

	Regulatory Recall Method-Sheet		RRM0019
	21V311 Inverter Timeout Remedy- Phase 2 Instructions		Rev: 0
Author: PeteZ	PO: Dir Q&RA	Appr: Dir Q&RA	Date: 05/10/2021

1 PURPOSE


Safety Recall Remedy Instructions: Battery Shutdown May Occur Unexpectedly

2 AFFECTED VEHICLES

Model Year	Model	VIN Range
2019	FUV Evergreen	7F7ATR312KER00000 - 7F7ATR317KER00056
2020	Deliverator-1	7F7ADR316LER00001 - 7F7ADR315LER00006
2020	FUV Evergreen	7F7ATR312LER00001 - 7F7ATR310LER00126
2020	Roadster	7F7ARR314LER00001 - 7F7ARR31XLER00004
2021	Deliverator-1	7F7ADR314MER00001 - 7F7ADR318MER00003
2021	Rapid Responder	7F7AER318MER00001 - 7F7AER318MER00001
2021	Roadster	7F7ARR312MER00001 - 7F7ARR314MER00002
2021	FUV	7F7ATR310MER00001 - 7F7ATR315MER00009
2021	FUV	7F7ATR313MER00011 - 7F7ATR314MER00048
2021	FUV	7F7ATR312MER00050 - 7F7ATR313MER00056
2021	FUV	7F7ATR319MER00059 - 7F7ATR317MER00061
2021	FUV	7F7ATR310MER00063 - 7F7ATR31XMER00068
2021	FUV	7F7ATR318MER00070 - 7F7ATR318MER00070
2021	FUV	7F7ATR318MER00084 - 7F7ATR318MER00084
2019	FUV Evergreen	7F7ATR312KER00000 - 7F7ATR317KER00056

3 BACKGROUND

Due to an unintended software behavior, communication between inverters may time out. If a specific inverter message times out, this will lead to the traction contactor opening, which will lead to unexpected battery shutdown and immediate loss of traction-power, which would make the vehicle more difficult to control and increase the likelihood of a crash.

	Regulatory Recall Method-Sheet		RRM0019
	21V311 Inverter Timeout Remedy- Phase 2 Instructions		Rev: 0
Author: PeteZ	PO: Dir Q&RA	Appr: Dir Q&RA	Date: 05/10/2021

Phase 1 of the software/firmware update was completed as part of Recall 19V834, (Remedy Recall Instructions RRL0007.) This remedy is the second phase of the software/firmware update to permanently correct the unintended software behavior.

4 OWNER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

5 CORRECTIVE ACTION

Owners will be notified by mail and instructed to contact Arcimoto to schedule a service appointment to have their inverter software/ firmware reprogrammed. There will be no charge to vehicle owners for this service. To the best of our knowledge, no owners have incurred any costs resulting from this defect.

6 PARTS INFORMATION

No new parts are required to complete the remedy action; updated firmware files.

7 RELATED DOCUMENTS AND RESOURCES

- sdf
- sdf

8 SERVICE PROCEDURE

8.1 BEGIN.

8.2 END.

	Regulatory Recall Method-Sheet		RRM0019
	21V311 Inverter Timeout Remedy- Phase 2 Instructions		Rev: 0
Author: PeteZ	PO: Dir Q&RA	Appr: Dir Q&RA	Date: 05/10/2021

9 REVISION HISTORY

Function	Role	Name	Signature	Date
Author	Dir Q&RA	Pete Z	<insert name>	05/10/2021
PO	Dir Q&RA	Pete Z	<insert name>	05/10/2021
Approver	Dir Q&RA	Pete Z	<insert name>	05/10/2021
Checker	RA RCA	Raymond S	<insert name>	05/10/2021

Revision		Reason for change;
#	Date Issued	Summary of change from prior Revision
0	05/10/2021	Initial Issue Safety Recall Remedy Instructions: High-Voltage Cable Short May Cause Battery Shutdown