

SAFETY INSTRUCTIONS

Warning: When using electric tools always follow basic safety precautions to reduce the risk of fire, electric shock and personal injury.

1. KNOW YOUR POWER TOOL. Read this manual carefully and the drill manual associated with the drill used with this Quickpoint Drill-Mate Mortar Gun.
2. Do not put hands in hopper while tool is plugged in.
3. Do not tighten or install parts while tool is plugged in.
4. Do not use the water hose to clean tool. (see cleaning instructions)
5. In the event that tool plugs or jams, do not continue to operate tool. See trouble shooting.
6. Before operating tool, be sure nozzle Key Allen Wrench is inserted and locking nozzle in place.
7. Do not use this tool to dispense materials other than water based cementacious mortars.
8. Do not overreach. Keep proper footing and balance at all times.
9. Do not abuse power cord. Never carry tool by the drill cord.
10. Keep hands away from all moving parts. (Install cam guard before using)
11. Store idle tool. When not in use, store your tool in a dry secure place. Keep out of the reach of children.

ACCESSORIES

- 1 - Angled steel tip no. 552-A
- 1 - Wide steel tip. 552
- 1 - Narrow steel tip no. 551
- 1 - Large steel tip no. 553
- 2 - "U" blades
- 3 - Tip blade sets
- 2 - 1/4 - 28 x 1/4 Stainless steel set screws
- 1 - Extra nozzle key Allen wrench
- 1 - 16 oz. Scoop no. 554
- 1 - 8 oz. Gibco's - MRF

Tip blades can be made from 1/8" electrician's snake.

Bend with pliers and vice to contour below or send for replacement tips.

A set consists of one long, one short blade and on "U" blade.

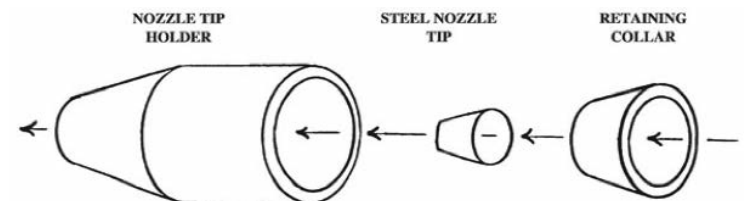
<- Insert this end in blade coupling.



Caution: Protect eyes when cutting hardened wire.



NOZZLE ASSEMBLY



1. Drop metal nozzle tip into nozzle tip holder. Then insert retaining collar as shown.
2. Slip the assembly over the front barrel of the gun. Pull the nozzle assembly firmly against the front face of the gun barrel until the metal nozzle tip is seated tightly in the nozzle holder.
3. Insert the allen wrench key into the holes at the back of the nozzle assembly. The allen key, when properly placed, will fit in the slot at the back of the second o-ring.

Note: The nozzle assembly can now be rotated for vertical or horizontal applications. When assembling, make sure all mating surfaces are clean to insure proper seating. Put lubricant such as Vaseline on o-ring area and area where Allen Key runs.

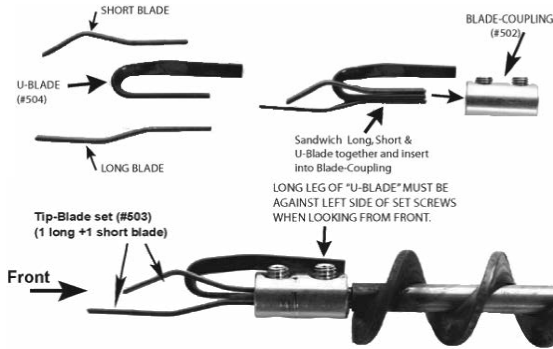


AUGER ASSEMBLY

1. Install the Blade-Coupling (#502) on to the Auger by tightening the Socket set screw on the flat of the auger shaft.
2. The short leg of the U-Blade (#504) is inserted between the Tip-Blade-Set (#503) with the short-blade above (so that the set screw tightens on this blade first) and the long blade below.

AUGER ASSEMBLY CON'T

- The Long-leg of the U-Blade must be positioned against the left side of the set-screws when looking from the front of the blade assembly.



ASSEMBLY

- Slide Auger Barrel (#701) into Hopper Body.



- Firmly seat Barrel (#701) so that the back of the Barrel protrudes out of the Hopper Body (#708) as shown.



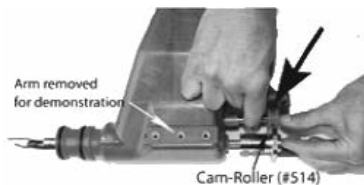
- Secure Barrel into place with two screws. (#701A)



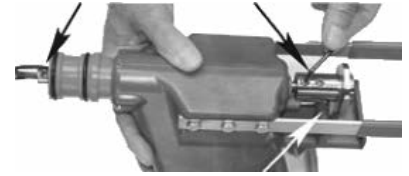
- Slide Auger-assembly into Barrel until forward set screw in Blade-Coupling (#502) is about 1/8" from the end of the Barrel.



- Position the Cam-Roller with the Cam-Coupling (#703) as shown. Push the Vibrator rod (#707) down so that the Cam-Roller will slip on to the Vibrator rod as the Cam-Coupling is pushed on to the Auger shaft.



- Align Set Screws and then tighten when the Cam-Coupling is in proper position (#703-S & 502-S). Push Auger shaft so that the Roller stop.



Cam-Coupling on to the Cam-Roller just touch-

- Put steel nozzle (#551, 552, 553, 552A) followed by Retainer collar (#751) into Nozzle-Holder (#750) then push assembly on to Barrel.



- Push Nozzle holder on until the Allen Key (#506) easily slides into locking hole.



MOUNTING A DRILL

- We recommend removing the chuck from the drill and threading the Cam-Coupling on to the drill mandrell. this makes the whole assembly shorter with much better balance. Some drills have a left threaded Reversing-Screw holding the chuck onto the drill. Open the chuck all the way. Then, looking inside the chuck to see what style of screw head is used (Allen head, Phillips, Straight, etc...) This screw is removed by turning the screw clockwise while holding the chuck from turning with the chuck key in place as in picture #1. Once the Reversing-Screw is removed, hit the back end of the Chuck-Key with a hammer as shown and the Chuck will unscrew.



- If you do not remove the Chuck from your drill simply chuck the 3/8" CAM-Stud (#704) into the chuck as shown.



- To connect the drill to the Quikpoint assembly simply put the drill in forward and screw the drill in forward and screw the drill arbor or the cam stud into the back of the Cam-Coupling.



MOUNTING A DRILL CON'T

4. Drill with chuck and male Cam-Stud.



5. Slip the Ring-Clamp (#711) over the drill and Drill Mount Arms (#710).

6. Secure Ring-Clamp in suitable place on drill. Avoid covering air vents.



7. If needed, the Drill Mount Arms (#710) can be extended back by mounting the arms as shown with two bolts.

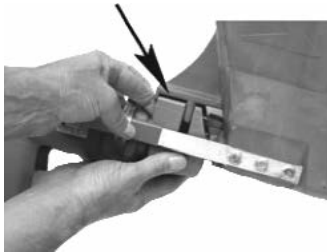
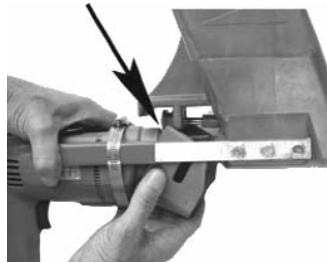


CAM GUARD INSTALLING

1. Kitty-Corner Cam-Guard (#709) into position between aluminum supports.



2. Snap right and left sides of the Cam-Guard on to plastic tongue as shown.



OPERATION

1. Be sure forward/reverse switch on the drill is in the forward position. The Quikpoint will only deliver mortar when the drill is in forward rotation.
2. Load hopper with mixed mortar.
3. Hold the Quikpoint as in figure A. The oval nozzle can be rotated for Vertical and Horizontal Joints.
4. For horizontal joints, the Quikpoint should be either

perpendicular to the wall or slightly angled away from the direction of travel. Fill vertical joints from bottom to top.

5. The Quikpoint will deliver mortar straight down, horizontally and up to a 55° angle above the horizontal. Use angled nozzle #552-A for overhead applications.

CLEANING AND MAINTENANCE

1. Do not leave mortar in gun for more than one hour.
2. To clean gun, flush with water while gun is running. Do not use water hose to clean tool. Use only a small container to direct water into the hopper without spilling. Caution: Keep water off of drill. Do not immerse tool in water if drill is attached.
3. Unplug drill. Remove nozzle and clean mortar from inside the nozzle holder and o-ring area of barrel.
4. Dried mortar in Allen set screw sockets can be cleaned easily with a 1/8" drill bit.
5. Occasionally apply a small amount of Vaseline or Petroleum Jelly to the o-ring and nozzle Key groove at front of barrel.
6. Where the Auger fits into the Blade-Coupling (#502) and the Cam-Coupling (#703) put Petroleum Jelly into the holes to keep parts from corroding.
7. Store tool in dry area.



MORTAR MIXES

The Quikpoint Mortar Gun works well with all standard U.B.C. (universal building code) mortar mixes up to 2 1/2 fine sand by volume to one part by volume of the cements plus lime used.

The strength or P.S.I. of a mix is varied by the type of cement used and the volumes of cement, lime and fine sand used. For best results, the aggregate fine (sand) should not have particles larger than 1/8."

MORTAR MIXES CON'T

1. A richer mix will work more easily through the gun.
2. If your mortar mix is plugging or the Quikpoint is laboring to put your mix out, then use Gibco's-MRF additive or a good plasterisizer.
 - A. Shake before using Gibco's-MRF pump aid additive.
 - B. Add to mixing water $\frac{1}{2}$ oz. of Gibco's-MRF to 1 gallon of water. Do not exceed 3 oz. of MRF to 5 gallons of water.
 - C. MRF is a lime substitute. If there is lime in the mix, reduce the amount of MRF to $\frac{1}{2}$ oz. per 2 gallons of water.
 - D. Do not use high speed drill mixers. MRF will slightly air entrain and may alter (lighten) color in the mortar.
- C. If problem continues, check the Tip Blades (#503) and U-Blade (#504) for wear. The Long-Blade should be flush or no more than $\frac{1}{8}$ " back from the front of the Steel-Nozzle. If wear is noted, replace worn parts. Note: The U-Blade (#504) usually does not have to be replaced until 3 or 4 sets of Tip-Blades (#503) have been replaced.
- D. If problems persist, see mortar mix information page.
3. If Nozzle-Holder does not rotate for Vertical and Horizontal action, remove Petroleum Jelly to the o-ring and Allen Key stop area of the Auger-Barrel

TROUBLESHOOTING

1. Tool is not delivering mortar out of nozzle
 - A. Make sure drill is in forward rotation. Tool will not deliver mortar in reverse.
 - B. Make sure set screws on Cam-Coupling and Blade-Coupling are tight.
 - C. Make sure the Cam-Roller is in place and that the Vibrator is working in the Hopper. The Vibrator will not work if the Roller is not on the Vibrator Rod.
 - D. Inspect auger for wear. Take the Nozzle-Holder off and look down the inside of the Barrel. If there is a gap of $\frac{1}{8}$ " or more around the Auger, then the Auger needs to be replaced. If the Auger is not worn and there is a similar gap, then the Auger-Barrel needs to be replaced.
2. The Tool Plugs
 - A. Check to see that the Nozzle-Holder, Steel Nozzle and Plastic Retainer are assembled in the correct order. the Steel Nozzle is inserted first followed by the Retainer.
 - B. If the tool plugs, remove the Nozzle-Holder. Holding Nozzle-Holder on hard surface to remove stiff mortar. Keeping hands away from Tip-Blades, run drill in forward to dislodge any obstructions in the Auger-Barrel. Clean the end of the Auger-Barrel and Nozzle-Holder assembly with water. Reinstall Nozzle-Holder and run.

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