

Check Engine Light is on with DTC P030185/ P030685 for misfire cylinder 1 and 6.

Topic number	LI07.70-P-066276
Version	7
Function group	07.70 Gasoline injection and ignition system direct injection
Date	11-13-2018
Validity	All with M177LS1 and M178 engines.
Reason for change	ME SW check
Reason for block	

Complaint:

Check engine light is on.

Cause:

Misfire detection protocol in ME SW

Remedy:

Check that the ME Control Software is up to date.

If ME Control Unit Software is NOT up to date:

1. If ME Control Unit Software is not up to date, update it along with the VGS, PTCU, and FSCU control units.
2. Ensure that all ignition coils are part number A 177 906 95 00
3. After updating, clear out the mixture adaptation data and perform 2 AMG Engine Adaptation Drives
4. Create a PTSS case and upload the old (showing the fault codes) IQT, the new (after ME update) IQT, and the injector performance data AFTER performing the 2 AMG Engine Adaptation Drives
5. The data will be reviewed and you will be given instructions on whether to release the vehicle or perform further adaptations

If ME Control Unit Software IS up to date:

Open a PTSS case.

Upload the following to the case:

- 1) MED1775 ECU Log
- 2) Quick Test with Freeze Frame Data
- 3) Injector Performance Data
- 4) Engine Performance Data
- 5) Guided Test Results

XENTRY TIPS

6) Inspection of Coils for Improved Version. PN: A 177 906 95 00

7) PICO compression test

Note: Once DTS Frontline Support has reviewed the PTSS case, it will be escalated to the PTS Service Engineer for analysis.

Symptoms
Power generation / Engine management / Engine running / Runs rough/shakes
Power generation / Engine management / Indicator lamp / Engine diagnosis / lit

Control unit/fault code		
Control unit	Fault code	Fault text
N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)	P030685	Combustion misfiring of cylinder 6 has been detected. There is a signal above the permissible limit value.
N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)	P030185	Combustion misfiring of cylinder 1 has been detected. There is a signal above the permissible limit value.

Validity		
Vehicle	Engine	Transmission
AMG GT (190) - 190.377	*	*
AMG GT (190) - 190.378	*	*
AMG GT (190) - 190.379	*	*
AMG GT (190) - 190.380	*	*
AMG GT (190) - 190.477	*	*
AMG GT (190) - 190.480	*	*
C (205) - 205.086	*	*
C (205) - 205.087	*	*
C (205) - 205.286	*	*
C (205) - 205.287	*	*
C (205) - 205.386	*	*
C (205) - 205.387	*	*
C (205) - 205.486	*	*
C (205) - 205.487	*	*