

Fuel filler flap does not open or opens slowly on plug-in HYBRID gasoline vehicle

Topic number	LI88.60-P-073470
Version	1
Function group	88.60 - Exterior flaps
Date	8/11/21
Validity	Model 118, 166, 167, 177, 205, 206, 213, 222, 223, 247, 253, with code ME05/ME06/ME08/ME10

Reason for change

Complaint

Case A: Fuel filler flap opens slowly/switch flashes/tank is bleeding instrument cluster warning

Case B: Fuel filler flap does not open/switch flashes/tank venting instrument cluster warning

Cause

Case A:

- Normally, the opening time for the fuel filler flap is 5 - 60 seconds. Plug-In HYBRID gasoline vehicles are equipped with fuel tanks that store pressure to help prevent fuel emissions from escaping during electric driving. This pressure must be reduced before the fuel flap is opened. Depending on conditions (including high ambient temperatures, air pressure, and permanent electric driving), the venting period may last for up to 15 minutes. If the LED in the refueling intention switch flashes and the instrument cluster warning "Tank venting" is shown, this is not a malfunction.
- The fuel filler flap can only be opened using the refueling intention switch.

Case B:

- Refueling intention switch was not operated (pulled).
- At fuel levels greater than 75% and a vehicle engine-off time of greater than 6 hours, the LED in the refueling intention switch will not flash and an instrument cluster warning "Tank venting" is not shown and the vehicle was driven less than 500 meters, therefore the refueling intention using the refueling intention switch was not accepted and will not open the flap.
- A change was made beforehand to the codings / software on the vehicle. This rendered the engine-off time for the vehicle invalid and the vehicle had to then be driven for at least 500 meters.
- The vehicle's 12 V on-board electrical system had an interruption. This rendered the engine-off time for the vehicle invalid and the vehicle had to then be driven for at least 500 meters.

Remedy

XENTRY TIPS

Case A

- No remedy, it is not possible to bypass the time delay. This is not a malfunction.
- Do not replace any component parts

Case B

- The minimum distance traveled of > 500 meters with a fuel level > 75% and an engine-off time of > 6 hours cannot be bypassed. During the driving distance, driving should be at > 30 km/h for at least > 3 seconds. It is irrelevant here if this is done under electric or conventional power. This ensures that any fuel that has entered the vent line returns to the tank again before venting begins.
- Refueling intention function OK Fuel filler flap opens: No further steps required.
- Refueling intention function NOK: Perform quick test and check control units for fault entries.
- If no faults are present: commission driver door control unit and engine control unit using XENTRY. After this, drive for > 500 meters again, at for at least > 3 seconds the speed should be > 30 km/h.
- Refueling intention function OK Fuel filler flap opens: No further steps required.
- Refueling intention function NOK: Do not replace any component parts, please create a PTSS case.

Symptoms
Power generation > Fuel system > Fuel tank > Function > Cannot be filled up properly
Power generation > Fuel system > Fuel tank > Function > Filler cap hard to move
Body > Door/Flap > Fuel filler flap > Jammed

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
		3AW	4710452	Use damage for any required test work.