

Rattling/Clattering Noise Near High Pressure Fuel Pump

Topic number	LI07.16-P-070453
Version	1
Function group	07.16 Diesel injection system common rail
Date	10-18-2019
Validity	All cars with OM642.8
Reason for change	
Reason for block	

Complaint:

#1: Perceptible rattling/clattering sound near the high-pressure fuel pump at idle and/or at 2,000 rpm.

#2: Perceptible rattling/ clattering noise near the high-pressure fuel pump at over 2,000 rpm.

Cause:

With regard to #1: This is a normal operating noise from the high-pressure fuel pump which occurs when it is fuel quantity regulating mode. To check this, the quantity control valve can be disconnected and the noise should go away. This will not cause any damage to the pump.

With regard to #2: The high-pressure pump drive gear may not be positioned correctly.

Remedy:

With regard to #1: No action needed. Vehicle operating consistent with series design.

With regard to #2: It may be possible to reduce the noise by checking the installation position of the high-pressure fuel pump. See WIS document AR07.02-P-1020OGW. This document can be used for all model series.

Do not replace any component parts; this will not have the desired effect.

**If the noise is different from the example in the attachments: Create a PTSS case and include an audio (or video) recording along with the completed engine noise analysis sheet OF00.10-P-3000-03A (in WIS).

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

Symptoms
Power transmission / Noises / Rattling

XENTRY TIPS

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

Validity		
Vehicle	Engine	Transmission
*	642.838	*
*	642.822	*
*	642.870	*
*	642.873	*
*	642.834	*
*	642.835	*
*	642.854	*
*	642.856	*
*	642.886	*
*	642.872	*
*	642.826	*
*	642.850	*
*	642.832	*
*	642.852	*
*	642.858	*
*	642.836	*
*	642.862	*
*	642.855	*
*	642.884	*
*	642.853	*
*	642.830	*
*	642.861	*
*	642.820	*
*	642.868	*
*	642.887	*
*	642.867	*