

Vehicle Model Forte (Push Button) Model Year 2014 ~ A7056 ADU10 Part No.

Accessory Difficulty

Remote Engine Start (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

damage.



Denotes warnings that may lead to serious physical injury or vehicle 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 neces-**≣**C sary to complete the step.

> Denotes instructional steps necessary to complete the process.



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 19.



Technical Support For Authorized Dealers - (800) 667-5176 Hours: 9:00 a.m. - 5:30 p.m. EST Monday - Friday







Hardware Kit Contents









С	
3	Small Foam Tape

Hardware Kit Total 32



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



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Vehicle Preparation

- 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 <u>DOES</u> have SMART KEY.
- 5. ENSURE THE TILT/TELESCOPIC STEERING WHEEL COLUMN IS FULLY EXTENDED AND LOCKED <u>BEFORE</u> INSTALLING THIS ACCESSORY.



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^{4.} Secure the excess antenna cable to the available module mounting hole with one (1) <u>small</u> wire tie. Trim off excess wire tie.

**NOTE: Ensure the green production tag attached to the remote start harness is NOT visible after installation.



















Immobilizer Programming Procedure



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 28 (Transmitter Programming and Battery Test Procedure).

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

Items To Be Checked	Results Of The Check
 Remote Engine Start - Make sure the hood, all doors and trunk are closed. Activate the remote start by pressing the start button two (2) times within three (3) seconds. NOTE: Ensure the factory Smart Key transmitter is inside the vehicle with the driver's window open. 	The doors will lock, the parking lights will flash and the horn will beep one (1) time, then the vehicle will crank and start. Once started, the parking lights will turn on and stay on signifying the engine is running.
Rear Defroster - Press the remote start button on the transmitter one (1) time while the vehicle is running.	The parking lights will flash one (1) time. Locate the rear defroster switch and verify that the indicator portion of the switch is illuminated.
Door Unlock/Interior Lamp - Press the unlock button on the factory Smart Key transmitter or press the but- ton on the driver's outside door handle one (1) time.	The hazard lights will flash two (2) times to indicate that the vehicle is disarmed, unlock the driver's door only and turn on the interior lamp for up to thirty (30) seconds.
	NOTE: Interior lamp switch must be set to the door position to illuminate.
Door Lock - Press the lock button on the factory Smart Key transmitter one (1) time.	The hazard lights will flash one (1) time to indicate that the vehicle is locked.
<u>All Door Unlock</u> - Press the unlock button on the factory Smart Key transmitter or press the button on the driver's outside door handle two (2) times within three (3) seconds.	The hazard lights will flash two (2) times to indicate that the vehicle is disarmed and unlock all doors.
NOTE: Smart Key transmitter must be in range to lock/unlock the doors.	
Hood Safety Switch - Open the driver's door and temporarily reinstall the hood release lever to release the hood.	The engine/remote start will turn off immediately.
	The hood should not have to be lifted to activate the hood safety switch.
Trunk Safety Switch - Close the hood and all doors. Activate the remote start by pressing the start button two (2) times within three (3) seconds and proceed to the rear of the vehicle with a factory Smart Key transmitter.	The doors will lock, the parking lights will flash and the horn will beep one (1) time, then the vehicle will crank and start. Once started, the parking lights will turn on and stay on signifying the engine is running.
Open the trunk using the trunk release button located above the license plate area.	The engine/remote start will turn off immediately.
Car Find Feature - Close the trunk and press the red find/panic button on the remote start transmitter. Repeat this process two (2) times.	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.
Panic Feature - Press and hold the red find/panic button on the remote start transmitter for three (3) seconds to activate. Press the red find/panic button a second time to deactivate.	The parking lights will flash and the horn will beep for up to thirty (30) seconds.

KIA Genuine Accessories Function Check

Items To Be Checked	Results Of The Check
Pre-start shut down (Hood) - Press the unlock but- ton on the factory Smart Key transmitter. Open the driver's door, pull the hood release lever to release the hood and close the driver's door.	The hazard lights will flash two (2) times to indicate that the vehicle is disarmed and unlock the driver's door only.
Attempt to activate the remote engine start.	The horn will beep two (2) times and the remote start will not attempt to start the vehicle since it detects the hood is open.
Pre-start shut down (Trunk) - Close the hood and proceed to the rear of the vehicle with a factory Smart Key transmitter.	The horn will beep five (5) times and the remote start will not attempt to start the vehicle since it detects the trunk is open.
Open the trunk using the trunk release button located above the license plate area and attempt to activate the remote engine start.	
Pre-start shut down (Door) - Close the trunk and press the unlock button on the factory Smart Key transmitter.	The hazard lights will flash two (2) times to indicate that the vehicle is disarmed and unlock the driver's door only.
Open the driver's door and attempt to activate the remote engine start.	The horn will beep six (6) times and the remote start will not attempt to start the vehicle since it detects a door is open.
Remote Engine Start / Take Over - Exit the vehicle and ensure the engine hood, all doors and trunk are closed. Activate the remote start by pressing the start button two (2) times within three (3) seconds.	The doors will lock, the parking lights will flash and the horn will beep one (1) time, then the vehicle will crank and start. Once started, the parking lights will turn on and stay on signifying the engine is running.
Press the unlock button on the factory Smart Key transmitter one (1) time.	The hazard lights will flash two (2) times to indicate that the vehicle is disarmed and unlock the driver's door only.
Open the driver's door and enter the vehicle with a factory Smart Key transmitter.	The "Key Out" light on the instrument cluster will flash.
Wait for the "Key Out" light to turn OFF on the instrument cluster.	The "Key Out" light on the instrument cluster turns OFF.
Press the brake pedal.	The parking lights will turn off and the vehicle will remain running.
Press the start button on the dashboard to turn off the engine.	The engine will turn off immediately.





E #2 phillips screws.



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Accessing the DNA Card





Issue / Concern		Items To Be Checked
System does not respond to transmitter.	Instruction Ref. Step 15	 *Verify that the antenna is plugged into the back of the remote start module (Step 15). *Refer to Page 28 for Transmitter Programming and Battery Test Procedure.
Poor operating range.	Instruction Ref. Steps 12, 13, 14 & 15	 *Verify that the antenna is mounted and routed in the correct location (Step 12, 13 & 14). *Verify that the antenna is plugged into the back of the remote start module (Step 15).
Vehicle will not lock/unlock using the factory Smart Key transmitter during remote start mode.	Instruction Ref. Steps 21 & 26	 *Verify that the 24-pin male and female M13-A connectors at the Smart Key module are connected properly (Step 26). *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 all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module.
Vehicle's dome light does not turn on after pressing unlock on the factory Smart Key transmitter.	Instruction Ref. Steps 20, 21 & 26	 *Verify that the correct remote start harness wire was connected properly to the correct vehicle wire at the MF11 connector (Step 20). *Verify that the 24-pin male and female M13-A connectors at the Smart Key module are connected properly (Step 26). *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 all four (4) connectors at the remote start CAN module are connected properly (Step 21).
Vehicle's parking lights do not flash.	Instruction Ref. Step 19	 *Verify that the correct remote start harness wires were connected properly to the correct vehicle wires at the I/P-B connector (Step 19). *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 into module.
Vehicle's horn does not beep when activating the car find or the panic feature.	Instruction Ref. Step 20	*Verify that the correct remote start harness wire was connected properly to the correct vehicle wire at the EM11 connector (Step 20). *Verify proper DNA installation into module.
Rear defroster does not work.	Instruction Ref. Step 19	*Verify that the correct remote start harness wire was connected properly to the correct vehicle wire at the I/P-B connector (Step 19).

Issue / Concern		Items To Be Checked
Headlights do not turn off, thirty (30) seconds after deactivating the re- mote start (Headlight switch must be in the AUTO or ON position).	Instruction Ref. Step 18	*Verify that the 32-pin male and female I/P-D connectors are connected properly (Step 18).
Vehicle starts but the factory security system was triggered.	Instruction Ref. Step 18	*Verify that the 32-pin male and female I/P-D connectors are connected properly (Step 18).
Vehicle's air conditioning/heater does not operate during remote start mode.	Instruction Ref.	*Verify that the fuses located under the DNA case top labeled "HVAC1" and "HVAC2" are good and installed properly per the Fuse and Jumper diagram in Troubleshooting. *Verify proper DNA installation into module.
Vehicle starts, but does not remain running (may retry up to three (3) times).	Instruction Ref. Steps 20 & 21	 *Verify that the correct remote start harness wire was connected properly to the correct vehicle wire (Alternator Wire) at the EM11 connector (Step 20). *Verify all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module. Note: Ensure that the T-Tap and spade terminal are connected properly. Refer to Page 3 for T-Tap
Horn beeps two (2) times and vehicle does not start. Brake switch / Hood switch safety input activated.	Instruction Ref. Steps 22 & 26	 *Verify that the 4-pin male and female E18 brake switch connectors at the brake switch are connected properly (Step 22). *Verify that the 24-pin male and female M13-A connec- tors at the Smart Key module are connected properly (Step 26). *Verify all four (4) connectors at the remote start CAN module are connected properly.
Horn beeps three (3) times and vehicle does not start. Valet mode activated.	Owner's Guide Page 7	*Verify that the Valet Mode is not engaged - Refer to the Remote Start System Owner's Guide.
Horn beeps five (5) times and vehicle does not start. Trunk switch safety input activated.	Instruction Ref. Steps 21 & 26	 *Verify that the 24-pin male and female M13-A connectors at the Smart Key module are connected properly (Step 26). *Verify all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module.
Horn beeps six (6) times and vehicle does not start. Door switch safety input activated.	Instruction Ref. Steps 21 & 26	 *Verify that the 24-pin male and female M13-A connectors at the Smart Key module are connected properly (Step 26). *Verify all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module.

Issue / Concern		Items To Be Checked
System remote starts the vehic but does not perform a sucessf takeover.	le, ul Instruction Ref. Steps 21 & 26	 *Verify a valid factory Smart Key is present during the takeover procedure and that the "Key Out" light turns off before pressing the brake pedal. *Verify that the 20-pin male and female M13-B connectors at the Smart Key module are connected properly (Step 26). *Verify all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module.
System does not remote start to vehicle. <u>CAN Module LED status during</u> remote start attempt: *LED flashes RED continuously	ne Instruction Ref. Steps 21, 26 & 28 La	 *Verify that the 24-pin male and female M13-A connectors at the Smart Key module are connected properly (Step 26). *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 all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module.
System does not remote start to vehicle. <u>CAN Module LED status during</u> remote start attempt: *LED is solid RED continuously	ne Instruction Ref. Steps 21, 26 & 28	 *Refer to Page 18 for Immobilizer Programming Procedure (Step 28). *Verify that the 24-pin male and female M13-A connectors at the Smart Key module are connected properly (Step 26). *Verify all four (4) connectors at the remote start CAN module are connected properly (Step 21). *Verify proper DNA installation into module.





Transmitter Battery Test Procedure





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