

G-MOPF 2018: Warning message "Water fording not possible"

Topic number	LI09.00-P-074794
Version	1
Function group	09.00 - General
Date	5/3/22
Validity	Model 463.260/261/276/277 MOPF with modification year 19 (code XZ9), modification year 20 (code X20) or modification year 20/3 (code ZX9)
Reason for change	

Complaint

Customer reports a warning message in red in the instrument cluster: "Water fording not possible! Service required". The message is no longer active following an ignition cycle.

Attachments	
File	Description
Fehlermeldung Englisch.jpg	Fault message in instrument cluster (English)
	

Cause

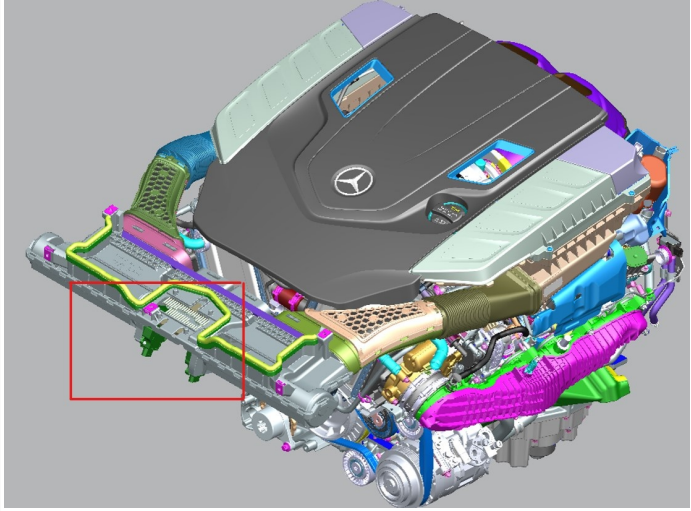
As a result of an absent or aborted reference run of the air flaps of the N127 'drivetrain' control unit (PTCU), the fault codes P153001 and P153101 are stored in the fault memory and the "Water fording not possible" warning message appears in the instrument cluster. The flap system nevertheless functions correctly.

Note: The fault codes must be the only ones stored in the fault memory. Additional entries in the fault memory that concern the intake air flap system could indicate a mechanical fault in the system.

Remedy

1. Perform software update of the N127 'powertrain' control unit (PTCU) (XENTRY data status 12/2021 or more recent)
2. Check function of air flaps M108/1 and M108/2 through actuation

3. Check actual values of fording depth sensor B168 (specified value 4.60 V ± 0.2 V)

Attachments	
File	Description
Verortung M108_1 M108_2.jpg	
	

Symptoms
Communication/information > Information display > Displays > Multifunction display > Multifunction display, error messages > Implausible messages despite properly functioning message systems
Communication/information > Information display > Displays > Multifunction display > Multifunction display, error messages > Due to faulty reporting system
Communication/information > Information display > Indicator lamp > lit

Control unit/fault code	
Control unit	Fault text
N127 - Control unit 'Powertrain' (PTCU)	P153101 - Right air flap 'Air intake' has a malfunction. There is a general electrical fault.
	P153001 - Left air flap 'Air intake' has a malfunction. There is a general electrical fault.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			5050707	Please quote number of TIPS document in message text field