

Toyota

Corolla 2014

Keyless Entry

Part Number: 00016-32901

Accessory Code: KE1



Conflicts

Note: **Not for installation on vehicles equipped with factory keyless entry**

Additional Items Required For Installation

| Item# | Quantity Req. | Description |
|-------|---------------|-------------|
| | | |

Kit Contents

| Item# | Quantity Req. | Description |
|-------|---------------|----------------------|
| 1 | 1 | Control 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 |

Vehicle Service Parts (may be required for reassembly)

| Item# | Qty | Description |
|----------------|-----|------------------------------|
| 00016-79200-01 | 1 | Control Module |
| 00016-34030-05 | 2 | Keyless Entry Transmitter |
| 00016-32901-01 | 1 | Main Installation Harness |
| 00016-30960-56 | 1 | On/Off Toggle Control Switch |
| 00016-32901-02 | 1 | Hardware Bag |
| 00016-35105-01 | 1 | Headlight Extension Wire |
| | | |
| | | |







Hardware Bag Contents

| Item# | Quantity Req. | Description |
|-------|---------------|--------------------------|
| 1 | 8 | Red T-Taps |
| 2 | 2 | Blue T-Taps |
| 3 | 8 | Black T-Taps |
| 4 | 1 | Yellow T-Tap |
| 5 | 1 | 2-1/4" x 2-1/4" Foam Pad |
| 6 | 6 | 8" Cable Ties |

Recommended Tools

| | |
|-----------------------------|---------------------------|
| Safety Tools | |
| | |
| Special Tools | |
| | |
| Installation Tools | |
| Phillips Screwdriver | Straight-Slot Screwdriver |
| Ratchet w/ Extension | 10 mm Socket |
| Wire Cutters | Common Pliers |
| Flashlight | Nylon Trim Tool |
| Torque Wrench (48 in. lbs.) | |
| Needle Nose Pliers | |
| Special Chemicals | |
| | |

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. |
|  | CRITICAL PROCESS: Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation. |
|  | TOOLS & EQUIPMENT: This calls out the specific tools and equipment required 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:

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.

PREPARING FOR INSTALLATION

INSTALLATION PREPARATION

Before starting installation

1. Familiarize yourself with the installation instructions.
2. Inspect kit components (Refer to kit contents and hardware bag contents).

VEHICLE PREPARATION

1. Place protective coverings on vehicle.

2. **"IMPORTANT.....IMPORTANT"**



Disconnect Negative Battery Cable

Note: Refer to the repair manual for details and procedures to access and disconnect the negative battery terminal. (Fig. 2a)

REMOVE THE DRIVER'S SIDE SCUFF PLATE:

1. Disengage the (10) claws and remove the LH scuff plate. (Fig. 2b)

REMOVE THE DRIVER'S SIDE KICK PANEL:

1. Remove the plastic nut, disengage the (1) clip and remove the LH kick panel. (Fig. 2c)

REMOVE THE LOWER INSTRUMENT FINISH PANEL (LH):

1. Pry off the far right blank knock out cover using the slot at the bottom of the knock out and remove the screw located behind. Use protective tape to avoid damage to the finish panel when prying. (Fig. 2d)

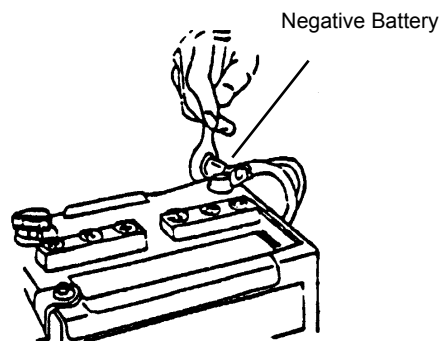


Fig. 2a



Fig. 2b

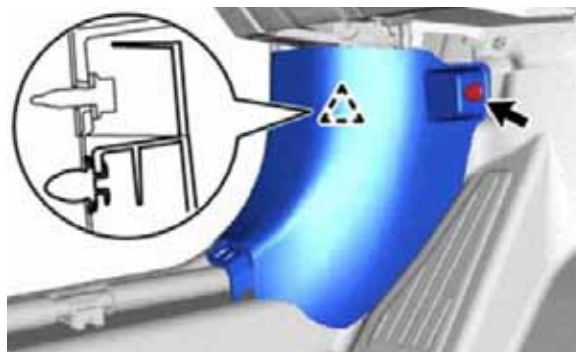


Fig. 2c

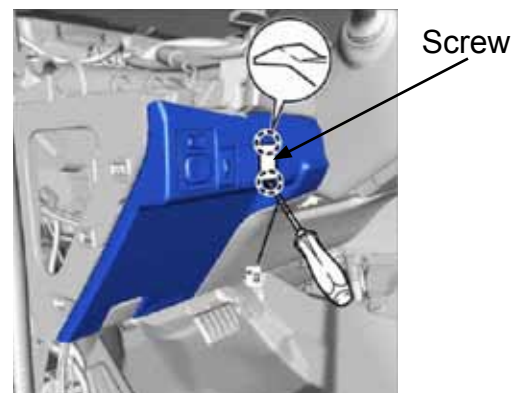


Fig. 2d

PREPARING FOR INSTALLATION

REMOVE THE LOWER INSTRUMENT FINISH PANEL (LH); cont:

1. Disengage the (8) clips, and remove the lower instrument finish panel. Then disconnect any electrical connectors. Using needle-nose pliers, disengage harness clip and remove clip from panel. Remove panel from vehicle and set the panel aside where it will not be damaged. (Fig. 3a)

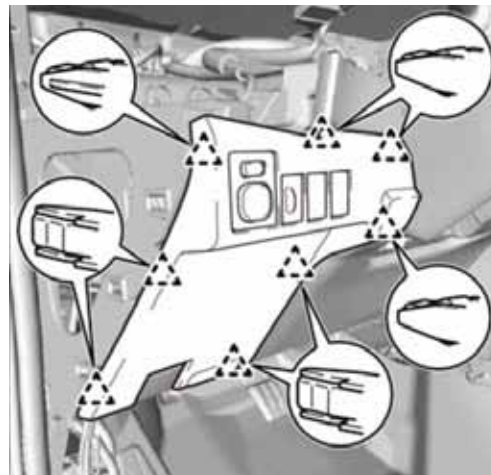


Fig. 3a

REMOVE THE LOWER STEERING COLUMN COVER:

1. Remove the (2) philips screws securing the steering column cover. Then disengage the claws and remove the lower half of the steering column cover. (Fig. 3b)

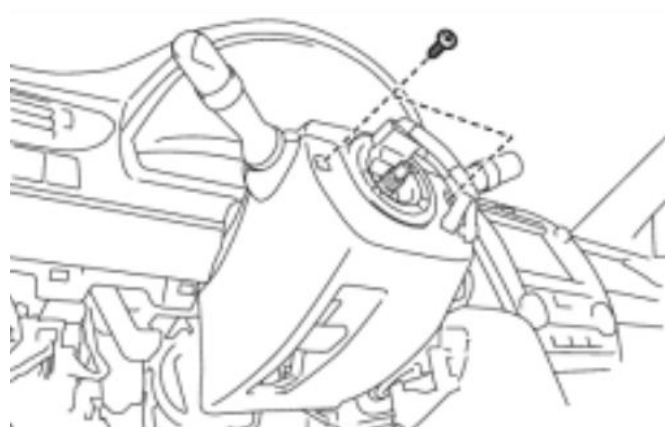


Fig. 3b

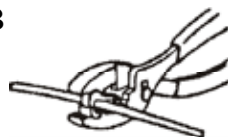
T-TAP INSTALLATION

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. When possible, install T-Taps at least 1" away from connector.

Step A



Step B



Step C



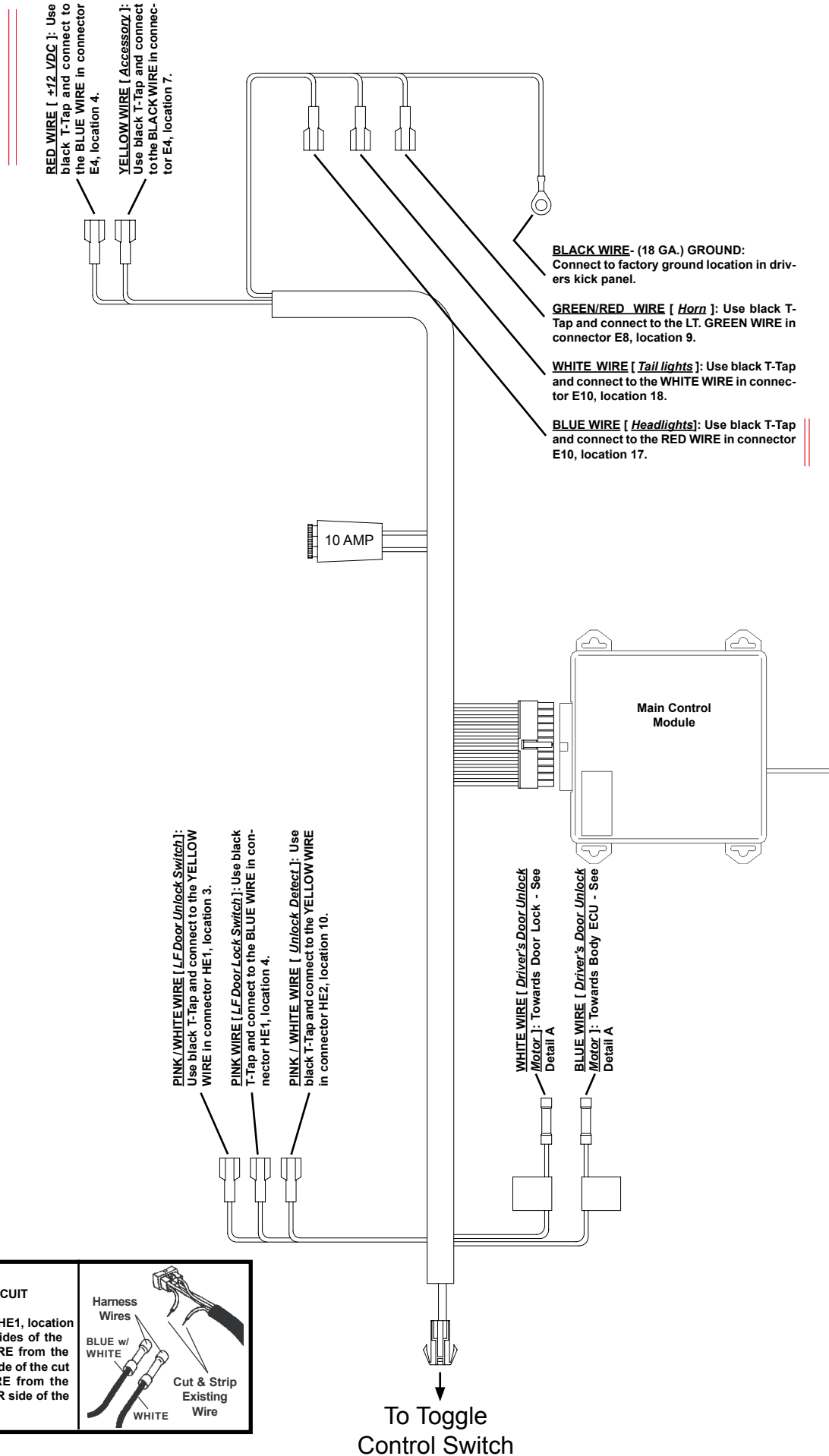
IMPORTANT! After installation, inspect and ensure that Keyless System Harnesses are clear of all **HOT, SHARP or MOVING** objects.

IMPORTANT! Care **MUST** be exercised when using the **BLACK** T-Taps. To avoid damage and broken wires, please note:

- **Ensure there is NO tension on the T-Tap connection when securing the harness. The wire should be slack.**
- **Excessive manipulation and/or stress on the wire connection could lead to wire breakage.**
- **Center the wire in the metal insert, NOT the plastic side of the T-Tap. Misalignment of the wire against the metal insert could lead to cutting the wire.**
- **It is recommended to close close the T-Tap with your fingers (Step A above). After the T-Tap has been closed with your fingers, applying light pressure with a set of pliers will complete the connection.**

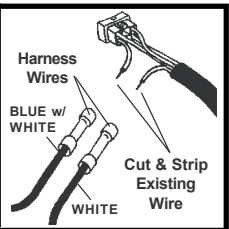
WIRING DIAGRAM - 2014 Corolla Keyless Entry

WIRING DIAGRAM



DETAIL "A"
DRIVER'S DOOR UNLOCK CIRCUIT

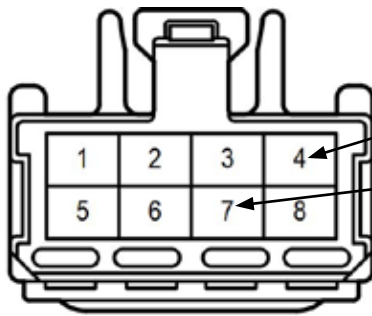
Cut the BLACK WIRE in connector HE1, location 1. Strip the insulation from both sides of the cut wire, and crimp the WHITE WIRE from the keyless harness to the HARNESS side of the cut wire. Crimp the BLUE/WHITE WIRE from the keyless harness to the CONNECTOR side of the cut wire.



CONNECTOR DETAILS - 2014 Corolla Keyless Entry

1. CONNECTOR E4 : Ignition Switch

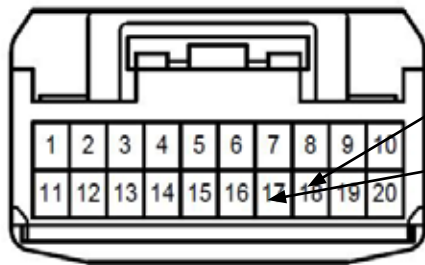
Location : Steering Column



| KEYLESS | CAR | PIN | T-TAP |
|---------|-------|-----|-------|
| Red | Blue | 4 | Black |
| Yellow | Black | 7 | Black |

2. CONNECTOR E10 : Tail Lights / Head Lights

Location : Lower Steering Column Cover Area



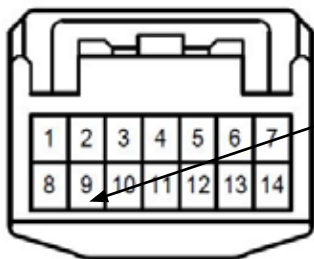
| KEYLESS | CAR | PIN | T-TAP |
|---------|-------|-----|-------|
| White | White | 18 | Black |
| Blue | Red | 17 | Black |

3. CONNECTOR E8 : Horn

Location : Lower Steering Column Cover Area



THERE ARE 2 LT. GREEN WIRES IN CONNECTOR E8. ENSURE CONNECTION IS MADE TO THE LARGER LT. GREEN WIRE IN PIN 9, **NOT THE SMALLER LT. GREEN WIRE IN PIN 13**. DAMAGE TO THE MODULE **WILL** OCCUR IF CONNECTED TO THE WRONG WIRE!



Lt. Green
Pin 9
HORN

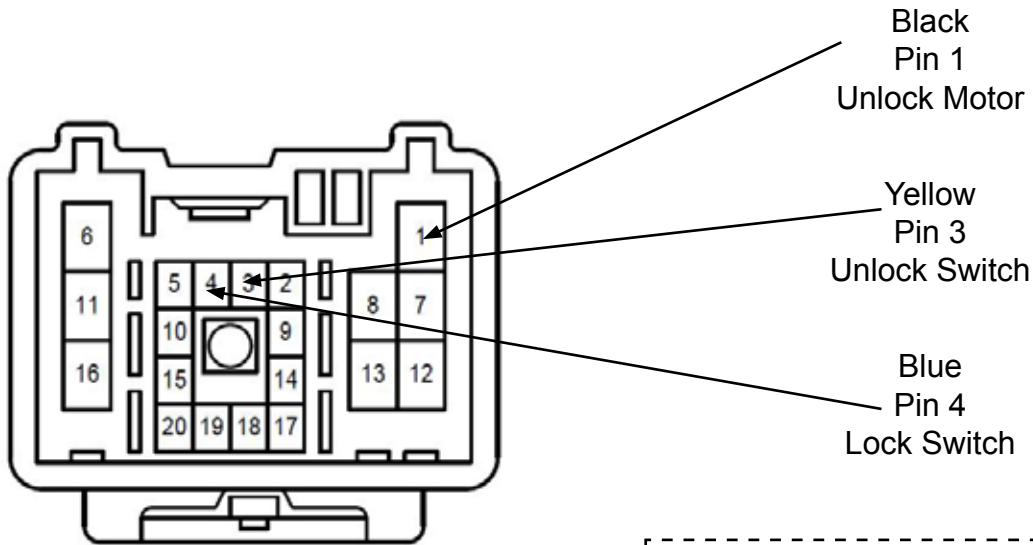


| KEYLESS | CAR | PIN | T-TAP |
|-----------|-----------|-----|-------|
| Green/Red | Lt. Green | 9 | Black |

CONNECTOR DETAILS - 2014 Corolla Keyless Entry

4. CONNECTOR HE1 : Door Locks

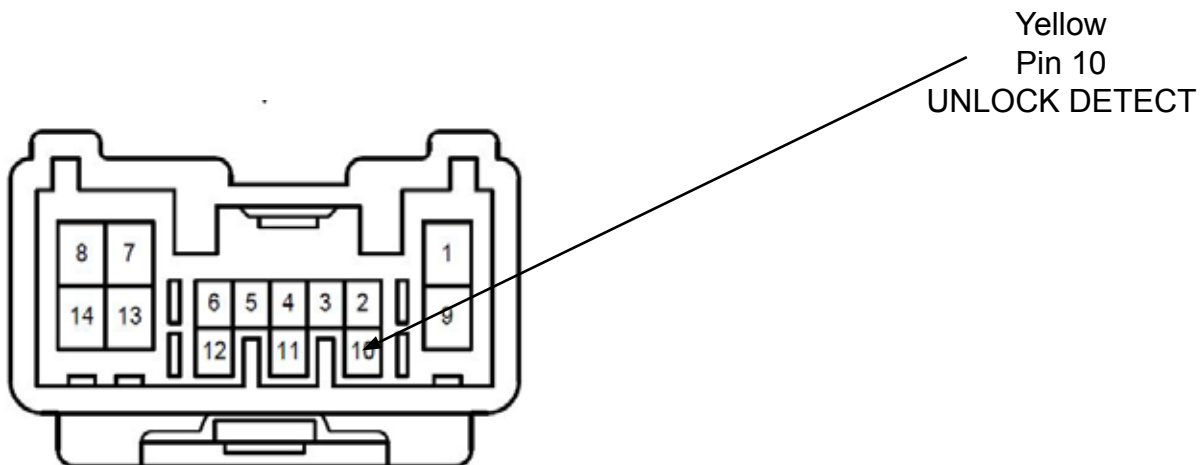
Location : Driver's Kick Panel Area



| KEYLESS | CAR | PIN | T-TAP |
|------------|--------|-----|-----------|
| Pink | Blue | 2 | Black |
| Pink/White | Yellow | 3 | Black |
| White | Black | 1 | Lock Side |
| Blue | Black | 1 | ECU Side |

5. CONNECTOR HE2 - Unlock Detect

Location : Driver's Kick Panel Area



| KEYLESS | CAR | PIN | T-TAP |
|------------|--------|-----|-------|
| Pink/White | Yellow | 10 | Black |

INSTALLING THE KEYLESS ENTRY SYSTEM

IMPORTANT! Make sure that the brake pedal, accelerator pedal, and accelerator pedal linkages are free and clear of all security harnesses.

Mounting the Main Control Module :

1. Connect the main wiring harness to the control module.
2. Apply provided adhesive pad to the side of the control module. Using the adhesive pad, mount the control module to the factory dash brace (to the left of the steering column).
4. Secure the control module to the factory brace with 1 long wire tie. (Fig. 10a)

Control Module



Fig. 10a

Connecting the Security System Harness :

SECURING MODULE GROUND:

1. Locate the factory ground lug in the driver's kick panel area. Secure the black ground wire to the 10mm ground lug. Set Toggle Control Switch to OFF position. Secure excess wiring, Black ground wire, and the Toggle Control Switch to the factory wiring harness with a wire tie as pictured. (Fig. 10b)



Fig. 10b

Factory Ground Lug

Toggle Control Switch

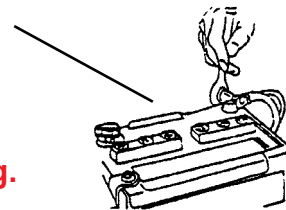
COMPLETING THE INSTALLATION: 2014 COROLLA

NOTE : Re-torque battery cable to 48in lb. once process is completed.



Verify that the DC CUT 30A FUSE is installed prior to testing.

Negative Battery



TESTING THE SYSTEM:

1. Prior to delivering the vehicle, test all features of the system according to the owner's manual included.

LOCK - Press and release the LOCK button on the transmitter. All doors should lock, headlights should come on.

UNLOCK - Press and release the UNLOCK button on the transmitter. The driver's door should unlock, 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 transmitter that were included in the kit.

ASSEMBLE ALL REMOVED PANELS TO THE VEHICLE:

1. Refer again to the vehicle repair manual and reassemble all panels that were removed for installation back onto the vehicle. **Test thoroughly, all mechanical components disconnected and or removed from the vehicle during the installation of this accessory.**

PREPARING THE VEHICLE FOR DELIVERY:

1. To set the arm/disarm chirps to "soft" chirps.
2. Start with the doors in the unlocked position, Toggle Control Switch in the "OFF" position.
3. Turn the ignition key to the on position.
4. Turn the ignition key off, then immediately switch the Toggle Control Switch "ON" then "OFF" 4 times.
5. The vehicle horn should respond with soft horn chirps.

PROGRAMMING NEW or REPLACEMENT TRANSMITTERS TO THE SECURITY MODULE:

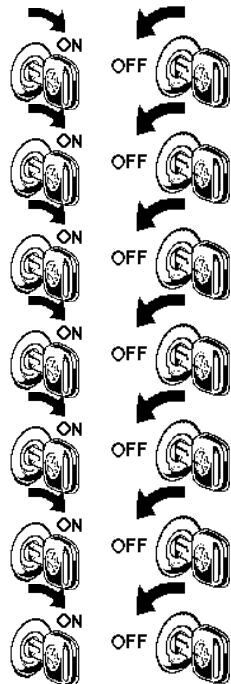
IMPORTANT NOTE : Once you enter the programming mode, if 15 seconds elapse with no activity on the system, the programming mode will be terminated. If this happens, simply start over.

STEP 1

To get started, enter the vehicle and close all doors, then 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 then OFF 7 times.....



....Ending in the OFF position.

STEP 3

Press and Hold the Lock button on the transmitter until the Driver's Door Unlocks.

STEP 4

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

STEP 5

*Repeat Steps 3 and 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 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 <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) | |