



GROUP  
**Electrical**

MODEL  
**All Hybrid Models**

NUMBER  
**PS581**

DATE  
**November 2018**



## TECHNICAL OPERATIONS

**SUBJECT:**

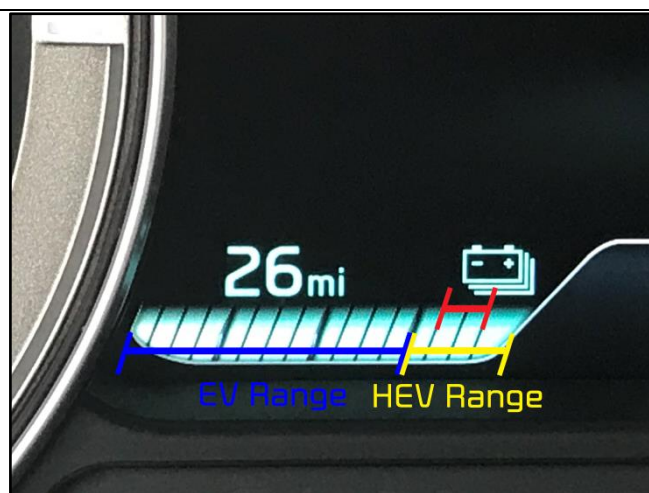
### HYBRID HV BATTERY SOC GAUGE

This Pitstop provides information regarding the State of Charge (SOC) gauge on all Kia Hybrid (P/HEV) vehicles. Normal operation of the HEV SOC gauge is between 40-60%, depicted by red marks in photos. This is to allow for regeneration and degeneration of the HEV battery.

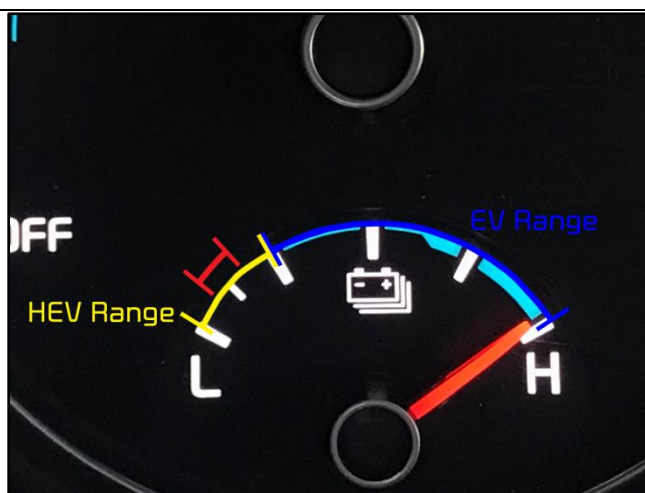
Main examples outside the normal SOC gauge operation:

- A lower than normal SOC gauge displayed can be caused by extended driving on uphill grades.
- A higher than normal SOC gauge displayed can be caused by extended driving on downhill grades.

Model	Model Year
Niro (DE P/HEV)	2017~
Optima Hybrid (TF HEV)	2011-2016
Optima Hybrid (JF P/HEV)	2017~



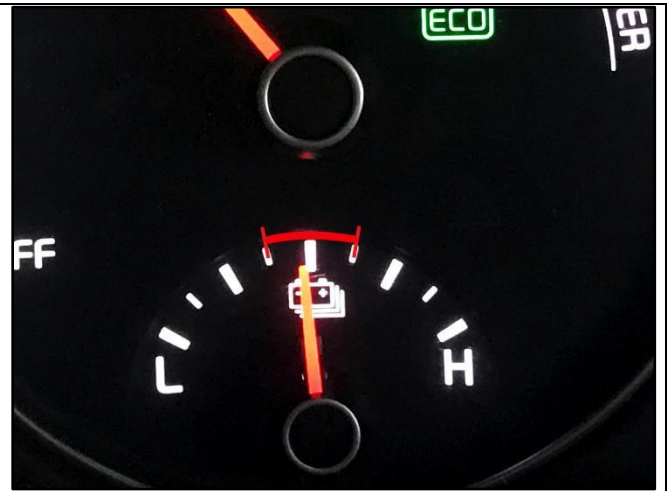
Niro (DE PHEV)



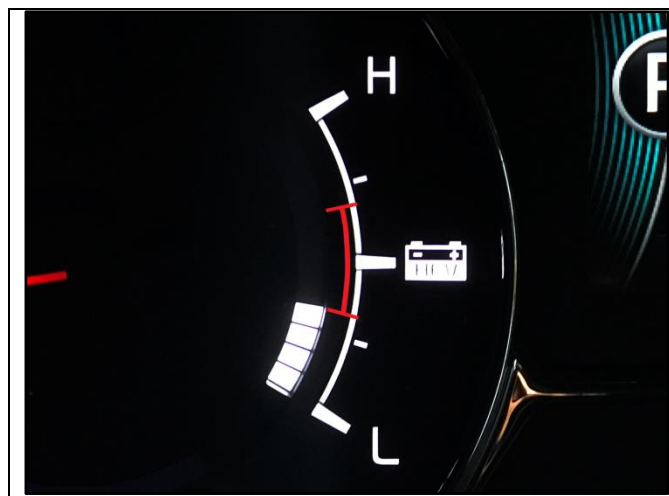
JF PHEV



Niro (DE HEV)



JF HEV



TF HEV