

Rattling noise from turbocharger

Topic number	LI09.40-P-061542
Version	1
Design group	09.40 Turbocharger
Date	05-28-2015
Validity	All models with engine 276DELA
Reason for change	

Complaint:

Rattling noise from the engine area under partial load.

Attachments	
File	Description
M276DELA Wastegate.MP3	Rattling noise from wastegate

Cause:

The valve disk of the wastegate in the turbocharger vibrates in the valve seat, when the wastegate is slightly open (partial load operation) and causes a rattling noise.

Remedy:

The noise is normal for the current production configuration; there is no damage.

The turbochargers are technically OK and must not be replaced.

The actuation of the wastegate can be changed via Xentry so that it remains closed for longer in partial load operation. For this, the SA code 31"O" (letter O) must be added via Xentry retrofits and modifications and then SCN coding of the engine control unit must be performed.

Note: The change in the actuation can lead to slight hissing noises from the turbocharger.

Work units				
Op. no.	Operation text	Time	Damage code	Note
02-4762	CONNECT/DISCONNECT DIAGNOSIS SYSTEM (XENTRY/DAS)			
02-5058	CONNECT/DISCONNECT BATTERY CHARGER (XENTRY/DAS CONNECTED)			
02-7964	PERFORM SCN CODING IN ENGINE CONTROL UNIT (WITH XENTRY/DAS CONNECTED)		09300 36	

