

This new version replaces all previous versions. Please replace SI-110202 / Si110330
lack of power, boost pressure control error and noises,
exhaust gas turbine damage due to exhaust manifold

Introduction:

In the vehicles listed below, the vehicle manufacturer has installed an air gap-insulated exhaust manifold in the course of further development. This exhaust manifold (exemplarily 1162 7 798 422) may suffer stress cracks in the interior. It solve small pieces of sheet metal, which are thrown with the exhaust gas in the exhaust gas turbine of the turbocharger. These foreign objects destroy the turbine wheel and damage the wings of the VTG unit. This often ends in a stiff or jammed VTG unit in the turbine housing.

Note:

Fault memory entry with boost pressure undershot or even exceeded is the most common vehicle symptom. Is the cause of the turbocharger damage not detected and at the same time eliminated, then a consequential loss is almost unavoidable.

For turbochargers with electric actuator fault memory entries are stored relative to the e-actuator. The actual error is then usually a stiff VTG unit.

Instructions:

Check if an air gap insulated sheet metal manifold is installed. If so, then this is to examine for cracks in the inner life. In case of doubt we recommend always to renew the exhaust manifold.



defective exhaust manifold



destroyed turbine wheel and VTG unit

Vehicle Manufacturer: BMW

Vehicle: 3 (E46) 330d, 5 (E60, E61) 330d 325 d, X3 (E83) 3.0d, X5 (E53) 3.0d, 7 (E65, E66, E67) 730d

Engine code: M57 D25, M57 D30

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

BTS reference: T911388, T914199, T914235, T914292, T914299, T914302, T914673, T914674, T914801, T914999

BTS-Service-Set-Nr: T981016, T981035, T981058, T981098, T981125, T981191, T981192, T981193, T981230, T981293

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.