

TECH TIPS — Subject: Rattle Noise from Engine
Model: 2007 XVS1300 (V-Star 1300/V-Star 1300 Tourer)

Symptom:

On some 2007, XVS1300 models, a rattle noise may be heard when the transmission is in Neutral and the clutch lever is released. This noise stops when the clutch lever is pulled in or the transmission is not in Neutral.

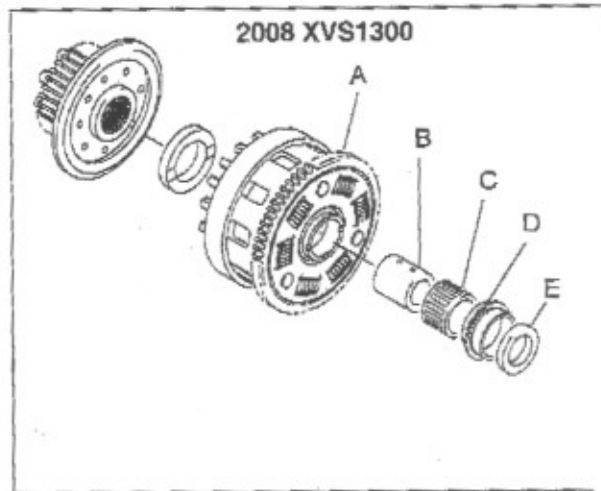
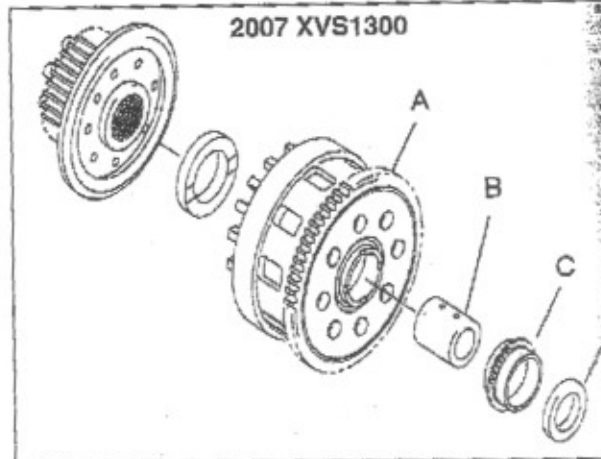
Cause:

The primary driven gear on the back of the clutch basket is dampened to reduce primary drive/driven gear lash noise. The V-twin engine pulsation enhances this noise. In some cases, the damping may not reduce the gear lash noise sufficiently for a customer's expectation. This gear lash noise sounds like a rattle near the clutch area of the engine. While not a defect, the noise can sometimes be reduced to a customer's satisfaction.

Remedy:

The primary driven gear damper was changed on 2008 models from a rubber cushion type to a spring type to reduce rattle noise. In addition, the 2008 model primary driven gear has slightly more gear lash to reduce whine noise.

The 2007 model primary driven gear will be superseded to a kit containing the 2008 parts in the table below:



Ref.	Parts Name	2007 Model	99999-03812-00 Driven Gear Ass'y Set
A	Primary Driven Gear Comp.	3D8-16150-00-00	3D8-16150-10-00
B	Collar	90387-26009-00	90387-26006-00
C	Bearing	NA	93310-33560-00
D	Sprocket, Drive	3D8-13354-00-00	3D8-13354-10-00
E	Plate, Thrust 2	3D8-16164-00-00	3D8-16164-10-00

Normal warranty applies.