

# Technical Service Bulletin

|                                                 |                                          |                        |                   |
|-------------------------------------------------|------------------------------------------|------------------------|-------------------|
| TSB No: TSB-J1121-001                           | Revision: V1                             | Date: 10/18/21         | Lucid Motors, Inc |
| Document Classification:<br>Inspect and Correct | VIN Range:<br>See additional information | Model: 2022 Lucid Air  |                   |
| Title:<br>12V Harness to I-Shaft Interference   | Section/Group:                           | Country/Region:<br>USA |                   |

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## Concern:

12V Harness may contact the steering I-shaft, which may cause damage to the 12V harness.

## Cause:

The position of the 12V harness may have insufficient clearance to the steering I-Shaft in certain conditions.

## Correction:

Inspect the 12V harness for damage next to the steering I-Shaft. Once confirmed that damage is not present, reposition to provide the required clearance and secure by the installation of a cable tie.

\*If damage to the 12V harness is observed please document and create a Field Service Engineering escalation before performing any further work.

## Parts Information:

1 x Bolt PN: P00-F26UDE-00  
1 x Nut PN: P00-F320DB-00  
1 x Cable tie 120lb PN: Contact Field Service Engineering

## Warranty Information:

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

Job Code: TSB-J1121-001  
Pay Type: Rectify  
Causal Part Number: P00-F26UDE-00  
Defect Code: Missing

Labor Operation Code - 55.004001  
Labor Operation Description - 12v Harness Inspection and Rework  
FRT - 0.4



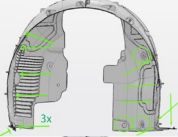
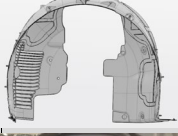
## Additional Information:

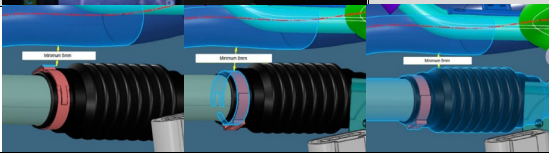
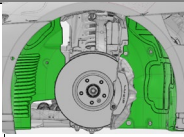
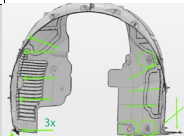
\*For affected VINs please follow this link -

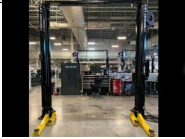
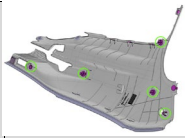
[Click For VIN List](#)

Procedure Name: 12V harness inspection and rework

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 manufacture of the lift. |               | 0:00:30 | 0:00:30 |       |    |                                                                                       |                                                                                       |
| 2       | Use master window switch to roll down all four windows                                                                              |                                                                             |                                                                                                         |               | 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 | 0:00:05 |       |    |                                                                                       |                                                                                       |
| 4       | Power down vehicle. Verify information displays fully shut down and all lights turn off.                                            |                                                                             |                                                                                                         |               | 0:00:07 | 0:00:07 |       |                                                                                      |                                                                                       |                                                                                       |
| 5       | Position lift arms under the four vehicle lifts 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 prevent 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 12V cable harness inspection through opening in left front arch well.                                                                                                        |                                                                                                                                                    |  |                                                  |         |         |         |    |  |  |
| 14                    | Inspect 12V harness for correct clearance from I-Shaft and look for signs of damage if contact with I-Shaft was made.                                                                |                                                                                                                                                    |  | Milwaukee M12 Inspection Camera.<br>SKU: 2315-20 | 0:03:02 | 0:02:15 |         |    |  |  |
| 15                    | During inspection, sweep steering from left to right to confirm proper clearance is achieved. If clearance is not achieved, proceed to next step.                                    | Clearances:<br>1: Oetiker I-shaft boot clamp head to harness 5mm<br>2: Oetiker I-shaft boot clamp to harness 8mm<br>3: I-shaft boot to harness 5mm |  |                                                  | 0:00:45 | 0:01:25 |         |    |  |  |
| 16                    | Undo Fir Tree Clip                                                                                                                                                                   |                                                                                                                                                    |  |                                                  | 0:00:20 | 0:00:20 |         |    |  |  |
| 17                    | Prior to installing cable tie, bend cable tie to a 90 degree angle at ~70mm from non locking end.                                                                                    | 1x100 lbs. cable tie with stud clip (P/N 7295K43)                                                                                                  |  |                                                  | 0:00:39 | 0:00:36 |         |    |  |  |
| 18                    | Insert cable tie through opening in left front arch well. With 90 degree fold facing toward the front of the vehicle, route cable tie under wiring harness wrapped in abrasion tape. | Do not route around harness wrapped with conduit.                                                                                                  |  |                                                  | 0:00:57 | 0:00:57 |         |    |  |  |
| 19                    | Pull cable tie around harness wrapped in abrasion tape.                                                                                                                              |                                                                                                                                                    |  |                                                  | 0:00:47 |         |         |   |  |  |
| 20                    | Lock cable tie and pull to secure wiring harness away from I-shaft.                                                                                                                  |                                                                                                                                                    |  |                                                  | 0:00:25 |         |         |                                                                                      |  |  |
| 21                    | Insert bolt (P/N: P00-F260CG-C) and nut (P00-F320CB-00) as shown below utilizing the hole from the cut fir tree. Thread the bolt through the zip tie from the back of the panel.     |                                                                                                                                                    |  |                                                  | 0:01:50 |         |         |  |  |  |
| 22                    | Secure and torque the nut. Cut the excess cable tie using diagonal pliers.                                                                                                           | Nut torque 5Nm                                                                                                                                     |  | Sonic diagonal pliers<br>SKU:4341180             | 0:02:01 |         |         |  |  |  |
| Complete Removal Time |                                                                                                                                                                                      |                                                                                                                                                    |  |                                                  | 0:15:44 | 0:10:29 | 0:00:00 |                                                                                      |  |  |
| Install               |                                                                                                                                                                                      |                                                                                                                                                    |  |                                                  |         |         |         |                                                                                      |  |  |
| 1                     | Install LH front fender liner and align to body.                                                                                                                                     |                                                                                                                                                    |  |                                                  | 0:02:34 |         |         |  |  |  |
| 2                     | Reinstall 17x push clips to 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<br><br>Install lug nuts by hand/hand tools.<br><b>DO NOT</b> 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<br>1X Steel Trim Clip<br>4X Steel trim Clips (on left fender liner)                |                                               |               | 0:00:15 |         |         |  |  |  |
| 9                     | Close Hood                                                                                         |                                                                                                          |                                               |               | 0:00:03 |         |         |                                                                                    |  |  |
| 10                    | Procedure Complete                                                                                 |                                                                                                          |                                               |               |         |         |         |                                                                                    |  |  |
| Complete Install Time |                                                                                                    |                                                                                                          |                                               |               | 0:07:12 | 0:00:00 | 0:00:00 |                                                                                    |  |  |

32 Total Number of steps

|              |         |         |         |
|--------------|---------|---------|---------|
| Total Time   | 0:22:56 | 0:10:29 | 0:00:00 |
| Average Time | 0:11:08 |         |         |
| FRT TIME     | 0.2     |         |         |