Key Programming Using Two Programmed Keys

NOTE: This procedure works only if 2 or more programmed ignition keys are available. If 2 programmed keys are not available, refer to Key Programming Using Diagnostic Equipment in this section.

NOTE: The SPAREKEY PID must be enabled for this procedure to operate. If this PID is not enabled, refer to Key Programming Switch State Control in this section, then select SPAREKEY programming switch ENABLED. The SPAREKEY PID is set to ENABLE when the vehicle is built.

NOTE: If the programming procedure is successful, the new key(s) starts the vehicle and the anti-theft indicator proves-out for approximately 3 seconds. If the programming procedure is not successful and the new key(s) does not start the engine, leave the key in the ON position for at least 3 seconds, then turn the key off. Repeat the key programming procedure from Step 1. If the failure repeats, refer to Anti-Theft in the Diagnosis and Testing portion of this section to review the DTCs and carry out the appropriate pinpoint tests.

NOTE: A maximum of 8 Passive Anti-Theft System (PATS) keys can be programmed into the PCM during this programming procedure, but only if the SPAREKEY PID is ENABLED.

NOTE: A minimum of 2 PATS keys must be programmed into the PCM before the vehicle starts.

NOTE: If the vehicle is in unlimited key mode, this spare key programming procedure still functions. Any 2 keys that can start the vehicle can be used to program an additional unlimited key.

NOTE: If additional keys are to be programmed, and the remaining keys are with the customer, or are not available, instruct the customer to refer to the Owner's Literature for instructions on programming the remaining keys. In either case, the SPAREKEY PID must be enabled.

NOTE: If the steps are not carried out as outlined, the programming procedure ends.

NOTE: Ignition keys must have a correct mechanical key cut for the vehicle and must be PATS encoded keys (contain a transponder).

NOTE: This procedure is not necessary if only the PATS transceiver was replaced. Replacement of the transceiver does not erase the PATS key codes in the PCM.

1. Insert the 1st programmed key into the ignition lock cylinder and turn the key from the OFF position to the ON position (maintain the key in the ON position for a minimum of 3 seconds and less than 10 seconds).
2. Turn the key to the OFF position and remove the 1st key from the ignition lock cylinder.
3. Within 5 seconds of turning the key to the OFF position, insert the 2nd programmed key into the ignition lock cylinder and turn the key from the OFF position to the ON position (maintain the key in the ON position for a minimum of 3 seconds and less than 10 seconds).
4. Turn the 2nd key to the OFF position and remove the key from the ignition lock cylinder.
5. Within 10 seconds of turning the key to the OFF position, insert the unprogrammed key (the new key) into the ignition lock cylinder and turn the key from the OFF position to the ON position (maintain the key in the ON position for a minimum of 3 seconds and less than 10 seconds).
6. If it is desired to program additional key(s) (only up to 8 keys total can be programmed into the PCM), repeat Steps 1 - 5 for each additional key that needs to be programmed.
7. Start the vehicle with the new key(s).