



Preliminary Information

PIP3535C Whine Noise From Timing Chain Area

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	LaCrosse (including Hybrid, eAssist)	2011 - 2016	All	All	2.4L LAF, LEA, LUK	All
Buick	Regal (including Hybrid, eAssist)	2011 - 2017	All	All	2.0L LHU, 2.4L LAF, LEA, LUK	All
Buick	Verano	2012 - 2017	All	All	2.0L LHU, 2.4L LEA	All
Chevrolet	Captiva	2010 - 2017	All	All	2.4L LAF, LEA	All
Chevrolet	Cavalier	2002 - 2005	All	All	2.2L L61	All
Chevrolet	Cobalt (including SS)	2004 - 2010	All	All	2.0L LNF, LSJ, 2.2L LAP, LE8 2.4L LAT, LE5	All
Chevrolet	Equinox	2010 - 2017	All	All	2.4L LAF, LEA	All
Chevrolet	HHR (including SS)	2006 - 2010	All	All	2.0L LNF, LSJ, 2.2L LAP LE8, 2.4L LAT, LE5	All
Chevrolet	Malibu (including ECO, eAssist, Hybrid and Classic)	2004 - 2014	All	All	2.2L L61, 2.4L LAT, LE5, LE9, LUK	All
Chevrolet	Impala (VIN 1)	2014	All	All	2.4L LUK	All
Chevrolet	Orlando (Canada)	2012 - 2014	All	All	2.4L LAF, LEA	All
GMC	Terrain	2010 - 2017	All	All	2.4L LAF, LEA	All
Oldsmobile	Alero	2002 - 2004	All	All	2.2L L61	All
Pontiac	G5	2007 - 2010	All	All	2.0L LNF, LSJ, 2.2L LAP, LE8, 2.4L LAT, LE5	All
Pontiac	G6	2006 - 2010	All	All	2.4L LAT, LE5	All
Pontiac	Grand Am	2002 - 2005	All	All	2.2L L61	All
Pontiac	Sunfire	2002 - 2005	All	All	2.2L L61	All
Pontiac	Pursuit (Canada Only)	2005 - 2006	All	All	2.2L L61, 2.4L LAT, LE5	All
Pontiac	Solstice (including GXP)	2006 - 2010	All	All	2.0 LNF, 2.4L LE5	All
Saturn	Aura (including Hybrid)	2007 - 2009	All	All	2.4L LAT, LE5, LE9	All
Saturn	ION (including Redline)	2003 - 2007	All	All	2.0L LNF, LSJ, 2.2L L61, 2.4L LAT, LE5	All
Saturn	L Series	2001 - 2005	All	All	2.2L L61	All
Saturn	SKY (including Redline)	2007 - 2010	All	All	2.0L LNF, LSJ, 2.2L L61, 2.4L LAT, LE5, LE9	All
Saturn	VUE (including Hybrid)	2002 - 2010	All	All	2.2L L61, 2.4L LAT, LE5	All
Saab	9-3	2007 - 2009	All	All	2.0L B207	All

Supersession Statement

This PI was superseded to update model years and engines involved. Please discard PIP3535A.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition / Concern

A whine noise from the front of the engine may be experienced if the balance shaft tensioner has ratcheted out, causing the balance shaft chain to be too tight. In rare instances the balance shaft tensioner will ratchet out during service of the cylinder head, timing chain or if the water pump is replaced without using the water pump sprocket holding tool (J43651 / EN-43651). This will cause the balance shaft chain to be too tight, which can cause a whine noise from the front of the engine.

Recommendations / Instructions

Before attempting repairs, ensure that the noise is definitely abnormal by comparing the noise to other known good vehicles. If the noise is abnormal and the noise was not present previously, the balance shaft chain tensioner may need to be reset or replaced. Follow eSI repair procedures and reset/replace the balance shaft chain tensioner as needed. Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.



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