

**This new version replaces all previous versions. Please replace SI-150805**

### Breaking of turbocharger compressor backplate - overload breakage

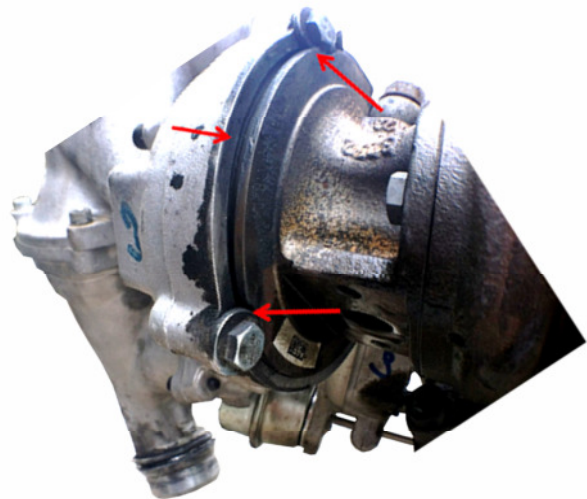
#### Failure appearance:

There are more and more damages on the turbocharger with broken back plates on the compressor housing. This leads to an immediate failure of the turbocharger and considerable damages on intercooler and other following components.

#### Reason:

The turbocharger is directly mounted onto the exhaust manifold and thus the engine. The intercooler on the other hand is mounted onto the front traverse. Due to the engine being installed longitudinally, the engine tilts with every load change. These tilting movements are absorbed by the engine suspension. As soon as the engine suspension shows signs of fatigue, the tilts increase and the whole component is lowered in comparison to the chassis. (On vehicles used by parcel services, this strain on the engine is strongly increased due to a large number of load changes).

The short and stiff boost pressure hose cannot balance out the increased tilting movements of the engine or the lowered position. This leads to an increased mechanical strain on the components and consequently to a material fatigue and thus breaking of the components.



#### Dual mass flywheel

When driving this vehicle with a damaged dual mass flywheel for too long, the engine mountings are under too much strain and the same damage on the turbocharger occurs as described above.

**Vehicle Manufacturer:** Mercedes

**Vehicle:** Sprinter (906)

**Engine code:** OM651.957, OM651.925

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

**BTS reference:** T915834

**OE-no.:** A6510900880, A6510906080, A6510906380, A6510905480, A651090608018,  
A651090608080, A6510904780, A6510904880, A6510905280

**Manufacturer part no.:** 10009700008, 10009700036, 10009700074, 10009880008,  
10009880036, 10009880074

**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.**