

#06-06-01-026: L59, LR4, LM4, LM7, LQ4, LQ9, LS1, LS6 New Exhaust Manifold Bolts and Torque Specifications for GEN III Vortec Engine - (Dec 22, 2006)

Subject: L59, LR4, LM4, LM7, LQ4, LQ9, LS1, LS6 New Exhaust Manifold Bolts and Torque Specifications for GEN III Vortec™ Engine



Models: 1999-2003 Cadillac Escalade
1999 Chevrolet Forward Control Chassis, P32 R/V Van Chassis, P42 Commercial Chassis
1998-2002 Chevrolet Camaro
1999-2003 Chevrolet Corvette, Express, Silverado, Suburban, Tahoe, W-Series Medium Duty Truck
1999 GMC Forward Control Chassis, P32 R/V Van Chassis, P42 Commercial Chassis
1999-2003 GMC Savana, Siera, Yukon, W-Series Medium Duty Truck
2003 GMC Siera Denali
1998-2002 Pontiac Firebird Formula, Firebird Trans Am
2003 HUMMER H2
1999-2003 Isuzu N-Series Medium Duty Truck
with GEN III Vortec™ Engine (VINs V, G, P, S, T, N, U, Z, -- RPOs 4.8L, 5.3L, 5.7L, 6.0L)

A new exhaust manifold bolt and torque specification was introduced to the GEN III Vortec™ small block V8 engines beginning with the 2004 model year. When servicing any GEN III Vortec™ small block exhaust manifolds, the exhaust manifold bolts should be replaced.

-- P/N 11518860 Exhaust Manifold Bolts

Apply a 5 mm (0.2 in) wide bead of high temperature threadlocker to the threads of the exhaust manifold bolts before installing.

- P/N 12345493 - GM High Temperature High Strength Threadlocker (U.S.)
- P/N 10953488 - GM High Temperature High Strength Threadlocker (Canada)

Important: *When tightening the exhaust manifold bolts it should be done with two passes. First tighten the two center bolts on the exhaust manifold. Then tighten the rest of the bolts, alternating from side to side, while working towards the outside bolts.*

Install the exhaust manifold bolts. Refer to the following torque sequence:

Tighten

- Tighten to 10 N·m(89 lb in) on the first pass.
- Tighten to 20 N·m(15 lb ft) on the final pass.

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 equipment, tools, 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 GM dealer for information on whether your vehicle may benefit from the information.