

Mandatory 3D Digital Measuring for Vehicles Requiring Structural Repair

POSITION STATEMENT: Mandatory 3D Digital Measuring for Vehicles Requiring Structural Repair 12-JUN-2025

This document outlines Lucid Motors' position on the digital structural measuring of Lucid vehicles requiring structural repair due to a collision.

Lucid Motors requires three dimensional digital measurements for any vehicle repair involving structural components—whether listed below or shown in the images—if the damage goes beyond outer panel distortion and requires component replacement.

Structural damage refers to any deformation, cracking, or separation that compromises the integrity or alignment of the vehicle's body structure or safety systems.

Measurements must be taken both before and after the repair process, as outlined in all Lucid Motors Structural Repair Procedures, to verify the dimensional accuracy of the vehicle's underlying structure. These measurements must be completed prior to any ADAS or safety system alignment and calibration to ensure proper system function. Measurement reports should be uploaded to the appropriate Lucid Repair Tracker vehicle file.

Key Structural, ADAS, and Crash Safety System Mounting

Locations: Body-in-White(BIW): (Items Highlighted In Red)

- Front Frame Rails
- Front Impact Bar
- Spring Towers
- Front Torque Box (Inner and Outer)
- Bodyside Outer and Inner Side Structures
- Rear Wheelhouse
- Rear Frame Rails
- Rear Torque Box
- Trunk Closeout Panels
- Rear Impact Bar
- Rear Door Intrusion beam
- Rear Subframe
- Front Subframe



Exterior Surfaces: (Items Highlighted in Red)

- Front End Module (FEM)
- Driver's Doors
- Liftgate Assembly



Approved Digital Measurement Systems: Digital Measuring Systems can diagnose and pinpoint damage during the repair planning process and assist in aligning structural components before final adhesive and fastening applications. Approved digital measuring systems for use on Lucid Vehicles are listed below:

- **Carbench:** Contact Evolution
- **Celette:** Naja
- **Spanesi:** Spanesi Touch
- **Car-O-Liner:** Vision X2

Ensuring the dimensional accuracy of the vehicle structure is essential for the proper functioning of the vehicles crash structure, as well as ADAS and safety sensor systems. Accurate measurements help maintain vehicle integrity and safety.

For more information on Lucid's guidelines on approved measurement systems, refer to the Lucid Motors Approved Tooling Guide and all Lucid Motors Structural Repair Procedures.