

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

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Topic number	LI07.70-P-066276
Version	3
Function group	07.70 Gasoline injection and ignition system direct injection
Date	10-13-2017
Validity	All with M178 engines.
Reason for change	Amended remedy procedures
Reason for block	

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### Complaint:

Check engine light is on.

### Cause:

Under investigation

### Remedy:

1. Process fault codes and perform guided tests.
2. Ensure that all ignition coils are part number A 177 906 95 00
3. Perform compression test via Xentry

Open a PTSS case.

IF XENTRY COMPRESSION TEST PASSES: upload the following to the case:

- 1) MED1775 ECU Log
- 2) Quick Test with Freeze Frame Data
- 3) Injector Performance Data
- 4) Guided Test Results
- 5) Results from Xentry Compression Test
- 6) Inspection of Coils for Improved Version. PN: A 177 906 95 00

IF XENTRY COMPRESSION TEST FAILS: Perform a manual compression and leakdown test and inspect the spark plugs. Then upload the following to the case:

- 1) MED1775 ECU Log
- 2) Quick Test with Freeze Frame Data

# XENTRY TIPS

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- 3) Injector Performance Data
- 4) Guided Test Results
- 5) Results from Manual Compression and Leakdown Tests
- 6) Results from Inspection of Spark Plugs
- 7) Inspection of Coils for Improved Version. PN: A 177 906 95 00

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 'M178' (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 'M178' (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	*	*