



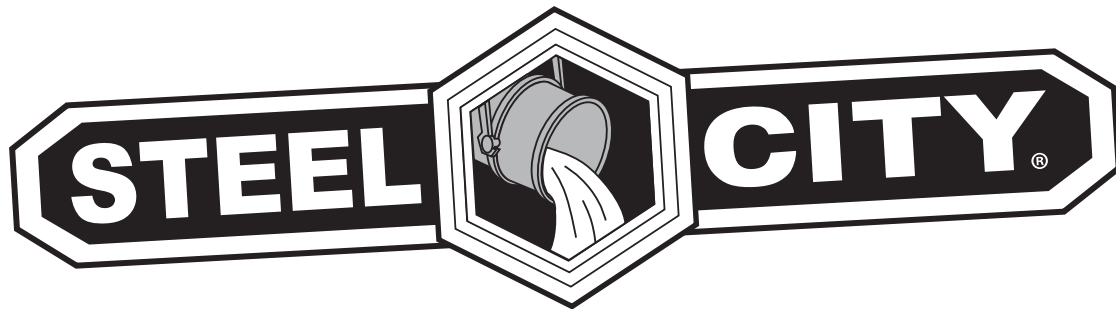
User Manual

Read and understand this manual before using machine.

6" x 9" BELT & DISC SANDER WITH STAND



Model Number
55150



THANK YOU for purchasing your new Steel City Sander. This sander has been designed, tested, and inspected with you, the customer, in mind. When properly assembled, used and maintained, your sander will provide you with years of trouble free service, which is why it is backed by one of the best machinery warranties in the business.

This sander is just one of many products in the Steel City's family of woodworking machinery and is proof of our commitment to total customer satisfaction.

At Steel City we continue to strive for excellence each and every day and value the opinion of you, our customer. For comments about your sander or Steel City Tool Works, please visit our web site at www.steelcitytoolworks.com .

WARRANTY

2 YEAR LIMITED WARRANTY

Steel City Tool Works, LLC (SCTW) warrants this SCTW machinery to be free of defects in workmanship and materials for a period of 2 years from the date of the original retail purchase by the original owner for domestic use. Granite components are warranted for 2 years based on normal use and is void if non SCTW accessories are used that cause the break or chip. Customer must advise SCTW within 30 days for any damage or defect found upon receipt of the product to qualify for the warranty on granite.

The warranty does not cover any product used for professional or commercial production purpose nor for industrial or educational applications. Such cases are covered by our 1 year Limited Warranty with the Conditions and Exceptions listed below.

Conditions and exception:

Warranty applies to the original buyer only and may not be transferred. Original proof of purchase is required.

Warranty does not include failures, breakage or defects deemed after inspection by an Authorized Service Center, (ASC) or agent of, have been directly or indirectly caused by or resulting from improper use, lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any part or component.

Additionally, warranty is void if repairs or alterations are made to the machine by an unauthorized service center without the direct consent of SCTW

Consumables such as blades, knives, bits and sandpaper are not covered.
Wear items such as drive belt, bearings, switch, are covered for 1 year.

To file a claim of warranty or to find a service center, call toll free 877-724-8665 or email customercare@steelcitytoolworks.net and you must be able to present the original or photo copy of the sales receipt including the serial number from the machine and/or carton.

SCTW will inspect, repair or replace, at its expense and its option, any part that has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a designated ASC and provides SCTW with a reasonable opportunity to verify the alleged defect by inspection. SCTW will return the product or replacement at our expense unless it is determined by us that there is no defect or that the defect resulted from causes not within the scope of our *warranty in which case we will, at your direction, dispose of or return the product*. In the event you choose to have the product returned, you will be responsible for the handling and shipping costs of the return.

SCTW furnishes the above warranties in lieu of all other warranties, express or implied. SCTW shall not be liable for any special, indirect, incidental, punitive or consequential damages, including without limitation loss of profits arising from or related to the warranty, the breach of any agreement or warranty, or the operation or use of its machinery, including without limitation damages arising from damage to fixtures, tools, equipment, parts or materials, direct or indirect loss caused by and other part, loss of revenue or profits, financing or interest charges, and claims by and third person, whether or not notice of such possible damages has been given to SCTW. Damages or any kind for any delay by or failure of SCTW to perform its obligations under this agreement or claims made a subject of a legal proceeding against SCTW more than one (1) year after such cause of action first arose.

The validity, construction and performance of this Warranty and any sale of machinery by SCTW shall be governed by the law of the Commonwealth of Pennsylvania, without regard to conflicts of law's provisions of any jurisdiction. Any action related in any way to any alleged or actual offer, acceptance or sale by SCTW or any claim related to the performance of and agreement including without limitation this Warranty, shall take place in the federal or state courts in Allegheny County, Pennsylvania.

Warranty registration card must be submitted to SCTW for purpose of proof within 90 days of purchase with a copy of the sales receipt. Failure to do so will, revert the 2 year warranty to 1 year as in the terms stated above. This registration is also needed to facilitate contact in case of a safety recall.

This warranty gives you specific legal rights and you may have other rights which vary in certain States or Provinces.

Note to user

This instruction manual is meant to serve as a guide only. Specification and references are subject to change without prior notice. Check the website www.steelcitytoolworks.com for updated manuals with reference to the VER# located on the front page.

LIMITED WARRANTY – BLUE LINE line of bench top tools

Steel City Tool Works, LLC (SCTW) warrants this SCTW BLUE LINE machinery to be free of defects in workmanship and materials for a period of 2 years from the date of the original retail purchase by the original owner for domestic use.

Consumables such as blades, knives, bits and sandpaper are not covered.
Wear items such as drive belt, bearings, switch, are covered for 1 year.

The warranty does not cover any product used for professional or commercial production purpose nor for industrial or educational applications. Such cases are covered by our 30 days Limited Warranty with the Conditions and Exceptions listed previously.

Operating Instructions

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

6 x 9" Belt & Disc Sander with Stand

Description

6" Belt and 9" Disc Sander with Stand is constructed of rugged die cast aluminum and cast iron providing stability and vibration-free operation. The 6 x 48" belt and 9" diameter disc are used to sand, deburr, bevel and grind large workpieces of wood, plastic and metal.

The 6 x 48" belt housing can be pivoted from vertical to horizontal for sanding large, straight workpieces. The belt assembly includes a tilting, cast iron table with miter gauge and dust collection chute.

The 9" diameter disc can be used to sand or bevel surfaces with the use of 0 to 45° scaled aluminum table. The 9" diameter disc assembly includes a tilting table with miter gauge slot and dust collection chute.

The 3" diameter idler drum permits the sanding of contoured shapes and finishes by positioning the adjustable platen from a horizontal to a vertical position.

The two dust collection chutes with adaptable exhaust ports allow for quick removal of dust. The adjustable miter gauge can be used on both the belt and disc tables for guiding the workpiece at a desired angle while sanding.

Unpacking

(Refer to Figures 1 and 2)

Check for shipping damage. If damage has occurred, a claim must be filed with carrier. Check for completeness. Immediately report missing parts to dealer.

The sander comes assembled as one unit. Additional parts which need to be fastened to sander, should be located and accounted for before assembling.

- A Abrasive and aluminum disc with set screw
- B Disc guard
- C Disc dust chute
- D Disc table with attached trunnions
- E Work stop
- F Belt table assembly
- G Belt dust chute
- H Miter gauge assembly

Parts bag includes: two handles, three 6-1.0 x 12mm pan head screws, one 10-1.50 x 25mm socket head bolt, three 10mm flat washers, four 5-0.8 x 8mm

pan head screws and three 6mm lock washers.

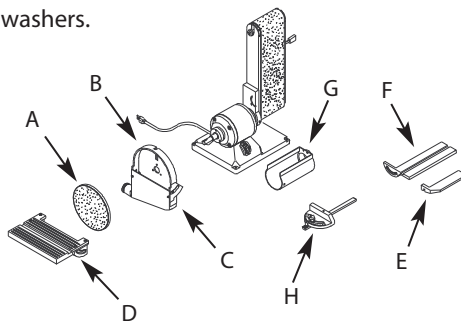


Figure 1 - Unpacking Sander

The stand comes unassembled and packed along with the sander in the same box. Locate and identify all parts before attempting assembly (Refer to Figure 2).

- A Top Frame (4)
- B Brace (4)
- C Leg (4)
- D Rubber Foot (4)
- E 8-1.25 x 15mm Carriage Bolt (24)
- F 8-1.25mm Washer Head Hex Nut (24)
- G 8-1.25 x 50mm Hex Head Bolt (4)

- H 8mm Flat washer (8)
- I 8-1.25mm Hex nut (4)

Specifications

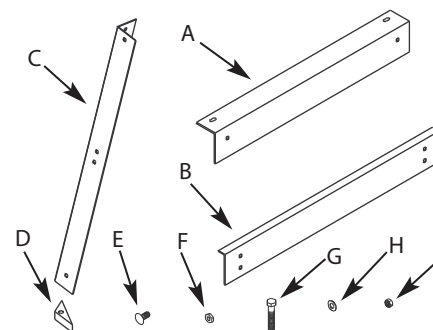


Figure 2 - Unpacking Stand

- Belt size 6 x 48"
- Belt platen area 7 $\frac{1}{8}$ x 17"
- Belt drum dimensions 3 x 6 $\frac{1}{8}$ "
- Belt table dimensions 5 $\frac{7}{8}$ x 9 $\frac{13}{16}$ "
- Belt table tilts..... 0 to 60°
- Belt dust chute diameter..... 2 $\frac{1}{2}$ "
- Belt speed 2700 SFPM
- Disc diameter 9"
- Disc table dimensions 5 $\frac{7}{8}$ x 11 $\frac{13}{16}$ "
- Disc table tilts..... 0 to 45°
- Disc dust chute diameter..... 1 $\frac{1}{2}$ "
- Disc speed..... 3450 RPM
- Base dimensions..... 14 $\frac{1}{2}$ x 14 $\frac{1}{2}$ "
- Switch SP, Locking rocker
- Motor 1 HP, 230 V, 4.5 Amps
- Weight..... 115 lbs

General Safety Information

⚠ WARNING For your own safety, read all of the instructions and precautions before operating tool.

⚠ CAUTION Always follow proper operating procedures as defined in this manual even if you are familiar with use of this or similar tools. Remember that being careless for even a fraction of a second can result in severe personal injury.

SAFETY

General Safety Information (Continued)

BE PREPARED FOR JOB

1. Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets or other jewelry which may get caught in moving parts of machine.
2. Wear protective hair covering to contain long hair.
3. Wear safety shoes with non-slip soles.
4. Wear safety glasses complying with instructions. Everyday glasses have only impact resistant lenses. They are NOT safety glasses.
5. Wear face mask or dust mask if operation is dusty.
6. Be alert and think clearly. Never operate power tools when tired, intoxicated or when taking medications that cause drowsiness.

PREPARE WORK AREA FOR JOB

1. Keep work area clean. Cluttered work areas invite accidents.
2. Do not use power tools in dangerous environments. Do not use power tools in damp or wet locations. Do not expose power tools to rain.
3. Work area should be properly lighted.
4. Proper electrical receptacle should be available for tool. Three-prong plug should be plugged directly into properly grounded, three-prong receptacle.
5. Extension cords should have a grounding prong and the three wires of the extension cord should be of the correct gauge.
6. Keep visitors at a safe distance from work area.

7. Keep children out of workplace. Make workshop childproof. Use padlocks, master switches or remove switch keys to prevent any unintentional use of power tools.

TOOL SHOULD BE MAINTAINED

1. Always unplug tool prior to inspection.
2. Consult manual for specific maintaining and adjusting procedures.
3. Keep tool lubricated and clean for safest operation.
4. Remove adjusting tools. Form habit of checking to see that adjusting tools are removed before switching machine on.
5. Keep all parts in working order. Check to determine that the guard or other parts will operate properly and perform their intended function.
6. Check for damaged parts. Check for alignment of moving parts, binding, breakage, and mounting or any other condition that may affect a tool's operation.
7. A guard or other damaged part should be properly repaired or replaced. Do not perform makeshift repairs. (Use parts list provided to order repair parts.)

KNOW HOW TO USE TOOL

1. Use right tool for job. Do not force tool or attachment to do a job for which it was not designed.
2. Disconnect tool when changing belt or abrasive disc.
3. Avoid accidental start-up. Make sure that the tool is in the OFF position before plugging in.

4. Do not force a tool. It will work most efficiently at the rate for which it was designed.
5. Keep hands away from moving parts and sanding surfaces.
6. Never leave tool running unattended. Turn the power off and do not leave tool until it comes to a complete stop.
7. Do not overreach. Keep proper footing and balance.
8. Never stand on tool. Serious injury could occur if tool is tipped or if belt or disc are unintentionally contacted.
9. Know your tool. Learn the tool's operation, application and specific limitations.
10. Use of improper accessories may cause risk of injury to persons.
11. Handle workpiece correctly. Protect hands from possible injury.
12. Turn machine off if it jams. Belt jams when it digs too deeply into workpiece. (Motor force keeps it stuck in the work.)
13. Support workpiece with miter gauge, belt platen or work table.
14. Maintain 1/16" maximum clearance between table and sanding belt or disc.

CAUTION Think safety! Safety is a combination of operator common sense and alertness at all times when tool is being used.

WARNING Do not attempt to operate tool until it is completely assembled according to instructions.

SANDER ASSEMBLY

Assembly

Refer to Figures 3, 4 and 5.

CAUTION Do not attempt assembly if parts are missing. Use this manual to order repair parts.

ASSEMBLE DISC TABLE

Refer to Figure 3.

1. Attach disc guard to end shield using three pan head screws, three flat washers and three lock washers.
2. Remove tape from key and armature. Slide aluminum disc with abrasive disc onto armature with keyway in disc aligned with key in armature. Secure disc to armature using set screw.
3. Slide disc dust chute onto disc guard from below the 9" disc with exhaust port to rear of tool. Secure dust chute to disc guard with two pan head screws.
4. Slide disc table with attached trunnions onto the raised bosses on each side of disc guard. Mount two handles and flat washers through trunnions into threaded holes on each side of disc guard.

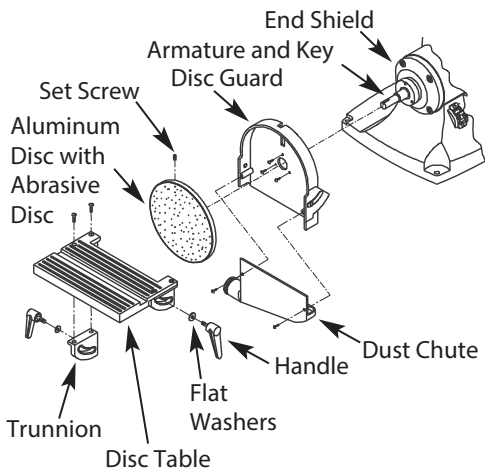


Figure 3 – Assemble Disc Table

5. Locate table in desired position and secure with handles.
6. Be sure the gap between the disc and disc table is 1/16" or less.
7. If adjustment is necessary, loosen set screw in aluminum disc through the opening at top-rear of disc guard. Position disc 1/16" or less from edge of table. Secure disc with set screw.

ASSEMBLE BELT TABLE

Refer to Figure 4.

Slide belt table assembly into trunnion groove in pivot bracket. Mount using socket head bolt and flat washer. Locate table in desired position. Be sure that gap between belt table and belt is 1/16" or less. Tighten bolt securely.

ASSEMBLE BELT DUST CHUTE

Refer to Figure 4.

Mount belt dust chute to platen using two pan head screws.

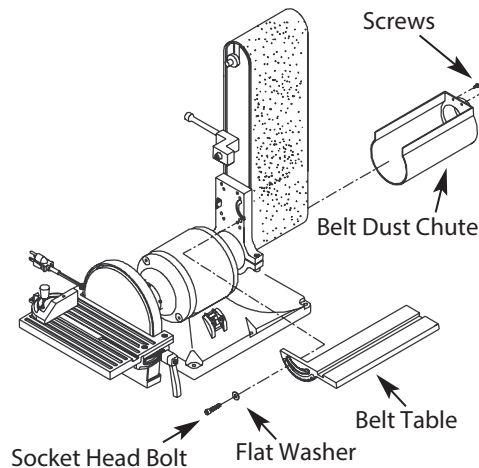


Figure 4 – Assemble Belt Table

ASSEMBLE STAND

Refer to Figure 5.

NOTE: Finger tighten bolts and nuts until assembly is complete. Then tighten all fasteners securely prior to mounting sander.

1. Install foot by pressing onto all four legs.
2. Attach one top frame to one pair of legs using carriage bolts and hex nuts. Repeat for second pair of legs.
3. Attach one brace to each pair of legs using carriage bolts and hex nuts.)
4. Connect the two leg sets with the two remaining top frames. Make sure that the square holes in the legs align with the square holes in the top frame. Also make sure that the slots on top of the frame members are aligned at each corner. Secure frames to legs using carriage bolts and hex nuts.
5. Attach the two remaining braces by aligning the square holes in the legs and the braces. Insert carriage bolts and secure with hex nuts.

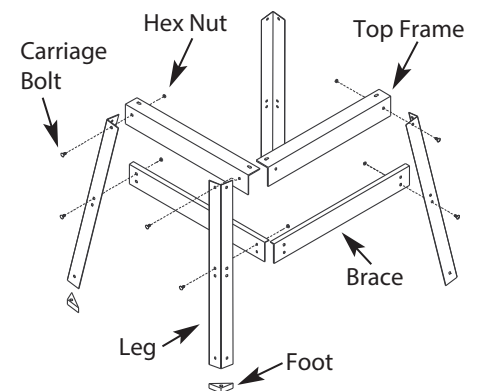


Figure 5 – Assemble Stand

MOUNTING SANDER TO STAND

MOUNTING SANDER TO STAND

Refer to Figure 9.

1. Install sander on the stand.
2. Align mounting holes on sander with slots on top frame.
3. Secure sander to stand on all four corners using hex head bolts, hex nuts, and flat washers.

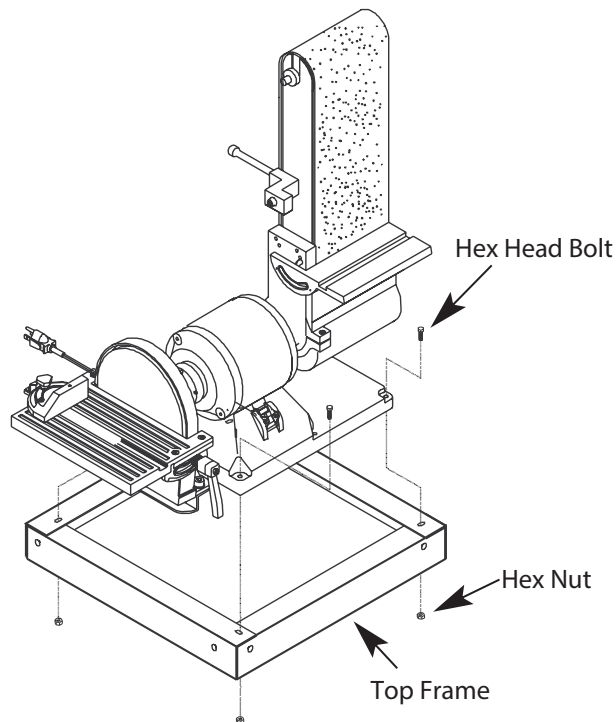


Figure 9 – Mounting Sander to Stand

ELECTRICAL INFORMATION

⚠ WARNING *All electrical connections must be performed by a qualified electrician.*

POWER SOURCE

The motor is designed for operation on the voltage and frequency specified. Normal loads will be handled safely on voltages not more than 10% above or below the specified voltage.

Running the unit on voltages which are not within the range may cause overheating and motor burn-out. Heavy loads require that the voltage at motor terminals be no less than the voltage specified. Power supply to the motor is controlled by a single pole locking rocker switch. Remove the key to prevent unauthorized use.

GROUNDING INSTRUCTIONS

⚠ WARNING *Improper connection of equipment grounding conductor can result in the risk of electrical shock. Equipment should be grounded while in use to protect operator from electrical shock.*

Check with a qualified electrician if grounding instructions are not understood or if in doubt as to whether the tool is properly grounded.

This tool is equipped with an approved 3-conductor cord rated at 300V and a 3-prong grounding type plug (See Figure 6) for your protection against shock hazards.

Grounding plug should be plugged directly into a properly installed and grounded 3-prong grounding-type receptacle, as shown (Figure 6).

EXTENSION CORDS

1. The use of any extension cord will cause some drop in voltage and loss of power.
2. Wires of the extension cord must be of sufficient size to carry the current and maintain adequate voltage.
3. Use the table to determine the minimum wire size (A.W.G.) extension cord.
4. Use only 3-wire extension cords having 3-prong grounding type plugs and 3-pole receptacles which accept the tool plug.
5. If the extension cord is worn, cut or damaged in any way, replace it immediately.

EXTENSION CORD LENGTH

Wire Size	A.W.G.
Up to 25 ft.	18

Using extension cords over 25 ft. long is not recommended.

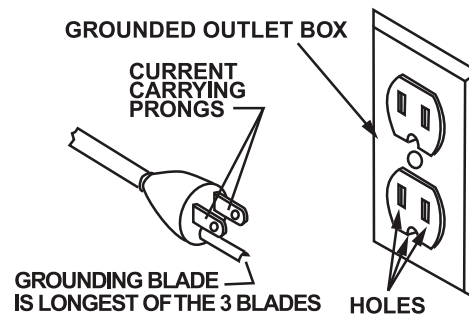


Figure 6-Grounding Instructions

OPERATIONS

⚠ WARNING

Operation of any power tool can result in foreign objects being thrown into eyes which can result in severe eye damage. Always wear safety goggles complying with instructions (shown on package) before commencing power tool operation. Safety goggles are available through your Grainger catalog.

⚠ CAUTION

Always observe the following safety precautions:

1. Whenever adjusting or replacing any parts on the tool, turn switch off and remove the plug from power source.
2. Recheck table handles and bolt. They must be tightened securely.
3. Make sure all guards are properly attached and securely fastened.
4. Make sure all moving parts are free and clear of any interference.
5. Make sure all fasteners are tight and have not vibrated loose.
6. With power disconnected, test operation by hand to verify clearance and adjust if necessary.
7. Always wear eye protection or face shield.
8. Make sure abrasive belt tracks properly. Correct tracking gives optimum performance.
9. After turning switch on, always allow belt to come up to full speed before sanding or grinding.
10. Be sure motor runs clockwise on disc side. Abrasive belt must travel down.
11. Keep your hands clear of abrasive belt, disc and all moving parts.
12. For optimum performance, do not stall motor or reduce speed. Do not force the work into the abrasive.
13. Support workpiece with belt table when sanding with belt, with disc table when sanding with disc.
14. Never push a sharp corner of workpiece rapidly against belt or disc. Abrasive backing may tear.
15. Replace abrasives when they become loaded (glazed) or frayed.
16. When grinding metal, move workpiece across abrasive to prevent heat build-up.
17. Never attempt wet sanding. If workpiece becomes too hot to handle, cool it in water.

REPLACING ABRASIVE BELT

Refer to Figure 10.

1. Sanding belt should be replaced when worn, torn, or glazed. Remove belt dust chute by removing two washer head screws.
2. Release belt tension by pushing tension lever toward idler drum. Slide old belt off the drive and idler drums.

NOTE: There may be an arrow on the inside of the belt. The arrow should point down toward the belt table to ensure that the splice in the belt will not come apart.

3. Slide new belt over the drive and idler drums; center belt on drums.
4. Push tension lever towards drive drum to tension belt.

5. Rotate belt by hand to check tracking. Belt should ride centered on drive and idler drums. Adjust thumb nut as needed to center belt on drums. When belt tracks properly, tighten hex nut. If adjustment of thumb nut does not provide desirable tracking, adjust the stud using a flat screwdriver. To adjust stud, loosen hex nut and turn stud counterclockwise to move belt to the right or clockwise to move belt to the left until belt rides centered on drive and idler drums. Tighten hex nut while holding the stud in place.
6. Mount belt dust chute using washer head screws.

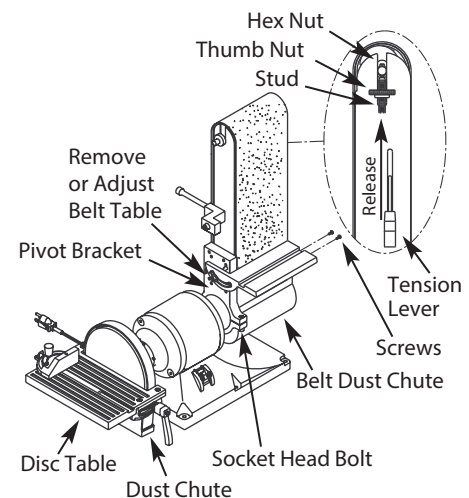


Figure 10 – Adjusting Assembly

ADJUST BELT ASSEMBLY POSITION

Refer to Figure 10.

Sanding belt assembly can be adjusted from horizontal to vertical position.

1. Loosen socket head bolt that is threaded into pivot bracket.
2. Tilt belt assembly to desired position (from horizontal to vertical). Secure belt assembly position by tightening socket head bolt in pivot bracket.

ADJUST BELT TABLE

Refer to Figure 10.

1. To adjust belt table angle, loosen socket head bolt.
2. Tilt belt table to desired position. Adjust for 1/16" maximum clearance between the belt and the table. Secure by tightening socket head bolt.

HORIZONTAL BELT SANDING

Refer to Figure 10.

1. The belt platen can be tilted from a vertical to a horizontal position.
2. Remove the belt table by removing the socket head bolt and flat washer. Loosen the socket head bolt in the pivot bracket; tilt the belt platen assembly to the horizontal position and tighten the socket head bolt to secure position.
3. Idler drum can be used as a contact drum to sand curved surfaces.

WORK STOP

The work stop (Ref. No. 39) can be used instead of the belt table.

1. Remove socket head bolt and flat washer (Ref. Nos. 35 and 36) holding belt table on pivot bracket. Remove belt table.
2. Mount work stop to pivot bracket using the socket head bolt and washer (Ref. Nos. 35 and 36).

ABRASIVE BELT FINISHING

Refer to Figure 10.

1. Finishing flat surfaces: Hold work-piece firmly with both hands; keep fingers away from abrasive belt. Use work stop. Work stop is used to position and secure work being sanded. Keep end butted against work stop and move work evenly across abrasive belt. Use extra caution when finishing very thin pieces. Finishing long pieces: remove work stop. Apply only enough pressure to allow abrasive belt to remove material.
2. Finishing curved edges: Finish outside curves on flat portion of abrasive belt. Finish inside curves on idler drum portion of abrasive belt.
3. Finishing end grain: It is more convenient to finish ends of long work-pieces with the abrasive belt in a vertical position.

Position table on belt side of sander. Lock into position with socket head bolt and washer. Move work evenly across abrasive belt. For accuracy, use miter gauge. Table may be tilted for beveled work.

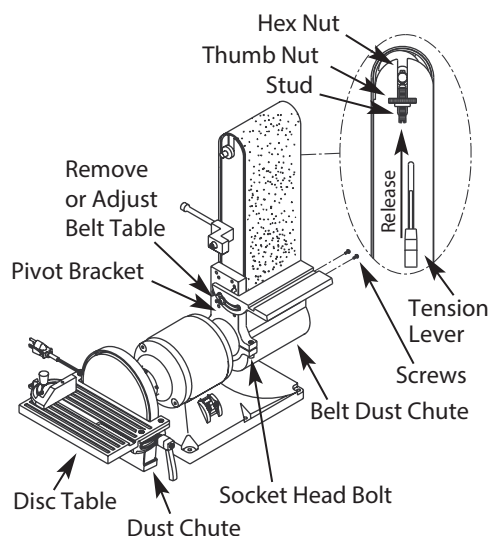


Figure 10 – Adjusting Assembly

REPLACING ABRASIVE DISC

Refer to Figure 10.

1. Remove disc table and dust chute.
Remove old abrasive disc by peeling it from the aluminum disc. Removing aluminum disc from motor shaft is not necessary.
2. Clean aluminum disc if necessary.
Select the proper abrasive disc and apply to aluminum disc.
3. Additional abrasive discs are available from most local hardware and/or tool stores.
4. Replace dust chute and disc table.

ADJUSTING DISC TABLE ANGLE

Refer to Figure 10.

1. Disc table is adjustable from 0 to 45° for beveled work.
2. To adjust the disc table, loosen the two handles and pivot to the desired angle.
3. Use the scale on disc table trunnions to set table from 0 to 45° from abrasive disc.
4. When disc table is at desired angle, lock it into position by securely tightening the handles.

ABRASIVE DISC FINISHING

1. Abrasive disc sanding is well suited for finishing small flat surfaces and convex edges.
2. Move workpiece across down side (right) of abrasive disc.
3. Abrasive disc moves fastest and removes more material at outer edge.
4. For accuracy, use miter gauge.

USING MITER GAUGE

1. The miter gauge is used on both belt and disc tables. Use the miter gauge for securing the work and holding the proper angle while sanding.
2. Adjust angle by repositioning the miter gauge scale and locking it into place with knob.
3. Check accuracy of miter gauge scale.
4. Use a combination square to adjust miter gauge square to disc. Indicator should be at zero. Loosen screw and reposition indicator if necessary.

Maintenance

▲ WARNING *Make certain that the unit is disconnected from power source before attempting to service or remove any component.*

CLEANING

1. Keep machine and workshop clean.
Do not allow sawdust to accumulate on the tool.
2. Keep the drums clean. Dirt on drums will cause poor tracking and belt slippage.
3. Operate tool with dust collector to keep dust from accumulating.

▲ WARNING After sanding wood or non-metallic material, always clean dust collector and guards of sawdust before grinding metal. Sparks could ignite debris and cause a fire.

4. Be certain motor is kept clean and is frequently vacuumed free of dust.
5. Use soap and water to clean painted parts, rubber parts and plastic guards.

LUBRICATION

1. The shielded ball bearings in this tool are permanently lubricated at the factory. They require no further lubrication.
2. When operation seems stiff, a light coat of automobile-type wax applied to the belt and disc tables will make it easier to feed the work while finishing.
3. Do not apply wax to the belt platen. Belt could pick up wax and deposit it on the drums causing belt to slip.

KEEP TOOL IN REPAIR

1. If power cord is worn, cut or damaged in any way, have it replaced immediately.
2. Replace worn abrasives when needed.
3. Replace any damaged or missing parts. Use parts list to order parts.
4. Any attempt to repair motor may create a hazard unless repair is done by a qualified service technician.

TROUBLE SHOOTING CHART

Symptom	Possible Cause(s)	Corrective Action
Motor will not start	<ol style="list-style-type: none"> 1. Blown line fuse or tripped circuit breaker 2. Low line voltage 3. Defective switch 4. Defective, blown capacitor 	<ol style="list-style-type: none"> 1. If fuse is blown, replace with fuse of proper size. If breaker tripped, reset it 2. Check power supply for voltage and correct as needed 3. Replace switch 4. Replace capacitor
Motor will not start; fuses blown or circuit breakers tripped	<ol style="list-style-type: none"> 1. Overloading due to binding 2. Defective plug 3. Defective cord 4. Defective switch 5. Faulty internal wiring 	<ol style="list-style-type: none"> 1. Clean around wheels and shaft and/or replace bearings 2. Replace plug 3. Replace cord 4. Replace switch 5. Contact seller
Motor fails to develop full power (power output of motor decreases rapidly with decrease in voltage at motor terminals)	<ol style="list-style-type: none"> 1. Power line overloaded with lights, appliances and other motors 2. Undersized wires or circuits too long 3. General overloading of power company's facilities 	<ol style="list-style-type: none"> 1. Reduce load on power line 2. Increase wire sizes, or reduce length of wiring 3. Request a voltage check from power company
Motor overheats	Motor overloaded	Reduce load on motor
Motor stalls (resulting in blown fuses or tripped circuit breakers)	<ol style="list-style-type: none"> 1. Short circuit in motor or loose connections 2. Low voltage 3. Incorrect fuses or circuit breakers in power line 4. Motor overloaded 	<ol style="list-style-type: none"> 1. Inspect connections in motor for loose or shorted terminals or worn insulation on lead wires 2. Correct the low line voltage conditions 3. Install correct fuses or circuit breakers (See electrical connections, Page 5) 4. Reduce load on motor
Machine slows down while operating	Applying too much pressure to workpiece	Ease up on pressure
Abrasive belt runs off top wheel	Not tracking properly	See operation section "Replacing Abrasive Belt"



STEEL CITY TOOL WORKS

www.steelcitytoolworks.com

1-877-SC4-TOOL
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NOTES

www.steelcitytoolworks.com

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