

Noises from area of ABC pump

Topic number	LI32.50-P-052036
Version	1
Design group	32.50 Active body control (ABC)
Date	07-12-2011
Validity	MODEL 216, with M278 and without CODE (489) AIR-MATIC up to end no. 216.###-##-028500 MODEL 221, with M278 and CODE (487) ABC up to end no. 221.###-##-421500
Reason for change	Document created

Complaint:

Rattling/clattering noises from the cap on the belt pulley, see attachment "01.jpg" (item A).

Cause:

Unfavorable manufacturing tolerances of the cap cause loose seating.

Irregularities in the rotation of the ABC/ARS pump cause the protective cap to change position on the bolts below, leading to noises.

Note

The cap can be checked during operation by pressing on it gently.

- Beware of rotating parts! -

Alternatively, the cap can be removed and thereby identified as the noise source.

Attachments	
File	Designation
01.jpg	Picture: Protective ring on belt pulley

Remedy:

Replace cap with new version.

Symptoms
Power generation / Knocking/clacking / Engine noise /
Power generation / Chattering / Engine noise /
Power generation / Clanking / Engine noise /
Power generation / Rattling / Engine noise /
Power generation / Clattering / Engine noise /
Chassis/suspension / Active body control / Tandem pump / Suspension/Dampening / ABC Noise /
Chassis/suspension / Clattering / Chassis, noises /

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Non-EPC
A 278 031 02 33			Protective ring	1	Modified version with new part number	X	

Work units				
Op. no.	Operation text	Time	Damage code	Note
			3250D 36	Replace ABC pump cap with modified version