REMOVAL AND INSTALLATION

Vehicle Security Module (VSM)

Special Tool(s)

| Worldwide Diagnostic System (WDS) |
| Vehicle Communication Module (VCM) with appropriate adapters, or equivalent diagnostic tool |

ST2332-A

Removal

**NOTICE:** The steps included in the vehicle security module removal and installation procedure are critical to restoring the vehicle security and tire pressure monitoring systems to normal operation. A new vehicle security module is delivered in manufacturing mode with 6 pre-set diagnostic trouble codes (DTCs) related to the tire pressure monitoring system (TPMS). The presence of these DTCs requires the installation procedures be followed in order to clear the DTCs and enable normal vehicle security module operations.

1. **NOTE:** Prior to the removal of the vehicle security module, it is necessary to upload the module configuration information to the diagnostic tool. This information must be downloaded to the new vehicle security module after installation. For additional information, refer to Section 418-01.

   Disconnect the battery. For additional information, refer to Section 414-01.

2. Remove the pin-type retainer and the RH A-pillar lower trim panel.

3. Remove the glove compartment. For additional information, refer to Section 501-12.

4. Disconnect the 3 electrical connectors.

5. Remove the 2 screws and the vehicle security module.

Installation

1. Position the vehicle security module and install the 2 screws.

2. Connect the 3 electrical connectors.

3. Position the RH A-pillar lower trim panel and install the pin-type retainer.

4. Install the glove compartment. For additional information, refer to Section 501-12.

5. Connect the battery. For additional information, refer to Section 414-01.
6. **NOTE:** When successful, this step provides the calibration necessary for vehicle security module operation and clears DTC B2477. The clearing of the DTC indicates the calibration data has been successfully downloaded to the vehicle security module.

   Download the vehicle security module configuration information from the diagnostic tool to the vehicle security module. For additional information, refer to Section 418-01.

7. **NOTE:** When successful, this step clears DTCs B2868, B2869, B2870 and B2871. The clearing of these DTCs indicates the vehicle security module has recognized the tire pressure sensors during the training procedure.

   Train the tire pressure sensors. For additional information, refer to Section 204-04.

8. Clear the DTCs.

9. **NOTE:** This step is required to clear DTC C2780, cause the vehicle security module to exit the manufacturing mode, and to be sure there are no other concerns with the newly programmed vehicle security module.

   Carry out the vehicle security module on-demand self-test.