

Rattling / clattering engine noise

Topic number	LI07.16-N-070308
Version	1
Function group	07.16 Diesel injection system common rail
Date	09-24-2019
Validity	Model 906 & model 907 with OM642
Reason for change	Model validity updated
Reason for block	

Complaint:

Perceptible rattling / clattering noise at idle and/or at 2000 rpm.

Attachments	
File	Description
OM642 3.MOV	Example sound file of idle speed

Cause:

This is a systemic operating noise from the high-pressure pump which occurs when it is regulating the fuel quantity. To check that this is the case, the quantity control valve can be disconnected; it should not then be possible to hear the noise. The noise does not cause any damage to the high-pressure pump or the pump drive.

Remedy:

It might be possible to reduce the noise by checking the installation position of the high-pressure pump.

See WIS document:

AR07.02-D-1020SF (model 906)

AR07.02-D-1028TSV (model 907)

Please do not replace any component parts as this is a series production configuration. Should the engine noise be different from the example in the attachment, a PTSS case must be created.

Symptoms
Power generation / Engine noise / Noise

WIS-References			
Document number	Title	Note	Allocation
AR07.02-D-1020SF	Remove/install high-pressure pump	Check installation position of high-pressure pump	Remedy

XENTRY TIPS

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AR07.02-D1028TSV	Remove/install high-pressure pump	Check installation position of high-pressure pump	Remedy
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Validity		
Vehicle	Engine	Transmission
Sprinter 907	642	*
Sprinter III	642	*