

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	April 2003 TB 2067
Mfg:	GM
Model:	S10
Liter:	4.3L
V I N:	W
Year:	92-05

Engine/Balance Shaft "Rattle" Noise On
1992-2003 GM 4.3L VIN W & X Engines

The AERA Technical Committee offers the following information regarding an engine/balance shaft "rattle" noise on 1992-2003 GM 4.3L VIN X & W engines. The following information is to be used when diagnosing an audible noise condition such as an engine "rattle", "spark knock" or "valve train" noise.

This noise may occur in the 2000-2500 rpm range, under a moderate to heavy engine load with the engine at operating temperature. According to GM research this noise may be due to a natural torsional harmonic vibration in the cam drive system, loading and unloading of the balance shaft and gear drive assembly.

GM engineering has determined that this noise does not present any durability risks to the engine or any of its components. Multiple attempts to solve the noise condition by changing cam drive or balance shaft components may prove to be unsuccessful. It is imperative that all normal diagnostic techniques be followed to assure that the rattle noise is NOT spark knock, piston rattle, bearing knock or some other noise for which repairs are required.

The AERA Technical Committee

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Reference:	
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