

M178/M177 Engine Intermittently has Reduced Performance (No Boost Pressure)

Topic number	LI01.20-P-065960
Version	3
Function group	01.20 Crankcase ventilation, cylinder head cover
Date	04-30-2019
Validity	BR190 with M178 BR205 with M177
Reason for change	Changed Title
Reason for block	

Complaint:

Engine Intermittently has Reduced Performance (No Boost Pressure)

No fault codes in quick test

Engine output is restored after an ignition reset

Cause:

1st cause:

Pressure transducer or vacuum supply to turbocharger not OK

2nd cause:

Crankcase ventilation/purging does not operate correctly

Remedy:

Remedy 1:

1. Check wastegate linkage for proper operation
2. Check pressure transducer, actuation via XENTRY
3. Check vacuum supply of vacuum pump (approx. 800-900 mbar)

If the function of the pressure transducer and the vacuum supply are OK, continue with Remedy 2

Remedy 2:

A178 010 37 01 Replace crankcase purge line

A178 018 04 00 Replace purge line with check valve

A001 476 44 32 Replace left tank purge valve (only in vehicles up to production date Aug. 2015)

XENTRY TIPS

A190 621 34 00 Retaining plate for purge valve (only in vehicles up to production date Aug. 2015)

A009 988 09 78 Clip (only in vehicles up to production date Aug. 2015)

Symptoms
Power generation / Engine management / Engine performance / No/poor output

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 178 010 37 01			Right purge line	1	If a new part number exists, please use it!	X
A 178 018 04 00			Purge line	1	If a new part number exists, please use it!	X
A 001 476 44 32			Purge valve	1	If a new part number exists, please use it!	X
A 190 621 34 00			Retaining plate	1	If a new part number exists, please use it!	X
A 009 988 09 78			Clip	1	If a new part number exists, please use it!	X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
01-47xx				