

AMERITOOOL 4" TRIM SAW

BEFORE PLUGGING IN, PLEASE READ INSTRUCTIONS THOROUGHLY.

The machine is potentially dangerous if improperly used. Please be sure to operate according to instructions and with the proper guards where applicable.

CAUTION

1. Never operate the saw without goggles or other safety eye equipment. Be sure that anyone who is observing nearby has adequate eye protection.
2. NEVER try and change the direction of a cut in progress. The Trim Saw is designed to make straight cuts only. Ignoring this or attempting to turn corners will result in damage to the diamond blade and possible personal injury.
3. Always unplug machine when doing maintenance or when not in use.
4. Never use the blade dry - it is designed for use in oil or water only and will be ruined immediately if used dry.

OPERATION INSTRUCTIONS

1. Carefully unpack the saw from the box, thoroughly checking all packing material to make certain no accessories or small parts are discarded. Inspect the machine to make sure that no damage has been incurred in shipping. Should the machine arrive in a damaged condition and damage to the carton indicates it occurred in transit, IMMEDIATELY contact the delivering carrier or shipping company and fill out any necessary forms for reimbursement. Although our quality control inspection makes it highly unlikely, should there be any missing parts or defects in material or workmanship, contact Ameritool Inc. for repair or replacement.
2. Remove the black saw table by lifting it up in front, pulling toward you.
3. Use pliers to loosen the bolt on the end of the arbor, turning in a counter clockwise direction. Remove bolt and flared washer. Place blade on the end of the arbor, making sure that it fits on lip. Replace flared washer and bolt, screwing clockwise to secure blade. Do not over tighten - bolt should be just a little more than finger tight.
4. The Ameritool Trim Saw is designed to be operated with oil or water; water is cleaner and easier to use. **NEVER operate the saw dry, as this will ruin the blade within seconds.** Take a large glass of water and pour into the sump until water just touches the bottom of the blade. Replace the black saw table and adjust blade guard.
5. Put on your safety goggles; turn on the power switch. Pour additional water over the blade until there is a fine mist and a small amount of splash around the blade. **CAUTION:** Do not over fill sump, as it will splash everywhere.
6. Some blades require "dressing". This means that the protective matrix around the diamond must be removed before the blade can cut effectively. Read the directions that come with the blade to see if this step is necessary. If so, use a dressing stick and lay it on the table in front of the blade; cut into the stick a few times. This removed the protective coating from the blade. Now it is ready for use.

7. Place the material to be cut on the saw table and line it up properly with the diamond blade. Slide the material lightly into the blade until a groove forms; then firmly push the material slowly through the blade. Remember, the saw will only cut in a straight line. Do not attempt to cut curves. The diamond blade works best when material is pushed firmly against it. However, NEVER force a diamond blade.
8. Material to be cut should never be more than 2/3 the size of the visible cutting area of the blade. Do not attempt to cut soft material such as wood with a diamond blade; do not cut any material with hardness less than a common building brick. The diamond saw blade will actually cut hard materials much easier than soft materials as soft materials tend to clog up the microscopic diamond particles.
9. When working with several pieces of material, be sure to replenish the water as needed to prevent cutting dry.
10. As you near the end of the cut, reduce pressure on the material. This will avoid a sudden "break-through" and give a cleaner cut.
11. When work is completed, turn off switch and unplug Trim Saw. Drain water from sump, drying machine and blade with paper towels or an old cloth. Briefly turn on Trim Saw to spin dry the blade thoroughly.

MAINTENANCE

- Be sure to dry saw and blade after each use to prevent rust to the blade.
- If the saw is stored with water in the sump, (not recommended!) be sure to lower the water level so that it is below the blade. Otherwise, the blade will rust.
- The saw arbor and the shaft it fits on are made from different materials; and over time they can galvanize together making it impossible to remove the arbor. Every 2 months or so, remove the arbor using the allen wrench, turning counter clockwise. Place a few drops of oil on the shaft, rubbing to coat the shaft lightly. Then replace the arbor using the allen wrench to tighten.
- **Important: Take care not to get any oil or water down the shaft and into the motor, as this will cause the motor to burn out.**
- Do not pour the used water down the drain as it can harden like cement, closing up the drain.

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