



Service Bulletin



SERVICE UPDATE

SUBJECT: Service Update for Inventory and Customer Vehicles
Rough Engine Idle
Expires with Base Warranty

MODELS: 2013 Cadillac ATS
Equipped with 4-Cylinder Engine (LTG/LCV)

This service update includes vehicles in dealer inventory and customer vehicles that return to the dealership for any reason. This bulletin will expire at the end of the involved vehicle's New Vehicle Limited Warranty period.

PURPOSE

This bulletin provides a service procedure to reprogram the engine control module (ECM) on **certain** 2013 model year Cadillac ATS vehicles, equipped with a 4-cylinder engine (LTG/LCV). Some customers have commented that the engine idles rough when the vehicle is at a stop or at the first startup after the vehicle has been sitting.

This service procedure should be completed as soon as possible on involved vehicles currently in dealer inventory and customer vehicles that return to the dealer for any type of service during the New Vehicle Limited Warranty coverage period.

VEHICLES INVOLVED

All involved vehicles are identified by VIN in the Global Warranty Management System – Investigate Vehicle History Application. Dealership technicians should always check this site to confirm vehicle involvement prior to beginning any required inspections and/or repairs. It is important to routinely use this tool to verify eligibility because not all similar vehicles may be involved regardless of description or option content.

Additionally, a list of involved vehicles currently in dealer inventory is available on the “Service Update Bulletin Information” link under the “Service” tab in GM GlobalConnect (US) or attached to the GlobalConnect message (Canada) used to release this bulletin. Customer vehicles that return for service, for any reason, and are still covered under the vehicle's base warranty should also be checked for vehicle eligibility.

PART INFORMATION

No parts are required for this update.

SERVICE PROCEDURE

Note: Do NOT attempt to order the calibration number from GM Customer Care and Aftersales. The calibration numbers required for this service procedure are programmed into control modules via a Multiple Diagnostic Interface (MDI) with the calibration update. Use **TIS2WEB on or after August 1, 2013**, to obtain the calibration. If you cannot access the calibration, call the Techline Customer Support Center and it will be provided.

The following criteria must be met before performing the programming or learning procedure:

- There are no charging system concerns. All charging system concerns must be repaired before programming a control module.
- Battery voltage is between 12–16 V. The battery must be fully charged before programming the control module.
- A battery charger is NOT connected to the vehicle battery. Incorrect system voltage or voltage fluctuations from a battery charger may affect programming or control module damage.
- Note the engine oil life remaining percentage.
- Turn OFF or disable any of the following systems that may put a load on the vehicle battery:
 - Twilight sentinel
 - Interior lights
 - Daytime running lights
 - HVAC systems
 - Radio
 - Engine cooling fans, etc
- The ignition switch is in the proper position. The scan tool prompts you to turn ON the ignition, with the engine OFF. DO NOT change the position of the ignition switch during the programming procedure, unless instructed to do so.
- All of the following tool connections are secure:
 - The connection at the data link connector (DLC)
 - The voltage supply circuits

DO NOT disturb the tool harnesses while programming. If an interruption occurs during the programming procedure, the control module programming may be affected or control module damage may occur.

To reprogram an existing ECM, perform the following procedure:

1. Connect a scan tool to the vehicle and access SPS. Refer to *Service Programming System (SPS)* in SI.
2. Perform the SPS function K20 Engine Control Module - Programming and follow the on-screen instructions.
3. Clear DTCs after completing the Programming procedure.

4. Perform the SPS Function Immobilizer Learn and follow the on-screen instructions. Refer to *Immobilizer System Component Programming* in SI.
5. Perform the SPS function Engine Control Module - Configuration & Setup and follow the on-screen instructions, if available.
6. Clear DTCs after completing the Configuration & Setup procedure.

WARRANTY TRANSACTION INFORMATION

Submit a transaction using the table below. All transactions should be submitted as a ZFAT transaction type, unless noted otherwise.

Labor Code	Description	Labor Time
9100113	Reprogram ECM	0.3

DEALER PROGRAM RESPONSIBILITY

Whenever a vehicle subject to this service update enters your vehicle inventory, or is in your facility for service in the future, and the vehicle is still covered under the New Vehicle Limited Warranty, you must take the steps necessary to be sure the service update correction has been made before selling or releasing the vehicle.

