

TOOL USE INSTRUCTION

RIVIAN

TOOL NUMBER	TSN01639-100
TITLE	BLUETOOTH TPMS WAKE TOOL
REV - DATE	REV 1 05/14/2026

CONTENTS

- [SAFETY](#)
- [OVERVIEW](#)
- [INITIAL SETUP](#)
- [TOOL USE INSTRUCTION](#)
- [MAINTENANCE & STORAGE](#)
- [SPARE PARTS](#)
- [TROUBLESHOOTING](#)
- [SYMBOL GLOSSARY](#)

TOOL FUNCTION:

Used to collect TPMS ID, data, wake and pair Bluetooth TPMS sensors on Rivian vehicles.





**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	Risk of <ul style="list-style-type: none"> ● damage to vehicle or property ● data disruption ● voiding warranty 	
2	PPE REQUIRED <ul style="list-style-type: none"> ● eye protection ● closed toe shoes ● gloves 	



SPECIFICATIONS

Weight: 3.0 lbs

LABOR CODES

2200 Wheels and Tires
2270 Tire Pressure Monitoring System

OTHER TOOLS REQUIRED

RiDE











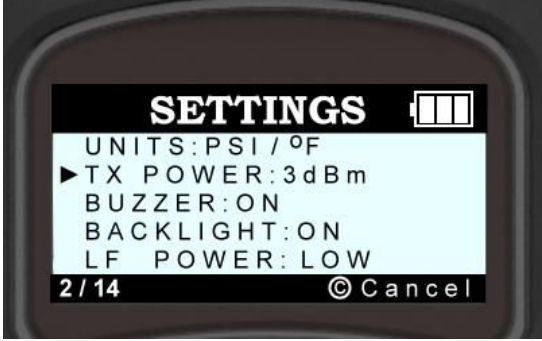


COMPONENT GUIDE

ITEM	QTY	RIVIAN TOOL ID	DESCRIPTION
1	1	TSN01639-100	Bluetooth TPMS Wake Tool





<p>1</p>	<p>It is recommended to check the battery level before use, if the battery level is too low, please charge it first, otherwise it may affect the performance of the tool.</p>									
<p>2</p>	<p>The TT-03B only displays one sensor trigger result at a time on the screen, so to avoid confusion, please remove other non-operating sensors.</p>									
<p>3</p>	<p>Prior to using the tool, please reference the distance range to TPMS sensor as follows</p>	<table border="1"> <thead> <tr> <th data-bbox="835 1074 1035 1126">LF Power Level</th> <th data-bbox="1035 1074 1353 1126">Distance</th> </tr> </thead> <tbody> <tr> <td data-bbox="835 1126 1035 1184">HIGH</td> <td data-bbox="1035 1126 1353 1184">50±3cm</td> </tr> <tr> <td data-bbox="835 1184 1035 1242">LOW</td> <td data-bbox="1035 1184 1353 1242">>35cm</td> </tr> <tr> <td data-bbox="835 1242 1035 1300">LOWEST</td> <td data-bbox="1035 1242 1353 1300">5~8cm</td> </tr> </tbody> </table>	LF Power Level	Distance	HIGH	50±3cm	LOW	>35cm	LOWEST	5~8cm
LF Power Level	Distance									
HIGH	50±3cm									
LOW	>35cm									
LOWEST	5~8cm									
<p>4</p>	<p>The TSN01639-100 Bluetooth TPMS wake tool should be used alongside RiDE when collecting ID's and paring the TPMS sensor to the vehicle.</p>									







<p>5</p>	<p>Select Settings to change units displayed</p>	
<p>6</p>	<p>Press  or  to switch the following options(PSI / °F → PSI / °C → kPa / °F → kPa / °C → Bar / °F → Bar / °C), then press  to exit the “UNITS” item.</p>	
<p>7</p>	<p>Adjusting TX Power: Press  or  to make the cursor move to “TX POWER” , then press  to enter the “TX POWER” item.</p>	
<p>8</p>	<p>Press  or  to switch the following options(3dBm → 2dBm → 1dBm → 0dBm → -1dBm → -2dBm → -3dBm → -5dBm → -9dBm → -13dBm → -17dBm → -21dBm → -25dBm → -45dBm)</p>	

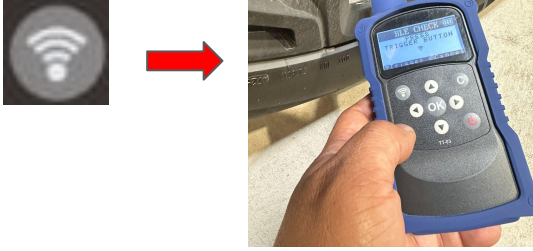



<p>9</p>	<p>then press  to exit the "TX POWER" item. This</p>	
<p>10</p>	<p>This function controls the BLE TX power level, the larger dBm, the stronger the BLE TX power; the smaller dBm, the weaker the BLE TX power.</p>	



<p>1</p>	<p>Turn on the unit by selecting the POWER button . </p> <p>Hold down the power button for about 2 seconds until the screen comes ON.</p>	
<p>2</p>	<p>The Main Screen will come on</p>	
<p>3</p>	<p>Scroll to BLE CHECK and select it by pushing the OK button (in the middle)</p>	



<p>4</p>	<p>Once BLE Check is selected, you will be prompted to select the wifi signal to trigger the TPMS sensor</p> <p>(Position yourself about 3- 6 in away from the TPMS sensor on the wheel to get the best signal prior to activating)</p>	
<p>2</p>	<p>Once the TPMS sensor is triggered, it will provide you with data taken from the TPMS sensor. The top number will be the ID that you can input into RiDE</p>	
<p>3</p>	<p>Other values provided are:</p> <ul style="list-style-type: none"> ● PSI ● Temperature ● mV reading 	
<p>4</p>	<p>Repeat this process to all 4 wheel/tire assemblies on the vehicle</p>	



BASIC MAINTENANCE GUIDE

TASK	FREQUENCY
Check to see if unit is charged	Prior to use
Inspect for damage and if unit powers up as intended	Prior to use
Put back in storage box	After Each Use



FOR OTHER ITEMS NOT SHOWN, CONTACT RIVIAN SERVICE TOOL ENGINEERING

ITEM	DESCRIPTION	SUPPLIER + PART NUMBER	PHOTO
1	Trigger Tool	SYSGRATION - TT-03B	



PROBLEM	SOLUTION
Unit does not power up	Ensure unit is charged prior to use as this can affect performance of the tool
Unable to get TPMS ID number	<ul style="list-style-type: none"> ● TPMS sensor on the vehicle is faulty and cannot be triggered ● Distance from the sensor is too far away
Cannot pick up multiple sensors at a time	The TT-03B only displays one sensor trigger result at a time on the screen, so to avoid confusion, please remove other non-operating sensors.
Takes too long to trigger a sensor or it operates sporadically	<p>Adjust the BLE TX power level (initial setup) to a larger dBm setting</p> <ul style="list-style-type: none"> ● The larger dBm the stronger the BLE TX power ● The smaller dBm, the weaker the BLE TX power





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

Utilize the use of TSN01639-100 with RiDE

NOTE

ALWAYS refer to service manual for any additional info regarding TPMS sensors

REV	DATE	CHANGE DESCRIPTION
1	5/14/2026	Initial release

