

Clunking noise from front axle suspension strut or rear axle shock absorber on short strokes of the damper

Topic number	LI32.25-P-061137
Version	1
Design group	32.25 Shock absorbers/damper struts/spring struts
Date	03-24-2015
Validity	MODEL 205 from VIN end number F095500 to VIN end number F126957 without code 489 MODEL 205 from VIN end number L000539 to VIN end number L013357 without code 489
Reason for change	Validity of replacement parts revised
Reason for block	

Complaint:

Clunking noise on rough roads, especially during short strokes of the damper.

Attachments	
File	Description
MRA rear noise check.MP3	Noise complaints - Clunking

Cause:

Damage to the piston threaded section within the damper. The piston can be bolted incorrectly and cause a noise.

Remedy:

Locate the affected suspension strut or shock absorber by performing a test drive on rough roads.

Replace the affected suspension strut or damper.

Symptoms
Chassis/suspension / Chassis, noises / Cracking
Chassis/suspension / Chassis, noises / Clattering

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 205 320 01 30			Left and right front shock-absorber strut	2	Code 485	X
A 205 320 23 30			Left and right front shock-absorber strut	2	Code 486	X
A 205 320 83 30			Left and right front shock-absorber strut	2	Code 677 up to chassis number: - L up to date 31.10.2014 (CKD) - F up to date 31.10.2014	X

A 205 320 92 30		Left and right front shock-absorber strut	2	As of chassis number: - L as of date 31.10.2014 (CKD) - F as of date 31.10.2014	X
A 205 320 02 30		Left and right front shock-absorber strut	2	Code 482	X
A 205 323 15 00		Left front shock-absorber strut	1	Code 488, as at 03/2015 part number not yet available	X
A 205 323 16 00		Right front shock-absorber strut	1	Code 488, as at 03/2015 part number not yet available	X
A 205 320 07 30		Left front shock-absorber strut	1	Code 485	X
A 205 320 08 30		Right front shock-absorber strut	1	Code 485	X
A 205 320 09 30		Left front shock-absorber strut	1	Code 486	X
A 205 320 10 30		Right front shock-absorber strut	1	Code 486	X
A 205 320 13 30		Left front shock-absorber strut	1	Code 486	X
A 205 320 14 30		Right front shock-absorber strut	1	Code 486	X
A 004 990 92 00		Hexagon head bolt, suspension strut to transverse control arm M14x1.5	2		X
N 000000 003277		Nut, suspension strut to spring control arm M14x1.5	2		X
N 910118 010003		Hexagon nut, upper suspension strut M10	2		X
N 000000 003275		Nut, suspension strut to body M10	6		X
N 910105 010010		Hexagon head bolt, shock absorber to spring control arm M10x70	2		X
A 002 990 72 54		Hexagon nut, shock absorber to spring control arm M10	2		X
N 000000 004702		Hexalobular bolt, shock absorber to frame M10x40	4	Alternatively with N910143 010014 hexalobular bolt M10x35	X
N 910143 010014		Hexalobular bolt M10x35	4	Alternatively with N000000 004702 hexalobular bolt M10x40	X
A 205 320 78 30		Left and right rear shock absorber	2	Code 485 Up to chassis number: - L000554 up to date 16.07.2014	X
A 205 320 15 30		Left and right rear shock absorber	2	Code 486	X
A 205 320 84 30		Left and right rear shock absorber	2	Code 677	X
A 205 320 81 30		Left and right rear shock absorber	2	Code 482	X
A 205 320 13 00		Left rear shock absorber	1	Code 488	X

A 205 320 14 00		Right rear shock absorber	1	Code 488	X
A 205 320 82 30		Left and right rear shock absorber	2	Code 485	X
A 205 320 20 30		Left and right rear shock absorber	2	Code 486	X
A 205 320 71 30		Left and right rear shock absorber	2	Code 485 As of chassis number: -L 000555 as of date 16.07.2014	X
A 205 320 22 30		Left and right rear shock absorber	2	Code 486	X

Work units				
Op. no.	Operation text	Time	Damage code	Note
32-1955	REMOVE/INSTALL LEFT FRONT SUSPENSION STRUT		32A09 36	Only replace the affected suspension strut
32-1908	REPLACE LEFT FRONT SHOCK-ABSORBER STRUT		32A09 36	Only replace the affected shock-absorber strut
32-1960	REMOVE/INSTALL RIGHT FRONT SUSPENSION STRUT		32N09 36	Only replace the affected suspension strut
32-1914	REPLACE RIGHT FRONT SHOCK-ABSORBER STRUT		32N09 36	Only replace the affected shock-absorber strut
32-1965	REMOVE/INSTALL FRONT SUSPENSION STRUTS (BOTH)		32301 36	Only applicable when the clunking noise is present on both sides
32-1920	REPLACE FRONT SHOCK-ABSORBER STRUTS (BOTH)		32301 36	Only applicable when the clunking noise is present on both sides
32-1065	REMOVE/INSTALL LEFT SHOCK ABSORBER OF 2ND VEH. AXLE, REPLACE IF NECESSARY		32A04 36	Only replace the affected shock absorber
32-1071	REMOVE/INSTALL RIGHT SHOCK ABSORBER OF 2ND VEH. AXLE, REPLACE IF NECESSARY		32N04 36	Only replace the affected shock absorber
32-1062	REMOVE/INSTALL SHOCK ABSORBERS (ALL (2)) OF 2ND VEH. AXLE, REPLACE IF NECESSARY		32311 36	Only applicable when the clunking noise is present on both sides
94-1017	LOCALIZE NOISES FROM SUSPENSION, TEST DRIVE BY TECHNICIAN			For damage code see individual operation items

WIS-References			
Document number	Title	Note	Allocation
AR32.25-P-1017LW	Remove/install front suspension strut		Remedy
AR32.25-P-1018LW	Disassemble/assemble suspension strut		Remedy
AR32.25-P-0110LW	Remove/install rear shock absorber		Remedy

Validity		
Vehicle	Engine	Transmission
C (205)	*	*