

All MY18+ AMG-63 Vehicles: Engine May Not Automatically Restart

Topic number	LI07.61-P-070559
Version	3
Function group	07.61 ME fuel injection/ ignition system
Date	01-15-2020
Validity	All MY18 AMG 63 Vehicles
Reason for change	Fixed validity
Reason for block	

Complaint:

In ECO-stop/start mode, the engine may not automatically restart after shutting down at a complete stop. In such instances the engine requires another cycle of the ignition switch.

Cause:

Individualized examination to include further information and analysis is needed. Complaint condition could be due to a variety of causes.

Remedy:

Generate a PTSS case and escalate it immediately with the following:

- Control unit log of ME, VGS, PTCU, ESP, and F-Sam
- Transmission EEPROM
- Injector performance data
- Ring memory of ECO function
- Midtronics test from battery
- Results of checking all ground points and the START CIRCUIT/positive side terminal to starter with Voltage drop readings as outlined in attachment "Initial Electrical Check"
- Results after performing a road test to duplicate the complaint
 - Provide screen shots of the fuel rail / injector leak down (MEd_AV_Fuel system_ viewing rt/l rail sensor)
 - Must have screen shot readings every 10 min and label as follows (t=0 , T=10, T=20, t=30)
- Perform a graphical misfire representation trace per the attachment "Fault Counter Instructions"
 - NOTE: Start the engine when RPM is green press continue
 - Wait 60s and stop Attach the screen shot of the graph and another injector performance data readout

Attachments	
File	Description
grafical representation of fault counter.pdf	Graphical Fault Counter Instructions
Initial Electrical check.pdf	Initial Electrical Check

Symptoms
Power generation / Engine management / Starter motor / Function / Does not engage
Power generation / Engine management / Engine running / Stalls/goes out
Power generation / Engine management / Engine running / Cuts out intermittently

XENTRY TIPS

Power generation / Engine management / Engine start/stop / Does not start
Power generation / Engine management / Engine performance / No/poor output
Power generation / Engine management / Engine start/stop / No automatic engine start