

Antitheft and Alarm Systems: Programming and Relearning Using Two Programmed Keys

KEY PROGRAMMING USING TWO PROGRAMMED KEYS

NOTE:

- This procedure only works if 2 or more programmed ignition keys are available and it is desired to program additional key(s). If 2 keys are not available, follow the procedure in Key Programming Using Diagnostic Equipment.
 - PID SPARE_KY must be enabled for this procedure to operate. If this PID is not enabled, follow the security access procedure, refer to Anti-Theft Security Access and select SPARE KEY PROGRAMMING SWITCH: ENABLED. See: Anti-Theft Security Access
 - If the programming procedure is successful, the new key(s) start the vehicle and the THEFT indicator illuminates for approximately **3 seconds**.
 - If the programming procedure is not successful, the new key(s) will not start the vehicle and the THEFT indicator flashes. If the programming procedure was not successful, leave the ignition switch in the RUN position for at least **30 seconds** then repeat the key programming procedure from Step 1. If the failure repeats, refer to Diagnosis and Testing to review the DTCs and carry out pinpoint tests as necessary. See: Pinpoint Tests/Passive Anti-Theft System (PATS)
 - A maximum of 8 ignition keys can be programmed to a passive anti-theft system (PATS) equipped vehicle. If more are needed, refer to Unlimited Key Mode Programming. See: Switch State Control
 - If the steps are not carried out as described, the programming procedure ends.
 - Ignition keys must have correct mechanical key cut for the vehicle and must be the correct PATS encoded key for the vehicle.
 - If the vehicle is in unlimited key mode, this spare programming procedure still functions. Any 2 keys that can start the vehicle may be used to program in an additional unlimited key.
1. Insert a programmed ignition key into the ignition lock cylinder and turn the ignition switch from OFF to RUN (maintain the ignition switch in RUN for **3 seconds** but not longer than **10 seconds**).
 2. Turn the ignition switch to OFF and remove the first key from the ignition lock cylinder.
 3. Within **10 seconds** of turning the ignition switch to OFF, insert a 2nd programmed ignition key into the ignition lock cylinder and turn the ignition switch from OFF to RUN (maintain the ignition switch in RUN for **3 seconds** but not longer than **10 seconds**).
 4. Turn the ignition switch to OFF and remove the 2nd key from the ignition lock cylinder.
 5. Within **20 seconds** of turning the ignition lock cylinder to OFF, insert the unprogrammed ignition key (new key) into the ignition lock cylinder and turn the ignition switch from OFF to RUN (attempt to start the vehicle).
 6. If it is desired to program additional key(s), repeat the key programming procedure from the beginning.