

**Toyota Camry**

2010 -

**Keyless Entry System**

Part Number: 00016-32901

Code: KE1

**Conflicts**

**NOTE: Not for installation on vehicle's equipped with factory installed keyless entry.**

**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

**Hardware Bag Contents**

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

**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
7/16" Comb. wrench	
Torque Wrench 36in. lbs.	
<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	2	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
00016-30960-09	1	34" Headlight Extension Wire

**General Applicability**

**Power door locks required**

**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.

## INSTALLATION PREPARATION

Before starting installation

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

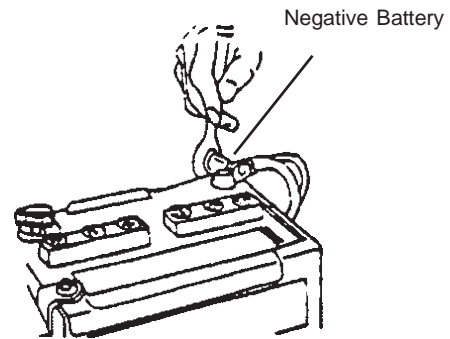
## VEHICLE PREPARATION

1. Place protective coverings on vehicle.

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

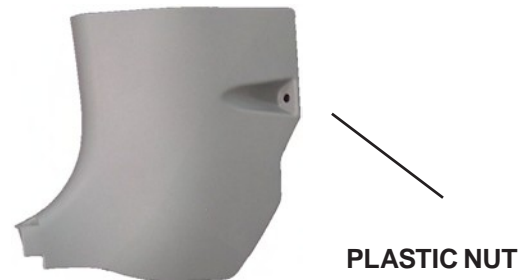


**Disconnect Negative Battery Cable**



### REMOVE THE DRIVER'S SIDE KICK PANEL:

1. Refer to the vehicle repair manual, and carefully remove front kick panel.



### REMOVE THE DRIVER'S SIDE SCUFF PLATE:

1. Refer to the vehicle repair manual, and carefully remove front scuff plate.



### REMOVE THE UPPER DASH PANEL:

1. Refer to the vehicle repair manual, and carefully remove the driver's side upper dash panel.



## PREPARING FOR INSTALLATION

### REMOVE THE LOWER FINISH PANEL:

1. Remove (1) 10mm bolt and (1) phillips screw from the driver's side lower finish panel.
2. Disengage the hood release cable from the hood release latch handle.
3. Carefully pull the lower finish panel outward from the vehicle dash to disengage the snap clips holding it place, then set the panel aside where it will not be damaged.



### REMOVE THE LOWER CRASH SHIELD:

1. Remove (4) 10mm bolts from the driver's lower crash shield.
2. Place a protective cover on the driver's floor area, and wrap the metal crash shield with a cover to prevent scratching before moving it to the side.



### REMOVE THE STEERING WHEEL SHROUD:

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

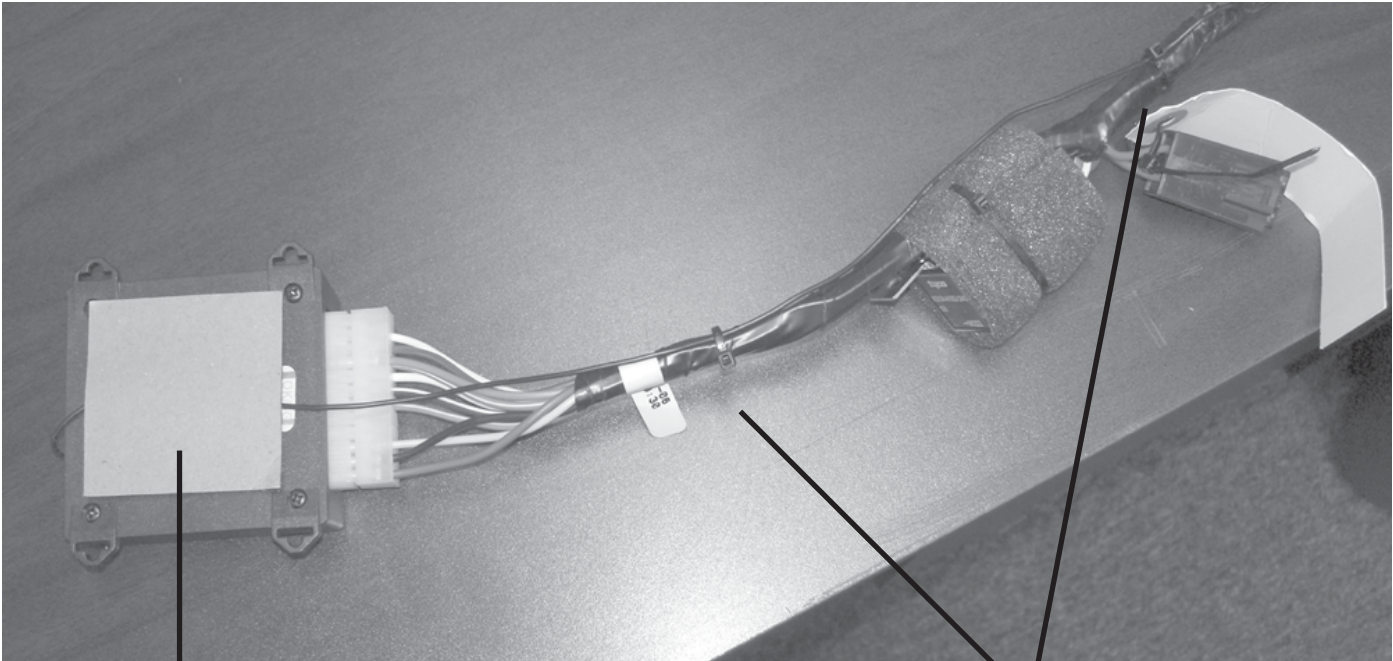


**MODULE PREPARATION**

1. Secure the antenna to the back side of the module, using a supplied foam pad.
2. Route the antenna and secure 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.



Foam Pad

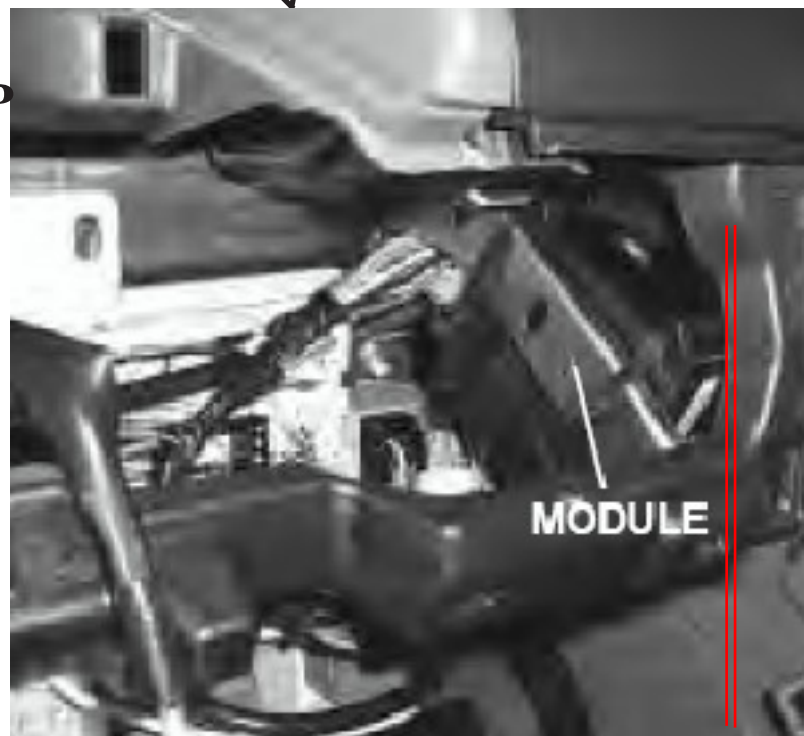
**INSTALLATION P****MOUNTING MAIN CONTROL MODULE:**

1. Secure the main module to the vehicle dash brace as shown, located left of the steering column. Use the adhesive pad to position module, secure in place with the long cable ties provided.



**NOTE:** Guide long cable through the module eyelets as shown.

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





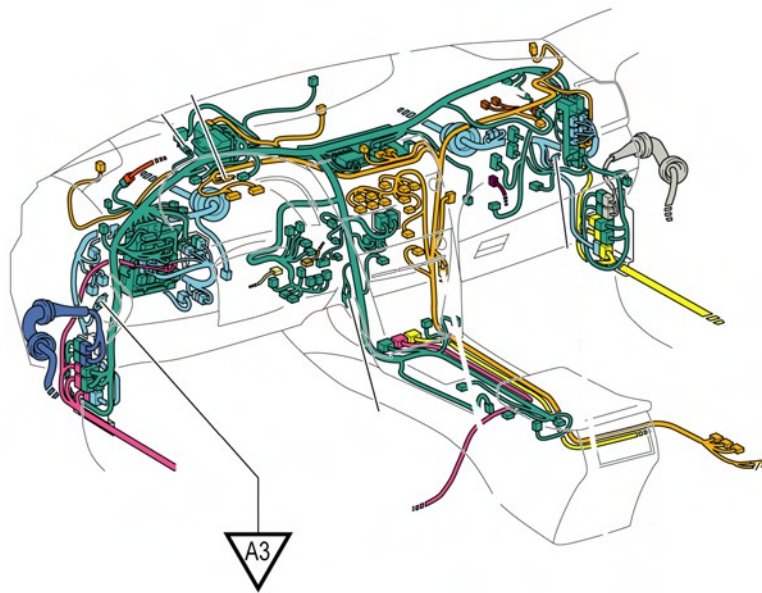
## INSTALLATION PROCEDURES

### MOUNTING THE TOGGLE SWITCH:

A. Install the ON/OFF bezel and nut. Tighten nut with care, do not over torque the nut.

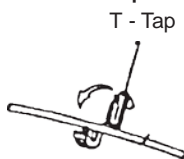
B. Tie wrap to main harness loom in driver's kick panel directly beside the A3 ground lug as shown.

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

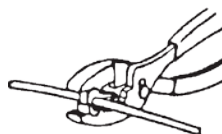


### T-TAP INSTALLATION:

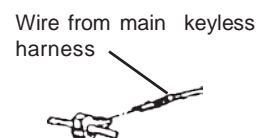
A. When installing female T - Tap connectors, be sure the wire is located inside the wire channel of the female T - Tap connector before closing connector over the wire with pliers.



Step A



Step B



Step C

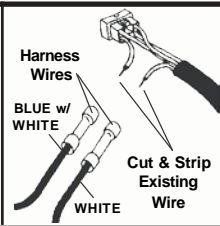


**IMPORTANT!** After installation, inspect & insure that all Keyless System Harness are clear of all HOT, SHARP or MOVING objects

# WIRING DIAGRAM

## DETAIL "A" DRIVER'S DOOR UNLOCK CIRCUIT

Cut the WHITE WIRE in connector IE2, location 25. 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.



WHITE [Driver Door Unlock Motor - Towards Door Lock] - (See Detail A Below)

BLUE/WHITE [Driver Door Unlock Motor - Towards Body ECU] - (See Detail A Above)

2 Pin Molex Connector - Plug into Toggle Control Switch.

PINK [Passenger Key Lock Switch]: Use a red T-Tap and connect to the LT. BLUE \*\* wire in connector IJ, location 3.

PINK/WHITE [Passenger Key Unlock Switch]: Use a red T-Tap and connect to the GREEN\*\* wire in connector IJ, location 4.

PINK/WHITE [Door Unlock Detect Switch]: Use a red T-Tap and connect to the BLUE wire in connector IE2, location 24.

**\*\* Note:** Due to harness length, red T-Taps must be placed 6"- 8" from the IJ connector.

CHASSIS GROUND - Connect the ring terminal to the 10mm A3 factory ground lug located in the driver's kick panel.

GREEN/RED WIRE [Horn]: Use red T-Tap and connect to the WHITE WIRE in connector E18, location 8.

WHITE WIRE [Tail Lights]: Use red T-Tap and connect to the BLACK WIRE in connector E21, location 18.

BLUE WIRE [Headlights]: Use red T-Tap and connect to the RED WIRE in connector E21, location 17.

RED [+12VDC Battery]: Use a blue T-Tap and connect to the BLACK wire in connector E23, location 5.

YELLOW [+12VDC Accessory]: Use a blue T-Tap and connect to the YELLOW wire in connector E23, location 6.

**Conflicts**  
**NOTE:** Not for installation on vehicle's equipped with factory installed keyless entry.

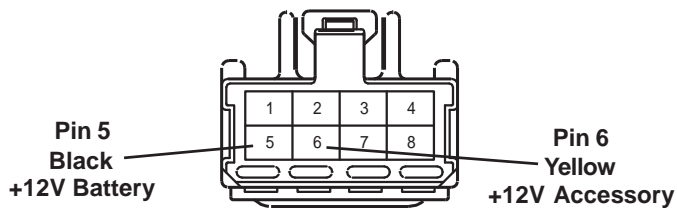
WIRING DIAGRAM

CAMRY

# CONNECTOR DETAILS: CAMRY

## 1. CONNECTOR E23 : Ignition Switch

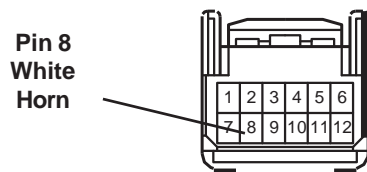
Location : Steering Column



CAR	KEYLESS
Black	Red
Yellow	Yellow

## 2. CONNECTOR E18 : Horn

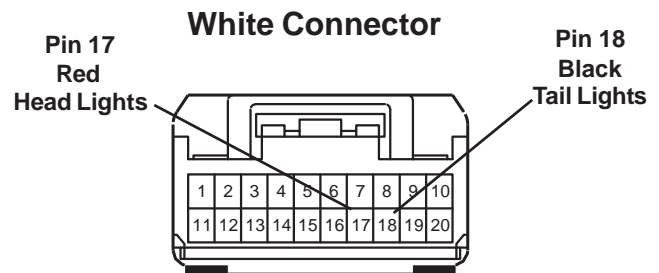
Location : Spiral Spring Connector Top Of Steering Column  
Black Connector



CAR	KEYLESS
White	Green/Red

## 3. CONNECTOR E21 : Tailights

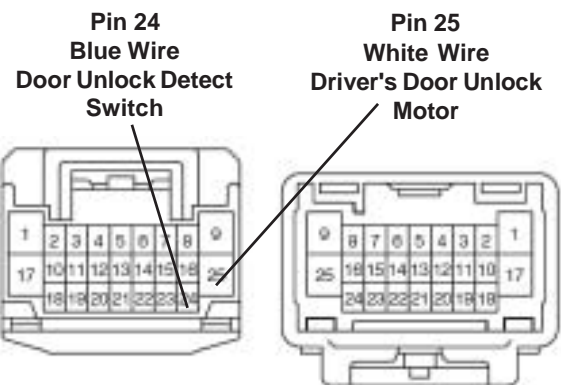
Location : Combination Switch Connector



CAR	KEYLESS
Red	Blue
Black	White

## 4. CONNECTOR IE2 : Door Locks

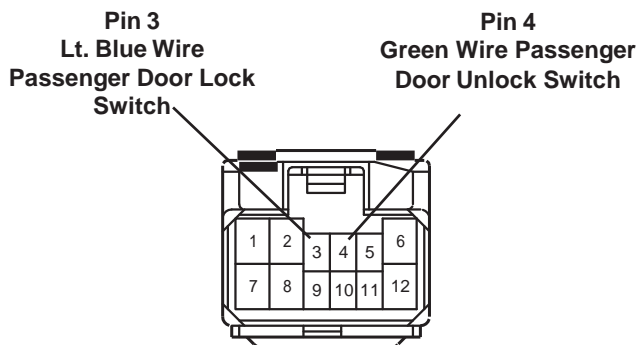
Location : Driver's Kick Panel



CAR	KEYLESS
White	White & Blue/White
Blue	Pink/White

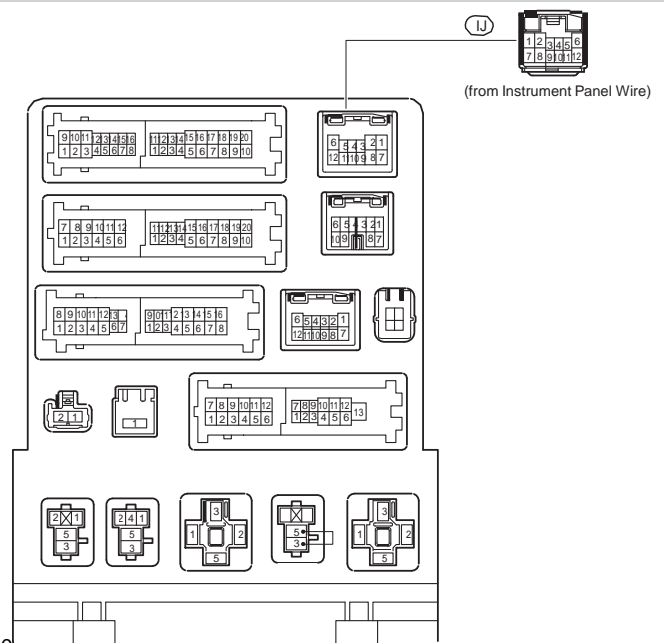
## 5. CONNECTOR IJ : Door Locks

Location : Driver's JB



CAR	KEYLESS
Lt. Blue	Pink
Green	Pink/White

\*\*Please see note on page 6 regarding T-Tap placement  
Southeast Toyota Distributors, LLC



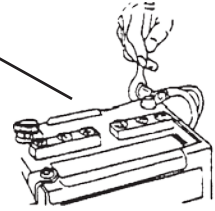
# COMPLETING THE INSTALLATION: CAMRY

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



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

Negative Battery Cable



## 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.

## 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.

## 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.

The vehicle horn should respond with soft chirps.



# COMPLETING THE INSTALLATION: CAMRY

## 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

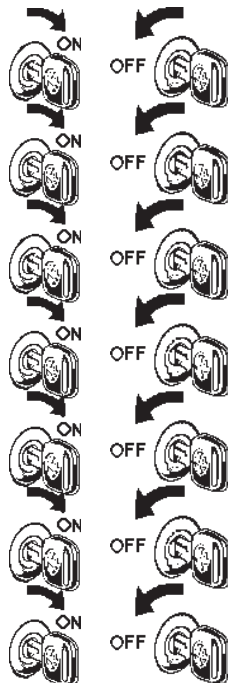
*To get started, enter the vehicle and close all doors, then lock the doors by using the door lock switch mounted on the driver's door panel.*

### STEP 3

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

### STEP 2

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



*....Ending in the OFF position.*

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