

## Alternator belt pulley failure

### Manufacturer:

Nissan, Renault

### Model:

- **Nissan** Almera, Micra
- **Renault** Clio II + III, Scénic, Grand Scénic, Kangoo, Megane II

### Engine:

- **Nissan** 1.5 DCI (11/2002 →)
- **Renault** 1.5 DCI (2003 →)

**LuK AS Part No.:** 535 0116 10

### OE-No.:

- **Nissan** A660C-300EX
- **Renault** 82 00 113 636

**Alternator Mitsubishi No.:** A2TB6481

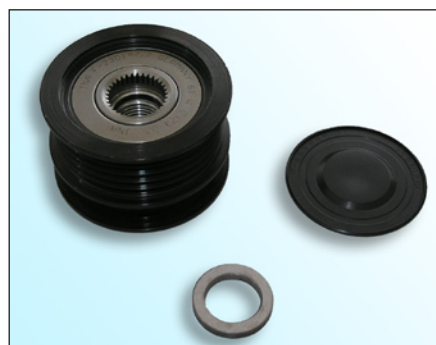
The original rubber to metal bonded OAP on average has a service life of only **20.000 miles**. Checking the condition of this part on a regular basis is very important and replacement of this design with the INA pulley is recommended. The INA part offers an improved service life of **80.000 miles**.

Due to numerous failures of the original rubber to metal damper, it is advisable to check the alternator belt pulley installed as standard for damage on every visit to the workshop and replace if necessary.

A defective vibration damper means that the rubber has separated from the metal. The damper function is **no longer** effective.

### Important:

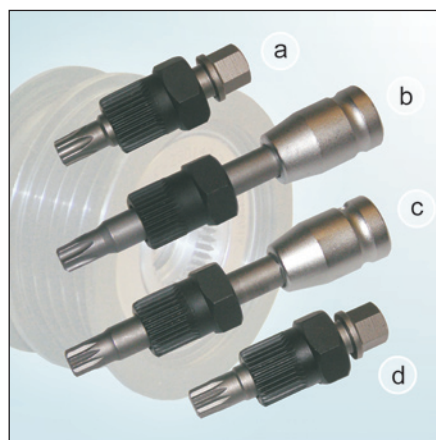
A failure in the alternator belt pulley could interfere with the primary drive belt and cause expensive engine damage.



**Fig. 1:** 535 0116 10

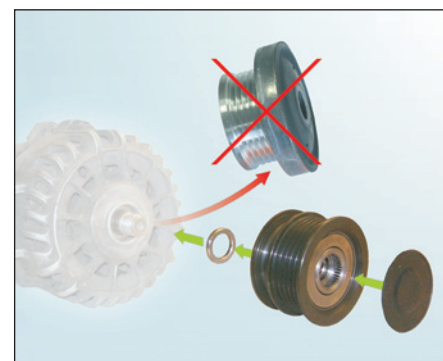
### INA reference content:

- 1 x Over-Running Alternator Pulley
- 1 x Spacer washer (3.5 mm)
- 1 x Seal cap



**Fig. 2:** Special tools overview

- a. 400 0235 10 (Torx, short)
- b. 400 0201 10 (Torx, standard)
- c. 400 0200 10 (Polygon head, standard)
- d. 400 0234 10 (Polygon head, short)




**Fig. 3:** Assembly overview

As an alternative, LuK AS offers an Over-Running Alternator Pulley (535 0116 10).

### Assembly note:

1. Slacken tensioner and remove poly V-belt
2. Check all belt drive components for damage - replace damaged components
3. Remove the original belt pulley from the alternator (see fig. 3)
4. Push the supplied spacer washer onto the alternator shaft (see fig. 3)
5. Assemble the Over-Running Alternator Pulley 535 0116 10 with the relevant special tool (see fig. 2)
6. Assemble the seal cap on the Over-Running Alternator Pulley – **Ensuring it is seated correctly and is a tight fit!**
7. Assemble the poly V-belt

 Vehicle manufacturer instructions must be complied with!

Appropriate spare parts can be found in our on-line catalogue at [www.Schaeffler-Aftermarket.com](http://www.Schaeffler-Aftermarket.com) or at [www.RepXpert.com](http://www.RepXpert.com).

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Technical subject to change

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