
MY 2014 CLA-250 Check Engine Light is on, possibility of ESP warning message in the IC Multi-Function display

Topic number	LI07.61-P-057868
Version	3
Design group	07.61 ME-SFI fuel injection/ ignition system
Date	01-10-2014
Validity	Valid for MY 2014 C117 with engine M270
Reason for change	Updated photos of new mounting fastener
Reason for block	

Complaint:

Check Engine Light on and / or additional warning lights or messages on in the IC Multi-Function display.

Cause:

This condition can be caused by the engine wiring harness contacting the metal bracket that fastens it to the air filter housing assembly or the harness coming into contact with the edge of the air filter housing assembly due to tight clearances between the battery and the air filter housing.

The ME control unit may have DTCs related to one or more engine sensors or functions.

There is also the possibility of events stored in other control units related to communications malfunctions with the ME control unit.

Below are examples of DTC and events which could be stored if this condition exists:

ME DTC:

P065100 "Output for the reference voltage of the sensors has an electrical fault or an open circuit"

P022300 "Position sensor 2 for the throttle valve has a short circuit to positive"

ESP DTC and Event:

C320100 "No CAN message was received from control unit Engine"

C321200 "One or more signals sent from control unit engine via the CAN bus is implausible"

Remedy:

To remedy this condition perform the following steps:

See attached presentation

1. Remove the cable tie that fastens the harness to the metal fastener at the air filter housing
2. Inspect the complete harness in the area between the battery and the air filter housing for signs of damage

3. Remove tape from harness in the area of metal fastener
4. Separate and inspect each wire within engine harness thoroughly for any signs of damage
5. Repair any damaged wires as per WIS document AR00.19-P-0001A
6. Wrap harness with Interwoven adhesive tape (A006-989-8485-10)
7. Replace the metal fastener for the harness with a new plastic fastner (part number A000-995-2192)
8. Position harness on top of fastener
9. Secure tightly using plastic cable tie

Attachments	
File	Designation
Instructions for repairing damaged engine harness V3.pdf	Instruction for locating and repairing the damaged engine wiring harness

Symptoms
Power generation / Engine management / Engine management indicator lamp / Engine diagnosis / lit

Control unit/fault code		
Control unit	Fault code	Fault text
ME - Motor electronics 'MED40' for combustion engine 'M274' (N3/10)	-	-

WIS-References			
Document number	Title	Note	Allocation
AR00.19-P-0001A	Wire Harness Repair		Remedy

Validity		
Vehicle	Engine	Transmission
*	270	*
117.301	*	*
117.303	*	*
117.312	*	*
117.342	*	*
117.343	*	*
117.344	*	*
117.346	*	*
117.352	*	*