

## **ECU Accelerator Pedal Reset Procedure**

**Note** Timing is critical for this to work!

1. Turn the ignition switch to on. Dash gauges lit. Don't start the engine!
2. Wait 3 seconds.
3. Fully depress and release the accelerator pedal 5 times within 5 second.
4. Wait 7 to 10 seconds.
5. Fully depress the **accelerator** pedal for approximately 10 seconds. At this point the check engine light starts blinking quickly indicating Diagnostic Test Mode II (Self-diagnostic results) has started.
6. Release accelerator pedal and wait 5 to 10 seconds.
7. Fully depress the accelerator pedal for 10 seconds. At this point the check engine light should change to blinking slowly indicating "Erasing ECU Memory".
8. Release the accelerator pedal and turn the ignition switch to off.
9. Restart the engine. The check engine light should be out.

Note: If the check engine light doesn't blink as described in steps 5 & 7, then the ECU isn't reset.

\* If above didn't work, disconnect the battery negative and pump the brake to discharge the ECU capacitors. This method is almost foolproof as long as all ECU control parameters are within their normal ranges.

## **Resetting The Throttle Body Calibration (this step is conditional)**

**A Rough Idle or a SES can sometimes be caused by a change in the throttle body position sensor calibration. To correct any accidental changes in throttle body calibration, use these procedures to recalibrate.**

**Note: These procedures are a little tricky to do. You must get the timing just right Use a stop watch to help the precision of your timing.**

### **Accelerator Pedal Release Position Learning Procedure.**

- Make sure that the accelerator pedal is fully released.
- Turn ignition switch "ON" and wait at least 2 seconds.
- Turn ignition switch "OFF" wait at least 10 seconds.
- Turn ignition switch "ON" and wait at least 2 seconds.
- Turn ignition switch "OFF" wait at least 10 seconds.

### **Throttle Valve Closed Position Learning.**

1. Make sure that accelerator pedal is fully released:
  2. Turn ignition switch is "ON".
  3. Turn ignition switch is "OFF" wait at least 10 seconds.
- Make sure that the throttle valve moves during above 10 seconds by confirming the operating sound.

### **Idle Air Volume Learning (Throttle Position Learning)**

It's best to time with a watch/clock.

1. Perform "Accelerator Pedal Released Position Learning".
2. Perform "Throttle Valve Closed Position Learning".
3. Start engine and warm it up to normal operating temperature.
4. Turn ignition switch "OFF" and wait at least 10 seconds.
5. Confirm that accelerator pedal is fully released, turn ignition switch "ON" and wait 3 seconds.
6. Repeat the following (steps 7a, 7b) procedures quickly five times within 5 seconds.
  - 7a. Fully depress the accelerator pedal (HARD)
  - 7b. Fully release the accelerator pedal.
8. Wait 7 seconds, fully depress the accelerator pedal and keep it for approx. 20 seconds until the Check Engine Light (CEL) stops blinking and turned ON.
9. Fully release the accelerator pedal within 3 seconds after the CEL is ON.
10. Start engine and let it idle.
11. Wait 20 seconds.
12. Rev up the engine two or three times and make sure the idle speed and ignition timing are within the specifications.