

### Noise and loss of power due to material breakouts on turbocharger components

#### Introduction:

There are repeated instances of damage to these turbochargers, which ends with an outbreak of castings between the bearing housing and turbine housing of the large low-pressure supercharger T914391.

#### Note:

The cause is a defective two-mass flywheel. In cooperation of knocked-out engine mounts (especially in vehicles in the package distribution service), enormous vibrations act on the assemblies of the two-stage supercharging. Missing or incorrectly installed support elements to the engine block also contribute to the overloading of the components.

#### Instructions:

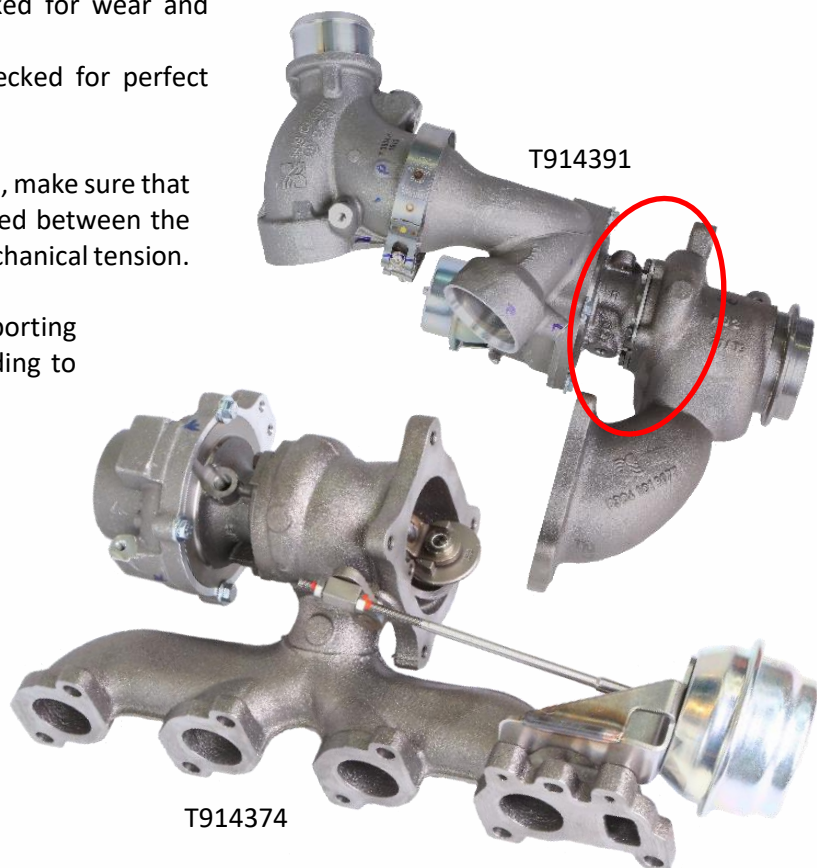
The engine mounts should be checked for wear and lowering and replaced if necessary.

The dual mass flywheel is to be checked for perfect function. If in doubt, renew this.

When installing the two turbochargers, make sure that the charge pressure pipes are mounted between the two compressor housings without mechanical tension.

Proper installation of all supporting elements must be carried out according to the manufacturer's instructions.

When installing the boost pressure hose between the compressor and the intercooler, attention must also be paid to the absence of mechanical stress. Hardened boost hoses are to be renewed.



**Vehicle Manufacturer:** Mercedes

**Vehicle:** Sprinter 213, 215, 313, 315, 513, 515 CDI

**Engine code:** 646.986, 646.989, 646.990

**Validity:** This service information is valid for renewing the turbocharger with

**BTS reference:** T914374, T914391      **BTS-Service-Set-Nr:** T981444, T981445

Please note: OE-references are only for means of comparison. The content of this Service Information is non-binding and is only for informational purposes. The manufacturer specifications have to be adhered to.