Spare Key Programming — Unlimited Key Mode

Special Tool(s)

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

Enabling Unlimited Key Mode

NOTE: Unlimited key mode is intended for use by those customers who need more than 8 keys for their vehicle.

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

NOTE: The unlimited key mode is set up by creating a special, unique unlimited transponder security key code and programming this key code into all of the vehicle keys so they contain the same key code.

1. The customer must choose an 8-digit number (except for 00000000 or 00000001) to be programmed into all of their vehicles keys (or, to all of the keys they want programmed to one vehicle). All customer vehicles keys (or all keys for one vehicle) need to use the same number. Valid digits are 0-9 and the letters A-F.

2. **NOTE:** If the PID UNL_KEY_ID is not available, unlimited key mode is turned on, and must be turned off before viewing the stored code. At this time, unlimited keys may be programmed to the vehicle. To view/change the stored code, follow the procedure for disabling the unlimited key mode below.

   Monitor the PID UNL_KEY_ID and compare its value against the code chosen in Step 1. It should not be the same key code.

3. 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.

4. Once in security access, select "program unlimited key code" and press the tick mark. Enter the 8-digit code chosen by the customer in Step 1 of this procedure and press the tick mark.

5. Select "unlimited key mode ON" and press the tick mark.

6. Select "Ignition Key Code Erase" and press the tick mark.

7. Disconnect the scan tool and turn the ignition switch to OFF.

8. Insert the first PATS key into the ignition lock cylinder and turn the key to the ON position for 3 seconds.

9. Turn the first PATS key to the OFF position and remove the key from the ignition lock cylinder.

10. Insert the next PATS key into the ignition lock cylinder and turn the key to the ON position for 3 seconds.

11. If it is desired to program an additional key(s), refer to Key Programming Using Two Programmed Keys in this section for each additional key that needs to be programmed.

Disabling Unlimited Key Mode

NOTE: By disabling the unlimited key mode, the previous access code no longer operates the vehicle.

1. 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.

2. Select "unlimited key mode OFF" and press the tick mark.

3. Select "Ignition Key Code Erase" and press the tick mark.

4. Disconnect the scan tool and turn the ignition switch to OFF.

5. Insert the first PATS key into the ignition lock cylinder and turn the key to the ON position for 3 seconds.

6. Turn the first PATS key to the OFF position and remove the key from the ignition lock cylinder.

7. Insert the next PATS key into the ignition lock cylinder and turn the key to the ON position for 3 seconds.

8. **NOTE:** With the unlimited key mode turned off, a maximum of 8 keys can be programmed into the PCM using the Key Programming Using Two Programmed Keys procedure in this section. The PID SPAREKEY must be enabled.

   If it is desired to program an additional key(s), refer to Key Programming Using Two Programmed Keys in this section for each additional key that needs to be programmed. The SPAREKEY PID must be enabled.