

Red display message in instrument cluster "Power Steering Malfunction - See Owner's Manual" immediately after engine start

Topic number	LI46.35-P-055436
Version	3
Design group	46.35 Electric steering
Date	12-20-2013
Validity	Model 204.#02/#31 with CODE 211 (Direct steering) Model 207 with CODE 211 (Direct steering), except CODE M005 (4MATIC) Model 212 with CODE 211 (Direct steering), except CODE M005 (4MATIC), except 212.074/075/076/077/274/275/276/277 Model 231.457/473
Reason for change	Validity updated

Complaint:

Red display message in instrument cluster "Power Steering Malfunction - See Owner's Manual" immediately after engine start, steering assistance reduced.

An acoustic warning also sounds.

Fault code P063500 is stored in the control unit of the electric power steering (ES) together with one of the following sub-faults 108, 176 or 209.

The sub-fault is logged in the control unit log or in the fault freeze frame data in the line "P063500 Root cause of DTC - failure ID" – see example in attachment (001).

Attachments	
File	Designation
001.pdf	Display of internal fault codes in control unit log or in fault freeze frame data

Cause:

Software of electric power steering.

Remedy:

Follow the procedure below exactly!

Model 204/207/212

1. Sub-fault 176 logged:

Perform software update of electric power steering (ES) control unit via "Adaptations"

The required software version is A212 902 42 08

2. Sub-fault 108 or 209 logged:

- Check manufacture date of steering gear -> see digits 3 (year) and 4 (day) in attachment 002:

a. Manufacture date greater than or equal to "12065": Perform software update of electric power steering (ES) control unit - see step 1

b. Manufacture date less than "12065": Replace steering gear

Note: Make sure that the current software is installed in the new electric power steering.

Model 231:

Sub-fault 108, 176 or 209 logged:

Perform software update of electric power steering (ES) control unit via "Adaptations"

The required software version is A231 902 76 02

ONLY if above steps were not successful and the current software version is already installed, please submit a PTSS case with all information.

Attachments	
File	Designation
002.jpg	- Location of steering gear number in the vehicle - Identification of manufacture date by reference to steering gear number (digits 3 and 4 are important) 1-Part number 2-Manufacturer 3-Production year 4-Production date 5-Serial number 6-Check digit

Symptoms
Chassis/suspension / Steering system / Steering System Function / Support
Chassis/suspension / Steering system / Steering System Function / Stiff movement
Chassis/suspension / Steering system / Steering System Display / Pow. steer. faulty Serviced Required

Control unit/fault code		
Control unit	Fault code	Fault text
ES - Electrical power steering (N68) (EPS212)	P063500	The electric power steering has a malfunction. _

Work units				
Op. no.	Operation text	Time	Damage code	Note
54-0991	CONTROL UNIT:..... INSTALL SOFTWARE (AFTER QUICK TEST)		46494 90	
46-3400	REMOVE/INSTALL POWER STEERING		46494 73	

WIS-References			
Document number	Title	Note	Allocation
AR46.20-P-0600RK	Remove/install rack-and-pinion steering		Remedy