

Subject		Market	
<b>12 Volt Battery Discharge Diagnostic Recommendations</b>		USA	
Service Category		Section	
Power Source/Network		Battery/Charging	
Applicability			
ES300H, ES350, UX200, UX250H			

**APPLICABLE VEHICLES**

2020-2021	UX250H	2020-2021	UX200
2020-2021	ES300H	2020-2021	ES350

**CONDITION**

A 12-volt battery discharged and/or dead condition can be due to multiple causes. In order to properly diagnose and determine the root cause it's important to follow a structured process to identify any contributing issues and determine the proper remedy.

**RECOMMENDATIONS**

12-volt battery diagnostic recommendations:

- 1) Check for aftermarket items in the vehicle such as aftermarket battery chargers for cellular phones, e-cigarettes, vape pens, RC cars, etc. Be aware some Insurance monitors attached to DLC3 can keep the CAN bus awake intermittently and discharge the battery. Remove such items if voltage is present with key off as they may back feed voltage into the vehicle.
- 2) Confirm vehicle is driven sufficiently to keep battery charged. A trickle charger or recommendation to drive at highway speeds on a regular basis will aid in preventing dead battery conditions.
- 3) Test the battery by using the DCA in diagnostic mode. Do not abort the test, let it fully charge and go into topoff mode.
- 4) If DCA says "good recharge," it has a reduced charge. If you then attempt to charge it too soon again, you may get a different result, and fail a good battery.
- 5) If this occurs after an initial good recharge result, reduce the surface charge by turning the accessories and headlamps on for 60 seconds before testing/charging again. Normally batteries which were very discharged and recharged are not supposed to be tested/charged for 24 hours.
- 6) If the battery tests good, please follow the directions in the L-SB below to address battery discharge.

Note: Reference Lexus Warranty Policy and Procedures Policy 4.10 for warranty submission for charging time.

**LINK REFERENCES**

1. [L-SB-0036-20: '20-'21 ES300H, '20-'21 ES350, '20-'21 UX200, '20-'21 UX250H: DCM Reset and Firmware Update \(LG\)](#)