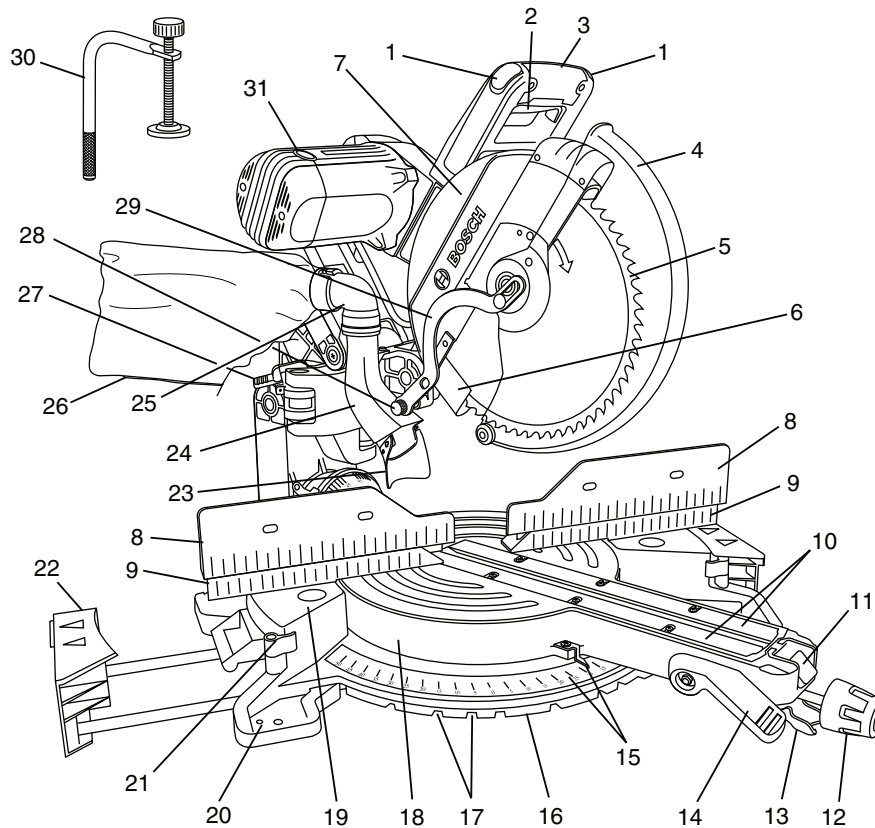




Getting To Know Your Miter Saw

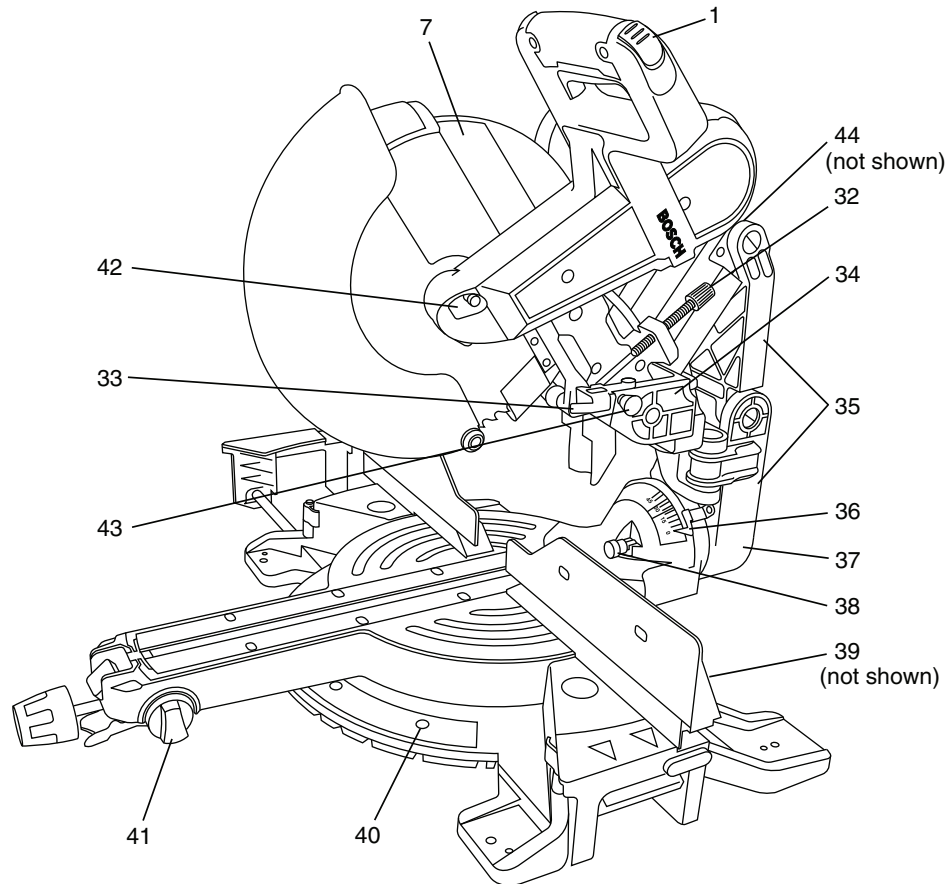


WARNING To avoid injury from accidental starting, remove plug from power source outlet before making any adjustments.

1. **Switch Lock-OFF Release Buttons** – One of these two buttons must be pressed before the power switch can be pressed.
2. **Power Switch** – The power switch used with the “Lock-OFF” button energizes the unit.
3. **Main Handle** – This handle contains the power switch. Pulling this handle down lowers the blade into the workpiece.
4. **Lower Blade Guard/Lower Guard Lip** – The lower blade guard helps protect your hands from the spinning blade. It retracts as the blade is lowered. Lip can be used to raise the lower guard in the event that the guard becomes jammed on a workpiece.
5. **Blade** – Use only 12" (308 mm) diameter blades with 1" (25.4 mm) diameter arbor holes.
6. **Chip Deflector** – Deflects cut-off workpieces from entering the upper guard.
7. **Upper Guard** – Covers upper portion of the blade.
8. **Sliding Fence** – Supports the workpiece. The fence has a cast-in scale to make repetitive cuts easy. The fence also has holes to secure an auxiliary fence if desired.
9. **Stationary Fence** – Stationary fence is bolted to the base and will support the workpiece when the sliding fence is removed.
10. **Kerf Inserts** – Kerf inserts can be adjusted to different blade widths to minimize workpiece tear-out.
11. **Miter Detent Override** – Allows detent action to be locked out, allowing for micro-adjustments to any miter angle.
12. **Miter Lock Knob** – The miter lock knob locks the miter saw table at any desired miter angle.
13. **Miter Detent Lever** – The lever releases the table from the detent.
14. **Bevel Lock Lever** – The front-positioned bevel lock lever locks the head assembly at the desired bevel angle.
15. **Miter Scale/Miter Pointer** – The pointer rotates with the table and blade. It points to the miter scale to indicate the angle setting before a cut is made.
16. **Miter Detent Plate** – The position of the plate can be adjusted to set the accuracy of its detent locations.
17. **Miter Detents** – There are ten (10) miter detent slots for fast and accurate miter cuts of common miter angles.
18. **Table** – Sits in base, provides workpiece support, rotates for desired miter cuts and rotates the head assembly. The front extended part of the table is called the miter arm.
19. **Base** – Provides working surface to support workpiece.
20. **Tool Mounting Pads** – The four corners of the saw provide areas to clamp, bolt or nail the saw to a flat work surface.



Getting To Know Your Miter Saw



NOTE: To view items 21 through 31, see page 8.

- 21. Base Extension Clamping Levers** – Lock the base extensions at the desired positions.
- 22. Sliding Base Extensions** – Provide extra work support. Useful when cutting long workpieces.
- 23. Rubber Deflector** – Attaches to bottom of chute. Deflects dust into the chute.
- 24. Dust Chute** – Directs sawdust up and through the elbow and to the bag.
- 25. Elbow** – Connects the dust chute to the dust bag. Can be rotated to direct dust.
- 26. Dust Bag** – Has a zipper at the bottom. Bag can be uncoupled from elbow for emptying.
- 27. Mechanism Lock Lever** – Holds saw in full back position for chop cuts or fully extended for transporting.
- 28. Link Knob** – Attaches guard link to the pivot post.
- 29. Lower Guard Link** – Allows for smooth movement of the lower guard.
- 30. Clamp** – Use to hold the workpiece to the table and base – insert into clamp post location (item 39).
- 31. Brush Cap** – Keeps motor brushes in position. Provides access for inspecting and replacing brushes.
- 32. Depth Stop Screw** – Turn the knob end to adjust the blade depth for cutting grooves.
- 33. Depth Stop Plate** – Plate can be swung out to limit the depth of the blade travel.
- 34. Pivot Post** – Provides support for the saw head, dust collection system and other functional parts.
- 35. Axial Glide Mechanism** – Allows saw to smoothly slide in and out. Can be locked in full rear or fully extended positions.
- 36. Bevel Scale and Pointers** – Scale is large and angled - allows user to easily read bevel angles. Pointer indicates what the current angle is.
- 37. Bevel Post** – Provides rotating support for all miter saw parts above the table.
- 38. Bevel Detent Pin (Crown Molding Setting)** – When engaged, it locks the head assembly to the bevel angle of 33.9° to the left or right.
- 39. Clamp Post Locations** – Two vertical post holes in the base – provided to insert the clamp (item 30).
- 40. Miter Detent Plate Screws** – Four screws accessible through holes in the miter scale. These screws are loosened when adjusting position of the detent plate.
- 41. Bevel Range Selector Knob** – Allows selection of 3 bevel ranges: “0-45° Left”, “0-45° Right” or “Max. Bevel Angle to 47°.”
- 42. Arbor Lock** – Press arbor lock button to keep blade from rotating when loosening or tightening arbor bolt during blade removal or installation.
- 43. Head Assembly Lock Pin** – Used to lock the head assembly in the lower position for transporting.
- 44. Glide Movement Controller** – Adjusts to regulate movement of the glide mechanism.

Assembly

Unpacking and Checking Contents

Unpacking the Miter Saw – When removing this tool from packaging materials, reach down to the two side carry-handle locations and slowly lift until it clears the package.

⚠ WARNING To avoid severe pinching, never lift or move this saw by gripping any component of the mechanism support system.



This symbol is placed at various locations on the tool to warn the user of pinch-point areas.

Checking Contents in Package – Open the top of the package and look for the included loose parts. Refer to the diagram below.

Some small parts such as the bevel lock lever and miter lock knob require attachment to the tool before it is ready for use – See “Attaching Loose Parts” on page 12.

⚠ WARNING To avoid possible injury, always disconnect plug from power source before performing any assembly, adjustments or repairs.

Loose Parts - 1 of each shown

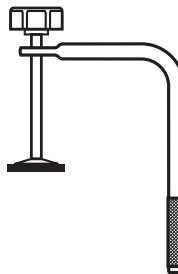


Check off for each part

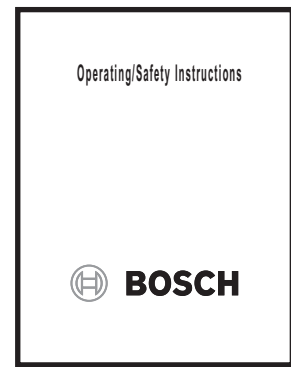
10mm Flat Washer



Workpiece Clamp



Manual



Bevel Lock Lever



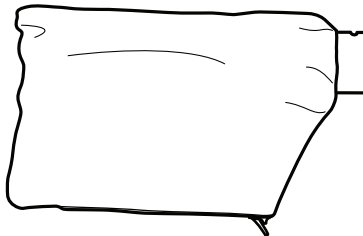
6mm Flat Washer



6mm Lock Nut



Dust Bag



10 mm Socket Tool



6/4mm Hex Key

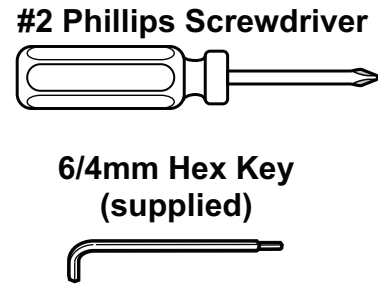
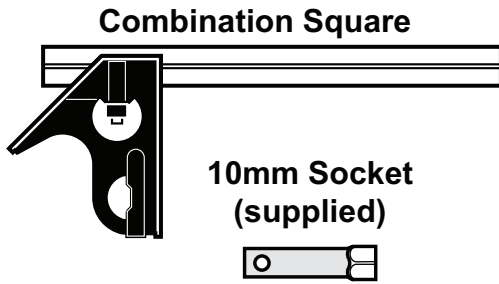


Miter Lock Knob



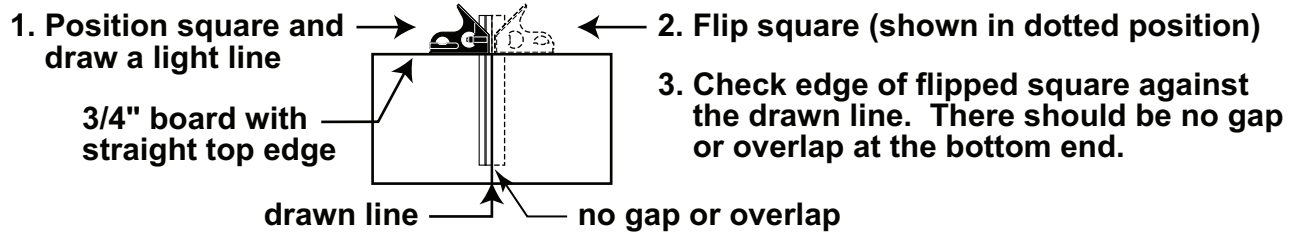
Assembly

Tools Needed for Assembly and Alignment



NOTE: A 6mm and a 4mm hex key can be substituted for the supplied 6/4mm hex key.

Combination Square Must Be True - Checking Combination Square

1. Position square and draw a light line
 2. Flip square (shown in dotted position)
 3. Check edge of flipped square against the drawn line. There should be no gap or overlap at the bottom end.
- 
- 3/4" board with straight top edge
- drawn line
- no gap or overlap