

Subject		Market
DTC U010087 & No Start / Replaced Engine ECU After Jump Starting		USA
Service Category	Section	
Engine/Hybrid System	Engine Control	
Applicability		
Lexus: CONV / HEV - A25A, T24, 2GR		

APPLICABLE VEHICLES

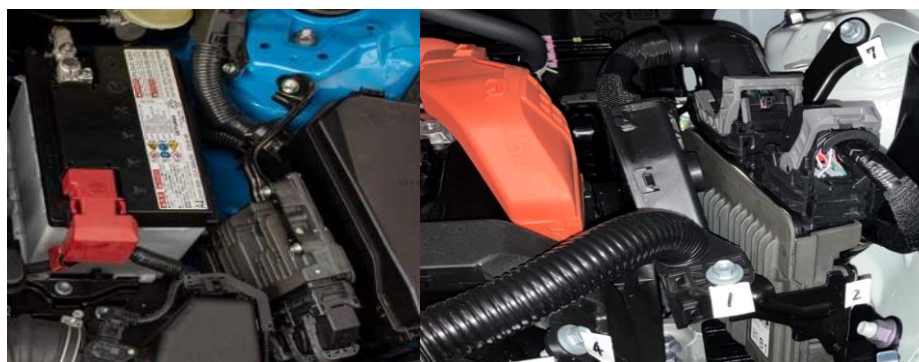
2023-2024	RX350H	2024	TX550H+
2019-2024	ES300H	2022-2024	NX250
2022-2024	NX350H	2023-2024	RX500H
2022-2024	NX350	2022-2024	NX450H+
2023-2024	RX350	2019-2024	ES350
2024	TX350	2021-2024	ES250
2024	TX500H	2024	RX450H+

CONDITION

After jump-starting, the vehicle may experience a no-start condition and multiple DTCs including U010087 - Lost Communication with ECM/PCM "A" Missing Message. Upon investigation, it is found that the engine ECU has been damage and needs to be replaced. In several cases, the cause of the ECU damage was improper jump starting. Further investigation found that ECU damage may occur if the negative (ground) cable clamps are attached on or around the engine ECU or mounting bracket. Please refer to (Fig. 1 and 2) for risk point locations on Conventional and HEV engines.

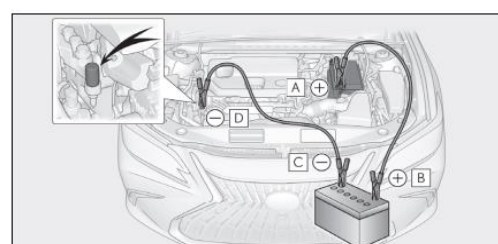
RECOMMENDATIONS

To prevent this condition from occurring, it is recommended that the jumper cables be attached as described in the owner's manual. Below is an example of the correct jump start locations for 23MY ES250 (Fig 3). Please consult the appropriate owner's or repair manual to confirm the correct jump start location on other models.



Conventional Engines (Fig. 1)

HEV, PHEV, 1M-HEV (Fig. 2)



- A Positive (+) battery terminal (your vehicle)
- B Positive (+) battery terminal (second vehicle)
- C Negative (-) battery terminal (second vehicle)
- D Metallic point shown in the illustration

Correct Jump Start Location (Fig.3)

LINK REFERENCES

This Tech Tip does not contain any link references