

Fault message "AIRMATIC" or "Active Curve System" in instrument cluster

Topic number	LI32.34-P-056198
Version	3
Design group	32.34 Roll control (WR)
Date	07-15-2013
Validity	MODEL 166 with CODE 468 (Active Curve System)
Reason for change	Operation item changed
Reason for block	

Complaint:

- In vehicles up to VIN 166 ### #A 097760 without code 803, the following fault code is logged in the quick test: P1C9B00, The control unit 'Roll control' has a malfunction.
- In vehicles up to VIN 166 ### #A 097760 with code 803 or vehicles as of VIN 166 ### #A 097761, the following fault code is logged in the quick test: P1C9564, The rotation direction valve of the torsion bar "Front axle" has a malfunction.

Cause:

Monitoring of pressures in ACS is too sensitive.

Remedy:

- 1.) Check hydraulic fluid fill level and correct if necessary
- 2.) Perform Xentry update:
 For Xentry Diagnostics DVD 1/2013 use add-on 2798.
 For Xentry Diagnostics DVD 3/2013 use add-on 2799.
 For Xentry Diagnostics DVD 5/2013 use add-on 2800.
 Then use control unit programming to flash the software A166 902 5904 into the ACS control unit.

Symptoms
Chassis/suspension / Suspension/Dampening / Suspension System Function / Indicator lamp is on
Chassis/suspension / Suspension/Dampening / AIRMATIC / AIRMATIC display / Air Suspension - Service Required
Chassis/suspension / Suspension/Dampening / AIRMATIC / AIRMATIC indicator lamp / lit

Control unit/fault code		
Control unit	Fault code	Fault text
AIRMATIC - AIRMATIC (N51/3) (SPC166)	P1C9B00	Control unit "Roll control" has a malfunction.
Roll control - Roll control (N51/6) (ARS166)	P1C9564	The rotation direction valve of torsion bar "Front axle" has a malfunction. There is an implausible signal.

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 001 989 24 03			Multigrade oil	1	As required	X	

WIS-References			
Document number	Title	Note	Allocation
ar32.34-p-0021gq	Fill and bleed Active Roll Stabilization		Remedy

Validity		
Vehicle	Engine	Transmission
166.003	*	*
166.004	*	*
166.023	*	*
166.024	*	*
166.055	*	*
166.057	*	*
166.058	*	*
166.073	*	*
166.074	*	*
166.823	*	*
166.824	*	*
166.872	*	*
166.873	*	*
166.874	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
166.003	651.960	722.908
166.004	651.960	722.908
166.023	642.826	722.903
166.023	642.826	725.031
166.024	642.826	722.903
166.024	642.826	725.031
166.055	276.955	722.906
166.057	276.955	722.906
166.058	276.955	722.906
166.073	278.928	722.909

XENTRY

166.073	278.928	725.031
166.073	278.928	725.032
166.074	157.982	722.905
166.074	157.982	722.931
166.823	642.826	722.903
166.823	642.826	725.031
166.824	642.826	722.903
166.824	642.826	725.031
166.872	278.928	722.909
166.872	278.928	725.031
166.872	278.928	725.032
166.873	278.928	722.909
166.873	278.928	725.031
166.873	278.928	725.032
166.874	157.982	722.905
166.874	157.982	722.931