

Eastwood

DO THE JOB RIGHT.

Part #13577

8", 1/2 HP BENCH GRINDER/SANDER INSTRUCTIONS



THE EASTWOOD 8", 1/2 HP GRINDER/BELT SANDER is a powerful, heavy-duty, high-quality shop tool precision engineered to provide excellent performance, rugged reliability and long life. It is equipped with a convenient angle-adjustable belt sander and a flexible stem work lamp.

WARNINGS

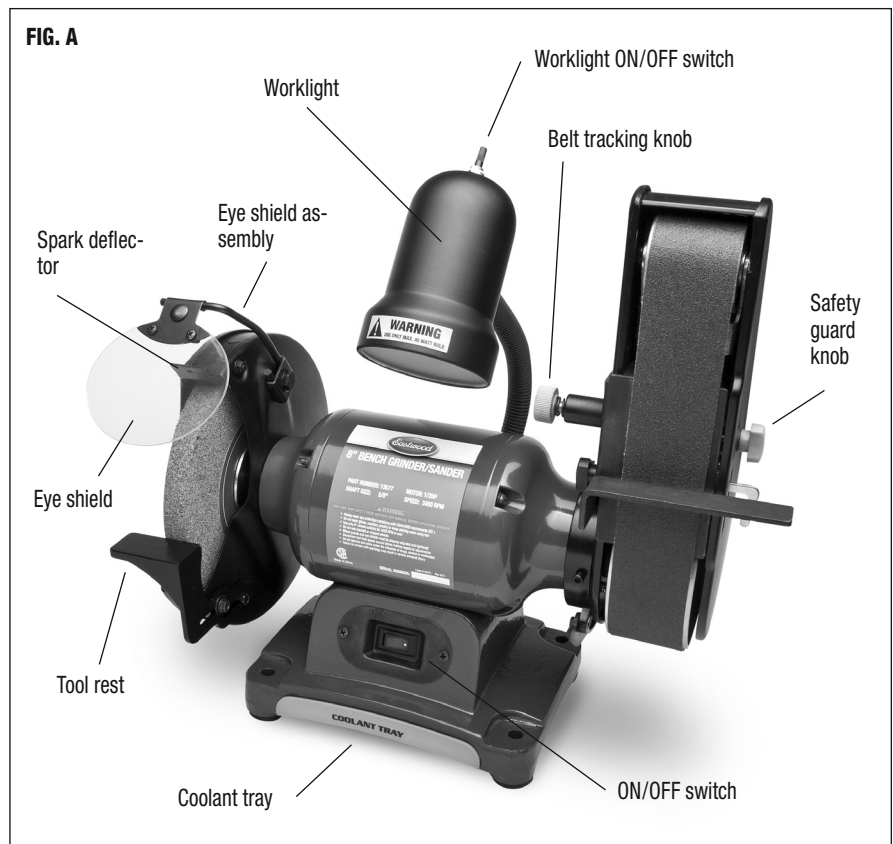
- Be Sure to **BECOME FAMILIAR** with all aspects of grinding wheel operation before using. Objects can be violently propelled by the wheel at high speed causing serious injury or death.
- **DO NOT** attempt to operate without guards, shields and guides in place! Serious injury could result!
- **DO NOT** attempt to operate without base being securely and firmly attached to a solid work surface. Serious injury could result.
- **IMPORTANT NOTE:** Grinding creates hot sparks and metal fragments which are ejected from the wheel at a considerable distance.
 - Keep flammable materials and liquids away from the grinding area.
 - Use appropriate ANSI or CSA approved eye and face protection.
 - Keep people and pets away from the grinding area.
- Keep long sleeves, other loose clothing and long hair away from rotating wheel and belt. Serious injury could result.
- Keep fingers and hands away from rotating wheel and belt sander parts. Use locking pliers or other suitable device to firmly hold smaller items while grinding.
- Should grinding wheel become cracked or an unbalanced condition or vibration develops, **TURN OFF SWITCH AND STOP USE IMMEDIATELY!**

SPECIFICATIONS

- 120V AC/60Hz.
- 1/2 Horsepower Motor
- 1/2" Shaft Diameter.
- 3450 RPM
- 8" x 3/4" Grinding Wheel, 60 Grit.
- 2" x 28" 0°-90° Adjustable Angle Sanding Belt, 80 Grit.
- Flexible Stem, 40 watt work lamp. (Bulb not included).

ASSEMBLY AND SET-UP

- Remove Grinder/Sander, parts bags and hardware from packaging. Be careful not to discard parts bags with packaging.
 - Attach Tool Rest to lower edge of wheel guard opening with supplied knob screw, washer and lock washer (Fig A). Locate slot over pin and adjust so that rear edge of tool rest is 1/8" from wheel surface.
 - Attach Spark Deflector over upper edge of wheel guard opening with supplied screw, washer and lock washer (Fig A), keeping the bottom edge approx 1/16" from the wheel surface.
 - Attach Eye Shield curved mounting arm with supplied thumb screw, washer and lock washer (Fig A).
 - Assemble Eye Shield assembly to hole at the inboard, 12:00 position of the Wheel Guard with supplied long hex head bolt, washer and lock washer (Fig A).
 - Snap the coolant-tray into the brackets located on the base. Fill with clean water.
 - Place a 40 watt maximum bulb in the work lamp socket.
- NOTE:** a vibration resistant or appliance bulb works best.



OPERATION

- The Grinder/Sander **MUST** be securely bolted or clamped to a solid work surface at a comfortable working height.
- Make sure the switch is in the **OFF** position before plugging in.
- Stand to one side and turn switch on then allow motor to reach operating speed. Check for vibration and shut-off immediately if any vibration is detected.
- **VERY IMPORTANT!** The wheel rotates in a Clockwise direction when viewed from the left side. When viewed from the front, the top segment of the wheel exposed by the shield is rotating toward the operator. **ALWAYS** grind objects pointing slightly downward and **NEVER** upward as they can be violently hurled toward you causing severe injury or death!
- Only apply a very light pressure against the wheel or the sanding belt when grinding. **NEVER** push an object hard against a grinding wheel or sanding belt.
- Always use the tool rests for support and stabilization.
- Only allow the object being ground to contact the wheel for several seconds at a time. Heat will quickly build in the wheel and ground object which can cause damage and burns. Dip the object into the coolant in the tray as required.
- **NEVER** grind against the side of the wheel as an imbalance condition or even cracking can occur.

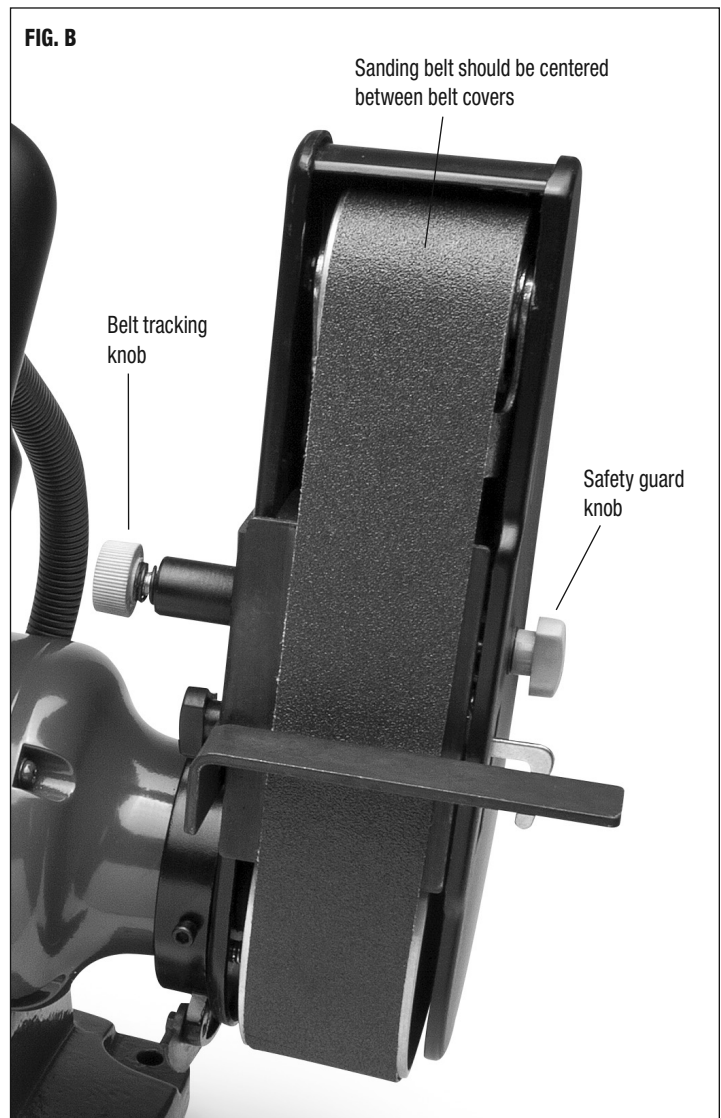
ADJUSTING BELT ANGLE

- Make sure the grinder is **OFF** and **UNPLUGGED!**
- Loosen the two inner hex-head screws, rotate the Sanding Belt Arm to the desired position and retighten screws.

ADJUSTING BELT TRACKING

“Tracking” the sanding belt means to center the belt on its rollers so that it does not make contact with the sides of the belt cover.

- Make sure the grinder is **OFF** and **UNPLUGGED!**
- Rotate the grinding wheel.
- As you rotate the grinding wheel, watch how the sanding belt rides on the upper roller. If the belt is tracking properly, the sanding belt should be centered between the sides of the belt cover (Fig B).
- While spinning the wheel, turn the tracking control knob counterclockwise to make the belt move to the left, or turn the tracking control knob clockwise to make the belt move to the right (Fig B).
- After the belt is centered, rotate the grinding wheel approximately ten times to ensure that the belt continues to track properly. Readjust if required.



TROUBLESHOOTING

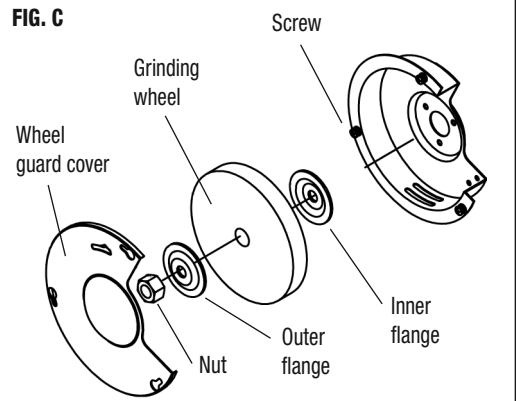
- Motor will not start when switch is turned on:
 - Check 120 VAC input plug connection.
 - Check for binding of shielding, tool rests or guards against wheel.
- Motor slows down while operating:
 - Too much pressure being applied to the wheel or to sanding belt. Reduce pressure.
 - Check for binding of shielding, tool rests or guards against wheel or moving parts of sanding belt.
- Burned appearance on ground object:
 - Too much pressure being applied to the wheel. Reduce pressure.
 - Ground object being held too long against wheel. Grind several seconds on, wait several seconds, re-grind.
 - Dip ground object into coolant.
- Wheel and or belt wearing rapidly:
 - Too much pressure being applied to the wheel or belt. Reduce pressure.
 - Wheel too soft for material being ground, use harder wheel.
 - Ground object being held too long against wheel. Grind several seconds on, wait several seconds, re-grind.
- Wheel or belt loading up with metal:
 - Too much pressure being applied to the wheel or belt. Reduce pressure.
 - Wheel too hard for material being ground, use softer wheel.
 - Ground object being held too long against wheel or belt. Grind several seconds on, wait several seconds, re-grind.
 - Too much heat in ground object. Dip into coolant.

REPLACING A WHEEL

Your grinder's unique quick-release covers make wheel replacement a snap.

- Make sure the grinder is **OFF** and **UNPLUGGED!**
- Loosen the three Phillips head screws (don't remove) and rotate the side plate of the wheel guard along the slots counter-clockwise (left side) or clockwise (right side) until the holes clear the screw heads (Fig C). Set aside.
- Remove large retaining nut (Clockwise, reverse thread) (Fig C).
- Remove Outer Flange Washer.
- Remove Grinding Wheel.
- Replace in reverse order of disassembly. Be aware that the shaft is reverse threaded. **NOTE:** Do not over-tighten the Grinding Wheel Retaining Nut. Cracking of the Grinding Wheel could occur resulting in a dangerous condition.

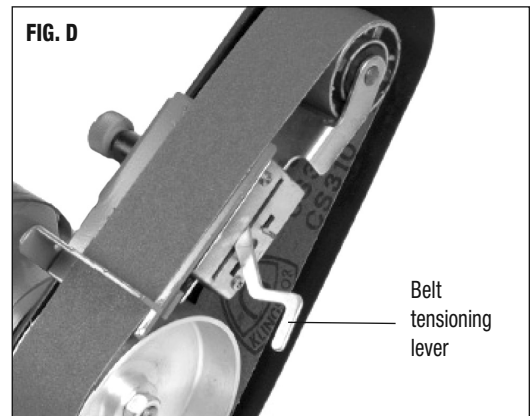
FIG. C



REPLACING A SANDING BELT

- Make sure the grinder is **OFF** and **UNPLUGGED!**
- Loosen the Belt Guard attachment knob, remove guard and Set aside (Fig B).
- Move Lever outward to release belt tension and remove belt (Fig D).
- Replace belt and move Belt Tensioning Lever inward to tension and retain belt. Be sure it is centered over Drive Drum and Idler Roller.
- Replace Guard.

FIG. D



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

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