

"ACTIVE CURVE SYSTEM malfunction" in instrument cluster.

Topic number	LI32.34-P-058736
Version	3
Function group	32.34 Anti roll governor (WR)
Date	04-25-2019
Validity	MODEL 166 with AIRMATIC (code 489) and ACS (ACTIVE CURVE SYSTEM, code 468) MODEL 292 with AIRMATIC (code 489) and ACS (ACTIVE CURVE SYSTEM, code 468)
Reason for change	Air intake hose for model series 292 added.
Reason for block	

Complaint:

"ACTIVE CURVE SYSTEM malfunction" in instrument cluster in combination with the following fault codes in the ACS control unit:

P100000: The oil pressure at the front axle is too low. (Veh. up to approx. 7/2012)

P100200: The oil pressure at the rear axle is too low. (Veh. up to approx. 7/2012)

P1C9C00: The oil pressure at the front axle is too low. (Current veh.)

P1C9E00: The oil pressure at the rear axle is too low. (Current veh.)

In addition, the following complaints may also occur:

Gushing/flow noises from the front or rear axle area when cornering.

Oil leaking via the ACS reservoir.

Cause:

Residual air in the system.

As a result, a fault code is logged and the message appears in the instrument cluster.

Remedy:

1. Check intake line for tight seating at oil reservoir and at pump (it should not rotate; replace if necessary)
2. Fill oil reservoir up to upper line of 60° marking
3. Start engine and observe fill level
4. If the fill level drops, switch off engine and correct oil level, multiple times if necessary, until it can no longer be detected to drop.
5. If the fill level is stable, run engine at idle until there are no more bubbles in the oil reservoir
6. When the oil reservoir is free of bubbles, start the bleeding routine.
7. If there is severe foaming in the oil reservoir, abort the routine and top up the oil again, then run the engine until the reservoir is free of bubbles.
8. Restart the bleeding routine, observing the fill level and watching for foaming.

XENTRY TIPS

9. When the foaming stops, the high-pressure test can be started.

10. If the test is passed, again check that the fill level in the reservoir is at the correct level; correct if necessary.

Symptoms
Chassis/suspension / Noises / Whistles
Chassis/suspension / Suspension characteristic / Oil ejection
Chassis/suspension / Suspension/Dampening / Roll control / Malfunction

Control unit/fault code		
Control unit	Fault code	Fault text
N51/6 - Roll control (ARS166)	P1C9E00	The oil pressure at the rear axle is too low. _
N51/6 - Roll control (ARS166)	P1C9C00	The oil pressure at the front axle is too low. _

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 166 320 08 55			Intake hose	1	Special equipment code 468+M276;	X
A 001 989 24 03			Multigrade oil	1	Pentosin hydraulic oil	X
A 166 320 07 55			Intake hose	1	Special equipment code 468+M276+M002;	X
A 166 320 03 55			Air intake hose	1	Special equipment code 468+(M157/M278);	X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
32-6981	REPLACE LINE FOR ACTIVE ROLL STABILIZATION, LOCATION:.....		32604 04	
32-6983	CHECK OIL LEVEL OF ACTIVE ROLL STABILIZATION, CORRECT (AFTER CHECK)		32707 S1	
32-6990	FILL/BLEED ACTIVE ROLL STABILIZATION (AFTER CHECK)		32707 S1	

WIS-References			
Document number	Title	Note	Allocation
AR32.22-P-0021GQ	Fill and bleed Active Roll Stabilization		Remedy
BB00.40-P-0345-00A	Hydraulic fluids (Specification 345.0)		Remedy