

Engine Lubrication: All Technical Service Bulletins

Engine - Knocking or Lifter Noise

File In Section: 06 - Engine/Propulsion System

Bulletin No.: 02-06-01-038

Date: December, 2002

TECHNICAL

Subject:

Engine Knock or Lifter Noise (Replace O-Ring)

Models:

2001-2002 Chevrolet Camaro
 2001-2003 Chevrolet Corvette
 2001-2002 Pontiac Firebird
 2002-2003 Cadillac Escalade, Escalade EXT
 2000-2003 Chevrolet Suburban, Tahoe
 2001-2003 Chevrolet Silverado
 2002-2003 Chevrolet Avalanche
 2000-2003 GMC Yukon, Yukon XL
 2001-2003 GMC Sierra
 with 4.8L, 5.3L, 5.7L or 6.0L V8 Engine (VINs V, T, Z, G, S, N, U - RPOs LR4, LM7, L59, LS1, LS6, LQ9, LQ4)

Condition

Some customers may comment on an engine tick noise. The distinguishing characteristic of this condition is that it likely will have been present since new, and is typically noticed within the first 161-322 km (100-200 mi). The noise may often be diagnosed as a collapsed lifter. Additionally, the noise may be present at cold start and appear to diminish and then return as the engine warms to operating temperature. This noise is different from other noises that may begin to occur at 3219-4828 km (2000-3000 mi).

Cause

The O-ring seal between the oil pump screen and the oil pump may be cut, causing aeration of the oil.

Correction

Inspect the O-ring seal and replace as necessary. Use the applicable part number listed below. Refer to the Engine Mechanical sub-section of the appropriate Service Manual.

Part Number	Description	Qty
12557752	Seal-O/Pmp (O-ring) (F and Y Cars)	1
12563963	Seal-O/Pmp (O-ring) (C/K Trucks)	1

Parts Information

Parts are currently available from GMSP0.

Warranty Information

Labor Operation	Description	Usage	Labor Time
J1060	Pickup Tube and Screen - Replace	F Car	3.7 hrs
		Y Car	4.3 hrs
		C Truck	1.3 hrs
		K Truck	2.1 hrs

For vehicles repaired under warranty, use the table shown.

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.



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