

Fault code(s) 13BA00, 13BB00, 13BC00, 13BD00, 13BE00, 13BF00 - Maximum actuation period exceeded during zero quantity calibration for injector of cylinder x stored in engine control unit

Topic number	LI07.16-P-055799
Version	5
Design group	07.16 Common rail diesel injection system
Date	07-02-2014
Validity	Model series 166 with OM642 LS
Reason for change	Warranty to update coding
Reason for block	

Complaint:

Fault code(s) 13BA00, 13BB00, 13BC00, 13BD00, 13BE00, 13BF00 logged in engine control unit.

Cause:

Data error in engine control unit software.

Remedy:

Update software release of engine control unit.

Note:

Replacing hardware does not remedy the issue.

Symptoms
Power generation / Engine noise / Clattering
Power generation / Engine noise / Combustion noise
Power generation / Engine noise / Rings/knocks

Control unit/fault code		
Control unit	Fault code	Fault text
CDI - Motor electronics 'CDI60LS' for combustion engine 'OM642' (N3/9) (CR60LS)	13BE00	Maximum actuation duration for zero quantity calibration for fuel injector of cylinder 3 exceeded
CDI - Motor electronics 'CDI60LS' for combustion engine 'OM642' (N3/9) (CR60LS)	13BB00	Maximum actuation duration for zero quantity calibration for fuel injector of cylinder 4 exceeded
CDI - Motor electronics 'CDI60LS' for combustion engine 'OM642' (N3/9) (CR60LS)	13BD00	Maximum actuation duration for zero quantity calibration for fuel injector of cylinder 5 exceeded

CDI - Motor electronics 'CDI60LS' for combustion engine 'OM642' (N3/9) (CR60LS)	13BA00	Maximum actuation duration for zero quantity calibration for fuel injector of cylinder 1 exceeded
CDI - Motor electronics 'CDI60LS' for combustion engine 'OM642' (N3/9) (CR60LS)	13BC00	Maximum actuation duration for zero quantity calibration for fuel injector of cylinder 2 exceeded
CDI - Motor electronics 'CDI60LS' for combustion engine 'OM642' (N3/9) (CR60LS)	13BF00	Maximum actuation duration for zero quantity calibration for fuel injector of cylinder 6 exceeded

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54581 90	Diesel engine control unit - Software release

Validity		
Vehicle	Engine	Transmission
GL (166)	642	*
M (166)	642	*