

*Eastwood*

DO THE JOB RIGHT.

Part #13739

# 1/2" PNEUMATIC REVERSIBLE DRILL INSTRUCTIONS



Your **Eastwood 1/2" Reversible Pneumatic Drill** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. It features a large-capacity 1/2", non-slip, keyed chuck for quick, convenient and secure drill bit changes. A high-torque, ball bearing motor with hardened reduction gears provide smooth operation and long life. Fully reversible with an infinitely progressive throttled trigger control.

## WARNINGS

- **Do not exceed 90 psi [6.3 bar]** of tool inlet air pressure. Permanent tool damage and/or personal injury could occur.
- Do not force tool or exert side forces on drill bit while drilling as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Drill bits can also break with excessive side force causing them to shatter and eject sharp pieces at high velocity.
- Wear approved eye gear at all times when operating the tool for protection from possible ejected metal chips from drilling.
- Keep loose clothing, jewelry and long hair away from rotating components as serious personal injury can occur.
- Always disconnect tool from air supply when changing wheels to prevent accidental tool starting and potential injury.
- Always make sure the workpiece being drilled is securely clamped or anchored to allow two handed operation of the drill.

## SPECIFICATIONS

- Drill Chuck: 1/2" [13mm] capacity, keyed type.
- RPM: 550 free speed.
- Air Consumption: 4 cfm [114 l/m].
- Inlet thread size: 1/4" FNPT.
- Reversible, variable speed, 4 vane, ball bearing air motor.

## INCLUDES

- 1/2" Reversible Drill
- Chuck Key

## SET-UP & CONNECTION

- Be sure that the air supply to the drill is clean and dry. Moisture in the supply line will quickly damage the motor and valves.
- A minimum 3/8" I.D. air line should be used for optimal performance.

## OPERATION

- Disconnect air supply from the drill to prevent accidental starting and potential injury while placing a drill bit or arbor in the chuck.
- The 1/2" large-capacity chuck opens by turning the larger diameter "gear-toothed" section in a counter-clockwise direction (when viewed from the open end) while gripping the base section of the chuck.
- Place the desired drill bit or arbor into the opened chuck then rotate it in a clockwise direction to close the chuck jaw teeth (when viewed from the open end) to tighten the 3 jaws around the bit or arbor.
- Using the supplied chuck key, insert the protruding pilot of the key into one of the three holes on the smaller diameter of the chuck until the "gear-teeth" engage, then turn in a clockwise rotation to securely tighten the chuck. **NEVER** attempt to tighten the chuck while the drill is rotating under power. **ALWAYS remove** the chuck key from the chuck before starting drill. Serious injury can result.
- Make sure the forward reverse lever is in the correct position; ("F" or up for forward and "R" or downward for reverse) and depress trigger to begin drill action. Speed is regulated by pressure applied to trigger.

## MAINTENANCE

- Add several drops of air tool oil before each use directly into the air inlet.
- If tool is to be unused for an extended period, add 10 drops of air tool oil directly into the air inlet, rotate the drill motor by hand several times to distribute the oil throughout the motor and gearbox then store the drill handle up.
- With the air supply disconnected, open chuck jaws fully and using a #2 phillips screw driver, periodically check that the chuck retaining screw is tight. **NOTE:** This screw is left-hand threaded, turn counter-clockwise to tighten.

# TROUBLESHOOTING

- Drill doesn't respond to trigger depression:
  - Verify sufficient air supply to drill.
  - Check for moisture in air line and drill inlet.
- Drill performance is slow or sluggish:
  - Verify sufficient air supply to drill.
  - Check for moisture in air line and drill inlet.
- Drill vibrates excessively during use:
  - Stop use immediately and check for bent drill bit or arbor.
  - Check for loose chuck retaining screw. (See maintenance section above for tightening procedure).
- Drill emits excessive noise during use:
  - Stop use immediately and add air tool oil directly to air inlet.

# AVAILABLE ITEMS

- 12089 - Drill Bit Index
- 43656 - Step Drill Bits
- Spot Weld Cutters

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department:  
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