



## Total Car Care Technical Service Bulletins



**Manufacturer:** General Motors

**TCC Group:** 02-15-0812

**Subject:** No HVAC Cooling, A/C Belt Dislodged

**Model:** 2008-2009 Pontiac G8 equipped with V8 Engine

**Issue:** Some customers may comment on a total loss of air conditioning function due to a dislodged A/C compressor belt.

**Cause:** The A/C belt jumps off the crank pulley due to a crankshaft resonance above 3000 rpm. This resonance causes the belt to oscillate across the top span between the A/C pulley and the harmonic balancer, causing the belt to dislodge.

**Correction:** GM Engineering has released a revised A/C bracket that incorporates an idler pulley preventing excessive belt oscillation. A longer belt has also been released to allow for the additional length that is introduced due to the idler. Quality improvements to harmonic balancers have also been implemented in production.



The new compressor support bracket incorporating the idler pulley is shown above.

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These revised components were introduced into production from the following breakpoints.

VIN	BUILD DATE
6G1EP4EH2AL419681	11/19/09
6G1EX5EW8AL406552	18/09/09

Any vehicle exhibiting this condition, built before the above breakpoints, that presents itself with a loss of A/C function as a result of the A/C belt dislodging, should be fitted with a revised A/C bracket and belt. The existing tensioner is to be reused and installed onto the revised A/C bracket. In addition to the above service fix, inspect the harmonic balancer for runout of the outer ring. If found, also replace the harmonic balancer.

**NOTE** The balancer and bolt are only to be replaced when close inspection reveals runout of the balancer. Replacement of the balancer is not permitted unless it exhibits a reasonable amount of runout.

PART NUMBER	DESCRIPTION
92252927	A/C Bracket Assembly
92244381	A/C Belt
12635649	Harmonic Balancer
12557840	Bolt