



Service Bulletin



SERVICE UPDATE

SUBJECT: Service Update for Inventory and Customer Vehicles
Turbo-to-Exhaust Manifold Joint May Relax
Expires with Base Warranty

MODELS: 2013 Cadillac ATS
2013 Chevrolet Malibu
Equipped with 2.0L Engine (LTG)

The service procedure in this bulletin has been revised to add Step 4, which instructs technicians to loosen the 4 turbocharger-to-exhaust manifold bolts prior to tightening them. Please discard all copies of bulletin 13013.

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 tighten all 4 exhaust manifold bolts on **certain** 2013 model year Cadillac ATS and Chevrolet Malibu vehicles, equipped with a 2.0L engine (LTG). The ring gasket may be pinched between the flanges on the inside diameter of the joint leading to a visible gap. As the pinched part of that gasket relaxes, clamp load is lost at that stud location.

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 service update.

SERVICE PROCEDURE

1. Open the hood of the vehicle.



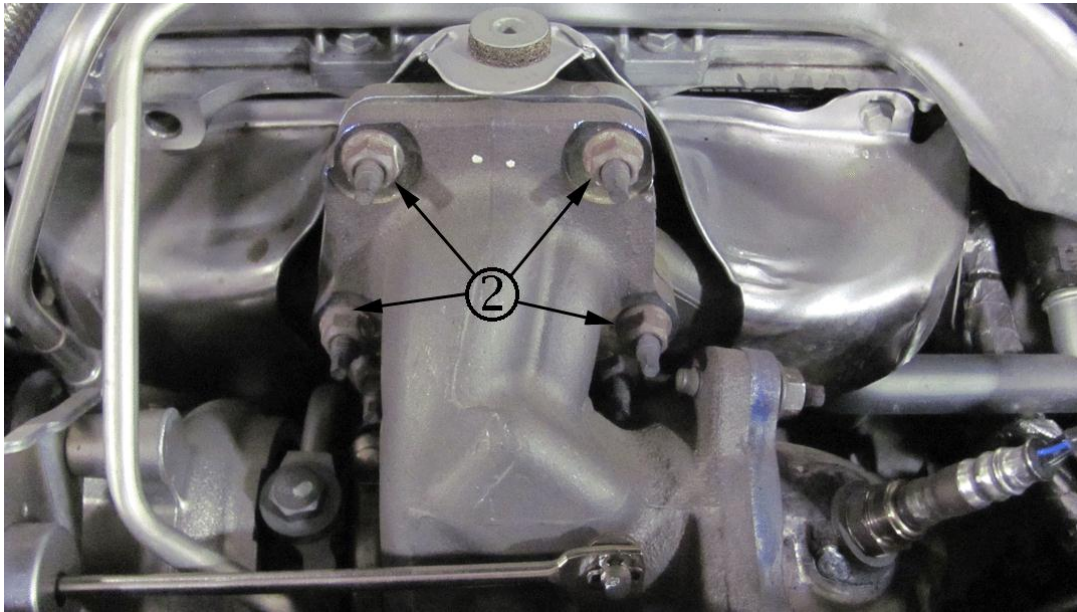
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Chevrolet Malibu shown for illustration purposes, Cadillac ATS similar.

2. Locate the turbocharger exhaust heat shield (1).

Warning: In order to avoid being burned, do not service the exhaust system while it is still hot. Service the system when it is cool.

3. Remove the turbocharger exhaust heat shield. Refer to *Exhaust Manifold Heat Shield Replacement (LTG)* in SI.



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Chevrolet Malibu shown for illustration purposes, Cadillac ATS similar.

4. Loosen the four turbocharger-to-exhaust manifold nuts (2).
5. Tighten the four turbocharger-to-exhaust manifold nuts (2) to **30 Nm (22 lb-ft) + 90 degrees**.
6. Re-install the turbocharger exhaust heat shield. Refer to *Exhaust Manifold Heat Shield Replacement (LTG)* in SI.
7. Tighten turbocharger exhaust manifold heat shield fasteners to **9 Nm (80 lb-in)**.
8. Close the hood of the vehicle.

WARRANTY TRANSACTION INFORMATION

Submit a transaction using the table below.

Labor Code	Description	Labor Time
V2765	Tighten Exhaust Manifold Bolts	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.

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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