

# **\*Computer relearn instructions\***

## **Anti-theft password relearn procedure:**

Before your vehicle will start you will have to perform an anti-theft system password relearn procedure.

Put a battery charger on the vehicle on a 10 amp (or approximate) charge. If you do not have access to a battery charger install jumper cables to another vehicle that is left running the whole time. The battery must have charging assistance while the procedure is being done because the key will be on for 30+ minutes. It should not be done without battery assistance even if it has a new battery. If the voltage dips during the procedure it may not work.

Turn the key to the "crank" position as if you were trying to start the car for a second or two (the starter will not turn), then release the key and let it come back to the "On" position where the dash lights and gauges are on. Then leave the key on for at least 12 minutes (it does not matter if it is left on longer. Then turn the key off for at least 5 seconds (you do not take the key out of the ignition). Then you will repeat the process again. Turn the key to the crank position for a second or two, let the key come back to the "On" position, leave it on for at least 12 minutes, then turn the key off for at least 5 seconds. Repeat the process for the third and final time. Turn the key to the "crank" position for a second or two, leave the key on for at least 12 minutes, then turn the key off for at least 5 seconds. The vehicle should start now.

During the process you may see a message that says "starting disabled due to theft", that is normal and will go out once the security password has been learned.

If any part of the procedure was done incorrectly or interrupted you will have to start over from the beginning.

Sometimes even when everything has been done properly it may not work the first time and it may have to be tried again.

## **Crankshaft variation relearn procedure:**

Once the vehicle is running a crankshaft variation relearn procedure should be performed. This procedure is done through a professional type scan tool like a Snap-on or Tech II that is capable of doing this procedure. The vehicle may leave the service engine soon light on and it may have a fault P0315 stored. You will not be able to clear the code until the procedure has been performed. The vehicle will run normal until the procedure can be done but the service engine soon light may stay on. Most local auto repair shops should be able to do this procedure. The average cost is about \$50.00.

If your scan tool is not able to do the procedure you may have to use a Tech II (GM dealership scan tool). The Tech II is the only scan tool that we know for sure will do the procedure.