



TB1251

SERVICE INFO

Overrunning Alternator Pulley (OAP)

We are pleased to announce the introduction of 2 x OAP's 535 0131 10 & 535 0261 10, to our existing Tractor product range.

Identification

The OAP is fitted to the front of the alternator and usually has a cap covering what would normally be a large nut on a standard pulley. When the cap is removed you will see some removal splines.



Function

Manufacturers are constantly increasing the electrical requirements on today's Tractors, meaning that torsional vibration from the crankshaft also is increasing, this has historically been transmitted into the accessories drive with little or no effect. Larger alternators would mean larger rotating masses that would require larger belts and corresponding larger tensioners to cope with this increase in mass / vibration.

The OAP is a one way clutch fitted to the alternator which decouples when the crankshaft slows (and this may be over a fraction of a second) thus reducing the torque reversals seen in a typical auxiliary drive belt system. The OAP is a cost effective solution for Tractor manufacturers compared to using larger belts and tensioners.

- For accurate model information please see the Schaeffler online catalogue
- Die genaue Fahrzeugzuordnung entnehmen Sie bitte dem Schaeffler-Katalog
- Pour plus d'information sur les applications veuillez vous référer au catalogue Schaeffler
- Para obtener información sobre el modelo, rogamos consulte el catálogo de Schaeffler
- Per informazioni sul modello consultare il catalogo Schaeffler

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Fax : +44 (0) 1432 375 760

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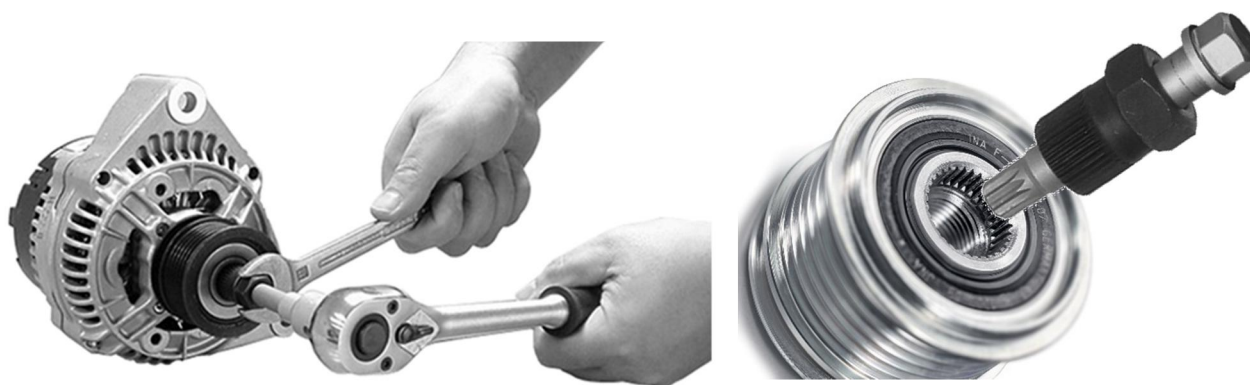
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Diagnosis

Faulty OAP's may display erratic movement of the belt and tensioner when the auxiliary drives are loaded. With the belt removed and the alternator rotor locked the OAP should be free to rotate in only one direction.

Special Tools

Special Tools are required to replace the OAP's and these are available from us.



Special Tool
400 0531 10

If you require any further assistance or clarification please call the LuK Technical Hotline on 01432 264264.

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