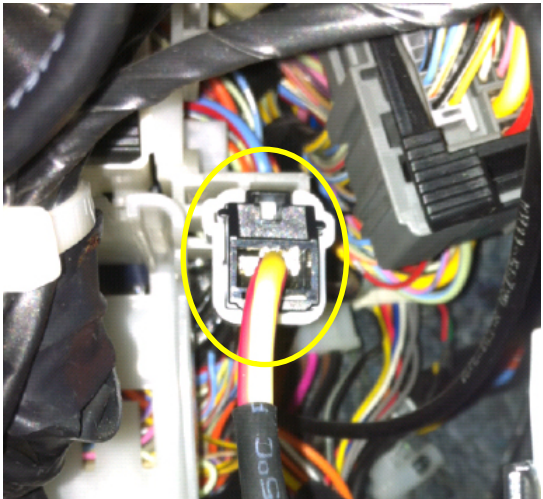


11. Locate the OEM power latch. Disconnect the OEM connector, and connect our T-Harness in line with the power latch assembly.



12. Remove the driver's side lower dash panel. Locate the main power wire, and connect in line with the supplied T-Harness.

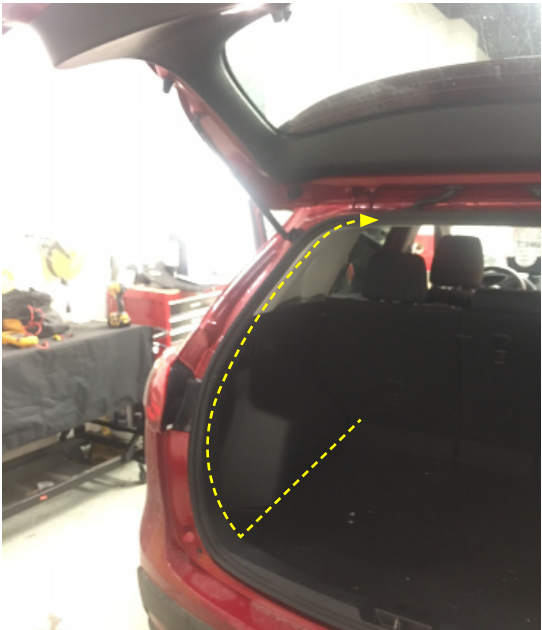
13. Locate the OBDII connector. Disconnect the connector from it's mounting location and connect into the supplied T-Harness. Mount the T-Harness connector into the factory location.



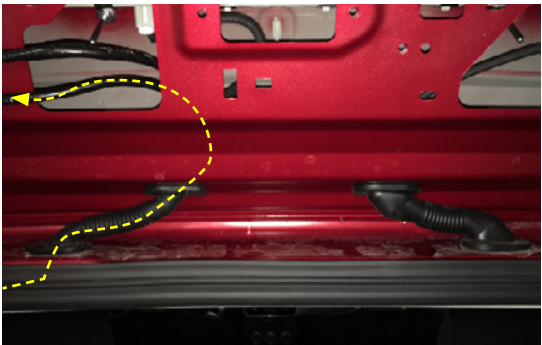
14. Route the main wiring harness along the driver's side floor under the scuff plates to the luggage compartment area.



15. Route the main wiring harness up towards the headliner along the path shown.



16. Route the main wiring harness through the OEM grommet and into the lift gate. 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. Route the main wiring harness along the factory wiring harness to the main control module and connect to the main control module.



Note: Spraying a small amount of soap/water solution into the OEM wire harness boot will help in pulling the wiring harness through easily.

17. Use the supplied drill template to locate the lift gate open/close button drilling location. The notch on the right hand side should align with the push clip, and the hole on the left will be the center guide for drilling the hole for the open/close button.



18. Mount the open/close button and secure with the nut. Connect to the main control module.



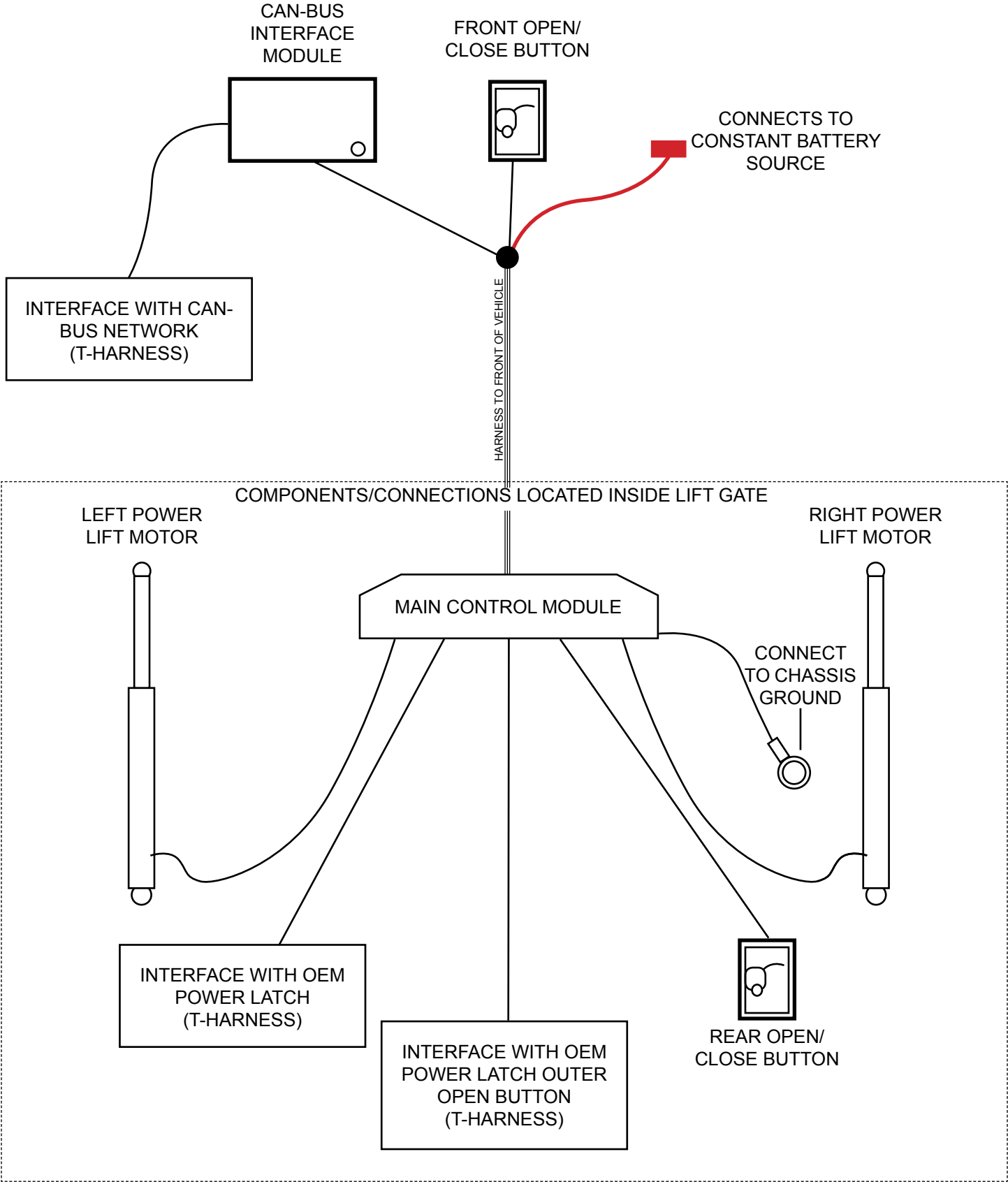
19. Mount the interior open/close button in the driver's side lower dash panel and secure with the nut. Connect to the wiring harness and reinstall the driver's side lower dash panel.



**20. 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)**
- ☐ **Message 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.*