

What is a Litens OAD?

A number of people have asked about the Litens OAD listed in the 2005 Belt Tensioning catalog (pg 34). These part numbers are 49908, 49911 and 49912. The Litens OAD is an exciting new product for the aftermarket. It is a “unique” product and quite different from any other “clutched alternator pulley”. It is a direct replacement for the alternator decoupler found in the OE. The pictures below show a couple of examples of the Litens OAD.

The alternator decoupler has been used by several car manufactures, and has been in production since 2000. The Litens OAD incorporates a spring (this is why it is unique) and clutch inside the pulley and has two distinctly different functions. The spring inside the pulley absorbs vibration from the engine. The clutch inside the pulley allows the alternator to coast to a stop when the engine is shut off. This coasting or “freewheeling” eliminates shut down “chirp noises” that come from the alternator when a typical solid pulley is used.

Goodyear is pleased to offer the Litens OAD as a direct replacement of the alternator decoupler. The Litens OAD is attached directly to the front of the alternator where the solid pulley used to reside. To replace the alternator decoupler with a Litens OAD, the technician must first remove the belt. The technician may or may not need to remove the alternator assembly depending on available space. A special tool is required in some applications. A protective cap is included in the box (some OADs) and must be installed at the end of the Litens OAD installation.

It is not recommended to replace an alternator decoupler with a solid alternator pulley. Accessory drives are “engineered systems” and if an OAD has been installed by the manufacturer then the system will have noise/durability issues if it is removed for any reason.



Corvette (LT1)



Chrysler Minivan 3.3/3.8L