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GROUP: 08 - Electrical

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SUBJECT:

BEV/Hybrid - Showroom and Display Vehicle Battery Maintenance

OVERVIEW:

This information only bulletin discusses procedures that must be followed for BEV/Hybrid vehicles that are on display at dealership showrooms.

MODELS:

2020 - 2022	(BV)	Jeep Renegade
2020	(M7)	Jeep Compass
2021 - 2022	(MV)	Jeep Compass
2021 - 2022	(JL)	Jeep Wrangler
2017 - 2022	(RU)	Chrysler Pacifica
2013 - 2019	(FF)	Fiat 500

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, LATAM, APAC and EMEA.

CAUTION! Using instruments that do not meet the minimum requirements for recharging batteries, does not allow nor guarantee recharging the battery correctly and could seriously damage the car's electrical/electronic components.

CAUTION! Using the incorrect battery charger, which does not meet the minimum requirements for recharging batteries, may not recharge the battery correctly and could damage the battery and/or the vehicles electrical components. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>08 - Electrical / 8F - Engine Systems / Battery System / Battery / Standard Procedure.

DISCUSSION:

Please note that to manage the vehicles in the showroom, the following procedures and instructions regarding the use of batteries must be observed:

1. Charge the HV battery to 90% (high voltage battery/traction battery) before putting the vehicle in the showroom.
2. Make sure that the engine hood is closed correctly.
3. Check the SOC (State of Charge) of the HV battery once a week and charge it to 90% if the SOC is less than 30%.
4. If the side lights will be turned on fixed/for a long period of time, leave the vehicle switched to key on, the keys must be left in the vehicle.
5. Switch the vehicle to key on at least once a day for at least 30 minutes, in order to charge the LV battery (low voltage 12V).

- Check the SOC of the LV battery once a week using the wiTECH diagnosis equipment. Remember that the vehicle will not wake up automatically if the vehicle was not switched to key on during the 24 hours prior to the programmed wake up time.

CAUTION! It is recommended to strictly observe the above instructions to avoid problems due to the vehicle battery discharging too much.

WARNING! Indications below needed only if necessary to recharge the 12V battery with an external charger.

Before charging the 12V battery, disconnect any charging devices and the diagnosis equipment (if connected), open the driver's door and fully roll down the window, turn the key or set the starter button to OFF. Remove the key and put it in a safe location away from the vehicle, close the driver side door, wait 5 minutes. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>08 - Electrical / 8F - Engine Systems / Battery System / Battery / Standard Procedure.

CAUTION! Never perform a Key-on while the 12V battery is charging, and make sure that the wiTECH Micropod is disconnected.

NOTE: The remaining steps in this informational service bulletin do not apply to any vehicles in North America.

(MV, M7 & BV only)

- Press the retainer, disconnect and isolate the 12-volt negative battery cable from the battery negative terminal (Fig. 1) .

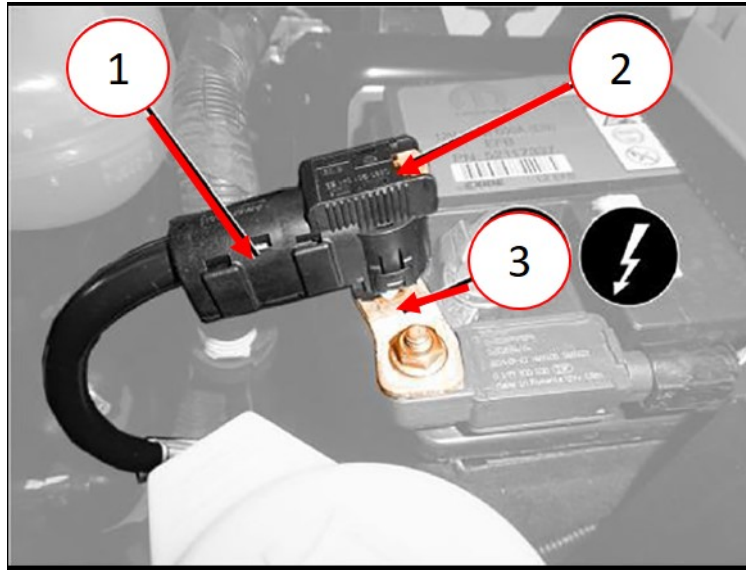


Fig. 1
Negative Post

- 1 - Retainer
- 2 - Battery Cable
- 3 - Battery Negative Terminal

- Remove the load floor (Fig. 2) .

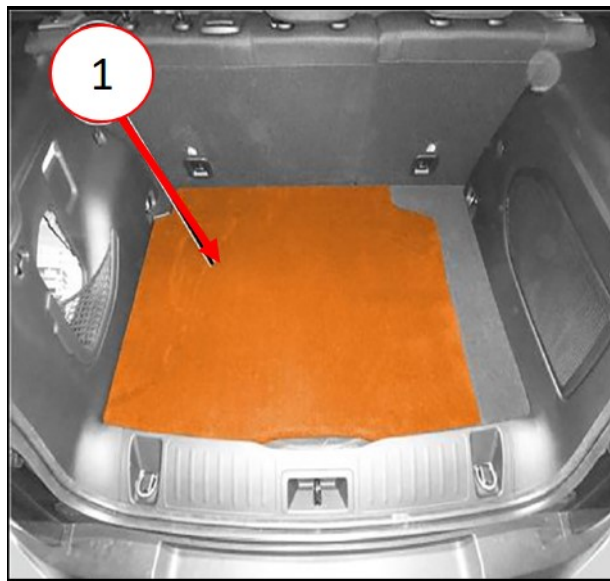


Fig. 2
Load Floor

- 1 - Load Floor

- Release the retaining clips and remove the protective cover to access the High Voltage Interlock (HVIL) connector (Fig. 3) .

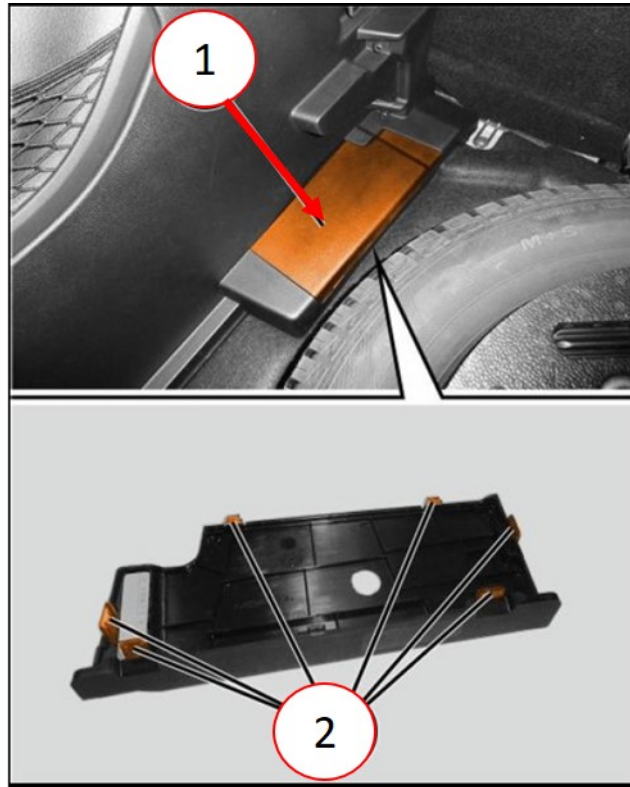


Fig. 3
Protective Cover

- 1 - Protective Cover
 - 2 - Retaining Clips
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- Extract the lock of the HVIL connector. Press and extract the contact slide to the end of its travel, for complete access to the service lockout loop (Fig. 4) .

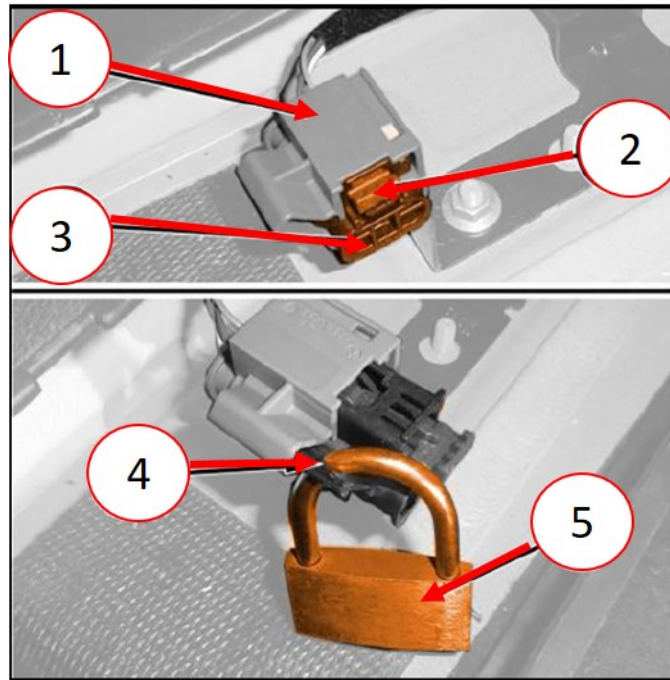


Fig. 4
Lockout

- 1 - HVIL Connector
- 2 - Lock Tab
- 3 - Contact Slide
- 4 - Lockout Loop
- 5 - Padlock

- The 12V battery can now be charged.

CAUTION! Keep the key of the padlock in a safe place, to prevent unauthorized removal of the padlock.

POLICY:
Information Only