



## Service Info



# Quieter engine

## Changing from a rigid belt pulley to an over-running alternator pulley

|                       |   |
|-----------------------|---|
| Manufacturer:         | BMW   |
| Models:               | 320d (E90, E91, E93),<br>320d xDrive (E90, E91, E93)<br>520d (E60, E61)<br>520d xDrive (E60, E61) |
| Year of construction: | 2004 - 2011   |
| Engines:              | M47, N47  |
| Part no.:             |   |
| INA-OAP               | Valeo alternator  |
| 535 0063 10           | TG15C027/TG15C073/TG15C093  |
| 535 0202 10           | TG15C072/TG17C010/TG17C048  |
| 535 0203 10           | FG18D024/FG18S019   |

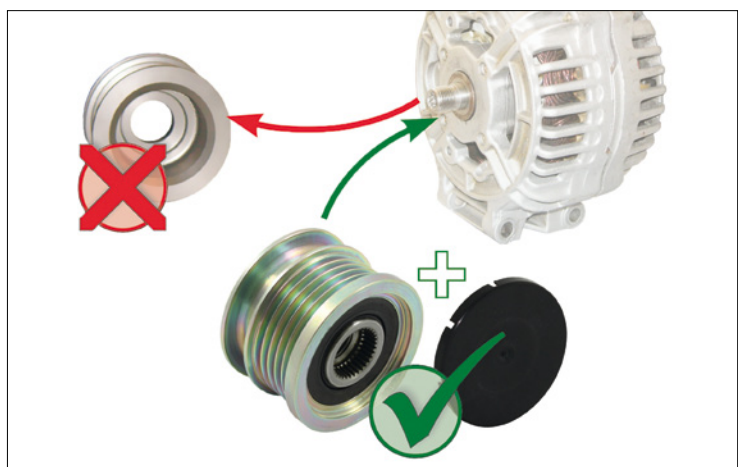


Image 1: Changing from a rigid belt pulley to an over-running alternator pulley

Vibrations and loud noises from the front end accessory drive may be produced in the vehicles listed above with a rigid alternator belt pulley. These vibrations and noises are caused by the rotational irregularities in the diesel engine, which are greater than those in a petrol engine.



Image 2: Over-running alternator pulleys 535 0063 10 (left), 535 0202 10 (centre), 535 0203 10 (right)

Schaeffler Automotive Aftermarket recommends that the vehicles affected with a rigid alternator belt pulley be retrofitted with an over-running alternator pulley.

Attention: It is essential that the enclosed installation instructions are observed!

The over-running alternator pulley disengages the front end accessory drive from the rotational irregularities of the engine, ensuring that the V-ribbed belt runs more smoothly and quietly. As a result, the engine is quieter, making your drive more comfortable.

Observe the specifications of the vehicle manufacturer!

Spare parts and technical information can be found under [www.schaeffler-aftermarket.com](http://www.schaeffler-aftermarket.com) or [www.RepXpert.com](http://www.RepXpert.com).

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