

SCHAEFFLER



Crankshaft Vibration Damper Crankshaft Decoupler

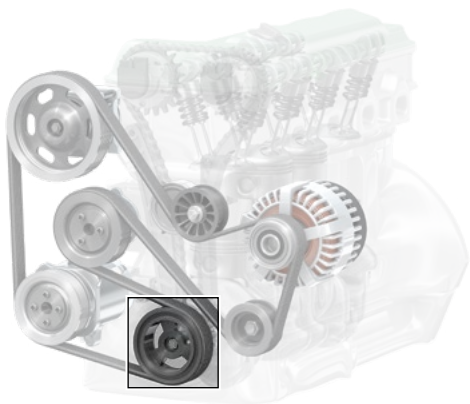
For a smooth-running front end auxiliary
drive (FEAD)



For a Smooth-Running Front End Auxiliary Drive (FEAD)

The FEAD supplies the power for numerous comfort and safety functions in a vehicle as well as the air conditioner compressor and the steering pump, but ensuring that the vehicle handles smoothly is the most important function of the FEAD.

The crankshaft vibration damper – and the crankshaft decoupler as the evolution of this component – considerably reduce vibration in the FEAD. Due to downsizing, the crankshaft has been exposed to ever increasing levels of vibration. Regular inspections and ensuring that damaged components are replaced promptly using OE-standard spare parts is therefore essential in maintaining the functionality of the FEAD.



Important Considerations for Diagnosing Damage and Replacing Parts

- Perform a visual inspection every **60,000 km*** to check for cracks and pitting. Replace the components at least every **120,000 km*** to ensure that the FEAD continues to run smoothly.
- When replacing components, always use the new expanding screws that are included with INA KITS.
- Use the relevant special tool during disassembly and assembly to avoid damaging the product and the drive train.



*The manufacturer may specify different intervals that must be complied with.

INA Crankshaft Vibration Damper

The INA Crankshaft Vibration Damper – also known as a Torsional Vibration Damper (TVD) – is an OE-standard component for all popular marques. All of the accessories required to replace this component are included.



INA Crankshaft Decoupler

The next step in the product evolution: a separate component is used to further decouple the FEAD from the rotational irregularities of the crankshaft.



INA FEAD KIT

A complete solution that includes the crankshaft vibration damper or crankshaft decoupler for when multiple components of the FEAD need to be replaced.

This KIT allows the entire replacement to be completed in a single procedure.



Here is an extract from our range of product solutions:

| Article no. | Manufacturer | Displacement | Fuel type | Year of manufacture |
|----------------------------|--|-----------------|----------------|---------------------|
| 544 0002 10 | Volkswagen Group, Volvo, Ford | 2.4 -2.5 l | diesel | 1990 - 2013 |
| 544 0029 10 | Fiat Group Opel, Vauxhall, Chevrolet | 1.3 l | diesel | 2000 - 2015 |
| 544 0039 10 544 0039 20 | Fiat, Citroën, Peugeot | 1.9-2.0 l | diesel | 1996- 2015 |
| 544 0069 10 | BMW | 1-8 -2.0 l | diesel | 1998 - 2003 |
| 544 0072 10 | Opel, Vauxhall, Saab, Chevrolet | 2.0 -2.2 l | diesel | 1995 - 2015 |
| 544 0079 10 | Mazda, Ford, Peugeot, Citroën, Volvo, MINI | 1.4 - 1.6 l | diesel | 2001 - |
| 544 0080 20 | Fiat, Alfa Romeo, Saab, Vauxhall, Opel, Chrysler | 1-6 -2.0 l | diesel | 1996 - |
| 544 0082 10 | BMW | 2.0 l | diesel | 2001 - 2012 |
| 544 0088 10 | Renault, Nissan | 1.9 l | diesel | 2001 - |
| 544 0090 10 | Mercedes, Renault, Dacia, Nissan | 1.4, 1.5, 1.6 l | diesel, petrol | 1998 - 2018 |
| 544 0102 10 | Volkswagen Group | 2.7 - 3.0 l | diesel | 2003 - 2018 |