Eastwood®

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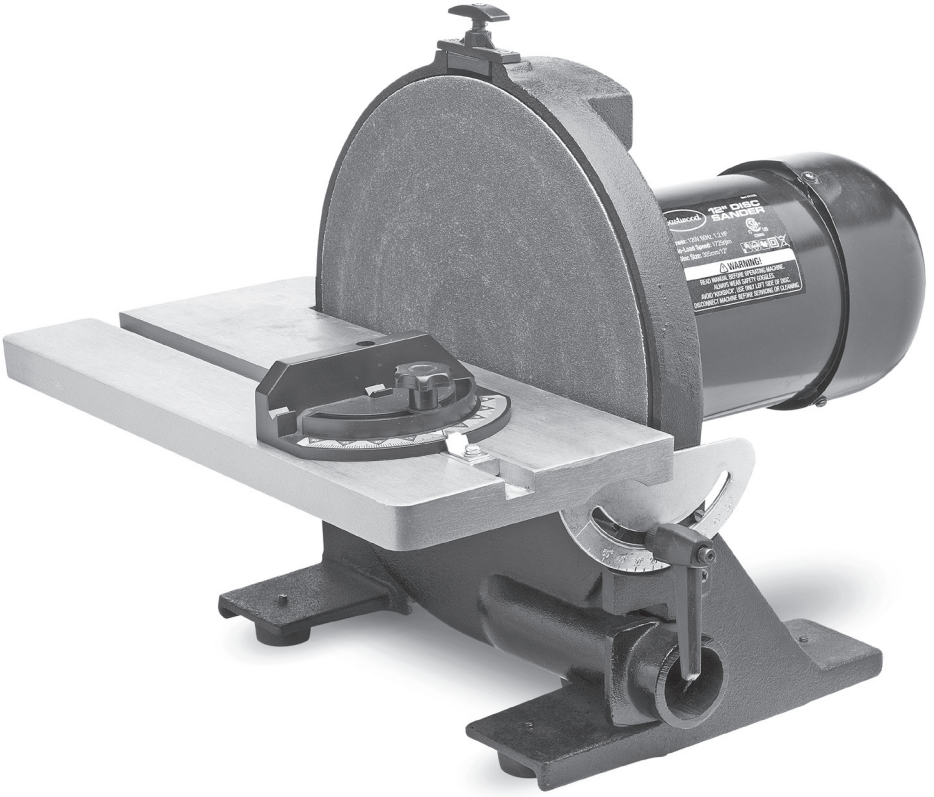
Part #21535

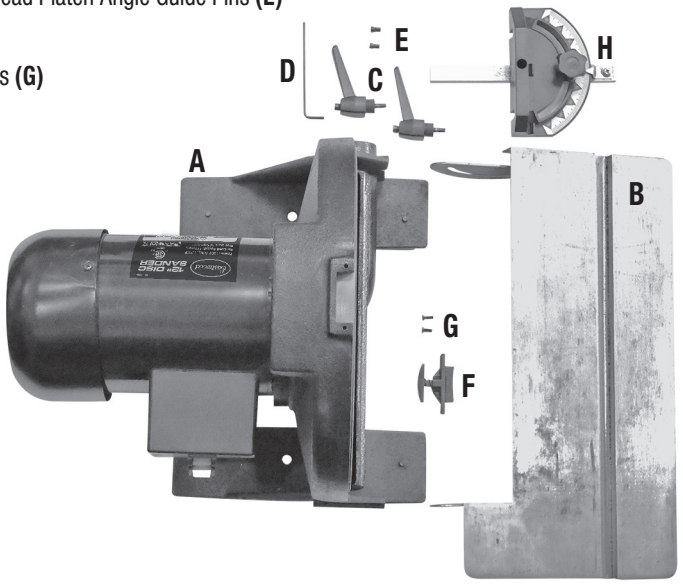
12" DISC SANDER
INSTRUCTIONS



Your **EASTWOOD 12" DISC SANDER** was designed with a powerful 8-amp motor and a large, 12" diameter Backing Disc. It features quick-release, angle adjustable Platen Table clamps with a precise angle-adjustable, Miter Fence adjustment. Easy access Backing Disc surface to allow quick Abrasive Disc changes.

INCLUDES

(1) Sander Assembly with Motor and Backing Disc **(A)**
(1) Platen Table **(B)**
(2) Indexable Platen Table Clamps **(C)**
(1) 3mm Hex Key **(D)**
(2) Threaded, Slotted Head Platen Angle Guide Pins **(E)**
(1) Plunger Brake **(F)**
(2) Phillips Head Screws **(G)**
(1) Miter Fence **(H)**



TOOLS REQUIRED (not included)

- Phillips Screw Driver
- Straight Blade Screw Driver
- Square

SPECIFICATIONS

120 VAC, 8 Amp, 1.2 HP motor
Free Speed = 1750 RPM
12" Sanding Disc
6' [1.8 m] long, 14 Gauge, 3 conductor grounded power cord

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) 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.

2) 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.

3) 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.

ADDITIONAL SAFETY INFORMATION






⚠ WARNING HEALTH AND INJURY HAZARDS!

- Dust and fine particles are generated while sanding or grinding which can contain hazardous or toxic substances. Breathing this dust can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Sander.
- This Sander will eject particles, dust and sparks at high velocity during operation. Wear approved eye and skin protection at all times while operating.
- Sanding or grinding with this Sander can generate excessive noise. Wear appropriate hearing protection while using.
- The rotating Disc of this Sander can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away from operating Sander.
- This Sander can quickly start up when handling while plugged in to electrical supply causing serious personal injury. Always unplug the tool from the electrical supply before changing Sandpaper, making adjustments to the tool or performing maintenance.
- Sharp metal edges can cut. Always wear protective work gloves while handling.
- Rotating abrasive surface can quickly remove flesh. Keep hands and fingers away from rotating disc.
- This Sander can quickly and violently propel workpiece objects while operating causing injury and or property damage. Do not apply excessive force to Sander while in use. Always make sure the workpiece or material being cut is held securely and work is done only on the left side of the Disk.
- If excessive vibration is felt, discontinue use immediately and disconnect tool from electrical supply. Inspect abrasive Platen or components for damage. Do not resume use until resolution is found.

⚠ CAUTION

- This Sander 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.

ASSEMBLY

PLATEN TABLE [B] TO SANDER HOUSING [A]

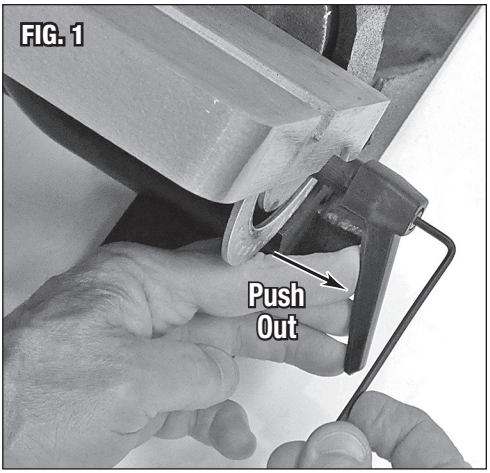
- Attach the Platen Table **[B]** to the Sander Housing with the Indexable Platen Table Clamps **[C] (Fig 1)**.
- Start threads, pull handle back against spring pressure and use the 3mm Hex Key **[D]** to tighten **(FIG 1)**.

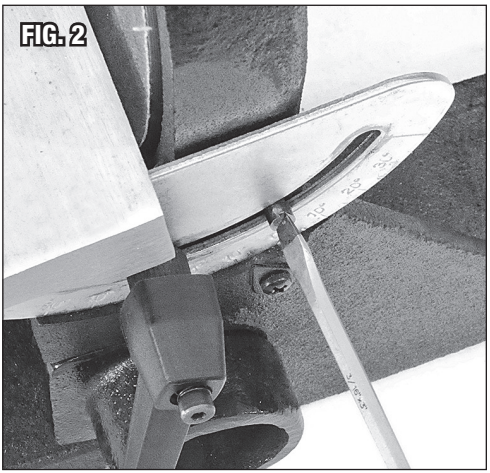
INSTALL GUIDE PINS [E] TO SANDER HOUSING [A]

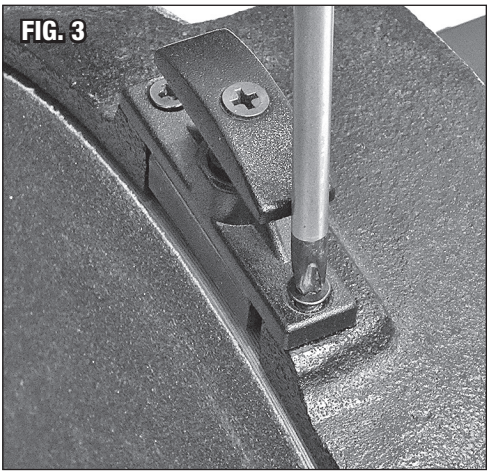
- Locate the Guide Pins **[E]** in the slots of the Platen Table Angle Brackets and thread into place **(Fig 2)**.

INSTALL PLUNGER BRAKE [F] TO SANDER HOUSING [A]

- Locate the Plunger Brake **[F]** in the recess at the top of Housing casting and thread into place with 2 Phillips Head Screws **[G] (Fig 3)**.





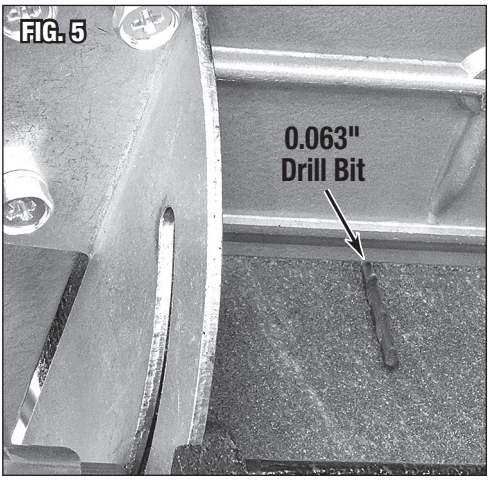


ADJUSTMENT

⚠ WARNING
Unplug Sander before making adjustments.

PLATEN TABLE DISTANCE TO SANDING DISK DISTANCE

- The proper gap between the Platen Table and the Sanding Disk surface is factory set at 0.063" [1.6mm]. If adjustment is required, loosen the six Phillips Head bolts at the underside of the Platen Table and move in or out as required **(FIG 4)**.
- Use an 0.063" [1.6mm] Drill bit (not included) as a gauge **(FIG 5)**.

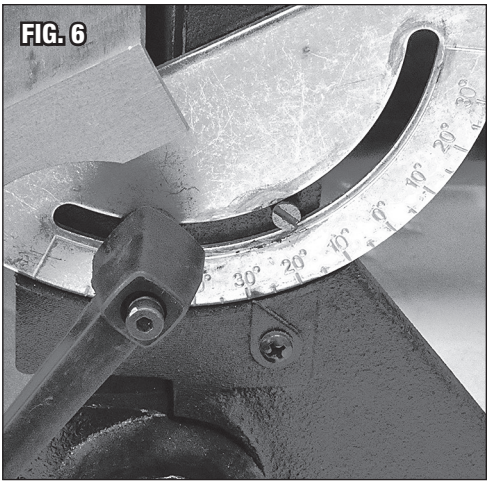


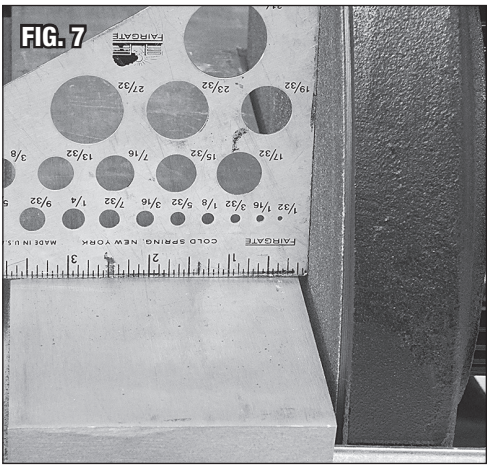
SET UP FOR USE:

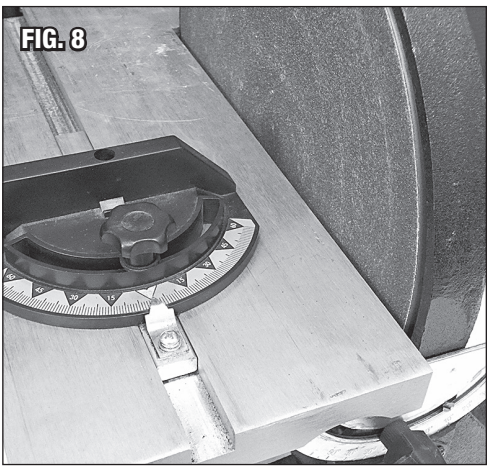
- Place the Sander on a clean, dust and grit free surface. The rubber feet of the cast iron Sander Housing are designed to assist with stability during normal operation, however it is strongly recommended that the machine be placed on a surface, away from any combustible materials due to the high-velocity ejection of sparks and high vibration levels while cutting. If machine is to be operated on a bench, it should be placed securely to prevent any chance of it working its way to the edge and falling. Bolting in place or the use of C-Clamps is highly recommended.
- Keep power cord away from Sanding Disk. The unit is equipped with a 6' [1.8 m] long, grounded, 14 ga. power cord. Plug into a properly grounded, 20 Amp outlet. If an extension cord is required, use 14 ga. or heavier. Do not exceed 25'.
- DO NOT OVERLOAD. Sander is designed to operate with minimal pressure against Sanding Disc. Attempts to quickly sand or grind material with excessive pressure can result in serious personal injury, death and or serious damage to the saw.
- Secure work pieces by using the Miter Fence to prevent movement while sanding.
- The Sander Housing features a 2" O.D. outlet port suitable for connection to a an industrial vacuum cleaner (not Included).

OPERATION

- Adjust the Platen Table to the desired angle of the sanding or grinding project **(FIG 6).**
- Always verify with a square for 90° or protractor for other angles **(FIG 7)**.
- Using the Miter Fence, secure the workpiece and, if desired, adjust the angle of the sanding or grinding project **(FIG 8)**.
- Plug the Power Cord into the nearest 120 V~, grounded, 20 Amp electrical outlet. Be sure the power cord is away from and out from under the Grinding Disk.







⚠ WARNING

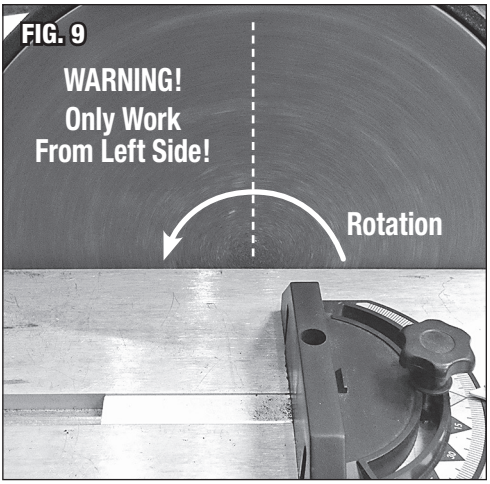
The Disk rotates in a Counter-Clockwise direction when viewed from the front. Always sand or grind using only the LEFT SIDE of the Disk (FIG 9). Working from the right side can cause objects to be suddenly and violently ejected outward causing severe personal injury and or property damage.

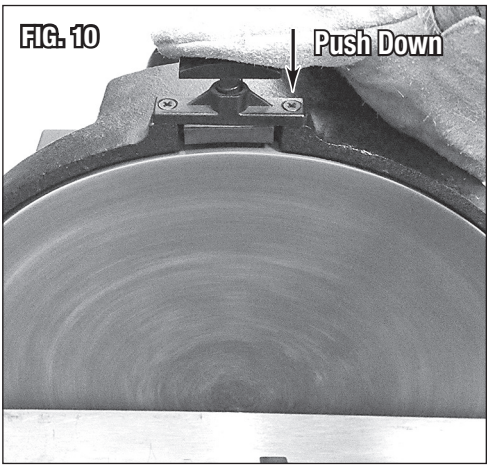
- Be sure the Yellow Safety Key is installed in the end of the Rocker Switch and move the Switch to the up "ON" position to run the Sander motor. Allow the Blade to reach full operating speed.
- Slowly feed the material into the **LEFT SIDE** of the Disk letting the Sanding Disk do the sanding or grinding. DO NOT apply excessive force or serious personal injury, death and or serious damage to the Sander can occur.

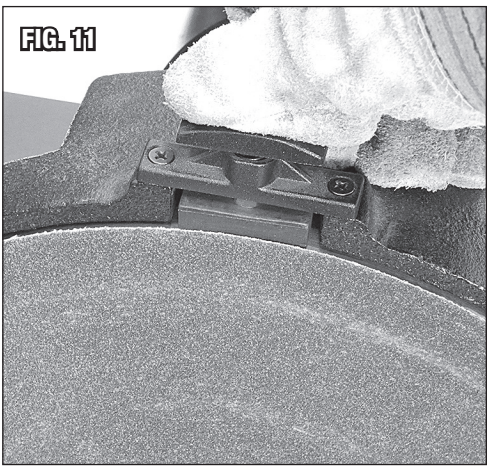
⚠ CAUTION

Keep your body and any objects out of the path of the sparks which will be ejected at high velocity form the face of the Sander!

- The Plunger Brake is intended to stop the rotating Disc immediately. To do so, push down firmly on the spring-loaded plunger to engage the Brake **(FIGS 10 & 11)**.







ABRASIVE DISK REPLACEMENT

- Unplug the Sander.
- Peel the worn Abrasive Disk away from the face of the Backing Disk.
- Peel backing paper from the replacement Abrasive Disk then carefully align the outer edge of the replacement Disk with the edge of the Backing Disk.

> **⚠ NOTICE**
> **The replacement Abrasive Disk must be centered on the Backing Disk or an unbalanced condition and an unsafe condition may result.**

- Press the replacement Abrasive Disk firmly in place making sure all adhesive is fully contacting the Backing Disk.

STORAGE

- Unplug from power source.
- Wrap cord securely around Sander.
- Transport by using the built-in carry handle at the top of the motor housing.
- Store in a clean, dry, dampness free area preferably covered with plastic sheeting.

MAINTENANCE

> **⚠ WARNING**
> **Unplug Sander from electrical supply before performing maintenance or making adjustments.**

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

- Check tightness of all hardware.
- Check operation and alignment of Platen Table.
- Inspect Abrasive Disk for tears, damage or premature wear.
- Clean dirt and debris from Sander motor air cooling slots.

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Does Not Run When Switch is Turned On	No power to Sander	Check 120 VAC input plug connection.
		Check for tripped circuit breaker. The Sander operates on a 15 Amp Minimum circuit.
Motor Runs Too Slow/ Develops Low Power	Excessive voltage drop due to local power company voltage supply	Use at another location or at a time when voltage is higher.
	Excessive voltage drop due to Under-sized and or too long of an extension cord used	Extension cords not recommended. If necessary, use only 16 Gauge or larger cord and limit length to 25'.
Sander Does Not Effectively Remove Material	Abrasive Disk worn	Check Abrasive Disk condition and replace per "ABRASIVE DISK REPLACEMENT" section in these instructions.
Excessive Noise and/or Vibration	Abrasive Disk likely torn or damaged. **WARNING:** This is an extremely unsafe condition!	Discontinue use and replace Abrasive Disk.
Motor Overheats	Excessive pressure being applied while sanding or grinding	Allow Disk 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

 # 21940 12" PSA Aluminum Oxide, 40 Grit
 # 21941 12" PSA Aluminum Oxide, 80 Grit
 # 21942 12" PSA Aluminum Oxide, 120 Grit
 # 21943 12" PSA Aluminum Oxide, 180 Grit
 # 21944 12" PSA Aluminum Oxide, 240 Grit

If you have any questions about the use of this product, please contact
The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com
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