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PART #100232A

Harmonic Balancer/Under-Drive Pulley, 2010-11 Camaro V6 LLT

PACKING LIST

Before installation, use this check list to make sure all necessary parts have been included.

ITEM	QTY	CHECK	PART NUMBER	DESCRIPTION
1.	1	<input type="checkbox"/>	100634120	SLP Under-drive/Harmonic Balancer
2.	1	<input type="checkbox"/>	11569873	Bolt, Harmonic Balancer
3.	1	<input type="checkbox"/>	*****	Instructions

WARNING: SLP Recommends that this installation procedure be completed by a professional automotive technician. Improper installation can lead to severe engine damage and possible bodily harm.

WARNING: SLP Recommends allowing the vehicle to cool (not running) for five hours before beginning installation.

WARNING: Too avoid the chance of electrical shock or damage to your vehicle’s electrical system; disconnect both the negative and positive batter leads (in that order) at the battery.

INSTALLATIONINSTRUCTIONS – #100232A

NOTE: Requires New Serpentine Belt

2010-11 Camaro LLT

Main Belt: Gates K060810 or Equivalent

- 1 Raise and fully support the vehicle (a vehicle lift is recommended).
- 2 Remove the front air deflector and accessory belt.
- 3 Remove the transmission bell housing inspection cover.
- 4 Install a suitable flywheel holding tool (EN-48018)
- 5 Remove the crankshaft balancer bolt.
- 6 Use a suitable balancer remover/puller tool to remove the stock balancer from the crankshaft (J 38416-2 button and J38416-B remover).

- 7 Installation of the new balancer involves a 3 stage tightening process. The first pass ensures that the balancer is installed completely onto the crankshaft. The second and third passes tighten the NEW bolt to the proper torque.
- 8 Apply lubricant to the **inside** of the crankshaft balancer hub bore only!!! Do not lubricate the crankshaft front oil seal or crankshaft balancer sealing surfaces. The crankshaft balancer is installed into a dry seal. See Figure 1 below.

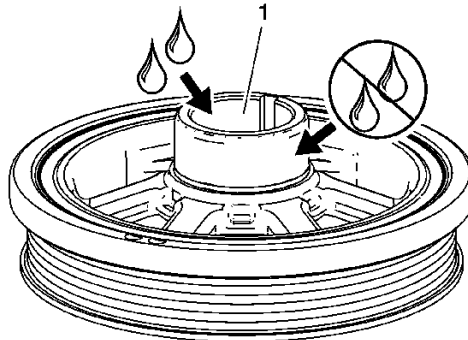


Figure 1: Lube the inner hub NOT the outer surface

- 9 Ensure the key located on the top of the crankshaft is correctly installed in the crankshaft. Failure to adhere to this may cause engine damage. See Figure 2. Install the new balancer onto the end of the crankshaft as straight as possible prior to tool installation.

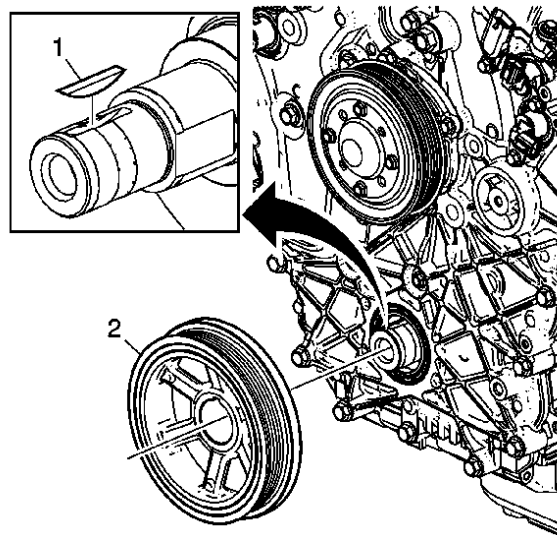


Figure 2: Ensure the key is installed properly in the crankshaft

- 10 Use a suitable crankshaft balancer installer to install the new balancer (J 41998-B).
- 11 Install the balancer tool a minimum of 10 threads before attempting to press the balancer in place by tightening the nut on the balancer installation tool. Tighten until the large washer bottoms out on the crankshaft end.
- 12 Remove the tool.
- 13 Install the NEW crankshaft balancer bolt.

- 14 Tighten the crankshaft balancer bolt a first pass to 74 ft-lbs.
- 15 Tighten the crankshaft balancer bolt a second pass to 150 degrees using a suitable angle meter (J 45059).
- 16 Remove the flywheel fastening tool and install the bell housing inspection cover.
- 17 Install the new accessory belt and front air deflector.
- 18 The installation is now complete.