

Cold Engine Tick Noise (Replace Pistons) #01-06-01-005

Cold Engine Tick Noise (Replace Pistons)

2000-2001 Buick Century

2000-2001 Chevrolet Lumina, Malibu

2000-2001 Pontiac Gran Prix

with 3.1L Engine (VIN J - RPO LG8)

Condition

Some customers may comment on a ticking noise (similar, but not related to valve or lifter noise) that occurs 10-15 seconds after a cold engine start. The noise will last for 1 to 2 minutes and will fade as the the engine reaches operating temperature.

Cause

The noise may be caused by excessive piston to bore clearance during cold engine operation resulting from the specific piston design used in cylinders 1 through 4.

Correction

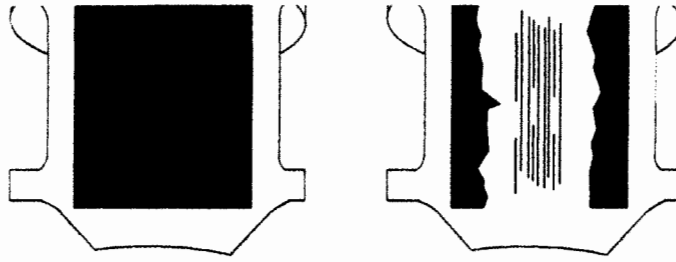
Service pistons for cylinders 1 through 4 will now be of the same design of those used for all production 2000 and 2001 for cylinders 5 and 6, and will have polymer coated piston skirts. Pistons in cylinders 5 and 6 are not exhibiting the prescribed noise condition.

Important

Note that this is a customer annoyance issue, and does not affect the durability or life of the engine.

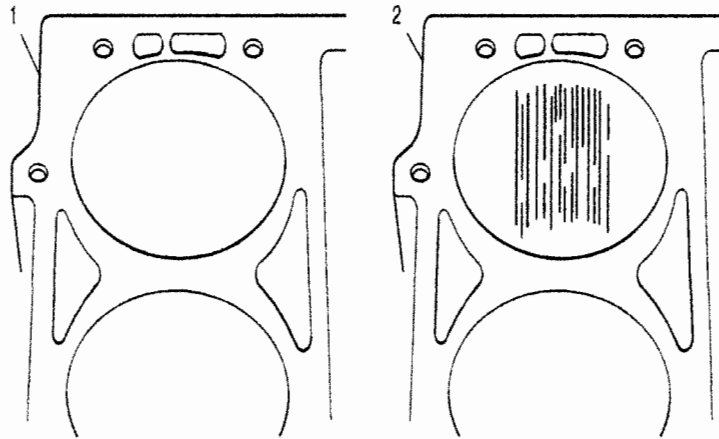
Removal of pistons from engine cylinders 5 and 6 is NOT necessary if equipped with polymer coated pistons. It is recommended to rotate the crankshaft until the piston skirt is exposed in the lower crankcase area for inspection. Replace pistons in engine cylinder positions 5 and 6 ONLY if there is evidence of damage to the polymer coating on the piston skirt, or cylinder wall wall (heavy scratches) is evident.

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- (1) Good Piston
- (2) Scored Piston

FIGURE Cylinder Wall Finish(c)



- (1) Good Cylinder Wall*
- (2) Scored Cylinder Wall*

Important

- ① Provided for illustration purposes only. Actual orientation of scuffing on cylinder wall