

TSN00429-100-A : Ride Height Measuring Check and Adjust

PURPOSE:

This Tool Use Instruction is to provide guidance on how to set up the measuring tape following a replacement/adjustment of the tape or component replacement. This is to ensure that it is “calibrated” to the correct measurement length when used to determine the ride height of the vehicle.



LABOR CODE:

185480013, Measure Ride Height

[185480016](#), Ride Height Calibration

[981010019](#), Alignment, Four Wheel, Check and Adjust

OTHER TOOLS REQUIRED:

No other tools required

PRIOR TO USAGE:



Visual Inspection

Some examples to include:

1. Visually inspect *TSN000429-100-A Ride Height measuring tool for function*
2. Ensure that the measuring tape moves freely with no obvious binding
3. Inspect hardware for damage or bends

⚠ CAUTION: Do not perform procedure if any equipment is missing or damaged. Contact tooling team with any questions or requests for replacement parts. ServiceToolEngineering@rivian.com

TOOL USAGE:

STEP	DIRECTIONS	VISUAL AID
1	<p>Ensure the end of the measuring tape is flush to the base (magnetized). This will give you a good starting point to set up the offset height.</p> <p>Release the lock on the tape measure and allow it to retract completely.</p>	 <p>For initial setup, make sure the magnet (square block) is flush against the base.</p>

2

Confirm end square block reads 2" in height.



2 inch height

3

Loosen the the adjustment knob to allow adjustment on scale.



loosen knob to allow adjustment

4

Slide the pointer to read 2.0" (50mm).
Tighten the adjustment knob to clamp onto the tape.



Set scale at 2in (50mm) and tighten knob to secure

5

Extend the measuring tape (to the stop) to ensure that there is no binding during operation.

When performing Ride Height measurements on vehicle, **Refer to the service manual procedures:**
185480013, Measure Ride Height
[185480016](#), Ride Height Calibration
[981010019](#), Alignment, Four Wheel, Check and Adjust

To determine the specific measuring points on the subframe to take the measurements from. This will ensure the readings are accurate.

⚠ Repair or replacement of the measuring tape is not recommended. If the tool is damaged and is no longer able to provide accurate readings it is recommended that you just order a new replacement Ride Height Measuring tool from the **Service Tools Catalog**.

