### KIT CONTENTS

- Remote Engine Start Control Module (ECU) Quantity=1
- Pre-Arranged Jumper Wiring Harness Quantity=1
- Remote Engine Start Transmitters w/ Warning Tags Quantity=2
- Under Hood Warning Label Quantity=1
- Quick Reference Card Quantity=1 English, 1 French
- 10mm Hex Flange Nut Quantity=2
- Tie Wrap 39cm Quantity=4

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

### TOOLS REQUIRED

- Torque Wrench
- Panel Removal Tool
- Wire Cutters
- Ratchet, 10mm Socket & Extension
- Alcohol and Towel
- SSTM4 (DST-i) Diagnostic Interface and Network-Enabled Laptop

### MEANING OF CHARACTERS

- : Remove
- : Install
- : Disconnect
- : Connect
- : Location of Clip or Screw
- T : Tighten Torque
- : Loosen
- : Discard
- : Re-use

**CAUTION: DO NOT SECURE ANY REMOTE START HARNESSSES TO ANY YELLOW HARNESSES / CONNECTORS (AIRBAG SYSTEM) IN THE VEHICLE.**
1. Using a 10mm socket/ratchet, disconnect the negative battery cable. (FIGURE A)
   **NOTE:** Do not disconnect the battery terminal from the battery post.

2. Open the glove box and press inward on the sides of the glove box to disengage the retaining tabs from the glove box inner cover. Disconnect the strut to remove the glove box. (FIGURE B)

3. Using a panel removal tool, carefully press downward to disengage three (3) pressure clips to remove the passenger’s side under dashboard finisher panel. (FIGURE C)
5 PRE-ARRANGED JUMPER HARNESS CONNECTIONS

1. Locate and release the vehicle’s 2-pin power window interrupt pre-fit connectors secured to the vehicle’s wire harness with breakaway tape near the upper right passenger’s side glove box area. (FIGURE D)

2. When the vehicle’s 2-pin power window interrupt pre-fit connectors are free from the breakaway tape, unplug and discard the 2-pin mating connector/wire jumper. (FIGURE E)

3. Plug the 2-pin power window interrupt pre-fit connectors together to complete the circuit. (FIGURE F)

4. Secure the 2-pin power window interrupt pre-fit connectors to the vehicle’s wire harness with one (1) of the supplied 39cm tie wraps. Trim off the excess tie wrap. (FIGURE G)
5. Locate and release the vehicle’s 12-pin and 8-pin pre-arranged harness connectors secured to the vehicle’s wire harness with breakaway tape near the upper left passenger’s side glove box area. (FIGURE H)

6. When the vehicle’s 12-pin and 8-pin pre-arranged harness connectors are free from the breakaway tape, route the harnesses down through the opening in the glove box inner cover. Plug the 12-pin and 8-pin pre-arranged harness connectors into the remote engine start jumper harness 12-pin and 8-pin connectors. (FIGURE I)

7. Route the remote engine start harness back through and behind the glove box inner cover. Plug the remote engine start jumper harness 12-pin and 8-pin connectors into the 12-pin and 8-pin white ports on the remote engine start ECU. (FIGURE J)
1. Locate the factory mounting bracket/studs near the upper left passenger’s side glove box area. (FIGURE K)

2. Using the two (2) supplied 10mm hex flange nuts, secure the remote engine start ECU/bracket to the factory bracket/studs, as shown. (FIGURE L)

3. Using a 10mm socket/torque wrench, tighten the 10mm hex flange nuts to 7.5 Nm +/- 2 Nm (0.76 Kgf-m +/- 0.2 Kgf-m, 5.5 ft-lbs +/- 1.5 ft-lbs).

   **NOTE:** Ensure the Remote Engine Start ECU connectors will be facing forward, toward the vehicle's dashwall.

4. Using two (2) of the supplied 39cm tie wraps, secure the pre-arranged jumper harness to the vehicle's wire harness above and below the pre-arranged harness connections, as shown. Trim off the excess tie wraps. (FIGURE M)
7 PANEL RE-ASSEMBLY

1. Re-install the passenger’s side under dashboard finisher panel by engaging the three (3) pressure clips.
2. Re-install the glove box and strut.
3. At the end of the installation, insert the Quick Reference Cards into the Owner’s Information Kit.

8 UNDER HOOD WARNING LABEL MOUNTING

1. Using alcohol, clean the top of the air intake plenum, near the radiator core support. 
   NOTE: Ensure the air intake plenum is completely dry.
2. Remove the release liner from the under hood warning label and secure to the top of the air intake plenum, as shown. (FIGURE N)

9 SYSTEM POWER-UP

1. After all the connections are complete, re-connect the vehicle’s negative battery cable. Using a 10mm socket/torque wrench, tighten the 10mm nut to 7.5 Nm +/- 2 Nm (0.76 Kgf-m +/- 0.2 Kgf-m, 5.5 ft-lbs +/- 1.5 ft-lbs).
2. Start the vehicle at least one (1) time using the ignition key prior to activating the remote engine start system. This is required to allow the vehicle’s electronic systems to re-synchronize.
3. With the vehicle running via the ignition key, verify that the instrument cluster airbag light turns off. If the airbag light remains on, refer to the vehicle service information for troubleshooting.
4. Refer to the vehicle Owner’s manual for the Power Window Reset Procedure to restore the power window functions.
SYSTEM REGISTRATION
ENSURE SOFTWARE VERSION IS REVISION 18.1.1 OR NEWER (JULY 2019 UPDATE)

NOTE: Once the Ignition is turned ON, the system will exit System Registration after 2 minutes.

DST-i SETUP

Plug the DST-i diagnostic plug into the vehicle’s diagnostic connector
Plug the DST-i USB plug into a Network-Enabled laptop
Select/Open the SSM4 software on the Network-Enabled laptop

REGISTRATION

1. PRESS IMMOBILIZER ETC. REGISTRATION AND PRESS SELECT

2. PRESS LEGACY AND PRESS SELECT

3. PRESS G TYPE FOR KEY START MODELS AND PRESS CONFIRMED

4. ENSURE THE IGNITION IS TURNED ON AND PRESS OK
NOTE: Once the Ignition is turned ON, the system will exit System Registration after 2 minutes.

REGISTRATION, continued

5. PRESS REMOTE ENGINE START CM REGISTRATION AND PRESS CONFIRMED

6. ENTER AUTHENTICATION KEY AND PRESS CONNECTION

7. PRESS YES TO EXECUTE REGISTRATION

8. CONFIRM IGNITION IS ON AND PRESS OK

WAIT FOR BIU TO COMMUNICATE WITH RES CONTROL MODULE

9. REGISTRATION SUCCESSFUL, PRESS OK

10. TURN OFF IGNITION AND PRESS OK
1. REMOTE ENGINE START- Make sure the key is removed from the ignition switch, the engine hood, all doors and trunk are closed. Press the START button on the remote start transmitter two (2) times within three (3) seconds. The vehicle’s parking lights should flash and the vehicle’s horn should honk one (1) time and then the vehicle should crank and start. Once started, the transmitter LED will flash two (2) times and the parking lights will turn on and stay on signifying the vehicle is running. The transmitter LED will flash one (1) time every three (3) seconds signifying the vehicle is still running.

NOTE: If the vehicle does NOT respond to the remote start transmitters, proceed to SECTION 12 for the TRANSMITTER PROGRAMMING procedure.

2. SHUT DOWN WITH DOOR OPENING - While the vehicle is running by the remote engine start, wait at least five (5) seconds and then confirm that all functions (lock, unlock & trunk, but not panic) operate properly on the FACTORY transmitter. Once the FACTORY transmitter functionality is confirmed, press the UNLOCK button on the FACTORY transmitter and open any vehicle door. The remote engine start should shut down and the transmitter LED should flash three (3) times indicating the system has shut down.

3. ACTIVATION WITH DOOR OPEN - Ensure the key is removed from the ignition switch and the engine hood and trunk are closed. Open the driver’s door, press the START button on the remote start transmitter two (2) times within three (3) seconds. The vehicle’s parking lights should flash and the vehicle’s horn should honk six (6) times. The vehicle should not start with any door or trunk opened.

4. BRAKE PEDAL SAFETY - While sitting in the vehicle with the engine hood, all doors and trunk closed, activate the remote engine start and press the brake pedal. The vehicle should shut off.

5. KEY-IN-SENSE - While sitting in the vehicle with the engine hood, all doors and trunk closed, insert the ignition key into the ignition switch, but keep it in the OFF position. Activate the remote engine start. The vehicle’s parking lights should flash and the vehicle’s horn should honk two (2) times. The vehicle should not start since the key is in the ignition switch. Remove the ignition key from the ignition switch.

6. HOOD SAFETY SWITCH - Open the engine hood and activate the remote engine start. The vehicle’s parking lights should flash and the vehicle’s horn should honk two (2) times. The vehicle should not start since the hood safety switch is activated.

7. HEATER / A/C FUNCTION - Using the ignition key, turn the ignition to the ON position. Preset the vehicle's heater or air conditioning to the ON position. Turn the ignition OFF and remove the ignition key. Activate the remote engine start and verify that the heater or air conditioning turns on to the preset setting for manual climate controlled vehicles or turns to the “Full Auto” setting for electronic climate control vehicles.

8. 15 MINUTE RUN TIME - Activate the remote engine start and allow the system to run for the 15 minute preset run time. The remote engine start should shut down after 15 minutes (+/- 10 seconds).

9. TRANSMITTER FUNCTIONALITY VERIFICATION - Activate the remote engine start using both of the supplied single button remote start transmitters.
1. Open the driver’s door and enter the vehicle. The driver’s door must remain open throughout the entire programming process. Ensure all other vehicle doors, the engine hood and trunk are closed.

2. Verify that the transmission shifter is in the “park” position.

3. Turn the ignition “ON” then “OFF”, “ON” then “OFF”, “ON” then “OFF”, then back “ON” and leave on throughout the entire programming process. (ON/OFF ignition cycles must be completed within twenty (20) seconds.)

4. The system will flash the side marker lights, taillights and parking lights and honk the horn three (3) times indicating that the system has entered transmitter learn mode.

5. Press and hold the button on the transmitter to be learned for three (3) seconds until the system flashes the side marker lights, taillights and parking lights and honks the horn one (1) time, indicating that the system has learned the transmitter. Release the button. Upon successful programming, the remote start transmitter may flash/beep one (1) time.

6. Repeat step five (5) for additional transmitters. The system will accept up to eight (8) transmitters.

7. Turn the ignition OFF to exit transmitter learn mode.

8. Return to SECTION 11 to perform the POST INSTALLATION CHECKLIST.

NOTE: The system will exit the transmitter learn mode if the ignition is turned OFF, the driver’s door is closed or thirty (30) seconds of inactivity.