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Symptom/Vehicle Issue: Discharged Battery, Ignition Off Draw (IOD) From Aftermarket Electronic Accessories

Discussion: The customer may find the vehicle's battery is discharged. This may be caused by aftermarket accessories connected to the vehicle. Commonly GPS trackers have been known to cause Ignition Off Draws resulting in discharged batteries.

All WL & WS Models have the capability to purchase GPS tracking through the onboard infotainment system/Atlantis EE Architecture. There is no need to have any type of aftermarket GPS system added to those vehicles (at dealer or after sales) and put the customer at risk for a drained battery.

Diagnostics: Confirm the vehicles exhibits an IOD by following the diagnostic procedure located in Service Library under *08 - Electrical / 8F - Engine Systems / Battery System / Diagnosis and Testing IGNITION OFF DRAW TEST*.

Check for any other applicable service actions that may resolve IOD concerns. (Recalls, CSNs, RRT's, and TSB's), SOL Publications, and/or MasterTECH App Training Articles. If none are found, inspect the vehicle for aftermarket accessories that may be plugged into the DLC, or may be hardwired into the vehicle's communication network and likely hidden. The device shown in the photos below has the ability to either be hardwired or plugged in at the DLC. For vehicles equipped with a Security Gateway Module, aftermarket components will commonly be found hardwired to the communication network after the Security Gateway Module.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



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Example of aftermarket GPS device found in the OBD II port.



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Repair: If an aftermarket device is found, isolate it from the vehicle electrical system and verify the IOD is no longer present. Once the aftermarket equipment is confirmed as the source of the IOD, discuss your finding with the customer to explain the device should be permanently removed from the vehicle.

Recommend the built in GPS tracking as mentioned previously or for other electronic devices refer the customer to the approved list of Mopar Accessories.

Verification: Allow the vehicle to enter a sleep cycle while measuring IOD. Confirm the draw is below 50mA.

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