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> VEVOR 14-inch 2800W Cold Cut Chop Saw Instruction Manual J1G-ZB-355G-3

VEVOR J1G-ZB-355G-3

VEVOR 14-inch 2800W Cold Cut Chop Saw Instruction Manual

Model: J1G-ZB-355G-3

1. GENERAL SAFETY INSTRUCTIONS

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

1.1 Personal Safety

- **Wear eye protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear hearing protection:** Use earplugs or earmuffs during operation.
- **Wear appropriate clothing:** Avoid loose clothing, jewelry, and long hair that can get caught in moving parts.
- **Use respiratory protection:** Wear a dust mask when cutting materials that produce dust.
- **Stay alert:** Do not operate the saw when tired or under the influence of drugs, alcohol, or medication.

1.2 Electrical Safety

- **Grounding:** Ensure the saw is properly grounded.
- **Avoid wet conditions:** Do not expose power tools to rain or wet conditions.
- **Inspect cords:** Regularly check power cords for damage. Do not use damaged cords.

1.3 Work Area Safety

- **Keep area clean:** Cluttered or dark areas invite accidents.
- **Proper lighting:** Ensure adequate lighting in the work area.
- **Secure workpiece:** Always clamp the workpiece firmly before cutting.
- **Clear surroundings:** Keep bystanders, especially children, away from the operating area.

1.4 Saw Specific Safety

- **Use correct blade:** Only use blades designed for the material being cut and for this saw model.
- **Blade guard:** Ensure the blade guard is always in place and functioning correctly.
- **Soft start:** The saw features a soft start device to prevent sudden jolts and motor burning.
- **Avoid overloading:** Do not force the saw; let the blade speed do the work.

2. PRODUCT OVERVIEW

The VEVOR 14-inch 2800W Cold Cut Chop Saw is designed for precise and efficient cutting of various metal materials such as steel bars, rebar, angle iron, and aluminum. It utilizes dry-cut technology with a ceramic alloy stainless steel blade, resulting in cool-to-the-touch cuts with minimal sparks and burrs. Key features include a thickened vise for stable clamping, a tool-less adjustable fence for 0-45° miter cuts, a protective spark guard, and a soft start device for enhanced safety and motor longevity.



Figure 2.1: VEVOR 14-inch 2800W Cold Cut Chop Saw. This image provides a full view of the VEVOR 14-inch 2800W Cold Cut Chop Saw, showcasing its orange and black design with the blade guard in place.



Figure 2.2: Cold Cut Technology. This image highlights the "Cool to Touch" feature of the VEVOR Cold Cut Saw, showing a temperature gun reading a low temperature on a freshly cut metal piece, indicating minimal heat generation.

3. SETUP

3.1 Unpacking and Inspection

1. Carefully remove the chop saw and all components from the packaging.
2. Inspect the saw for any signs of damage that may have occurred during shipping. Do not operate if damaged.
3. Verify that all included components are present: 1 Instruction Manual, 1 Pair of Carbon Brush, 2 Wrenches.

3.2 Securing the Saw

For stable and safe operation, it is recommended to secure the chop saw to a workbench or a stable stand using appropriate fasteners through the mounting holes in the base.

3.3 Blade Installation/Replacement

The saw comes with a pre-installed blade. If replacement is necessary:

1. **Disconnect power:** Always unplug the saw from the power source before performing any maintenance or blade changes.
2. **Access blade:** Use the provided wrenches to loosen the blade retaining bolt.
3. **Remove old blade:** Carefully remove the old blade, noting its rotation direction.
4. **Install new blade:** Place the new 14-inch blade onto the arbor, ensuring the teeth are oriented correctly for cutting (usually indicated by an arrow on the blade and saw).
5. **Secure blade:** Tighten the blade retaining bolt firmly with the wrenches.

VEVOR



Item Model Number: J1G-ZB-355G-3

Voltage: AC120V 60 Hz

Blade Diameter: 14 in / 35.5 cm

Pivoting Fence Angle: 0-45 Degrees

Rated Power: 2800W

No Load Speed: 1200rpm

Net Weight: 51 lbs / 23.2 kg

Product Size: 18.62 x 12.59 x 28.54 in



2 x Wrenches



1 x Pair of Carbon Brush



1 x Instruction Manual

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Save Half or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us.
You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

Figure 3.1: Included Components. This image visually summarizes the VEVOR Chop Saw's specifications and lists included components: 2 wrenches, 1 pair of carbon brushes, and 1 instruction manual.

4. OPERATING INSTRUCTIONS

4.1 Workpiece Preparation

- **Material Compatibility:** This saw is suitable for steel bars, rebar, angle iron, and aluminum. Ceramic saw blades are not recommended for cutting stainless steel.
- **Clamping:** Always secure the workpiece firmly in the vise. The thickened vise with wave patterns provides increased friction and clamping tightness.

4.2 Adjusting for Angle Cuts (0-45°)

The saw features a tool-less adjustable fence for miter cuts:

1. **Unlock:** Gently turn the adjustment device to unlock the fence.
2. **Adjust Angle:** Pivot the fence to the desired angle between 0 and 45 degrees.
3. **Lock:** Securely lock the fence in position before cutting.

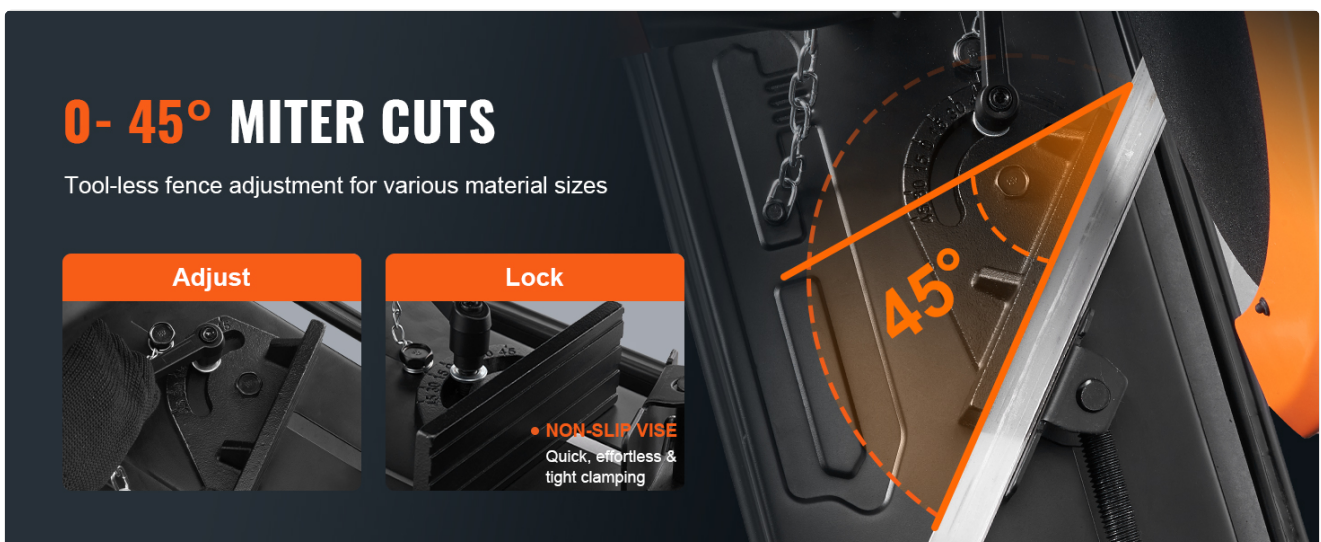


Figure 4.1: 0-45° Miter Cut Adjustment. This image demonstrates the tool-less fence adjustment for miter cuts from 0 to 45 degrees, showing how to adjust and lock the fence for various material sizes.

4.3 Starting and Cutting Procedure

1. **Power On:** Connect the saw to a suitable power outlet (AC120V 60 Hz).
2. **Initiate Start:** Press the two safety buttons simultaneously to turn on the machine. The soft start device will allow the machine to start smoothly.
3. **Full Speed:** Allow the blade to reach its full no-load speed of 1200 RPM before beginning the cut.
4. **Cutting:** Grip the handle firmly and lower the blade evenly and smoothly downward through the workpiece. Do not apply excessive force to avoid teeth chipping or motor strain.
5. **Spark Guard:** The protective spark guard will automatically wrap around the blade as it lifts, preventing injuries from chipping or splashing debris.

HOW TO USE OUR CHOP SAW?



1
Clamp the materials to be cut.



2
Press two buttons at the same time to turn on the machine.



3
Grip the handle and cut evenly and smoothly downward. Do not cut too hard to avoid teeth chipping.

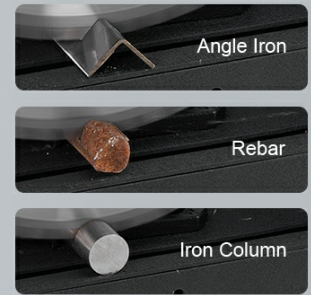


Figure 4.2: How to Use the Chop Saw. This three-panel image illustrates the steps for using the chop saw: 1) Clamping the material, 2) Pressing two buttons to turn on the machine, and 3) Gripping the handle and cutting evenly. Examples of materials like angle iron, rebar, and iron column are shown.

AUTO CLOSE SPARK GUARD

Capture and deflect debris away

Push Down

Protective shield drops automatically to avoid splashing



Figure 4.3: Automatic Spark Guard. This illustration shows the automatic closing spark guard on the VEVOR Chop Saw, which captures and deflects debris, with the protective shield dropping automatically when the saw is lowered.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your VEVOR Chop Saw.

5.1 Cleaning

- **Disconnect power:** Always unplug the saw before cleaning.
- **Remove debris:** Use a brush or compressed air to remove metal shavings and dust from the motor vents, blade guard, and base.
- **Wipe surfaces:** Clean external surfaces with a damp cloth. Avoid using harsh chemicals.

5.2 Blade Inspection and Replacement

- **Inspect regularly:** Check the blade for dullness, cracks, or missing teeth before each use. A dull blade can cause overheating and poor cuts.
- **Replace as needed:** Replace worn or damaged blades immediately following the procedure in Section 3.3.

5.3 Carbon Brush Replacement

The saw includes a pair of carbon brushes for replacement. Carbon brushes wear down over time and need to be replaced when they become too short. Refer to the specific instructions in the included manual for the exact procedure for your model.

5.4 General Inspection

- **Check fasteners:** Ensure all nuts, bolts, and screws are tight.
- **Moving parts:** Verify that all moving parts operate smoothly without binding.
- **Power cord:** Inspect the power cord for any cuts, abrasions, or damage.

6. TROUBLESHOOTING



This section addresses common issues you might encounter with your VEVOR Chop Saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply Faulty power cord Carbon brushes worn Safety switch not engaged	Check power connection and circuit breaker Inspect and replace power cord if damaged Replace carbon brushes (refer to Section 5.3) Ensure both safety buttons are pressed simultaneously
Poor cut quality / Excessive burrs	Dull or damaged blade Incorrect blade for material Workpiece not clamped securely Feeding too fast	Replace blade Use appropriate blade for metal type Secure workpiece firmly in vise Reduce cutting pressure and speed
Excessive sparks during cutting	Dull blade Incorrect cutting technique Blade not suitable for material	Replace blade Apply steady, even pressure; avoid forcing the cut Ensure blade is designed for cold cutting metal
Saw motor overheats	Overloading the motor Blocked ventilation slots Dull blade	Reduce cutting load; allow motor to cool Clean ventilation slots Replace blade

7. SPECIFICATIONS

Technical specifications for the VEVOR 14-inch 2800W Cold Cut Chop Saw (Model J1G-ZB-355G-3).

Feature	Specification
Model Number	J1G-ZB-355G-3
Rated Power	2800W
Voltage	AC120V 60 Hz
No Load Speed	1200 RPM
Blade Diameter	14 inches / 355 mm
Pivoting Fence Angle	0-45 Degrees
Net Weight	51 lbs / 23.2 kg
Product Size (L x W x H)	18.62" x 12.59" x 28.54"
Blade Material	Stainless Steel (Ceramic Alloy)
Included Components	1 Instruction Manual, 1 Pair of Carbon Brush, 2 Wrenches



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Figure 7.1: Detailed Specifications. This image provides a visual summary of the VEVOR Chop Saw's specifications and lists included components.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This VEVOR Chop Saw (Model J1G-ZB-355G-3) comes with a **1-year warranty for replacement parts** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, accident, unauthorized repairs, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact VEVOR customer support. Refer to the contact information provided on the VEVOR official website or in your purchase documentation.

When contacting support, please have the following information ready:

- Model Number: J1G-ZB-355G-3
- Date of Purchase
- Detailed description of the issue