



**KIA MOTORS**

**KIA Genuine Accessories**

Vehicle Model Sorento (Push Button)  
Model Year 2011~  
KMA Part No. U8560 1U010

Accessory Remote Engine Start  
Difficulty ( B )

Note: Difficulty stated above reflects the minimum level of expertise required to install the accessory

( A ) Customer ( B ) Dealer Technician ( C ) Master Technician

**Ensure vehicle is equipped with automatic transmission, power door locks and power windows. If the vehicle is not equipped with these options, do not proceed. Ensure vehicle DOES have SMART KEY.**

**Instruction Symbols / Definitions**

	Denotes warnings that may lead to serious physical injury or vehicle damage.		Denotes quality processes to be checked prior to moving to the next step.	Denotes safety equipment required to be used such as a mask, goggles, rubber gloves, and hearing protection.	
	Denotes cautions to be taken to avoid physical injury or electronic component damage.		Denotes specific tools that are necessary to complete the step.		
	Denotes cautions to be taken to avoid vehicle and component damage.	<b>NOTE</b>	Denotes instructional steps necessary to complete the process.		
				Mask	Goggles
				Rubber Gloves	Hearing Protection

**Basic Required Hand Tools**

1/4" Drive Ratchet	1/4" Drive 10 mm Socket	1/4" Drive 3/8" Deep Socket
Phillips Screwdriver	Pliers	1/4" Drive 6" Extension
Trim Tool	Wire Cutter	Alcohol Cleaner
Center Fascia Removal Tool P/N: 09840-1E100	1/4" Drive Torque Wrench	Flat Screwdriver

**Notes to the Installer:**

Read the entire installation manual prior to beginning the installation of the accessory.

Factory wire harness colors are subject to change, please use the specified pin # in the harness connector to identify the correct wire for T-Tap installation.

Ensure that the vehicle is properly protected in the area that the accessory is to be installed.

To prevent vehicle damage, never place tools on top of painted surfaces, seats, dash pad, console or floor carpet / mat.

Always wear appropriate safety gear to include gloves and eye protection when required.

Prior to disconnecting the negative lead to the battery, note the AM/FM and satellite set frequencies on the inspection page, if applicable.

To prevent stress on the remote start wire harness, ensure the tilt/telescopic steering column is fully extended, if equipped.

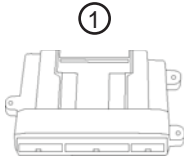
Ensure the transportation fuse is properly installed before performing the function check on page 17.



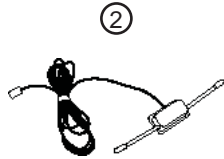
**Technical Support**

For Authorized Dealers - (800) 667-5176  
Hours: 9:00 a.m. - 6:00 p.m. EST Monday - Friday  
9:00 a.m. - 3:00 p.m. EST Saturday

# KIA Genuine Accessories



Control Module P/N: U8560 00002  
DNA P/N: U8560 00014



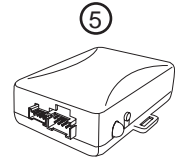
P/N: 00056 ADU50



P/N: U8560 00009



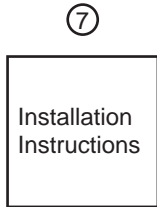
P/N: U8561 1U010



P/N: U8560 00010



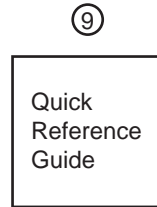
Hardware Kit



Installation Instructions



Owner's Guide

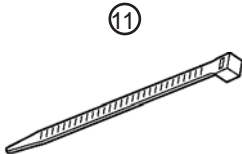


Quick Reference Guide

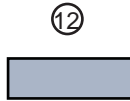


Warning Label

P/N: XMIN-U8560 1U010-DP



15" Wire Tie (Large)



Foam Tape

No.	Qty.	Description	No.	Qty.	Description
1	1	Control Module/DNA	10	1	Warning Label
2	1	Dipole Antenna	11	6	15" Wire Tie (Large)
3	2	Transmitters	12	1	Foam Tape
4	1	Wire Harness			
5	1	Immobilizer Interface Module			
6	1	Hardware Kit			
7	1	Installation Instructions			
8	1	Owner's Guide			
9	1	Quick reference Guide			

A	
15	8" Wire Tie (Small)

B	
6	Female T-Tap

C	
1	#10-24 Serrated Flange Hex Bolt

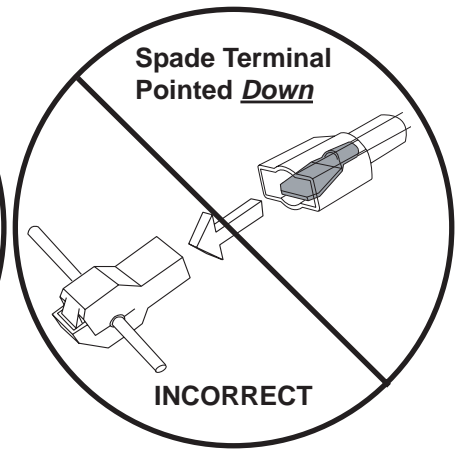
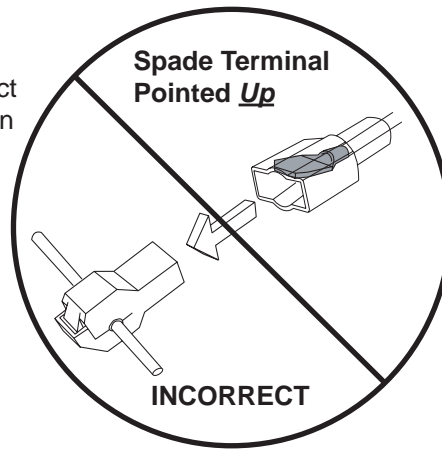
D	
1	#10-24 Serrated Flange Hex Nut

E	
3	Foam Tape

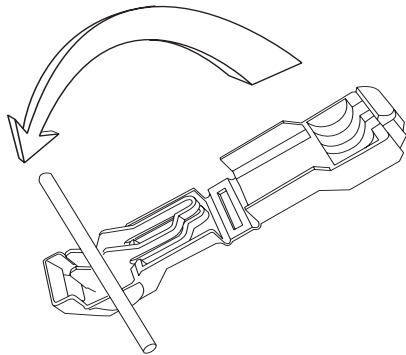
Hardware Kit Total
26

**T-Tap Installation Procedure**

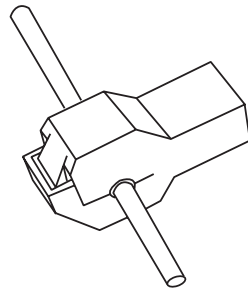
Factory wire harness colors are subject to change, please use the specified pin # in the harness connector to identify the correct wire for T-Tap installation.



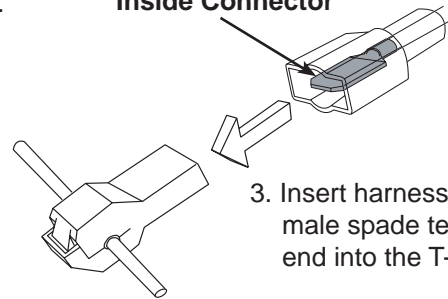
1. Place T-Tap on vehicle wire.



2. Using pliers, close and crimp T-Tap around vehicle wire.



**CORRECT**  
Spade Terminal CENTERED  
Inside Connector



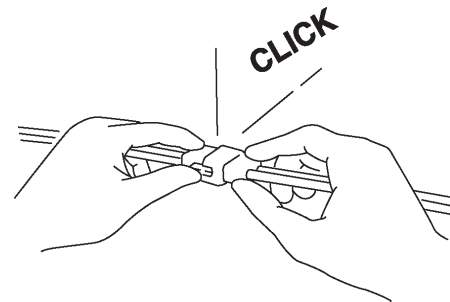
3. Insert harness wire with male spade terminal end into the T-Tap.

**\*\* Extreme care must be taken to ensure that the male spade terminal is inserted into the T-Tap properly.**



**Disconnecting Connectors**

When disconnecting connectors, grasp the connectors, not the wires.

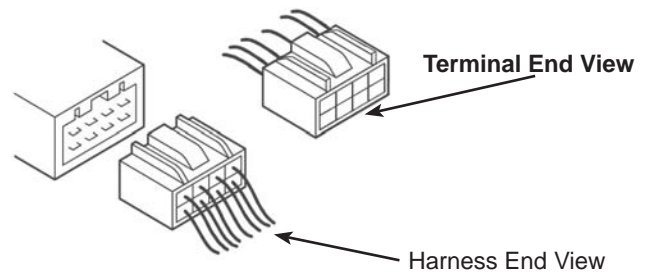
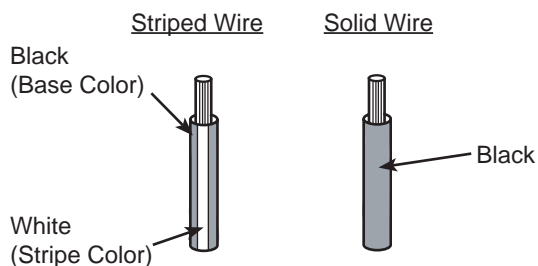


**Locking Connectors**

When locking connectors, listen for a click indicating they are securely locked.

**Wire Colors**

When a two-color wire is listed, the first color indicates the base color of the wire, the second color indicates the color of the stripe. For example: Black/White.



**Connector Diagrams**

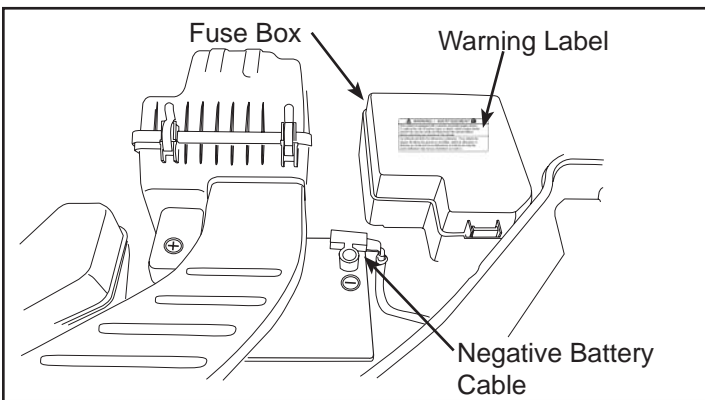
Connector diagrams may be shown on the harness side or the terminal side, extreme care must be taken to verify proper terminal location before a T-Tap connection is made.

## KIA Genuine Accessories (Vehicle Disassembly)

### Vehicle Preparation

**0**

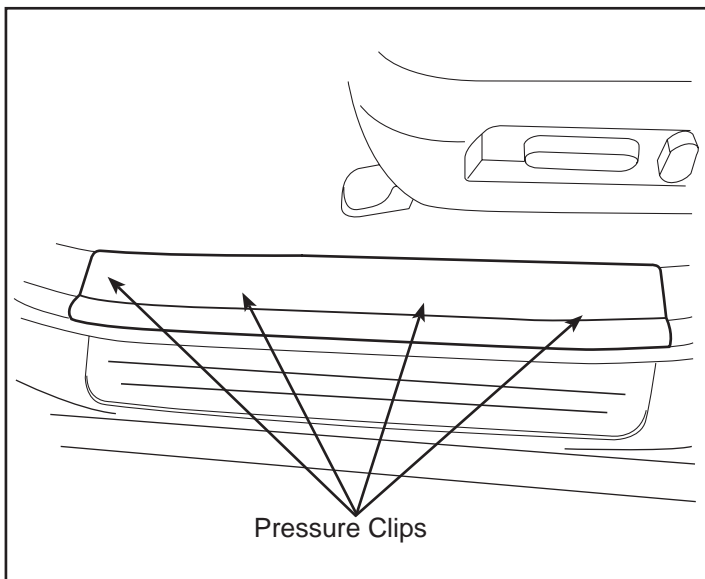
- \*Clean hands.
- \*Set the parking brake and open driver's door window.
- \*Record radio station presets, if applicable.
- \*Vehicle should be at room temperature.
- \*Ensure vehicle is equipped with automatic transmission, power door locks and power windows. If the vehicle is not equipped with these options, do not proceed. Ensure vehicle **DOES** have SMART KEY.
- \*ENSURE THE TILT/TELESCOPIC STEERING WHEEL COLUMN IS FULLY EXTENDED AND LOCKED **BEFORE** INSTALLING THIS ACCESSORY.



1/4" Drive Ratchet, 10 mm Socket **1**

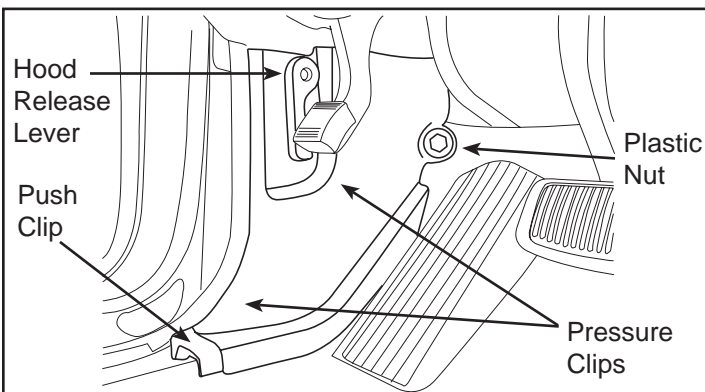
- N** \*Remove and isolate the negative battery cable from the battery.  
**O**  
**T** \*Using alcohol, clean the top surface of the underhood fuse box. Ensure the surface is completely dry.  
**E** \*Remove the backing on the under hood label and mount in place, as shown above.

**WARNING! Shock Hazard. Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious physical injury or vehicle damage may occur.**



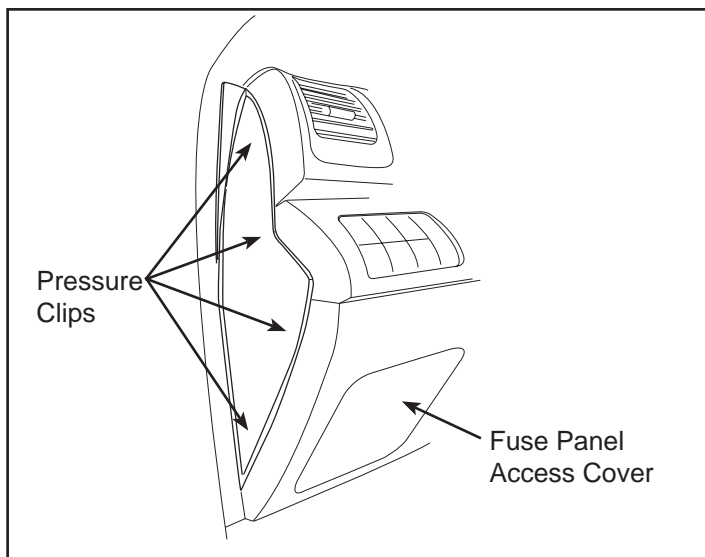
Trim Tool **2**

- N** \*Remove the driver's side front door step sill trim panel by inserting the trim removal tool under the trim panel and prying upward to release the (4) pressure clips.  
**O**  
**T** \*Disconnect any connectors, if equipped.  
**E**



Trim Tool **3**

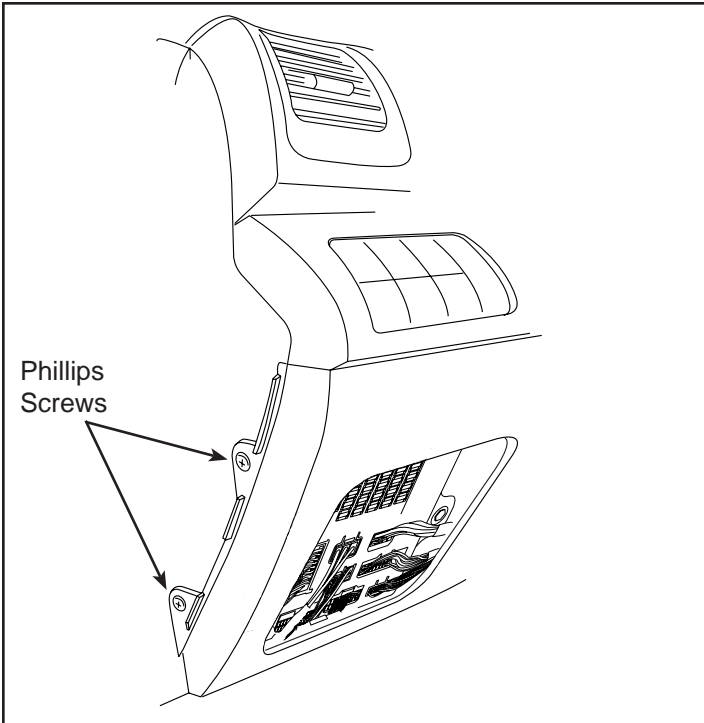
- N** \*Carefully pull the weatherstrip away from the side of the driver's kick panel.  
**O**  
**T** \*Remove the hood release lever by pulling toward the center of the vehicle.  
**E** \*Remove the plastic nut located near the vehicle dash-wall, if equipped.  
 \*Remove the driver's side kick panel from the vehicle by pulling upward to release the push clip and prying toward the center of the vehicle to disengage the (2) pressure clips.



Trim Tool **4**

- N** \*Disassembly Tip - Remove the fuse panel access cover to assist in the removal of the driver's side dash end cap.  
**O**  
**T** \*Remove the driver's side dash end cap panel by prying outward to disengage the (4) pressure clips.  
**E**

## KIA Genuine Accessories (Vehicle Disassembly)



Phillips  
Screws

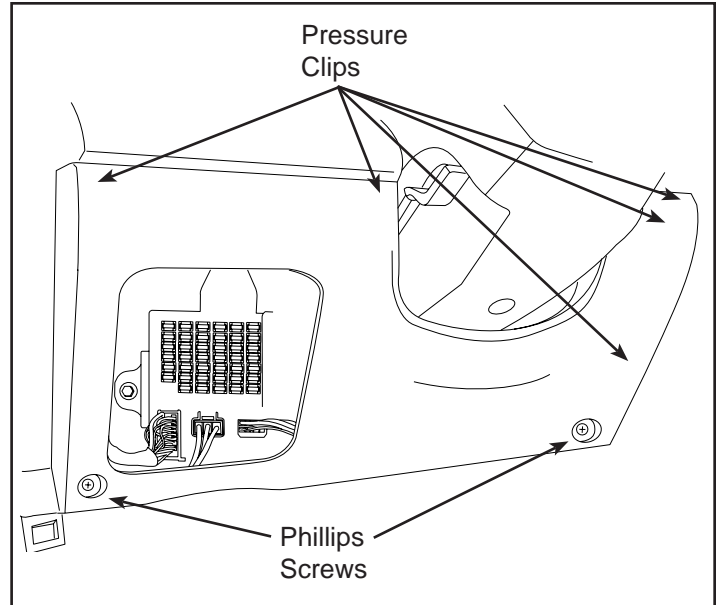


Phillips Screwdriver

**5**

**N  
O  
T  
E**

\*Remove the (2) phillips screws from the side of the lower dash finish panel.



Pressure  
Clips

Phillips  
Screws



Phillips Screwdriver, Trim Tool

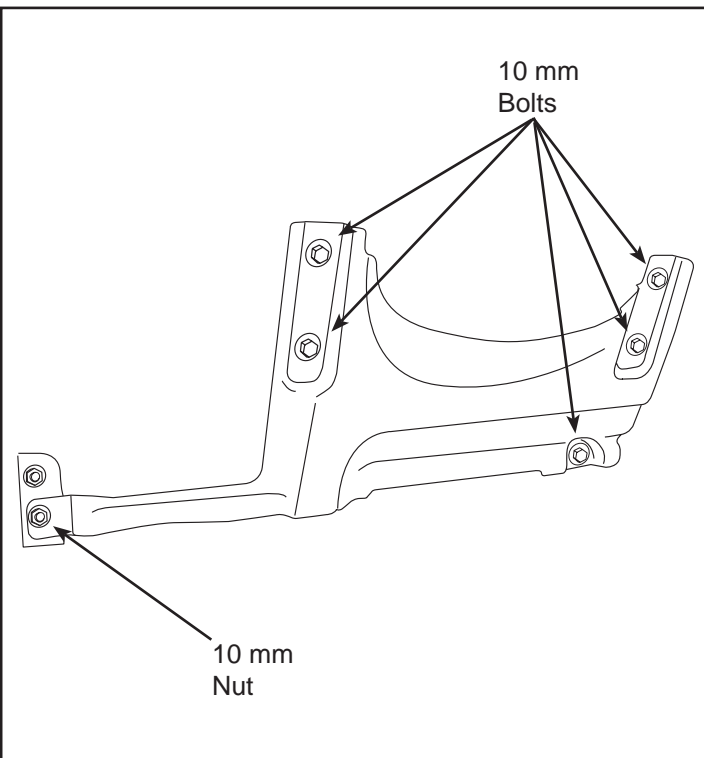
**6**

**N  
O  
T  
E**

\*Remove the lower dash finish panel by removing the (2) phillips screws from the bottom of the panel. Using a trim removal tool, carefully pry outward to release the (5) pressure clips.

\*Remove the OBDII connector from the panel.

\*Disconnect the remaining connectors, if equipped.



10 mm  
Bolts

10 mm  
Nut

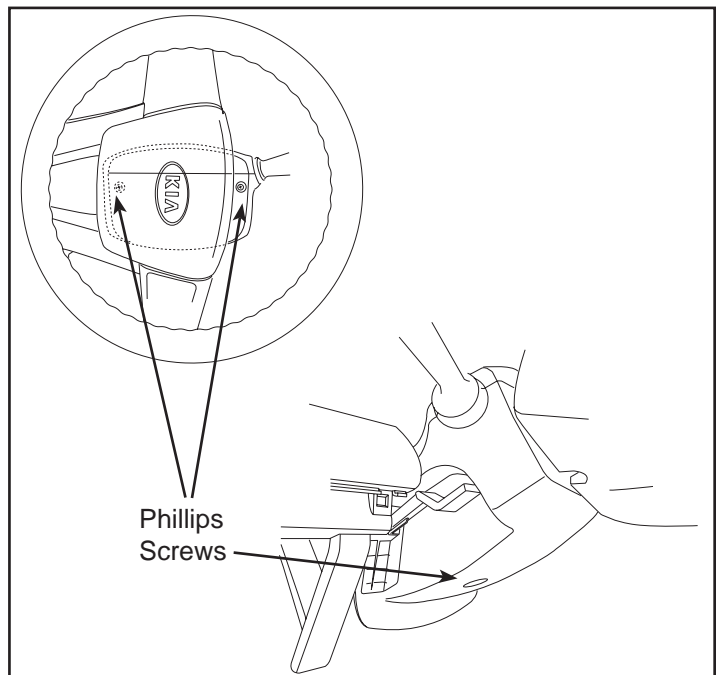


1/4" Drive Ratchet, 1/4" Drive 6" Extension,  
10 mm Socket

**7**

**N  
O  
T  
E**

\*Remove the (5) 10 mm bolts and the (1) 10 mm nut securing the steel knee bolster panel.  
\*Remove the steel knee bolster panel from the vehicle.



Phillips  
Screws



Phillips Screwdriver, Trim Tool

**8**

**N  
O  
T  
E**

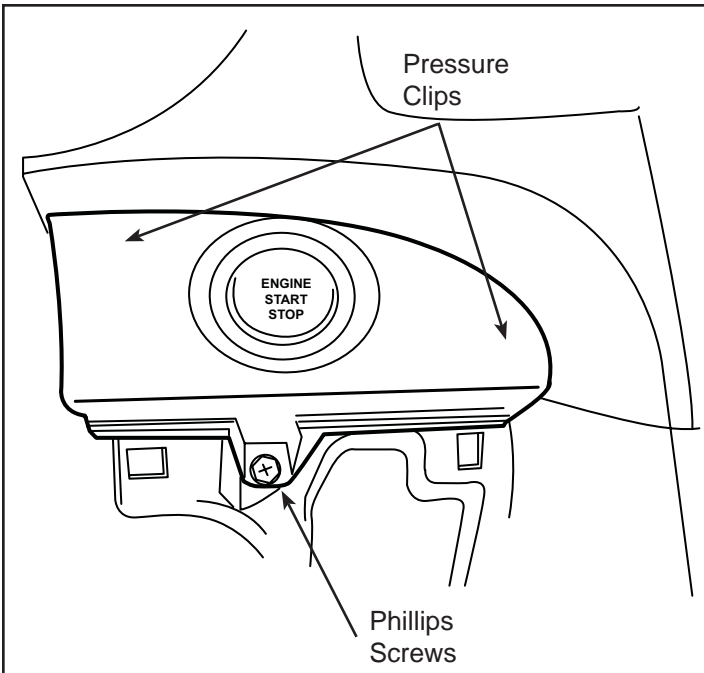
\*Remove the (3) phillips screws securing the steering column shroud (1 underneath and 2 behind the steering wheel). Turn the steering wheel for access.

\*Release the tilt steering wheel adjuster lever.

\*Pull down to separate (Use trim tool, if necessary) and remove the lower steering column shroud from the vehicle.

\*Disconnect any connectors, if equipped.

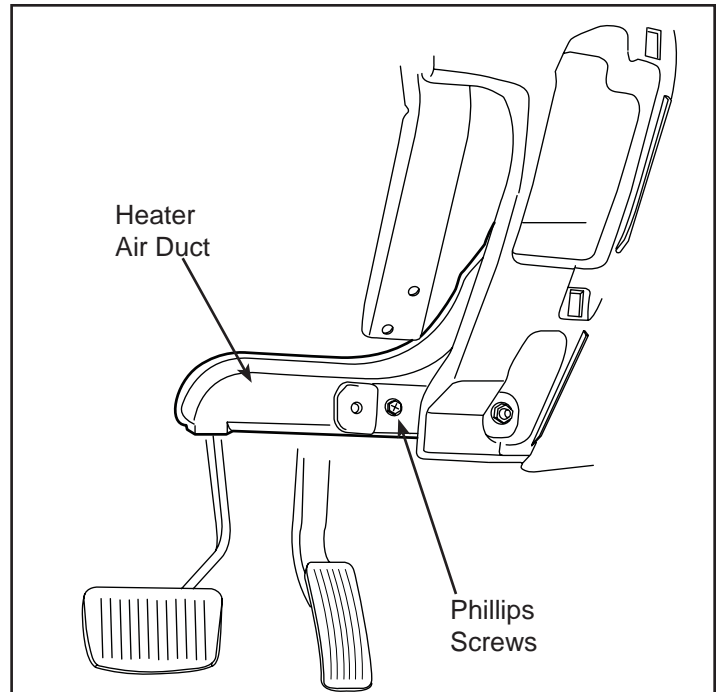
## KIA Genuine Accessories (Vehicle Disassembly)



Phillips Screwdriver, Trim Tool

**9**

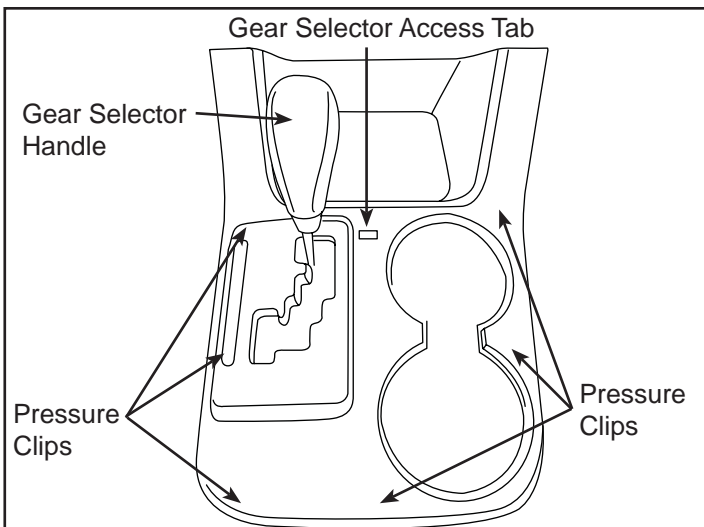
- NOTE**
- \*Remove the Engine Start/Stop Button switch from the dash assembly by removing (1) phillips screw.
  - \*Using a trim removal tool, carefully pry outward to release the (2) pressure clips.
  - \*Disconnect the connector attached to the Engine Start/Stop Button switch.



Phillips Screwdriver

**10**

- NOTE**
- \*Remove the (1) phillips screw securing the lower heater air duct to the dashboard assembly.
  - \*Remove the lower heater air duct from the vehicle.



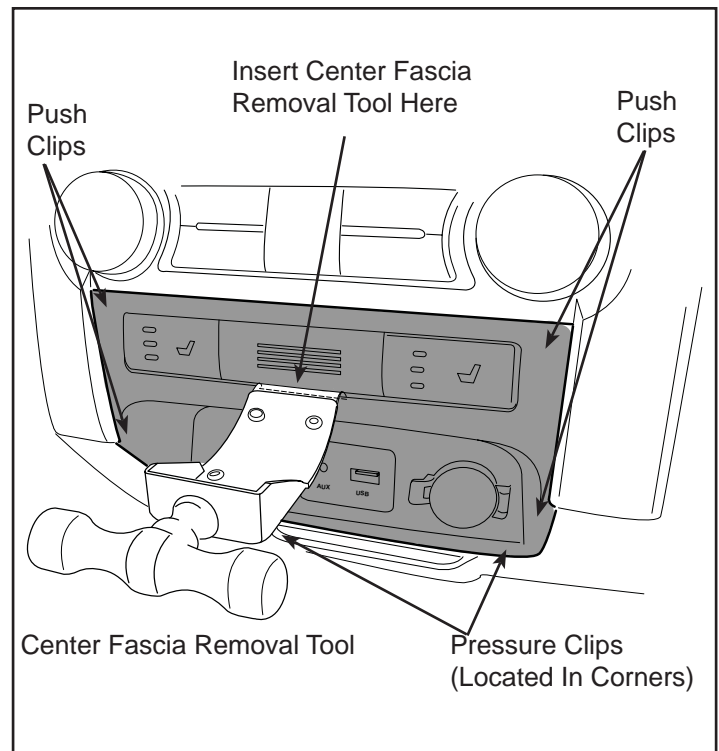
Flat Screwdriver, Trim Tool

**11**

- NOTE**
- \*Remove the gear selector access tab.
  - \*Push straight down with a flat screwdriver and shift the gear selector into the drive position.
  - \*Remove the gear selector handle by pulling it straight up toward the headliner.
  - \*Remove the center console/cup holder trim panel by pulling upward at the cup holder area to disengage the (6) pressure clips.
  - \*Disconnect the connector and remove the trim panel from the vehicle.



**CAUTION!** Ensure parking brake is set.

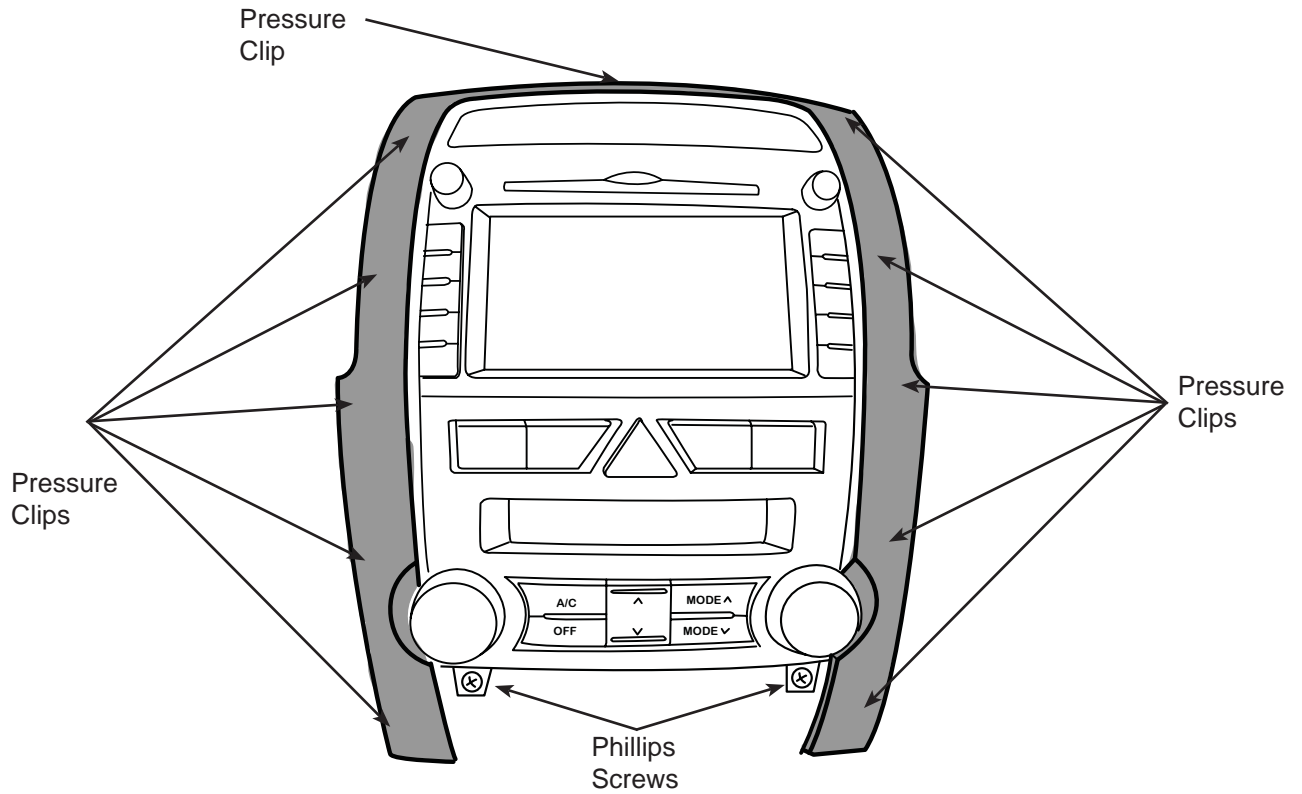


Center Fascia Removal Tool  
P/N: 09840-1E100

**12**

- NOTE**
- \*Disengage the (2) pressure clips and (4) push clips securing the heated seat switch panel to the dashboard assembly.
  - \*Disconnect the connectors from the heated seat switch panel and remove from the vehicle.

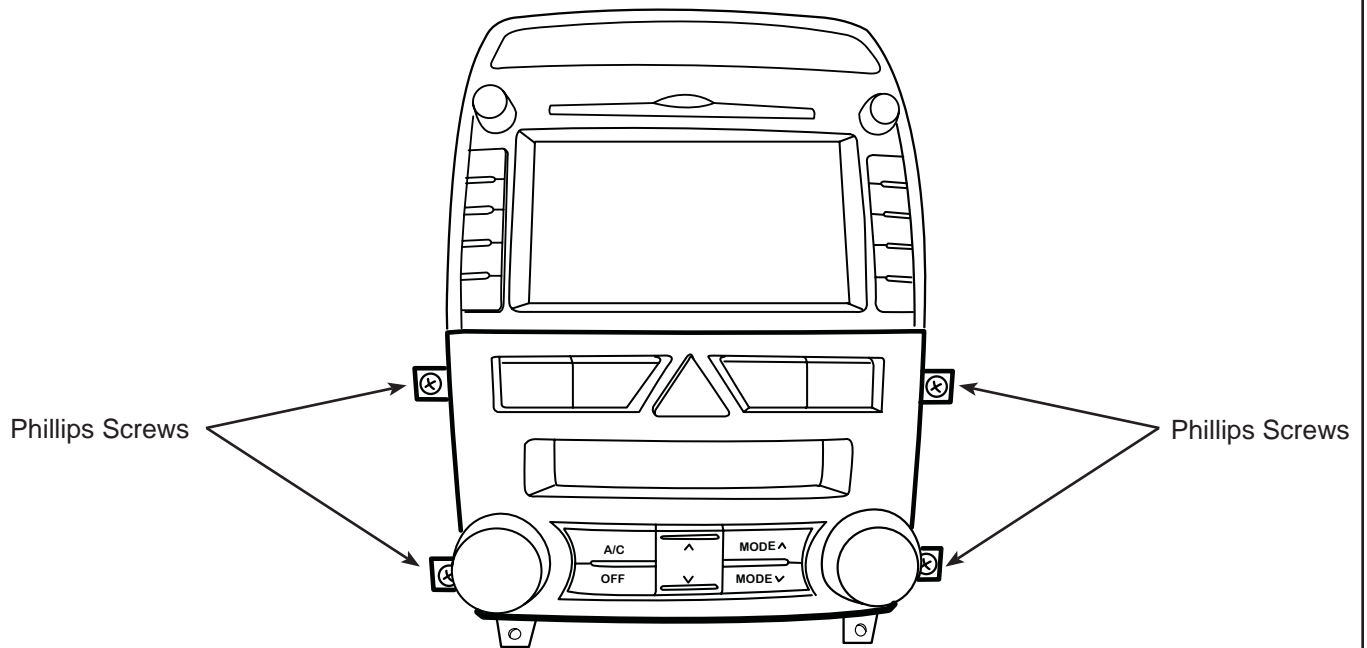
## KIA Genuine Accessories (Vehicle Disassembly)



Phillips Screwdriver, Trim Tool

13

- N** \*Remove the (2) phillips screws securing the center fascia trim panel.  
**O** \*Using a trim removal tool, carefully pry outward to release the (11) pressure clips.  
**T** \*Disconnect the passenger airbag connector and remove the trim panel from the vehicle.  
**E**

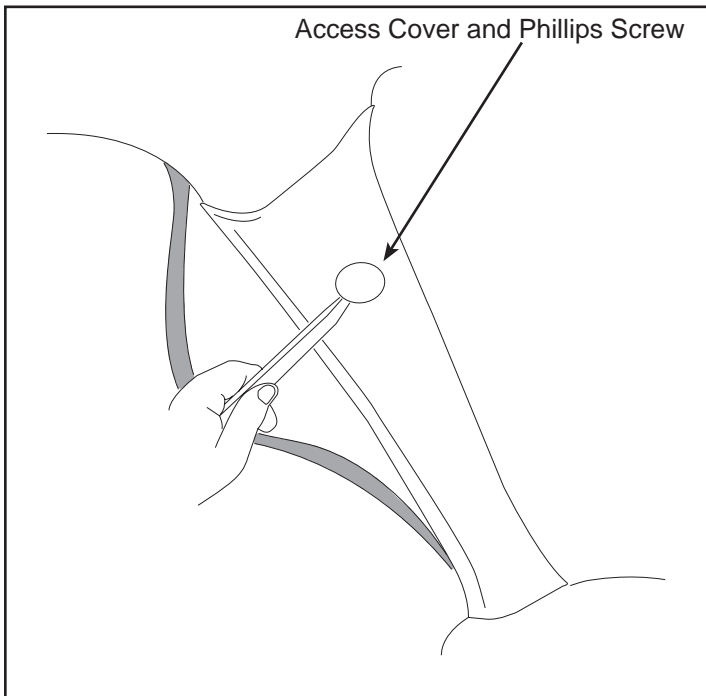


Phillips Screwdriver

14

- N** \*Remove the (4) phillips screws securing the heater control unit.  
**O** \*Disconnect the connectors and remove the heater control unit.  
**T** \*Return the Gear Selector lever to the Park position.  
**E**

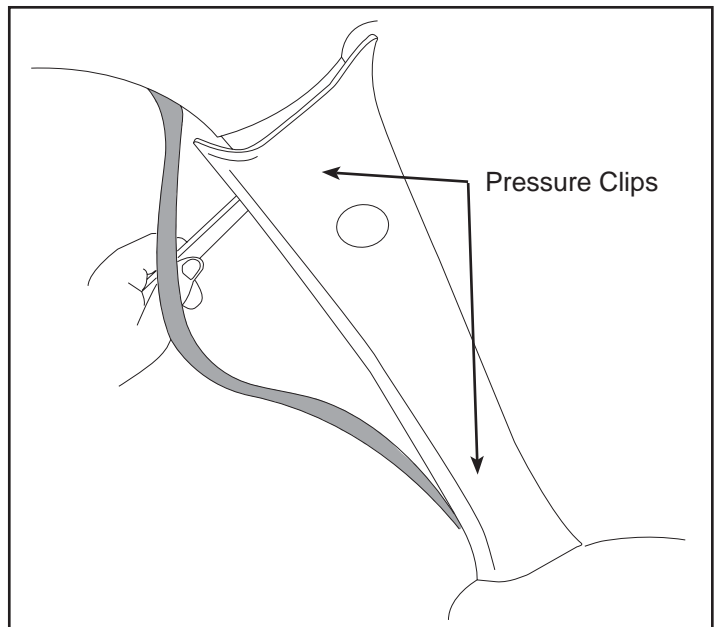
## KIA Genuine Accessories (Vehicle Disassembly)



Trim Tool, Phillips Screwdriver

15

- N**  
**O**  
**T**  
**E**
- \*Carefully pull the weatherstrip away from the driver's side "A" pillar.
  - \*Remove the access cover and the single phillips screw from the "A" pillar.



Trim Tool

16

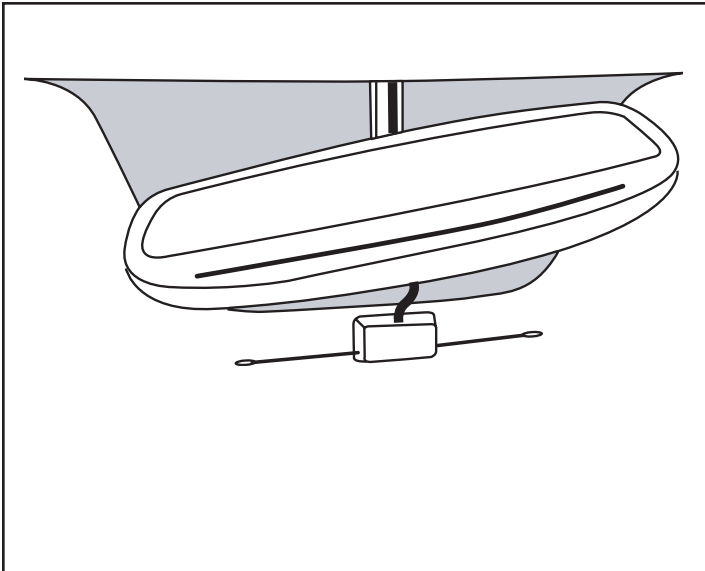
- N**  
**O**  
**T**  
**E**
- \*Starting at the top, use a trim tool and remove the driver's side "A" pillar trim panel by inserting the tool behind the panel and prying outward to release the (2) pressure clips.



**CAUTION! Do not lose the (2) pressure clips.**



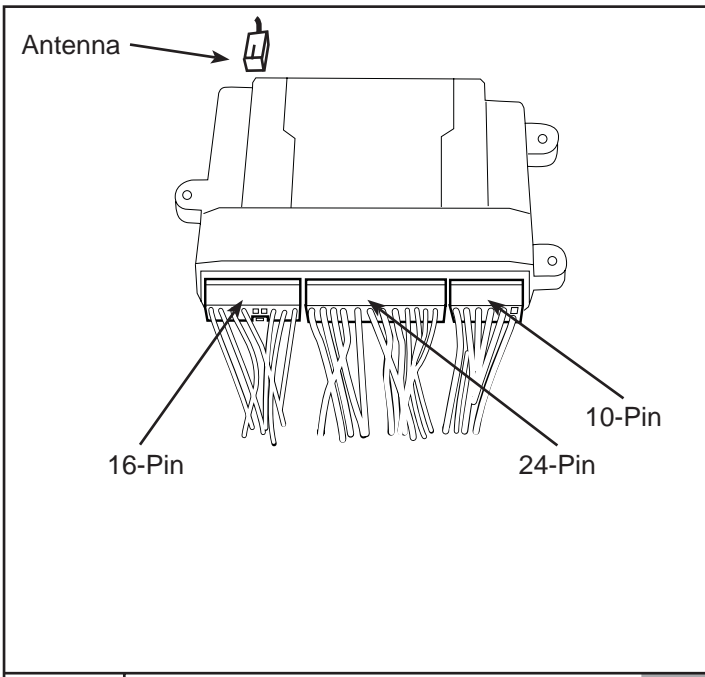
## KIA Genuine Accessories (Installation)



Alcohol / Cleaner **1**

**NOTE**

- \*Clean the area of the windshield where the antenna will be mounted with an alcohol-based glass cleaning solution. Ensure the glass surface is completely dry.
- \*Mount the the dipole antenna to the windshield approximately 0.5" below the mirrors lowest attachment point and/or any windshield electronic gridwork. Remove protective backing. Press firmly to ensure a good glass to adhesive bond.

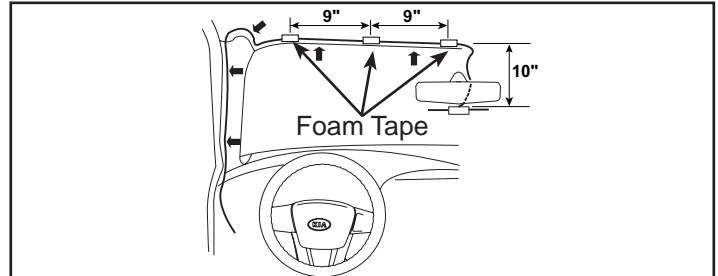


**3**

**NOTE**

- \*Route the antenna cable past the left side of the dashboard and over to the fuse panel area.
- \*Plug the wire harness and the antenna cable into the remote start module before mounting.
- \*Ensure all connectors are properly locked into position.

**CAUTION! Be careful not to bend/damage any of the terminals inside the remote start module.**



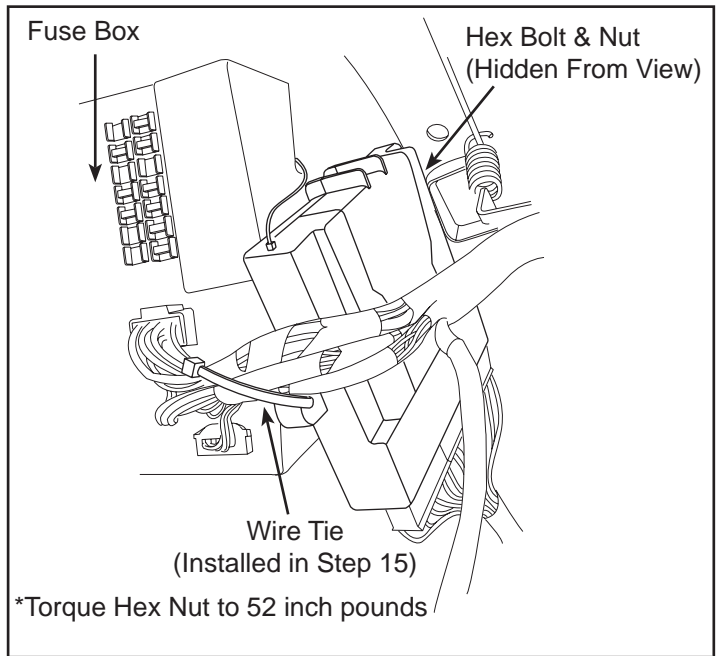
Trim Tool, Wire Cutter **2**

**NOTE**

- \*Wrap the antenna cable with (3) pieces of supplied black foam tape to ensure that the antenna will stay in place after routing, as shown above.
- \*Route the antenna cable vertically on the right hand side of the mirror mount up to the headliner. Tuck the cable behind the headliner and down the "A" pillar. Use (3) small wire ties to secure the antenna cable to the factory harness located within the "A" pillar. Trim off excess wire ties.

**WARNING! Air Bag system interference hazard. DO NOT secure antenna cable to the Air Bag components. Damage to the vehicle's Air Bag system may occur which could result in serious physical injury.**

**CAUTION! If the vehicle is equipped with a sunroof, be careful not to place the wire ties around the drain tube or the sunroof may not drain properly.**

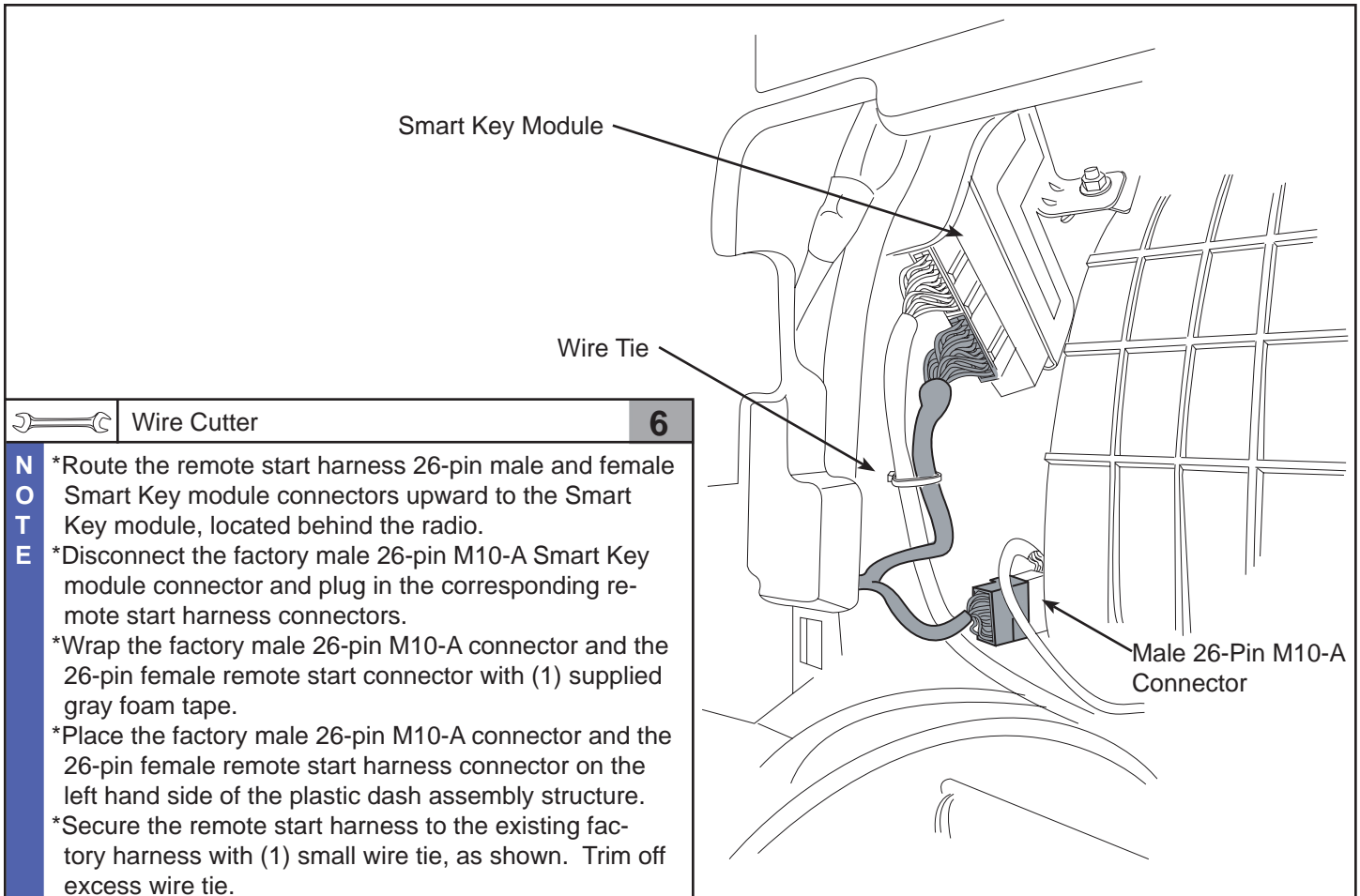
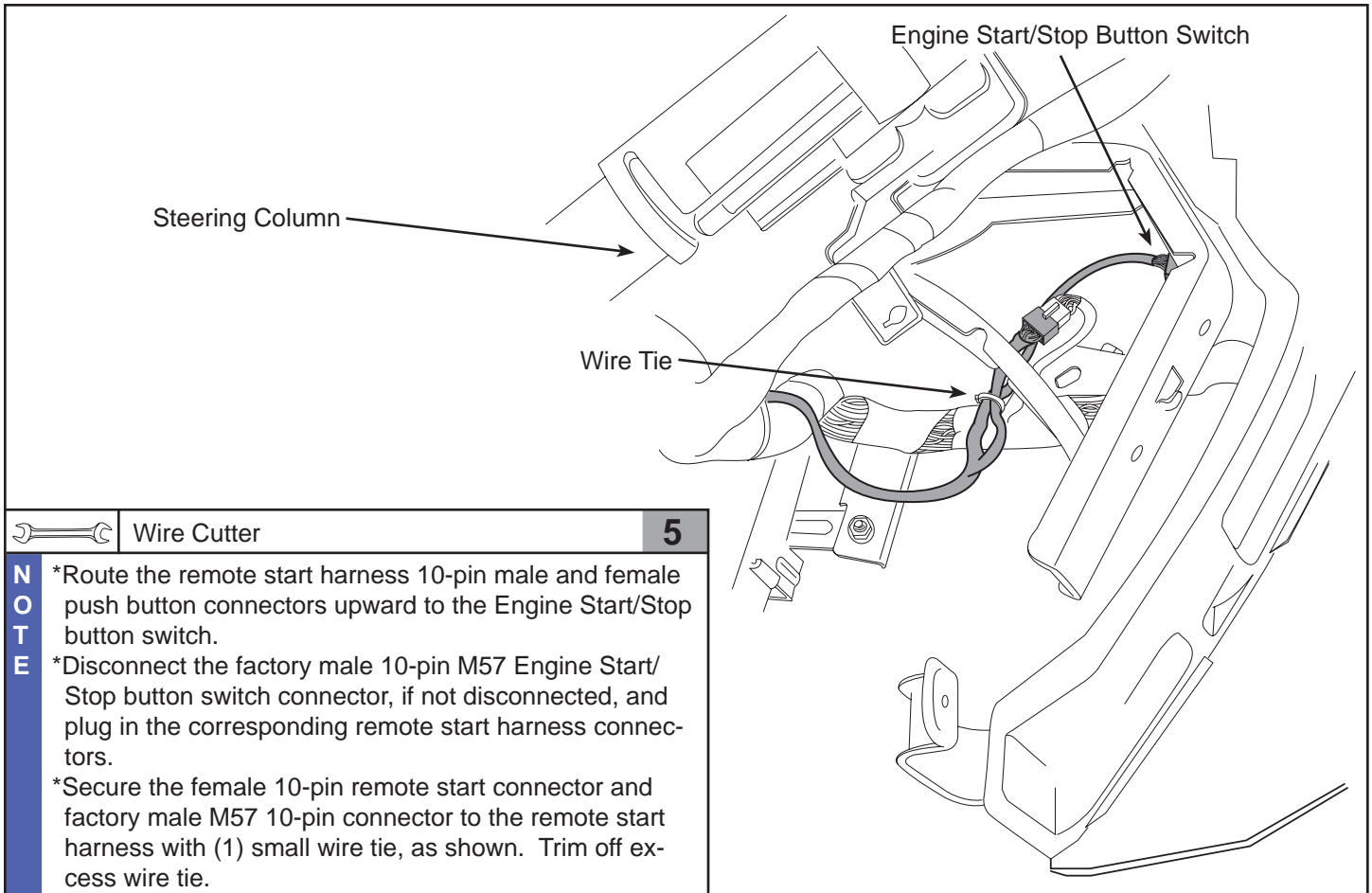


1/4" Drive Ratchet, 3/8" Socket, Torque Wrench, Wire Cutter **4**

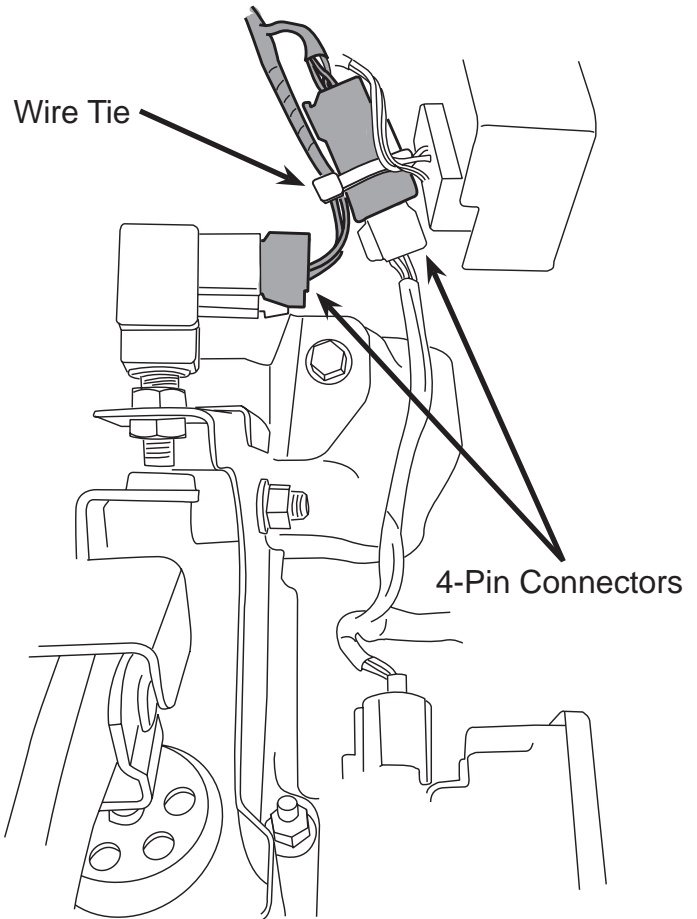
**NOTE**

- \*Secure the upper right side tab of the remote start module to the top hole in the factory brace supporting the fuse box with the supplied hex bolt and hex nut. Secure the left side of the remote start module to the factory harness with (1) large wire tie (Refer to Step 15).
- \*Torque the hex nut to 52 inch pounds and trim off excess wire tie.

## KIA Genuine Accessories (Installation)



## KIA Genuine Accessories (Installation)

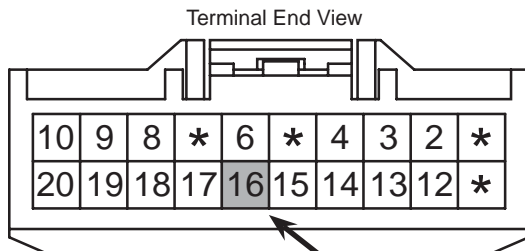


Wire Cutter

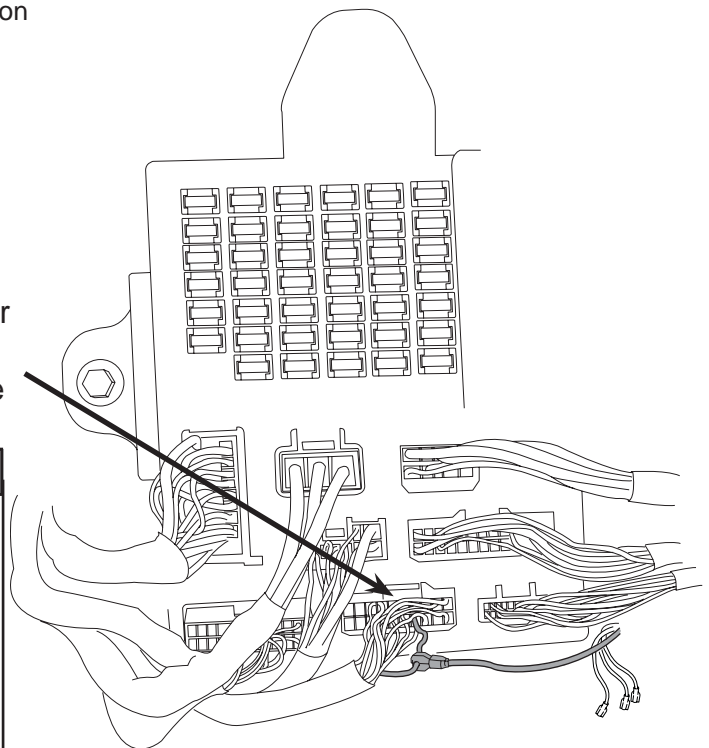
**7**

- N O T E**
- \*Route the remote start harness 4-pin male and female brake switch connectors to the brake switch at the top of the brake pedal.
  - \*Disconnect the factory male 4-pin CHG 39 connector and plug in the corresponding remote start harness connectors.
  - \*Secure the factory male connector and the remote start harness female connector to the remote start harness with (1) small wire tie, as shown. Trim off excess wire tie.

\*Unplug connector, if necessary, to identify proper pin location



I/P-F Connector  
Hood Ajar Wire  
Red/Black Wire  
Pin 16



Pliers

**8**

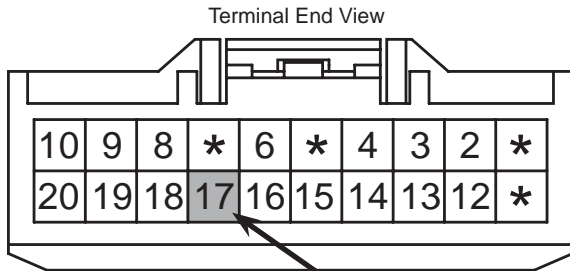
- N O T E**
- \*Route the Red/Black, Gray, Green/Orange and Black wires toward the fuse box.
  - \*Locate the Red/Black wire in **pin #16** of the 20-pin I/P-F male connector.
  - \*Using pliers, crimp a T-Tap on the Red/Black wire located in **pin #16** of the 20-pin I/P-F male connector.
  - \*Connect the Red/Black (Hood Ajar Input) wire from the remote start harness to the Red/Black wire (Pin #16 of the I/P-F connector) by engaging the T-Tap.



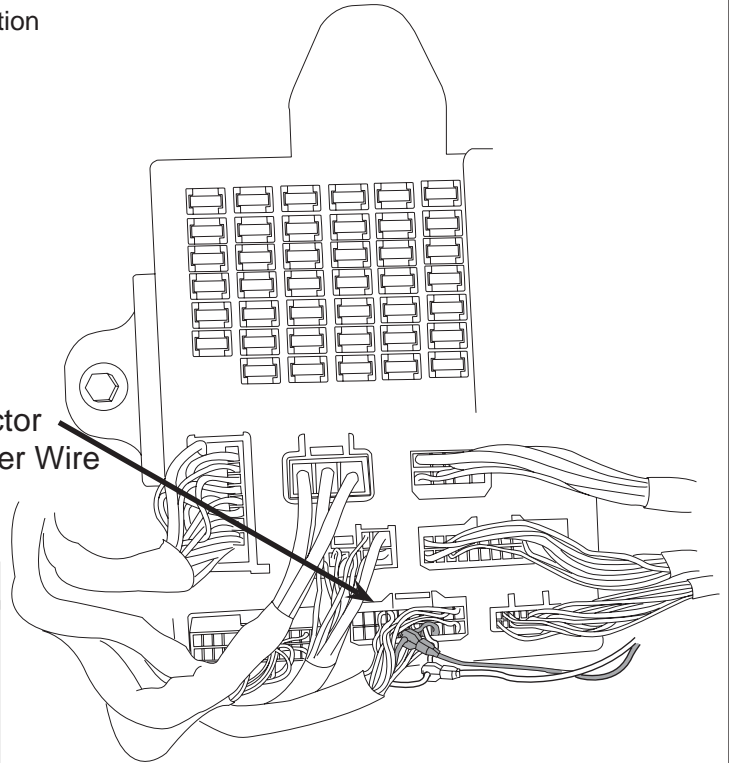
**CAUTION!** Ensure the correct pin location is identified. There may be several wires of the same/similar color.

## KIA Genuine Accessories (Installation)

\*Unplug connector, if necessary, to identify proper pin location



I/P-F Connector  
Rear Defroster Wire  
Gray Wire  
Pin 17



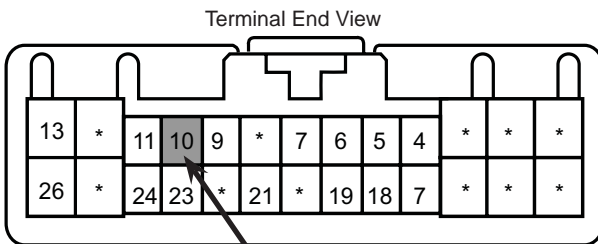
Pliers

**9**

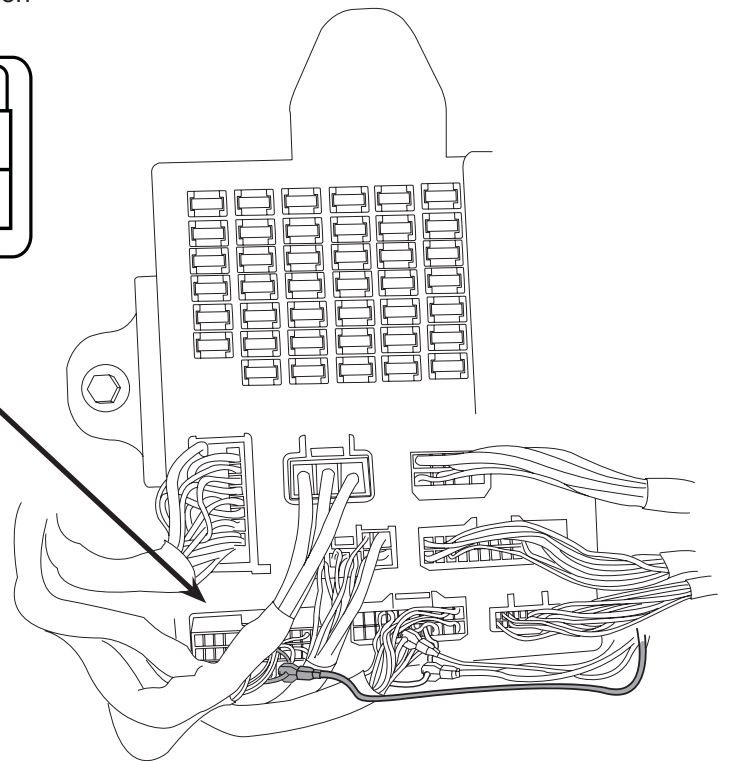
- N** \*Locate the Gray wire in **pin #17** of the 20-pin I/P-F male connector.
- O** \*Using pliers, crimp a T-Tap on the Gray wire located in **pin #17** of the 20-pin I/P-F male connector.
- T** \*Connect the Gray (Rear Defroster Output) wire from the remote start harness to the Gray wire (Pin #17 of the I/P-F connector) by engaging the T-Tap.

**CAUTION!** Ensure the correct pin location is identified. There may be several wires of the same/similar color.

\*Unplug connector, if necessary, to identify proper pin location



BCM-FK Connector  
Driver's Door Switch Wire  
Green/Orange Wire  
Pin 10



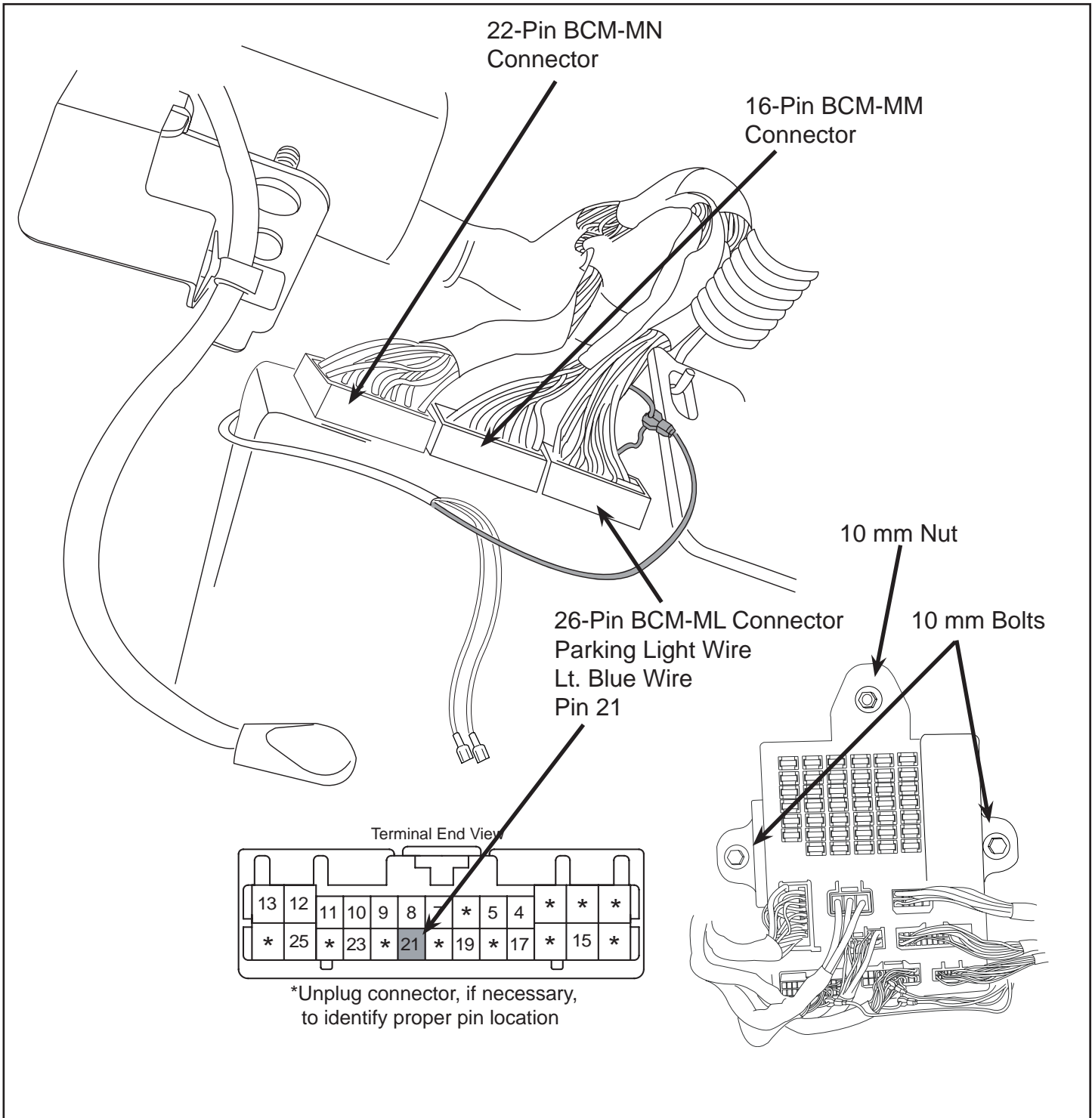
Pliers

**10**

- N** \*Locate the Green/Orange wire in **pin #10** of the 26-pin BCM-FK male connector.
- O** \*Using pliers, crimp a T-Tap on the Green/Orange wire located in **pin #10** of the 26-pin BCM-FK male connector.
- T** \*Connect the Green/Orange (Driver's Door Switch Output) wire from the remote start harness to the Green/Orange wire (Pin #10 of the BCM-FK connector) by engaging the T-Tap.

**CAUTION!** Ensure the correct pin location is identified. There may be several wires of the same/similar color.

## KIA Genuine Accessories (Installation)



1/4" Drive Ratchet, 1/4" Drive 6" Extension, 10 mm Socket, Pliers

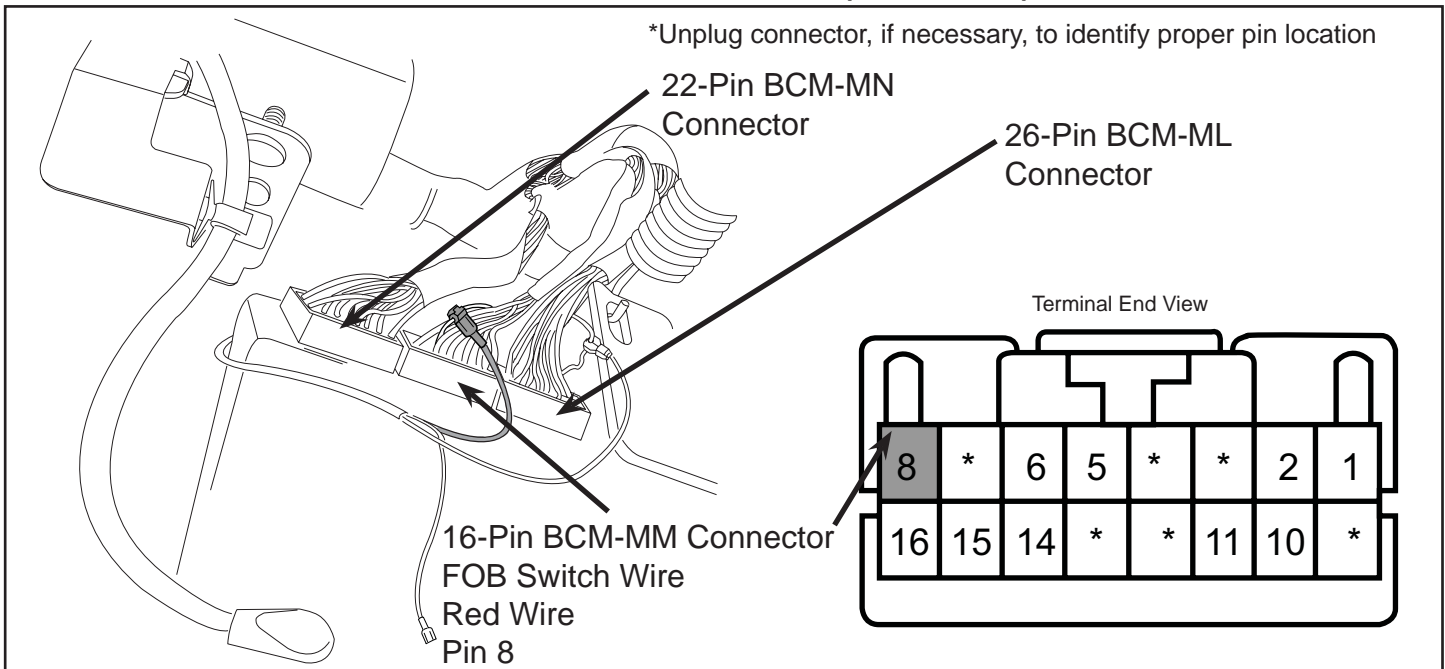
11

- NOTE**
- \*Route the portion of the remote start harness containing the Lt. Blue, Red and Gray/Black wires along the right side of the fuse box to the BCM (Located on the back side of the fuse box).
  - \***Installation Tip - Remove the (2) 10 mm bolts and the (1) 10 mm nut securing the fuse box and tilt forward for better access to the BCM connectors.**
  - \*Disengage the 26-pin BCM-ML connector from the backside of the BCM, if necessary.
  - \*Locate the Lt. Blue wire in **pin #21** of the 26-pin BCM-ML male connector.
  - \*Using pliers, crimp a T-Tap on the Lt. Blue wire located in **pin #21** of the 26-pin BCM-ML male connector.
  - \*Connect the Lt. Blue (Parking Light Output) wire from the remote start harness to the Lt. Blue wire (Pin #21 of the BCM-ML connector) by engaging the T-Tap.



**CAUTION!** Ensure the correct pin location is identified. There may be several wires of the same/similar color.

## KIA Genuine Accessories (Installation)

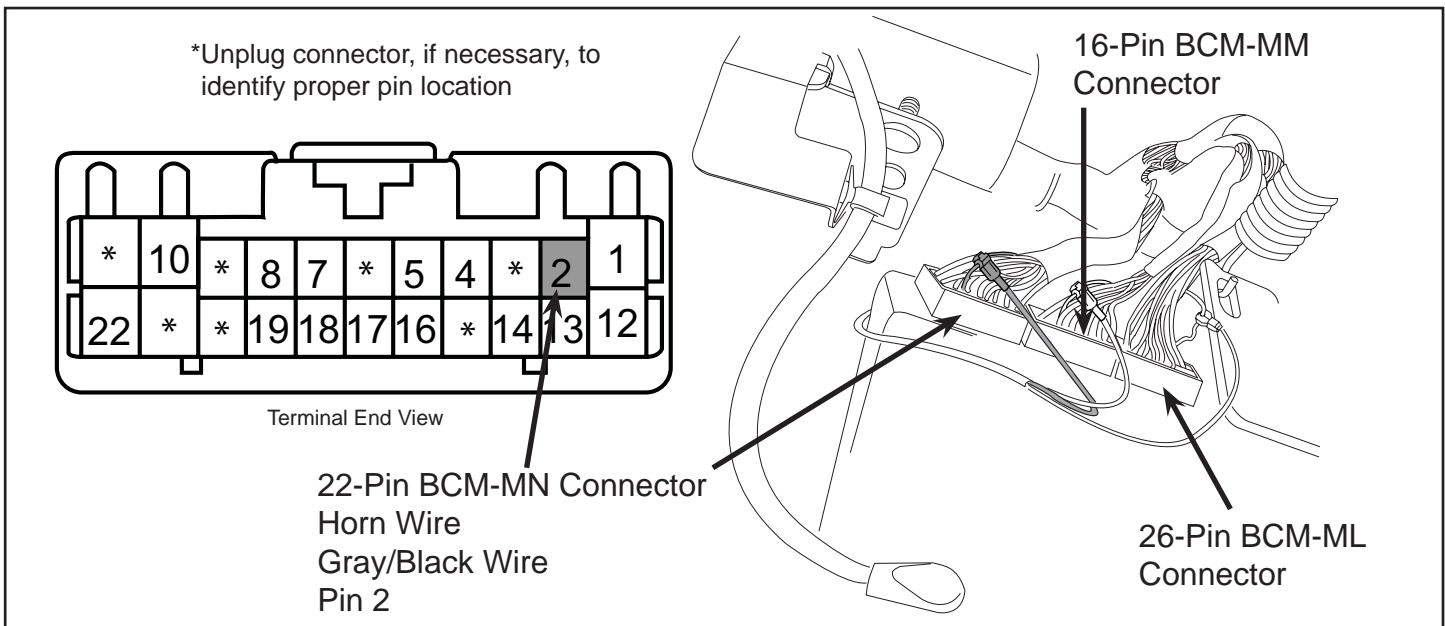


Pliers

12

- N** \*Disengage the 16-pin BCM-MM connector from the backside of the BCM, if necessary.
- O** \*Locate the Red wire in **pin #8** of the 16-pin BCM-MM male connector.
- T** \*Using pliers, crimp a T-Tap on the Red wire located in **pin #8** of the 16-pin BCM-MM male connector.
- E** \*Connect the Red (FOB Switch Output) wire from the remote start harness to the Red wire (Pin #8 of the BCM-MM connector) by engaging the T-Tap.

**CAUTION!** Ensure the correct pin location is identified. There may be several wires of the same/similar color.



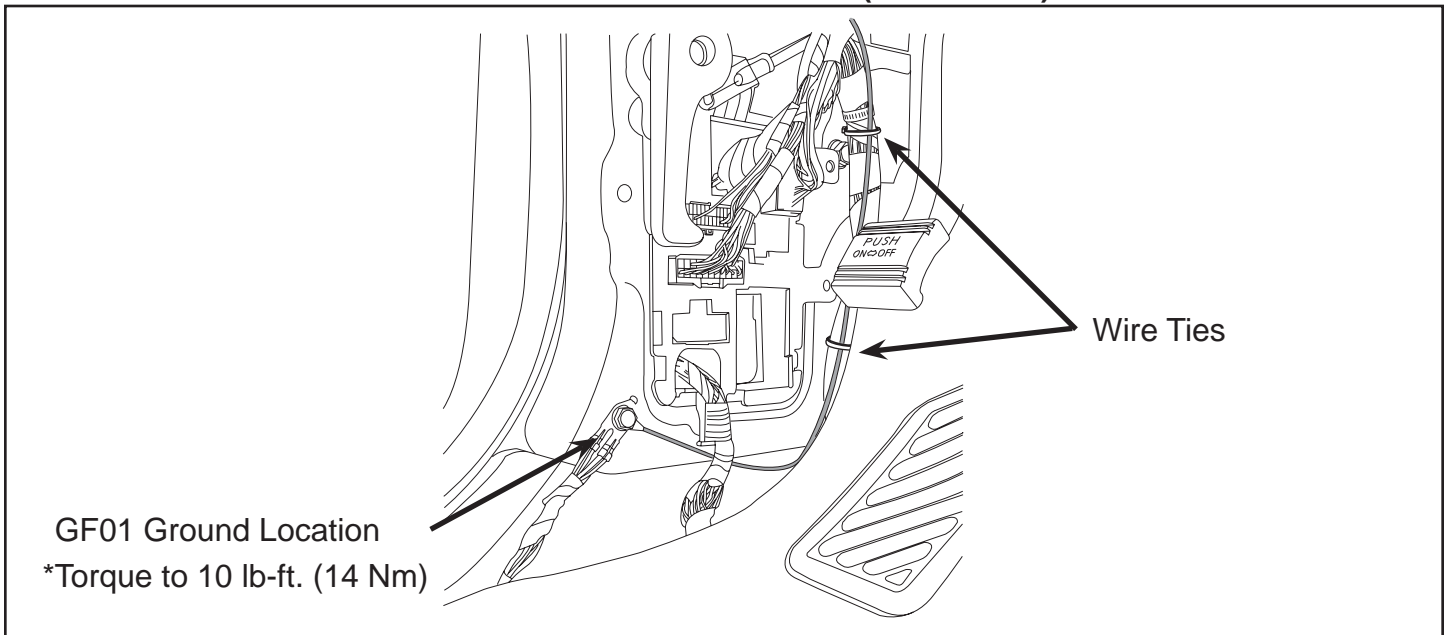
Pliers

13

- N** \*Disengage the 22-pin BCM-MN connector from the backside of the BCM, if necessary.
- O** \*Locate the Gray/Black wire in **pin #2** of the 22-pin BCM-MN male connector.
- T** \*Using pliers, crimp a T-Tap on the Gray/Black wire located in **pin #2** of the 22-pin BCM-MN male connector.
- E** \*Connect the Gray/Black (Horn Output) wire from the remote start harness to the Gray/Black wire (Pin #2 of the BCM-MN connector) by engaging the T-Tap.

**CAUTION!** Ensure the correct pin location is identified. There may be several wires of the same/similar color.

## KIA Genuine Accessories (Installation)

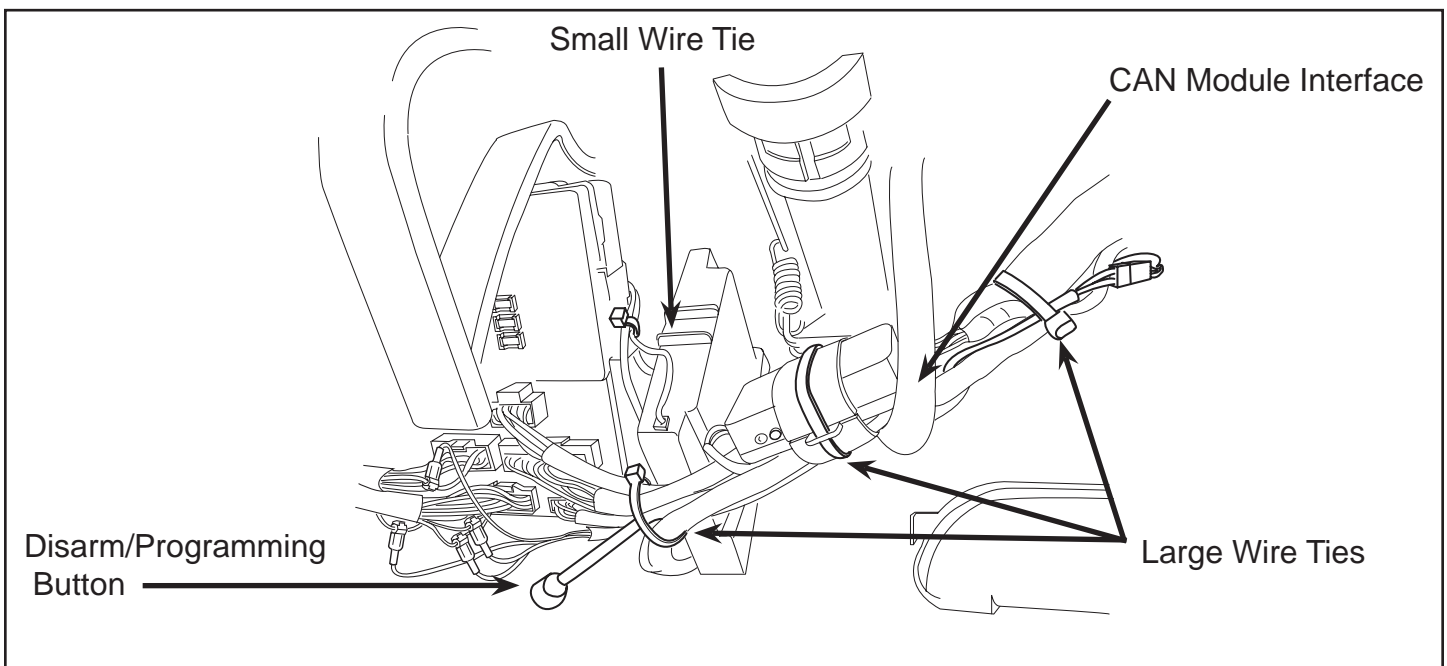


1/4" Drive Ratchet, Torque Wrench, 10 mm Socket, Wire Cutter

14

**N  
O  
T  
E**

- \*Locate the GF01 10 mm ground bolt in the left kick panel.
- \*Route the Black wire with ring terminal down along the factory wire harness to the factory GF01 ground location.
- \*Remove the 10 mm bolt. Position the Black wire with ring terminal over the bolt and reinstall with factory ground wires.
- \*Torque to 10 lb-ft. (14 Nm).
- \*Secure the Black wire with ring terminal to the existing factory harness with (2) small wire ties, as shown above. Trim off excess wire ties.



Wire Cutter

15

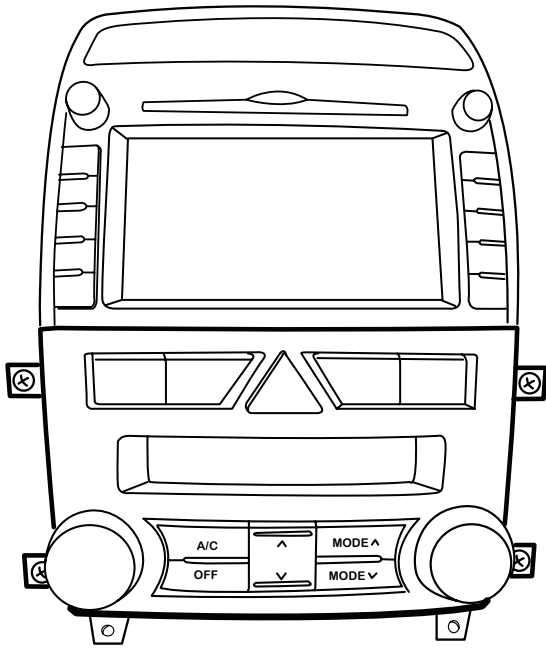
**N  
O  
T  
E**

- \*Connect the disarm / programming button to the corresponding remote start module connector (if disconnected).
- \*Secure the disarm / programming button, CAN interface module and the remote start module to the existing factory harness with (3) large wire ties. Trim off excess wire ties.
- \*Secure the remote start antenna cable to the remote start harness, containing the Lt. Blue, Red and Gray/Black wires with (1) small wire tie, as shown above. Trim off excess wire tie.



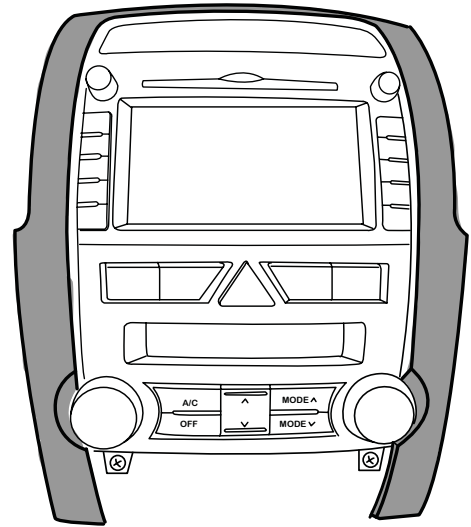
**WARNING! Engine Stall Hazard. To prevent stress on the remote start wire harness, ensure the tilt/telescopic steering column is fully extended, if equipped. Ensure all connections are fully engaged and locked in place. An engine stall could cause serious physical injury or vehicle damage.**

## KIA Genuine Accessories (Installation)



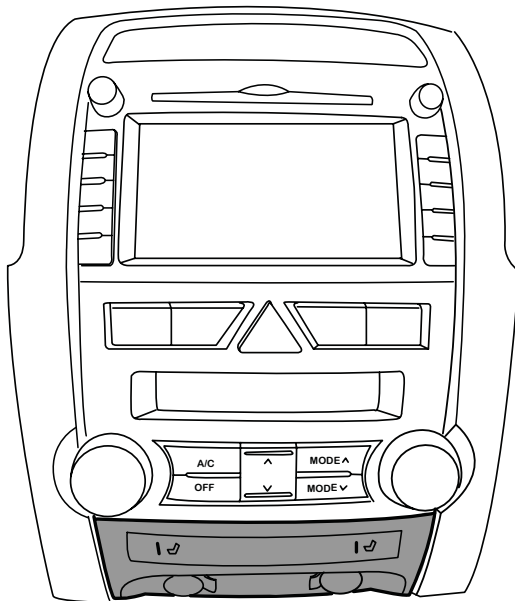
16

**NOTE** \*Temporarily reconnect any connectors that were disconnected from the heater control unit.



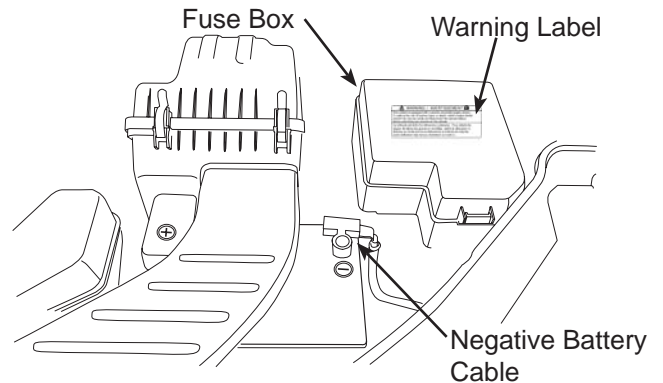
17

**NOTE** \*Temporarily reconnect the passenger airbag connector attached to the center fascia trim panel.



18

**NOTE** \*Temporarily reconnect any connectors that were disconnected from the heated seat switch panel.



1/4" Drive Ratchet, 10 mm Socket

19

**NOTE** \*Verify all connections are secure, per the installation instructions.  
\*Reconnect the negative battery cable.  
\*Start the vehicle using the Engine Start/Stop button on the dashboard (factory transmitter must be in the vehicle) and verify that no Diagnostic Trouble Codes have been triggered. Any DTCs should be reset before proceeding to the next step.










**WARNING! Shock Hazard. Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious physical injury or vehicle damage may occur.**








## KIA Genuine Accessories (Function Check)

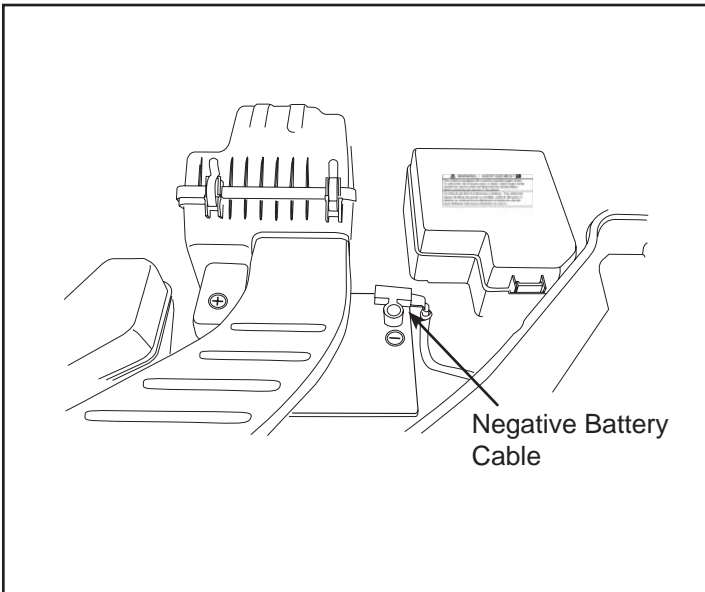
**Ensure the parking brake is set and (1) factory transmitter and (1) remote start transmitter are in hand before performing the Function Check.**


Items To Be Checked	Results Of The Check
 <p><u>Remote Engine Start</u> - Make sure the factory transmitter is removed from the fob holder in the center console and the engine hood, all doors and rear hatch are closed. Activate the remote start by pressing the start button 2 times within 3 seconds.</p>	<p>The doors will lock, the parking lights will flash and the horn will beep one time, then the vehicle will crank and start. Once started, the parking lights will turn on and stay on signifying the engine is running.</p> <p>*The vehicle may require up to 30 seconds to start successfully.</p>
 <p><u>Rear Defroster</u> - Press the remote start button on the transmitter one time while the vehicle is running.</p>	<p>The parking lights will flash one time. Locate the rear defroster switch and verify that the indicator portion of the switch is illuminated.</p>
 <p><u>Door Unlock</u> - Press the unlock button on the factory transmitter 1 time.</p> <p><u>Door Lock</u> - Press the lock button on the factory transmitter 1 time.</p> <p><u>Door Unlock</u> - Press the unlock button on the factory transmitter 2 times within 3 seconds.</p>	<p>The parking lights will flash two times to indicate that the vehicle is disarmed and unlock the driver's door only.</p> <p>The parking lights will flash one time to indicate that the vehicle is locked.</p> <p>The parking lights will flash two times to indicate that the vehicle is disarmed and unlock all doors.</p>
 <p><u>Hood Safety Switch</u> - Open the driver's door and pull the hood release lever to release the hood.</p>	<p>The engine/remote start will turn off immediately.</p> <p>The hood should not have to be lifted to activate the hood safety switch.</p>
 <p><u>Hatch Safety Switch</u> - Close the engine hood and all doors. Activate the remote start by pressing the start button 2 times within 3 seconds and proceed to the rear of the vehicle with a factory transmitter.</p> <p>Open the rear hatch using the <b>hatch release button</b> located above the license plate area.</p>	<p>The doors will lock, the parking lights will flash and the horn will beep one time, then the vehicle will crank and start. Once started, the parking lights will come on and stay on signifying the engine is running.</p> <p>The engine/remote start will turn off immediately.</p>
 <p><u>Car Find Feature</u> - Close the rear hatch and press the <b>red</b> find/panic button on the remote start transmitter. Repeat this process twice.</p>	<p>The parking lights will flash and the horn will beep 5 times. Subsequent presses within 5 seconds of the first press will beep the horn slightly louder.</p>
 <p><u>Panic Feature</u> - Press and hold the <b>red</b> find/panic button on the remote start transmitter for 3 seconds to activate. Press the <b>red</b> find/panic button a second time to deactivate.</p>	<p>The parking lights will flash and the horn will beep randomly for up to 30 seconds.</p>

## KIA Genuine Accessories (Function Check)


Items To Be Checked	Results Of The Check
 <p><u>Pre-start shut down (Hood)</u> - Press the unlock button on the factory transmitter. Open the driver's door, pull the hood release lever to release the hood and close the driver's door.</p> <p>Attempt to activate the remote engine start.</p>	<p>The parking lights will flash two times to indicate that the vehicle is disarmed and unlock the driver's door only.</p> <p>The horn will beep <b>2 times</b> and the remote start will not attempt to start the vehicle since it detects the hood is open.</p>
 <p><u>Pre-start shut down (Hatch)</u> - Close the engine hood and proceed to the rear of the vehicle with a factory transmitter.</p> <p>Open the rear hatch using the <b>hatch release button</b> located above the license plate area and attempt to activate the remote engine start.</p>	<p>The horn will beep <b>5 times</b> and the remote start will not attempt to start the vehicle since it detects the hatch is open.</p>
 <p><u>Pre-start shut down (Door)</u> - Close the hatch and press the unlock button on the factory transmitter.</p> <p>Open the driver's door and attempt to activate the remote engine start.</p>	<p>The parking lights will flash two times to indicate that the vehicle is disarmed and unlock the driver's door only.</p> <p>The horn will beep <b>6 times</b> and the remote start will not attempt to start the vehicle since it detects a door is open.</p>
 <p><u>Pre-start shut down (Engine Start/Stop Button)</u> - Enter the vehicle and close the driver's door. Press and hold the Engine Start/Stop Button and attempt to activate the remote engine start.</p>	<p>The horn will beep <b>7 times</b> and the remote start will not attempt to start the vehicle since it detects the Engine Start/StopButton is pressed.</p>
 <p><u>Remote Engine Start / Take Over</u> - Exit the vehicle and ensure the engine hood, all doors and rear hatch are closed. Activate the remote start by pressing the start button 2 times within 3 seconds.</p> <p>Press the unlock button on the factory transmitter.</p> <p>Open the driver's door and enter the vehicle with a factory transmitter.</p> <p>Wait for the "Key Out" light to turn OFF on the instrument cluster.</p> <p>Press and <b>HOLD</b> the brake pedal and move the gear select lever into the drive position.</p> <p>Move the gear select lever back to the park position and press the start button on the dashboard to turn off the engine.</p>	<p>The doors will lock, the parking lights will flash and the horn will beep one time, then the vehicle will crank and start. Once started, the parking lights will come on and stay on signifying the engine is running.</p> <p>The parking lights will flash two times to indicate that the vehicle is disarmed and unlock the driver's door only.</p> <p>The "Key Out" light on the instrument cluster will flash.</p> <p>The "Key Out" light on the instrument cluster turns OFF.</p> <p>The parking lights will turn off and the vehicle will remain running.</p> <p>The engine will turn off immediately.</p>

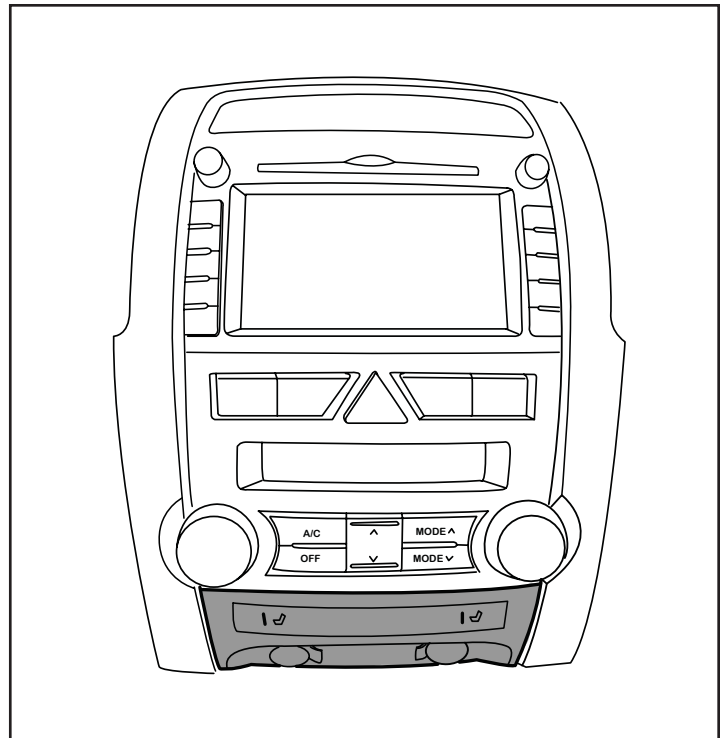
## KIA Genuine Accessories (Vehicle Reassembly)



 1/4" Drive Ratchet, 10 mm Socket **1**

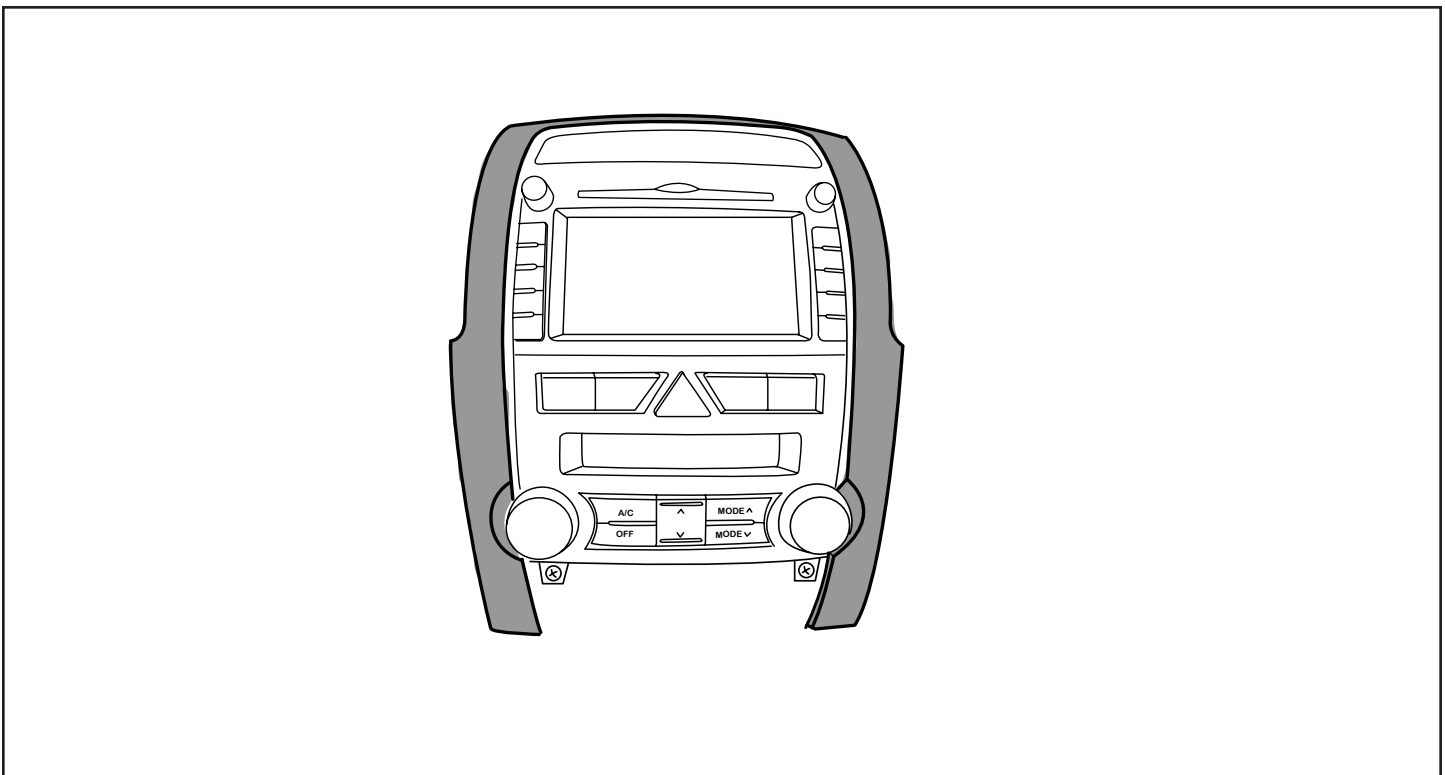
**N**  
**O**  
**T**  
**E** \*Remove and isolate the negative battery cable from the battery.

 **WARNING! Shock Hazard. Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious physical injury or vehicle damage may occur.**



 **2**

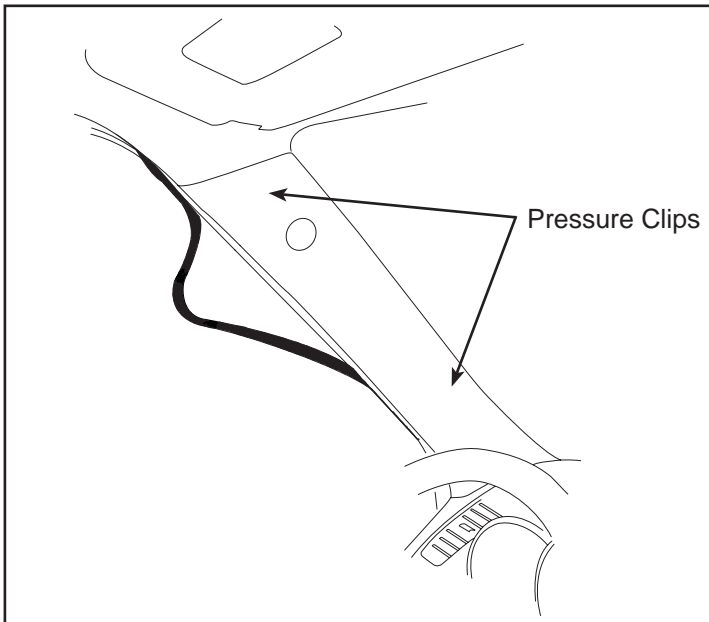
**N**  
**O**  
**T**  
**E** \*Disconnect the connectors from the heated seat switch panel and remove from the vehicle



 **3**

**N**  
**O**  
**T**  
**E** \*Disconnect the passenger airbag connector and remove the center fascia trim panel.

## KIA Genuine Accessories (Vehicle Reassembly)



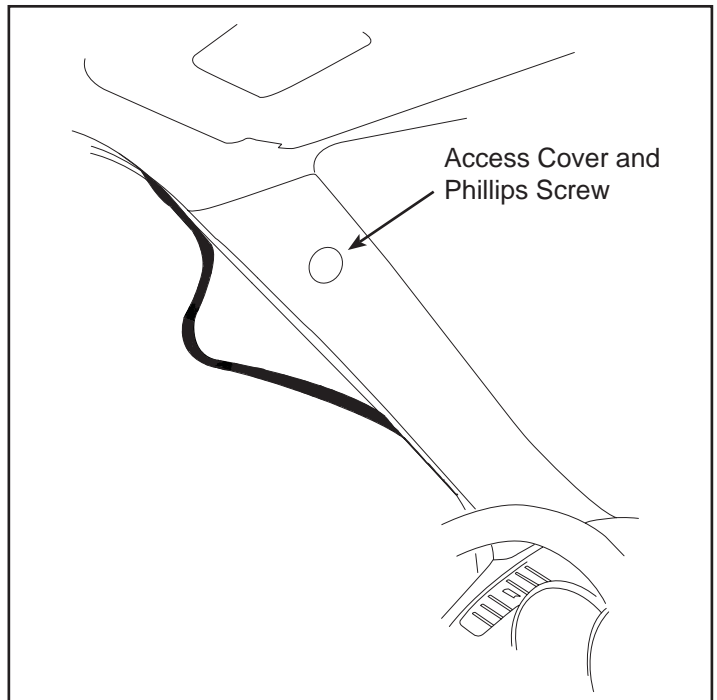
**4**

**NOTE**

\*Reinstall the driver's side "A" pillar trim by engaging the (2) pressure clips.



**CAUTION!** Do not lose the (2) pressure clips.



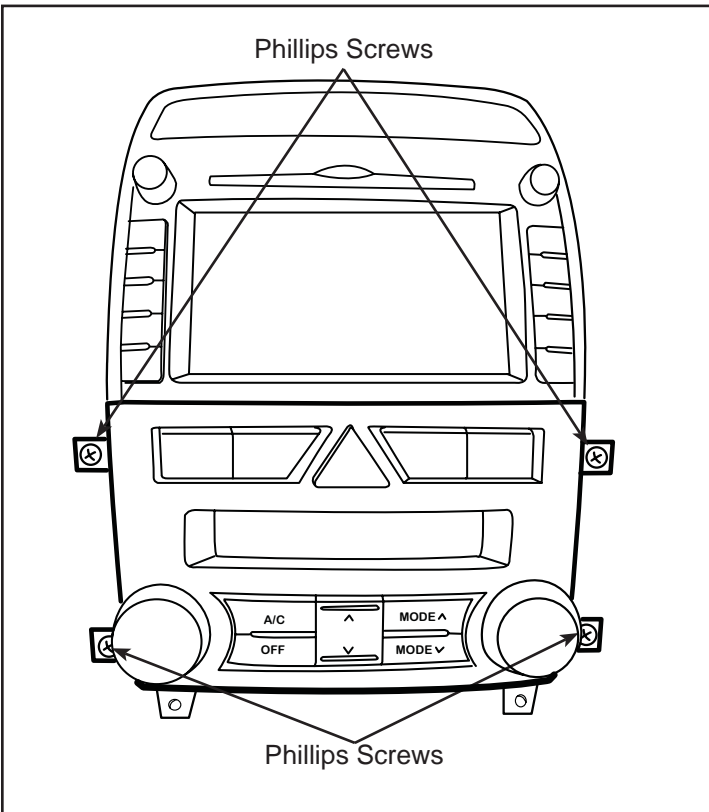
Phillips Screwdriver

**5**

**NOTE**

\*Reinstall the single phillips screw and the access cover.

\*Reinstall the weatherstrip near the driver's side "A" pillar.



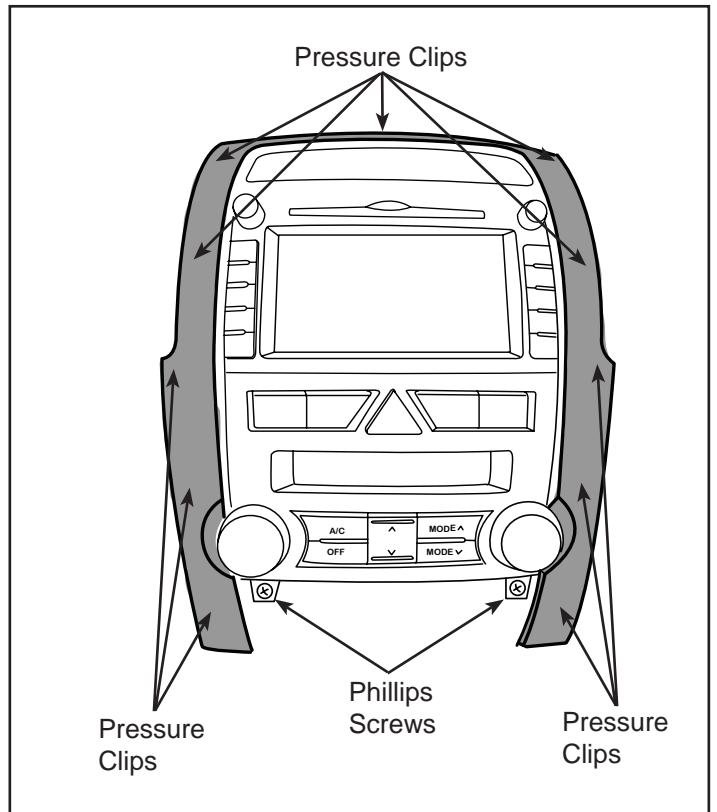
Phillips Screwdriver

**6**

**NOTE**

\*Reconnect any connectors that were disconnected from the heater control unit.

\*Reinstall the (4) phillips screws securing the heater control unit.



Phillips Screwdriver

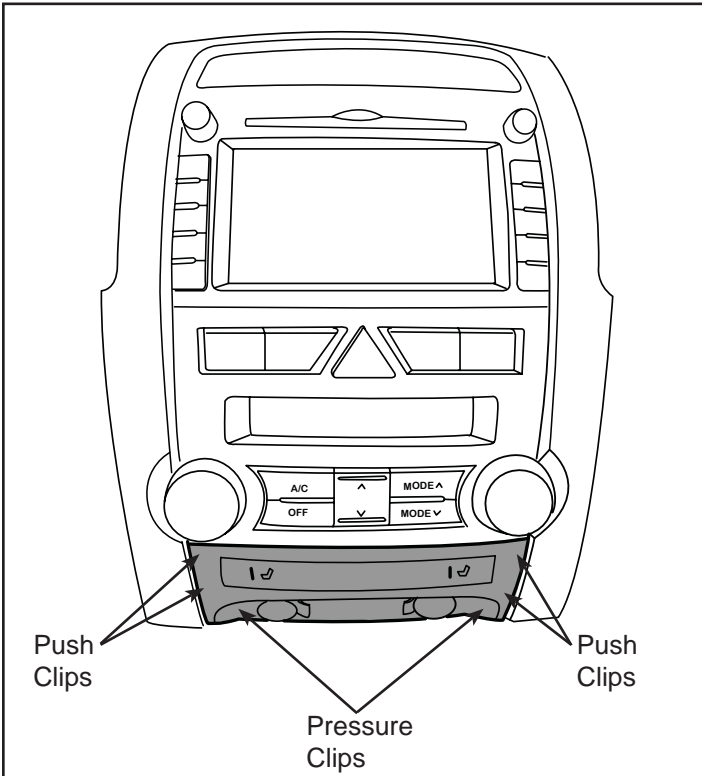
**7**

**NOTE**

\*Reconnect the passenger airbag connector.

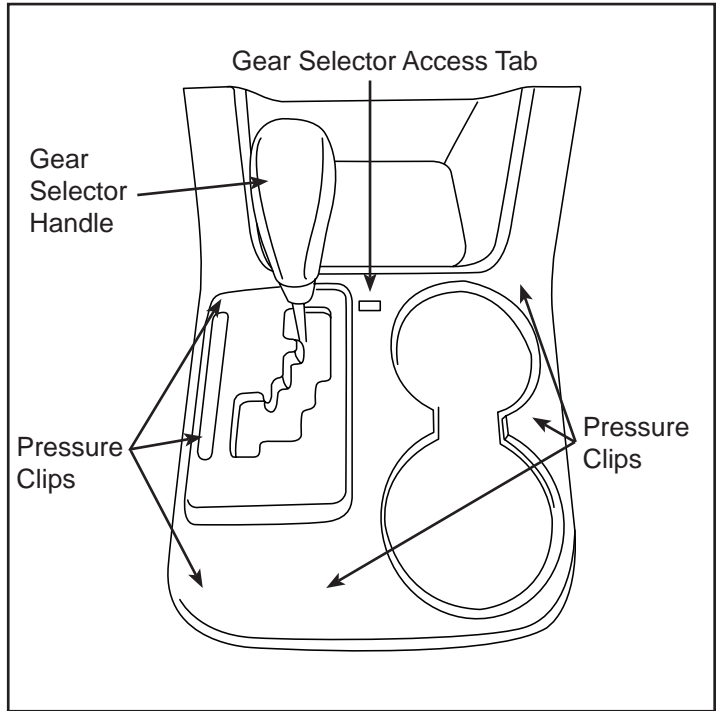
\*Reinstall the center fascia trim panel by engaging the (11) pressure clips and reinstalling the (2) phillips screws.

## KIA Genuine Accessories (Vehicle Reassembly)



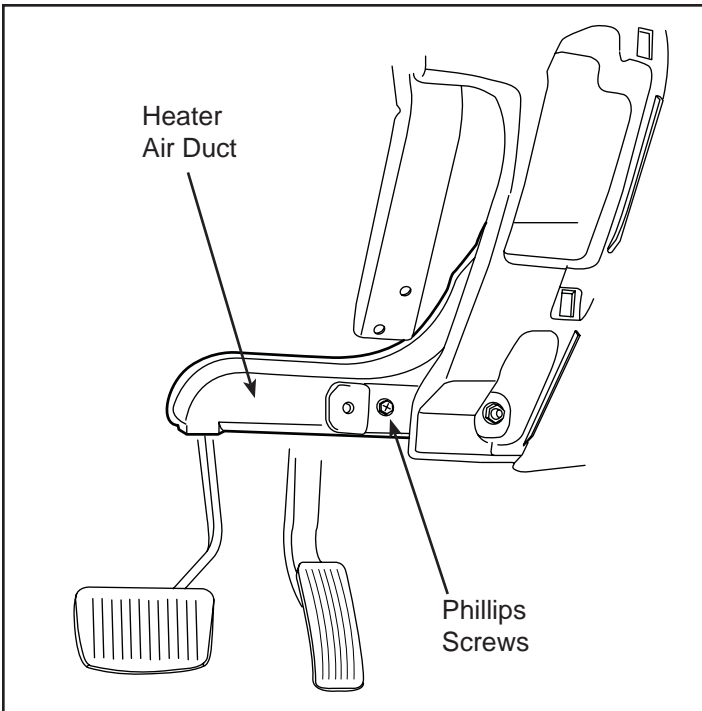
**8**

- NOTE**
- \*Reconnect any connectors that were disconnected from the heated seat switch panel.
  - \*Reinstall the heated seat switch panel by engaging the (2) pressure clips and (4) push clips.



**9**

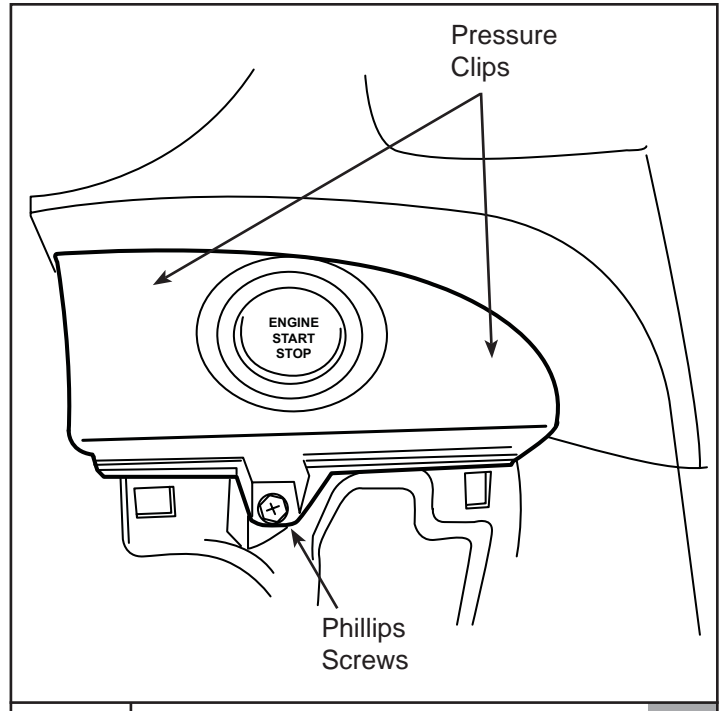
- NOTE**
- \*Reconnect the connector that was disconnected from the center console cup holder trim panel.
  - \*Reinstall the center console cup holder trim panel by engaging the (6) pressure clips.
  - \*Reinstall the gear selector handle.
  - \*Shift the vehicle into park, if in gear for reassembly.
  - \*Reinstall the gear selector access tab.



Phillips Screwdriver

**10**

- NOTE**
- \*Reinstall the lower heater air duct.
  - \*Secure the lower heater air duct to the dash assembly with (1) phillips screw.

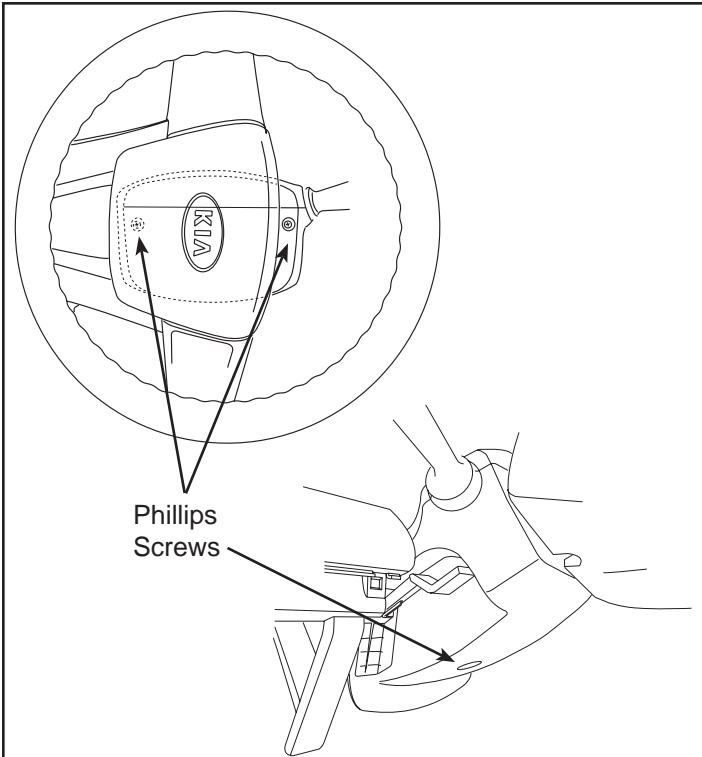


Phillips Screwdriver

**11**

- NOTE**
- \*Secure the Engine Start/Stop Button switch to the dash assembly by engaging the (2) pressure clips and (1) phillips screw.

## KIA Genuine Accessories (Vehicle Reassembly)



Phillips  
Screws

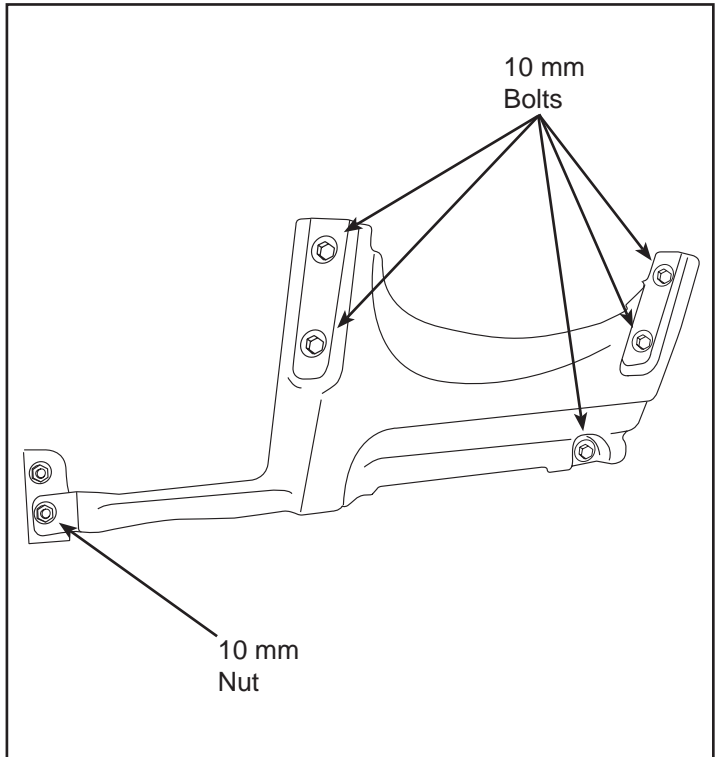


Phillips Screwdriver

12

**NOTE**

- \*Reconnect any connectors, if equipped.
- \*Reinstall the (3) phillips screws securing the steering column shroud (1 underneath and 2 behind the steering wheel). Turn the steering wheel for access.



10 mm  
Bolts

10 mm  
Nut

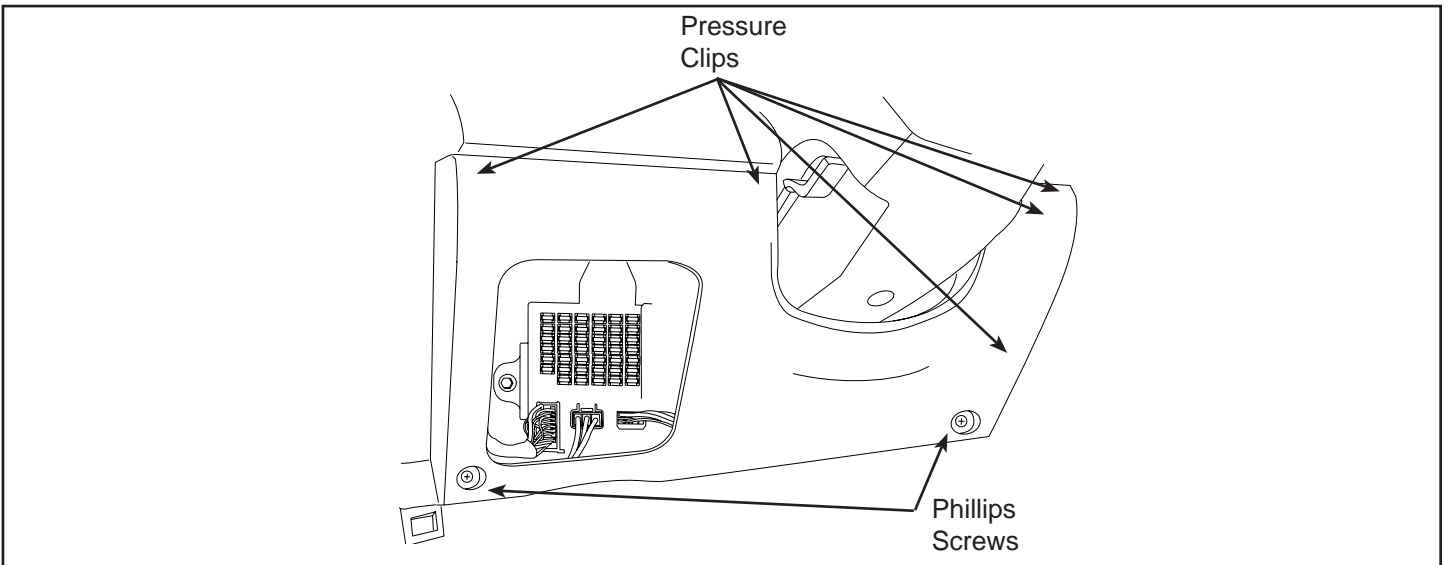


1/4" Drive Ratchet, 1/4" Drive 6" Extension,  
10 mm Socket

13

**NOTE**

- \*Reinstall the (5) 10 mm bolts and (1) 10 mm nut securing the steel knee bolster.



Pressure  
Clips

Phillips  
Screws



Phillips Screwdriver

14

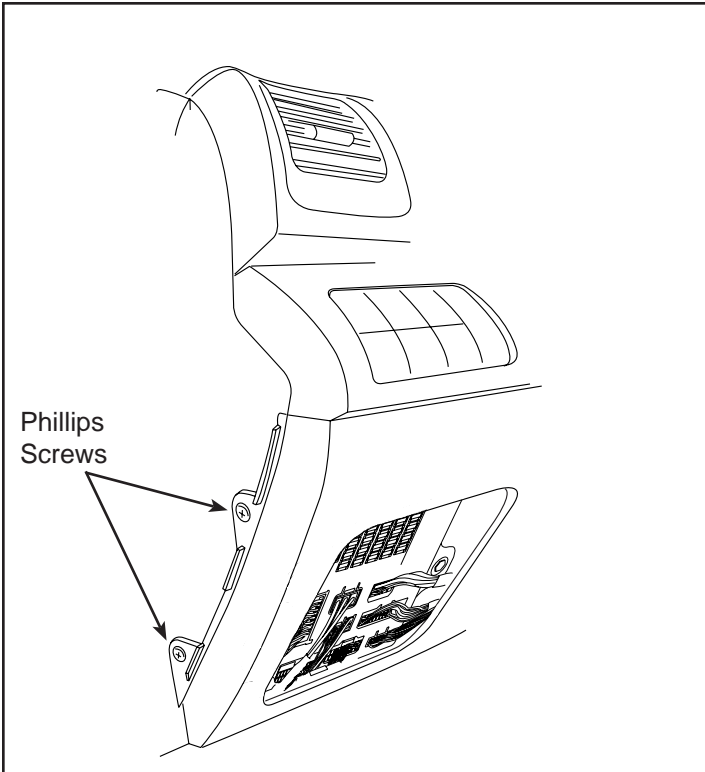
**NOTE**

- \*Reconnect any connectors, including the OBDII connector that may have been removed from the lower dash finish panel.
- \*Reinstall the lower dash finish panel by engaging the (5) pressure clips and (2) phillips screws.



**WARNING! Engine Stall Hazard.** To prevent stress on the remote start wire harness, ensure the tilt/telescopic steering column is fully extended, if equipped. Ensure all connections are fully engaged and locked in place. An engine stall could cause serious physical injury or vehicle damage.

## KIA Genuine Accessories (Vehicle Reassembly)



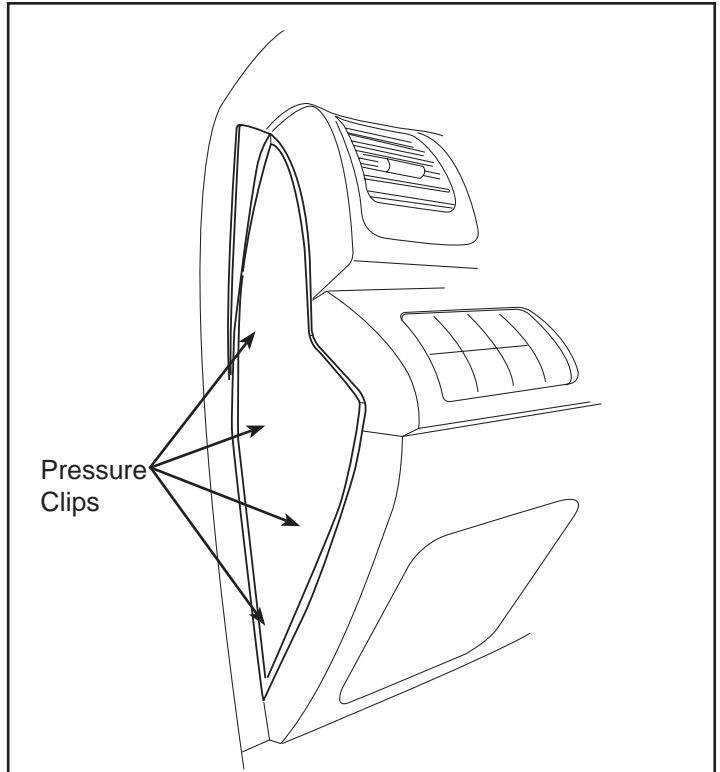
Phillips  
Screws



Phillips Screwdriver

**15**

**N  
O  
T  
E** \*Reinstall the (2) phillips screws on the side of the lower dash finish panel.

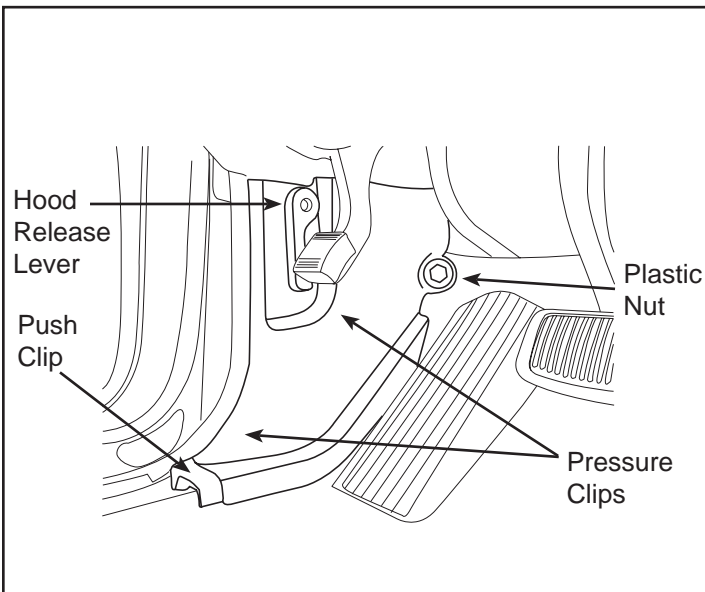


Pressure  
Clips



**16**

**N  
O  
T  
E** \*Reinstall the driver's side dash end cap panel by engaging the (4) pressure clips.  
\*Reinstall the fuse panel access cover.



Hood  
Release  
Lever

Push  
Clip

Plastic  
Nut

Pressure  
Clips

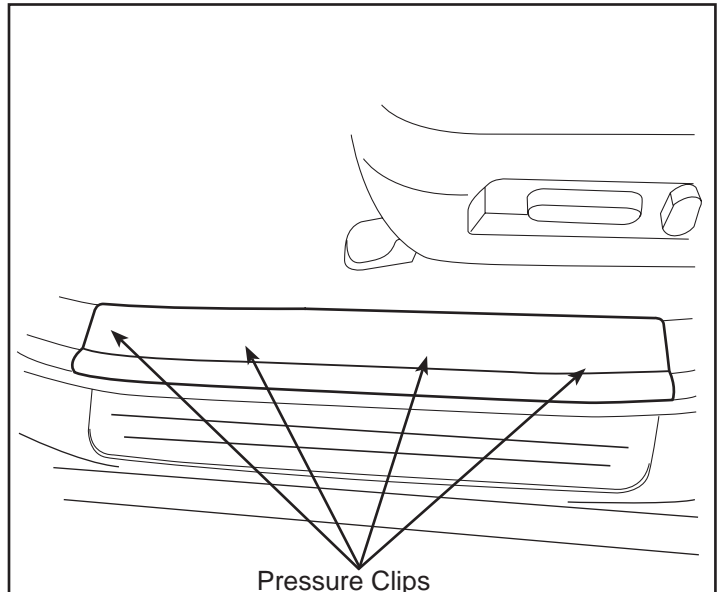


**17**

**N  
O  
T  
E** \*Reinstall the driver's side kick panel by engaging the (2) pressure clips, (1) push clip and (1) plastic nut, if equipped.

\*Reinstall the hood release lever.

\*Reinstall the weatherstrip near the driver's side kick panel.



Pressure  
Clips



**18**

**N  
O  
T  
E** \*Reconnect any connectors, if equipped.




\*Reinstall the driver's side front door step sill trim panel by engaging the (4) pressure clips.











## KIA Genuine Accessories (Troubleshooting)

### CONVENIENCE FEATURES




Issue / Concern	Items To Be Checked	
 Vehicle's horn does not beep when activating the car find or the panic feature.	Instruction Ref.	*Verify that the correct remote start harness wire was connected properly to the correct vehicle wire (Step 13).
	Step 13 (Installation Section)	
 Rear defroster does not work.	Instruction Ref.	*Verify that the correct remote start harness wire was connected properly to the correct vehicle wire (Step 9).
	Step 9 (Installation Section)	
 Headlights do not turn off, 30 seconds after deactivating the remote start (Headlight switch must be in the AUTO or ON position).	Instruction Ref.	*Verify that the correct remote start harness wire was connected properly to the correct vehicle wire (Step 10).
	Step 10 (Installation Section)	

### REMOTE START FEATURES

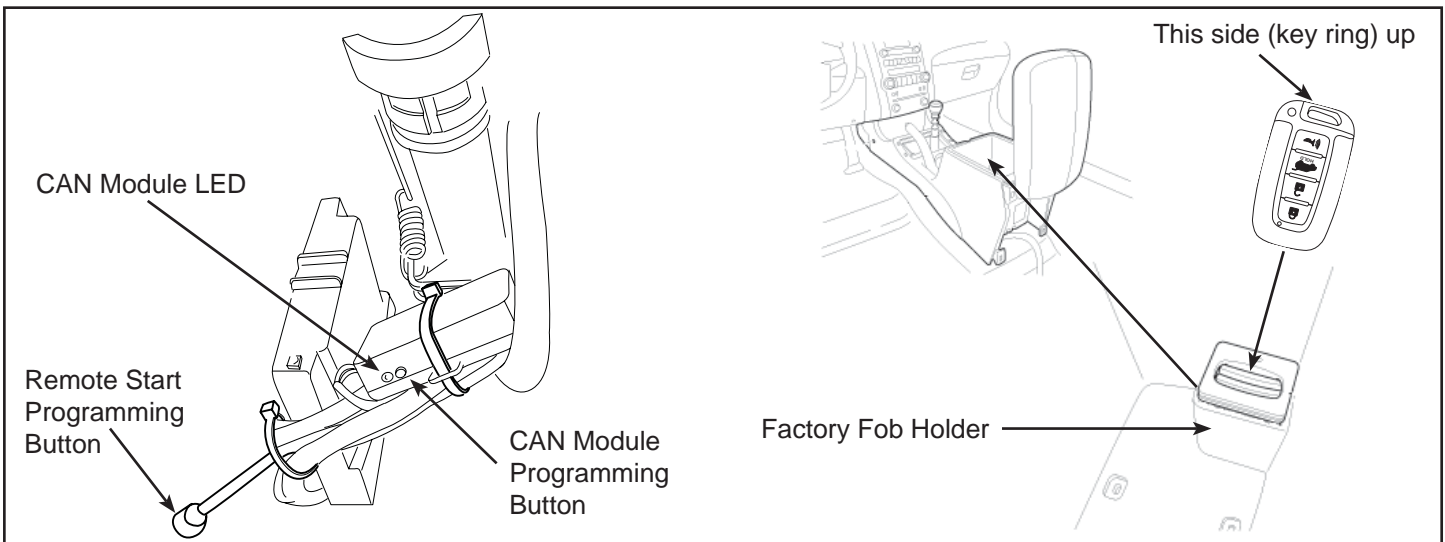
 System does not remote start the vehicle.	Instruction Ref.	*Verify that the correct remote start harness wire was connected properly to the correct vehicle wire (Step 12).  *Verify all 3 connectors at the remote start CAN module are connected properly.
	Step 12 (Installation Section)	
 Horn honks 2 times and vehicle does not start. Brake switch / Hood switch safety input activated.	Instruction Ref.	*Verify that the 4-pin male and female brake switch connectors at the brake switch are connected properly (Step 7).  *Verify that the correct remote start harness wire was connected properly to the correct vehicle wire (Step 8).
	Step 7 & 8 (Installation Section)	
 Horn honks 3 times and vehicle does not start. Valet mode activated.	Owner's Guide	*Verify that the Valet Mode is not engaged - Refer to the Remote Start System Owner's Guide.
	Page 7	
 Horn honks 5 times and vehicle does not start. Tailgate switch safety input activated.	Instruction Ref.	*Verify that the 26-pin connector at the Smart Key module is connected properly (Step 6).  *Verify all 3 connectors at the remote start CAN module are connected properly.
	Step 6 (Installation Section)	
 Horn honks 6 times and vehicle does not start. Door switch safety input activated.	Instruction Ref.	*Verify that the 26-pin connector at the Smart Key module is connected properly (Step 6).  *Verify all 3 connectors at the remote start CAN module are connected properly.
	Step 6 (Installation Section)	
 Horn honks 7 times and vehicle does not start. Engine Start/Stop button switch safety input activated.	Instruction Ref.	*Verify that the 10-pin connector at the Engine Start/Stop button switch is connected properly (Step 5).  *Verify that the 26-pin connector at the Smart Key module is connected properly (Step 6).
	Step 5 & 6 (Installation Section)	

## KIA Genuine Accessories (Troubleshooting)

### REMOTE START FEATURES

Issue / Concern	Items To Be Checked	
 System does not remote start the vehicle.  <u>CAN Module LED status during a remote start attempt:</u>  *LED flashes RED 1X, then turns off.	Instruction Ref.	*Verify that the 26-pin connector at the Smart Key Module is connected properly (Step 6).
	Step 6 (Installation Section)	
 System does not remote start the vehicle.  <u>CAN Module LED status during a remote start attempt:</u>  *LED flashes RED 3X and GREEN 1X, then repeats.	Instruction Ref.	*CAN module is not initialized. Install new CAN module, service part # U8560 00010.
 System does not remote start the vehicle.  <u>CAN Module LED status during a remote start attempt:</u>  *LED flashes RED continuously.	Instruction Ref.	*Perform Alternate Programming Procedure.
	See Procedure Below	

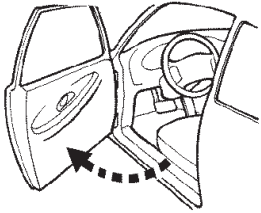
### KIA Genuine Accessories (Alternate Programming Procedure)



**1**


- N O T E**
- \*Press and hold the brake pedal and the remote start harness programming button for 10 - 15 seconds, the LED located on the remote start harness will turn RED for 30 seconds.
  - \*Release the brake pedal and the programming button.
  - \*The LED on the CAN module will be flashing RED.
  - \*Insert the factory transmitter (fob) into the fob holder, located inside the center console, as shown above. Ensure the factory transmitter is completely seated into the fob holder. The LED on the CAN module will turn solid GREEN for (2) seconds and then turn off to indicate successful programming.
  - \*Note: If the LED on the CAN module does not turn on solid GREEN after (3) seconds, remove the factory transmitter and reinsert into the fob holder.**

## KIA Genuine Accessories (Transmitter Programming Procedure)




**1**

**NOTE** \*Open the driver's door.



**2**

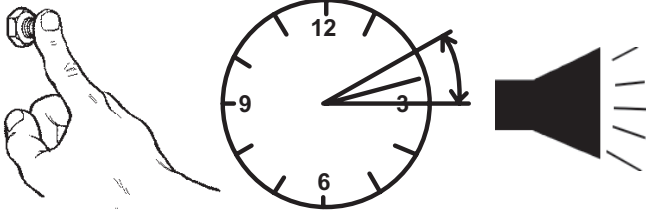
**NOTE** \*Turn the vehicle ignition to the "ON" position; do not start the engine.



**3**

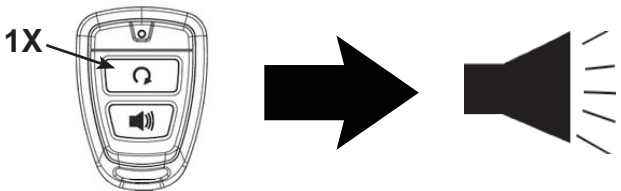
**NOTE** \*Locate the disarm / programming button.

**Note:** The disarm / programming button is secured to the remote start wire harness, located behind the lower dash finish panel.



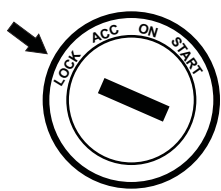
**4**

**NOTE** \*Press and hold the disarm / programming button for 10 - 15 seconds, the horn will beep 3 times.  
\*Release the disarm / programming button.



**5**

**NOTE** \*Press the START button one time, the horn will beep one time indicating that the transmitter code has been learned.  
\*Repeat this process for each additional transmitter.



**6**

**NOTE** \*Turn OFF vehicle ignition.

## KIA Genuine Accessories (Transmitter Battery Test Procedure)

Recycle or dispose of the old battery according to your local laws or regulations.

**1**

**NOTE** \*Insert a flat screwdriver or coin into the slot on the bottom, right of the transmitter.  
\*Twist the screwdriver or coin to separate the halves apart.  
\*Remove the battery from the transmitter.  
\*Using a DMM, check the voltage on the battery.  
\*If the voltage is less than 3 volts, replace the depleted battery with (P/N: CR2032).

