



GROUP  
ELE

MODEL  
See Model List

NUMBER  
163

DATE  
May 2019

## TECHNICAL SERVICE BULLETIN

**SUBJECT:** PARASITIC DRAW INSPECTION AND REAR  
DOOR LATCH REPLACEMENT

This bulletin provides the procedure to inspect for a parasitic draw and, if necessary, replace one or both rear door latches on some of the following vehicles which may experience a discharged 12v battery. Follow the procedure in this bulletin to inspect the vehicle for a parasitic draw due to either of the rear door latches and, if necessary, replace the left and/or right rear door latch(es).

Model Year	Production Date Range	Model
2018	September 26, 2017 through March 30, 2018	Niro Plug-in Hybrid (DE PHEV)
2017-2018	August 25, 2016 through March 30, 2018	Optima Plug-in Hybrid (JF PHEV)
2015-2018	July 15, 2014 through May 14, 2018	Soul EV (PSEV)



File Under: <Electrical>

Circulate To:  General Manager  Service Manager  Parts Manager  
 Service Advisors  Technicians  Body Shop Manager  Fleet Repair

## PARASITIC DRAW INSPECTION AND REAR DOOR LATCH REPLACEMENT

### Inspection Procedure:

1. Retain or record the customer's radio presets using a Memory Saver.
2. Prepare the vehicle for a parasitic draw inspection by referring to steps 1 through 4 of the "Vehicle Parasitic Current Inspection" section of the "Maintenance → Power Train → Battery → Repair procedures" chapter in the applicable Shop Manual on KGIS.

### NOTE:

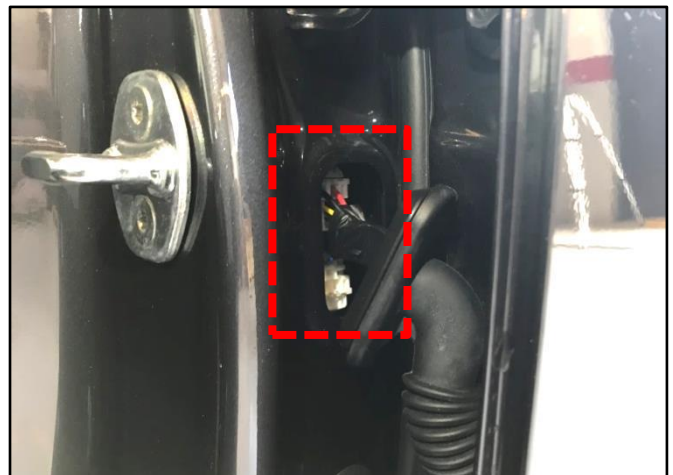
1. Open the front doors and manually close the front door latches.
  2. If the 12v battery is located under the hood, leave the hood open and if applicable, disconnect the hood switch.
  3. If the 12v battery is located in the trunk, leave the trunk open and manually close the trunk latch.
3. After the vehicle is in sleep mode, observe the connected ammeter for a few minutes.
    - If the current does not go over 50mA, reinstall the negative (-) battery terminal in the reverse order of removal. No further action is required. Verify customer's radio presets were retained or restore, if necessary, using recorded information in step 1.
    - If the current goes over 50mA, proceed to the next step.



4. Disconnect the left rear door harness behind the rubber grommet, located at the B-pillar.

Allow the vehicle to go back to sleep mode and then observe the ammeter for a few minutes.

- If the current does not go over 50mA, replace the left rear door latch by following the door latch replacement procedure on page 3.
- If the current goes over 50mA, proceed to the next step.



SUBJECT:

## PARASITIC DRAW INSPECTION AND REAR DOOR LATCH REPLACEMENT

5. Disconnect the right rear door harness, located at the B-pillar.

Allow the vehicle to go back to sleep mode and then observe the ammeter for a few minutes.

- If the current does not go over 50mA, replace the right rear door latch by following the door latch replacement procedure on page 3.
- If the current goes over 50mA, further diagnosis or repair is required and not covered in this bulletin. File a separate claim if necessary.

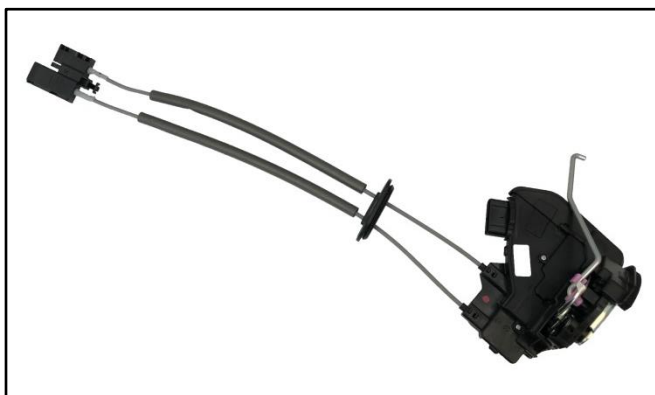


### Door Latch Replacement Procedure:

1. Replace the left and/or right rear door latch assembly (per inspection result) by referring to the “Body (Interior and Exterior) → Rear Door → Rear Door Latch → Repair procedures” chapter in the applicable Shop Manual on KGIS.

#### ★ NOTICE

**On Optima Plug-in Hybrid (JF PHEV) vehicles, removal of the rear outside door handle is mentioned in the Shop Manual under repair procedures of the Rear Door Module; however, this is not necessary for replacement of the rear door**



Note: The rear door latch assembly may differ from model to model. Shown above is from a Niro Plug-in Hybrid (DE PHEV).

2. Verify customer's radio presets were retained or restore, if necessary, using recorded information in step 1 of the Inspection Procedure.

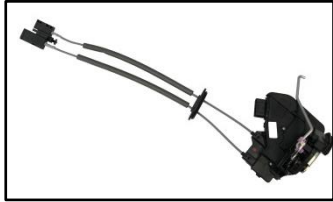
SUBJECT:

## PARASITIC DRAW INSPECTION AND REAR DOOR LATCH REPLACEMENT

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Niro Plug-in (DE PHEV)	September 26, 2017 through March 30, 2018
Optima Plug-in (JF PHEV)	August 25, 2016 through March 30, 2018
Soul EV (PSEV)	July 15, 2014 through May 14, 2018

REQUIRED PART:

Model	Part Name	Part Number	Figure
Niro Plug-in (DE PHEV)	LR Latch Assembly	81410 G5000FFF	 <p>Note: DE PHEV latch shown</p>
	RR Latch Assembly	81420 G5000FFF	
Opt. Plug-in (JF PHEV)	LR Latch Assembly	81410 D4000FFF	
	RR Latch Assembly	81420 D4000FFF	
Soul EV (PSEV)	LR Latch Assembly	81410 B2000FFF	
	RR Latch Assembly	81420 B2000FFF	

WARRANTY INFORMATION:

**N Code: I14 C Code: ZZ4**

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
DE PHEV, JF PHEV, PSEV	W	Refer to EPC	0	Parasitic Draw Inspection Only	81410F01	0.3 M/H	N/A	0
Niro Plug-in (DE PHEV)	W	Refer to EPC	0	Parasitic Draw Inspection & Rear Door Latch Replacement (One Side)	81410F02	0.8 M/H	81410 G5000FFF	1
							OR	
Opt. Plug-in (JF PHEV)					81410F02	1.0 M/H	81410 D4000FFF	1
			OR					
Soul EV (PSEV)					81410F02	1.2 M/H	81410 B2000FFF	1
							OR	
							81420 B2000FFF	
Niro Plug-in (DE PHEV)	W	Refer to EPC	0	Parasitic Draw Inspection & Rear Door Latch Replacement (Both Sides)	81410F03	1.2 M/H	81410 G5000FFF	1
Opt. Plug-in (JF PHEV)					81410F03	1.5 M/H	81410 D4000FFF	1
							OR	1
					81410F03	1.9 M/H	81410 B2000FFF	1
Soul EV (PSEV)							OR	1