

Part Number: 00016-32901

Accessory Code: KE1



**Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Keyless Module
2	1	Main Harness
3	1	Hardware Bag
4	1	Valet Switch
5	2	24" Cable Ties
6	2	3-Button Transmitter
7	1	Owner's Card

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1	8	Red T-Taps
2	2	Blue T-Taps
3	1	Yellow T-Tap
4	6	8" Cable Ties
5	1	2-1/4" x 2-1/4" Foam Pad

**Additional Items Required for Installation**

Item #	Quantity Req'd.	Description

**Conflicts**

**Not for installation in vehicles equipped with factory installed keyless entry.**

**Recommended Tools**

<b>Safety Tools</b>	
<b>Special Tools</b>	
<b>Installation Tools</b>	
Philips Screwdriver	Straight-Slot Screwdriver
Ratchet with Extension	10mm Socket
Diagonal Wire Cutters	Common Pliers
Flashlight	Nylon Trim Tool
Torque Wrench 36in-lb	
<b>Special Chemicals</b>	

**Vehicle Service Parts (may be required for reassembly)**

P/N	Qty.	Description
00016-79200-01	1	Keyless Entry Control Module
00016-34030-05	1	Keyless Entry Transmitter
00016-32901-01	1	Main Wiring Harness
00016-30960-56	1	On/Off Toggle Control Switch
00016-32901-02	1	Miscellaneous Hardware Kit
00016-12935-02	1	34" Headlight Extension Wire

**General Applicability**

**Vehicles with power door locks.**

**Recommended Sequence of Application**

Item #	Accessory
1	
2	
3	

\* Mandatory

**Legend**

**STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.

**OPERATOR SAFETY:** Use caution to avoid risk of injury.

**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

**REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

**SAFETY TORQUE:** This mark indicates that torque is related to safety.

**SPECIAL NOTE: Installation Sequences**

After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

## PREPARATION

### INSTALLATION PREPARATION

Before starting installation:

1. Familiarize yourself with the installation instructions.
2. Inspect kit components.

### VEHICLE PREPARATION

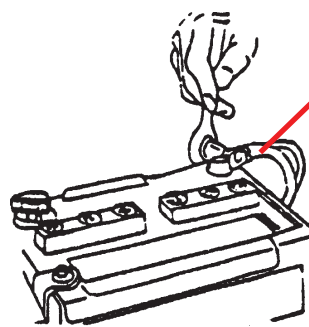
**Verify that the vehicle shorting pin is installed prior to installation.**

1. Place protective coverings on vehicle.
2. Disconnect negative battery clamp.
  
3. Remove the driver's side scuff plate by inserting a plastic panel tool under the scuff plate and prying upward to disengage the snap clips.

**Optional Step: Insert a plastic tool under the front of the scuff plate and driver's side kick panel. Lift only that area.**

4. Remove the driver's side kick panel by inserting a plastic panel tool under the kick panel and carefully prying to disengage the snap clips.

**NEGATIVE BATTERY CABLE**



## PREPARATION

5. Remove the (2) 10mm bolts from the driver's side lower finish panel. Pull the lower finish panel outward from the vehicle dash to disengage the snap clips.



**DO NOT** remove crash shield. Air bag must remain intact.



6. Remove the steering wheel shroud:
  - a. Remove the (2) Philips screws from the lower steering column cover.
  - b. Carefully dislodge the steering column cover and remove the lower cover piece.

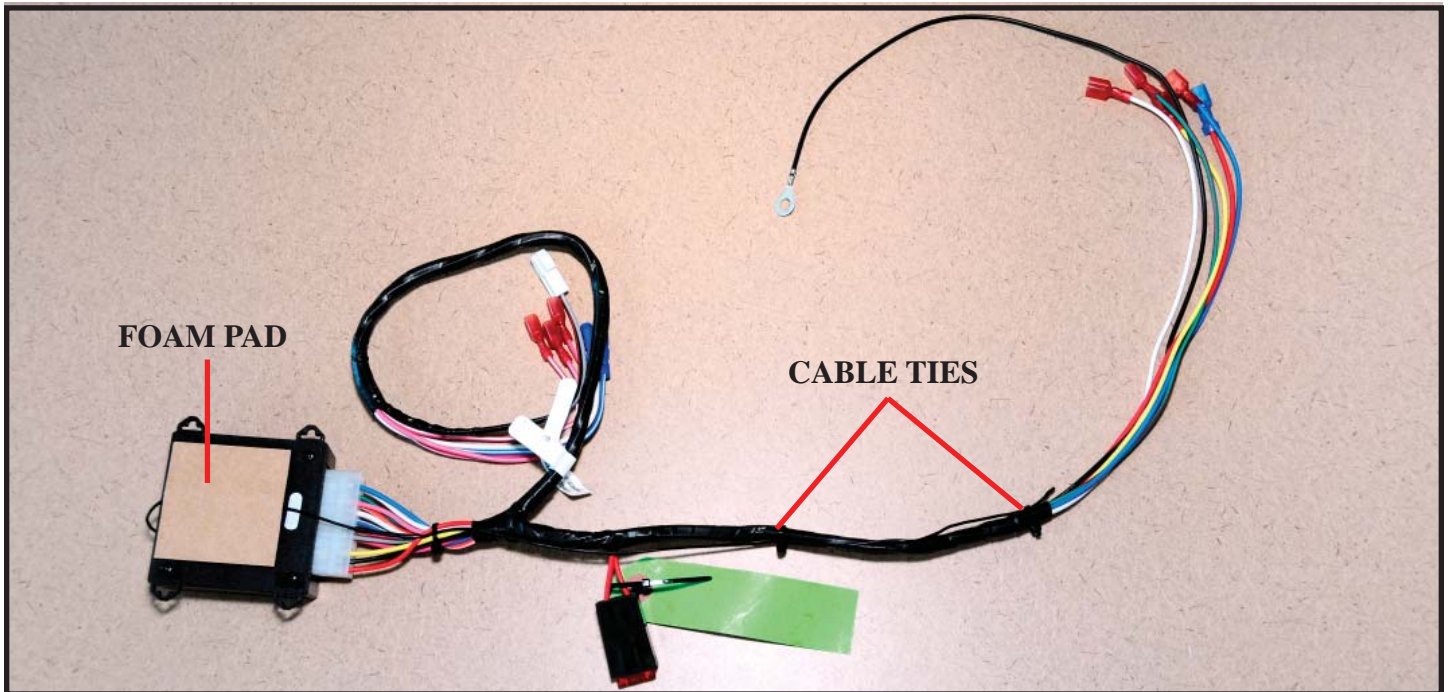


## PREPARATION

### MODULE PREPARATION

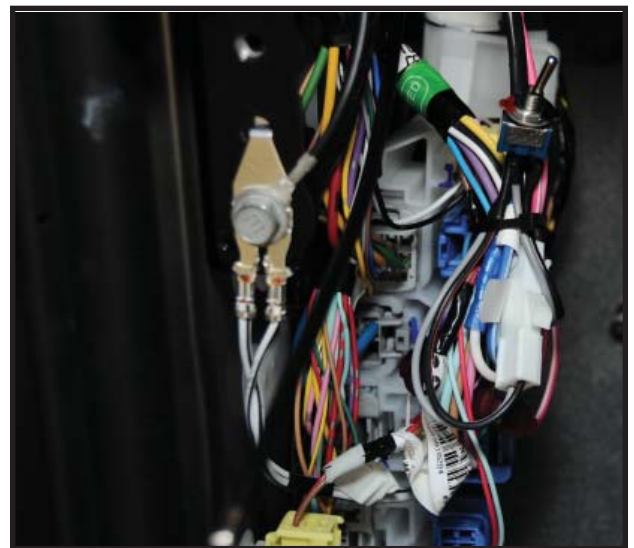
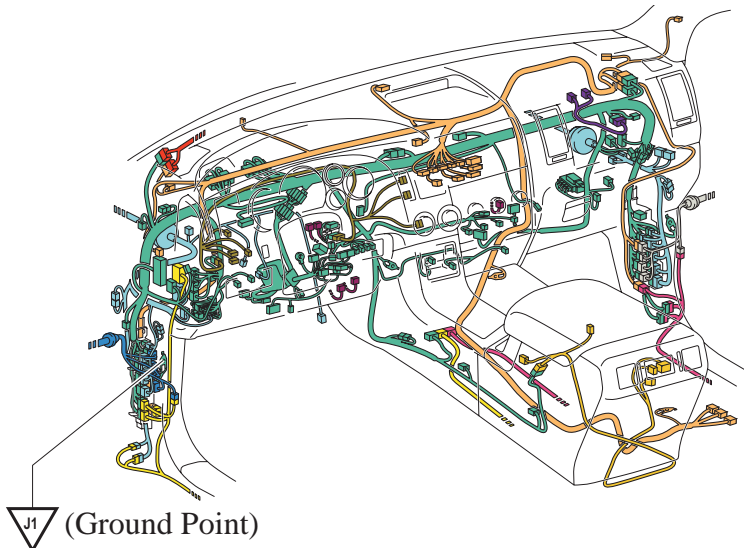
1. Secure the antenna to the back side of the module using the supplied foam pad.
2. Route the antenna and secure it to the main harness with (2) cable ties.

**IMPORTANT:** Failure to route the antenna cable as described will result in reduced range of the system.



## INSTALLATION PROCEDURES

### SECURING THE GROUND CONNECTION





# INSTALLATION PROCEDURES

## MOUNTING THE MAIN CONTROL MODULE

Secure the main module to the vehicle harness connected to the JB in the driver's side kick panel area. Secure in place with the long cable ties provided.

 **Guide the long cable tie through the module eyelets, as shown.**


**DO NOT WRAP OR BUNDLE THE ANTENNA HARNESS.** Module antenna wire must extend as high up as possible and be secured in place for the best signal.

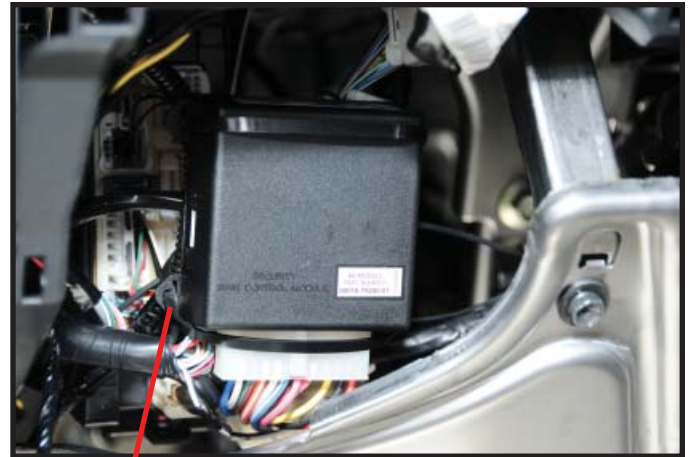
## MOUNTING THE TOGGLE SWITCH

1. Install the ON/OFF bezel and nut. Tighten the nut with care; do not over torque the nut.
2. Tie wrap to main harness.

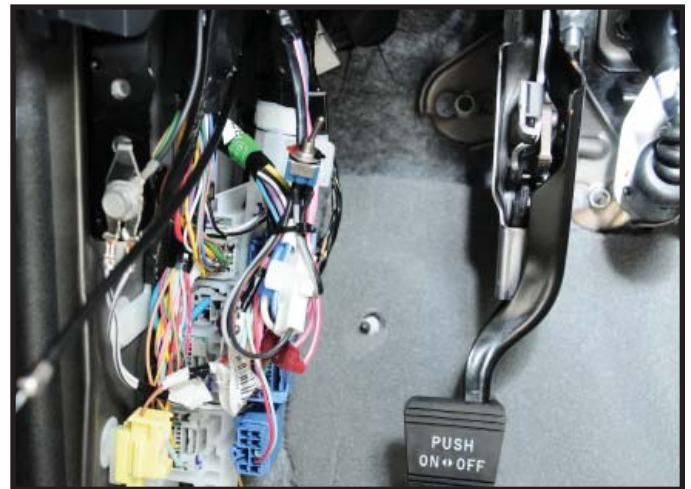
**NOTE: Toggle switch must be in the "OFF" position.**



 **Carefully follow the wiring diagram and factory details on pages 6-7.**



**LONG CABLE TIE**



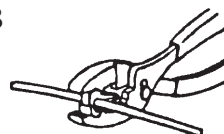
## T-TAP INSTALLATION

When installing female T-Tap connectors, be sure the wire is located inside the wire channel of the female T-Tap connector before closing the connector over the wire with pliers.

**Step A**



**Step B**



**Step C**

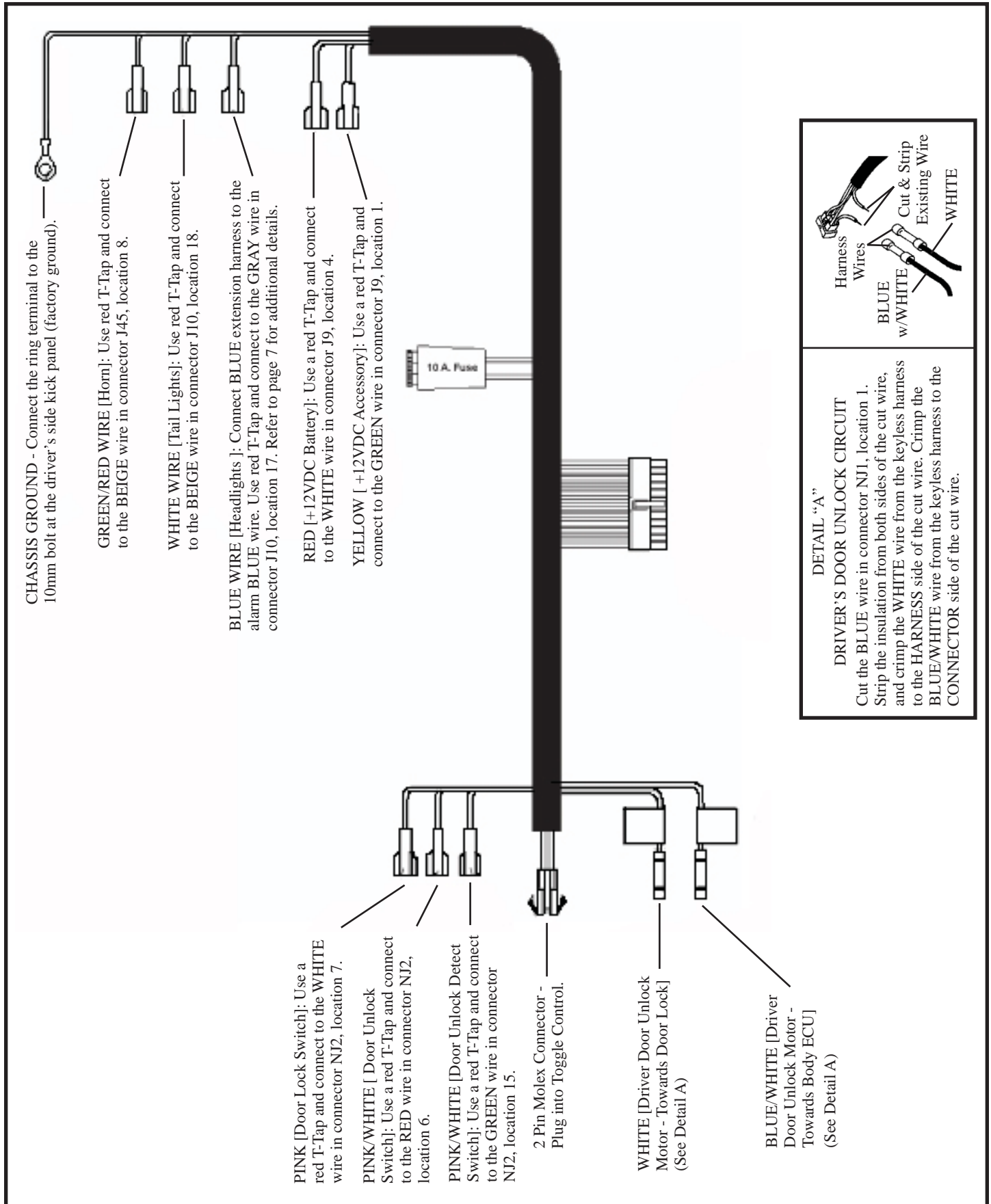


Wire from main keyless harness



**IMPORTANT! After installation, inspect and ensure that Keyless System Harnesses are clear of all HOT, SHARP or MOVING objects.**

# WIRING DIAGRAM

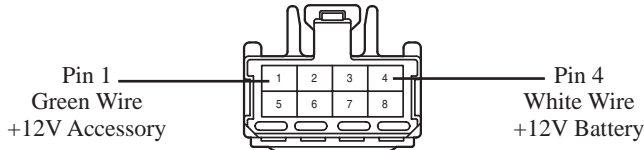


# CONNECTOR DETAILS

## CONNECTOR J9: IGNITION SWITCH

Location: Steering Column

**White Connector**

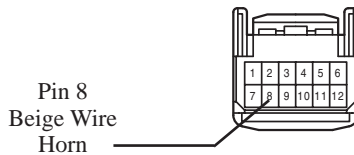


<b>KEYLESS</b>	<b>CAR</b>
Red	White
Yellow	Green

## CONNECTOR J45: HORN

Location: Lower Steering Column Cover Area

**Black Connector**

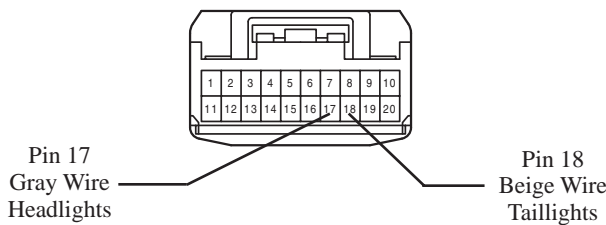


<b>KEYLESS</b>	<b>CAR</b>
Green/Red	Beige

## CONNECTOR J10: TAILLIGHTS/HEADLIGHTS

Location: Lower Steering Column Cover Area

**White Connector**

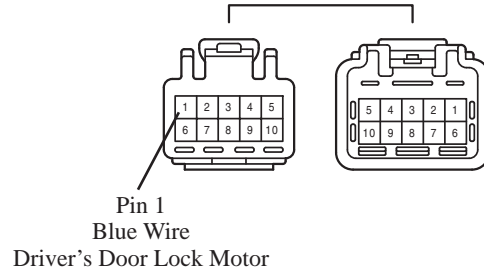


<b>KEYLESS</b>	<b>CAR</b>
White	Beige
Blue	Gray

## CONNECTOR NJ1: DOOR LOCKS

Location: Driver's Side Kick Panel Area

**Blue Connector**

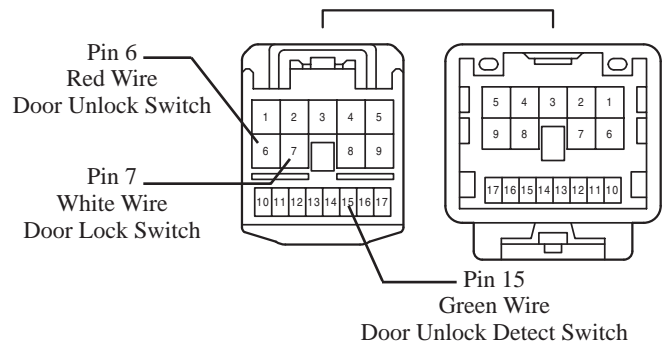


<b>KEYLESS</b>	<b>CAR</b>
White	Blue (Lock Side)
Blue/White	Blue (ECU Side)
** This vehicle wire must be cut in half. Refer to page 6 for instructions.	

## CONNECTOR NJ2: DOOR LOCKS

Location: Driver's Side Kick Panel Area

**Blue Connector**

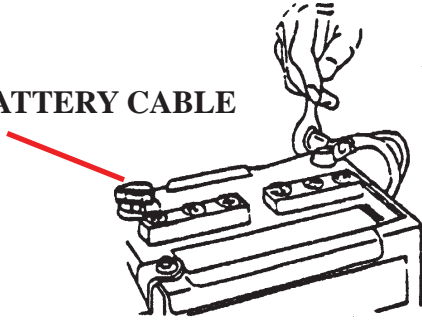


<b>KEYLESS</b>	<b>CAR</b>
Pink/White	Green
Pink/White	Red
Pink	White

## COMPLETING THE INSTALLATION

**NOTE:** Re-torque the battery cable to 36in-lb once the process is completed.

**NEGATIVE BATTERY CABLE**



**Verify that the vehicle shorting pin is installed prior to testing.**

### TESTING THE SYSTEM

- Prior to delivering the vehicle, test all features of the system according to the included owner's manual.
- LOCK - Press and release the LOCK button on the transmitter. All doors should lock and the headlights should come on.
- UNLOCK - Press and release the UNLOCK button on the transmitter. The driver's door should unlock and the headlights should come on.
- Press and release the UNLOCK button again. All doors should unlock.
- Press and hold the PANIC button. The horn should sound and the parking lights should flash.
- Press and release the PANIC button to silence the horn.

**NOTE:** Be sure to test both transmitters that were included in the kit.

### ASSEMBLING ALL REMOVED PANELS TO THE VEHICLE

Refer again to the vehicle repair manual and reassemble all panels removed during installation back onto the vehicle. Thoroughly test all mechanical components disconnected or removed from the vehicle during the installation of this accessory.

### PREPARING THE VEHICLE FOR DELIVERY

To set the arm/disarm chirps to "soft" chirps:

1. Start with the doors in the unlocked position and the Toggle Control Switch in the "OFF" position.
2. Turn the ignition key to the ON position.
3. Turn the ignition key OFF, and then immediately switch the Toggle Control Switch "ON" and then "OFF" 4 times.
4. The vehicle horn should respond with soft horn chirps.

### VEHICLE FUNCTION CHECK

**AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.**



# COMPLETING THE INSTALLATION

## PROGRAMMING NEW OR REPLACEMENT TRANSMITTERS TO THE SECURITY MODULE

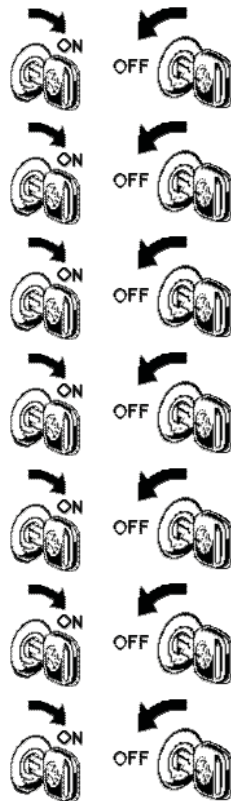
**IMPORTANT NOTE:** Once you enter the programming mode, if 15 seconds elapses with no activity on the system, the programming mode will be terminated. If this happens, simply start over.

### STEP 1:

To get started, enter the vehicle and close all doors. Lock the doors by using the door lock switch mounted on the driver's door panel.

### STEP 2:

Turn the vehicle's ignition key ON and then OFF 7 times...



...ending in the OFF position.

### STEP 3:

Press and hold the Lock button on the transmitter until the driver's side door unlocks.

### STEP 4:

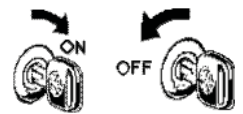
Lock all doors by using the door lock switch mounted on the driver's side door panel.

### STEP 5:

Repeat STEP 3 and STEP 4 for all transmitters that you need to program to operate the vehicle (maximum of 4 transmitters per vehicle).

### STEP 6:

When all transmitters have been programmed, turn the ignition key ON and then OFF to exit the program mode.



## VEHICLE FUNCTION CHECKLIST

### THESE POINTS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

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