Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 21e

WARRIOR™

UNIVERSAL FOLDING MITER SAW STAND



Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.
Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

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WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

⚠WARNING

Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

1. **Do not move Stand with Miter Saw attached.**
2. **Prior to using this product, read and understand all instructions and safety precautions as outlined in the manufacturer's manual of the Miter Saw that is to be used.**
3. **Make sure the Miter Saw Stand is placed on a flat, level, hard surface capable of supporting the weight of Miter Saw Stand, Miter Saw being used, and the workpiece.**
4. **Bolt the Miter Saw securely to the mounting brackets on the Miter Saw Stand and test work set-up for stability before use.**
5. **Make sure the workpiece is supported at all times during operation.** Use the two Extension Arms (12) with longer wood stock if necessary.
6. **Unplug the Miter Saw from its electrical supply source before performing any service or maintenance on the Miter Saw Stand.** Make sure to unplug the Miter Saw before leaving the work area, moving the Miter Saw Stand from one location to another, cleaning sawdust from the unit, etc.
7. **Engage both Levers beneath the Mounting Brackets fully before using the Miter Saw.**
8. **Wear ANSI-approved safety goggles during assembly and use.**
9. **Do not exceed listed weight capacity. Be aware of dynamic loading!** Sudden load movement may briefly create excess load causing product failure.
10. Weight capacity and other product capabilities apply to properly and completely assembled product only.
11. When folding or unfolding the Miter Saw Stand, be careful not to pinch fingers.

12. This product is not a toy.
    Do not allow children to play with or near this item.

13. Use as intended only.

14. Keep hands clear of moving parts.

15. Maintain labels and nameplates on the tool.
    These carry important safety information.
    If unreadable or missing, contact
    Harbor Freight Tools for a replacement.

16. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

17. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

Tools mounted on this Stand vibrate during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool.
   If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

3. Wear suitable gloves to reduce the vibration effects on the user.

4. Use tools with the lowest vibration when there is a choice.

5. Include vibration-free periods each day of work.

6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

8. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
   • Avoid operating alone.
   • Properly maintain and inspect to avoid electrical shock.
   • Properly ground power cord. Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.

SAVE THESE INSTRUCTIONS.

Specifications

Maximum Load	350 lb
Maximum Extension	80"
Saw Capacity	Fits up to 10″ Miter Saws

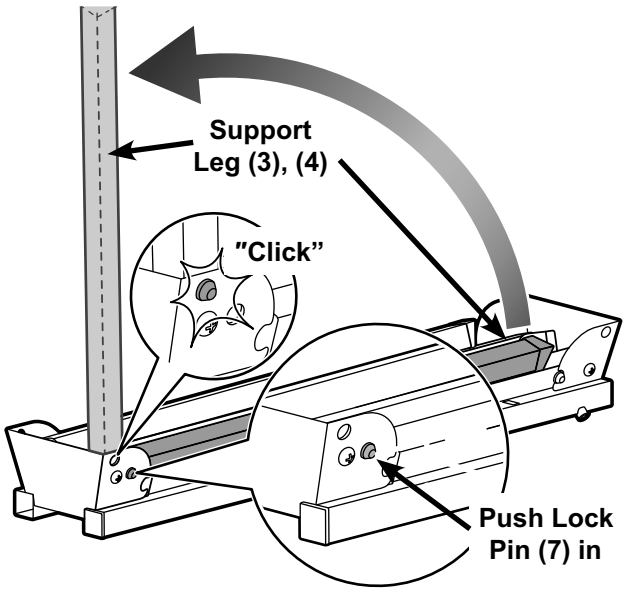
Setup - Before Use

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to *Parts List and Diagram* on page 11.

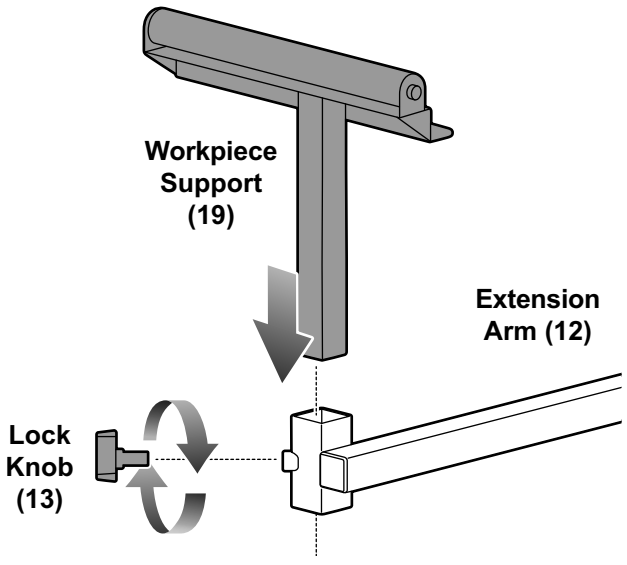
Set Up

1. Lay the Saw Stand upside down on the floor with the folded legs facing upward.
2. Push the Lock Pin (7) in and lift Support Leg (3), (4) up.
3. Continue lifting until the Lock Pin clicks into place at the top hole.
4. Repeat for the other three Legs.
5. Lift and turn the Saw Stand over to an upright working position.
6. Make sure all four Lock Pins are engaged, and the Legs and Saw Stand are stable.



Assembly

1. Slide a Workpiece Support (19) into the end of an Extension Arm (12).
2. Thread a Lock Knob (13) into the hole on the side of the Extension Arm.
3. Adjust the Support to the desired height and secure it to the Extension Arm by twisting the Lock Knob until tight.
4. Repeat for the other Workpiece Support and secure it to the other Extension Arm.



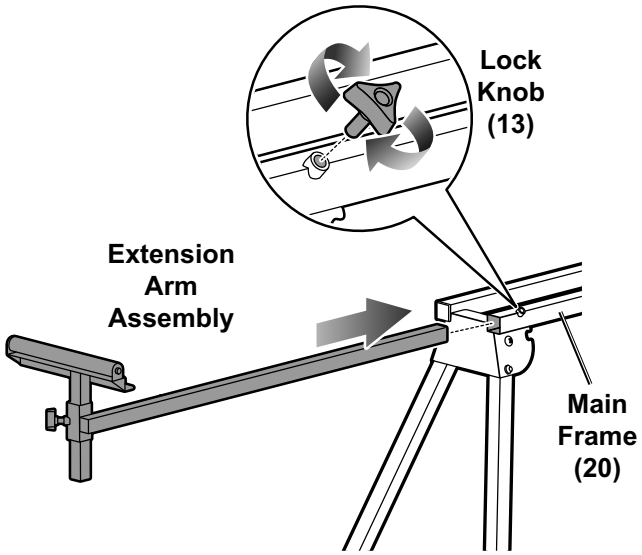
5. Slide an Extension Arm assembly all the way into one end of the Main Frame (20).

6. Thread a Lock Knob (13) into the hole on the side of the Main Frame.

7. Adjust the Arm assembly to the desired length and secure to the Main Frame by twisting the Lock Knob until tight.

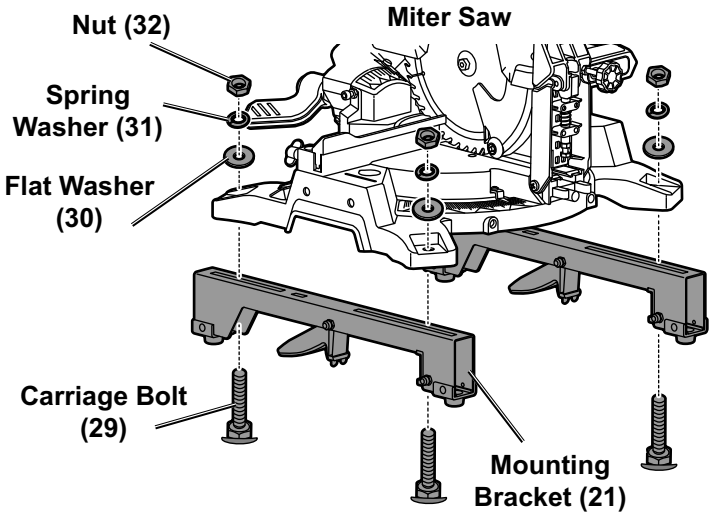
8. Repeat for the other Arm assembly and secure it to the other end of the Main Frame.

9. Attach the Miter Saw (not included) to the two Mounting Brackets (21) using four Carriage Bolts (29), Flat Washers (30), Spring Washers (31), and Nuts (32).

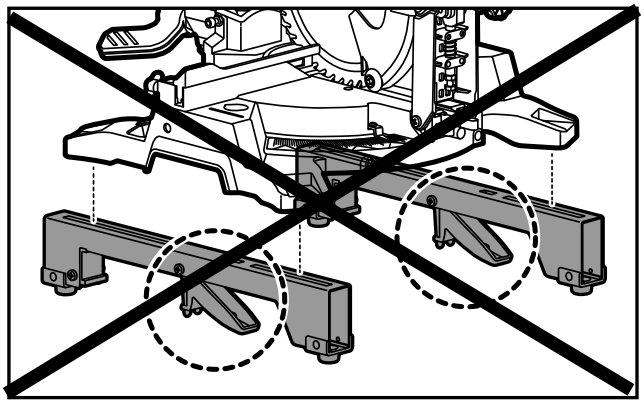


Note: The two Mounting Brackets must be parallel to each other. If the miter saw does not have at least four mounting holes that line up with the bolts on the Mounting Brackets, it will need to be attached using a universal mounting platform, as explained on page 6.

WARNING! Included Carriage Bolts (29) may be too long or short for your miter saw. They must properly secure the miter saw to the brackets, thread all the way through the washers and nut, and not interfere with the safe operation of the saw in any way. Replacement bolts can be used instead, but they must be grade 5, have the same head type and size as the included Bolts (29), and have a 1.0mm thread pitch and M6 thread diameter. They also must properly secure the miter saw to the brackets, thread all the way through the washers and nut, and not interfere with the safe operation of the saw in any way.



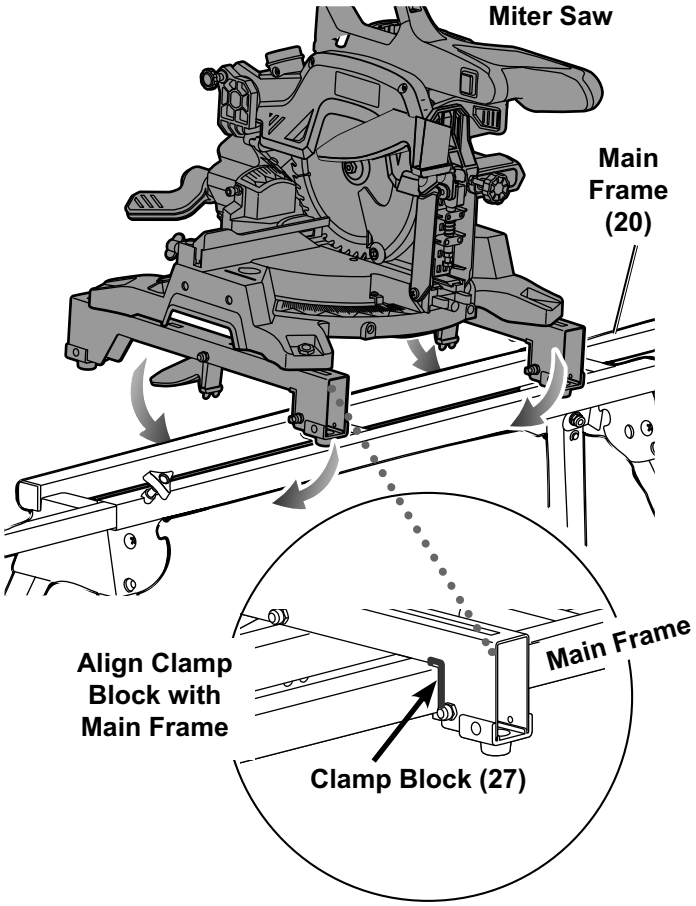
NOTICE: Be sure Brackets are installed correctly. Do not install them backwards.



INCORRECT! Brackets backwards.

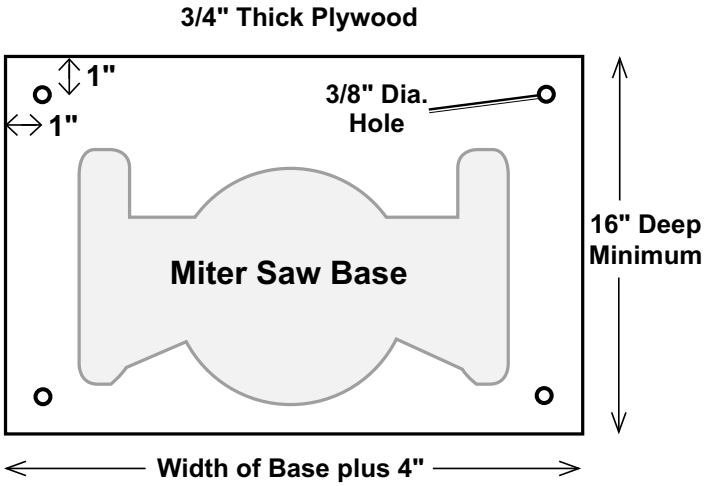
CAUTION! Make sure the Miter Saw (not included) is unplugged from its electrical power supply source before attempting to mount on the Saw Stand.

10. With the help of an assistant, lift and mount the Miter Saw/Mounting Brackets onto the Main Frame (20).
    a. On both Brackets, squeeze the Mounting Bracket Lever (24) to open it.
    b. Align the Clamp Blocks, on the inside end of the Brackets, to one side of the Main Frame. Then, guide the Saw/Brackets down so that the Levers align with the other side of the Main Frame.
    c. Release the Levers once they and the Blocks are aligned with the Frame. Releasing the Levers will lock the Saw/Brackets onto the Main Frame.
11. To move the Saw, squeeze the Lever on each Bracket. Slide the Saw across the Frame and into its desired position. Once in position, release the Levers to lock the Saw in place.
12. To remove the Saw with attached Mounting Brackets from the Saw Stand, squeeze the Lever on each bracket. This will open the Levers and allow you to lift the Saw/Brackets off of the Stand.
13. Once the Saw is positioned, check that it is fully seated and locked in position. The Clamp Blocks should be on the same side of the Stand as the Saw operator.



Universal Mounting Platform

1. For Miter Saws with unusual mounting patterns, a mounting platform can be used. Use minimum 3/4″ thick plywood that is at least 4″ wider than the widest part of the miter saw base and at least as deep as the smallest depth of the miter saw base or a minimum of 16″, whichever is larger.
2. Ensure the plywood is square and drill 3/8″ holes in the four corners, 1″ in from the sides. These will be the holes for the two Mounting Brackets (21).



3. Place the Miter Saw in the chosen location on the platform and use mounting holes in the miter saw base as a template to mark mounting hole locations on the plywood. Remove saw and drill holes at marked locations of an appropriate size for the mounting hardware to be used. Use the largest diameter hardware possible.

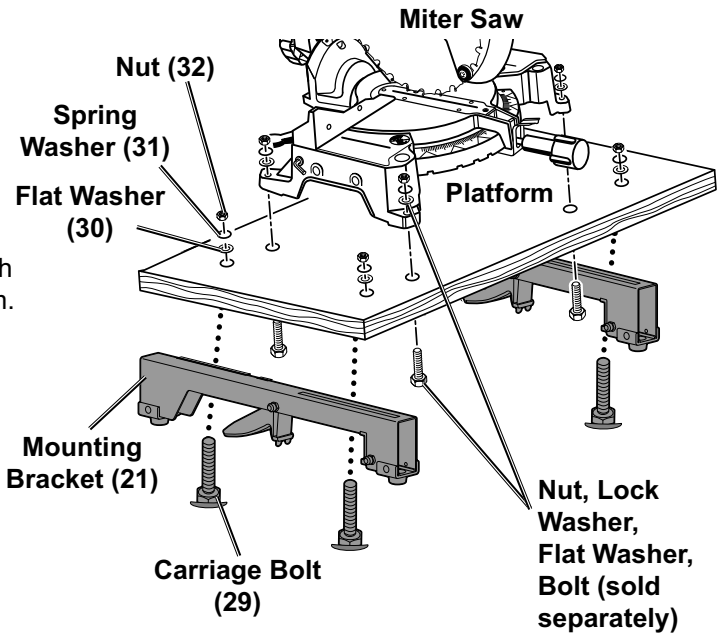
4. Position the two Mounting Brackets (21) to align with the mounting holes (drilled in step 2) on the platform.

Note: The two Mounting Brackets must be parallel to each other.

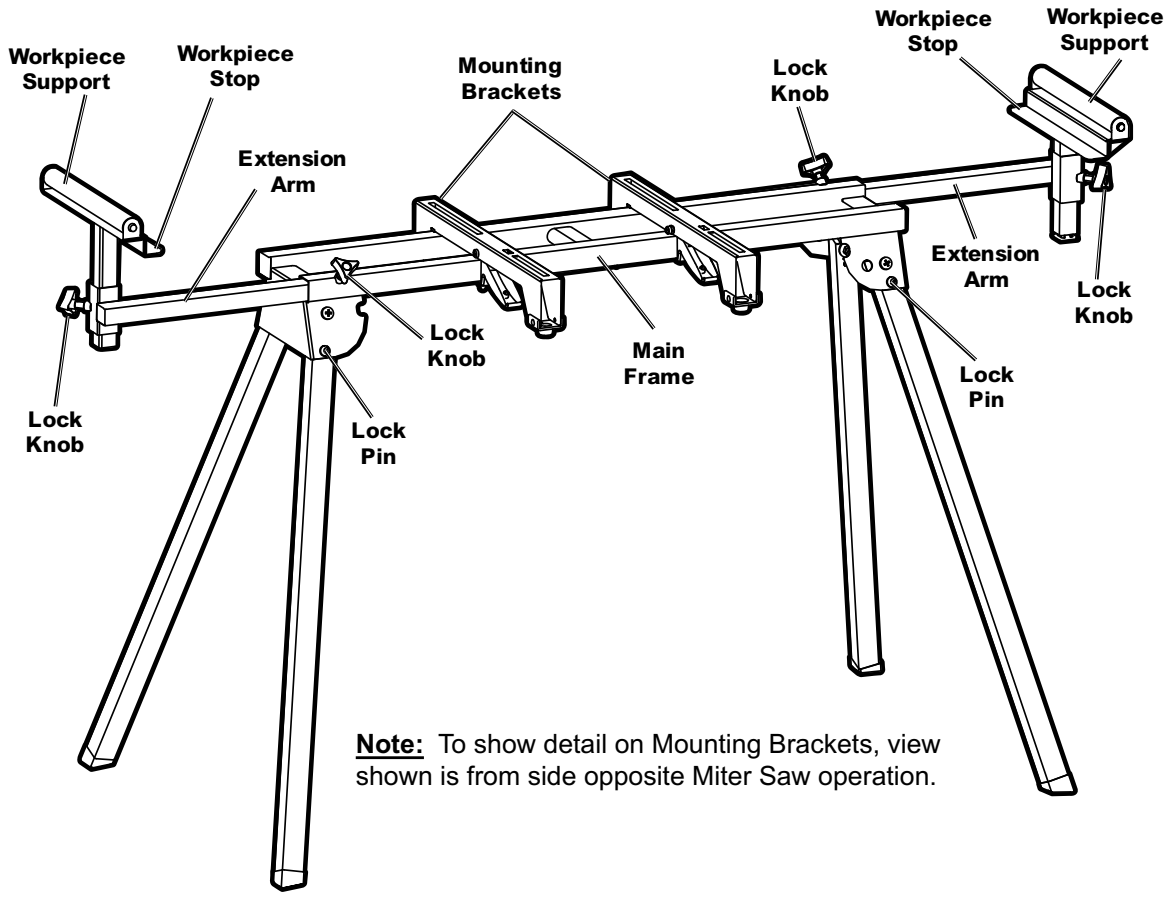
5. Attach the two Mounting Brackets to the platform using four Carriage Bolts (29), Flat Washers (30), Spring Washers (31), and Nuts (32).

6. Mount Miter Saw to plywood platform using four Bolts (grade 5 or better), Flat Washers, Lock Washers, and Nuts (sold separately). Tighten all hardware securely.

7. Proceed to installing the Miter Saw onto the Main Frame, step 10 on page 6.



Components and Controls



Note: To show detail on Mounting Brackets, view shown is from side opposite Miter Saw operation.

Operation

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

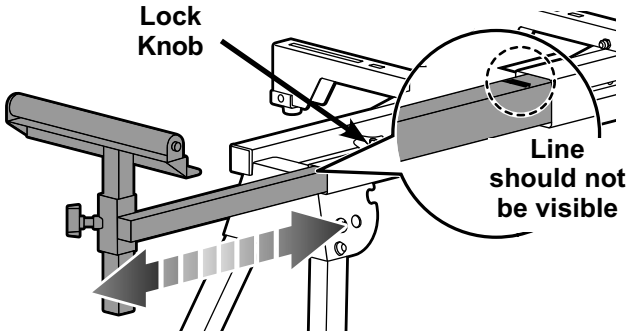
⚠WARNING

TO PREVENT SERIOUS INJURY:

1. **Read the Miter Saw manufacturer's instruction manual before use.**
2. **Bolt the Miter Saw securely to the mounting brackets on the Miter Saw Stand and test work set-up for stability before use.**
3. **Engage both Levers beneath the Mounting Brackets fully before using Miter Saw.**
4. **Use as a miter saw stand only - do not use with any other type of power tool.**
5. **Do not exceed listed weight capacity.**
6. **Do not use on uneven or slippery surfaces.**

Extension Arms

1. To use the Extension Arms to provide support for longer workpieces, loosen the Lock Knob to unlock the Arm.
2. Extend the Extension Arm to the desired length but make sure the line marked on the arm is not visible.
3. Tighten the Lock Knob to secure the Extension Arm in place.

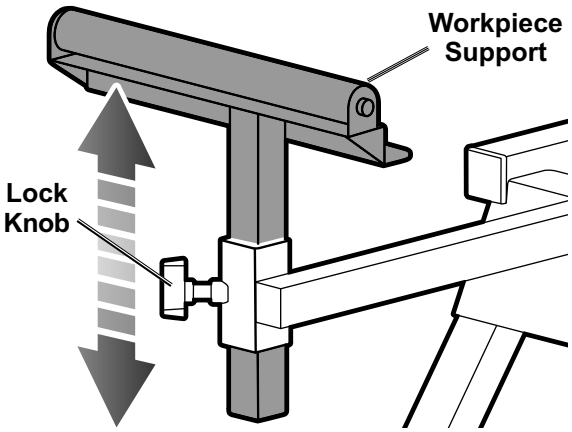


Workpiece Supports

1. To adjust the height of the Workplace Supports, loosen the Lock Knob at the end of either Extension Arm and raise the Support so that it is level with the saw table.

CAUTION! Ensure that the workpiece lays flat on saw table or saw blade may bind when cutting.

2. Tighten the Lock Knob and adjust the other Workpiece Support in the same manner.



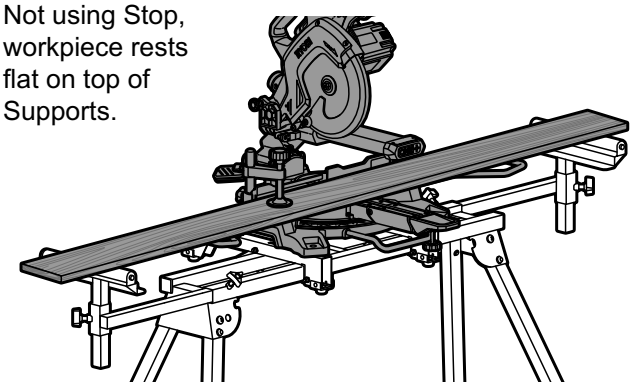
Workpiece Stops

1. Use the Workpiece Stop, part of the Workpiece Support, to make multiple cuts of the same length. Raise one Stop so that one end of the workpiece rests on the Stop shelf.
2. Position the Workpiece Support as explained in “Workpiece Supports” on previous page.
3. Position length of Extension Arm as explained in “Extension Arms” on previous page.

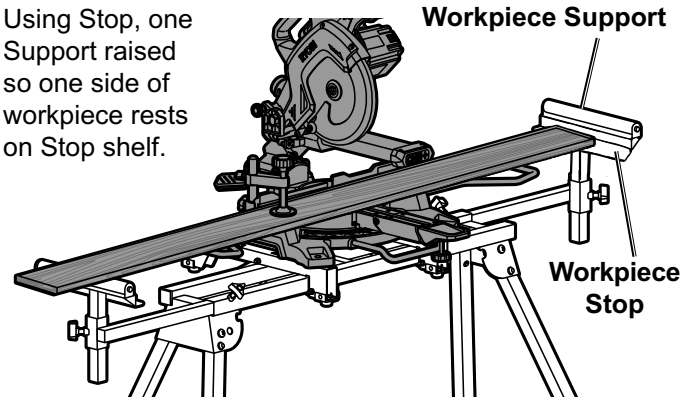
CAUTION! Do not use both Workpiece Stops at the same time or saw blade may bind in the workpiece when cutting.

4. Tighten all Lock Knobs before use.

Not using Stop, workpiece rests flat on top of Supports.



Using Stop, one Support raised so one side of workpiece rests on Stop shelf.



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Maintenance

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the power switch of the miter saw mounted on the Miter Saw Stand off, and unplug the tool from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. **BEFORE EACH USE,** inspect the general condition of the Miter Saw Stand. Check for:
   - loose hardware
   - misalignment or binding of parts
   - cracked or broken parts
   - loose or improper mounting of the miter saw
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the Stand with clean cloth.
3. Periodically, lightly lubricate all moving parts of the Miter Saw Stand.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here:_____

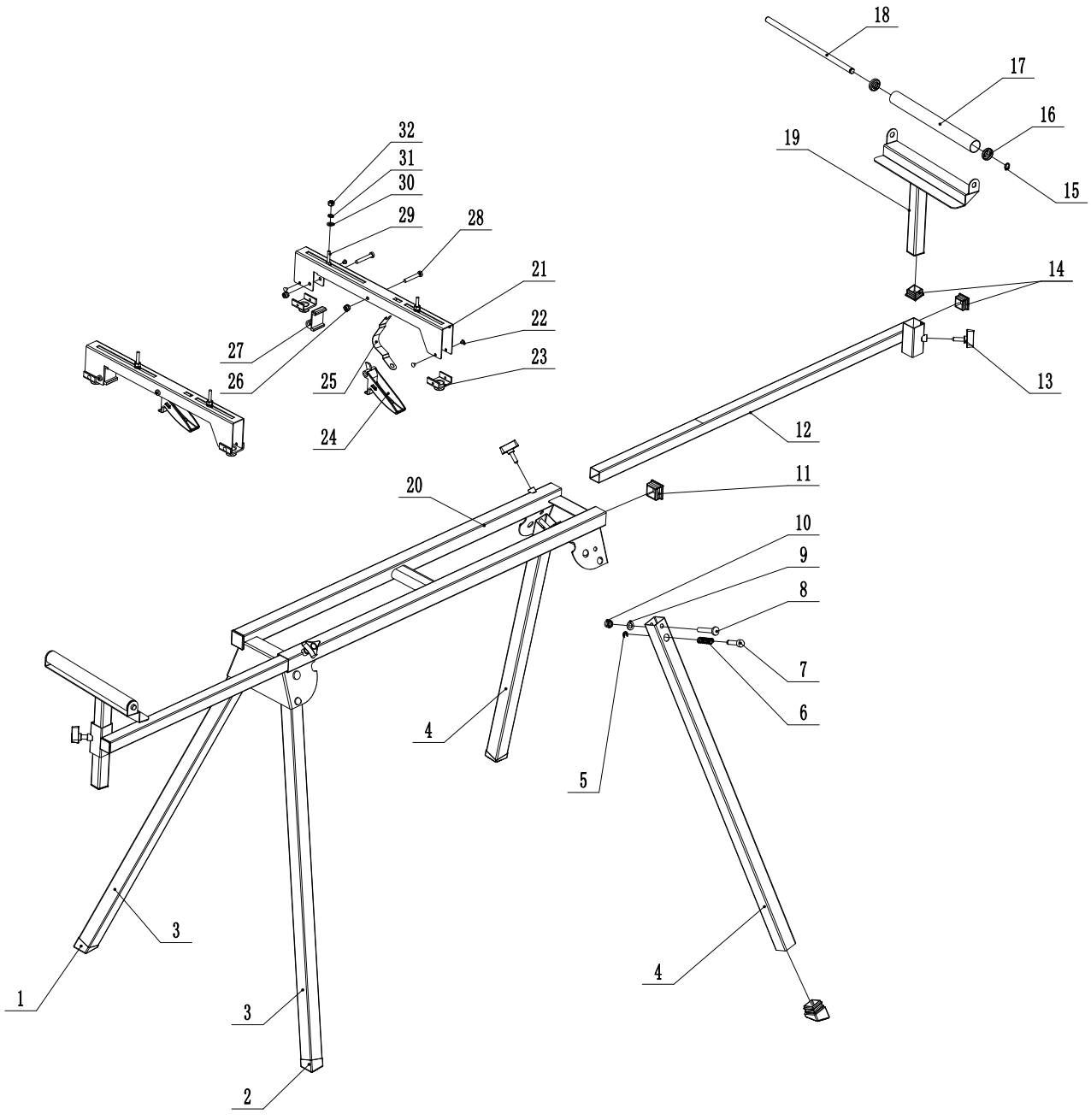
Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175440112 when ordering parts.

Parts List and Diagram

Part	Description	Qty
1	Left Leg Cap	2
2	Right Leg Cap	2
3	Support Leg, long	2
4	Support Leg, short	2
5	Retaining Ring, Ø6	4
6	Spring	4
7	Lock Pin	4
8	Carriage Bolt, M8 x 45	4
9	Flat Washer, Ø8	4
10	Lock Nut, M8	4
11	Main Beam Cap	2
12	Extension Arm	2
13	Lock Knob	4
14	End Cap	4
15	Shaft Washer, Ø10	2
16	Roller Bearing	4

Part	Description	Qty
17	Roller	2
18	Roller Shaft	2
19	Workpiece Support	2
20	Main Frame	1
21	Mounting Bracket	2
22	Core Rivet	8
23	Mounting Bracket Bottom	4
24	Mounting Bracket Lever	2
25	Spring Sheet	2
26	Lock Nut, M6	4
27	Clamp Block	2
28	Cross Head Screw, M6 x 37	4
29	Carriage Bolt, M6 x 45	4
30	Flat Washer, Ø6 x 20 x 2	4
31	Spring Washer, Ø6	4
32	Nut, M6	4



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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