

Eastwood[®]

DO THE JOB RIGHT.[®]

Part #21145

CONTOUR[®] SCT[™] SURFACE CONDITIONING TOOL INSTRUCTIONS



The **EASTWOOD CONTOUR SCT** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. Ready for surface conditioning or any paint or rust stripping project, it features a drum guard enclosure and a rigidly mounted "D" handle for maximum safety. A high-torque, ball bearing supported motor and hardened spur gears provide smooth operation and long life. Speed is easily controlled via a 6 position rotary knob and ON/OFF trigger control.

SPECIFICATIONS

| | |
|-----------------|----------------------|
| Input Voltage: | 120 VAC, 60 Hz |
| Input Amperage: | 9A, double insulated |
| Drum Diameter: | 4" |
| Plug type: | 2-prong, polarized |
| Cord length: | 7'- 6" |
| Certification: | ETL |
| Speed Control: | 6-position |
| RPM Range: | 1000-3700 |

INCLUDES

- (1) Contour SCT with installed 4" x 4", 120 grit, non-woven nylon drum
- (1) Hex Key Wrench (8 mm)
- (1) Hex Key Wrench (6 mm)
- (1) "D" Handle
- (2) Handle Screws
- (2) Spare Motor Brushes

IMPORTANT SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

GENERAL SAFETY RULES

WARNING

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA SAFETY

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

NOTE: Use a minimum 14 gauge insulated cord, no longer than 25' in length.

3) PERSONAL SAFETY

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

- a)** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b)** Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c)** Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d)** Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e)** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f)** Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g)** Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

5) SERVICE

- a)** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY INFORMATION

WARNING HEALTH AND INJURY HAZARDS!



- Dust and fine particulate matter is generated during the sanding/grinding process which can contain toxic substances such as lead, silica, solvents and others. Breathing this dust and fine particulate matter can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this tool.
- This tool will eject particles, dust and sparks at high velocity during operation. Wear approved eye and skin protection at all times while operating.
- Sanding and grinding can generate excessive noise. Wear appropriate hearing protection while using.
- The rotating drum of this tool can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away from operating tool.
- Always unplug the tool from the electrical supply before changing drums.
- Rotating abrasive drums can quickly remove flesh. Keep hands and fingers away from rotating components and always wear protective work gloves while sanding/cleaning.
- This tool can quickly and violently kick back or twist while operating causing severe hand and or wrist injury. Do not apply excessive force to tool while in use. Use only on broad, open spaces using care to avoid edges and corners. If smaller objects are being sanded, be sure they are securely mounted or anchored before beginning.
- Incorrectly rated drums can disintegrate at high RPM causing serious personal injury. Always use replacement drums rated for 3700 RPM operation or greater.
- Damaged drums can disintegrate at high speed causing personal injury or property damage. If excessive vibration is felt, discontinue use immediately and disconnect tool from electrical supply. Inspect drum and tool for damage. Do not resume use until resolution is found.
- This tool will eject a trail of sparks at high speed which can ignite flammable materials or injure others nearby. Do not operate in the vicinity of flammable materials and keep all persons and pets away from the work area.
- Always make sure the workpiece being buffed/cleaned/sanded is securely clamped or anchored to allow two handed operation of the tool.

ASSEMBLY

⚠ WARNING

Unplug unit before assembly.

1. Place "D" Handle with curves facing forward and with ends over recessed areas of tool body.
2. Insert 2 Socket Head Cap Screws through the holes in "D" Handle and into threaded holes in tool body. Tighten screws securely.

FIG. 1



OPERATION

1. Set desired motor speed by rotating the Speed Knob located on the top surface of the Motor Housing. To the left = Low (1), to the right = High (6) (FIG 1).
2. While holding the Contour SCT securely in two hands, depress the On-Off switch with forefinger (FIG 1). **IMPORTANT NOTE:** The built-in Soft-Start feature will cause a slight delay in motor starting and gradually increase in speed. This feature is designed to eliminate the possibility of the tool "pulling" at startup
3. For extended use, lock the On-Off switch in the ON position. To lock the On-Off switch in the ON position, depress the On-Off switch fully then push in the Lock Button located above the Switch on the left side of the Handle. To release lock, depress the On-Off switch (FIG 1).
4. Keep the broad work surface of the Drum parallel to the work surface whenever possible to minimize uneven wear and maximize usable life.
5. Always use two hands while operating tool, do not force but allow the rotational speed of the drum to do the work.
6. Be sure that the workpiece is clamped down or held securely to always allow two hands to operate tool. **NOTE:** Only use a speed fast enough to remove coatings and keep wheel turning. Too fast will heat the metal.

DRUM REPLACEMENT

⚠ WARNING

Unplug unit before replacing drum.

REMOVAL

1. Unplug Contour SCT from power supply before beginning.
2. Depress the Drive Lock Button on the left side of the gearcase (**FIG 2**).
3. Place the included 8mm Hex Key Wrench into the Socket Head Cap Screw on the right side of the Drive Armature (**FIG 3**).

IMPORTANT NOTE: This is a *left hand thread*, rotate in a *Clockwise* direction to loosen.

4. Pull the Drum outward to remove from the Drive Armature.

NOTE: A gentle pry with a screwdriver may be required to release the Drum.

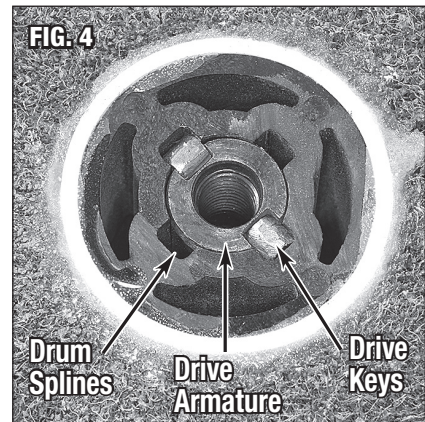
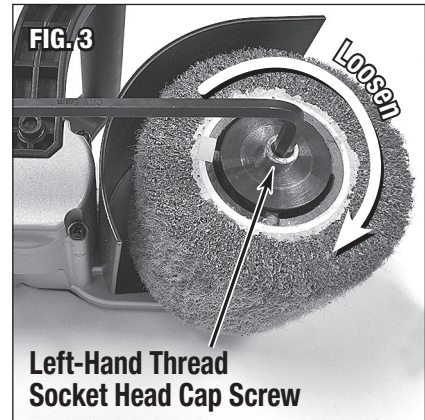
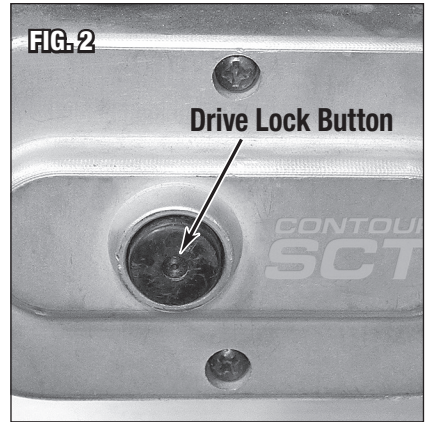
INSTALLATION

1. Align 2 of the 4 internal splines of the Drum with the 2 Keys of the Drive Armature and slide it on. **NOTE:** The face of the Drum should be flush with the outer end of the Drive Armature when fully seated (**FIG 4**).
2. Replace the M8 Socket Head Cap Screw and Washer by threading into the right side of the Drive Armature.

IMPORTANT NOTE: This is a *left hand thread*, rotate in a *Counter-clockwise* direction to tighten.

⚠ WARNING

Never operate unit with Drum removed. Severe injury could occur.



MAINTENANCE

⚠ WARNING

Unplug unit before performing maintenance.

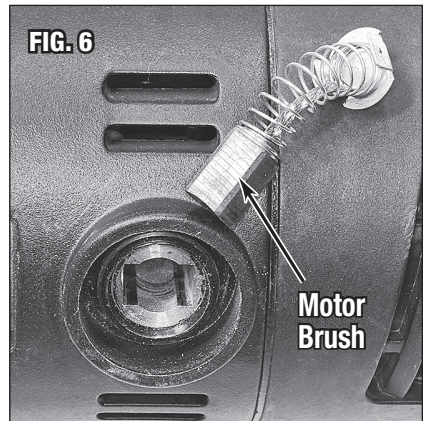
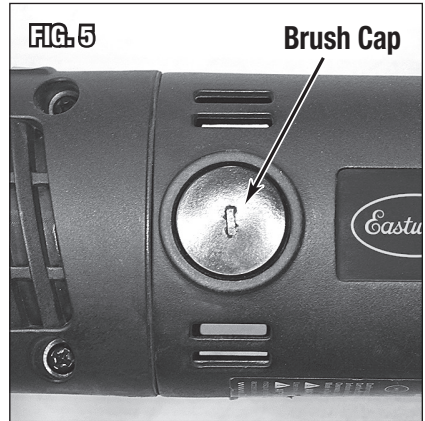
IMPORTANT NOTE: The following maintenance should be performed before each use:

- Check tightness of all hardware.
- Check operation and alignment of guard.
- Inspect Drum cores for cracks, damage or premature wear.
- Clean dirt and debris from motor air cooling slots.

BRUSH REPLACEMENT

NOTE: If motor fails to start as trigger is depressed after extensive use, the Motor Brushes likely need to be replaced.

1. Unplug Contour SCT from power supply.
2. Remove the Brush Caps (one each side) with a small screw driver (**FIG 5**).
3. Pull Brush from socket (**FIG 6**).
4. Inspect Brush. **NOTE:** Brushes are considered worn if less than 1/8" of carbon is remaining).
5. Replace with new brush. **NOTE:** The carbon contact goes in first and is keyed to the rectangular socket.
6. Replace Brush Caps and tighten.



TROUBLESHOOTING

| PROBLEM | CAUSE | CORRECTION |
|--|---|--|
| Does Not Run When Switch is Turned On | No Power | Check 120 VAC input plug connection. |
| | Tripped Circuit Breaker | The Contour SCT operates on a 15 Amp minimum circuit, 20 Amp is strongly recommended. |
| Motor Runs Too Slowly/ Develops Low Power | Undersized and/or too long of an extension cord used. | Use only 16 Gauge or larger cord and limit length to 25'. |
| Excessive Noise and Vibration | Drum is Likely Damaged | WARNING: This is an extremely unsafe condition! Discontinue use and replace Drum! |
| Motor Overheats | Excessive Pressure Being Applied | Allow Contour SCT to cut by rotation alone. Do not force. |
| | Dirt and Cutting Debris Buildup in Motor Cooling Air Slots. | Use a brush or compressed air to remove debris |

ADDITIONAL ITEMS

- #21146 Expanding Sanding Drum
- #21152 Sanding Band, 80 Grit
- #21155 Sanding Band, 120 Grit
- #21156 Sanding Band, 240 Grit
- #21158 Finishing Drum, Medium
- #21159 Stripping Drum, Coarse

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/21145manual

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

US and Canada: 800.345.1178 Outside US: 610.718.8335

Fax: 610.323.6268 eastwood.com