



# TECH EXCHANGE

**SUBJECTS: 1. All 2005~2007 Models with 3-Cylinder Engines: RS Vector/ER/GT; RS Venture/GT; RS Rage/GT; RS Nytro/ER; RS Vector Mountain/SE; and VK Professional – Mechanical Cam Chain Tensioner Failure**

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## All 2005~2007 Models with 3-Cylinder Engines: RS Vector/ER/GT; RS Venture/GT; RS Rage/GT; RS Nytro/ER; RS Vector Mountain/SE; AND VK Professional – Mechanical Cam Chain Tensioner Failure

The mechanical-type cam chain tensioner for the above models was changed in 2008. The tensioner was improved to reduce the possibility of insufficient cam chain tension and the resulting engine damage that could be caused by a loose cam chain. All 2008 and newer models have the new tensioner.

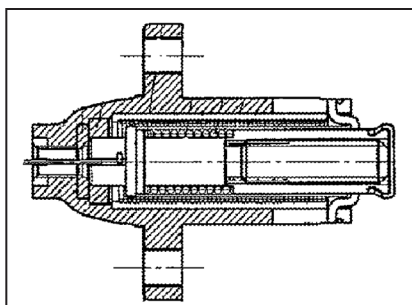
### Inspection / Diagnosis

The symptom of loose cam chain tension is excessive rattle noise near the cam chain tensioner while the engine is running.

The damage caused by a loose cam chain tension could be engine damage due to valve/piston contact or severe wear of the cam chain drive gear on the crankshaft.

If any of the above symptoms or damage occurs, make sure the cam chain tensioner assembly is replaced with a new tensioner.

**NOTE:** The original failed tensioner may function properly when removed and bench tested. If the original tensioner is reinstalled, it will likely fail again causing repeat engine noise or damage.



### Parts Information:

The cam chain tensioner was changed for 2008 production. The previous tensioner part number will automatically supersede to the new part. All available tensioners are new type. The old type tensioner is no longer available.

Part Number	Description	Status	Application
8ES-12210-00-00	Cam Chain Tensioner	Supersedes to 8ES-12210-01-00	All 2005~2007 Models with 3-Cylinder Engines: RS Vector/ER/GT; RS Venture/GT; RS Rage/GT; RS Nytro/ER; RS Vector Mountain/SE; and VK Professional - Does NOT apply to any FX Nytro or 2009 RS Venture GT models.

### Parts Identification

The tensioner can be identified by a paint mark on the tensioner housing. The new type tensioner is identified with a blue mark; the old type tensioner mark is orange.

#### NEW CAM CHAIN TENSIONER PART IDENTIFICATION

ID MARK  
NEW: BLUE  
OLD: ORANGE

