

TOOL USE INSTRUCTION

RIVIAN

TOOL NUMBER

TSN01608-100-A

TITLE

M18 PORTABLE BAND SAW

REV - DATE

REV - A 06/13/25

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TOOL FUNCTION

USED TO CUT THE EDV FRAME RAIL DURING GEN 2 RETROFITS





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	PPE REQUIRED <ul style="list-style-type: none">• eye protection• closed toe shoes• gloves• ear protection	
2	WARNING: Risk of injury. <ul style="list-style-type: none">• Keep hands away from cutting area and the blade.	
3	CAUTION: Risk of damage to vehicle or property. <ul style="list-style-type: none">• Be aware of all objects in the cut path.	
4	CAUTION: Risk of Pinch Point <ul style="list-style-type: none">• Keep hands and fingers clear of all moving parts.• Hold the saw by the handles with both hands.	



SPECIFICATIONS

Weight: 5.5 KG
Overall Dimensions:520MM x 330MM x 150MM
Voltage Rating:18v
Blade Length: 44-7/8"

LABOR CODES



TBD





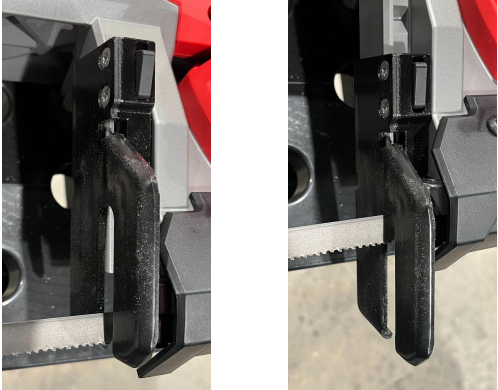
COMPONENT GUIDE



ITEM	QTY	RIVIAN TOOL ID	DESCRIPTION
1	1	TSN01608-100-A	MILWAUKEE P/N 2929-20 M18 Portable Band Saw



1	See Operator's Manual for initial setup instructions.	Milwaukee M18 Fuel Deep Cut Band Saw Operator's Manual
2	Check battery has enough charge to perform the desired cut.	
3	<p>Check blade for damage.</p> <ul style="list-style-type: none">• Missing teeth• Cracks <p>Replace as necessary.</p>	



1	<p>Select the blade speed by pressing the mode button. Select the proper speed for the material being cut.</p> <p>Mode 1: 315 Mode 2: 430 - <i>Use for EDV subframe</i> Mode 3: 550</p> <p>NOTE Cutting speed should be selected based on the thickness & harness of the material. Thick or hard material require a slower cutting speed.</p> <p>See Service Manual for instructions prior to cutting EDV subframe.</p>	
2	<p>Cut Brake Control The cut-brake detects the load on the tool and stops the blade automatically at the end of a cut.</p> <p>Cut Brake Control should be used during EDV rear subframe retrofit. To enable or disable cut-brake, hold the mode select button for 1 second.</p>	
3	<p>Use the Material Guide in the lowered position whenever possible to help stabilize the saw during a cut.</p>	

4	<p>Start cutting on a surface where the greatest number of teeth will be in contact with the workpiece at one time. Ensure the material guide is resting against the workpiece.</p>	
5	<p>IMPORTANT</p> <p>Starting a cut on an edge or without the material guide making contact could cause damage to the workpiece, blade or saw.</p>	
6	<p>Place both hands on the handles while performing a cut.</p>	
7	<p>Do not bear down while cutting. The weight of the tool will supply adequate pressure for the fastest cutting.</p> <p>When cutting overhead, only apply enough pressure to complete the cut.</p>	



BASIC MAINTENANCE GUIDE

TASK	FREQUENCY
Insect blade for damage.	Before Each Use.
Clean dust and debris from any vents.	After Each Use
Charge battery.	As Needed
Return saw to designated storage area.	After Each Use



FOR OTHER ITEMS NOT SHOWN, CONTACT RIVIAN SERVICE TOOL ENGINEERING

ITEM	DESCRIPTION	SUPPLIER + PART NUMBER	PHOTO
1	44-7/8 in. 14/18 TPI Deep Cut Portable Bi-Metal Band Saw Blade	Milwaukee 48-39-0561	



PROBLEM	SOLUTION
Saw is cutting slow or workpiece is becoming hot.	<ul style="list-style-type: none">• Worn or damaged blade.• Replace blade
Speed of saw is decreasing.	<ul style="list-style-type: none">• Check battery charge.• Replace as necessary.
Tool does not start or operate at full power with a fully charged battery pack.	<ul style="list-style-type: none">• Clean the contacts on the battery pack.• Try a different battery pack
Saw does not operate or does not operate properly.	<ul style="list-style-type: none">• Return the tool to a Milwaukee service facility for repairs.





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	06/13/25	Initial Release

