



Service Bulletin

File In Section: 06 - Engine/Propulsion System

Bulletin No.: 01-06-01-023

Date: October, 2001



Subject: Higher Than Expected Oil Consumption (Replace Rings)

**Models: 1999–2001 Chevrolet Camaro, Corvette
1999–2001 Pontiac Firebird
with 5.7L Engine (VINs G, S — RPOs LS1, LS6)**

Condition

Some owners may comment on higher than expected oil consumption. When checked, the oil consumption could be in the range of 400–600 miles per quart (700–1000 km/L).

Cause

The cause for this condition may be an interaction between the piston rings and the cylinder bore in vehicles that are operated at higher RPMs — typically manual transmission vehicles driven in a manner where the engine is frequently or consistently operating at greater than 3200 RPM.

Correction

A new set of piston rings is currently available through GMSP0. The new rings are part of a complete piston ring kit. Install only the number 2 compression ring and the oil expander ring from the piston ring kit. All other rings in the piston ring kit should be discarded. The original number 1 compression ring and the oil ring rails should be re-used in their original positions on the piston. All pistons should be used in the same cylinder bore.

Important: Do not dress or hone the cylinder bore. Nothing should be done to change the bore finish for this condition. Changing the bore finish may aggravate the condition.

Refer to the Unit Repair Manual for appropriate ring removal and replacement procedure.

The number 1 compression ring and the upper and lower oil expander rails are re-used because they are already broken in for the bore that they are in. The new number 2 compression ring is made with a very sharp edge that will break in quickly.

Changing only the piston rings noted, with no change in driving style, should change oil consumption to an acceptable level. Changes in driving style that reduce the amount of time spent at higher RPMs will also positively effect oil consumption.

In addition to the standard size piston ring kit listed below, a 0.25 mm oversized piston ring kit is available. The oversized piston ring kit should only be used in those rare instances where the cylinder bore size has been machined larger to accommodate the 0.25 mm oversized piston rings.

Parts Information

Part Number	Description	Qty
88894299	Ring Kit, Piston	8

Parts are currently available from GMSP0.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
J1307	Piston, Rod and/or Rings – Replace, Both Banks	Use Published Labor Time

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