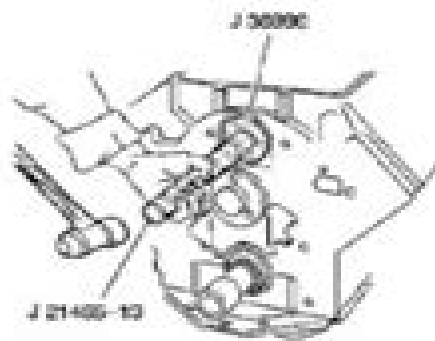


Buick LeSabre 2000-2005 Workshop Manual

Balancer Shaft Installation

Tools Required

- [J 60001](#) Dial Indicator Set
- [J 21465-13](#) Drive Handle Extension
- [J 36996](#) Balance Shaft Installer
- [J 45058](#) Angle Meter

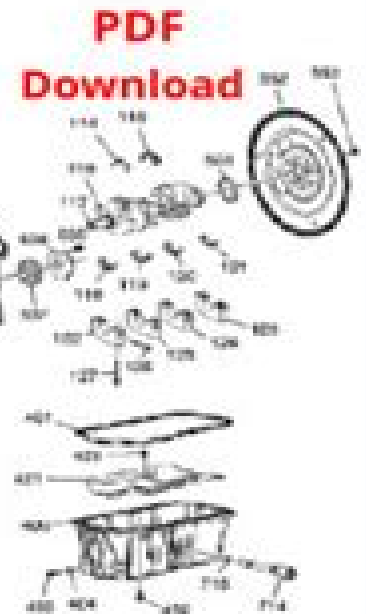


1. Use [J 21465-13](#) and [J 36996](#) to install the balance shaft into the engine block.



2. Install the balance shaft retainer.
Notice: Refer to [Fastener Notice](#).
3. Install the balance shaft retainer bolts.
Tighten

Crankshaft and Components



- (114) Crankshaft Main Bearing - Upper - 1, 3 and 4
- (115) Crankshaft Main Bearing - Upper - 2
- (116) Crankshaft Balancer Key
- (117) Crankshaft
- (118) Crankshaft Main Bearing - Lower - 1
- (119) Crankshaft Main Bearing - Lower - 2
- (120) Crankshaft Main Bearing - Lower - 3
- (121) Crankshaft Main Bearing - Lower - 4
- (122) Crankshaft Main Bearing Cap - 1
- (123) Crankshaft Main Bearing Cap - 2
- (124) Crankshaft Main Bearing Cap - 3
- (125) Crankshaft Main Bearing Cap - 4
- (126) Crankshaft Main Bearing Cap Bolt - Side
- (127) Crankshaft Main Bearing Cap Bolt

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