

Whistling noises from the operational area of the v-ribbed belt

Vehicle manufacturer: Opel, Vauxhall

Models: Corsa C from 2004
 Corsa D from 2007
 Tigra B from 2004
 Agila from 2004
 Meriva from 2004
 Combo from 2004
 Astra-H from 2005

Engine codes: C13DT, Z13DT,
 Z13DTJ, Y13DT,
 Z13DTH

Item no.:
for DENSO alternator: 535 0151 10
for VALEO alternator: 535 0063 10

Diagnosis:

Whistling noises from the operational area of the v-ribbed belt

Possible cause of damage:

The over-running alternator pulley is faulty.

Remedy:

With DENSO alternators, depending on the vehicle manufacturer, the original over-running pulley should be replaced with a modified INA over-running alternator pulley (see image 1).

INA also offers an over-running alternator pulley for vehicles fitted with a VALEO alternator. As there is very little visible difference between the two over-running pulleys, pay close attention to the distinguishing features (see image 3).

Recommendation:

As part of the diagnostic and repair procedure, check the entire control assembly and auxiliary drive system; if necessary, also replace the timing belt and v-ribbed belt as well as the tensioner and deflecting pulleys.

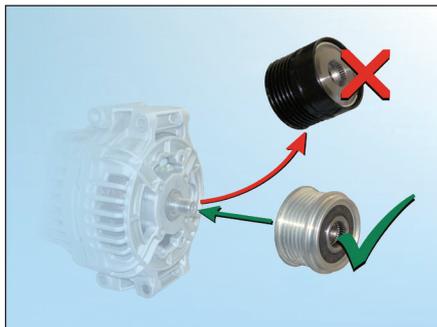


Image 1: Item replacement

Note:

Use the appropriate Schaeffler special tool to replace the over-running alternator pulley.



Image 2: Overview of special tools

- 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)

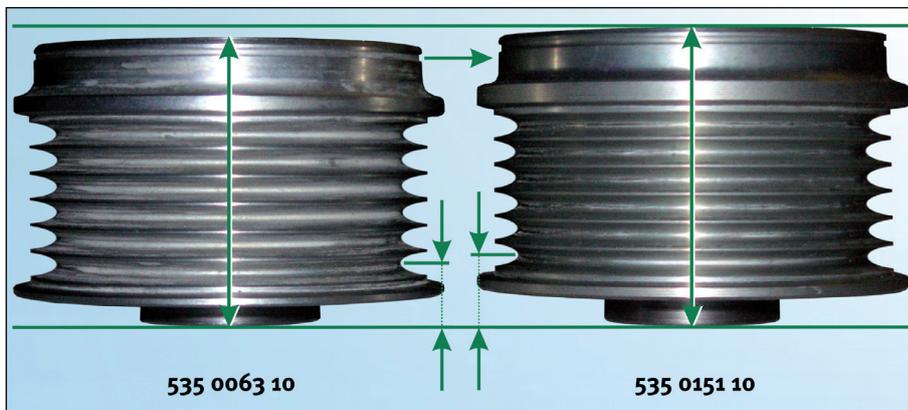


Image 3: Distinguishing between INA over-running alternator pulleys 535 0063 10 (VALEO) and 535 0151 10 (DENSO)



Vehicle manufacturer instructions must be complied with!

Appropriate spare parts can be found in our on-line catalogue at www.Schaeffler-Aftermarket.com or at www.RepXpert.com.

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Technical subject to change
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