Immobilizer or vehicle theft deterrent key learning procedures for some popular vehicles.

Chrysler Pacifica Town and Country PT Cruiser Sebring 300 Some other models **Dodge** Caravan Durango Magnum Neon Pickup Stratus **Jeep** Liberty Grand Cherokee Some other models	Programming is by DRB III scan tool or by "customer learn" mode. Customer learn mode requires at least two functioning Sentry keys. If no functioning Sentry keys are available, the DRB III scan tool and the vehicle PIN number are required for programming. Both the immobilizer and RKE are programmed with this procedure. Only a blank key transponder can be programmed. Once programmed, the key cannot be used in another vehicle. The customer learn mode will exit after each key is programmed. The complete procedure must be completed for each key to be programmed. A total of 8 keys can be programmed by the Sentry Key Remote Entry Module (4 on some models).	Customer Learn Mode: 1. Using a blank Sentry Key, cut the key to match the lock cylinder code. 2. Insert one of the two valid keys into the ignition and turn the ignition ON. 3. After 3 seconds, but before 15 seconds expire, turn OFF the ignition and remove the key. 4. Within 15 seconds insert the second valid key and turn the ignition ON. 5. Within 10 seconds a chime will sound and/or the indicator lamp will flash, indicating Customer Learn mode is active. 6. Within 60 seconds turn the ignition off, insert the blank Sentry key, and turn the ignition ON. 7. After about 10 seconds a single chime will sound and the indicator lamp will stay on solid for about 3 seconds; this indicates the key has been programmed.
Ford Taurus Some other models **Lincoln** Some models **Mercury** Grand Marquis Milan Montego	This procedure requires 2 or more programmed keys. If 2 programmed keys are not available a scan tool must be used. Maximum of 8 keys can be programmed. Repeat the complete procedure for each key to be learned. If the programming is not successful the Anti-Theft indicator will flash and the vehicle will not start. Leave the key ON for thirty seconds and then retry the procedure.	1. Using the first programmed key, turn the ignition from OFF to RUN. Leave the switch in RUN for at least 3 seconds but not more than 10 seconds. 2. Turn the switch to OFF. Within 10 seconds repeat step 1 with the second programmed key. 3. Turn the ignition switch OFF. 4. Within 20 seconds, insert the unprogrammed key and turn the ignition switch from OFF to RUN. 5. After 3 seconds, attempt to start the vehicle. If the programming is successful the vehicle will start and the Anti-Theft indicator will light for 3 seconds and go out.

Ford Crown Victoria Some other models	This procedure requires 2 or more programmed keys. If 2 programmed keys are not available a scan tool must be used. Maximum of 8 keys can be programmed. Repeat the complete procedure for each key to be learned. If the programming is not successful the Anti-Theft indicator will flash and the vehicle will not start. Leave the key ON for thirty seconds and then retry the procedure.	1. Using the first programmed key, turn the ignition from OFF to RUN. Leave the switch in RUN for one second. 2. Turn the switch to OFF. Within 5 seconds repeat step 1 with the second programmed key. 3. Turn the ignition switch OFF. 4. Within 10 seconds, insert the unprogrammed key and turn the ignition switch from OFF to RUN. 5. After 1 second, attempt to start the vehicle. If the programming is successful the vehicle will start and the Anti-Theft indicator will light for 3 seconds and go out.
General Motors **Passkey** **Passkey II** **(Except vehicles with BCM)**	THE Passkey decoder will learn the first pellet read when the decoder module is first installed. This learned value cannot be changed. A Passkey Interrogator special tool is needed to read key pellet resistance when replacing keys. The tool will read out a code number related to the pellet resistance. PELLET CODE RESISTANCE 1 402 2 523 3 681 4 887 5 1130 6 1470 7 1870 8 2370 9 3010 10 3740 11 4750 12 6040 13 7500 14 9530 15 11800	NEW DECODER MODULE: 1. Install the new decoder module. 2. Insert the key and start the vehicle to program the pellet code into the new module. DUPLICATE KEY 1. Use the Interrogator tool to read the existing key code. 2. Obtain a key with the matching pellet code and cut the key to match the original key. LOST KEY 1. The Interrogator tool must be used to determine the stored code. 2. Cut a blank key so that the ignition can be turned. 3. Access the lock cylinder 2 wire connector and connect it to the Interrogator. 4. Alternately select each of the 15 code positions on the Interrogator until the vehicle starts. This is then the correct pellet code. 5. Obtain the correct coded key and cut it to fit.

General Motors **Passkey II (Vehicles with BCM)**	On vehicles with a Body Control Module (BCM) the Passkey II pellet code is stored in the BCM. The BCM can learn the pellet code of a replacement key using a scan tool or this procedure. Make sure that the battery is fully charged. If the learning procedure is not successful check the system for codes and repair.	1. Insert the key to be learned and turn the ignition ON. Leave the switch ON for 11 minutes. The security lamp will be on or flashing during this time. 2. When the security lamp goes off turn the ignition OFF for 30 seconds. 3. Repeat step 1 two more times. 4. Turn the ignition OFF for 30 seconds. 5. Attempt to start the vehicle. The vehicle should start and run if the learn is successful.
General Motors **Passkey III Passkey III+**	Quick-Learn requires at least one programmed master (black) key. Keys can be learned with a scan tool. If no programmed master key is available the 30 minute Auto Learn procedure must be used. Auto Learn procedure will erase all learned keys. Make sure that the battery is fully charged. On vehicles with a driver information center (DIC) a "STARTING DISABLED DUE TO THEFT" message will display during the 10 minute timer.	QUICK LEARN 1. Insert a programmed master key and turn ON the ignition. 2. Turn the ignition OFF and remove the key. 3. Within 10 seconds insert the key to be learned and turn the ignition ON. 4. The key is now programmed. 30 MINUTE AUTO LEARN 1. Insert the new master key and turn ON the ignition. The SECURITY lamp should be on and then turn OFF after 10 minutes. 2. Turn the ignition OFF for 5 seconds. 3. Repeat steps 1 and 2 two more times. (30 minutes total). 4. Form the OFF position turn ON and START the vehicle. 5. The vehicle should start and run, indicating the key has been learned.

General Motors **Passlock** **(early systems)**	Passlock systems do not have coded keys. Replacement or new keys do not have to be learned. Early Passlock systems pass an "R" code to the instrument cluster and then the IPC sends a password on to the PCM. Perform this procedure if replacing the instrument cluster, lock cylinder, or PCM.	1. After parts are installed, attempt to start the vehicle. 2. The vehicle should start and stall. 3. Leave the key ON and wail until the flashing THEFT lamp stays ON steady. 4. Attempt to start the vehicle again. It should start and continue to run. 5. The THEFT lamp should flash for 10 seconds and then go out to indicate the password has been learned.
General Motors **Passlock** **(later models)**	Replacement or additional keys do not have to be learned. Programming is necessary if the Passlock sensor, BCM, or PCM has been replaced. A scan tool can also be used to program the Passlock system.	1. Turn the ignition ON and attempt to start the vehicle. 2. The vehicle will not start. Release the key to ON. Wait about 10 minutes for the SECURITY lamp to go OFF. 3. Turn OFF the ignition for 5 seconds. 4. Repeat steps 1 through 3 two more times. 5. For a fourth time turn the key on and start the vehicle. The vehicle should start and run, indicating that the lock code has been learned.
Honda	A programmed key, scan tool, and password are required to program keys.	1. Connect the scan tool and navigate to the ADD and DELETE KEYS menu. 2. Follow the instructions on the scan tool to add or delete keys as needed.
Hyundai	A scan tool can be used to program keys. A special ID key is needed to program new or additional keys.	1. Using the ID key, turn the ignition ON then OFF. 2. Using the key to be programmed, turn the ignition ON then OFF. This will program the key. 3. Repeat step 2 for any additional keys.

Toyota Camry Land Cruiser Some other earlier models	Up to 7 master (black) keys can be learned. An already learned master key must be used to initiate the procedure. Keys can also be programmed with a scan tool.	1. Insert a programmed master key into the ignition switch. 2. Within 15 seconds, press and release the accelerator pedal 5 times. 3. Within 20 seconds, press and release the brake pedal 6 times. 4. Remove the master key. 5. Within 10 seconds, insert the key to be programmed into the lock cylinder and press and release the accelerator pedal one time. 6. The SECURITY indicator should flash for about one minute and then go out to indicate that the key has been learned. 7. To program additional keys repeat steps 5 and 6 within 10 seconds.
Toyota Corolla Matrix Tacoma Sienna RAV4 Some other late models **Lexus** LS430 Some other models	Up to 5 keys can be learned. A scan tool should be used to register keys.	1. Insert a programmed master key into the ignition and turn the ignition ON. 2. Install the scan tool and navigate to the IMMOBILIZER, TRANSP CODE REG. screen. Follow the instructions on the scan tool. 3. The SECURITY indicator will turn ON. Within 20 seconds, remove the master key. 4. Within 10 seconds, insert the new key to be programmed. 5. The SECURITY indicator will blink for 60 seconds and then go OFF when the key is learned.