GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4023
URGENT - DISTRIBUTE IMMEDIATELY

Date: May 04, 2016

Subject: 43190 - Service Update
Twin Turbo Engine Overboost

Models: 2016 Cadillac CT6 Equipped with 3.0 V6 Twin Turbo Engine
(RPO LGW)

To: All Cadillac Dealers

General Motors is releasing Service Update 43190 today. The total number of U.S. vehicles involved is 131. Please see the attached bulletin for details.

Global Warranty Management (GWM)
Due to internal warranty system upgrades taking place this week the Investigate Vehicle History (IVH) screen in the GWM system will be updated the week of May 9, 2016. Please hold all warranty transactions until the VIN appears in IVH.

A complete list of involved vehicles both in dealer new inventory and delivered to customers is attached to this message.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS

Service Update
43190 Twin Turbo Engine Overboost

Reference Number: N162043190
GWM Number: 2043190
Release Date: May 2016
Revision: 00

Attention:	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.

Make	Model	Model Year		RPO	Description
		From	To		
Cadillac	CT6	2016	2016	LGW	3.0L V-6 Twin Turbo

Involved vehicles are marked "open" on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	This bulletin provides a service procedure to reprogram the Engine Control Module (ECM) on certain 2016 model year Cadillac CT6 vehicles equipped with a 3.0L Twin Turbo (RPO LGW) Engine. Affected vehicles may illuminate the MIL indicator and be found to have DTC P0234 set. The vehicle may not accelerate as quickly compared to before the MIL illuminated. The vehicle is still able to accelerate, but has lesser performance than the Twin Turbo provides. The engine continues to start, idle and function in all other respects normally.
Correction	Dealers are to reprogram the Engine Control Module.

Parts

No parts are required for this procedure.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9102205	Engine Control Module Reprogramming with SPS	0.4	ZFAT	N/A

Service Procedure

Note: Carefully read and follow the instructions below.

- 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. If you cannot access the calibration, call the Techline Customer Support Center and it will be provided.
- Do NOT program a control module unless directed to by a service procedure or a service bulletin. If the control module is not properly configured with the correct calibration software, the control module will not control all of the vehicle features properly.
- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. When required, install the *EL-49642* SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- During the programming procedure, follow the SPS prompts for the correct ignition switch position.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.
- Note the engine oil life remaining percentage.

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1. Install *EL-49642* SPS programming support tool.
2. Access the Service Programming System (SPS) and follow the on-screen instructions.
3. Perform the SPS function K20 Engine Control Module - Programming and follow the on-screen instructions.
4. Clear DTCs after completing the Programming procedure.

Note: If vehicle fails to start during Configuration and Setup, perform the SPS Function Immobilizer Learn and follow the on-screen instructions.

5. Perform the SPS function Engine Control Module - Configuration & Setup and follow the on-screen instructions, if available.

Clear DTCs after completing the Configuration & Setup procedure.

Dealer 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.

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this bulletin must be held and inspected/repaired per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the tools, equipment, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your dealer for information on whether your vehicle may benefit from the information.

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