

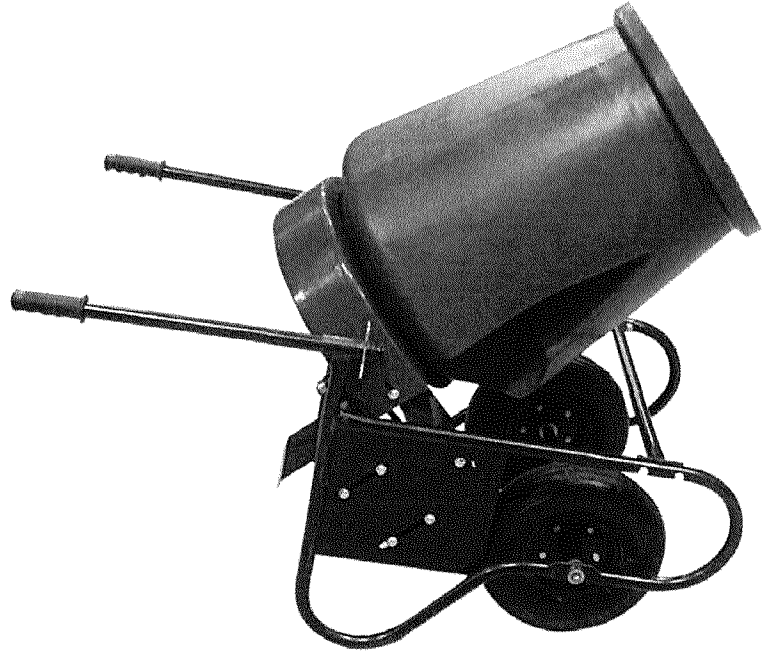
Our associates will ensure the tool works properly before you leave the store. If you experience issues with the tool while completing your project, simply bring it back to the Tool Rental Center to get a replacement. If you purchase Damage Protection at the time of your rental, you are not responsible for repair costs for tools that break due to normal use.



INSTRUCTIONS #12-238 3.5 Cu. Ft. Concrete Wheelbarrow Mixer

The Bon Wheelbarrow Mixer has been designed and manufactured to our highest quality demands for performance and durability.

The Bon Wheelbarrow Mixer has a 3.5 cu.ft. total drum and is designed for mixing up to 2 cu. ft of concrete, cement, soil fertilizer or similar materials. Inappropriate use of the machine can cause serious damage and/or bodily harm to the environment or the operator. Always operate this equipment with care and be prepared for specific requirements and work hazards that may exist at the job site.



- *Bladeless mixing drum*
- *Unique helix-shaped vortex of the molded drum*
- *Adjustable handles for easy maneuverability and storage*
- *Easy to clean*



CAUTION!

DO NOT operate this equipment until you have read and understood all the enclosed instructions.

READ ALL the sections in this manual PRIOR to attempting to service, maintain or operate this equipment.

CONTENTS OF INSTRUCTION MANUAL

Safety Precautions	page 2
Components	page 4
Assembly	page 5
Parts List	page 12
Operating Procedures	page 13
Maintenance	page 15

Read these instructions thoroughly before using the unit. Important operating procedures, safety precautions, maintenance and troubleshooting tips are contained with these instructions. Please retain these instructions as a reference for later use.

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Safety Precautions

1. READ AND UNDERSTAND OPERATOR'S MANUAL PRIOR TO USE OF CONCRETE MIXER.
2. Before operating concrete mixer, ensure that it is structurally and mechanically safe by checking the following:
 - a. Are any of the protective guards cracked or otherwise damaged?
 - b. Is the drive belt in good condition?
 - c. Are the drive gear and mixing drum gear both in alignment and centered to each other?
 - d. Is the power cord in good condition with no rips, tears, bare wire showing, or fraying?
3. Before using the concrete mixer on proposed jobsite, perform the following environmental checks:
 - a. Inspect the entire work area for unexpected hazards, such as gas and water pipes, electrical wiring or cabling, damp areas or leakages.
 - b. The mixer will not be used in an area of standing water, or that its power cord will be routed through such conditions.
 - c. Electrical power is supplied from a grounded and safe source, and that the source is of the same voltage to that specified on the machine.
4. Before using the concrete mixer on proposed jobsite, make sure that the operator is thoroughly familiar with the machine and its components (see "Machine Overview").
5. When operating the concrete mixer, follow these guidelines for operator's personal safety:
 - a. Always wear proper safety clothing and equipment for the job. These can and should include eye and ear protection, protective helmets, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements
 - b. Never wear any jewelry, neck ties, or other loose or hanging items that can be caught on any part of the machine
 - c. Tie back or remove any loose hair, clothing and any other potential hazards and obstructions
 - d. Keep all hands, loose clothing, hair, jewelry and all other personal parts and belongings away from moving parts of the machine.
 - e. The last operator may have been negligent and his possible oversight could cause you death or serious injury. Inspect machine before each use.
 - f. Always use the proper size grounded outdoor use extension cord, conforming to your local electrical codes and ordinances. **Minimum** acceptable gauge is 4 AWG.
 - g. Never place hands, other body parts of self or others, or large, solid objects into mixing drum.
 - h. NEVER fill machine beyond recommended load of 2 cu.ft of wet and dry ingredients.
 - i. NEVER allow machines to run unattended. **ALWAYS disconnect and store the machine away if operator is not available.**
 - j. The electrical motor will heat up when machine is in use. Machine **must be allowed** to cool before touching it or attempting to perform any maintenance!
6. For the safety of others and that of the operator, observe the following precautions:
 - a. Keep observers and bystanders away from the concrete mixer and its immediate working environment while the machine is in use.
 - b. **Stop** operations or if anyone or anything (i.e.: humans, animals, debris etc.) approaches from any direction while the machine is in operation.
 - c. **Stop** work and turn off the concrete mixer if any debris may have fallen into contact with the gears or drive belt that could jam the machine or cause it to labour unnecessarily. Inspect the concrete mixer and surrounding environment for any possible causes.
 - d. If the machine is jammed, turn the unit off and **disconnect** the concrete mixer from its power source **before** attempting to clear any jams in the unit.
 - e. Stop all work, turn off concrete mixer, and ensure that motor is turned off and cooled before performing any diagnostics or repairs.
 - f. ROTATING CONCRETE MIXER GEARS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT PLACE HAND ON GEARS FOR ANY REASON UNTIL MACHINE HAS COME TO A FULL STOP

Safety Precautions (continued)

AND HAS BEEN DISCONNECTED FROM ITS POWER SOURCE. DO NOT ATTEMPT TO PERFORM ANY REPAIRS, SERVICE, OR DIAGNOSTICS OR TO TRANSPORT OR MOVE THE UNIT UNTIL MACHINE HAS COME TO A FULL STOP AND HAS BEEN DISCONNECTED FROM ITS POWER SOURCE. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH.

g. ***Never leave machine unattended***

h. ***DO NOT***, under any circumstances, operate machine if any of the following conditions are applicable:

- i. Any impairment (i.e.: medical conditions, medicinal side-effects, alcohol, drugs etc.) of the operator.
- ii. The operator has not read or understood the operator's manual for this machine.
- iii. The operator does not clearly understand the operations of the machine.
- iv. The machine is in need of repair
- v. The operator is inappropriately attired to operate the machine.

Pre-Operation Procedures

Before using the Bon Tool Concrete Wheelbarrow Mixer, please perform the following procedures for the personal and property safety of the operator and jobsite and for optimal performance.

Before operating the concrete mixer ensure that it is structurally and mechanically safe by checking the following:

- a. Perform a detailed visual inspection on the machine with particular attention to the following:
 - i. Are there any loose, worn or damaged parts and decals? If so, **DO NOT ATTEMPT TO OPERATE THE MACHINE**. Make note of required parts, including decals, and contact Toolway Industries for replacement parts and further assistance to service the unit **PRIOR** to any further use.
 - ii. Is the machine, particularly the drive gear and mixing drum gear, clean and free of debris? Small rocks and other foreign objects can jam machine and cause the unit to malfunction, leading to serious injury to the operator and property damage on the jobsite.
 - iii. Are there any cracks or damage on the drum and motor? **DO NOT ATTEMPT TO OPERATE THE MACHINE** until it is refurbished to engine factory standards.
- b. Before operating the concrete mixer, perform the following environmental checks:
 - i. Are there any standing pools of water or other conductive liquids and materials that can interfere with the safe operation of the machine at the jobsite?
 - ii. Is there a reliable source of grounded electricity?
 - iii. If using an extension cord, is it in good condition and conforming to local safety codes? Extension cords must be a 3-pole cord with a 3-pole plug and socket, rated for outdoor use.

Our recommendation is as follows:

1. Up to 100' ft. = 14 AWG
2. Up to 200' ft. = 12 AWG
3. Up to 300' ft. = 10 AWG
4. Up to 400' ft. = 8 AWG



If any of the above checks fail, please take necessary steps to maintain or repair the unit before operating it in any environment.

Operation Procedures

Preparing to Mix

1. Ensure that the concrete mixer is completely turned off prior to adjusting or relocating the unit.
2. Verify that electrical power is supplied from a grounded and safe source, and that the source is of the same voltage to that specified on the machine.
3. If using an extension cord, connect it to the mixer, then plug the other end into the grounded receptacle.
4. Verify that handles are fully extended to working position.



Fig.41: Correct placement of handles for WORKING position.



Fig.42: Incorrect placement of handles for WORKING position.



NEVER OPERATE MIXER WITH HANDLES IN TRAVEL/ STORAGE POSITION.
Handles will block drum from spinning freely, leading to possible machine damage and severe bodily harm.

5. Start machine. Observe for any unusual wobbling, vibrations, or other signs that indicate poor assembly, maintenance, or debris jammed in the gears. Stop machine immediately if any such signs are exhibited.

Operation Procedures continued

Loading the Mixer

The Bon Tool Concrete Wheelbarrow Mixer is designed to mix 2 cu.ft of concrete or mortar. **NEVER** exceed this recommended Our suggested mixing instructions are as follows.

ALWAYS VERIFY WITH YOUR PRE-MIX MANUFACTURER'S INSTRUCTIONS PRIOR TO STARTING. THE INSTRUCTIONS FROM YOUR PRE-MIX MANUFACTURER WILL SUPERCEDE ANY OF OUR RECOMMENDATIONS BELOW.

1. Mixing Mortar

a. You will need:

- i. 2 gallons of water (+ ½ gallon for finish)
- ii. 2 x 80 lb bags pre-mix cement

b. Pour in 2 gallons of water into mixing drum.

c. Slowly add in one bag of pre-mix cement, and allow mixer to slowly fold in mixture.

NOTE: Mixture will be very sloppy.

d. Once the mixture is well mixed, **SLOWLY** add in remaining bag of pre-mix. Allow machine to thoroughly mix the mixture.

e. Add remaining water to adjust concrete to desired consistency.

2. Mixing Concrete

a. You will need:

- i. 2 gallons of water (+ ½ gallon for finish)
- ii. Gravel or small round stones
- iii. Portland cement
- iv. Masonry sand

b. Pour in 2 gallons of water into mixing drum.

c. Using a 8.5" x 12" square point shovel, add 6 shovels full of gravel or round stones.

d. Using the same shovel, add in 2 shovels full of Portland cement.

e. Slowly add in 4 shovels full of masonry sand.

NOTE: Your mixture's consistency will vary according to the moisture content in the sand and gravel used.

*Allow each ingredi-
ent to be well-folded
into the mixture before
adding the next for
smoother and better
combined mixture, as
well as less stress on
the mixer.*



For optimum mixer performance and results, **DO NOT EXCEED RECOMMENDED VOLUMES.**

C. Unloading the Mixer

When mixture reaches desired consistency, lift mixer using the handles and pour mixture out as required.

NEVER ALLOW MIXTURE TO HARDEN. ADD WATER AS REQUIRED TO MAINTAIN MOISTURE LEVEL.

DO NOT STOP MIXER FROM ROTATING AS MIXTURE MAY SIT AND HARDEN.



DO NOT USE ANY TOOLS, SUCH AS SLEDHAMMERS, TO FORCIBLY KNOCK OUT HARDENED MIXTURE. THE MIXING DRUM CAN BE DAMAGED, AND THE ALIGNMENT BETWEEN THE DRIVE GEAR AND MIXING DRUM GEAR MAY REQUIRE READJUSTMENT PRIOR TO FURTHER USE.

Operation Procedures continued

Cleaning the Mixer

1. After each batch of concrete has been used, spray water into the rotating drum, allowing the water to rinse out any concrete or mortar.
2. Add one shovel full of coarse sand into drum to scour drum and remove any remaining mixture.
3. Empty mixer of the sand, water and any remaining debris. Repeat if necessary.
4. Ensure that the drum is completely clean BEFORE mixing the next batch of concrete or mortar. A clean drum is essential to obtain the best mixing results.
5. Shut down mixer and disconnect from power source.

Storing the Mixer

1. Ensure that the area in which the machine will be stored is well-ventilated and free of any potential fire hazards such as open flames, gas appliances, furnaces, water heaters, and other appliances.
2. Clean and lubricate machine prior to storage.
3. Touch-up any scratches or damaged area exposing metal to the elements.
4. Order and re-apply any safety labels. Refer to "Information on Safety Decals" in "Parts Breakdown Section" of the manual for placement and parts numbers.
5. Store unit in storage position in a covered or indoor storage area for increased protection and longevity.

Maintenance Procedures

The following are general guidelines for servicing common wear components on the Bon #12-238 Concrete Mixer. **ALL MAINTENANCE AND SERVICE WORK MUST BE PERFORMED BY A TRAINED AND EXPERIENCED TECHNICIAN.** Ensure that the work area is clean and free of debris prior to starting any maintenance or service work. Small particles may become trapped in key components that may lead to serious damage to the machine and cause severe bodily harm to the operator or technician.



All service should be performed by trained technicians.

Before performing any service and maintenance procedures, consult these general safety procedures for a safe working environment.

1. Make sure that the motor is cool prior to any service or maintenance work.
2. Verify that work area is clean and free of any debris, tripping or fire hazards, and other potential sources of danger.
3. Always wear proper safety clothing and equipment for the job. These can and should include eye and ear protection, protective helmets, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements
4. Ensure that the technician has tied back or remove any loose hair, clothing and any other potential hazards and obstructions
5. Block the wheels.