Spare Key Programming — Using Diagnostic Equipment

Special Tool(s)

ST2834-A	Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool

NOTE: This procedure is used when a customer needs to have an additional key programmed into the vehicle without erasing stored key codes, but does not have 2 programmed keys available. This procedure is also useful when attempting to determine if an ignition key is defective, as a new key can be installed without erasing keys or without having 2 programmed keys available.

NOTE: Before programming, the new key must have the correct mechanical cut for the ignition lock cylinder.

NOTE: If 8 keys are already programmed, this procedure does not allow any more ignition keys to be programmed. The number of keys that are programmed into the Passive Anti-Theft System (PATS) can be determined by viewing the PCM N_KEYCODE PID.

1. Turn the unprogrammed PATS key from the OFF position to the ON position.

2. From the scan tool, enter TOOLBOX. Select BODY-SECURITY-PATS Functions and follow the on-screen instructions to ENTER SECURITY ACCESS. For additional information, refer to Anti-Theft Security Access in this section.

3. **NOTE:** Make sure the selection made is "PROGRAM" (Program additional ignition key). If the "ERASE" (Ignition Key Code Erase) selection is made, all of the keys will be erased from the system.

   From the scan tool menu select "Program additional ignition key" and follow the on-screen instructions.

4. Turn the key to the OFF position and disconnect the scan tool.

5. Start the vehicle with the new PATS key. The vehicle will now start with the new PATS key and also with the original PATS keys.