

Subject

DTC U010087 & No Start/ Replaced Engine ECU After Jump Starting

Market

USA

Service Category

Engine/Hybrid System

Section

Engine Control

Applicability

A25A-FXS

APPLICABLE VEHICLES

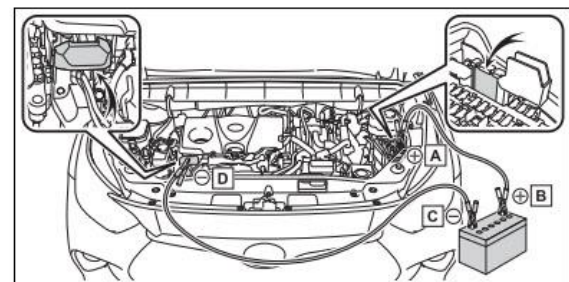
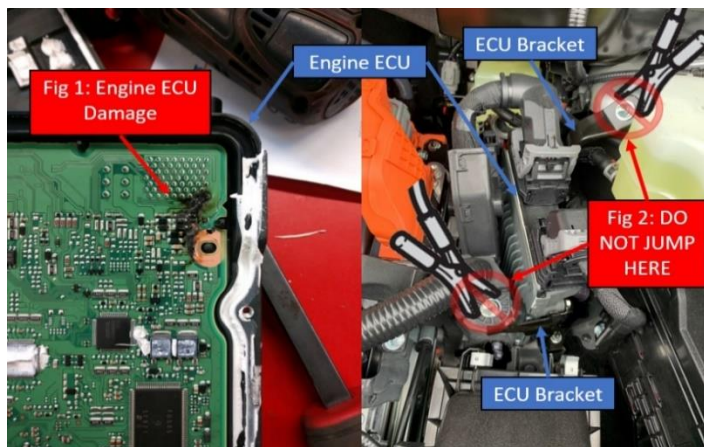
2019-2022	Avalon HV	2021-2024	Venza HV
2020-2023	Highlander HV	2023-2024	RAV4 Prime
2023-2024	RAV4 HV	2020-2024	Camry HV
2021-2024	Sienna HV		

CONDITION

After jump-starting, the vehicle may experience a no-start condition and multiple DTCs including U010087. Upon investigation, it is found that the engine ECU has been damaged and needs to be replaced (Fig 1). In several cases, it was found that the cause of the ECU damage was improper jump starting. Further investigation found that ECU damage may occur if the jumper cables are hooked up on or around the engine ECU or ECU mounting bracket (Fig 2).

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 22 MY Highlander HV (Fig 3). Please consult the appropriate owners or repair manual to confirm the correct jump start location on other models.



- [A] Exclusive jump starting terminal (your vehicle)
- [B] Positive (+) battery terminal (second vehicle)
- [C] Negative (-) battery terminal (second vehicle)
- [D] Solid, stationary, unpainted metallic point away from the exclusive jump starting terminal and any moving parts as shown in the illustration

LINK REFERENCES

This Tech Tip does not contain any link references