

Cutting Angle Spring Lock Pin

The BBM307/YBM307 Block Buster Mini Masonry saw is designed with three different cutting heights for jam cutting, a moving head for chop (or plunge cutting), and a moving cart combined with the moving head for step cutting to help make any cutting task easier.

Before adjusting the cutting height always disconnect the electrical power supply. To adjust the BBM's fixed cutting position, pull up on the Angle Lock Pin (see Figure 1-1: Angle Lock Pin), move the head to the new position, release the Angle Lock Pin, and rotate the cutting head up/down until the Angle Lock Pin locks into position (lowest position for cutting thru bricks, the middle position for cutting medium size material, and the upper position is for cutting block.) (See figure 1-2: Angle Locking Position).

Head Position	Application
Fixed Lowest	Jam Cutting Bricks
Fixed Middle	Jam Cutting Medium Size Bricks
Fixed Upper	Jam Cutting Block
Pivoting	Chop or Plunge Cutting
Pivoting Head with Moving Table	Step Cutting

To operate the BBM Block Buster Mini as a chop or plunge saw: pull up on the Angle Lock Pin, rotate 90 degrees, and release. Now the cutting head can be rotated by pulling up or pushing down on the cutting head handle. When not in use, always lock the head into one of the three cutting height positions.

Do not install the blade until it is time to use the saw!

This machine is designed for the use with steel center diamond blades ONLY!

Lock the cutting head in place before transporting the BBM

ANSI regulations prohibit the transportation of any concrete saw with the blade installed!

Do not lift the saw by the cutting head. This may result in injury or damage to the machine.

Disconnect the power supply and lockout the power switch before when moving, maintaining, or servicing the machine.

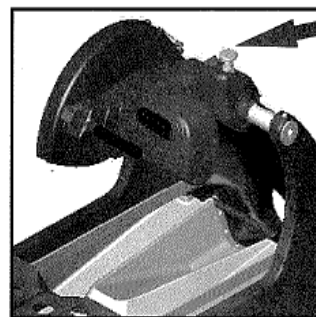


Figure 1-1: Angle Lock Pin

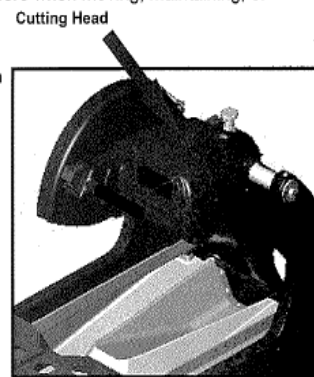


Figure 1-2: Angle Locking Position

Dust Collection Pan

The Dust Collection Pan is assembled to the machine from the factory. The following procedure is to remove or to replace the Dust Collection Pan Assembly:

1. Remove Conveyor Cart (see page 11 Conveyor Cart Assembly for instructions) and then remove the four (4) sets of Hardware (Bolt, Lock Washer, and Washer) from each corner of the machine frame and remove the rails from the frame (see Figure 2-1: Removing the Rails). Note the orientation of the Hardware and the Rails.
2. Remove the Dust Pan Assembly from the frame (see Figure 2-2: Removing the Pan).
3. Replace the Dust Pan Assembly if required.
4. Replace the Rails (note that the leg with the mounting holes will face towards the outside of the frame).
5. Replace the Hardware. Snug the operator's left hand side and fully tighten the operators right hand side hardware.
6. Place the Conveyor Cart on the rails (see page 11 Conveyor Cart Assembly for instructions).
7. Align the Conveyor Cart to the blade by moving the operators left hand rail.
8. After the conveyor cart is aligned to the blade, tighten the left hand rail.

- Do not try to remove the Dust Collecting Pan without first removing the Rails.
- Removing the Dust Collecting pan without following the above assembly procedure will Damage the Dust Collecting Pan.

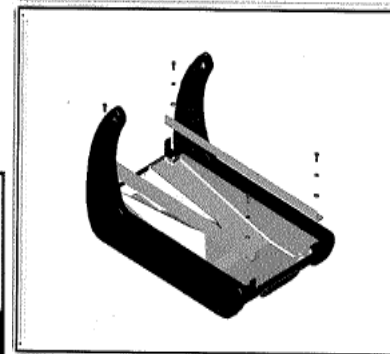


Figure 2-1: Removing the Rails.

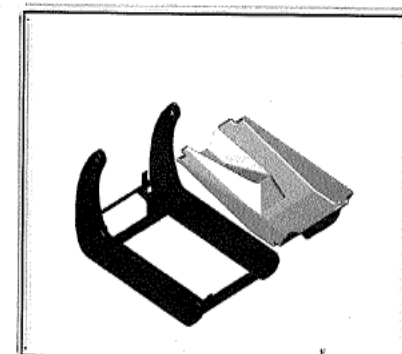


Figure 2-2: Remove the Pan

Electric Motor

The BBM307/YBM307 Block Buster Mini Masonry Saw electrical information:

Motor Specifications:

Voltage: 115-volt
Cycles: 60Hz
Amperage: 14Amp
Horsepower: 3HP Peak
Watts: 2,238 watt

Extension Cords:

Most motor trouble is the result of too small gauge or too long of extension cord. **Cords must be one piece and as short as possible.** Cords should be no longer than shown in the following table. The Norton Construction Products is not responsible for damage to motors due to the use of extension cords that are too small or too long.

Extension Cord Chart	
Wire Gauge	Maximum Length
14 AWG	25' (7.6 m)
10 AWG	50' (15.2 m)

Electrical Supply:

The Block Buster Mini Masonry Saw should be connected to 115-volt 60 Hertz electrical supply with a minimum of a 15 amp circuit. For best results use a 20 amp circuit. Using the machine with the improper electrical supply can result in motor damage and is not covered under warranty.

Generator:

For best results use a generator that has a continuous output that is greater than 4,000 watts (4kW). Using the machine with a generator that is less than the recommend output can result in motor damage and is not be covered under warranty.

Electrical Safety

For safety and security concerns the operator should lockout the power switch when the machine is not in use.

Ground Fault Circuit Interrupt (GFCI)

This machine requires the use of a Ground Fault Circuit Interrupt (GFCI) device.

Grounding:

Do not modify the plug as provided- if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement if the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or service personal if the grounding instructions are not completely understood, of in doubt as to whether the tool is properly grounded. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug. Repair or replace damaged or worn cord immediately.

Electrical Safety

12. **SECURE WORK.** Use clamps or vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.

13. **DON'T OVERREACH.** Keep proper footing and balance at all times.

14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

15. **DISCONNECT TOOLS** before servicing; when changing accessories, such as blades, bits, cutters, and the like.

16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.

17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use improper accessories may cause risk of injury to persons.

18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.

19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

Additional Electrical Safety:

Disconnect tool from the power supply while the motor is being mounted, connected, or reconnected.

Lockout/Tagout:

Lockout/Tagout refers to the complete isolation of equipment during maintenance or service work. OSHA regulations 29 CFR 1910.147 and 1926.416 require the use of locks or tags as warning devices to ensure personnel are not injured from accidental machine start-ups. The BBM Block Buster Mini Masonry saw is equipped with special designed switch cover that turns the power off when closed and can be locked in the off position. The locking of the switch and disconnection the power supply will isolate the machine during maintenance, service, and when the machine is unattended.

To lockout the power switch:

1. Turn the machine off and close the switch cover.
2. Disconnect the power supply
3. Attach a small pad lock (key type) as shown in the photo to the left.
4. Lock and remove the key from the padlock.
5. Tag the machine as per local, OSHA, and your companies requirements.

