



Replacement Camshaft Caution for 2007-2009 GM LS Engines

The AERA Technical Committee offers the following information regarding a replacement camshaft caution for 2007-2009 GM LS engines. This caution should be considered anytime the camshaft is being replaced with a different camshaft.

General Motors introduced a second style variable valve timing (VVT) cam actuator (aka phaser) in 2007 and ran two different cam actuators through 2007-2008 and beyond.

The new style became the exclusive unit in most 2009 and later engines.

- Original (old style) GM Part #12585994: 2007-2008 (uses cam core 156-).
- Current (new style) GM Part #12606358: 2007-2009+ (uses cam core 189-).

The difference in camshaft core is the pin to centerline position. The difference in the pin between 156 and 189 equates to 13 degrees cam retard if a 156 is used where a 189 is required. If this is to occur, not too happy of a camper will exist.