

**3.1/3.4L ENG TICK OR RATTLE AFTER COLD START UP**

**TECHNICAL SERVICE BULLETIN**

Reference Number(s): 57-61-24A

**COLD ENGINE TICK OR RATTLE AFTER START-UP (REPLACE PISTON/PIN ASSEMBLY)**

Model(s): 1994-95 Buick Regal

1994-97 Buick Skylark

1994-98 Buick Century

1994-95 Chevrolet Beretta Corsica, Lumina, Monte Carlo

1996-98 Chevrolet Venture

1997-98 Chevrolet Malibu

1993-97 Oldsmobile Cutlass Supreme

1994-96 Oldsmobile Cutlass Ciera

1994-97 Oldsmobile Achieva

1996-98 Oldsmobile Silhouette

1997-98 Oldsmobile Cutlass

1994-98 Pontiac Grand Am, Grand Prix

1996-98 Pontiac Trans Sport

with 3100, 3400 V6 Engine (VINs M, E - RPOs

L82, LA1) Section: 6 - Engine Bulletin No.: 57-61-24A Date: June, 1998

**NOTE: This bulletin is being revised to expand the model year coverage, add the 3400 V6 Engine applications and parts information. Also, the Cause statement has been changed. Please discard Corporate**

**Service Bulletin 57-61-24 (Section 6 - Engine).****CONDITION**

Some customers may comment on a ticking type noise that begins shortly after cold engine start-up and gradually diminishes as the engine warms up. In most cases, the noise is gone after five (5) minutes. In severe cases, the noise may not disappear when the engine is hot.

**CAUSE**

Under normal design tolerances when the piston pin bore is produced at the maximum tolerance and the piston pin is produced at the minimum tolerance (min-max tolerance) trace noise levels can occur. This level of noise does not affect the reliability or durability of the product.

**CORRECTION**

If piston-to-pin noise is detected and the customer desires the condition to be corrected, replace all six pistons with pin assemblies. The new piston sets have a minimal piston-to-pin clearance. Remember, piston-to-pin noise occurs in both park and drive at engine idle rpm and it varies in intensity depending on the number of pistons involved. A ticking sound means one piston is affected whereas a rattle or diesel type sound indicates more than one piston affected. The following should also be checked:

1. On W-Cars, make sure the right side engine splash shield is not contacting the engine crankshaft balancer. This condition usually happens cold and is caused by the shield curling when cold.
2. Reference Service Bulletin 57-71-06 for transmission rattle noise often confused for engine rattle noise.
3. Reference Service Bulletin 47-61-36 for Accessory Drive Belt Tensioner noise.
4. Check cylinder bore diameter and piston diameter as outlined in the Service Manual.

**NOTE: Excessive cylinder bore to piston diameter clearance can cause a similar type noise.**

Use the procedure in the appropriate Service Manual for piston replacement.

**NOTE: When installing the new piston and pin assembly onto the existing rods, use extreme care to avoid damage to either the pin or piston bore. If damage to these areas occurs, the noise will return because the damage will cause wear and excessive clearance.**

**1997 Buick Century Limited**

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**PARTS INFORMATION**

Parts are currently available from GMSP0.

**PARTS INFORMATION**

<b>Description</b>	<b>Part Number</b>	<b>Qty.</b>	<b>Application</b>
Piston with Pin Assembly	24505806	6	94-95 3100
Piston with Pin Assembly	24508726	6	96-98 3100
Piston with Pin Assembly	24508727	6	96-98 3400

**WARRANTY INFORMATION**

For vehicles repaired under warranty, use:

**WARRANTY INFORMATION**

<b>Labor Op</b>	<b>Description</b>	<b>Labor Time</b>
J3107	Piston, Rod and/or Rings	Use published labor operation