

Subject:

PHEV VEHICLE WILL NOT START (NO READY-ON) DUE TO 12V BATTERY AND/OR HIGH VOLTAGE BATTERY DISCHARGED

Service Alert No.: SA-019/24

Last Issued : 03/15/2024

BULLETIN NOTES

This bulletin supersedes the previously issued Service Alert(s) listed below.

Previous SAs:	Date(s) Issued:
SA-051/23	10/23/23 and 09/01/23

APPLICABLE MODEL(S)/VINS

2024 CX-90 PHEV 2025 CX-70 PHEV

DESCRIPTION

Some customers may experience a vehicle no start (no "Ready-ON") due to the 12V battery discharged or the High Voltage (HV) battery discharged. This may be caused by:

- Ignition left ON when exiting the vehicle (exiting the vehicle during "Ready-On").
- Door/liftgate opened multiple times without ignition "Ready-ON" or driving vehicle.
- Installation of aftermarket electronic devices.

To minimize THE battery drain concern, ensure that the vehicle shift selector is in Park when exiting and verify the ignition is turned OFF when exiting.

NOTE: If multiple door/liftgate opening without "Ready-ON', drive vehicle to charge 12V battery.

Customers having this concern should have their vehicle repaired using the following repair procedure.

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REPAIR PROCEDURE

Conditions	12V Battery	High Voltage Battery	Repair
Condition 1	Discharged	Unknown	 Jump Start the 12V battery. Did vehicle start? Yes - Charge the 12V battery No - <u>With</u> MDARS - Go to Condition 2, MDARS PID data check and Repair. <u>Without</u> MDARS - Go to Condition 3, Infotainment Center Display SOC % check and Repair.
Condition 2 MDARS is available for use	12V Battery is OK (12.4 V or higher)	Discharged MDARS -> PID/DATA MONITOR TABLE [MHB (e- SKYACTIV PHEV)] PID data: • HV_BATT_SOC - 0-6% • HV_BATT_VOLT - below 300V	 Charge the HV Battery using wall charger. Note: If a wall charger is not available, go to next step. Using a donor PHEV vehicle (A) with a high SOC%, turn on the AC Power Outlet (120 V/1,500 W) a. Ignition ON without depressing brake pedal "Not Ready-ON" b. Press the power switch 2 times. C. The indicator light flashes and turns on solid amber when it is ready to be used. C. The indicator light flashes and turns on solid amber when it is ready to be used. d. Open the lid and connect the vehicle supplied HV charge cable (B). Connect the other end of the vehicle supplied HV charge cable to the vehicle (C) charge port. Vehicle (C) charge port indicator will illuminate solid green.

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			 (A) - Doner vehicle equipped with 1500w charging outlet and with high HV Battery SOC%. (B) - Vehicle supplied HV charge cable (C) - Vehicle with discharged HV Battery
			4. When vehicle (C) shows PID data HV_BATT_ SOC 7% or higher, try to start vehicle.
Condition 3 MDARS is <u>NOT</u> available for use	12V Battery is OK (12.4 V or higher)	Discharged Infotainment Center Display -> Information Information Information Navigation Statings -> High Voltage Battery Monitor Information	 1. Charge the HV Battery using wall charger. Note: If a wall charger is not available, go to next step. 2. Using a donor PHEV vehicle (A) with a high SOC%, turn on the AC Power Outlet (120 V/1,500 W) a. Ignition ON without depressing brake pedal "Not Ready-ON" b. Press the power switch 2 times. C. The indicator light flashes and turns on solid amber when it is ready to be used. E. The indicator light flashes and turns on solid amber when it is ready to be used. d. Open the lid and connect the vehicle supplied HV charge cable (B).
			3. Connect the other end of the vehicle supplied

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	HV charge cable to the vehicle (C) charge port. Vehicle (C) charge port indicator will illuminate solid green.
	 (A) - Doher Vehicle equipped with 1500w charging outlet and with high HV Battery SOC%. (B) - Vehicle supplied HV charge cable (C) - Vehicle with discharged HV Battery 4. When vehicle (C) shows Battery Charge Level 1 % or higher, try to start vehicle.

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