

**TOYOTA Tacoma**

**2008 -**

**Keyless Entry Upgrade Alarm**

**Part Number: 00016-35108**

**Code: QS1**



**Kit Contents**

Item #	Quantity Req'd	Description
1	1	Security Module
2	1	Shock Sensor, Dual Stage
3	1	LED / Valet Switch
4	1	HP Switch
5	1	HP Switch Mounting Bracket
6	1	HP Switch Ext. Wire 112"
7	2	Window Warning Decals
8	1	Shock Sensor Ext. Wire
9	1	Main Harness, Keyless Upgrade
10	1	Hardware Bag
11	1	Owner's Manual
12	2	25" Black cable Ties

**Hardware Bag Contents**

Item #	Quantity Req'd	Description
1	9	Maroon Tee-Taps
2	1	2-1/4" x 2-1/4" Foam Pad
3	12	8" Black Cable Ties
4	1	4 Pin Molex Connector

**Conflicts**

Note: **NOT FOR INSTALLATION ON VEHICLES WITH OEM ALARM.**

**Recommended Tools**

<b>Safety Tools</b>	
<b>Special Tools</b>	
<b>INSTALLATION TOOLS</b>	
Phillip screwdriver	Straight-Slot screwdriver
Ratchet w/extension	10 mm socket
Diagonal wire cutters	Common pliers
Flashlight	Nylon trim tool
5/16" drill bit	11mm socket
Torque wrench (36 inlbs)	
<b>Special Chemicals</b>	

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

P/N	Qty	Description
00016-35108-01	1	Control Module
00016-30960-02	1	Shock Sensor Module
00016-35108-02	1	Main Installation Harness
00016-35105-03	1	Hardware Bag
00015-S0234	2	Window Warning Decal
1286203	1	Owner's Card
00016-30960-06	1	Pin Switch
00016-35015-02	1	Pin Switch Bracket
00016-30960-29	1	Shock Sensor Harness
00016-30960-05	1	LED

**Applicability**

Used on all Vehicles Equipped with Factory Keyless Entry.

**Legend**

\* Mandatory

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CRITICAL PROCESS:</b> Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation.
	<b>TOOLS &amp; EQUIPMENT:</b> This calls out the specific tools and equipment required for this process.
	<b>REVISION MARK:</b> This mark highlights a change in installation with respect to previous issue.

**SPECIAL NOTE:** Installation Sequences

After **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.

**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**

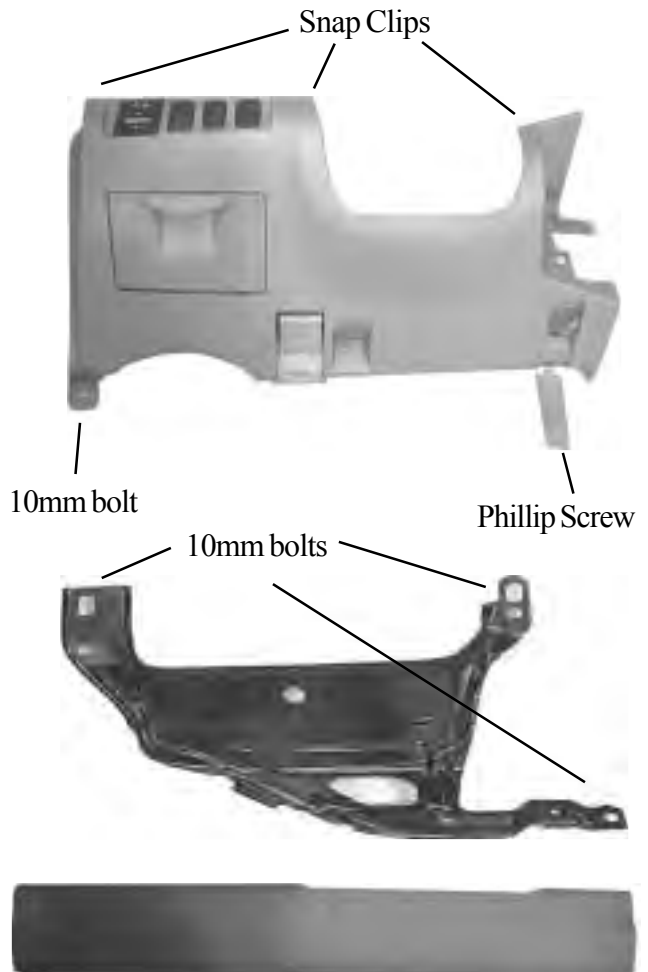
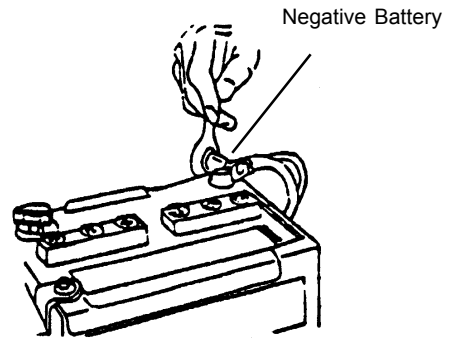
3. Remove (1) 10mm bolt, (1) phillip head screw from the driver's lower finish panel. Disengage the hood release cable from the hood release handle.

Pull the lower finish panel outward from the dash to disengage the snap clips.

4. Remove (3) 10mm bolt from the driver's lower crash shield. Remove metal crash shield.

5. Remove driver's side scuff plate

6. Remove (2) phillip screws from the lower steering column cover. Carefully dislodge the lower steering column cover tabs and remove cover.

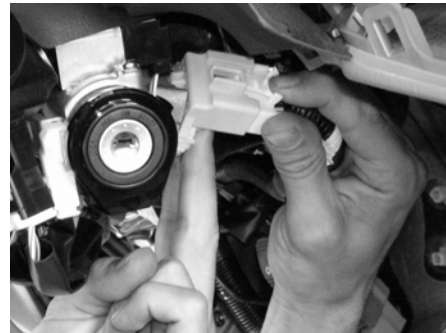
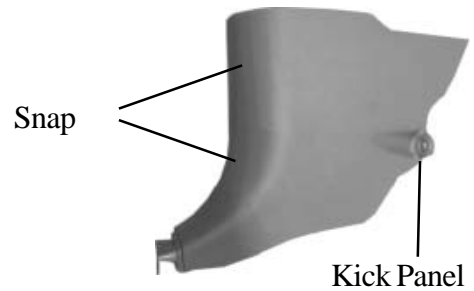


7. Remove the driver's side kick panel. Unscrew and remove kick panel nut. Insert a plastic panel tool under the kick panel and carefully pry "rearward" to disengage the snap clips.

8. Remove ignition switch connectors

**NOTE:**

**When connecting and disconnecting the ignition switch harness connector from the ignition switch, be sure to support the ignition switch assembly as shown. This will help to prevent breaking of the switch assembly, and applying unnecessary pressure to the actual switch contacts.**



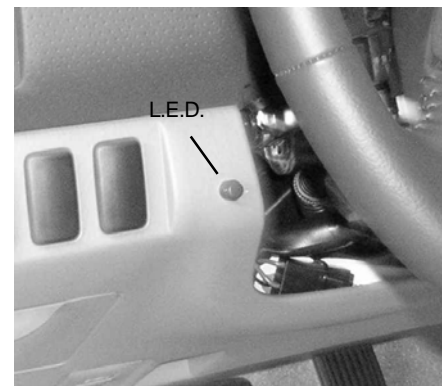
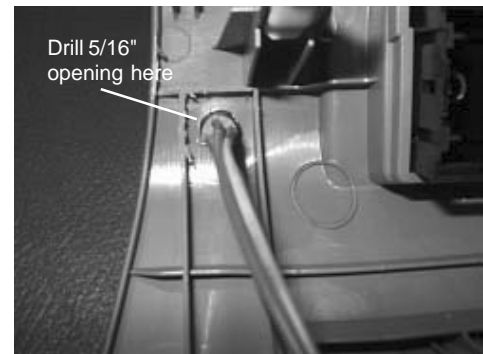
## INSTALLING THE SECURITY SYSTEM

### 1. Mounting the L.E.D. / Valet Switch :

A. Locate the flat area of the dash to the left of the steering column.

B. Carefully drill a 5/16" diameter hole approximately 1 1/2" down and 3/4" to the left of edge of the panel as shown.

C. Remove the knurled mounting nut from the back of the switch, pass the wires through the hole, then secure the switch with the knurled nut.

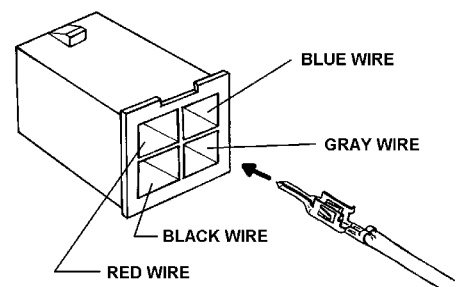


### 2. Preparing the L.E.D. / Valet Switch :

A. Locate the 4 pin Molex connector found in the hardware bag included in the kit.

B. Carefully plug the terminals at the ends of the 4 wires from the switch into the connector housing as shown.

**IMPORTANT!** Be sure to align the terminal correctly before inserting it into the connector housing.



### 3. Mounting the Shock Sensor Module :

A. Use (2) of the short black cable ties provided in the hardware bag, and secure the shock sensor to the main vehicle harness behind the J/B towards the driver's kick panel. Set the sensitivity knob to position 2.

**IMPORTANT NOTE !** Be sure to pass the cable ties through the holes in the upper and lower mounting tabs of the shock sensor, then around and securing to the main harness. Failure to do this could cause the shock sensor to become loose and fall by the driver's feet, seriously affecting the driver's ability to control the vehicle.

### 4. Mounting the Main Control Module :

A. Secure the main module to the dash brace at the left side of the steering column, using the long cable ties and adhesive pad provided in the hardware bag.

Be sure to pass the cable ties through the slots in the module mounting tabs to ensure the module remains in place.

### 5. Mounting the Hood Pin Switch Bracket :

A. Remove the existing 10 mm hex head bolt in the driver's side front fender.

B. Place the pin switch bracket in place, then replace and tighten the bolt securely.

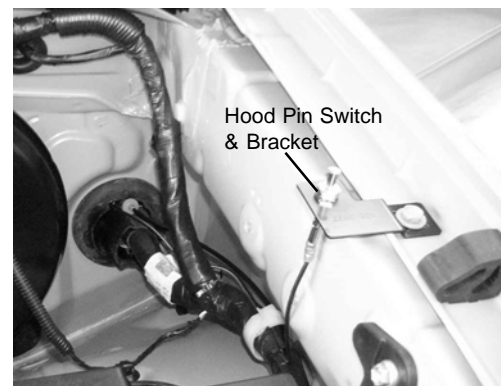
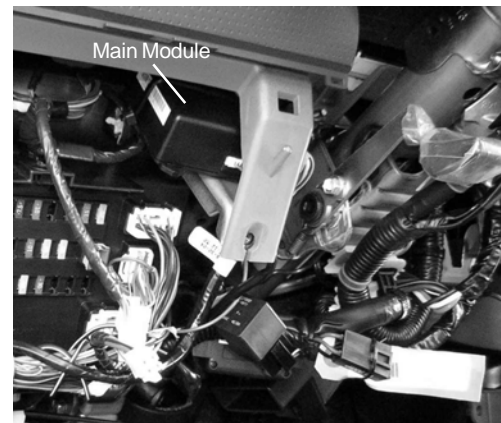
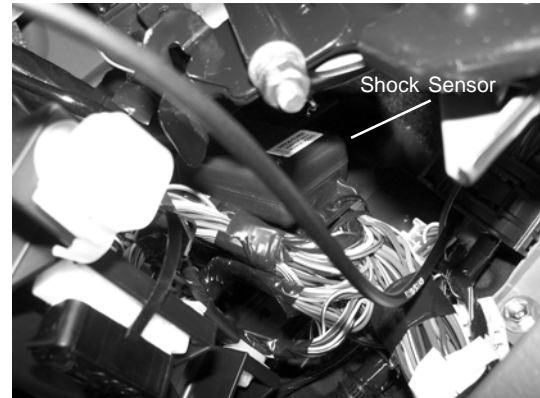
C. Thread the pin switch into the bracket, and tighten securely.

D. Route wire through gromet and seal with silicone to prevent leakage.

### 6. Routing the Main Harness :

A. Route the portion of the harness which includes the Brown, Green w/ Red, and Blue wires to the driver's side JB. Route the 8 pin ignition connectors over the steering column to the ignition switch.

B. Secure the main harness along it's routing with the cable ties provided. Be sure that the harness is clear of all sharp and moving objects.



## **7. Installing the Shock Sensor Harness :**

- A. Plug the 5 pin end of the harness into the mating connector on the main control module.
- B. Route the harness towards the shock sensor, where it will not interfere with any sharp or moving objects.
- C. Secure the harness along the routing path using the cable ties provided.

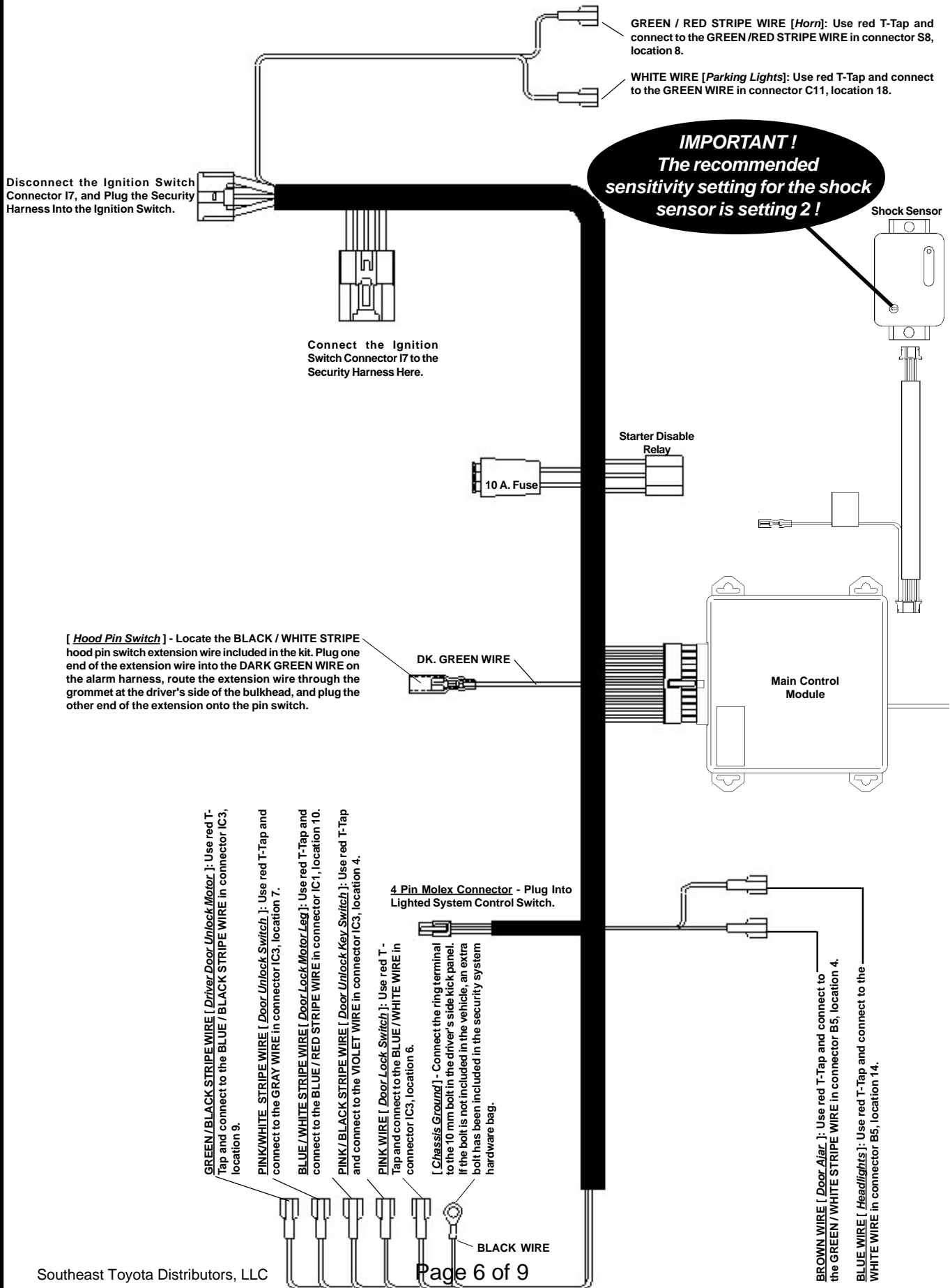
***IMPORTANT ! Make sure that the brake pedal, accelerator pedal, and accelerator pedal linkages are free and clear of all security harnesses.***

## **8. Connecting the Security System Harness :**

- A. Carefully follow the wiring diagram and factory connector details found on the following two pages.

# WIRING DIAGRAM - Tacoma Keyless Upgrade Alarm

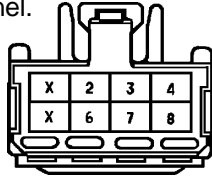
WIRING DIAGRAM



# CONNECTOR DETAILS -

## 1. CONNECTOR I7: Ignition Switch

**Location :** At Back Of Ignition Switch, behind lower Steering Column Cover Panel.

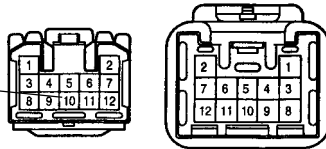


Disconnect the Ignition Switch Connector and plug in the security main harness into the ignition switch connectors.

## 2. CONNECTOR IC1 : Driver's Door Lock Motor

**Location :** Driver's Side Kick Panel.

**Location 10**  
Blue w/ Red Stripe  
Door Lock Motor Leg



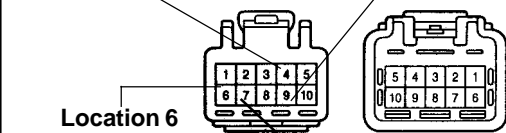
<b>ALARM</b>	<b>CAR</b>
Blue/White	Blue/Red

## 3. CONNECTOR IC3 : Driver's Door Unlock Motor and Switch

**Location :** Driver's Side Kick Panel.

**Location 4**  
Violet  
Door Unlock Key Switch

**Location 9**  
Blue w/ Black Stripe  
Driver's Door Unlock Motor Leg



**Location 6**  
Blue w/ White Stripe  
Door Lock Switch

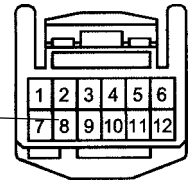
**Location 7**  
Gray  
Door Unlock Switch

<b>ALARM</b>	<b>CAR</b>
Pink	Blue/White
Pink/Black	Violet
Green/Black	Blue/Black
Pink/White	Gray

## 4. CONNECTOR S8 : Horn

**Location :** Top of steering column, spiral cable.

**Location 8**  
Green w/ Red Stripe  
Horn



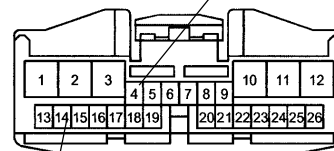
<b>ALARM</b>	<b>CAR</b>
Green/Red	Green/Red

## 5. CONNECTOR B5 : Body Computer

**Location :** Back of JB.

For easier access lower Junction Box

**Location 4**  
Green w/ White Stripe  
Door Ajar Light



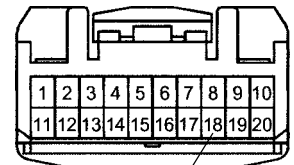
**Location 14**  
White  
Headlights

<b>ALARM</b>	<b>CAR</b>
Brown	Green/White
Blue	White

## 6. CONNECTOR C11 : Taillight Switch

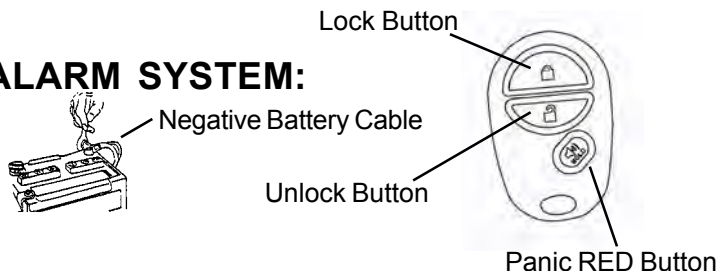
**Location :** Top of Steering Column.

**Location 18**  
Green  
Tail Lights



<b>ALARM</b>	<b>CAR</b>
White	Green

## TESTING ALARM SYSTEM:



### A. RECONNECT THE BATTERY:

Connect Negative cable to vehicle battery and torque to 36in. lbs.

- B. Test BOTH remote transmitters, one at a time.**  
Press and release the "LOCK" button.

### C. VALET CONTROL SWITCH:

1. Sit in the driver's seat, insert the ignition key and turn to the ON position.
2. Press the valet control switch and verify that the LED light responds. Light should go ON and OFF with actuation of the valet control switch.
3. With the LED indicator light ON, ignition OFF and key removed, the security system is in the valet mode and the alarm should not arm. Press the "LOCK" button, the parking lights will flash once, all doors will lock, headlights will come on for 20 seconds. Press the "UNLOCK" button, the parking lights will flash twice, driver's door only will unlock, headlights come on for 20 seconds.
4. Ignition key ON, LED light OFF, Ignition key OFF.

### D. ARMING/DISARMING:

1. Put all vehicle windows down and close hood and all doors.
2. Press and release the "LOCK" transmitter button.
3. All doors should lock, parking lights flash once, horn chirps once, headlights come on for 20 seconds and the LED should flash slowly. (Note: If the parking lights flash three times and the horn chirps three times, check for an open hood or door.)
4. Press the "UNLOCK" button, the horn chirps (2) times, parking lights flash (2) times, headlights come on for 20 seconds, driver's door only unlocks.

### E. SHOCK SENSOR:

1. Press the "LOCK" button to arm the system. With the open palm lightly slap the "A" pillar by the driver's windshield. You should hear short chirps from the vehicle horn. This is a check of the shock sensor "WARN-AWAY" function. Allow a few seconds for the shock to settle, then conduct the same check at various points around the vehicle. Sensitivity can be adjusted at the shock sensor for best response.
2. Slap the vehicle at the "A" pillar with slightly more force. The vehicle should go into full alarm. Press the "UNLOCK" button to disarm the system. Rearm the vehicle and conduct the same check at various points around the vehicle. Adjust sensitivity at the shock sensor for the best response.

### F. STARTER INTERRUPT:

1. Set in the driver's seat with all the doors closed. Press the "LOCK" button to arm the system. Insert the ignition key and turn to the start position. The starter should not crank the engine. Press the "UNLOCK" button to disarm the system. Turn to the start position. The starter should crank the engine. Exit vehicle.

### G. DEFECTIVE OR LOST TRANSMITTER:

1. Press the "LOCK" button to arm the system. Use the key to unlock and open the driver's door. The alarm will sound. Enter the vehicle, insert the ignition key and turn to the on position. Press the valet control switch once, the alarm should deactivate and the vehicle should now start.

### H. REMOTE TRANSMITTER OPERATION:

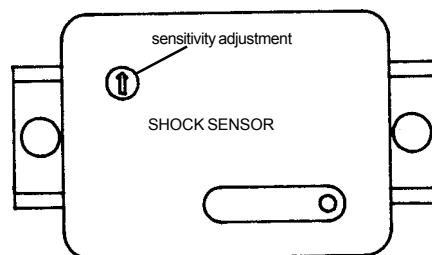
1. Press the "LOCK" button, the system should arm and lock all doors.
2. Press the "UNLOCK" button, the system will also disarm and unlock the driver's door.
3. Press the "UNLOCK" button a second time and all doors should unlock.

### I. INTRUSION TEST:

1. Rearm the security system by pressing the "LOCK" button. Open any door or hatch. The system should simultaneously sound the horn and flash the parking lights.
2. Disarm the security system by pressing the "UNLOCK" button. The system should sound (4) chirps of the horn, the parking lights should flash (4) times, indicating vehicle intrusion.
3. The LED should indicate the point of intrusion after disarming the system. Observe the LED for 1, 2, or 3 flashes. Compare your observations to the following.

- (1) Flash = Shock
- (2) Flashes = Hood
- (3) Flashes = Vehicle Doors

**SYSTEM AUTOMATICALLY CLEARS ALL STORED VIOLATIONS WHEN THE IGNITION SWITCH IS TURNED TO THE "ON" POSITION.**





## COMPLETING THE INSTALLATION:

### ASSEMBLE ALL REMOVED PANELS:

1. Refer again to the vehicle repair manual and re-assemble all panels that were removed. **Test thoroughly, all mechanical and electrical components disconnected and or removed from the vehicle during the installation of this accessory.**

### PREPARING VEHICLE FOR DELIVERY:

#### Turn the arm/disarm chirps off:

1. Start with the LED/Valet switch in the off (out) position.
2. Turn the ignition key to the on position.
3. Turn the ignition key off, the immediately press and release the LED/Valet switch 3 times. (You will hear 2 chirps to confirm that the chirps were turned off.)

#### Place the system into Valet mode. (VPC only)

1. Start with the LED/Valet switch in the off (out) position.
2. Turn the ignition key to the on position.
3. Press the LED/Valet switch one time. The switch is in the in position, and the red LED light is turned on solid, indicating that the system is in the Valet mode.



**IMPORTANT:** Clean the window before applying the security decal.

#### Applying the window warning decal:

1. Apply the window warning decals to the driver side and passenger side windows, *(if the factory warning decal is not present)* just above the anti-theft radio stickers if equipped. If not equipped, apply the decals at the lower rear edge of the window. (The decals are reverse printed and are applied to the **inside surface** of the glass.)

#### Owner's Manual:

1. Leave the Keyless Entry Security owner's manual in the vehicle glove box.

