

Technical Service Bulletin

TSB No: TSB-H1121-002	Revision: v1	Date: 11/16/21	Lucid Motors, Inc
Document Classification: Check and Correct	VIN Range: See Additional Information	Model: 2022 Lucid Air	
Title: Charging cable to I-Shaft Interference	Section/Group:	Country/Region: USA	

Concern:

Charging cable may contact the steering I-Shaft, which could result in damage to the charging cable.

Cause:

The charging cable may have been misrouted near steering I-Shaft, causing it to contact components in certain conditions.

Correction:

The Charging cable needs to be inspected for signs of damage and acceptable clearance to steering I-shaft and surrounding components.

- If damage is found to the charging cable, the charging cable should be replaced.
- If incorrect routing is found but no damage, reroute the cable to spec.

For replacement please follow service manual instructions.

Parts Information:

If damaged - Charging cable PN: P11-H91600-01

Warranty Information:

To ensure the repair is processed correctly, please code the following fields on the job line:

Job Code: TSB-H1121-002

Pay Type: Rectify

Causal Part Number: P11-H91600-01

Defect Code: Improper Routing

Labor Operation Code - 55.053501

Labor Operation Description - HV Harness Inspection

FRT - 0.2

Additional Information:

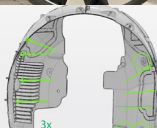
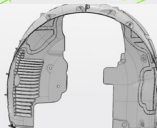
*The Charging cable is a part of the HV circuit but only live when the vehicle is connected to a HV charger and charging.

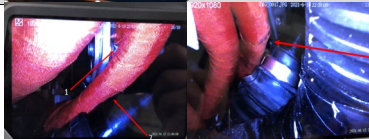
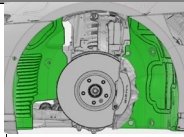
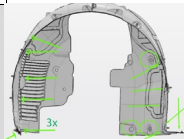
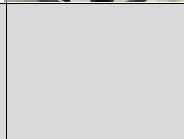
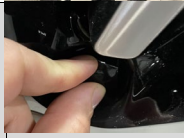
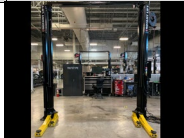
*For affected VINS please follow this link -

[Click for VIN list](#)

Procedure Name: HV harness clash inspection

Version:V1

Step	Description	Notes	Warning/caution	Tooling	FRT 1	FRT 2	FRT 3	Image	Image 2	Image 3
Removal										
1	Center vehicle on 2 post lift.		Lift to be used by trained personal only. Refer to owners manual provided from manufacturer of the lift.		0:00:30					
2	Use master window switch to roll down all four windows		25		0:00:05	0:00:05	0:00:05			
3	Using the Center Information Display(CID) open the hood.	Can be opened from quick controls or doors tab along the top of the screen.			0:00:05	0:00:21	0:00:10			
4	Power down vehicle. Verify information displays fully shut down and all lights turn off.				0:00:07	0:00:07	0:00:07			
5	Position lift arms under the four vehicle lift pads				0:00:30	0:00:30				
6	Raise lift arms until they contact vehicle lift pads and verify locks are fully seated as pictured at circles.		Verbally announce lift is raising.		0:00:30	0:00:30				
7	Lift vehicle until all four wheels are no longer contacting the ground. Jounce the vehicle and verify vehicle is stable and secure.		Verbally announce lift is raising.		0:00:12	0:00:12				
8	Fully raise vehicle to desired working height. Ensure lift is lowered onto safety locks.		Verbally announce lift is raising.		0:00:07	0:00:07				
9	Remove 5x lug caps from left front wheel.	5x Lug Caps		800.012.244.A	0:00:12	0:00:13				
10	Remove 5x lug nuts in star pattern and remove left front wheel (green circles).	5x 21mm Hex Lug Nuts 150Nm	Properly store wheels to protect from damage.		0:00:38	0:00:32				
11	Remove 17x push clips from left front wheel liner.	17x push clips			0:01:48	0:01:51				
12	Remove left front wheel liner.				0:00:14	0:00:14				

13	Perform charging cable harness inspection through opening in left front arch well.		*The Charging cable is a part of the HV circuit but only live when the vehicle is charging.							
14	Inspect charging cable for correct clearance from I-Shaft and look for signs of damage if contact with I-Shaft was made. Use Inspection Camera during inspection.			Milwaukee M12 Inspection Camera. SKU: 2315-20						
15	During inspection, look for 2 issues: 1: AC cable tucked behind I-booster flange. 2: AC cable is touching the I-shaft.				0:03:00	0:02:15				
16	If failure mode 1 or 2 has been detected, the charging cable (P11-H91600-01) needs to be replaced.				TBD					
				Complete Removal Time	0:07:58	0:06:57	0:00:22			
Install										
1	Install LH front fender liner and align to body.				0:02:34					
2	Reinstall 17x push clips to LH front fender liner.	17x Push Clips			0:02:14					
3	Install wheel and 5x lug nuts in star pattern on wheel (green circles).	5x 21mm Hex Lug Nuts 150Nm Install lug nuts by hand/hand tools. DO NOT use power tools.	Properly store wheels to prevent from damage.		0:00:56					
4	Lower vehicle until wheels are slightly touching the ground.				0:00:15					
5	Torque wheel in star pattern (green circles).	5x 21mm Hex Lug Nuts 150Nm			0:00:25					
6	Install 5x lug caps on wheel.	5x Lug Caps		8D0.012.244.A	0:00:12					
7	Lower vehicle fully onto floor and return lift arms to its park position.		Verbally announce lift is lowering.		0:00:18					
8	Engage clips to left front wheel liner by pressing from under liner to help seat and verify clips.	4X Plastic Trim Clips 1X Steel Trim Clip 4X Steel trim Clips (on left fender liner)			0:00:15					
9	Close Hood				0:00:03					