



Total Car Care Technical Service Bulletins



Manufacturer: General Motors - (07-06-04-25H)

TCC Group: 07-31-0912

Subject: Information on Clicking/Ticking Sound/Noise Heard During Cold Start

Model: 2006-2013 Buick Enclave
 2010-2013 Buick LaCrosse
 2006-2011 Cadillac STS
 2008-2013 Cadillac CTS
 2010-2013 Cadillac SRX
 2013 Cadillac ATS, XTS
 2009-2013 Chevrolet Traverse
 2010-2013 Chevrolet Camaro, Equinox
 2012-2013 Chevrolet Impala
 2009-2013 GMC Acadia
 2010-2013 GMC Terrain
 2009-2010 Saturn OUTLOOK
 Equipped with 3.0L or 3.6L WT Direct Injection V6 Engine
 (VINs G, D, 5, V, T, 3 - RPOs LF1, LFW, LLT, LFX)

DO THIS	DON'T DO THIS
Inform customer that this is normal operation of the high pressure fuel pump and injectors.	DO NOT replace the high pressure fuel pump and/or injectors.

The 3.0L and 3.6L SIDI engines use a direct injection fuel system that operates at very high fuel pressures. A direct injection fuel system produces a rapid clicking and ticking that can be heard from the engine compartment. The sound is more evident when outside around the vehicle or when the hood is open. The sound is more noticeable during idle and is more frequent during a cold start and lessens once the engine is warm.

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The rapid ticking noise on cold start up is the fuel pump (located on the rear of the left cylinder head) building up high pressure. When the engine warm-up is completed, the high pressure fuel pump will continue to tick at a lower rate of approximately one tick per second during idle. The clicking sound is the fuel injectors pulsing on and off under higher fuel pressures. This sound is a normal characteristic of Direct Injection Fuel high pressure fuel system.

DO NOT attempt to repair or replace any parts for this kind of clicking concern. The clicking or ticking noise indicative of any concerns with the engine or the vehicle. You may wish to give the customer a copy of this bulletin.