

# TOOL USE INSTRUCTION

<b>RIVIAN</b>	TOOL NUMBER	TSN01739-100-A
	TITLE	Auggie ADAS Calibration
	REV - DATE	REV A - 01/06/2026

## CONTENTS

[OVERVIEW](#)

[SAFETY](#)

[COMPONENT LIST \(1\)](#)

[COMPONENT LIST \(2\)](#)

[INITIAL SETUP](#)

[TOOL USE INSTRUCTION](#)

[MAINTENANCE & STORAGE](#)

[SPARE PARTS](#)

[TROUBLESHOOTING](#)

[SYMBOL GLOSSARY](#)

## TOOL FUNCTION

Used to perform windshield ADAS calibration only on GEN 1 R1 (T/S) Driver assistance cameras (forward facing) and is ideally used for mobile/remote applications.






**WARNING**

Do not perform procedure if tool is damaged or missing parts. Consult the Rivian Service Tool Catalog for replacement components.

Failure to follow guidelines outlined in this document could result in injury and/or property damage.

**SAFETY GUIDELINES**

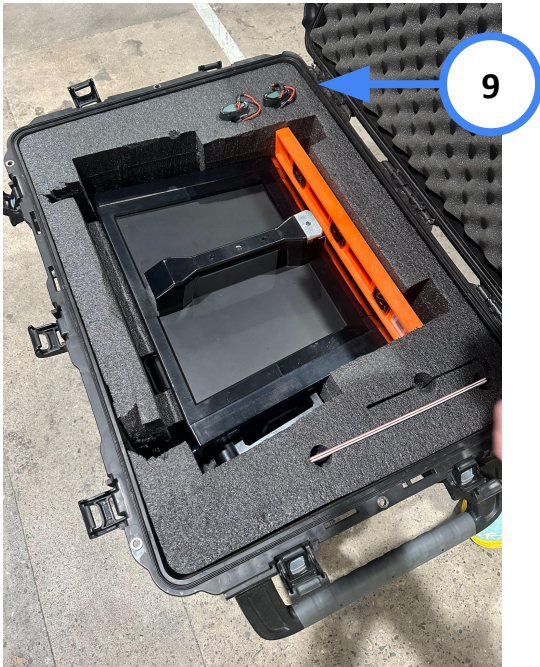
1	<b>PPE REQUIRED</b> <ul style="list-style-type: none"> <li>• eye protection</li> <li>• closed toe shoes</li> </ul>	
2	<b>Risk of</b> <ul style="list-style-type: none"> <li>• damage to vehicle or property</li> </ul>	
3	<b>Risk of Pinch Point</b> <ul style="list-style-type: none"> <li>• keep hands and fingers clear of all moving parts.</li> </ul>	






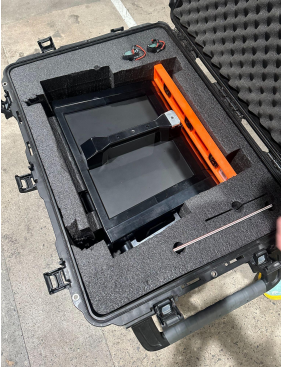


ITEM	DESCRIPTION
1	Foldable reflector
2	Centering template jig (X3)
3	Straight Edge level
4	Shroud cover
5	Fender cover
6	Diagnostic cable
7	Center Camera Centering jig (x2)




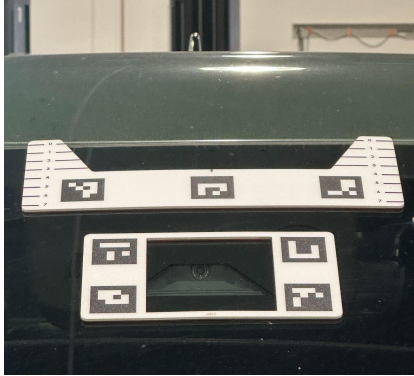




ITEM	DESCRIPTION
7	Retractable reel (support cable)
8	Suction base (underneath the retractable reel assembly)
9	x2 Spare Batteries (power bank source)





<p>1</p>	<p>Place the protective covering over the driver side fender and hood.</p> <p>This will be used to position the control screen of the Auggie.</p>	
<p>2</p>	<p>Open the Case to gain access to the tooling and equipment to perform the calibration.</p>	
<p>3</p>	<p>In the case, locate the the windshield centering jig (V-style opening) as well as the camera position jig (square opening).</p> <p>They will be stored vertically in a slot made specifically for their size.</p>	
<p>4</p>	<p>Position the windshield centering jig above the center camera of the vehicle with the middle target on the jig above the vehicle camera.</p>	




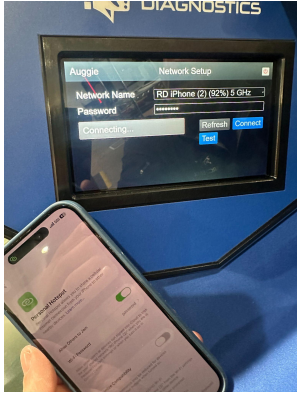


<p>5</p>	<p>Position the Windshield centering jig at the “0” line. This will establish the proper gap from the header panel to the top of the windshield.</p> <p>Position at “0” on both sides of the centering jig.</p>	
<p>6</p>	<p>Position the square opening of the camera centering jig over the camera itself.</p> <p>Align the camera to the center of the square opening as best as possible.</p>	
<p>7</p>	<p>Locate and remove the suction cup cable hangers (x2).</p> <p>The cable is attached to both suction cup hangers.</p>	
<p>8</p>	<p>Remove the lower suction cup covers on both the cable hangers and ensure that the suction cup surface is clean and free of any debris or grease.</p>	







<p><b>9</b></p>	<p>Position the suction cup cable hangers on the topmost corners of the windshield (Left &amp; Right side).</p> <p>Pump the suction cup pump to apply a vacuum hold to keep the cable hangers in position. Pumps will be on the outside and the cable will be on the inside.</p>	
<p><b>10</b></p>	<p>Have both cable hangers installed on the top corners of the windshield and the cable extended across the windshield.</p>	



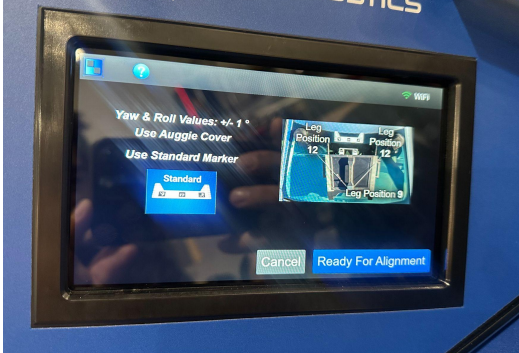



<p>1</p>	<p>Remove the Auggie unit from the storage container and place on top of a table or on the protective blanket on the vehicle.</p> <p><b>NOTE:</b> Due to the size of the unit, it is a good idea to have a second set of hands to assist with placement on the vehicle.</p>	 <p>A photograph showing the Auggie unit, a black rectangular device with a blue protective blanket draped over its front, placed on the hood of a dark-colored vehicle in a garage setting.</p>
<p>2</p>	<p>On the Auggie, Turn ON the unit with the button.</p> <p>The <b>BLUE</b> light indicates it is ON.</p>	 <p>A close-up photograph of the Auggie unit's front panel. A circular blue light is illuminated, indicating the unit is powered on. Below the light is a white label with the text 'Auggie 20285W' and other technical specifications.</p>
<p>3</p>	<p>You will need to setup a network for the Auggie to connect to Wifi.</p>	 <p>A photograph of the Auggie unit's touchscreen interface. The screen displays a 'Network Setup' menu with the 'Auggie' logo at the top. The 'Network Name' field is set to 'RD iPhone (2) (82%) 5 GHz'. There are 'Test' and 'Connect' buttons visible.</p>
<p>4</p>	<p>Utilizing a personal Hotspot is ideal.</p>	 <p>A photograph showing the Auggie unit's touchscreen interface with a smartphone in the foreground. The screen displays the 'Network Setup' menu with the 'Network Name' field set to 'RD iPhone (2) (82%) 5 GHz'. The smartphone screen shows the 'Personal Hotspot' settings, indicating it is turned on and available for connection.</p>


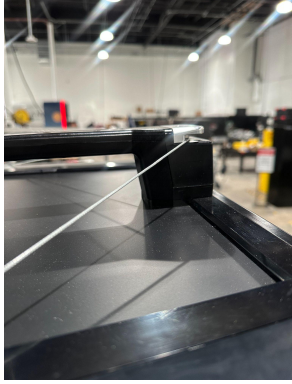

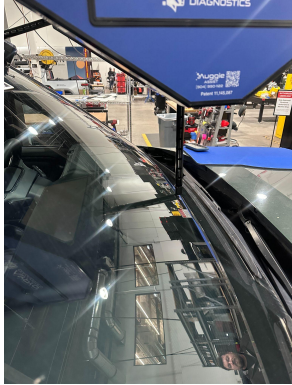


<p>5</p>	<p>There may be instances where an update/upgrade is required for the Auggie.</p> <p>Select <b>PROCEED</b> to start the update/upgrade.</p>	
<p>6</p>	<p>The download may take a few minutes</p>	
<p>7</p>	<p>Once the update/upgrade is installed, you will be prompted to restart the device.</p> <p>Select <b>RESTART</b></p>	
<p>8</p>	<p>Once the unit has restarted and is connected back onto WIFI (Hotspot), select the <b>SELF GUIDED CALIBRATION</b> tab on the home screen.</p>	


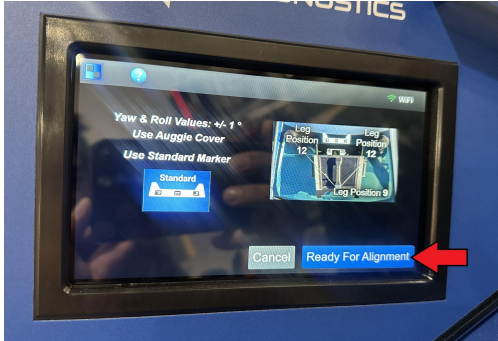
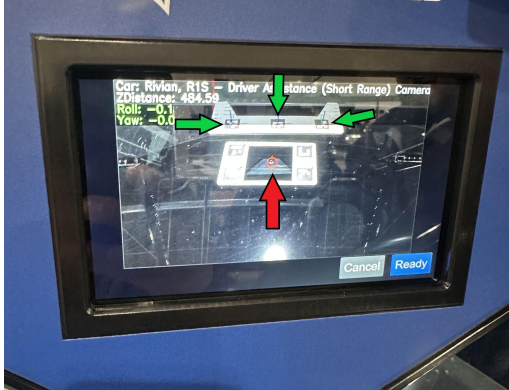
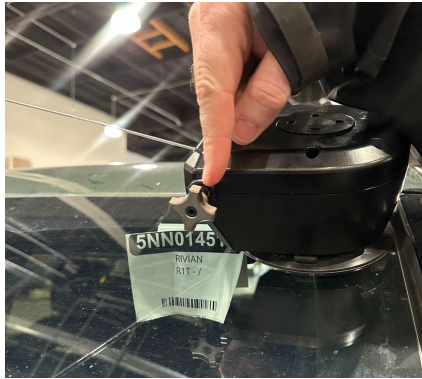


<p>9</p>	<ul style="list-style-type: none"> <li>Select RIVIAN under vehicle make</li> <li>Select the model (R1 T/S) you are working on under the Model tab</li> <li>Select the year of the vehicle under the YEAR tab</li> <li>Select ONE TIME under the Calibration tab.</li> </ul>	 <p>Select <b>NEXT</b> when ready</p>
<p>10</p>	<p>Input the last 5 digits of the vin</p>	
<p>11</p>	<p>You will be presented with instructions on the target jigs to use (which was setup on the initial steps section) as well as instructions to position the legs for the Auggie:</p> <ul style="list-style-type: none"> <li>Horizontal legs(x2) at <b>12</b></li> <li>Vertical leg at <b>9</b></li> </ul>	
<p>12</p>	<p>Extend the Horizontal side support arms (x2) to position <b>12</b></p>	


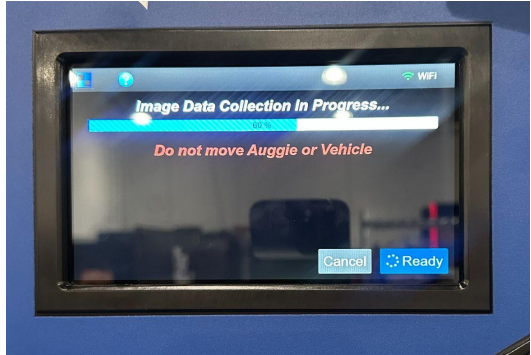
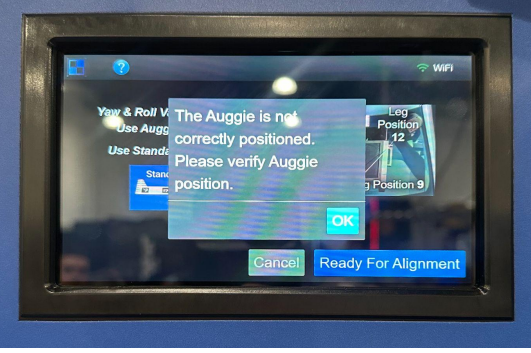



<p>13</p>	<p>Extend the single vertical stand arm to position <b>9</b></p>	
<p>14</p>	<p>Pull the cable to allow the Auggie to be positioned onto the windshield. <b>ENSURE</b> the cable is routed through the machined notch on the top handle and applies tension to aid with positioning the Auggie</p>	
<p>15</p>	<p>The horizontal arms (x2) will set the distance</p>	
<p>16</p>	<p>The vertical arm (x1) will support and set the height of the Auggie on the backside.</p>	

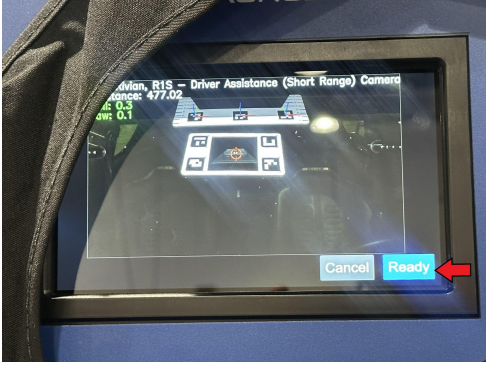

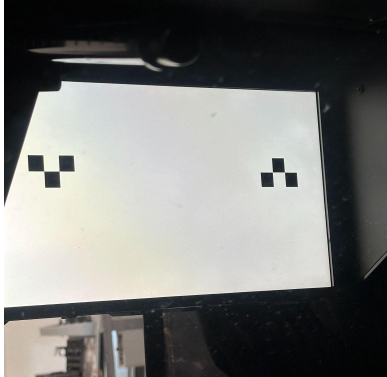



<p>17</p>	<p>Position the Auggie as best as possible in front of the camera. Once the unit is powered on, it will guide you to position it more precisely.</p>	
<p>18</p>	<p>Once you are ready to proceed, select <b>READY FOR ALIGNMENT</b></p>	
<p>19</p>	<p>A Camera image will be presented. Align the top dots to the center of the target jig markings (x3) shown in <b>GREEN</b> arrows Align the <b>RED</b> target dot (x1) to the center of the camera shown with <b>RED</b> arrow. Roll and Yaw values <b>MUST</b> remain in the <b>GREEN</b></p>	
<p>20</p>	<p>Once the position of the Auggie is set in the ideal position, secure the cable tension with the knob on the cable suction cup on the driver side.</p>	




<p>21</p>	<p>Select <b>READY</b> when you are ready to proceed</p>	
<p>22</p>	<p>The Auggie will collect image data and see if the position of the unit is ideal to do the calibration. This may take a few minutes.</p>	
<p>23</p>	<p><b>NOTE:</b> If the position of the Auggie is not ideal, you will be prompted to correct the position.</p> <p>Select <b>OK</b> and <b>READY FOR ALIGNMENT</b> to reposition the Auggie to the target jigs and camera again.</p>	
<p>24</p>	<p>There may be some instances where it is required to place the shroud protector to prevent unwanted glare on the camera during calibration.</p> <p>The shroud is provided in the storage container (as needed for use).</p>	



<p>25</p>	<p>Once the Auggie position is verified correctly, position is set, and the shroud is covering the unit (as needed)</p> <p>Select <b>READY</b></p>	
<p>26</p>	<p>You will be prompted to the next step which will be to display the target to the camera</p> <p>Select <b>SEND TARGET</b></p>	
<p>27</p>	<p>The Target will be displayed on the screen for the camera to see. You will use the procedure in RiDE to perform the calibration (driver assistance camera calibration) on the vehicle side.</p>	
<p>28</p>	<p>Once the Calibration on RiDE has been completed and has passed successfully, select <b>COMPLETE</b> on the Auggie unit.</p> <p>This will remove the target display from the screen.</p>	



<p>29</p>	<p>You can now remove the Auggie unit from the vehicle. Disassembly is the reverse of installation.</p> <p><b>NOTE:</b> Due to the size of the unit, it is a good idea to have a second set of hands to assist with disassembly from the vehicle.</p>	
<p>30</p>	<p>Store all components of the Auggie Air pro back into the storage container in their designated spots</p>	



**BASIC MAINTENANCE GUIDE**

<b>TASK</b>	<b>FREQUENCY</b>
Inspect the Auggie kit for any damage or broken items	Before each use
Perform software updates to the Auggie unit	When needed
Store all Auggie kit components in the provided storage container in the designated spots	After Each Use



ITEM	DESCRIPTION	SUPPLIER + PART NUMBER	PHOTO
1	TBD	TBD	TBD

*FOR BROKEN OR MISSING ITEMS CONTACT RIVIAN SERVICE TOOL ENGINEERING AND RIVIAN SERVICE ENGINEERING*

*PETER LANGEL: [PLANGEL@RIVIAN.COM](mailto:PLANGEL@RIVIAN.COM)*

*RYAN DAVENPORT: [RDAVENPORT@RIVIAN.COM](mailto:RDAVENPORT@RIVIAN.COM)*



PROBLEM	SOLUTION
Home screen does not show up when Auggie unit is turned ON	Update/Upgrade may be required to proceed. This will also require a connection to a stable WIFI/Hotspot
Calibration cannot be started	Auggie unit position is not ideal and will need to be re-positioned to get ideal image data
Calibration does not pass successfully	Investigate on vehicle side with RiDE. Check for current faults and DTC's





**DANGER**

Risk of electrocution or electric shock



**WARNING**

Risk of minor injury



**DANGER**

Risk of major injury such as

- fire
- chemical or poison
- crushing / maiming
- death



**CAUTION**

Risk of

- damage to vehicle or property
- data disruption
- voiding warranty



**CAUTION**

Risk of Pinch Point

- keep hands and fingers clear of all moving parts.



**PPE REQUIRED**

**IMPORTANT**

Instructions to successfully complete a task

**NOTE**

Useful information

REV	DATE	CHANGE DESCRIPTION
A	1/6/2026	Initial release

