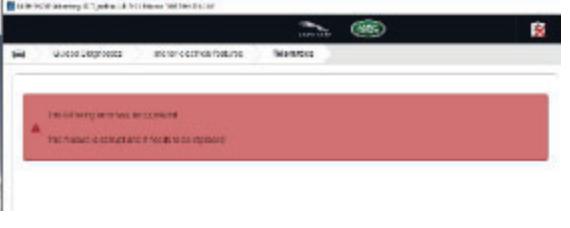# TECHNICAL TOPICS
ELECTRICAL

TCU3 Programming Concerns	17-22MY Range Rover, RR Sport, RR Velar, RR Evoque, Discovery, Discovery Sport, XE, XF, F-PACE, F-TYPE, E-PACE fitted with TCU3

Customer Voice:
- Connectivity functions are no longer working (InControl App, SOTA, Traffic Information, Data Functions), SOS malfunction, Erroneous E-Call Trigger

Technical Description:
- Various symptoms related to TCU functionality
- Numerous error modes may be resolved without updating or replacing the TCU.

Status:
- Ensure customer account is active using InControl Portal
- Ensure ALL faults are worked through using TOPIx diagnostics, and Pinpoint tests prior to any update attempts on the TCU
- Complete Guided Diagnostics only after ensuring information on TOPIx has been referenced.
- There have been programming improvements in PF 368 that will also transition to Cloud when implemented, however there will still be some modules that require additional support.
- Please escalate ALL TCU3 programming failures through the TA process, this include situations where Pathfinder states "Corrupt Module Requiring Replacement", or software level below 10.2
- There is a process in place to recover these modules through sending the module into Mahwah.

Refer to TOPIx workshop manual 415-01: Diagnosis and Testing- Telematics