

MY2019+ 463 G63 with M177LS2 - CEL for Misfire

Topic number	LI07.61-P-076755
Version	1
Function group	07.61 - ME fuel injection/ ignition system
Date	7/27/23
Validity	Model Year 2019 and up 463 G63 with M177LS2 Engine
Reason for change	

Complaint

Customer complains that CEL is active in instrument cluster. May also report rough running.

Cause

Software

Remedy

Please update the ME control unit software.

The new software should include 177021216. Ensure that a sensor rotor adaptation is conducted afterwards per the instructions in Xentry.

Assess the vehicle afterwards and if the complaint is remedied, release the vehicle.

If the customer complaint is not remedied, process the vehicle via LI07.61-P-070707 and open a TIPS case with your findings.

If the vehicle is already at this software level or if software is not available, process the vehicle via LI07.61-P-070707 and open a TIPS case with your findings.

Symptoms	
Power generation > Engine management > Engine running > Runs rough/shakes	
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit	
Power generation > Engine management > Indicator lamp > Electronic diesel control > lit	
Power generation > Engine management > Engine performance > No/poor output	
Power generation > Engine management > Function > Malfunction	
Control unit/fault code	
Control unit	Fault text
N3/10 - Motor electronics 'MED1775' for combustion engine 'M176/M177' (ME) (MED1775)	P030885 - Combustion misfiring of cylinder 8 has been detected. There is a signal above the permissible limit value. P030800 - Combustion misfiring of cylinder 8 has been detected. _

XENTRY TIPS

	<p>P030785 - Combustion misfiring of cylinder 7 has been detected. There is a signal above the permissible limit value.</p> <p>P030700 - Combustion misfiring of cylinder 7 has been detected. _</p> <p>P030685 - Combustion misfiring of cylinder 6 has been detected. There is a signal above the permissible limit value.</p> <p>P030600 - Combustion misfiring of cylinder 6 has been detected. _</p> <p>P030585 - Combustion misfiring of cylinder 5 has been detected. There is a signal above the permissible limit value.</p> <p>P030500 - Combustion misfiring of cylinder 5 has been detected. _</p> <p>P030485 - Combustion misfiring of cylinder 4 has been detected. There is a signal above the permissible limit value.</p> <p>P030400 - Combustion misfiring of cylinder 4 has been detected. _</p> <p>P030385 - Combustion misfiring of cylinder 3 has been detected. There is a signal above the permissible limit value.</p> <p>P030300 - Combustion misfiring of cylinder 3 has been detected. _</p> <p>P030285 - Combustion misfiring of cylinder 2 has been detected. There is a signal above the permissible limit value.</p> <p>P030200 - Combustion misfiring of cylinder 2 has been detected. _</p> <p>P030185 - Combustion misfiring of cylinder 1 has been detected. There is a signal above the permissible limit value.</p> <p>P030100 - Combustion misfiring of cylinder 1 has been detected. _</p> <p>P030027 - Combustion misfiring has been detected. The signal change rate is above the permissible limit value.</p> <p>P030022 - Combustion misfiring has been detected. The signal amplitude is greater than the maximum amplitude.</p>
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Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note

