

**Document ID# 1671918  
2005 Cadillac CTS**

---

# **Part Restriction on the ECM for 3.6 LY7 - keywords DTC idle instrument fuel gas gage gauge GMLAN MIL panel PCM PQC rough SES U1300 U1301 #PIP3393A - (Jun 9, 2005)**

Part Restriction on the ECM for 3.6 LY7

2005 Buick Allure (Canada Only), LaCrosse

2004-2005 Buick Rendezvous

2004-2005 Cadillac CTS, SRX

2005 Cadillac STS

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

## **Condition/Concern:**

Part Restriction on the ECM for the V-6 in the CTS, STS, SRX, Rendezvous and LaCrosse-Allure.

## **Recommendation/Instructions:**

Engineering Analysis of the returned ECMS had indicated a large number of ECMS that should have been reflashed rather than replaced. Please follow the directions below when doing a reflash.

ECM no communication or ECM fails to reprogram properly special instructions.

- If there is an issue with "no communication" with the ECM, or failure to program the module on any LY7 engines, please make sure to check the following before replacing the ECM.

- Is there a CANdi module on the tech 2 tool, as this controller uses the new GM-LAN communication protocol as well as the Class 2 protocol?
- If attempting to reprogram the module and you get a failure, make sure the engine is not running, as you will be locked out of programming while the engine shows any RPM above zero.
- Make sure the battery is fully charged (12V min.) before reprogramming.
- Turn off all accessories (head lights, HVAC, radio, etc.)

Additionally, it has been noted that the ALDL connector pin connections may have to be checked for proper engagement when using the TECH 2 ALDL plugs which have had severe usage, as contact maybe intermittent.

If there is communication with the ECM and there are NO fault codes, do not replace the ECM.

If there is communication with U1300 or U1301, check the Class II data link.

### **Key Stuck:**

- Check battery voltage (12V min.).
- Check for PRNDL light? If there is no PRNDL light, there is a Class II communication issue or no communication at all. If there is communication, check the transmission linkage before replacing the ECM.

Do not change the ECM for a customer complaint of gas gage in-op or stuck at ¼ tank.

Do not change the ECM for rough idle.

If you have followed the above directions and the published diagnosis lead you to still need an ECM please contact PQC at 1-866-654-7654.

The following part numbers are involved: 12592124, 12581144, and 12585814

We appreciate your cooperation with this program.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.