

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

TECHNICAL BULLETIN	
	November 2002 TB 2031
Mfg:	FORD
Model:	EXPLORER
Liter:	4.0L
V I N:	E
Year:	97-09

Front End Engine Rattle Noise On
1999-2009 Ford 4.0L SOHC Engines

AERA Members have reported a front end engine rattle noise on 1999-2009 Ford 4.0L SOHC engines. This noise is audible during hot and cold conditions, but is most commonly heard when the engine is cold under acceleration at 2400-2500 RPM.

To confirm the presence of this noise, put the vehicle in 2nd gear and accelerate the engine between 2000-3000 RPM and listen for a rattle noise that sounds similar to a spark knock. This type of rattle noise could be caused by the primary timing chain tensioner system.

Ford advises that the primary timing chain tensioner, chain guide, jackshaft and crankshaft sprockets be replaced with a correct repair kit. The kit will include all parts listed previously along with required fasteners, primary timing chain and front cover gaskets.

There are two kits offered to cure this problem. One kit is for an engine that has a balance shaft and the other kit is for an engine without a balance shaft. When ordering the replacement kit, make sure that the correct kit is ordered for your application. Refer to the table below for application and kit numbers.

Replacement
Kit Number

Applications

2U3Z-6D256-AA
Balance shaft engine)

1999-2001 Explorer/Mountaineer 4X4
2001-2002 Sport/Sport Trac 4X4
2002 Explorer/Mountaineer
EXCEPT engine codes 2G-960-AA & 2G964-AA

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2U3Z-6D256-BA

1999-2001 Explorer/Mountaineer 4X2
2001-2002 Sport/Sport Trac 4X2
2002 Explorer/Mountaineer
WITH engine codes 2G-960-AA & 2G964-AA
2001-2002 Ranger

The AERA Technical Committee

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