

Vehicle intermittently has no power or reduced power, engine switches to unit protection function (limp-home mode)

Topic number	LI18.30-P-054921
Version	1
Design group	18.30 Oil cooling system
Date	10-31-2012
Validity	204.077/277/377 as of facelift (code 802)
Reason for change	
Reason for block	

Complaint:

Vehicle intermittently has no power or reduced power, engine switches to unit protection function (limp-home mode)

Cause:

Limits for unit protection function set out too conservatively

Remedy:

Perform software update of engine and transmission control unit.

The software can be obtained from the STAR TekInfo: STAR TekInfo/Star Diagnosis/ Downloads - Model 204 AMG with M156 engine and transmission SRCD

The software will be eventually available with DAS/Xentry version 11/2012.

Note:

Please take into consideration that, even after the temperature threshold is adjusted, the unit protection function may still become active at high outside temperatures and/or in extreme operating conditions.

In cases of issues still existing under normal operating conditions contact the DTS through the PTSS module.

Symptoms
Power generation / Engine cooling system / Cooling system function / Has a high coolant temperature
Power generation / Engine management / Engine performance / Goes into limp-home mode
Power generation / Engine management / Engine performance / No/poor output
Power generation / Engine management / Engine performance / Cuts off

Control unit/fault code		
Control unit	Fault code	Fault text
ME - Motor electronics 'ME97 AMG' for combustion engine 'M156' (N3/10) (ME97AMG)	0485	The coolant temperature of the engine is too high.

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54575 90	

Validity		
Vehicle	Engine	Transmission
204.077	*	*
204.277	*	*
204.377	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
204.077	156.985	722.907
204.077	156.985	722.930
204.277	156.985	722.907
204.277	156.985	722.930
204.377	156.985	722.907
204.377	156.985	722.930