



KIA Genuine Accessories

Vehicle Model Forte (Key Start)
 Model Year 2014 ~
 Part No. A7056 ADU00










Accessory Remote Engine Start
 Difficulty (B)

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



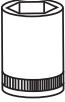
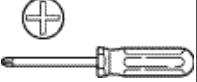

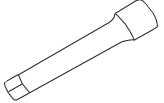
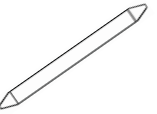
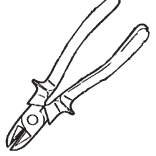

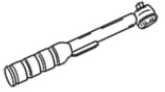
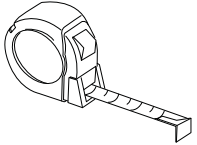
(A) Customer (B) Dealer Technician (C) Master Technician

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 NOT have SMART KEY.

Instruction Symbols / Definitions

 Denotes warnings that may lead to serious physical injury or vehicle damage.  Denotes cautions to be taken to avoid physical injury or electronic component damage.  Denotes cautions to be taken to avoid vehicle and component damage.	 Denotes quality processes to be checked prior to moving to the next step.  Denotes specific tools that are necessary to complete the step. <div style="border: 1px solid black; padding: 2px; display: inline-block; writing-mode: vertical-rl; transform: rotate(180deg);">NOTE</div> Denotes instructional steps necessary to complete the process.	<p>Denotes safety equipment required to be used such as a mask, goggles, rubber gloves, and hearing protection.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Mask </div> <div style="text-align: center;">  Goggles </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  Rubber Gloves </div> <div style="text-align: center;">  Hearing Protection </div> </div>
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Basic Required Hand Tools

		
Ratchet	10 mm Socket	13 mm Deep Socket
		
Phillips Screwdriver	Pliers	Extension
		
Trim Tool	Wire Cutter	Alcohol Cleaner / Clean Cloth
		
Torque Wrench	Tape Measure	

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.

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.

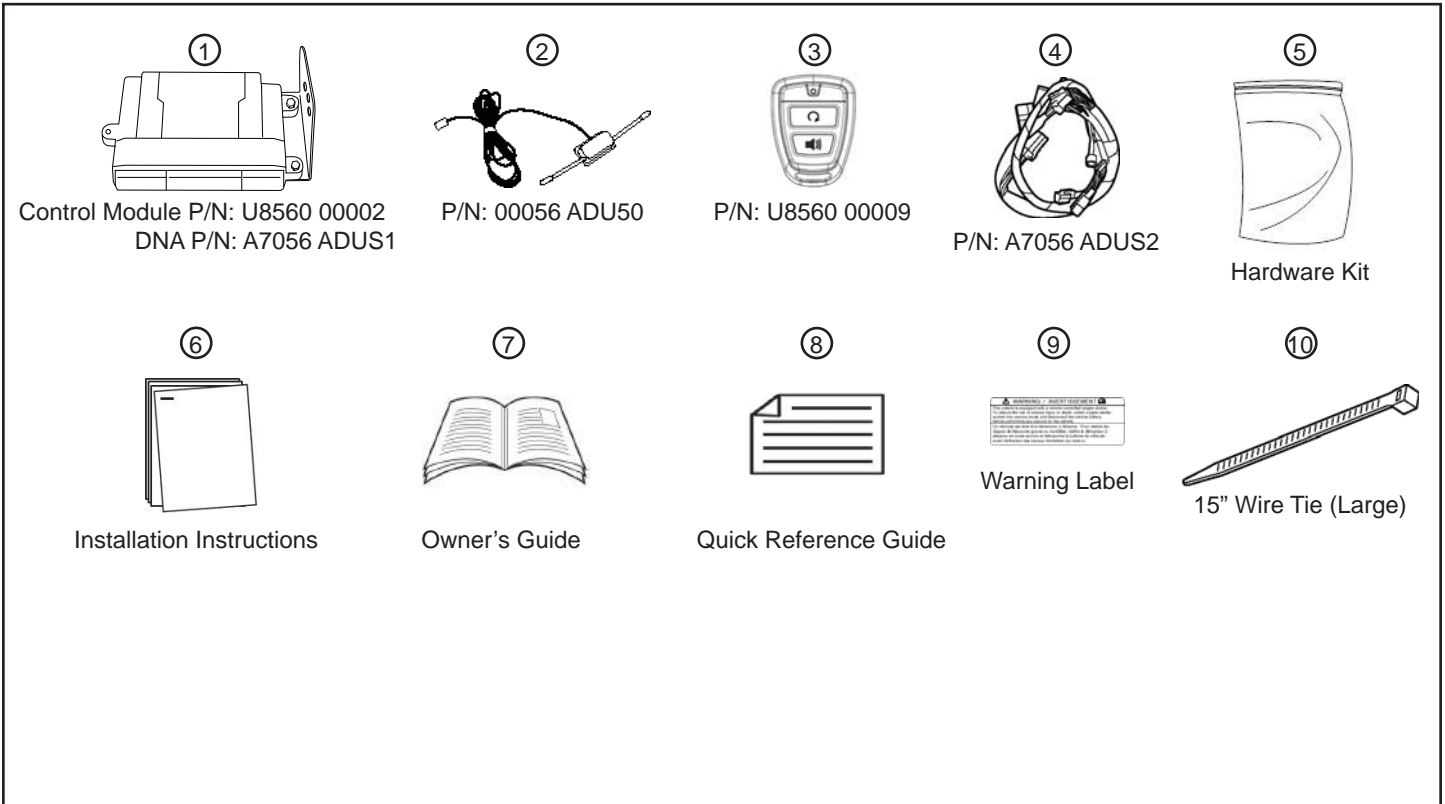


Technical Support

For Authorized Dealers - (800) 667-5176

Hours: 9:00 a.m. - 5:30 p.m. EST Monday - Friday

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Control Module P/N: U8560 00002
DNA P/N: A7056 ADUS1

P/N: 00056 ADU50

P/N: U8560 00009

P/N: A7056 ADUS2

Hardware Kit

Installation Instructions

Owner's Guide

Quick Reference Guide

Warning Label

15" Wire Tie (Large)

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

Hardware Kit Contents

A	
	18* 8" Wire Tie (Small)

B	
	6 Female T-Tap

C	
	3 Small Foam Tape

D	
	2 M8 Serrated Flange Hex Nut

E	
	1 Tether Clip P/N: 85815 1R000

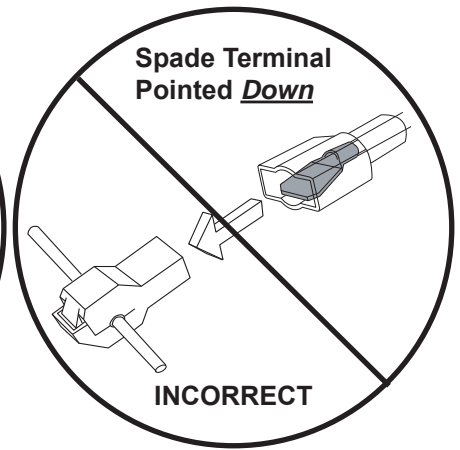
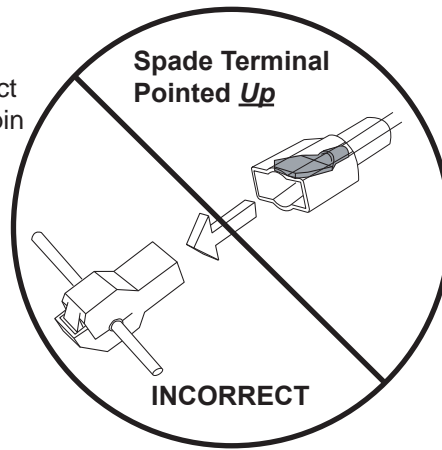
F	
	1 Large Foam Tape

Hardware Kit Total
31

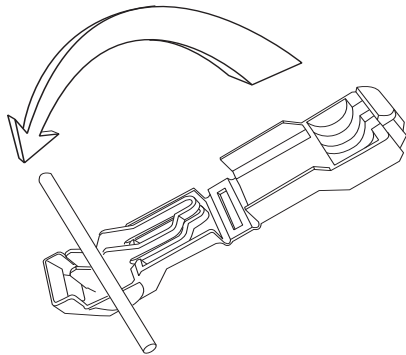
* Extra components intentionally placed in kit as spares. Please follow directions for proper placement of each component.

T-Tap Installation Procedure

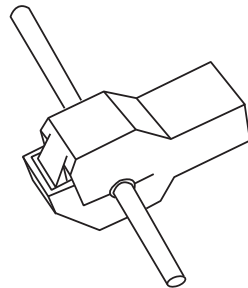
Factory wire harness colors are subject to change. Please use the specified pin # in the harness connector to identify the correct wire for T-Tap installation.



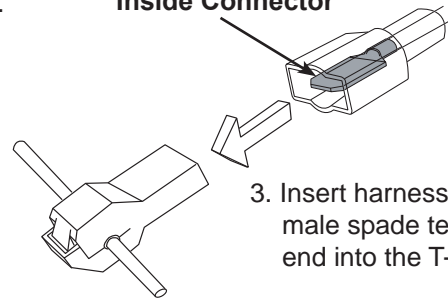
1. Place T-Tap on vehicle wire.



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

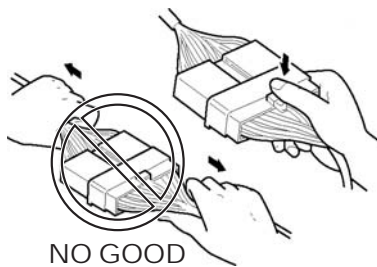


CORRECT
Spade Terminal CENTERED
Inside Connector



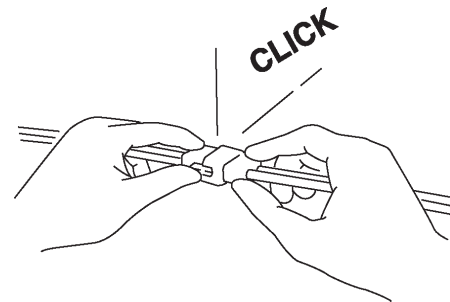
3. Insert harness wire with male spade terminal end into the T-Tap.

**** 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.

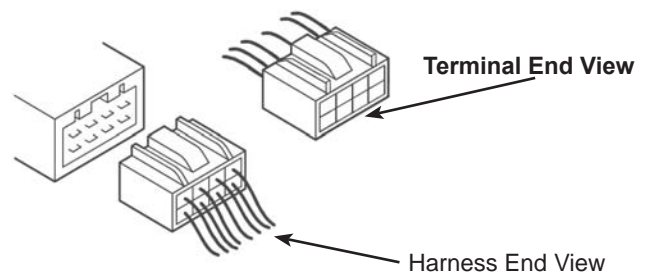
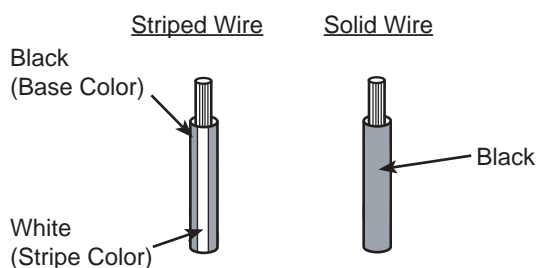


Locking Connectors

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.



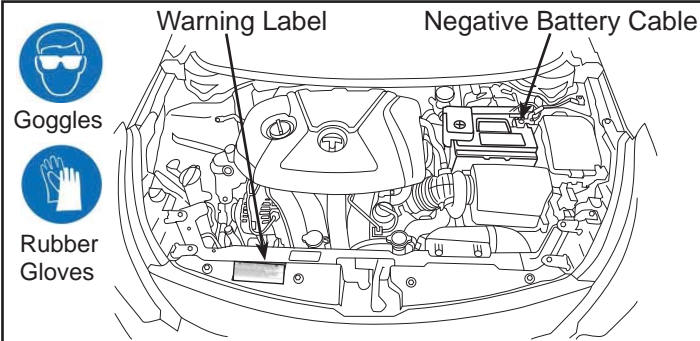
Connector Diagrams

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.

Vehicle Preparation

0

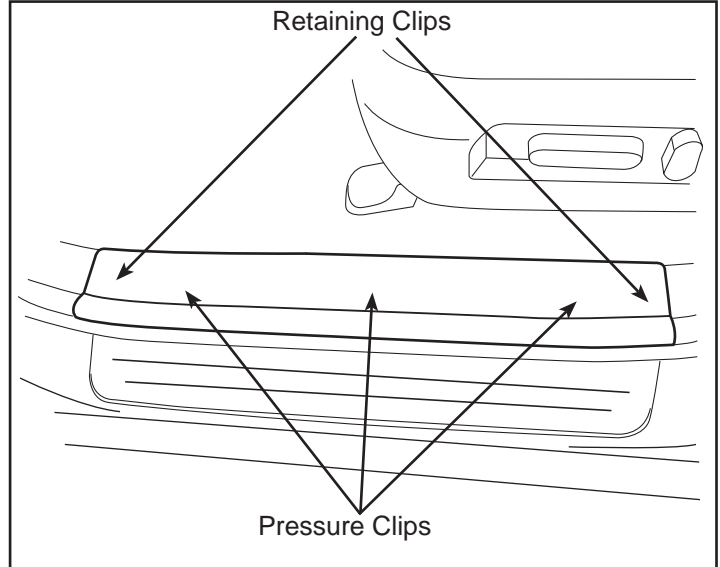
1. Clean hands.
2. Set the parking brake and open driver's door window.
3. Vehicle should be at room temperature.
4. **Ensure vehicle is equipped with automatic transmission, power door locks and power windows. If the vehicle is not equipped with these options, do not proceed. Ensure vehicle DOES NOT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



Ratchet, 10 mm Socket, Alcohol Cleaner and Clean Cloth **1**

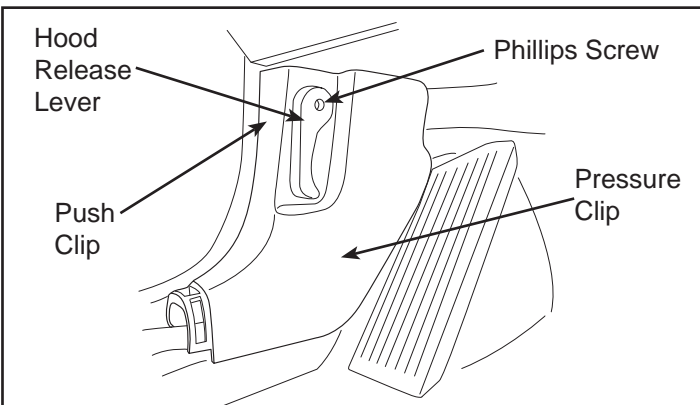
- N O T E**
1. Remove and isolate the negative battery cable from the battery.
 2. Using alcohol and a clean cloth, clean the top surface of the plastic cover near the radiator core support. Ensure the surface is completely dry.
 3. Remove the backing on the warning label and mount in place, as shown 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.



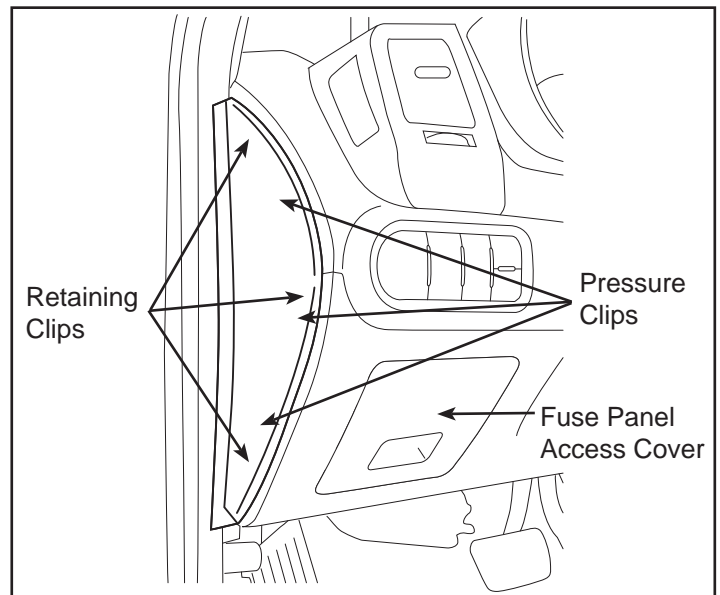
Trim Tool **2**

- N O T E**
1. Remove the driver's side front door step sill trim panel by inserting the trim tool under the trim panel and prying upward to release the three (3) pressure clips and two (2) retaining clips.



#2 Phillips Screwdriver and Trim Tool **3**

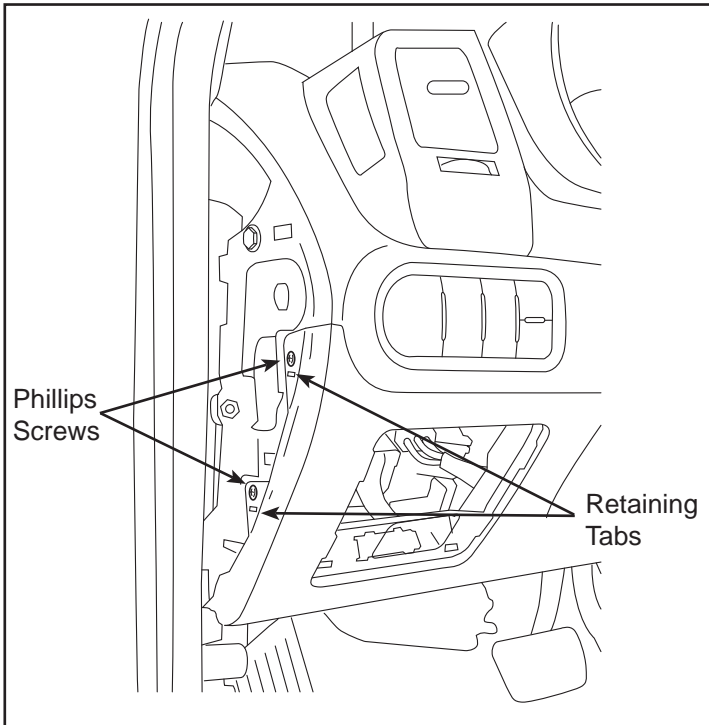
- N O T E**
1. Carefully pull the weatherstrip away from the side of the driver's kick panel.
 2. Remove the hood release lever by removing the #2 phillips screw and pulling toward the center of the vehicle.
 3. Remove the driver's side kick panel from the vehicle by prying toward the center of the vehicle to disengage the one (1) pressure clip and pulling toward the rear of the vehicle to release the one (1) push clip.



Trim Tool **4**

- N O T E**
1. Remove the fuse panel access cover to assist in the removal of the driver's side dash end cap.
 2. Remove the driver's side dash end cap panel by prying outward to disengage the three (3) pressure clips and three (3) retaining clips.

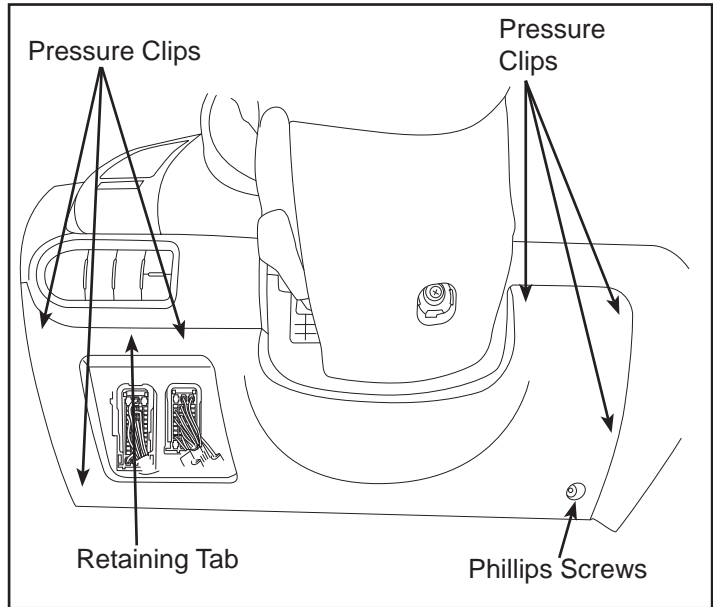
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 #2 Phillips Screwdriver **5**

N O T E

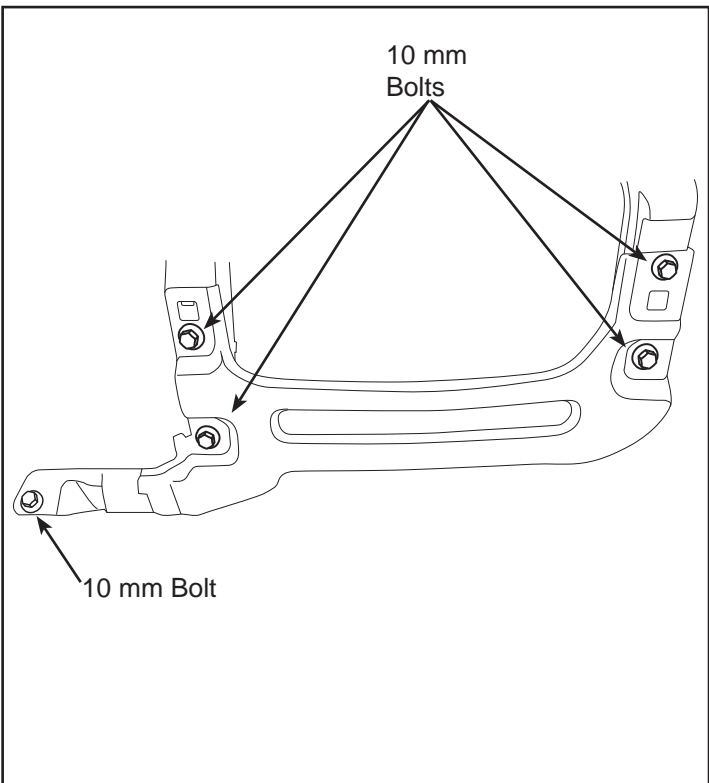
1. Remove the two (2) #2 phillips screws from the side of the lower dash finish panel.




 #2 Phillips Screwdriver and Trim Tool **6**

N O T E

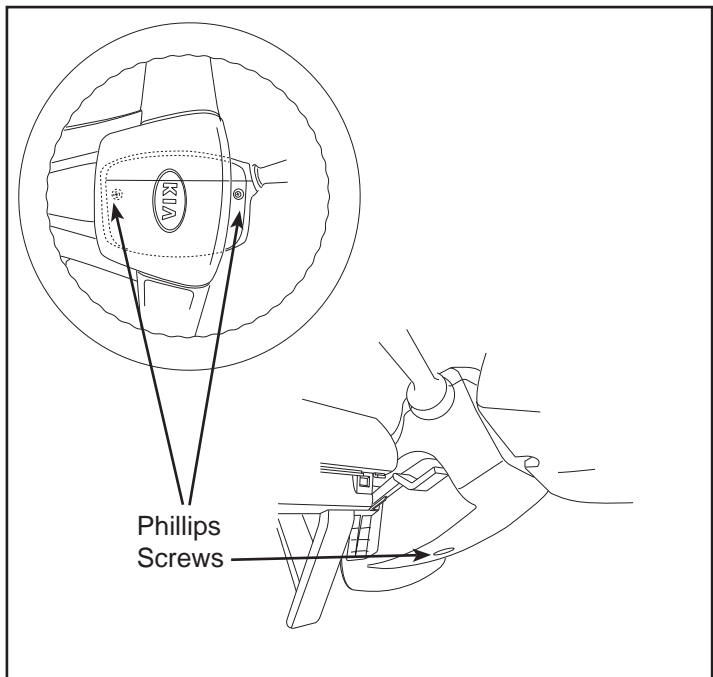
1. Remove the lower dash finish panel by removing the one (1) #2 phillips screw from the bottom of the panel. Using a trim tool, carefully pry outward to release the two (2) retaining tabs from the side, as shown in step 5, and the six (6) pressure clips and one (1) retaining tab from the front of the panel.
2. Remove the OBDII connector from the panel.
3. Disconnect the remaining connectors, if equipped.



 Ratchet, Extension and 10 mm Socket **7**

N O T E

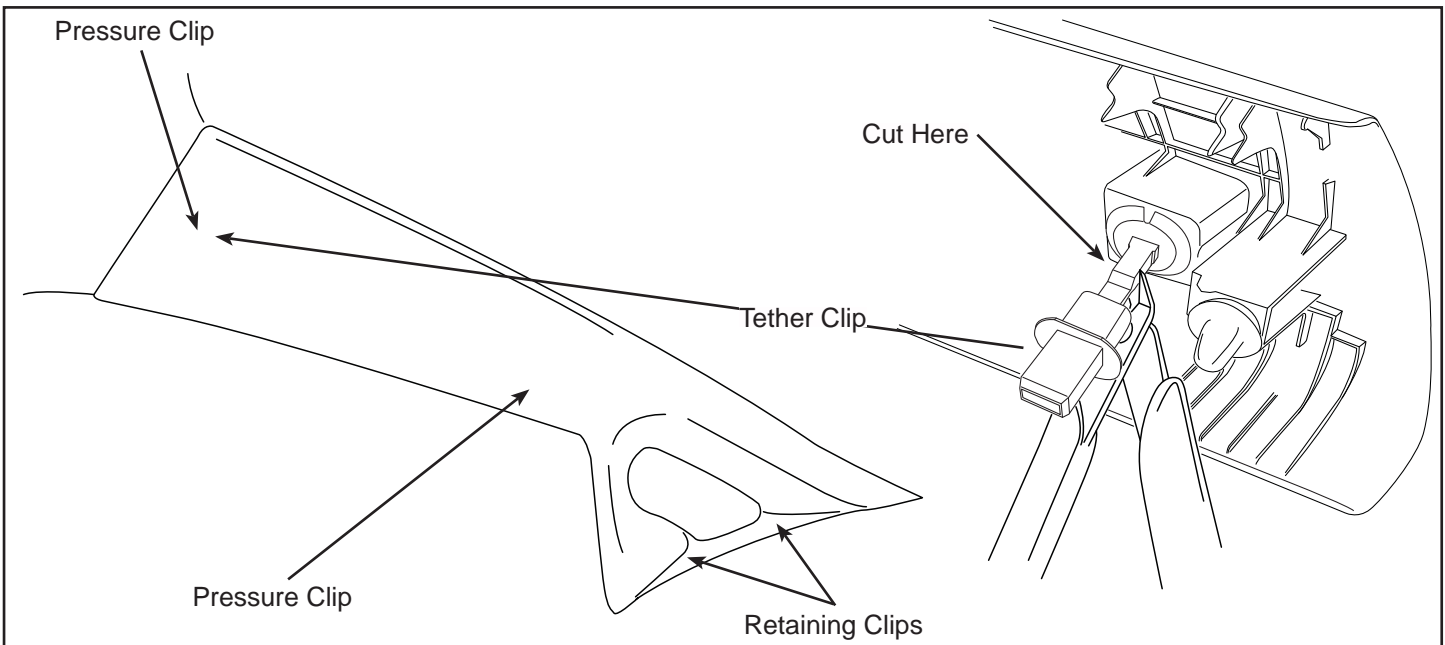
1. Remove the five (5) 10 mm bolts securing the steel knee bolster panel.
2. Remove the steel knee bolster panel from the vehicle.



 #2 Phillips Screwdriver and Trim Tool **8**

N O T E

1. Remove the three (3) #2 phillips screws securing the steering column shroud (one (1) underneath and two (2) behind the steering wheel). Turn the steering wheel for access.
2. Release the tilt steering wheel adjuster lever.
3. Pull down to separate the lower steering column shroud (Use trim tool, if necessary) and remove the from the vehicle.

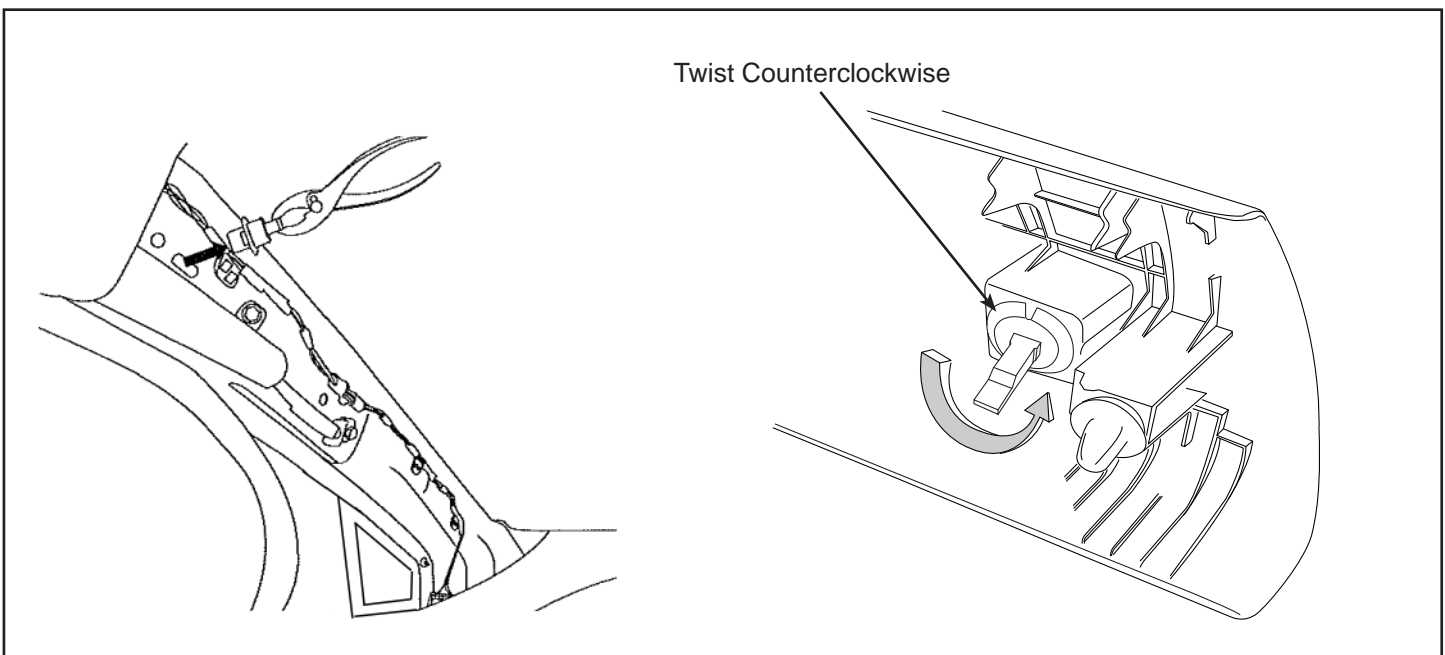


 Trim Tool and Wire Cutter

9

- NOTE**
1. Carefully pull the weatherstrip away from the driver's side "A" pillar.
 2. Starting at the top, partially remove the driver's "A" pillar trim panel by carefully pulling toward the center of the vehicle to release the one (1) tether clip, two (2) pressure clips and two (2) retaining clips.
 3. With the "A" pillar trim panel partially pulled away from the body structure, reach behind the trim panel and cut the tether clip, as shown above.
 4. Remove the "A" pillar trim panel from the vehicle.


 **CAUTION!** Do not lose the two (2) pressure clips. Do not cut anything other than the "A" pillar tether clip.



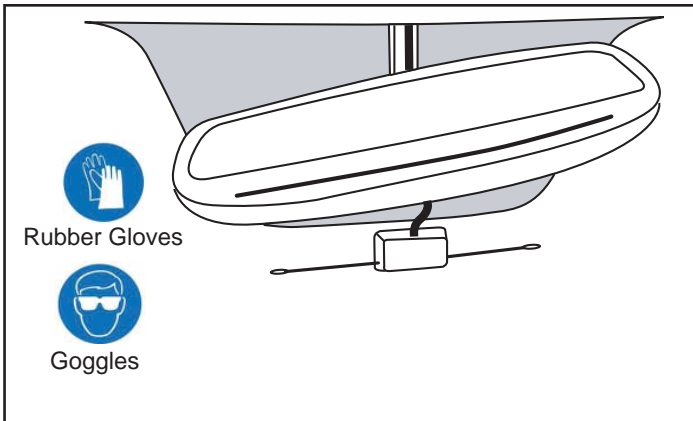
 Pliers

10

- NOTE**
1. Using pliers, pull the remaining portion of the tether clip from the "A" pillar body structure.
 2. Remove the portion of the tether clip that is in the "A" pillar trim panel by twisting counterclockwise 90° and pulling outward, as shown above.
 3. Discard both portions of the tether clip.

 **CAUTION!** Do not scratch or damage the "A" pillar trim panel.

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Rubber Gloves



Goggles

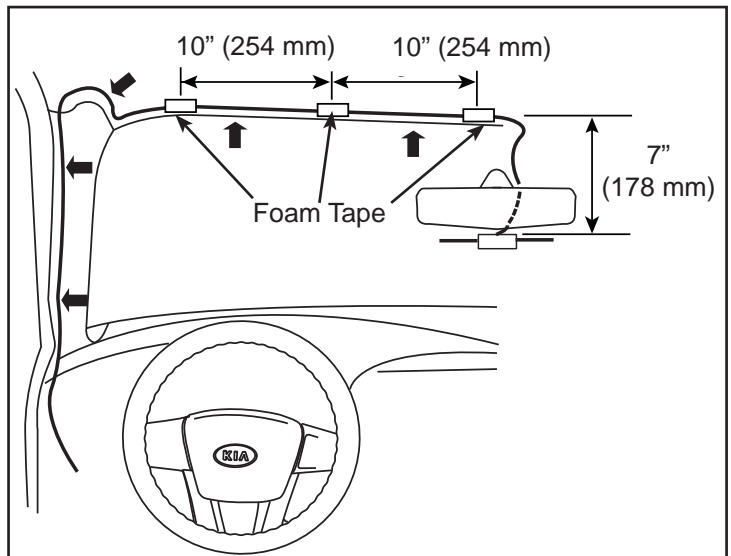


Alcohol Cleaner, Clean Cloth and Tape Measure

11

NOTE

1. Clean the area of the windshield where the antenna will be mounted with an alcohol cleaner and clean cloth. Ensure the glass surface is completely dry.
2. Remove protective backing and mount the dipole antenna to the windshield approximately 0.25" (7 mm) below the mirrors lowest attachment point and/or any windshield electronic gridwork. Press firmly to ensure a good glass to adhesive bond.



Foam Tape

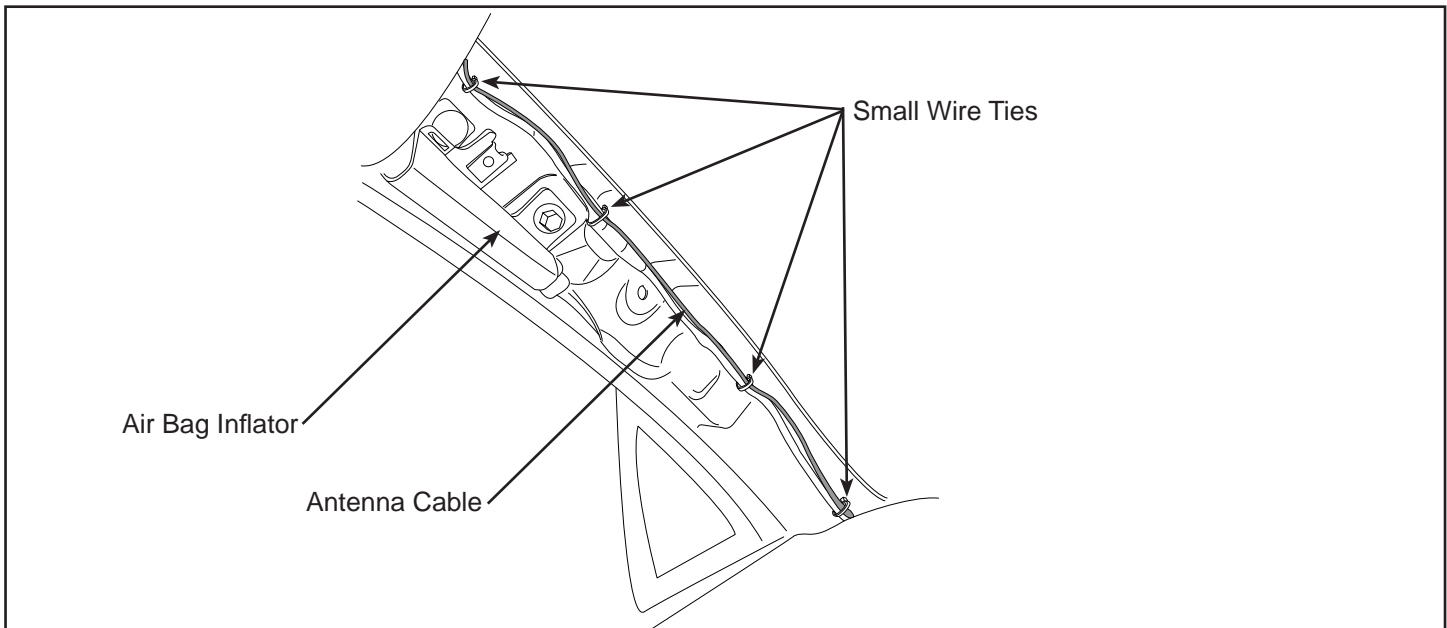


Trim Tool and Tape Measure

12

NOTE

1. Wrap the antenna cable with three (3) pieces of small foam tape, at the distances shown above, to ensure that the antenna will stay in place after routing.
2. 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.



Air Bag Inflator

Antenna Cable

Small Wire Ties



Wire Cutter

13

NOTE

1. Use four (4) small wire ties to secure the antenna cable to the factory harness located within the "A" pillar, as shown above. Trim off excess wire ties.



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

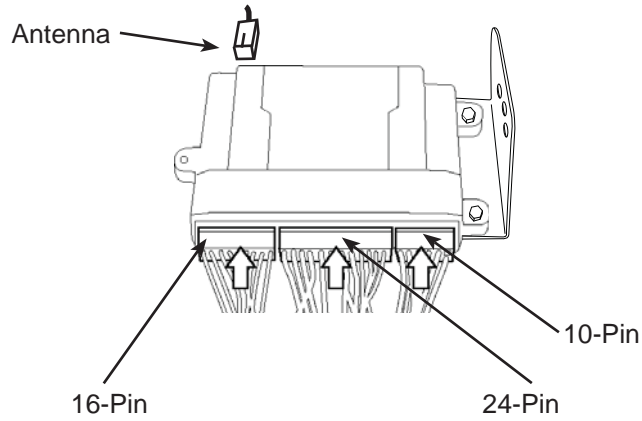


CAUTION! Ensure the antenna cable is routed away from the Air Bag Inflator.



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.

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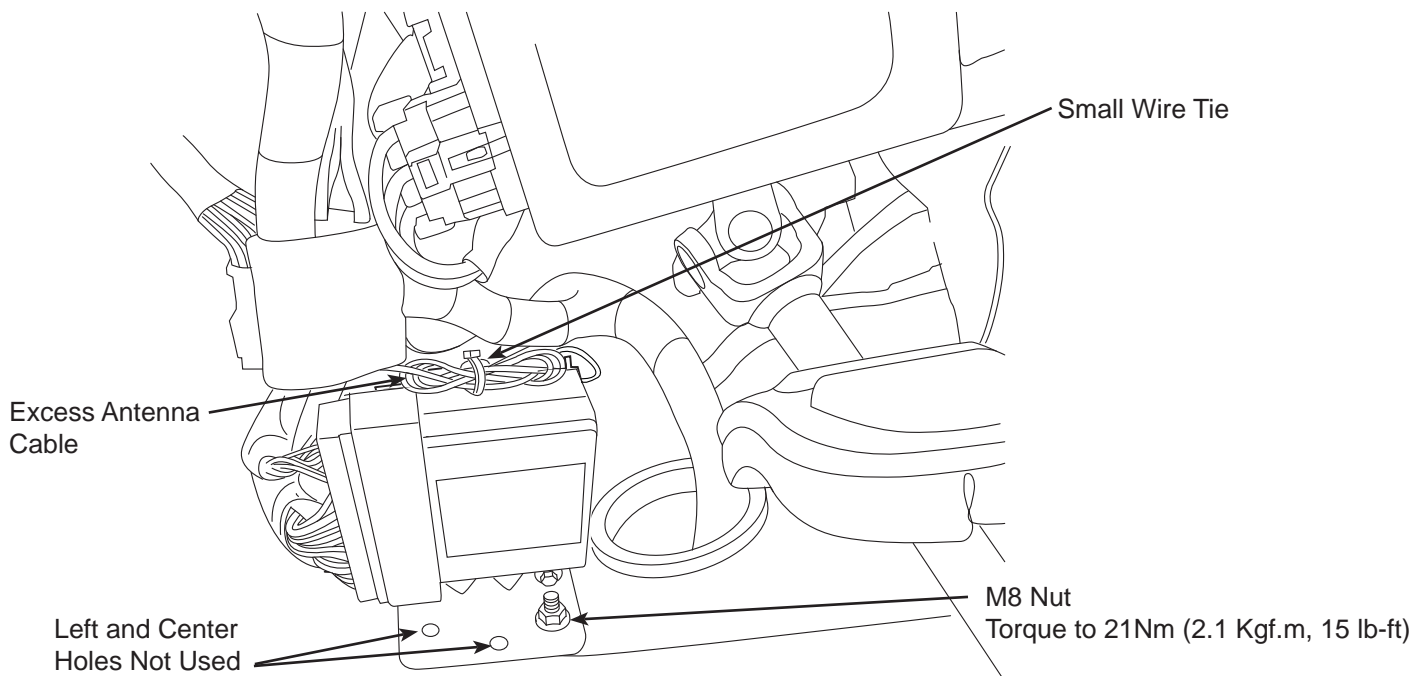


14

- NOTE**
1. Remove the two (2) transmitters and attach individually to each factory key.
 2. Route the antenna cable past the left side of the dashboard and over to the dash wall area.
 3. Plug the 16-pin, 24-pin and 10-pin remote start harness connectors and the 2-pin antenna connector into the remote start module before mounting.
 4. Ensure all connectors are properly locked into position.
- **NOTE:** It is not possible to install the remote start harness connectors after the remote start module is mounted in the vehicle.



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

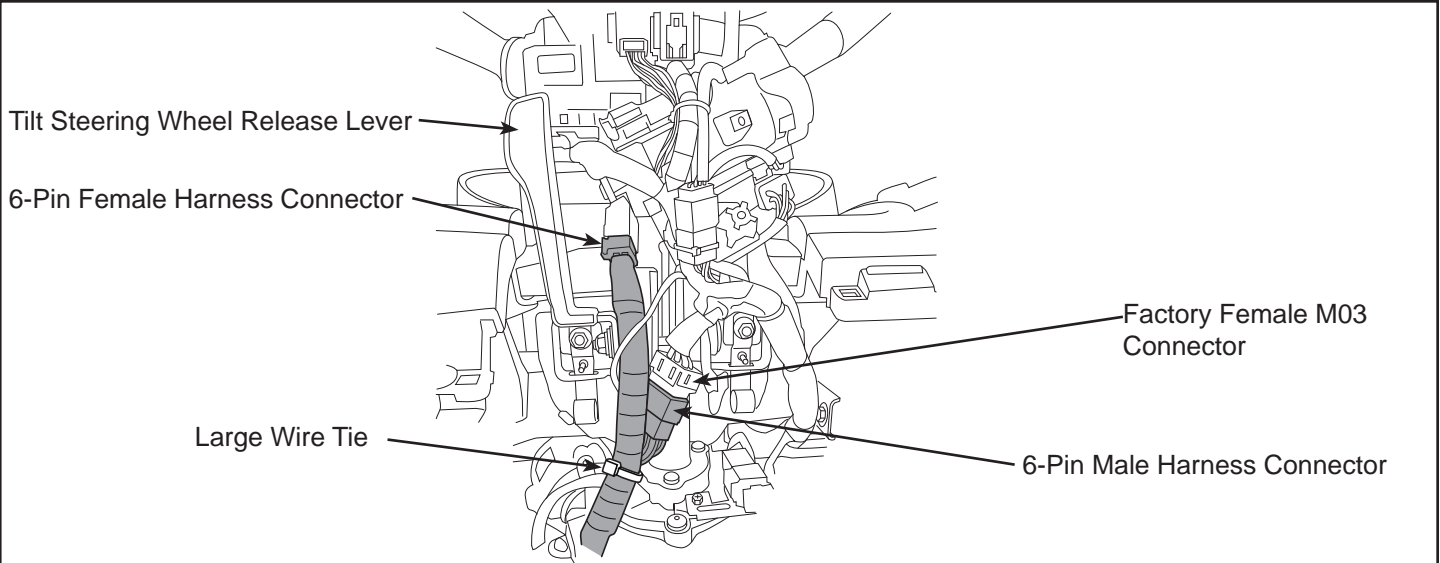


Ratchet, Extension, 13 mm Deep Socket, Torque Wrench and Wire Cutter

15

- NOTE**
1. Secure the remote start module to the factory stud, located on the vehicle dash wall, to the left of the steering column with one (1) supplied M8 nut, as shown above.
 2. Torque the hex nut to 21Nm (2.1 Kgf.m, 15 lb-ft).
 3. Secure the excess antenna cable to the available module mounting hole with one (1) small wire tie. Trim off excess wire tie.
- **NOTE:** Ensure the green production tag attached to the remote start harness is NOT visible after installation.

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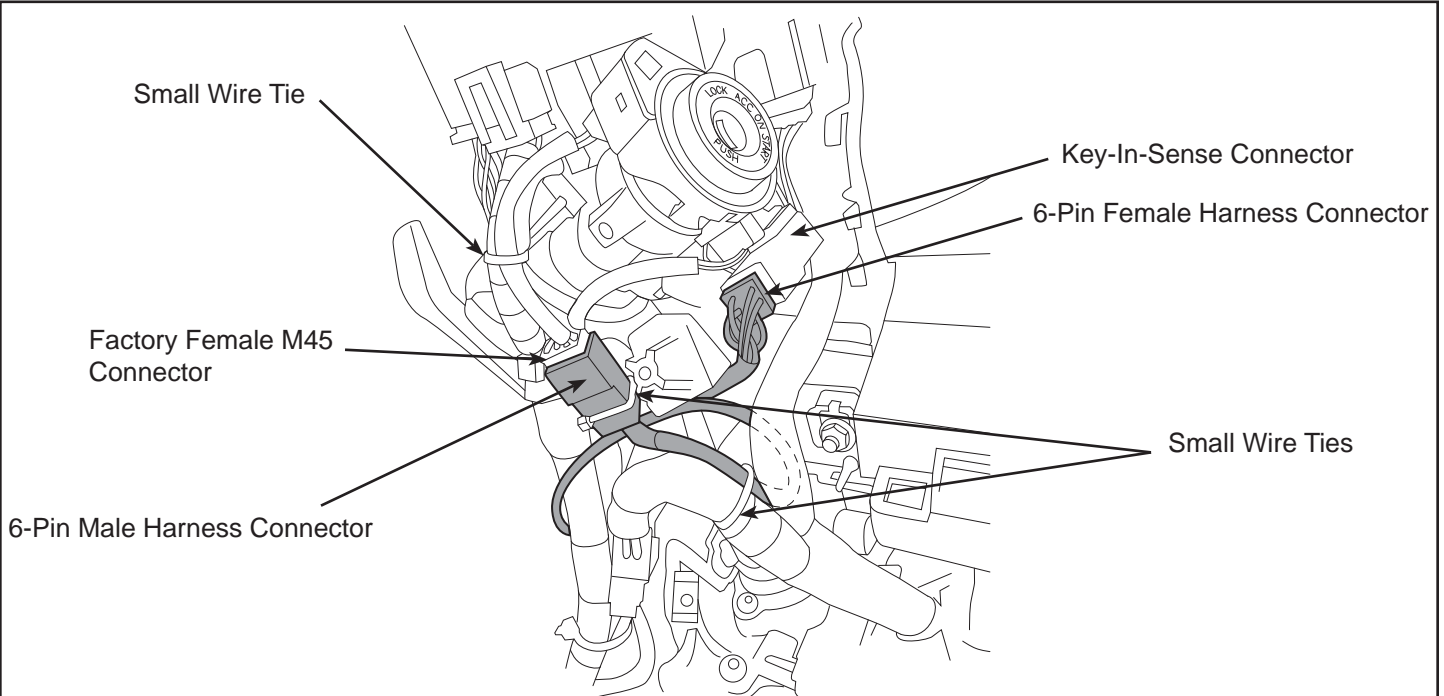
 Wire Cutter

16

- N
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E**
1. Route the remote start harness 6-pin male and female ignition connectors along the right of the fuse panel up to the factory M03 ignition switch connector.
 2. Disconnect the factory female 6-pin M03 ignition switch connector and plug in the corresponding remote start harness connectors.
 3. Secure the factory female M03 ignition connector and the remote start harness male ignition connector to the remote start harness with one (1) large wire tie, as shown above. Trim off excess wire tie.



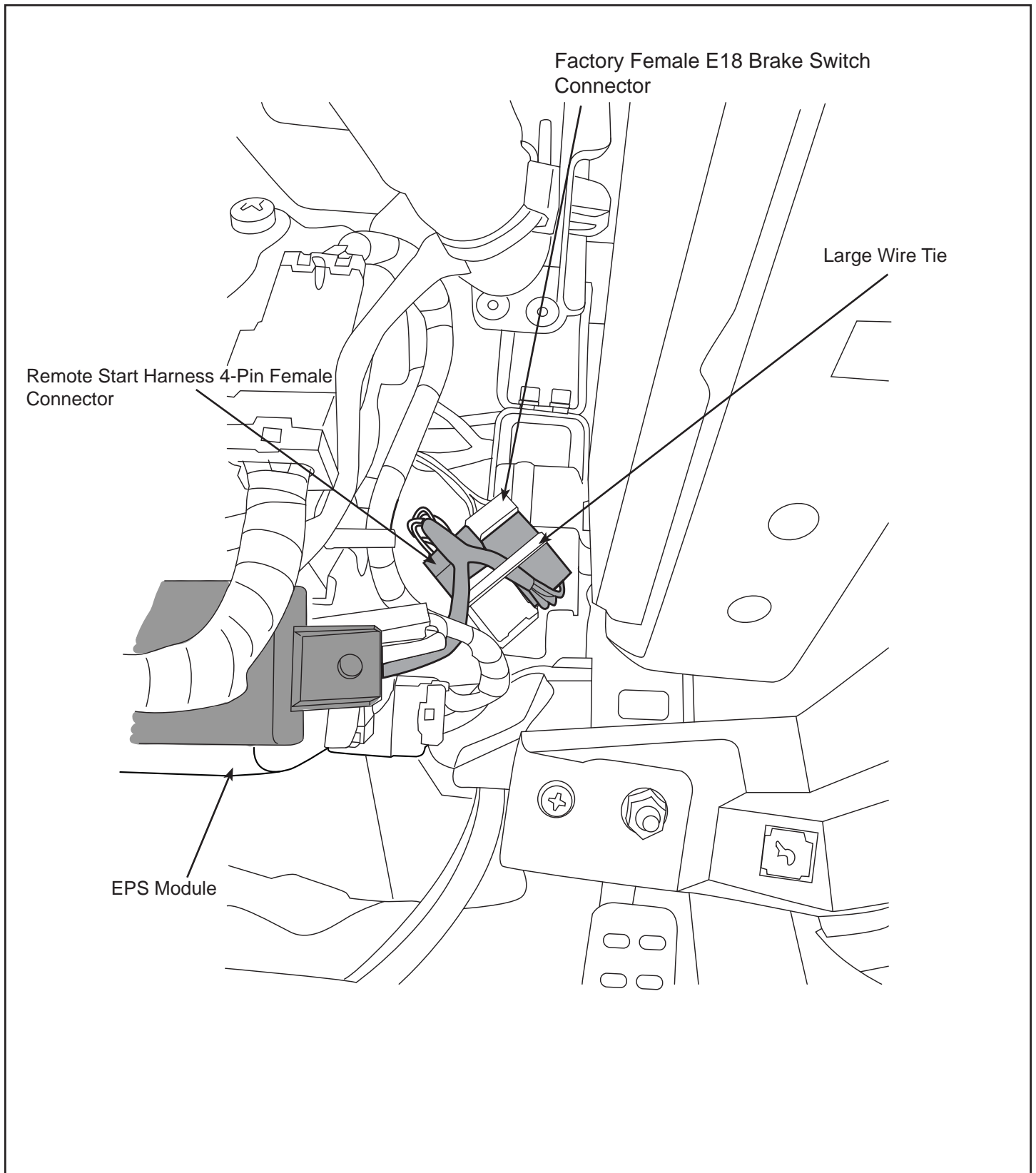
WARNING! Engine Stall Hazard. To prevent stress on the remote start wire harness, ensure the tilt/telescopic steering column is **fully extended**, if equipped. Ensure all connectors are fully engaged and locked in place. An engine stall could cause serious physical injury or vehicle damage.



 Wire Cutter

17

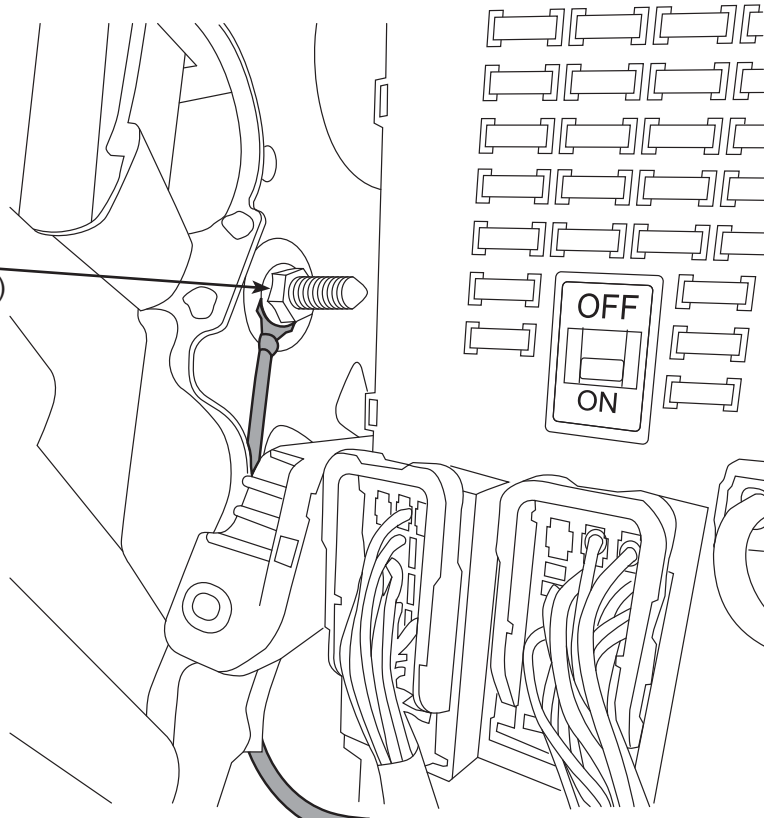
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E**
1. Route the remote start harness 6-pin male and female key-in-sense connectors under the steering column to the factory M45 key-in-sense connector.
 2. Disconnect the factory female 6-pin M45 key-in-sense connector and plug in the corresponding remote start harness connectors.
 3. Secure the factory female M45 key-in-sense connector and the remote start harness male key-in-sense connectors to the remote start harness with three (3) small wire ties, as shown above. Trim off excess wire ties.



Wire Cutter

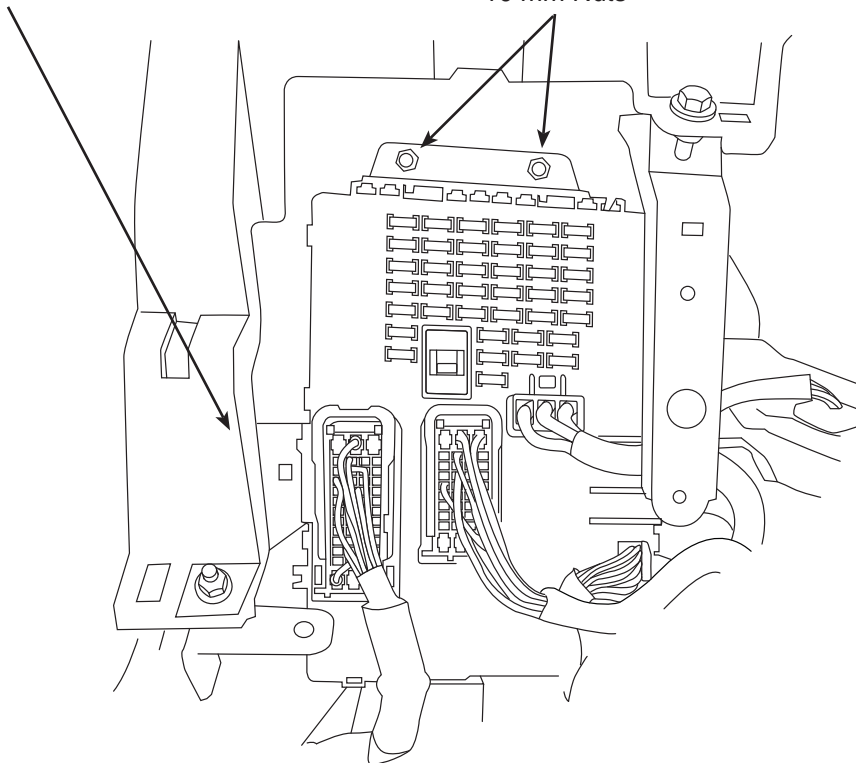
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E**
1. Route the remote start harness, diode module (wrapped in foam) and 4-pin male and female brake switch connectors in front of the Electric Power Steering (EPS) module to the brake switch at the top of the brake pedal, as shown above.
 2. Disconnect the factory female 4-pin E18 connector and plug in the corresponding remote start harness connectors.
 3. Secure the factory female 4-pin E18 connector, the remote start harness male connector and the remote start harness to the brake switch with one (1) large wire tie, as shown above. Trim off excess wire tie.

Factory M8 Stud
Torque to 14 Nm (1.4 Kgf.m, 10 lb-ft)



10 mm Bolt
(Hidden From View)

10 mm Nuts



Ratchet, Extension, 10 mm Socket, 13 mm Deep Socket and Torque Wrench

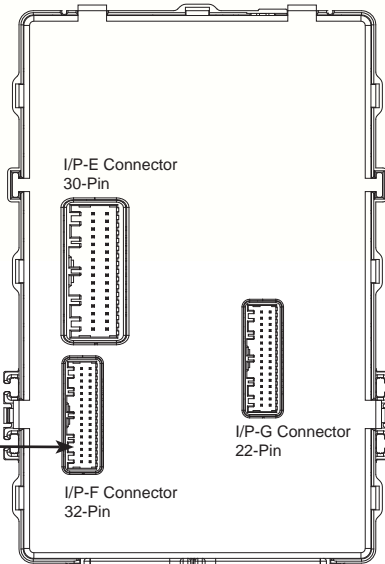
- N
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E**
1. Route the Yellow/Black (Dome Light Output), Brown (Alternator Input), White (Horn Output) and the Black (Ground) wires along the front of the fuse panel.
 2. Remove the two (2) 10 mm nuts and one (1) 10 mm bolt securing the fuse panel, as shown above.
 3. Tilt the fuse panel forward and locate the factory M8 stud, to the left of the fuse panel.
 4. Position the Black (Ground) wire with ring terminal over the bolt and install one (1) supplied M8 nut.
 5. Torque to 14 Nm (1.4 Kgf.m, 10 lb-ft).

Factory Female 32-Pin
I/P-F Connector

Small Wire Ties

Remote Start Harness 32-Pin Female
Connector

I/P-F Connector



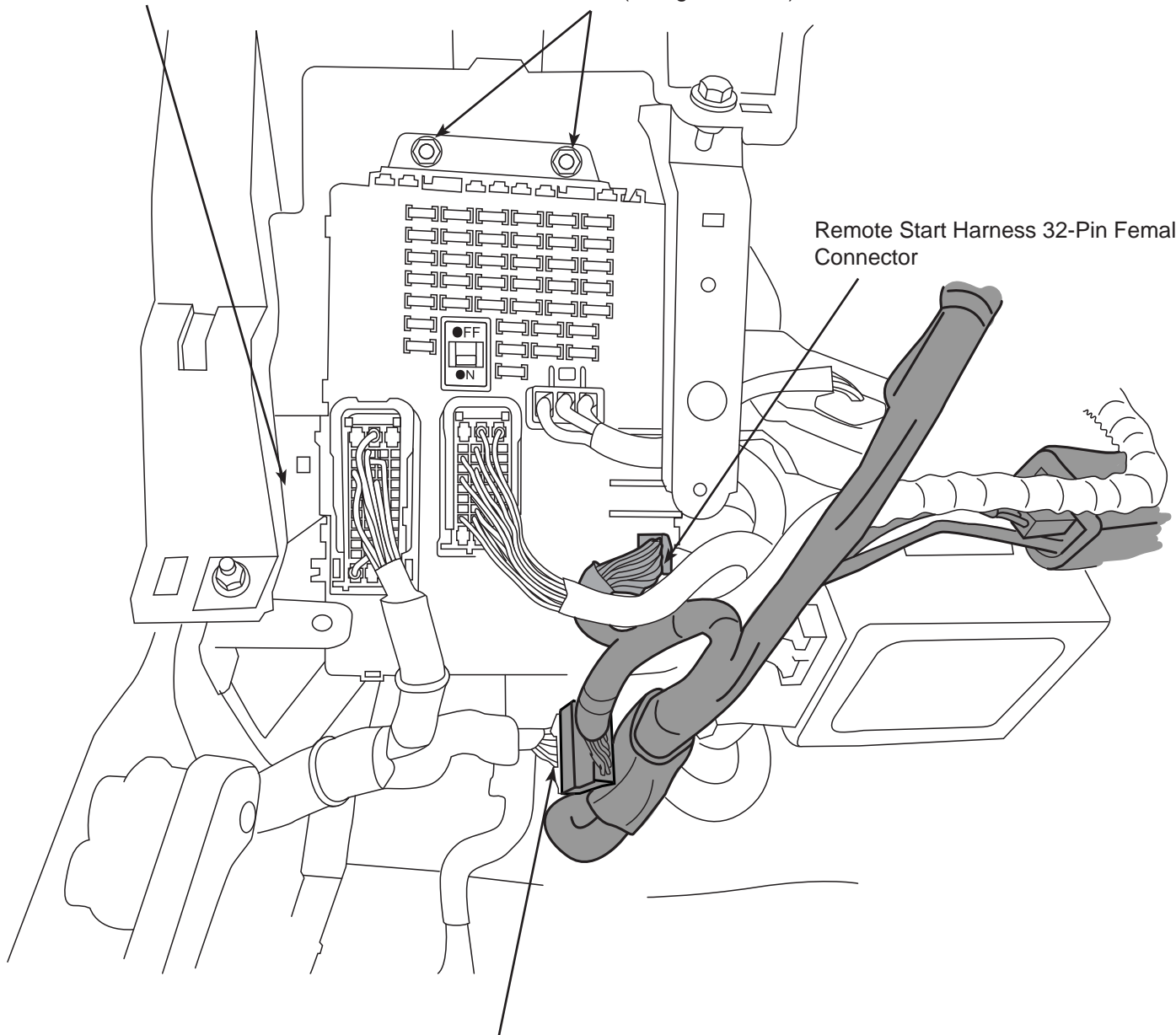
Wire Cutter

- N
O
T
E**
1. Route the 32-pin male and female remote start harness connectors (**Wrapped with BLUE tape**) to the back of the fuse panel.
 2. Locate the 32-pin I/P-F connector on the back of the fuse panel. Disconnect the factory female 32-pin I/P-F connector and plug in the corresponding remote start harness connectors.
 3. Secure the factory female 32-pin I/P-F connector harness and the remote start harness with two (2) small wire ties, as shown above. Trim off excess wire ties.

10 mm Bolt (Hidden From View)
7 Nm (0.7Kgf.m, 5 lb-ft)

10 mm Nuts
7 Nm (0.7Kgf.m, 5 lb-ft)

Remote Start Harness 32-Pin Female Connector



Factory Female 32-Pin I/P-D Connector

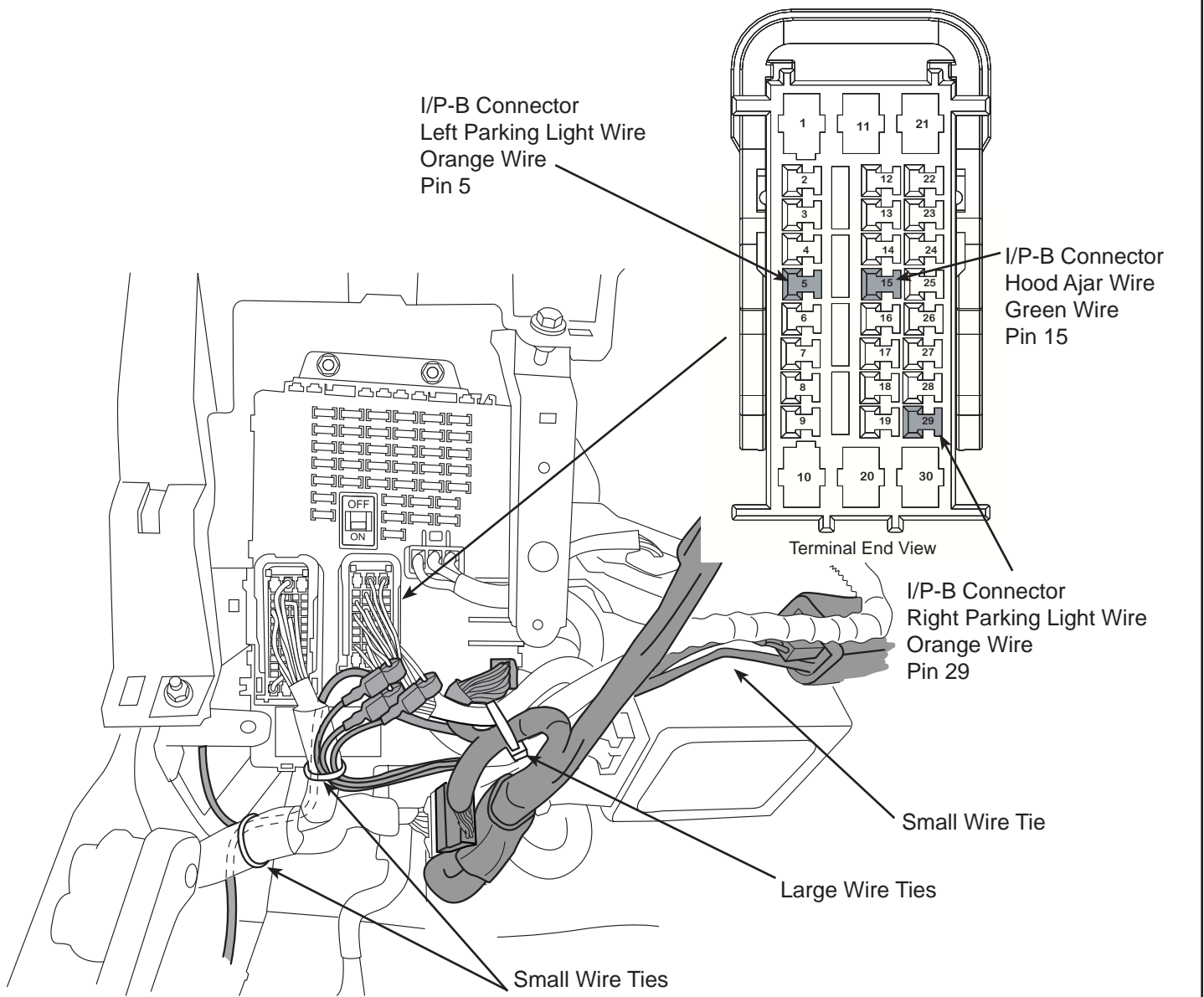
 Ratchet, Extension, 10 mm Socket and Torque Wrench


21

- NOTE**
1. Reinstall the fuse panel with the two (2) 10 mm nuts and one (1) 10 mm bolt, as shown above. Torque hex nuts and bolts to 7 Nm (0.7Kgf.m, 5 lb-ft).
 2. Route the 32-pin male and female remote start harness connectors (**Wrapped with BLACK tape**) to the front of the fuse panel.
 3. Locate the 32-pin I/P-D connector on the front of the fuse panel. Disconnect the factory female 32-pin I/P-D connector and plug in the corresponding remote start harness connectors.

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***Unplug connector, if necessary, to identify proper pin location and to make T-Tap connection.**



 Pliers and Wire Cutter

22

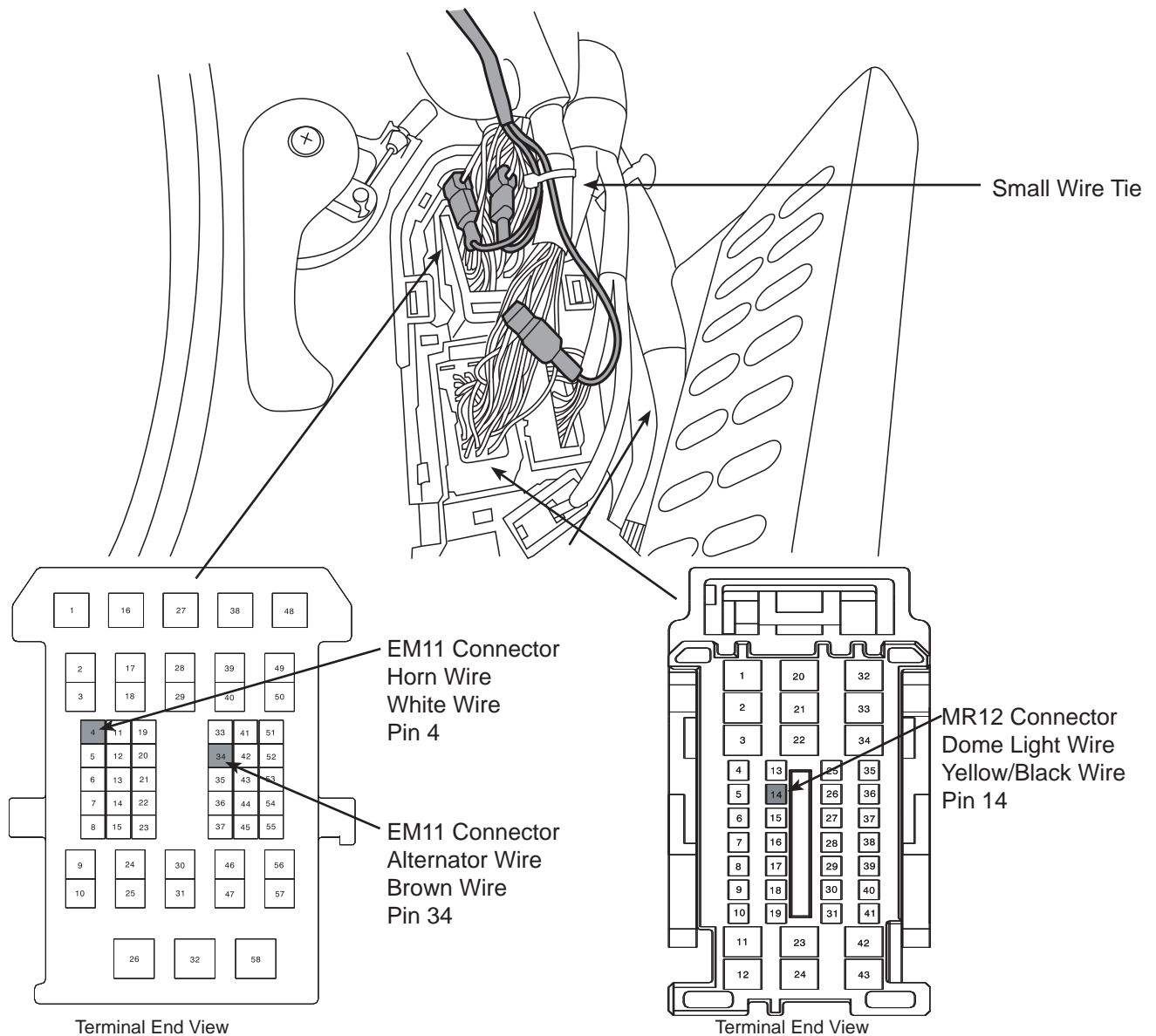
N *Refer to Page 3 for T-Tap Installation Procedure.

- O**
- T**
- E**
1. Continue to route the Orange (Left Parking Light Output), Orange/Black (Right Parking Light Output) and the Green (Hood Ajar Input) wires to the front of the fuse panel.
 2. Locate the Orange wire in **pin #5** of the 30-pin I/P-B female connector.
 3. Using pliers, crimp one (1) T-Tap on the Orange wire located in **pin #5** of the 30-pin I/P-B female connector.
 4. Connect the Orange (Left Parking Light Output) wire from the remote start harness to the Orange wire (Pin #5 of the I/P-B connector) by engaging the T-Tap.
 5. Locate the Orange wire in **pin #29** of the 30-pin I/P-B female connector.
 6. Using pliers, crimp one (1) T-Tap on the Orange wire located in **pin #29** of the 30-pin I/P-B female connector.
 7. Connect the Orange/Black (Right Parking Light Output) wire from the remote start harness to the Orange wire (Pin #29 of the I/P-B connector) by engaging the T-Tap.
 8. Locate the Green wire in **pin #15** of the 30-pin I/P-B female connector.
 9. Using pliers, crimp one (1) T-Tap on the Green wire located in **pin #15** of the 30-pin I/P-B female connector.
 10. Connect the Green (Hood Ajar Input) wire from the remote start harness to the Green wire (Pin #15 of the I/P-B connector) by engaging the T-Tap.
 11. Secure the remote start harness to the factory harness using one (1) large wire tie and three (3) small wire ties, as shown above. Trim off excess wire ties.



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 and to make T-Tap connection.**



Pliers and Wire Cutter

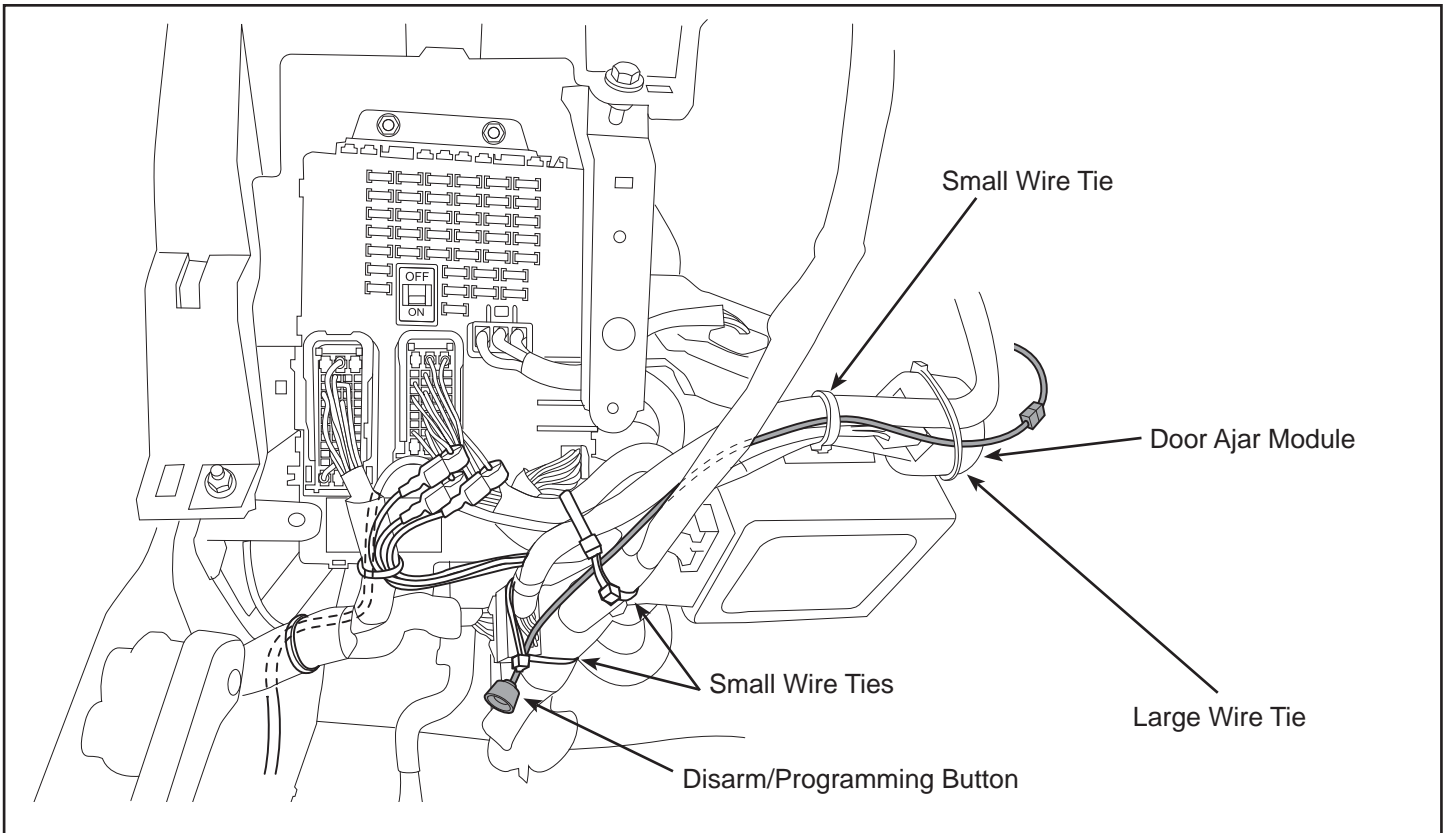
23

N *Refer to Page 3 for T-Tap Installation Procedure.

- O**
- T**
- E**
1. Route the Yellow/Black (Dome Light Output), Brown (Alternator Input) and the White (Horn Output) wires to the driver's kick panel area.
 2. Locate the Brown wire in **pin #34** of the 58-pin EM11 female connector.
 3. Using pliers, crimp one (1) T-Tap on the Brown wire located in **pin #34** of the 58-pin EM11 female connector.
 4. Connect the Brown (Alternator Input) wire from the remote start harness to the Brown wire (Pin #34 of the EM11 connector) by engaging the T-Tap.
 5. Locate the White wire in **pin #4** of the 58-pin EM11 female connector.
 6. Using pliers, crimp one (1) T-Tap on the White wire located in **pin #4** of the 58-pin EM11 female connector.
 7. Connect the White (Horn Output) wire from the remote start harness to the White wire (Pin #4 of the EM11 connector) by engaging the T-Tap.
 8. Locate the Yellow/Black wire in **pin #14** of the 43-pin MR12 female connector.
 9. Using pliers, crimp one (1) T-Tap on the Yellow/Black wire located in **pin #14** of the 43-pin MR12 female connector.
 10. Connect the Yellow/Black (Dome Light Output) wire from the remote start harness to the Yellow/Black wire (Pin #14 of the MR12 connector) by engaging the T-Tap.
 11. Secure the Yellow/Black (Dome Light Output), Brown (Alternator Input) and the White (Horn Output) wires to the factory harness using one (1) small wire tie, as shown above. Trim off excess wire tie.




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

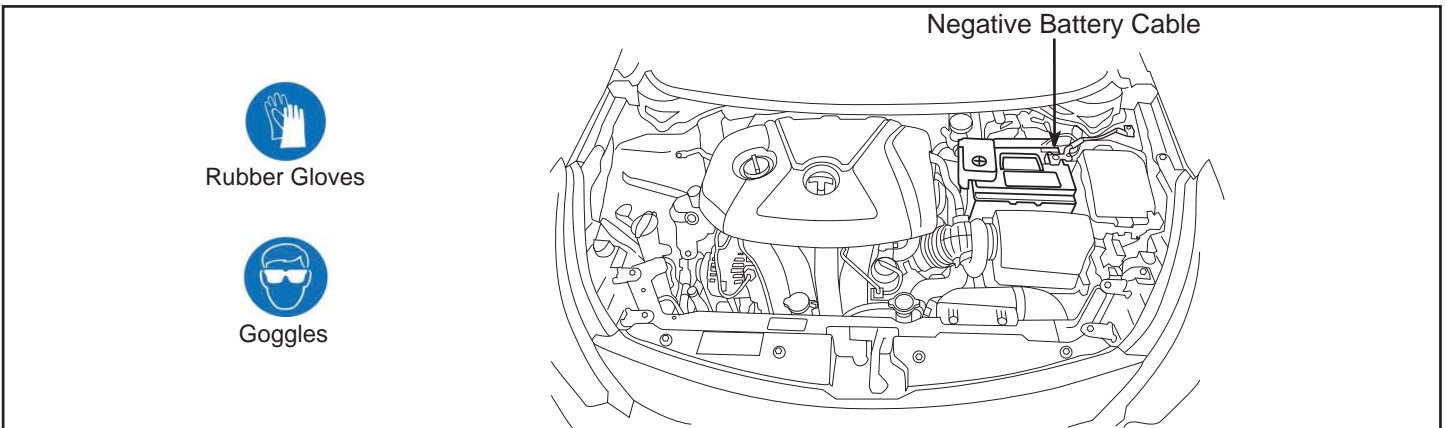



 Wire Cutter

24

- N O T E**
1. Verify all connections are secure as per the installation instructions.
 2. Secure the disarm / programming button and the remote start harness with three (3) small wire ties and one (1) large wire tie to the factory harness, as shown above. Trim off excess wire ties.

 **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 connectors are fully engaged and locked in place. An engine stall could cause serious physical injury or vehicle damage.



 Ratchet and 10 mm Socket

25












- N O T E**
1. Verify all connections are secure as per the installation instructions.
 2. Turn the ignition key to the ON position.
 3. Reconnect the negative battery cable.
 4. Start the vehicle and verify that no air bag or engine codes have been triggered. Any fault codes should be addressed before proceeding to the next step.
 5. Turn the ignition key to the LOCK (OFF) position.

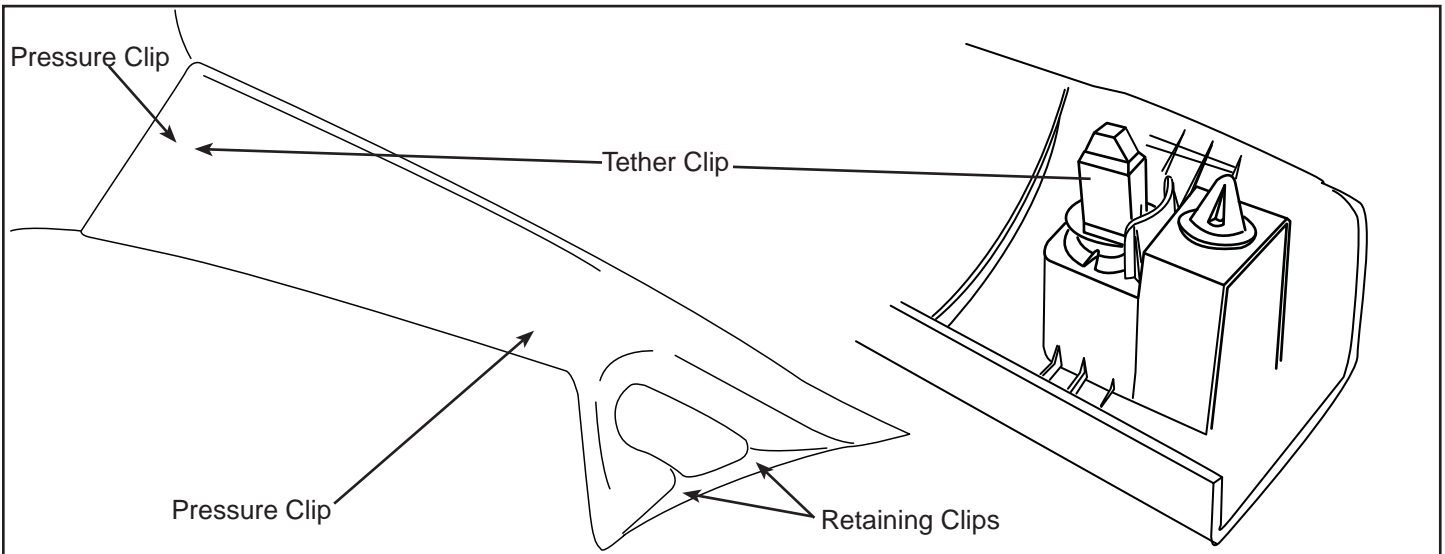
 **WARNING! Shock Hazard.** Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious physical injury or vehicle damage may occur.

KIA Genuine Accessories Function Check

Ensure the transportation fuse is properly installed before performing the Function Check.

If the transmitters fail to operate, refer to Page 24 (Transmitter Programming and Battery Test Procedure).

Items To Be Checked	Results Of The Check
 <p><u>Remote Engine Start</u> - Make sure the key is removed from the ignition switch and the doors, trunk and engine hood are closed. Activate the remote start by pressing the start button on the transmitter two (2) times within three (3) seconds.</p>	<p>The parking lights will flash one (1) time, the horn will beep one (1) time, the doors will lock, then the engine will crank and start. Once started, the horn will beep one (1) time and the parking lights will come on and stay on signifying the engine is running.</p>
 <p><u>Driver's Door Unlock / Interior Lamp</u> - Press the start button on the transmitter one (1) time to unlock the driver's door.</p>	<p>The parking lights will flash two (2) times, unlock the driver's door only and illuminate the interior light for thirty (30) seconds.</p> <p>NOTES: Interior lamp switch must be set to door position to illuminate.</p> <p>If no door or trunk is opened within thirty (30) seconds, the interior lights will turn off and the doors will auto lock.</p>
 <p><u>Brake Pedal Safety</u> - Enter the vehicle and press and release the brake pedal.</p>	<p>The engine/remote start will turn off.</p>
 <p><u>Key-In-Sense</u> - Insert the ignition key into the ignition switch but keep it in the OFF position. Activate the remote engine start using the transmitter.</p>	<p>The parking lights will flash one (1) time and the ignition will turn on as if it is going to start. But, the horn will beep two (2) times and the remote engine start will not attempt to start the vehicle since it detects the key in the ignition. In addition, the driver's door will unlock and the vehicle's interior light will illuminate.</p> <p>NOTE: Interior lamp switch must be set to door position to illuminate.</p>
 <p><u>Hood Safety Switch</u> - Remove the key from the ignition and activate the remote engine start. After the vehicle has started, temporarily reinstall 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>Door Unlock</u> - Close the engine hood and all doors and activate the remote engine start. Press the start button on the transmitter two (2) times within five (5) seconds.</p>	<p>The parking lights will flash two (2) times and unlock all doors.</p> <p>NOTE: If no door or trunk is opened within thirty (30) seconds, the interior lights will turn off and the doors will auto lock.</p>
 <p><u>Trunk Safety Switch</u> - Open the trunk using the release inside the vehicle.</p>	<p>The engine/remote start will turn off immediately.</p>
 <p><u>Car Find Feature</u> - Close the trunk and press the red car find / panic button on the transmitter. Repeat this process two (2) times.</p>	<p>The parking lights will flash and the horn will beep five (5) times. Subsequent presses within five (5) seconds of the first press will beep the horn slightly louder.</p>
 <p><u>Panic Feature</u> - Press and hold the red car find / panic button on the transmitter for three (3) seconds to activate. Press the red car find / panic button a second time to deactivate.</p>	<p>The parking lights will flash and the horn will beep for up to thirty (30) seconds.</p>
 <p><u>Quick Stop Feature</u> - Enter the vehicle, and close all doors. Start the vehicle with the ignition key. With the vehicle in park and foot off the brake pedal, press the start button on the transmitter one (1) time. Remove the key from the ignition and turn on the head lights using the switch.</p>	<p>Verify that the parking lights turn on and that the vehicle remains running. The driver's door only will unlock (if previously locked).</p> <p>The head lights will remain on for the entire fifteen (15) minute run time.</p>
 <p><u>Remote Engine Stop</u> - Press and hold the start button on the transmitter for three (3) seconds.</p>	<p>The engine/remote start and the head lights will turn off immediately.</p>

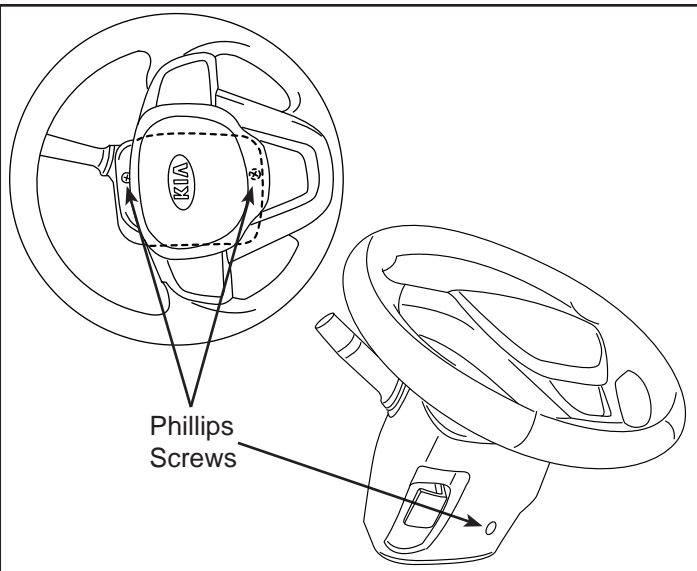


26

- NOTE**
1. Install one (1) provided tether clip, in the closed position, into the "A" pillar trim panel. Rotate clockwise until it locks into place.
 2. Reinstall the driver's side "A" pillar trim by engaging the two (2) retaining clips, one (1) tether clip and two (2) pressure clips.
 3. Reinstall the weatherstrip near the driver's side "A" pillar.



CAUTION! Do not lose the two (2) pressure clips or damage any airbag components.



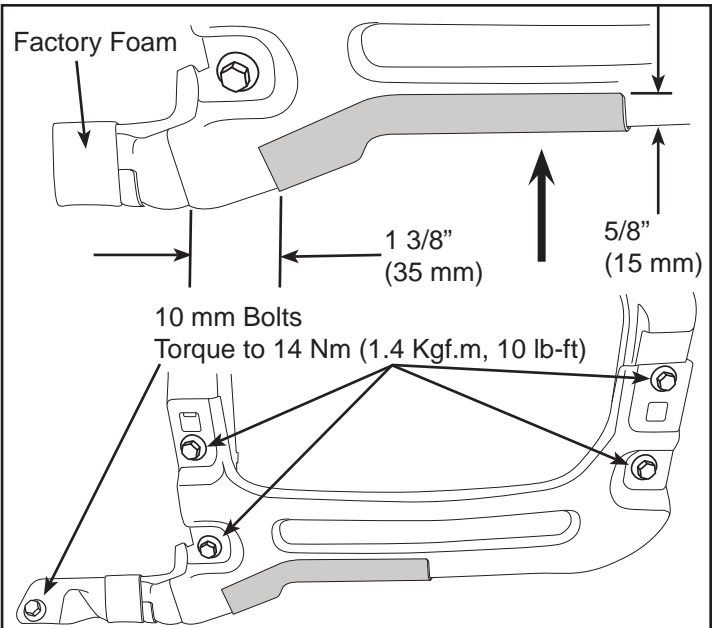
#2 Phillips Screwdriver

27

- NOTE**
1. Reinstall the lower steering column shroud around the steering column.
 2. Reinstall the three (3) #2 phillips screws securing the steering column shroud (one (1) underneath and two (2) behind the steering wheel). Turn the steering wheel for access, as shown above.**
- **NOTE:** To access screw mounting locations, insert key and turn to the ACC position, in order to prevent the steering wheel from locking.



Use care when securing the steering column shroud to avoid misalignment, which could cause unwanted noises when turning the steering wheel.



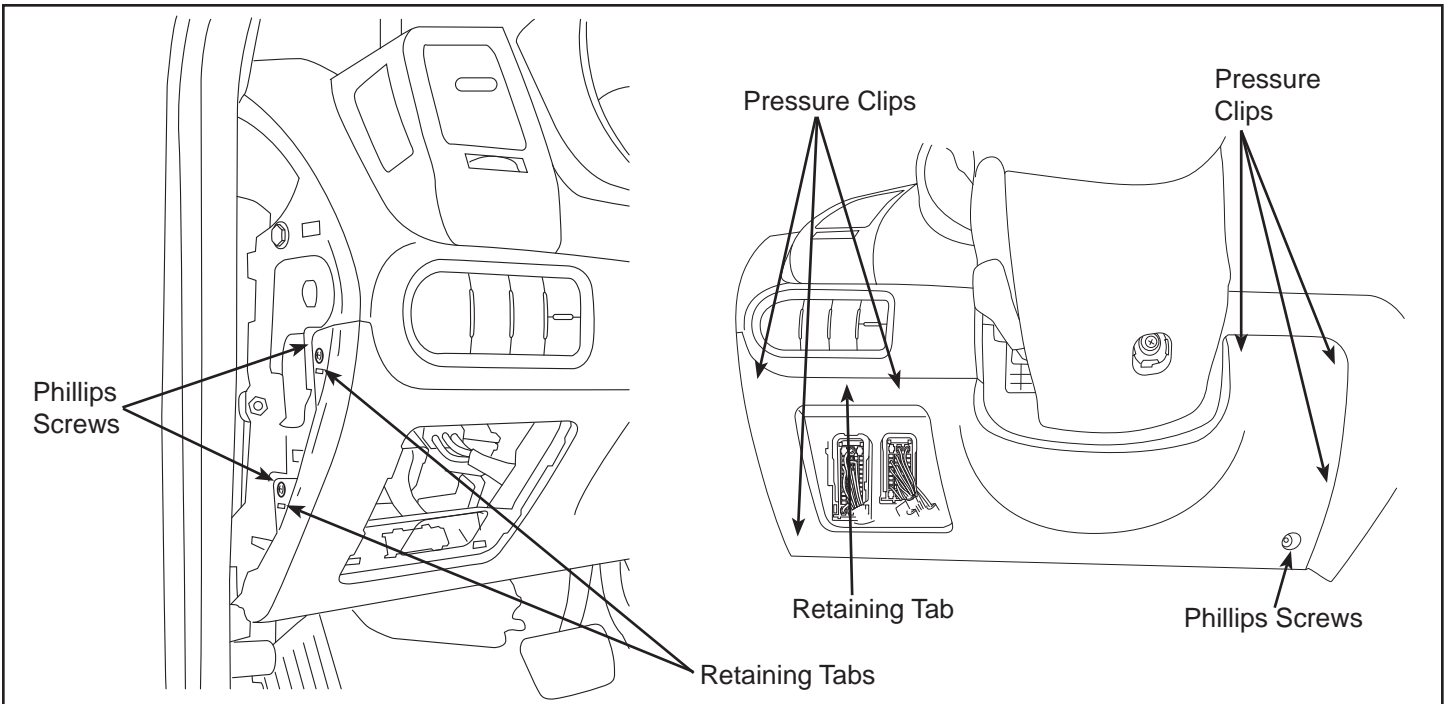
Tape Measure, Ratchet, Extension, 10 mm Socket and Torque Wrench

28

- NOTE**
1. Using the measurements shown above, wrap one (1) piece of large foam tape on the lower edge of the steel knee bolster panel.
 2. Reinstall the five (5) 10 mm bolts securing the steel knee bolster panel. Torque bolts to 14 Nm (1.4 Kgf.m, 10 lb-ft)



CAUTION! Ensure the large foam tape is properly installed to prevent the sharp edges from damaging/shorting the remote start harness.

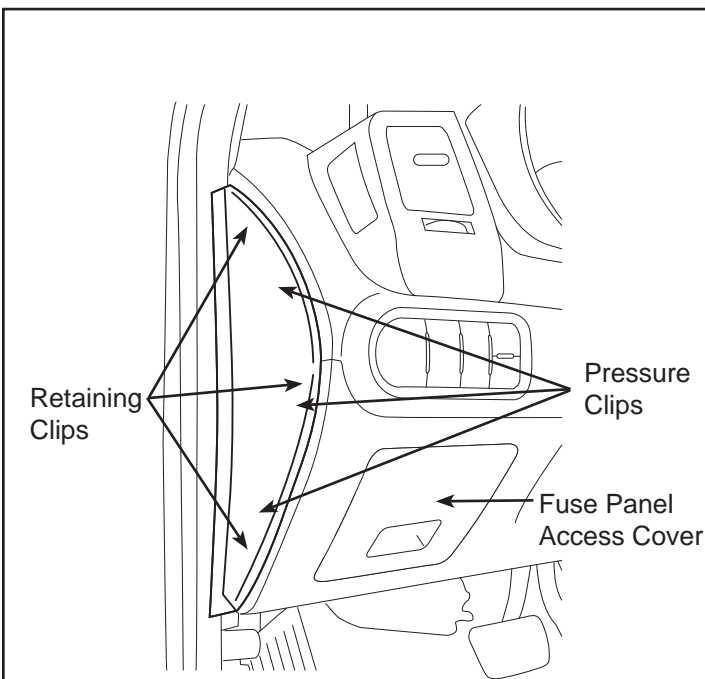


#2 Phillips Screwdriver

29

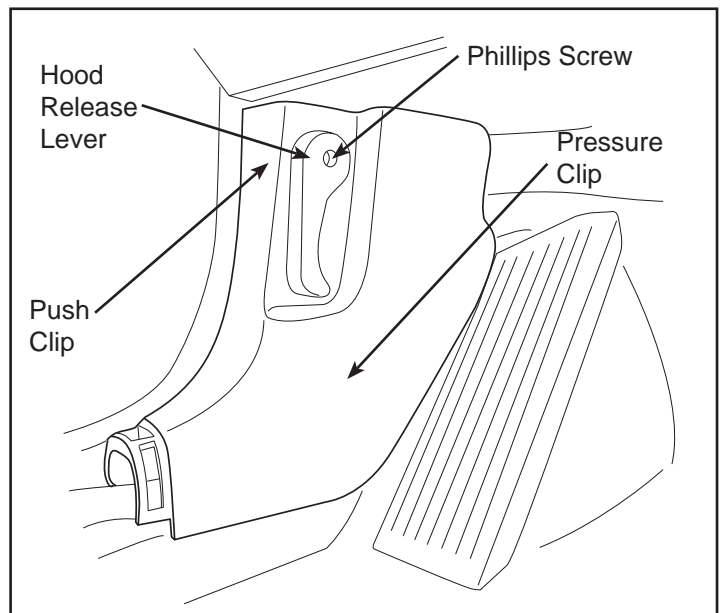
- NOTE**
1. Reinstall any connectors, including the OBDII connector that may have been removed from the lower dash finish panel.
 2. Reinstall the lower dash finish panel by engaging the six (6) pressure clips, three (3) retaining tabs and three (3) #2 phillips screws.

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 connectors are fully engaged and locked in place. An engine stall could cause serious physical injury or vehicle damage.



30

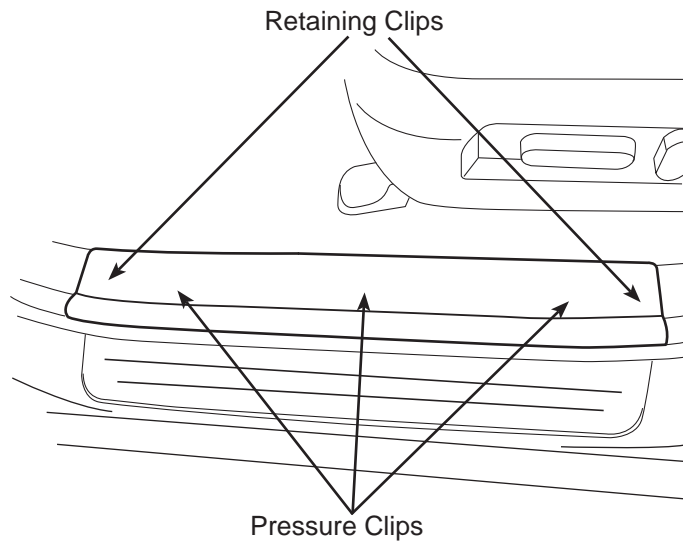
- NOTE**
1. Reinstall the driver's side dash end cap by engaging the three (3) pressure clips and the three (3) retaining clips.
 2. Reinstall the fuse panel access cover.



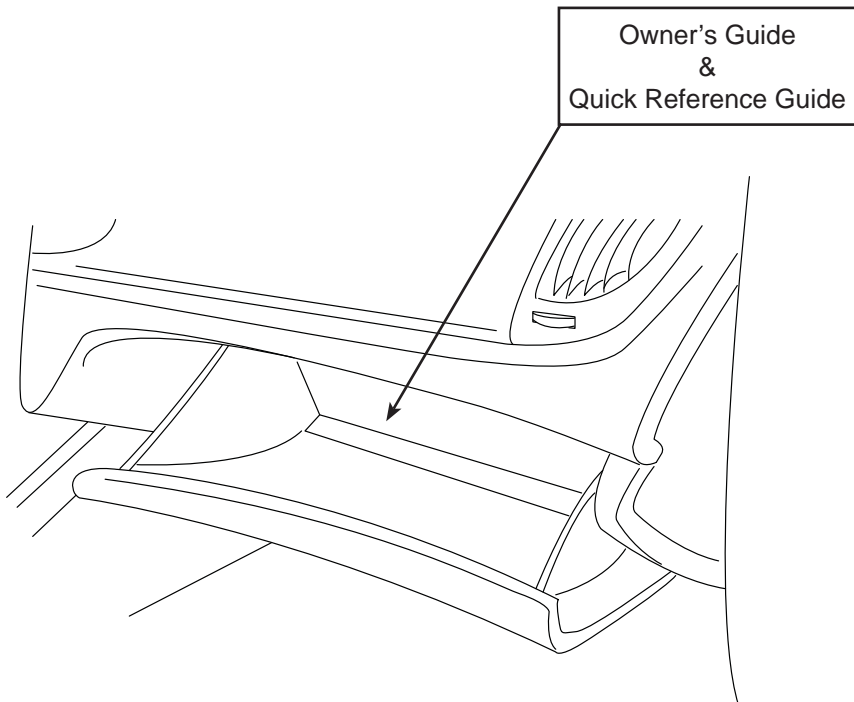
#2 Phillips Screwdriver

31

- NOTE**
1. Remove the hood release lever.
 2. Reinstall the driver's side kick panel. Secure with one (1) push clip and one (1) pressure clip.
 3. Reinstall the hood release lever by engaging the one (1) #2 phillips screw.
 4. Reinstall the weatherstrip near the driver's side kick panel.



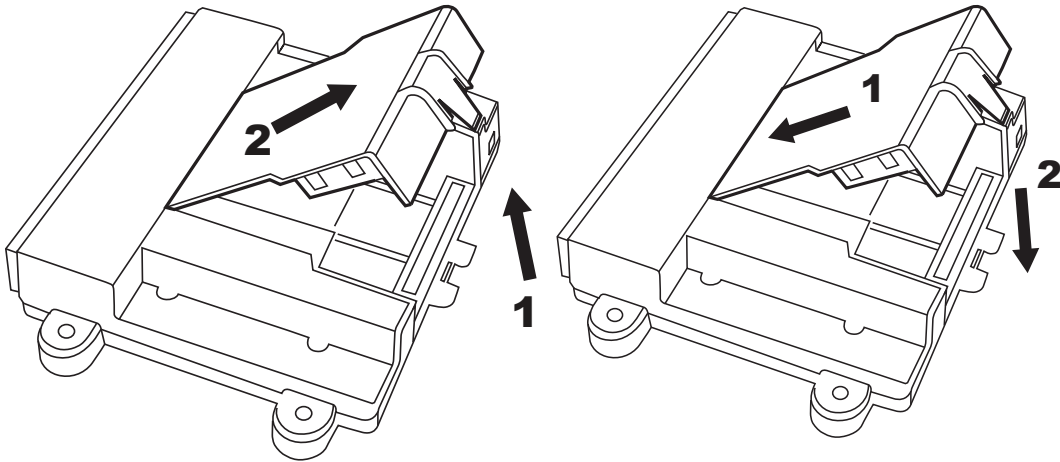
- NOTE** 1. Reinstall the driver's side front door step sill trim panel by engaging the three (3) pressure clips and two (2) retaining clips.



- NOTE** 1. Place the Owner's Guide and the Quick Reference Guide into the vehicle's glove box.

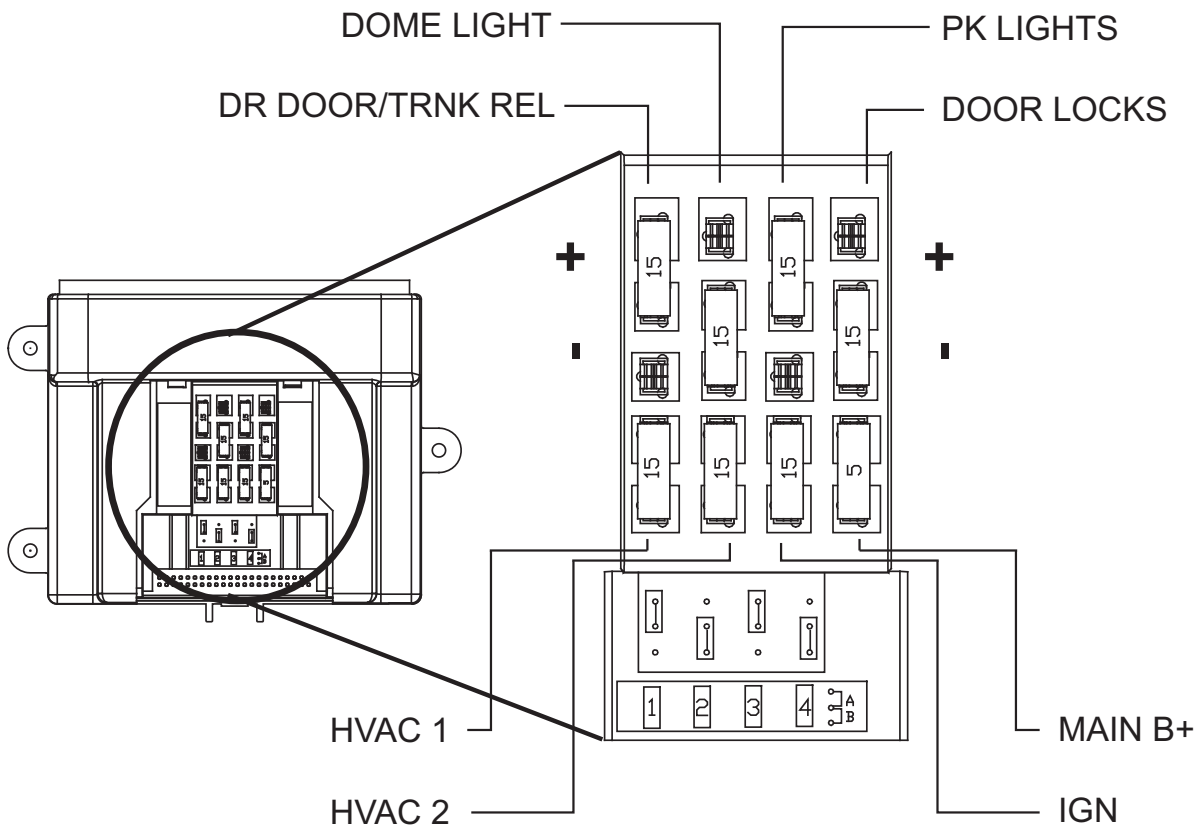
KIA Genuine Accessories Troubleshooting

Accessing the DNA Card










*Verify that both rows of multi-pin connectors are aligned and seated properly.








Correct Fuse and Jumper Positions



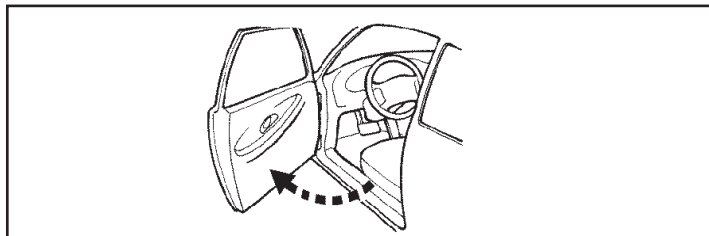
KIA Genuine Accessories Troubleshooting

Items To Be Checked	Results Of The Check	
 Vehicle will not automatically lock all doors after remote start activation.	Instruction Ref.	*Verify that the 6-pin male and female Key-In-Sense connectors are connected properly (Step 17). *Verify that the 32-pin male and female I/P-D connectors are connected properly (Step 21). *Verify that the fuse located under the DNA case top labeled "DOOR LOCKS" is good and installed properly per the Fuse and Jumper diagram in Troubleshooting. *Verify proper DNA installation.
	Steps 17 & 21	
 Vehicle will not unlock the driver's door, using the transmitter, during the remote start mode.	Instruction Ref.	*Verify that the 32-pin male and female I/P-F connectors at the back of the fuse panel are connected properly (Step 20).
	Step 20	
 Vehicle's dome lights do not turn on, during the remote start mode.	Instruction Ref.	*Verify that the correct remote start harness wire (Dome Light) was connected properly to the correct vehicle wire (Step 23). *Verify interior lamp switch is set to door position. *Verify that the fuse located under the DNA case top labeled "DOME LIGHT" is good and installed properly per the Fuse and Jumper diagram in Troubleshooting. *Verify proper DNA installation.
	Step 23	
 Vehicle will not unlock all doors, using the transmitter, during the remote start mode.	Instruction Ref.	*Verify that the 32-pin male and female I/P-D connectors are connected properly (Step 21). *Verify proper DNA installation.
	Step 21	
 Vehicle's parking lights do not flash.	Instruction Ref.	*Verify that the remote start harness wires (Left & Right Parking Light) are connected properly to the correct vehicle wires (Step 22). *Verify that the fuses located under the DNA case top labeled "PK LIGHTS" and "DR DOOR/TRNK REL" are good and installed properly per the Fuse and Jumper diagram in Troubleshooting. *Verify proper DNA installation.
	Step 22	
 Vehicle's horn does not honk when activating the car find or the panic feature.	Instruction Ref.	*Verify that the remote start harness wire (Horn) was connected properly to the correct vehicle wire (Step 23). *Verify proper DNA installation.
	Step 23	
 System does not respond to transmitter or poor operating range.	Instruction Ref.	*Verify that the antenna is mounted in the correct location (Steps 11 & 12). *Verify that the antenna is plugged into the back of the remote start module (Step 14) and that the antenna cable is NOT shorted along it's entire path. *Verify that the remote start harness ground wire was connected properly (Step 19). *Refer to Page 24 for Transmitter Programming and Battery Test Procedure.
	Steps 11, 12, 14 & 19	

KIA Genuine Accessories Troubleshooting

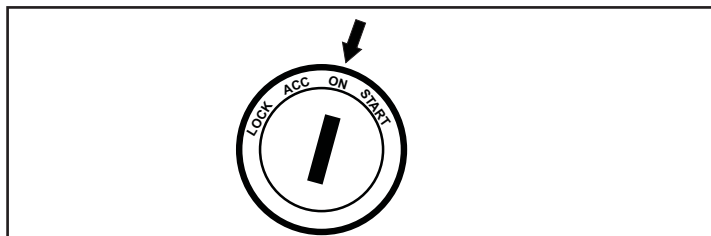
Items To Be Checked	Results Of The Check	
 Ignition turns on, horn honks two (2) times and vehicle does not start. Key-In-Sense activated.	Instruction Ref.	*Remove ignition key from ignition cylinder.
	Step 17	*Verify that the 6-pin male and female Key-In-Sense connectors are connected properly (Step 17).
 Horn honks two (2) times and vehicle does not start. Brake or Hood safety input activated.	Instruction Ref.	*Release the brake pedal and close the hood.
	Steps 18 & 22	*Verify that the 4-pin male and female brake switch connectors at the brake switch are connected properly (Step 18). *Verify that the correct remote start harness wire (Hood Ajar) was connected properly to the correct vehicle wire (Step 22).
 Horn honks three (3) times and vehicle does not start. Valet mode engaged.	Instruction Ref.	*Verify that the Valet Mode is not engaged - Refer to the Remote Start System Owner's Guide.
	Page 6 of Owner's Guide	
 Horn honks five (5) times and vehicle does not start. Trunk safety Input activated.	Instruction Ref.	*Close the vehicle's trunk.
	Step 21	*Verify that the 32-pin male and female I/P-D connectors are connected properly (Step 21).
 Headlights do not turn off thirty (30) seconds after deactivating the remote start using the transmitter (Headlight switch must be in the on position).	Instruction Ref.	*Verify that the 32-pin male and female I/P-D connectors are connected properly (Step 21).
	Step 21	
 Engine starts, but does not remain running during remote start operation.	Instruction Ref.	*Verify that the remote start harness wire (Alternator) was connected properly to the correct vehicle wire (Step 23).
	Step 23	Note: Ensure that the Alternator T-Tap and spade terminal are properly connected. Refer to Page 3 for T-Tap Installation Procedure.
 Vehicle's air conditioning / heater does not operate during the remote start mode.	Instruction Ref.	*Verify that the 6-pin male and female ignition switch connectors at the ignition switch are connected properly (Step 16).
	Step 16	*Verify the 5-pin relay is engaged properly to the relay socket on the remote start harness (Wrapped with large foam tape). *Verify that the fuses located under the DNA case top labeled "HVAC1" & "HVAC2" are good and installed properly per the Fuse and Jumper diagram in Troubleshooting. *Verify proper DNA installation. *Verify that the vehicle's HVAC is set to the ON position.

KIA Genuine Accessories Transmitter Programming Procedure



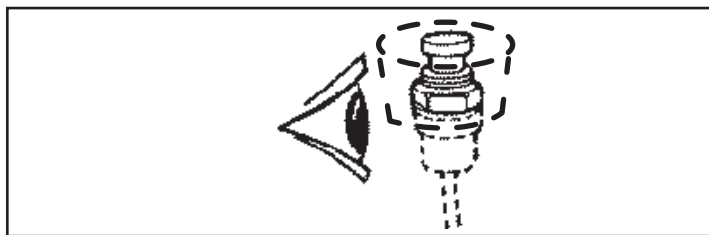
1

NOTE 1. Open the driver's door.



2

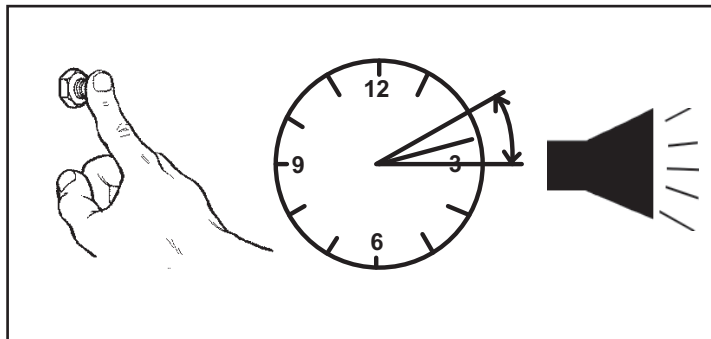
NOTE 1. Turn the vehicle's ignition to the "ON" position, do not start the engine.



3

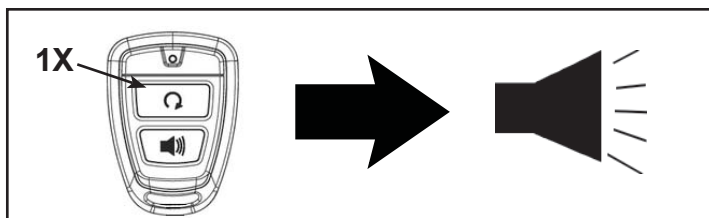
NOTE 1. Locate the programming button.

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



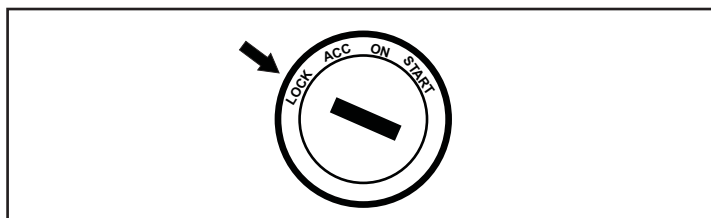
4

NOTE 1. Press and hold the programming button for ten (10) - fifteen (15) seconds, the horn will beep three (3) times.
2. Release the programming button.



5

NOTE 1. Press the START button one (1) time, the horn will beep one (1) time indicating that the transmitter code has been learned.
2. Repeat this process for each additional transmitter.



6

NOTE 1. Turn OFF the vehicle's ignition.

Transmitter Battery Test Procedure

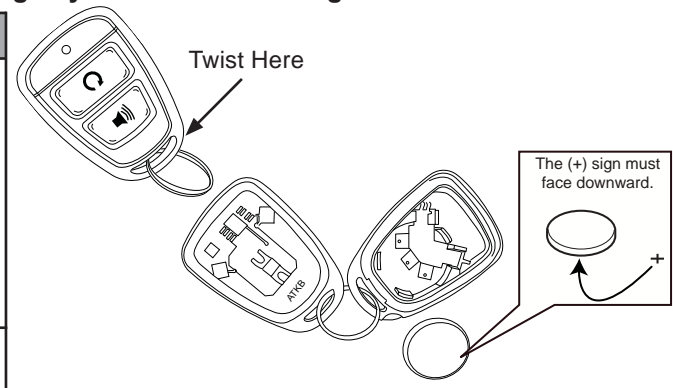
Recycle or dispose of the old battery according to your local laws or regulations.

1

NOTE

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

Note: It is not necessary to reprogram the transmitter after battery replacement.



2014~ KIA FORTE REMOTE START WIRING DIAGRAM

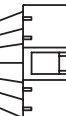
CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	PARK LT	20 BR
2	D-FRONT-12	20 PK/BK
3	DOME	20 YL/BK
4	IGN-5	12 RD
5	GRD	16 BK
6	STARTER INTERLOCK (KEY SIDE)	15 BK
7	STARTER INTERLOCK (MODULE SIDE)	15 GN/RD
8	IGN-3	20 GN
9	DISARM INPUT	20 YL
10	DOOR TRIGGER PULL-UP	20 YL
11	ARM INPUT	20 BK
12	UNLOCK SWITCH SENSE INPUT	20 BK
13	TRUNK REL/REV DIR UNLK REL OUTPUT	20 DR/BK
14	D-FRONT-3	20 YL/RD
15	SIREN FEED	---
16	SIREN OUTPUT	---
17	BUCKRAMMING/OVERRIDE BUTTON	20 BR
18	HOOD OPEN SWITCH INPUT	20 GN
19	HOOD	20 GN
20	DOOR ALARM SWITCH INPUT	20 VT
21	HORN	22 BK
22	HORN OUTPUT	22 BK
23	LED	---
24	F-REAR-12	20 YL/VT

TO RES MODULE

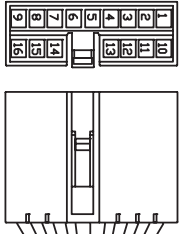
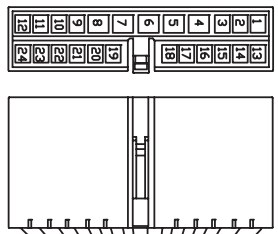


CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	IGN-5A	16 RD
2	IGN-1	12 GN
3	IGN-2	---
4	R1(B6)	16 BK/RD
5	IGN-6	12 BL
6	BRK-1	20 GV
7	NOT USED	---
8	KEY-IN-SENSE INPUT	20 GN/BK
9	TACH SENSE INPUT	---
10	ACTIVE OUTPUT	---

10-PIN CAR START HARNESS



TO RES MODULE

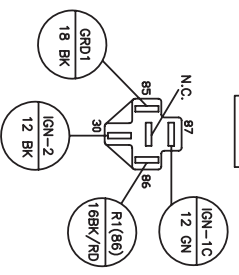


CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	DOOR LOCK SWITCH INPUT	---
2	DOOR UNLOCK SWITCH INPUT	---
3	DOOR UNLOCK SWITCH INPUT	20 PK
4	D-FRONT-17	---
5	NOT USED	---
6	TRUNK RELEASE DISARM INPUT	---
7	TRUNK ALAR INPUT	20 GN
8	D-FRONT-5	---
9	TRUNK REL/DIRS DIR UNLK SV INPUT	20 BR
10	D-FRONT-16	---
11	HEADLIGHT OUTPUT/AUX 1	---
12	REAR DEFROST OUTPUT/AUX 2	---
13	MEMORY 2 OUTPUT/AUX 3	---
14	NOT USED	---
15	EXT SENSOR INPUT	---
16	NOT USED	---

16-PIN EXTENDED FUNCTION HARNESS

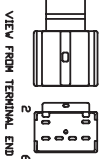
RED DIAGNOSTIC LED
TAPED TO HARNESS

RELAY SOCKET (HVAC1)
FOAM TAPED TO HARNESS



CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	KIS-1	20 BK
2	KIS-2	20 YL
3	KIS-3	20 YL/RD
4	KIS-4	20 BL/GN
5	KIS-5A	20 GN/BK
6	KIS-6	20 RV/BL

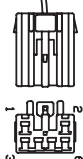
MALE 6-PIN KEY-IN-SENSE CONNECTOR



TO M45 CONNECTOR

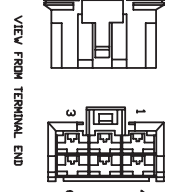
CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	KIS-1	20 BK
2	KIS-2	20 YL
3	KIS-3	20 YL/RD
4	KIS-4	20 BL/GN
5	KIS-5B	20 GN/BK
6	KIS-6	20 RV/BL

FEMALE 6-PIN KEY-IN-SENSE CONNECTOR



CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	IGN-1A	12 BK
2	IGN-2A	12 BK
3	IGN-3A	12 GN/RD
4	IGN-4A	12 PK
5	IGN-5B	12 RD
6	IGN-6A	12 BL

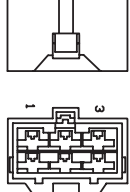
FEMALE 6-WAY IGNITION CONNECTOR - VEHICLE SWITCH SIDE



TO M03 CONNECTOR

CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA COLOR
1	IGN-1B	12 GN
2	IGN-2B	12 BK
3	IGN-3B	12 GN/RD
4	IGN-4B	12 PK
5	IGN-5C	12 RD
6	IGN-6B	12 BL

MALE 6-WAY IGNITION CONNECTOR - VEHICLE HARNESS SIDE



NOTE:
1. = CONTINUED ON NEXT DRAWING

