



Technical Service Bulletin

TSB No: TSB-F1121-003	Revision v1	Date: 11/16/21	Lucid Motors, Inc
Document Classification: Rework	VIN Range: See Additional Information	Model: 2022 Lucid Air	
Title: 4 hose Coolant Clip Rework	Section/Group:	Country/Region: USA	

Concern:

"Clacking" or "ticking" sound when in motion, coming from the Front Drive Unit (FDU) area.

Cause:

One of the lids on the coolant hose clip that secures the 4 coolant hoses in place near the Front Drive Unit (FDU) boot could become unlocked. The lid could contact the driveshaft boot creating a sound.

Correction:

Cut off the latching lid on the hose clip so it can not contact the boot of the FDU.

Parts Information:

None

Warranty Information:

To ensure the repair is processed correctly, please code the following fields on the job line:
Job Code: TSB-F1121-003
Pay Type: Rectify
Causal Part Number: P11-M80405-02
Defect Code: Loose

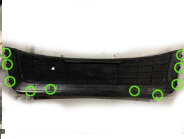
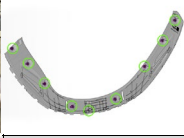
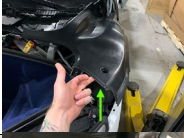
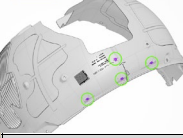
Operation Code - 55.055501
Labor Time - .4 FRT

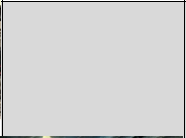
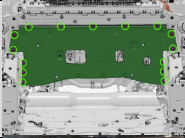
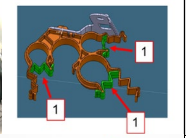
Additional Information:

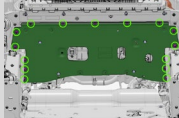
*for Affected VINS follow this link

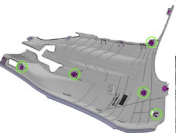
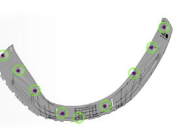
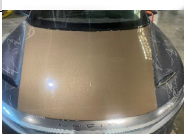
[Click Here for VINS](#)

Procedure Name: Coolant clip bundle rework			
Vehicle: Lucid Air			
Version:V1			

Step	Description	Notes	Warning/caution	Tooling	FRT 1	FRT 2	FRT 3	Image	Image 2	Image 3
Removal										
1	Power Vehicle on									
2	Use master window switch to roll down driver window.				0:00:02					
3	Using the center information display open the Hood	Can be opened from quick controls or doors tab along the top of the screen.			0:00:05					
4	Remove Center Under Hood Apron by separating tabs.	10X steel clips			0:00:15					
5	Carefully remove Front Apron starting from one end and then supporting the middle and finally removing the opposite end.	10X Steel Clips			0:00:16					
6	Remove Clips from LH Side Apron.	2X Plastic Fir Tree Clip	Replace clips during installation.		0:00:22					
7	Remove LH Side Apron clips.	2X Plastic Fir Tree Clip	Replace clips during installation.		0:00:15					
8	Starting from the front of the Apron, pull in direction of arrow remove LH Side Apron from Fender Liner and Body.	4X Plastic Trim Clips 1X Steel Trim Clip 4X Steel trim Clips (on left fender liner)			0:00:11					
9	Remove RH Side Apron clips.	2X Plastic Fir Tree Clip	One Time use Fir Tree Clips		0:00:20					
10	Remove Washer Bottle Cap.	Store cap in safe location.			0:00:08					
11	Starting from the front of the Apron, pull in direction of arrow remove RH Side Apron from Fender Liner and Body.	5X Plastic Trim Clips 1X Steel Trim Clip 4X Steel trim Clips (on left fender liner)			0:00:15					
12	Guide right apron around hood hinges and harness for hood strut while removing in direction of arrows.				0:00:11					

13	Remove Frunk Lid Cover Trim				0:00:05					
14	Remove Frunk Carpet Front Trim and disconnect Frunk Latch Release and Light connectors.	2x Connectors			0:00:11			 		
15	Remove Frunk Carpet Front Trim.				0:00:08					
16	Lifting from LH or RH side pull up and remove Rear Frunk Carpet Trim.				0:00:28			  		
17	Remove push clips from Frunk Tub.	6x push Clips			0:00:33			 		
18	Remove Frunk Tub Fasteners.	14x T-40 (6Nm)			0:01:13			 		
19	Pull Wiring Harness and waterproof seal through Frunk				0:00:33			 		
20	Remove Frunk Tub from Frunk	Collapse Tub careful not to crack Tub.			0:01:30			  		
21	Release clips to allow movement of harness.	3x Fir Clips LH side, 3x Fir Clips RH side			0:00:18			 		
22	Remove 15x fasteners.	15X T-40 8Nm			0:01:13			 		
23	Pull forward to release clips holding harness to Shear Plate. Remove shear plate.	7x Clips			0:00:50			 		
24	Perform inspection of coolant hose clamp mounted on the driver side of the FDU (front drive unit) Ensure all coolant hoses are secured into the appropriate tabs.				0:00:52			 		
25	Release coolant hose locking tab shown in image and cut off at hinge.				0:00:15			 		

26	Secure 4x coolant hoses together using cable tie. Cable tie should be snug but not overtightened causing coolant hoses to collapse.	Cable tie should be placed right above the coolant hose clamp.			0:01:50					
Complete Removal Time					0:12:19	0:00:00	0:00:00			
Install										
1	Install shear plate and attach 7x clips.	7x Clips			0:01:08					
	Install 15x T-40 screws	15X T-40 screws 8Nm			0:02:04					
	Install fir clips that secure harness to structure.	3x Fir Clips LH side, 3x Fir Clips RH side			0:00:32					
	Collapse Frunk Tub and reinsert into Frunk compartment.	Be careful not to crack tub when collapsing to install.			0:02:47					
2	Pull wiring harness and waterproof seal through Frunk tub.				0:00:45					
3	Seat all 6x nibs for clips with the help of 5mm Allen or similar blunt tool and install 6x push clips.	6X Plastic Push Clips			0:00:26					
4	Reinstall fasteners to Frunk Tub.	14X T-40 (6Nm)			0:01:38					
5	Reinstall Rear Frunk Carpet Trim. Ensure proper placement and guide Frunk Seal over edge of carpet.				0:00:45					
6	Align Frunk Carpet Trim and connect Frunk Interior Light and Frunk Release Switch. Ensure proper placement and guide Frunk Seal over edge of carpet.	2x Connectors			0:00:58					
7	Seat Frunk Tub Cover				0:00:06					
8	Guide right apron around hood hinges and harness for hood strut.				0:00:12					
9	When Apron is in place press down to engage clips. Pressing from under RH Fender Liner to help seat and verify clips.	5X Plastic Trim Clips 1X Steel Trim Clip 4X Steel trim Clips (on left fender liner)			0:00:22					

10	Reinstall Washer Bottle Cap.				0:00:08					
11	Reinstall Clips to RH Apron.	2X Plastic Fir Tree Clip	Clips will be deformed and damaged on removal. Replace clips during installation.		0:00:20					
12	Guide LH Apron around Hood Hinges and harness for Hood Strut.				0:00:12					
13	When Apron is in place press down to engage clips, Pressing from under left fender liner to help seat and verify clips.	4X Plastic Trim Clips 1X Steel Trim Clip 4X Steel trim Clips (on left fender liner)			0:00:22					
14	Reinstall Clips from LH Apron.	2X Plastic Fir Tree Clip	Clips will be deformed and damaged on removal. Replace clips during installation.		0:00:20					
15	Starting with the edges, align clips with LH and RH Aprons. Verify nose trim seal is over Front Apron.		Non-marring trim tool can be used to assist in rubber placement.		0:00:20					
16	Tabs at front edge of Front Apron must be slotted in nose trim as pictured.									
17	Install Center Under Hood Apron by engaging tabs.	10X steel clips			0:00:15					
18	Close Hood				0:00:05					
Complete Install Time					0:13:45	0:00:00	0:00:00			

38 Total Number of steps

Total Time	0:26:04	0:00:00	0:00:00
Average Time	0:08:41		
FRT TIME	0.1		