

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**

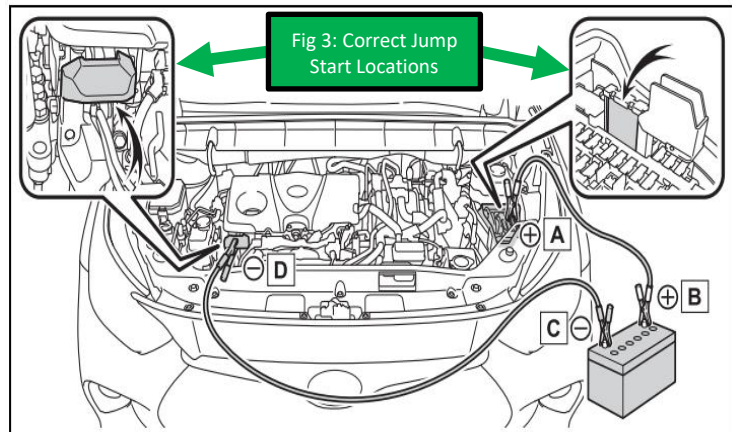
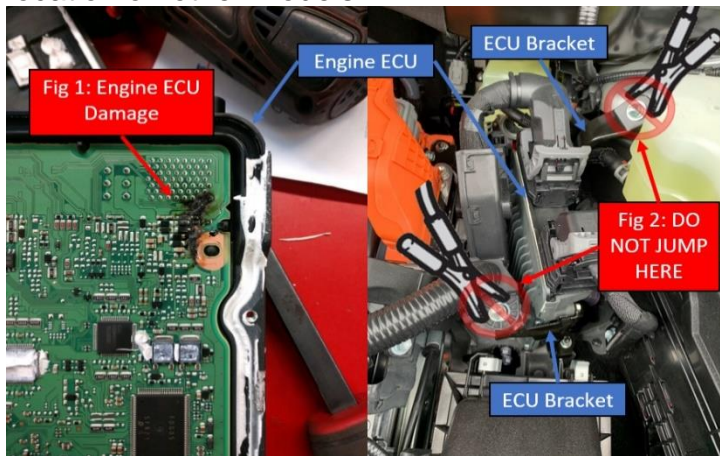
2019-2022	Avalon HV	2021-2022	Venza HV
2020-2022	Highlander HV	2021-2022	RAV4 Prime
2019-2022	RAV4 HV	2020-2022	Camry HV
2021-2022	Sienna HV		

**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 repair manual to confirm the correct jump start location on other models.



**LINK REFERENCES**

This Tech Tip does not contain any link references