

G-MOPF 2018: Engine does not restart after ECO stop

Topic number	LI07.70-P-074820
Version	1
Function group	07.70 - Gasoline injection and ignition system direct injection
Date	6/24/22
Validity	G550 MY 2019-2021
Reason for change	

Complaint

Engine does not restart after ECO stop. All indicator lights come on in instrument cluster. Engine can be restarted normally with ignition switch.

Fault codes P1CE200, P1D0500, or P1CDF00 may be stored in powertrain control unit N127.

Cause

ME control unit software

Remedy

Inspect the following:

- 1-12V battery using XENTRY battery tester
- 2-Connections at 12V battery
- 3-Circuit 30 and 50 connections at starter
- 4-Ground strap between powertrain and body

If no problem found during above inspections, perform test drive and evaluate ECO start/stop function.

If ECO start/stop is functioning normally, no parts should be replaced.

SW solution is in development. A PTSS case is not needed.

Symptoms
Power generation > Engine management > Engine running > Stalls/goes out
Power generation > Engine management > Engine start/stop > Does not start
Power generation > Engine management > Engine start/stop > No automatic engine start
Power generation > Engine management > Engine performance > No/poor output

Control unit/fault code

XENTRY TIPS

Control unit	Fault text
N127 - Control unit 'Powertrain' (PTCU)	P1D0500 - The ECO start/stop function has prevented an engine stop. _ P1CDF00 - The ECO start/stop function has aborted an engine start due to a fault at sensor "Neutral position of transmission" or at switch "Clutch pedal". _ P1CE200 - The ECO start/stop function has detected excessively low engine speed. _

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note