

Engine indicator lamp (MIL) on FC P049600 and P049700 or P044100 in N3/10

Topic number	LI47.10-P-073451
Version	1
Function group	47.10 - Fuel tank
Date	9/1/21
Validity	Model series 118, 177, 247 with M260
Reason for change	

Complaint

Engine malfunction indicator lamp activated after the last refueling procedure.

Fault code P049600, P049700 or P044100 stored in N3/10.

Cause

Under unfavorable circumstances, the vent valve in the fuel tank may not fully seal off the tank towards the activated charcoal canister. This in turn means that liquid fuel could enter the activated charcoal canister without hindrance.

Remedy

In addition to the guided tests in XENTRY Diagnosis, perform the below tests:

Test 1.)

Detach the bleed line from the fuel tank to the activated charcoal canister on the Quick Connector of the activated charcoal canister and check if there is any liquid fuel in the bleed line.

If there is any liquid fuel in the bleed line, replace the component parts listed below.

Test 2.)

If there is no liquid fuel in the bleed line, check the activated charcoal canister for signs of liquid fuel or strong fuel odor.

If there is any liquid fuel in the activated charcoal canister or if the activated charcoal canister exhibits an unusually high build-up of fuel odor, replace the component parts listed below.

Test 3.)

If there is no sign of liquid fuel in the activated charcoal canister, check the purge valve for liquid fuel.

If there is any liquid fuel in the purge valve, replace the component parts listed below.

Component parts:

XENTRY TIPS

- Fuel tank
- Activated charcoal canister
- Purge valve
- Filler neck

Make sure there is no more liquid fuel in the bleed line from the fuel tank to the activated charcoal canister, or in the purge line from the activated charcoal canister to the purge valve.

If liquid fuel is found during the listed tests, create an information only PTSS case with relevant pictures/videos showing the findings.

If no noticeable problems are found with any of the tests, create a PTSS case for further guidance if needed.

Symptoms				
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit				
Control unit/fault code				
Control unit		Fault text		
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME)		P044100 - The purge flow from the evaporative emission control system deviates from the specified value. _ P049700 - The purge flow of the evaporative emission control system is too low. _ P049600 - The purge flow of the evaporative emission control system is too high. _		
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			47104	Use this damage code when invoicing all the component parts and tests