
Fault message in instrument cluster on engine start "Power Steering Malfunction, Service Required"

Topic number	LI46.35-P-059241
Version	1
Design group	46.35 Elec tric steering
Date	06-20-2014
Validity	Model 117 up to vehicle ident number: WD#176#### N083207 Model 156 up to vehicle ident number: WD#156#### J007025 Model 176 up to vehicle ident number: WD#176#### J259123 / WD#176####V012801 Model 242 up to vehicle ident number: WD#242#### J000427 Model 246 up to vehicle ident number: WD#246#### J251692 / WD#246####N085775
Reason for change	
Reason for block	

Complaint:

Immediately after the engine is started, the instrument cluster displays the warning message "Power Steering Malfunction, Service Required". An acoustic warning sounds at the same time. Steering system is sluggish.

Features of the problem:

1. There are no faults logged in the steering control unit (N68).
2. Fault code C063100 is logged in the ESP control unit (N30/4) together with fault code U013187 in the instrument cluster control unit (A1).

Cause:

Two possible fault causes:

1. Faulty contact of power supply to electric steering.
2. Component fault in control unit of electric steering.

Remedy:

1. Check power supply of electric steering (ground connection/ threaded connection at prefuse box).
2. If the problem is still present after the check in step 1, replace the control unit/motor unit of the electric steering.

Note: Determine current part number via EPC.

Symptoms

Chassis/suspension / Steering system / Steering System Function / Support

Chassis/suspension / Steering system / Steering System Function / Stiff movement

Work units

Op. no.	Operation text	Time	Damage code	Note
			46494 52	Electric rack-and-pinion steering control unit does not operate correctly.
54-1011	SHORT TEST PERFORM			
46-0661	INDIVIDUAL PARTS STEERING SYSTEM - CHECK ACCORDING TO FAULT CODE			Remedy 1
46-3690	MOTOR CONTROL UNIT ELECTRIC STEERING REMOVE/INSTALL, INSPECT AND IF NECESSARY REPLACE			Remedy 2

Validity

Vehicle	Engine	Transmission
A (176)	*	*
B (242, 246)	*	*
CLA (117)	*	*
GLA (156)	*	*