

## Cordless Reciprocating Saw - Sawzall

### Potential Injuries & Hazards

<input checked="" type="checkbox"/>	Pinch points
<input checked="" type="checkbox"/>	Cuts
<input type="checkbox"/>	Burns
<input checked="" type="checkbox"/>	Eye injury
<input type="checkbox"/>	Respiratory Damage
<input checked="" type="checkbox"/>	Amputation
<input type="checkbox"/>	Slip, trip or falls
<input type="checkbox"/>	Head injury/concussion
<input checked="" type="checkbox"/>	Electric shock
<input type="checkbox"/>	Fire or explosion
<input checked="" type="checkbox"/>	MSI
<input type="checkbox"/>	Fatality
<input type="checkbox"/>	Other:



*Note: This task may expose workers to musculoskeletal injury (MSI) risks. Signs and symptoms include pain, burning, numbness, tingling, swelling, stiffness, and/or loss of movement or strength in a body part. Report these to your supervisor immediately.*

***This task may only be performed by trained and authorized personnel.***

### Personal Protective Equipment (PPE) required

CSA Safety Glasses	CSA Safety Boots	Hearing Protection	Face Shield	CSA Respirator	Cut Resistant Gloves	Nitrile Gloves	Fire Resistant Gloves	Electrical Gloves	Hard Hat / Bump Cap	Fall Protection
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspect your PPE before use. Report any damage to your supervisor immediately. Take care of your PPE: clean, maintain and store it properly.

### Education and Training Prerequisites eg. Instructions or other SOP's

Read and understand Milwaukee Cordless Reciprocating Saw –Sawzall Doc#11398

**Cordless Reciprocating Saw - Sawzall****SAFETY PRACTICES**

Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body leaves it unstable and may lead to loss of control.



To reduce the risk of injury, always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous.



Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.



When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.



Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

- lead from lead-based paint
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

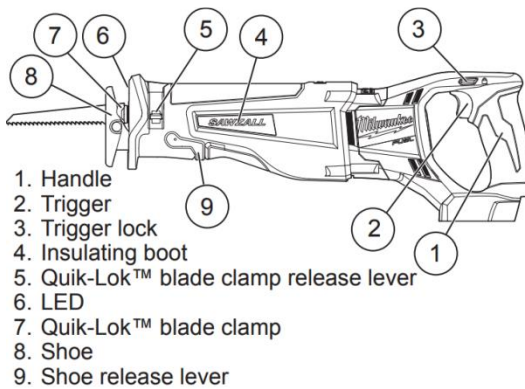
Your risk from these exposures varies, depending on how often you do this type of work.

To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

## Cordless Reciprocating Saw - Sawzall

### Adjusting the Pivot Shoe

#### FUNCTIONAL DESCRIPTION

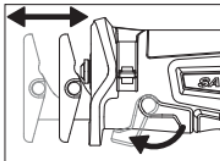


#### Adjusting the Pivot Shoe

**! WARNING** To reduce the risk of injury, blades must extend beyond the shoe and workpiece throughout the stroke. Blades may shatter if they impact the workpiece or shoe. (Fig. 2)

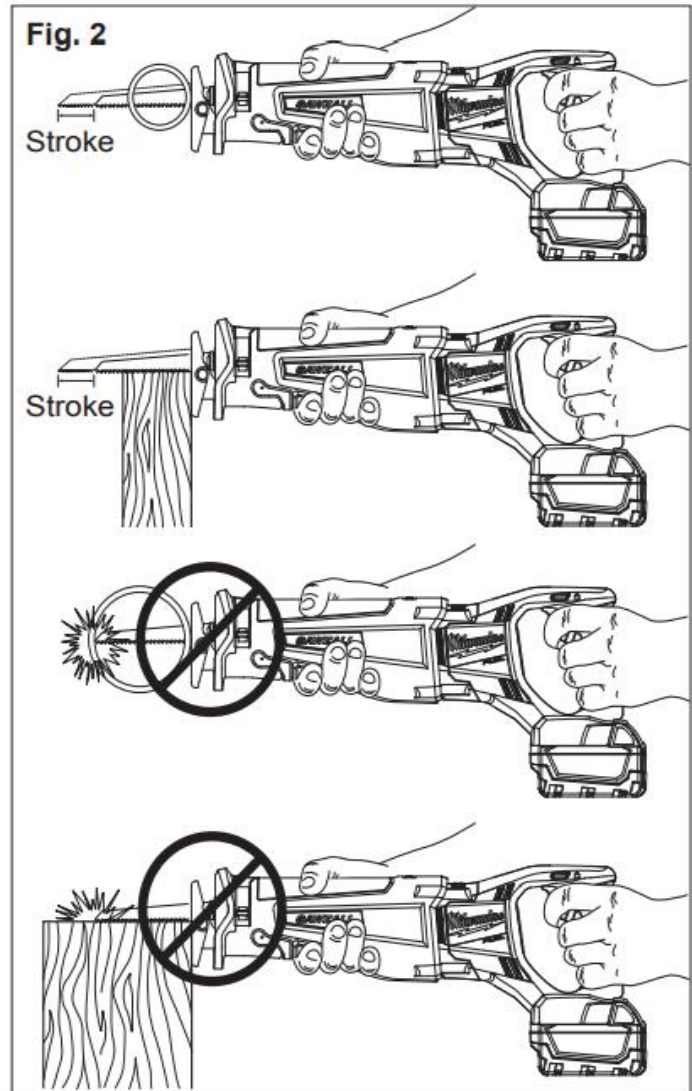
The shoe can be adjusted forward or backward to eight positions to take advantage of the unused portion of the blade or for special jobs requiring low blade clearance.

1. To adjust the shoe, rotate the shoe release lever toward the front of the tool and slide the shoe forward or backward to the desired position.



2. To lock the shoe in position, push the shoe release lever up.
3. After adjusting the shoe, slowly pull the trigger to be sure the blade always extends beyond the shoe and your workpiece throughout the stroke.

**DO NOT OPERATE SAWZALL® WITHOUT SHOE. STRIKING THE SPINDLE AGAINST WORKPIECE MAY DAMAGE THE TOOL.**





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### Operation

**! WARNING** Always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous.

#### Trigger Lock

To **lock** the trigger, push the trigger lock to the right. The trigger will not work while the switch is in the locked position. Always lock the trigger and remove the battery pack before performing maintenance and changing accessories. Lock the trigger when storing the tool and when the tool is not in use. To **unlock** the trigger, push the trigger lock to the left.



**! WARNING** To reduce the risk of personal injury, always hold tool securely.

#### Starting, Stopping and Controlling Speed

- To **start** the tool, grasp the handle firmly and pull the trigger.  
NOTE: An LED is turned on when the trigger is pulled.
- To **vary** the speed, increase or decrease the pressure on the trigger. The further the trigger is pulled, the greater the speed.
- To **stop** the tool, release the trigger. Make sure the blade comes to a complete stop before removing the blade from a partial cut or laying the tool down.

**! WARNING** To reduce the risk of explosion, electric shock and property damage, always check the work area for hidden gas pipes, electrical wires or water pipes when making blind or plunge cuts.

#### Electric Brake

The electric brake engages when the trigger is released, causing the blade to stop and allowing you to proceed with your work. Generally, the saw blade stops within two seconds. However, there may be a delay between the time you release the trigger and when the brake engages. Occasionally the brake may miss completely. If the brake misses frequently, the saw needs servicing by an authorized MILWAUKEE service facility. You must always wait for the blade to stop completely before removing the saw from the workpiece.

#### General Cutting

For straight or contour cutting from an edge, line the blade up with your cutting line. Before the blade contacts the workpiece, grasp the handle firmly and pull the trigger. Then guide the tool along your cutting line. Always hold the shoe flat against the workpiece to avoid excessive vibration.

#### Cutting Metals

Begin cutting at a slow speed, gradually increasing speed as you cut. When cutting into metals or hard materials that can not be cut from an edge, drill a starting hole larger than the widest part of the blade.



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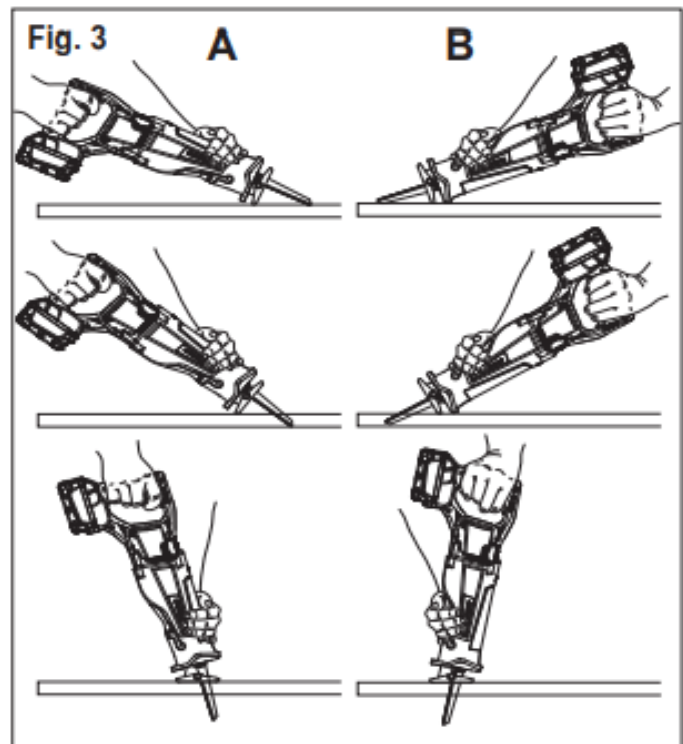
### Plunge Cutting

#### Plunge Cutting

Your MILWAUKEE Sawzall® is ideal for plunge cutting directly into surfaces that can not be cut from an edge, such as walls or floors. Plunge cutting may be done two ways depending on how the blade is inserted. Column A shows how to plunge cut with the teeth of the blade facing downward. Column B shows how to plunge cut with the teeth of the blade facing upward. Do not plunge cut into metal surfaces (see "Cutting Metals").

1. Insert the blade into the tool.  
If you inserted the blade with the teeth facing downward, hold the tool as shown in Column A, resting the edge of the shoe on the workpiece.  
If you inserted the blade with the teeth facing upward, hold the tool as shown in Column B, resting the edge of the shoe on the workpiece.
2. With the blade just above the workpiece, pull the trigger. Using the edge of the shoe as a pivot, lower the blade into the workpiece as shown.
3. As the blade starts cutting, raise the handle of the tool slowly until the shoe rests firmly on the workpiece. Then guide the tool along your cutting line to acquire the desired cut.

**NOTE:** To make plunge cutting easier, use a heavy gauge blade and install the blade with the teeth facing upward as shown in Column B.



Report to your Supervisor any condition of the operation or tool you consider unsafe.

#### Reference Material:

Doc#10197 - Tool/Equipment Use and Inspection

Doc#10107 - Safety Policy

Doc#10541 - Workplace Safety and Health

Doc#10210 - Personal Protective Equipment (PPE)

Rev#	Reason for change:	Revised by:	Date:	Re Training Required
00	New SOP	Initial Release	February 16, 2018	Yes