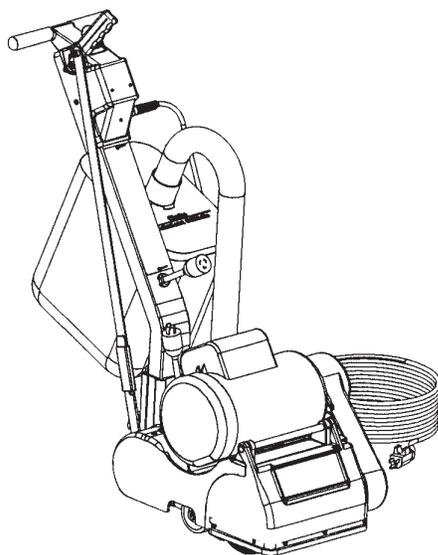

Clarke[®]

American Sanders

EZ-8

Sander



Operator's Manual

READ THIS BOOK

This book has important information for the use and safe operation of this machine. Failure to read this book prior to operating or attempting any service or maintenance procedure to your Clarke American Sanders machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. You must have training in the operation of this machine before using it. If your operator(s) cannot read this manual, have it explained fully before attempting to operate this machine.

All directions given in this book are as seen from the operator's position at the rear of the machine.

For new books write to: Clarke[®], 2100 Highway 265, Springdale, Arkansas 72764

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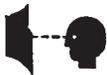
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OPERATOR SAFETY INSTRUCTIONS

DANGER means:	Severe bodily injury or death can occur to you or other personnel if the DANGER statements found on this machine or in this Operator's Manual are ignored or are not adhered to. Read and observe all DANGER statements found in this Operator's Manual and on your machine.
WARNING means:	Injury can occur to you or to other personnel if the WARNING statements found on your machine or in this Operator's Manual are ignored or are not adhered to. Read and observe all WARNING statements found in this Operator's Manual and on your machine.
CAUTION means:	Damage can occur to the machine or to other property if the CAUTION statements found on your machine or in this Operator's Manual are ignored or are not adhered to. Read and observe all CAUTION statements found in this Operator's Manual and on your machine.

 **DANGER:**



Failure to read the Operator's Manual before operating or servicing this sanding equipment could result in injury to the operator or to bystanders and could cause damage to the equipment. Read and observe all safety statements found in this manual and on the sanding equipment. Make sure all labels, decals, warnings, cautions and instructions are fastened to the equipment. Replace any that are damaged or missing. You must have training in the operation of this equipment before using it. **If the operator is unable to read this manual, have it explained fully before they attempt to use this equipment.**

 **DANGER:**



Sanding/finishing wood floors can create an environment that can be explosive. The following safety procedures must be adhered to:

- Cigarette lighters, pilot lights and any other source of ignition can create an explosion when active during a sanding session. All sources of ignition should be extinguished or removed entirely if possible from the work area.
- Work areas that are poorly ventilated can create an explosive environment when certain combustible materials are in the atmosphere, i.e., solvents, thinners, alcohol, fuels, certain finishes, wood dust and other combustible materials. Floor sanding equipment can cause flammable material and vapors to burn. Read the manufacturer's label on all chemicals used to determine combustibility. Keep the work area well ventilated.
- Spontaneous combustion or an explosion can occur when working with sanding dust. The sanding dust can self-ignite and cause injury or damage. Sanding dust should be disposed of properly. Always empty the sanding dust into a metal container that is located outside of any building(s).
- Remove the contents of the dust bag when the bag is 1/3 full. Remove the contents of the dust bag each time you finish using the equipment. Never leave a dust bag unattended with sanding dust in it.
- Do not empty the contents of the dust bag into a fire.
- Hitting a nail while sanding can cause sparks and create an explosion or fire. Always use a hammer and punch to countersink all nails before sanding floors.



DANGER:

Operating partially assembled sanding equipment could result in injury to the operator or bystander and could cause damage to the equipment or to other property.

- Do not operate this equipment unless it is fully assembled and all guards, doors and covers are secured.
- Keep all fasteners tight.
- Keep all adjustments within manufacturer's specifications.



DANGER:



Moving parts on this sanding equipment can cause injury to the operator or bystanders.

- Keep hands, feet and loose clothing away from all moving parts.
- Do not change or adjust the abrasive while the sanding equipment is running.
- Do not service the sanding equipment while it is running.



DANGER:



This sanding equipment requires a supply of electricity. Improper use could result in electrical shock or fire.

- Connect only to an electrical source matching what is shown on the equipment nameplate.
- Do not use this sanding equipment on an ungrounded electrical circuit. Consult an electrician if you suspect the circuit is not properly grounded.
- Do not use this sanding equipment with a damaged electrical cord. Inspect before each use.
- Avoid striking the electrical cord with the abrasive. Always lift the electrical cord over the sanding equipment.
- Do not use the electrical cord to move the sanding equipment.
- Disconnect the electrical source before servicing this equipment.



WARNING:



In the event of a bag fire, injury can occur to the operator if the operator is tied or strapped to equipment. Use operating belt properly (follow procedure on page 11).



WARNING:



Injury to the operator or bystander can occur if protective gear is not worn while sanding. Always use eye, ear, and respiratory protection while performing any sanding operation.



WARNING:

Bodily injury could occur if power is applied to the equipment with the power switch already in the "ON" position. Always check to assure that the power switch is in the "OFF" position before connecting power supply.



CAUTION:

Maintenance and repairs performed by unauthorized personnel could result in damage or injury. Maintenance and repairs performed by unauthorized personnel will void your warranty. Servicing of this unit must always be referred to an authorized Clarke American Sanders distributor.



CAUTION:

Use of this equipment to move other objects or to climb on could result in injury or damage. Do not use this equipment as a step or furniture. Do not ride on this equipment.



CAUTION:

Damage could occur to the equipment if not properly kept in a dry building for storage. Store the equipment in a dry building.



CAUTION:

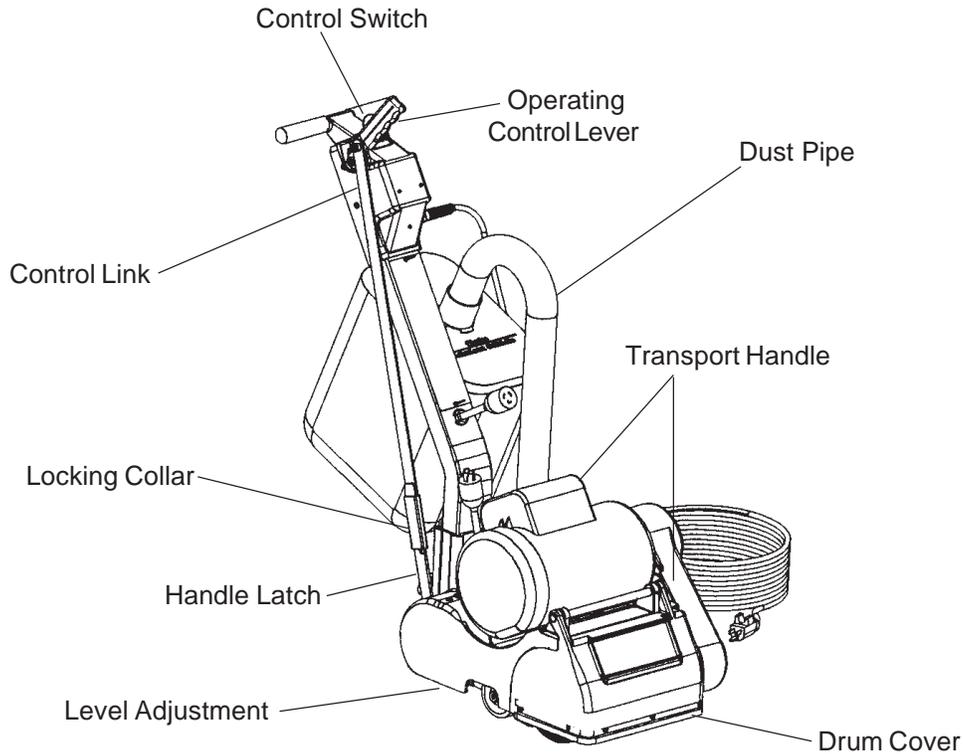
The equipment is heavy. When transporting the equipment, remove the motor. Get help to lift the equipment and motor.



CAUTION:

Serious damage to the floor can occur if the sanding equipment is left running in one spot while the sanding drum is in contact with the floor. To avoid damage to the floor, feather cut in at a normal sanding rate. Do not dwell while lowering or raising the contact wheel. Always sand at a constant rate.

Introduction & Machine Specifications



Voltage/Frequency	110-120V / 50 Hz	220-240V / 50 Hz	220-240V / 50 Hz
Amperage	12.0	6.0	6.0
Sound Level	84 dB(A)	84 dB(A)	84 dB(A)
Vibration	7.4m/s ²	7.4m/s ²	7.4m/s ²
Abrasive Size	203x487mm sheet	203x487mm sheet	203x482mm sleeve
Abrasive Rate	680m/min	680m/min	720m/min
Drum Rate	1500 RPM	1500 RPM	1500 RPM
Dust Control Rate	30.2l/sec	30.2l/sec	30.2l/sec
Drum Pressure	11.4kg	11.4kg	11.4kg
Leveling Controls	Externally Adjustable	Externally Adjustable	Externally Adjustable
Operating Controls	Lever Operated	Lever Operated	Lever Operated
Motor	1.1KW TEFC Thermally Protected	1.1KW TEFC Thermally Protected	1.1KW TEFC Thermally Protected
Power Cable	12m 3x2.5mm ² Abrasion Resistant	12m 3x2.5mm ² Abrasion Resistant	12m 3x2.5mm ² Abrasion Resistant
Dimensions (mm)*	546x406x902	546x406x902	546x406x902
Weight *	58kg	58kg	58kg

*Shipping Value



CAUTION: Your equipment may be inappropriate on some installations. Always consult with the flooring manufacturer on the proper installation, preparation, and finishing of their product. Determine suitability of your equipment in preparing the product.

How to Transport the Machine

Transporting the Machine With Limited Cargo Area:

To transport the machine, follow this procedure:

1. Lower sanding drum with control lever. See figure 1.
2. Slide collar beyond overlap of control link; remove pin from notch. See figure 2.
3. Twist and remove handle pigtail from motor cord. See figure 3.
4. Release handle latches and remove handle from chassis. See figure 2.
5. Remove dust pipe from chassis.
6. Lift chassis with transport handles and place in cargo area. See figure 4.

⚠ WARNING: Machine is heavy (43.2kg). To avoid injury or damage grasp transport handles firmly; use proper lifting technique.

7. Secure chassis to prevent movement in cargo area. Place handle and dust pipe in cargo area.

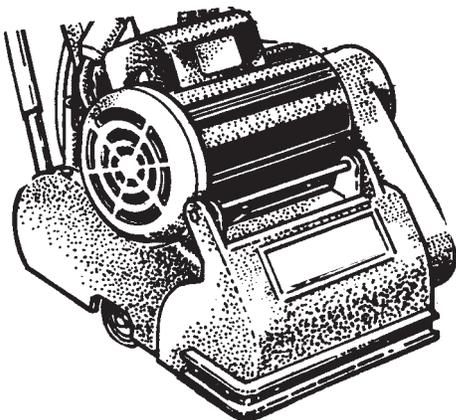


Figure 4



Figure 1

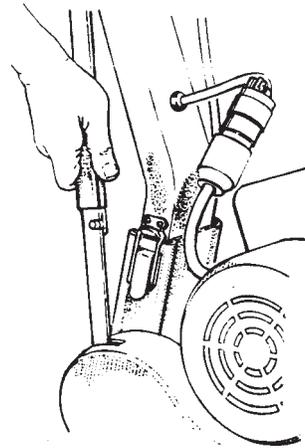


Figure 2

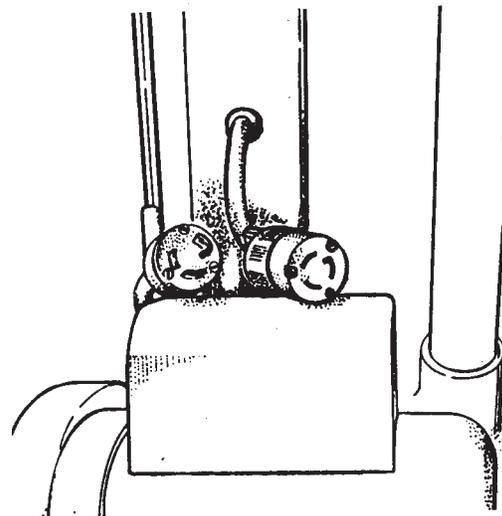


Figure 3

Machine Set-up

To set up the machine follow this procedure:

1. Familiarize yourself with the machine. Read all danger, warning, and caution statements as well as the Operator's Manual. If operator is unable to read English, have the manual explained before operating.
2. Install handle and fasten latches. See figure # 6.
3. Insert control link into notch and slide collar to pin. Raise sanding drum with control lever. See figure # 5 & # 6.
4. Install dust tube.
5. Connect the handle pigtail to the motor cord. Align ground pin, insert and twist. See figure # 7.
6. To install abrasive on sanding drum equipped with paper clamp: loosen screws to paper clamp with a coin. Do not remove screws or clamp from the sanding drum. Insert one edge of abrasive under paper clamp. Rotate sanding drum to wrap abrasive around drum. Insert other edge of abrasive under paper clamp. Center abrasive and take up any slack in the abrasive. Tighten screws on paper clamp. Close drum cover. See figure # 8.

To install abrasive on sanding drum equipped for sleeve abrasive: slide abrasive over drum, center abrasive, and close drum cover.

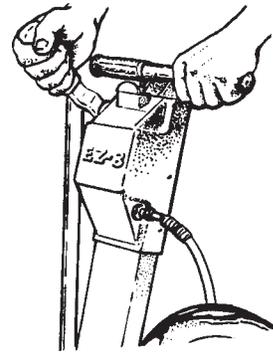


Figure # 5

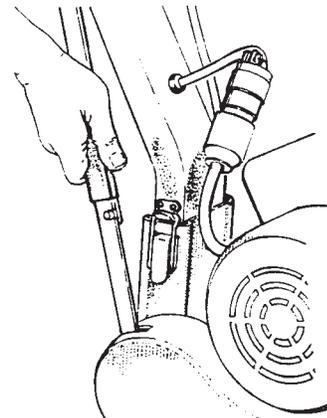


Figure # 6

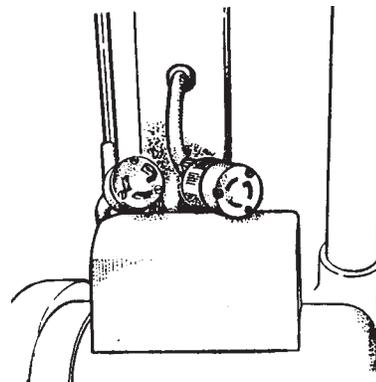


Figure # 7

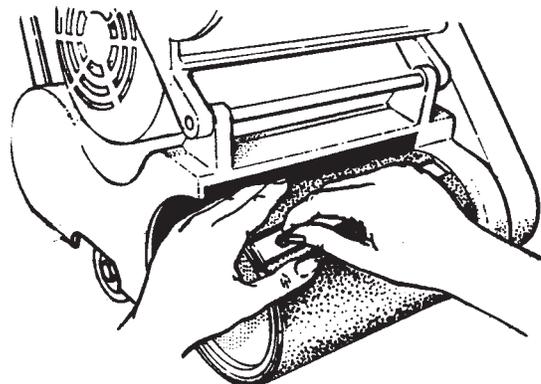


Figure # 8

MACHINE SET-UP

7. This sanding machine is designed to be operated with a remote vacuum dust collection system or with the included dust bag. Follow the procedures below:

Preparing Remote Vacuum Dust Collection Systems

To prepare the machine for remote vacuum dust collection systems that have a 2" hose end, follow this procedure:

1. Install 2" hose end (figure 9, A) directly over the exhaust tube (figure 9, B).
2. The exhaust tube can be rotated for optimum convenience.

To prepare the machine for remote vacuum dust collection systems that have a 1 ½" hose end, follow this procedure:

1. Install the 2" x 1½" hose end adaptor (Part No. 30563A) (figure 9, C) over the exhaust tube (figure 9, B).
2. Insert 1 ½" hose end (figure 9, D) into the adaptor (figure 9, C).

NOTE: Start the remote vacuum collection system before operation.

Preparing to use the included dust bag

To prepare the machine for use with the included dust bag, follow this procedure:

1. Install the dust bag by pressing the end onto the exhaust tube until the ring locks into the groove (figure 10). This is best done by pressing on the back of the bag opening with the palm of your hand.
2. The exhaust tube can be rotated for optimum convenience.
3. To remove the dust bag from the exhaust tube, pry up the end of the bag opening to partially release the internal rib from the groove, then pull.
4. To empty the dust bag, unzip the disposal flap and force contents out by inverting the bag.

NOTE: For best results, empty frequently. Follow all warnings posted in this manual and on the dust bag.

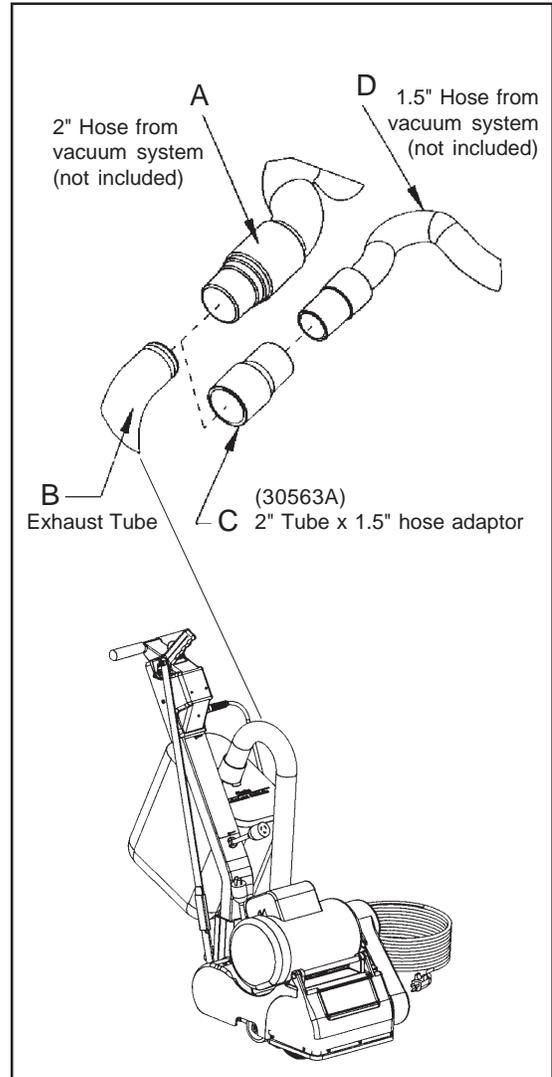


Figure 9

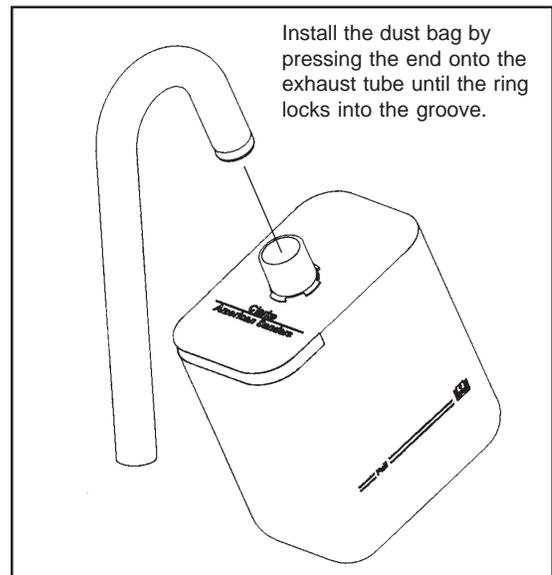


Figure 10

How to Operate the Machine

To operate the machine follow this procedure:

1. Set any exposed nails with a hammer and punch to avoid encounter with sanding drum. Connect the machine to an appropriate grounded and fused circuit (power supply). Press the selector switch to the start (S) position. Once started, allow switch to return to run (R) position.

CAUTION: To prevent damage to the surface, make sure the machine is always moving when the sanding drum is in contact with the floor.

2. Work right to left. For each forward pass, move the machine 4" over the pass you have just finished. Retrace your reverse path without overlapping. See figure # 11
3. Feather-cut in by easing the sanding drum down onto the surface with the control lever while the sander is in motion.
4. When sanding drum is fully engaged with the surface, release control lever and adjust your pace for adequate stock removal. Keep sander in motion while the sanding drum is engaged with the surface or dwell marks will occur.
5. Move the machine in the direction of the grain in the wood whenever possible. Sand the surface at a constant pace.
6. Gradually feather-cut out at the termination point (the end of your pass) by easing the sanding drum up with the control lever. Stagger the termination points for a better blend when edging. See figure # 11.
7. When replacing abrasive, emptying contents of dust bag, or when sanding operation is completed, press selector switch to off (O) position. Disconnect the machine from the power supply.
8. Empty dust bag whenever it is 1/3 full. Never leave a dust bag unattended with sanding dust in it. Sanding dust can spontaneously ignite and cause a fire or explosion. Empty dust into a metal container clear of any combustible material.

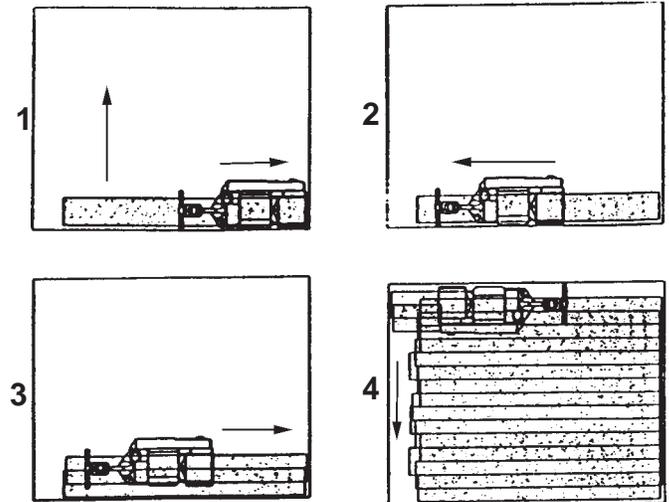


Figure 11

Sanding Cuts and Sandpaper

Initial Cut

The purpose of the initial cut is to remove old finish and gross imperfections on the floor surface. A coarse abrasive should be used. If the surface is severely damaged by deep scratches, pre-existing dwell marks, uneven planks, etc., it may be necessary to sand across or diagonally to the grain to restore evenness to the surface. If these conditions are not present, the initial cut should be done in the direction of the grain.

If glazing, loading, or burning takes place immediately into an initial cut, select a coarser abrasive. If this should occur during an initial cut, the abrasive has dulled and must be replaced.

Final Cuts

The purpose of a finishing cut is to remove the scratches produced during the initial cut. Use a fine (60 - 80 grit) grain abrasive.

If the surface remains rough after a finishing cut, it may be necessary to use an even finer grain of abrasive (80 - 100 grit). Care should be taken in selecting the grit size of the abrasive. A very fine grain will close the pores on a wood floor making admission of a stain difficult.

If glazing or burning should occur immediately into a finishing cut, increase pace. If it should occur during a finishing cut, the abrasive has dulled and must be replaced.

Grain	Use	8 x 18 ¹⁹ / ₃₂ Sheet Part No./ Cnt.	8x 19 Sleeve Cloth Back Part No./Cnt.	8 x 18 ⁵⁵ / ₆₄ Sleeve Paper Back Part No./Cnt.
12 grit 16 grit 20 grit 24 grit	For removing gross imperfections and restore evenness to old flooring. To remove build-up of paints and varnishes	945390/25 945391/25 945392/25 _____ —	_____ — _____ — _____ — 945930/10	_____ — _____ — _____ — 945416/10
36 grit 40 grit	For the first sanding of new flooring (maple, oak). For removing minor imperfections and finishes from old flooring.	945395/25 _____ —	_____ — 945933/10	_____ — 945418/10
50 grit	For first sanding of new flooring (cedar, pine, fir) For clean-up of 16 grit.	945397/25	_____ —	_____ —
60 grit	For clean-up from initial cut 36 grit.	945398/25	945935/10	945420/10
80 grit	For final sanding of certain hardwoods. For clean-up of initial cuts (50 grit).	945399/25	945936/10	945421/10
100 grit	For final sanding of certain hardwoods and conifers where a smooth surface is desired.	945400/25	945937/10	945422/10

Sander Adjustment Procedures

⚠ DANGER: Electrocutation could occur if maintenance and repairs are performed on a unit that is not properly disconnected from the power source. Disconnect the power supply before attempting any maintenance or service.

⚠ DANGER: Moving parts of this machine can cause serious injury and/or damage. Keep hands, feet and loose clothing away from all moving parts of the sander.

The following information provides details on how to adjust different features/controls of the sander.

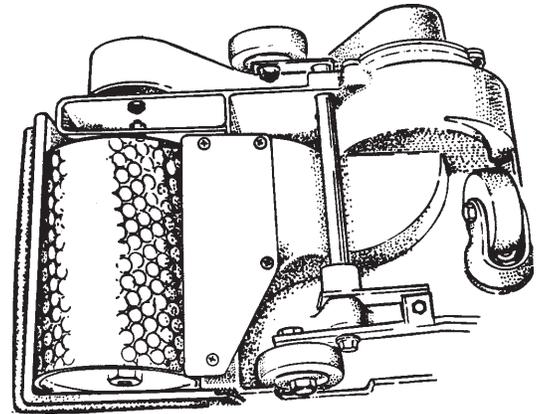


Figure 12

Dust Shoe

To adjust the dust shoe follow this procedure:

1. Disconnect machine from power supply.
2. Loosen the four screws fastening the dust shoe to the chassis.
3. Adjust the dust shoe towards the drum to improve recovery of fine particles.
4. Adjust the dust shoe away from the drum to improve recovery of coarse particles.
5. Align the dust shoe with the drum and tighten screws. See figure 12.

Leveling

To adjust the machine leveling follow this procedure:

1. Locate the leveling screw. See figure 13.
2. Tighten the screw (compress the leveling spring) to sand heavier on drive belt side of sanding drum.
3. Loosen the leveling screw (relax the leveling spring) to sand heavier on the side opposite the drive belts.

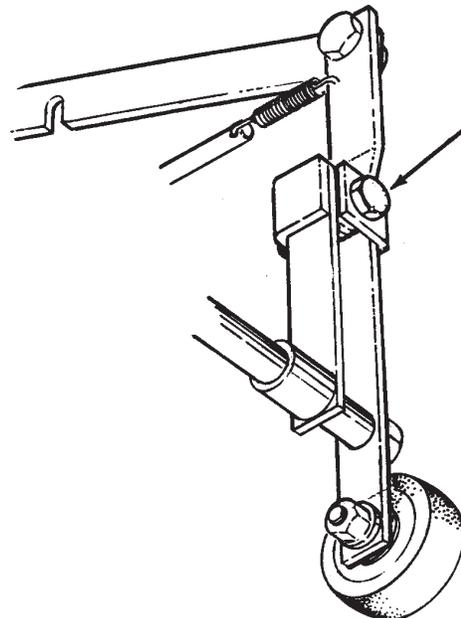


Figure 13

Routine Maintenance

The following items need to be periodically inspected and maintained to keep your sander in good working condition.

Sanding Chamber

Periodically blow out the sanding chamber to prevent large accumulations of debris which could interfere with the performance of the dust recovery system.

Wheels

Periodically remove the debris from the truck and caster wheels. Debris can cause waves on a sanded surface.

Dust Bag

Remove the dust bag from the machine and shake it thoroughly to remove the sanding dust from the dust bag. Turn the dust bag inside out and machine wash in cold water to prevent pore blockage and loss of dust recovery.

Drive Belt

Periodically check the drive belts for broken cogs or frayed edges. Frayed edges may indicate poor tracking. Realign effected belt.

Bearings

Periodically check the bearings for wear or damage according to the following schedule:

<i>Arbor shaft</i>	Relubricate every 150 hrs. w/.10 oz. of a NLGI grade 2, -30°F to 250°F, 58-75 SUS at 210° F, grease lubricant.
<i>Motor shaft</i>	after 1 st 5000 hrs.
<i>Fan shaft</i>	After first 1500 hrs.

Troubleshooting

Problem	Cause	Action
Drive belts jump teeth or squeak.	Damaged belt. Insufficient tension. Poor belt tracking.	Replace belt. Tension drive belt. Align Pulley.
Squealing, growling or grinding noise coming from machine.	Damage and/or worn bearing.	Remove drive belts, rotate arbor motor and fan shafts to locate dragging or rough bearing. Contact an authorized Clarke American Sanders dealer.
Dust pick-up is poor.	Dust bag is over 1/3 full. Dust bag is dirty. Dust shoe is improperly adjusted. Dust chute is obstructed.	Empty contents of bag. Shake debris from bag and wash. Readjust dust shoe. Remove dust shoe and clear throat.
Motor will not start.	Defective motor starter. Defective start capacitor. Defective start switch. Poor connections. Motor overload tripped. Defective motor. No power.	Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Check connections. Remove power. Depress reset button on motor Contact an authorized Clarke American Sanders dealer. Check power supply and connections.
Motor runs sluggishly.	Low voltage from excessive length, undersized extension cord, or poor connection. Defective run capacitor. Defective motor.	Locate power source nearer to work site. Check connections. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer.
Motor overload trips/repeatedly trips	Low voltage from excessive length, undersized extension cord, or poor connection. Excessive load. Defective start switch. Defective motor starter. Defective motor. Defective capacitor.	Remove power, allow motor to cool. Depress reset button on motor. Locate power source nearer to worksite. Check connections. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer.
Uneven cut.	Leveling out of adjustment.	Readjust leveling.
Burning or glazing.	Dull abrasive. Too fine of an abrasive.	Replace abrasive. Use a coarser abrasive.
Waves on sanded surface.	Debris on wheels. Flat spot on tire(s).	Remove and clean wheels. Replace tires.

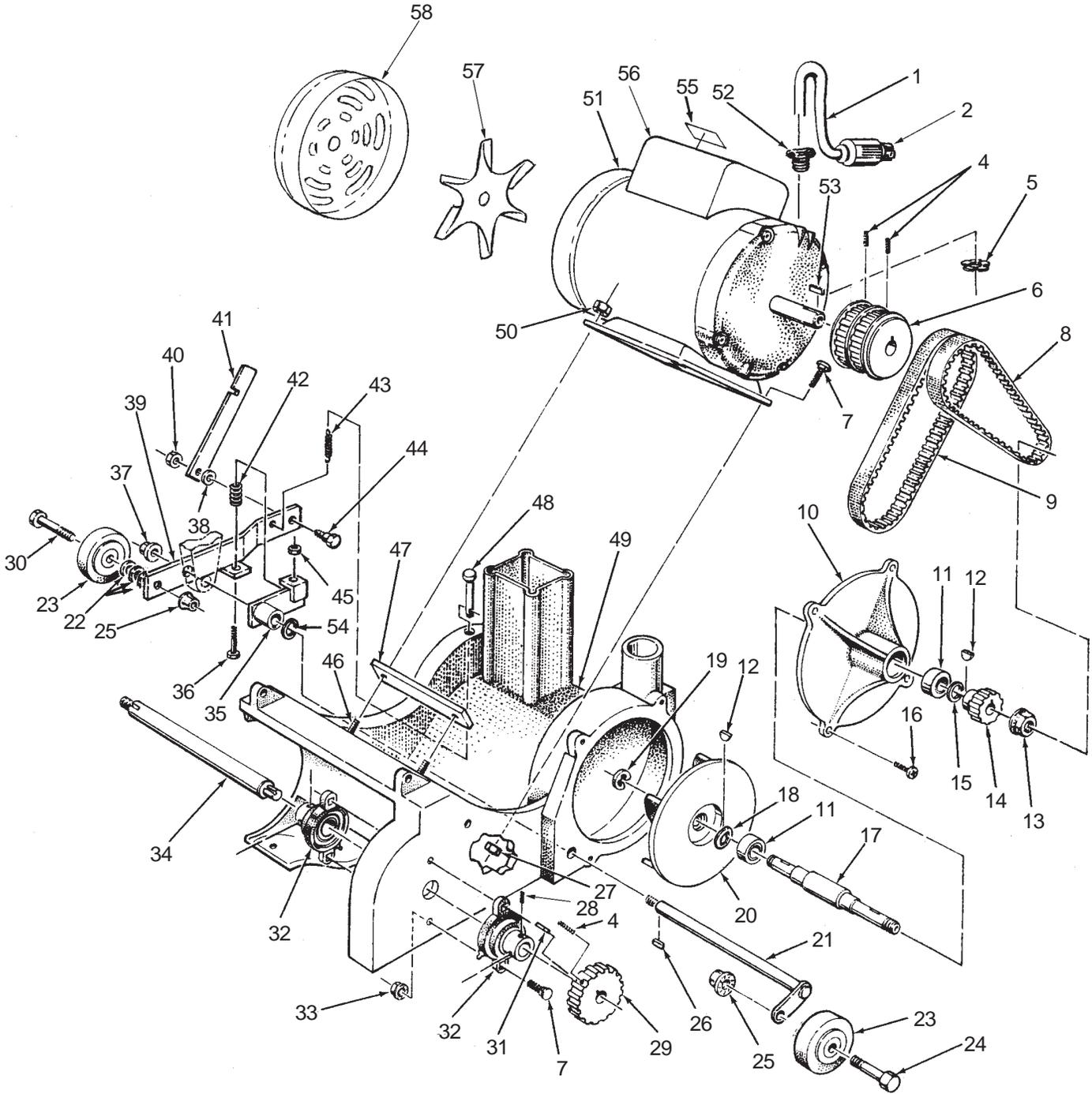
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EZ-8

Section II
Parts and Service Manual

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Clarke®
American Sanders
EZ-8 Sander
Assembly Drawing #1 11/01



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EZ-8 Sander
Assembly Drawing #1 7/03

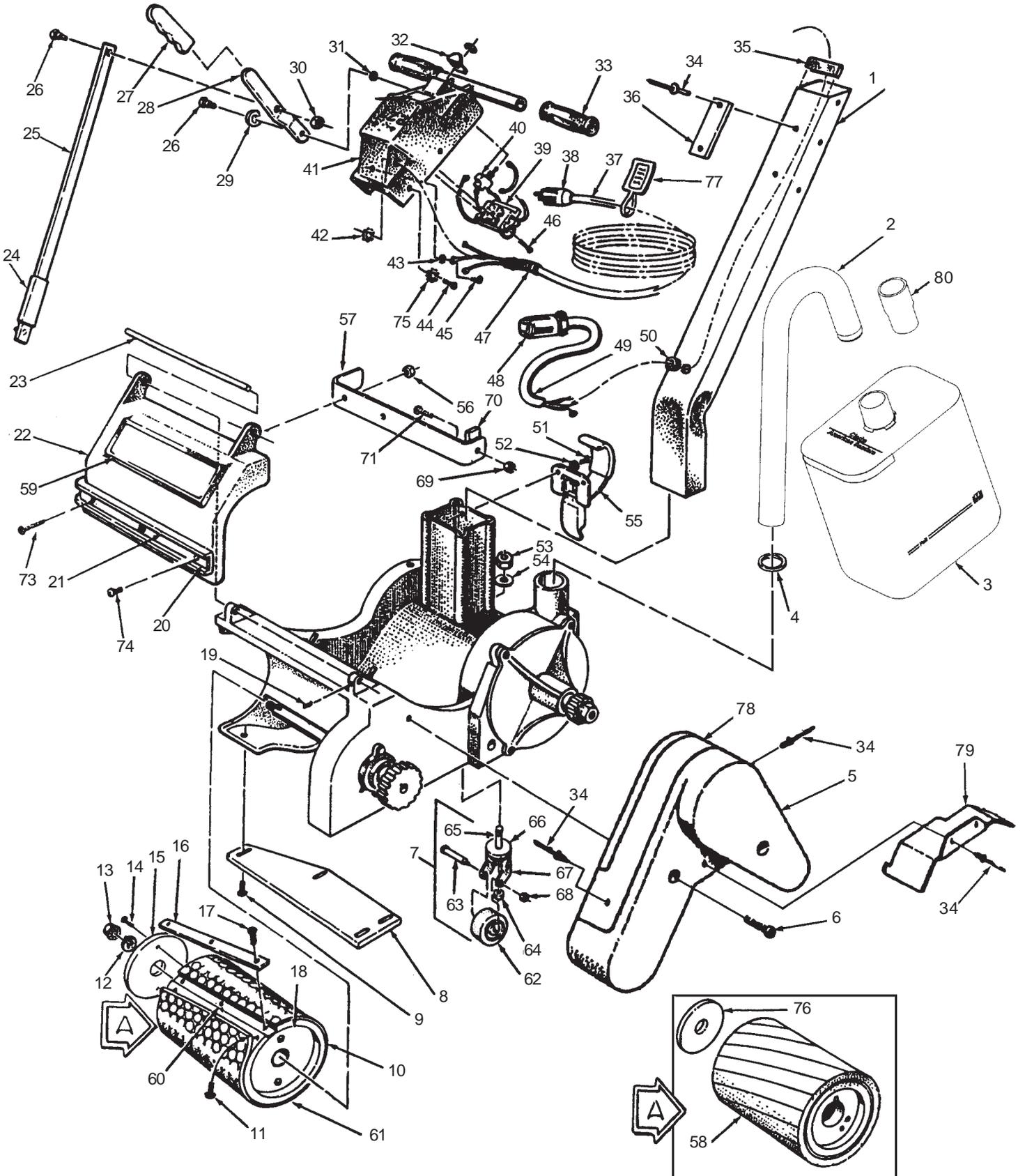
Ref. #	Part No.	Description	Qty
1	41970A	Cord, Motor	1
2	45602A	Plug	1
4	962831	Screw Set 10-32 x ⁵ / ₁₆	3
5	170686	Nut Conduit ¹ / ₂	1
6	61089A	Pulley, Fan/Drum	1
7	80027A	Screw ⁵ / ₁₆ -18x1 Sq. Neck	6
8	50917A	Belt, Fan	1
9	50916A	Belt, Drum	1
10	22122A	Cover, Fan	1
11	902567	Bearing	2
12	915561	Key, Hardened	2
13	920196	Nut ¹ / ₂ -13 Jam	1
14	66159A	Pulley, Fan	1
15	167312	Ring, Retaining	1
16	962798	Screw 10-24 x ¹ / ₂	3
17	67457A	Shaft, Fan	1
18	980681	Washer, Bowed	1
19	877307	Ring, Retaining	1
20	65005A	Impeller	1
21	60166A	Axle, Truck	1
22	980648	Spacer	3
23	59945A	Wheel	2
24	86113A	Screw ¹ / ₂ -13 x 2	1
25	920365	Nut ¹ / ₂ - 13 Nylock	2
26	80501A	Key ³ / ₁₆ X ¹ / ₄	1
27	81211A	Nut, Flanged ⁵ / ₁₆ -18	2
28	962689	Screw Set ¹ / ₄ -28 x ¹ / ₄	4
29	66161A	Pulley, Drum	1
30	86114A	Screw ¹ / ₂ -13 x 2 ¹ / ₂	1

Ref. #	Part No.	Description	Qty
31	915082	Key ³ / ₁₆ X ³ / ₁₆ X ³ / ₄	1
32	51178A	Bearing, Arbor	2
33	81211A	Nut, Flanged ⁵ / ₁₆ -18	4
34	67459A	Shaft, Arbor Clamp	1
35	60434A	Arm, Truck Level	1
36	85835A	Screw ¹ / ₄ -20x 2 ¹ / ₂	1
37	920196	Nut, ¹ / ₂ -13 Jam	1
38	980645	Washer ³ / ₈ SAE	2
39	60435A	Arm, Truck, Lift	1
40	920110	Nut ⁵ / ₁₆ -18 ESNA	1
41	65707A	Link Adjust	1
42	58698A	Spring, Truck Leveling 1	
43	58699A	Spring, Drum, Pressure	1
44	80026A	Bolt, Shoulder ³ / ₈ x ¹ / ₂	1
45	920284	Nut ¹ / ₄ ESNA	1
46	68015A	Stud	2
47	69031A	Spacer, Shim	1
48	82504A	Pin, Clevis ⁵ / ₁₆ x ³ / ₄	1
49	25903A	Frame, Main	1
50	81208A	Nut Flanged ⁵ / ₁₆ -24	2
51	44665A	Motor, 1.5Hp 115V/50Hz	1
	44648A	Motor, 1.5 Hp 230V/50Hz	1
52	170637	Relief, Strain	1
53	915580	Key ³ / ₁₆ X 1 ¹ / ₂	1
54	57423A	Ring, Retaining	1
55	77234A	Label, Lifting Warning	1
56	51095A	Cover, Capacitor	1
57	40545A	Fan	1
58	52465A	Cover, Fan	1

Motor Parts Not Illustrated

Motor 44648A		
Part No.	Description	Qty
41308A	Capacitor Run	1
41309A	Capacitor Start	1
47392A	Thermal Switch	1

Clarke®
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EZ-8 Sander
Assembly Drawing #2 2/07



Clarke
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EZ-8 Sander
Assembly Parts List #2 2/07

Ref. #	Part No.	Description	Qty
1	69106A	Tube, Handle	1
2◆	61897A	Tube, Dust	1
3◆	53741A	Bag, Dust	1
4	68285A	Support Tube	1
5	20010B	Guard, Belt	1
6	962988	Screw ¼-20 x 1¼	2
7	52125A	Caster Asm. Complete	1
8	67612A	Shoe, Dust	1
9	962826	Screw 10-24 x ¾	4
10	32364A	Cover, Drum	1
11	962823	Screw ¼-20x½	13
12	65310A	Key, Washer	1
13	920365	Nut ½ - 13 Nylock	3
14	85313C	Screw 6-32 x ¾	4
15	68613A	Plate, End	1
16	162007	Clamp, Paper	1
17	962733	Screw 12-24 x 1	3
18	ref.	Drum, Clamp Style	1
19	962170	Screw Set 10-24 x ¼	1
20	66948A	Retainer, Bumper	1
21	31223A	Bumper, Front	1
22	22123A	Cover, Front	1
23	64469A	Handle, Front	1
24	61659A	Collar	1
25	65706A	Link, Control	1
26	960952	Bolt, Shoulder ¾x¾	2
27	34609A	Grip, Lever	1
28	65618A	Lever, control	1
29	980022	Washer, Wave	1
30	920110	Nut ⅝-18 ESNA	1
31	980645	Washer ¾ SAE	2
32	63928A	Guard, Switch	1
33	34610A	Grip, Handle	2
34	930093	Rivet ⅛	6
35	97100A	Trim, Vinyl, Black	Ref
36	74052A	Plate Safety	1
37	42192A	Cord Set, Power 115V	1
	40517A	Cord Set, Power 230V	1
38	45609A	Plug	1
39	41807A	Contactor 115V	1
	41808A	Contactor 230V	1

NOTE: ◆ indicates a change has been made since the last publication of this manual.

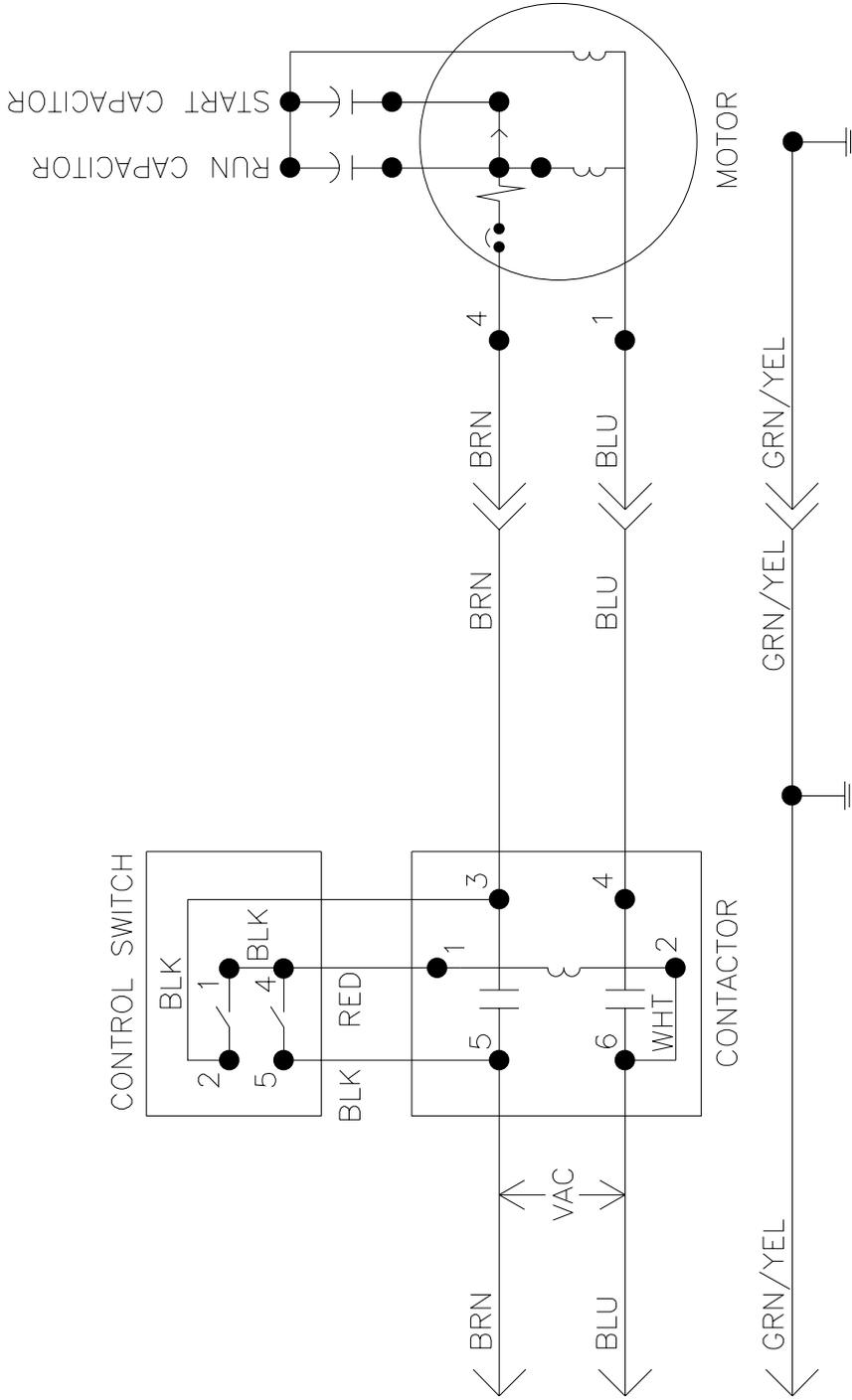
Accessories Available:

13509A- Three hole-paper clamp bar, packaged with three clamp screws

Ref. #	Part No.	Description	Qty
40	47387B	Switch, Control	1
41	24525A	Housing Control	1
42	81210A	Nut, Fixture ¾ PT	1
43	980675	Washer	1
44	962677	Screw 10-24 x ¾	6
45	962826	Screw 10-24 x ¾	1
46	962109	Screw 10-24 x ⅝	2
47	337504	Relief, Strain	1
48	41708A	Adapter L6-15R	1
49	41971A	Cord, Interconnect	1
50	51523A	Relief, Strain	1
51	962094	Screw ¼-20 x ¾	2
52	170892	Washer, ¼ Lock	2
53	920196	Nut, ½-13 Jam	1
54	980648	Washer ½	1
55	55711A	Latch	1
56*	920296	Nut, 10-24 ESNA	2
57*	69098A	Wear, Strip	1
58*	21011A	Drum Expansion	1
*	11115A	Reconditioned Expander Drum (includes #76)	1
59	70488A	Logo	1
60	65103A	Insert	3
61	13507A	Asm., Drum, Clamp includes 10, 18, 11, 14, 15, 16, 17, & 60	1
62	59960A	Wheel Caster	1
63	80012A	Bolt, Shoulder ⅝ x 1½	1
64	81307A	Nut, ⅞-14 Jam	1
65	67468A	Shaft, Caster	1
66	51194B	Bearing, Caster	2
67	29405A	Yoke, Caster	1
68	920284	Nut, ¼-20 ESNA	1
69*	81217A	Nut, ¼-20 x .218H Nylk.	2
70*	60906A	Block, Wear	2
71*	962505	Screw, ¼-20 x ½ Ft.	2
72*	77299A	Label, Caution	1
73*	85381A	Screw, 10-24 x ¾ PN-SB	2
74	85517A	Screw, 10-24 x ½ PN-SB	5
74*	85517A	Screw, 10-24 x ½ PN-SB	3
75	980603	Washer, #10 Lock Ext. Th.	1
76*	68651A	Plate, Drum End	2
77	70175A	Tag, Warning	1
78	50818A	Shield, Upper Belt	1
79	50817A	Shield, Lower Belt	1
80	30563A	Adapter, 2" to 1½"	1

*NOTE: Equipped on sleeve units only

Clarke
American Sanders
 EZ-8 Sander
 Wiring Diagram 11/95



CLARKE PRODUCT SUPPORT BRANCHES

U. S. A. Locations

PRODUCTION FACILITIES

Clarke®, Springdale, Arkansas
2100 Highway 265
Springdale, Arkansas 72764
(479) 750-1000
Customer Service - 1-800-253-0367
Technical Service - 1-800-356-7274

SERVICE FACILITIES

Clarke®, Elk Grove, Illinois 60007
2280 Elmhurst Road
(847) 956-7900

Clarke®, Denver, Colorado 80204
1955 West 13th Ave.
(303) 623-4367

Clarke®, Houston, Texas 77040
7215 North Gessner Road
713-937-7717

SERVICE AND SALES FACILITY

American Lincoln® / Clarke, Madison Heights,
Michigan 48071-0158
29815 John R.
(810) 544-6300

American Lincoln® / Clarke, Marietta, Georgia 30066
1455 Canton Road
(770) 973-5225

Clarke®

Clarke American Sanders

A.L. Cook

Customer Service Headquarters and Factory
2100 Highway 265
Springdale, Arkansas 72764
(479) 750-1000

Technical Service
1-800-356-7274

European Locations

PRODUCTION FACILITIES

ALTO Danmark A/S, Aalborg
Blytaekervej 2
DK-9000 Aalborg
+45 72 18 21 00

ALTO Danmark A/S, Hadsund
Industrikvarteret
DK-9560 Hadsund
+45 72 18 21 00

SALES SUBSIDIARIES

ALTO US - Canada, Ontario (Canada)
4080 B Sladeview Crescent Unit 1
Mississauga, Ontario L5L 5Y5
(905) 569 0266

ALTO Overseas Inc., Sydney (Australia)
1B/8 Resolution Drive
Caringbah NSW 2229
+61 2 9524 6122

ALTO Cleaning Systems Asia Pte Ltd., Singapore
No. 17 Link Road
Singapore 619034
+65 268 1006

ALTO Deutschland GmbH, Bellenberg (Germany)
Guido-Oberdorfer-Straße 2-8
89287 Bellenberg
+49 0180 5 37 37 37

ALTO Cleaning Systems (UK) Ltd., Penrith
Gilwilly Industrial Estate
Penrith
Cumbria CA11 9BN
+44 1768 868 995

ALTO France S.A. Strasbourg
B.P. 44, 4 Place d'Ostwald
F-67036 Strasbourg
Cedex 2
+33 3 8828 8400

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3370 AB Hardinxveld-Giessendam
The Netherlands
+31 184 677 200

ALTO Sverige AB, Molndal (Sweden)
Aminogatan 18
Box 4029
S-431 04 Molndal
+46 31 706 73 00

ALTO Norge A/S, Oslo (Norway)
Bjornerudveien 24
N-1266
+47 2275 1770

Clarke® American Sanders U. S. Warranty

This Clarke American Sanders Industrial/Commercial Product is warranted to be free from defects in materials and workmanship under normal use and service for a period of one year from the date of purchase, when operated and maintained in accordance with Clarke American Sanders' Maintenance and Operations Instructions.

This warranty is extended only to the original purchaser for use of the product. It does not cover normal wear parts such as electrical cable or V-belts.

If difficulty develops with the product, you should:

- (a). Contact the nearest authorized Clarke American Sanders repair location or contact the ALTO Service Operations Department, 2100 Highway 265, Springdale, Arkansas 72764, for the nearest authorized Clarke American Sanders repair location. Only these locations are authorized to make repairs to the product under this warranty.
- (b). Return the product to the nearest Clarke American Sanders repair location. Transportation charges to and from the repair location must be prepaid by the purchaser.
- (c). Clarke American Sanders will repair the product and or replace any defective parts without charge within a reasonable time after receipt of the product.

Clarke American Sanders' liability under this warranty is limited to repair of the product and/or replacement of parts and is given to purchaser in lieu of all other remedies, including INCIDENTAL AND CONSEQUENTIAL DAMAGES.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SPECIFIED HEREIN. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. NO WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTY OF MECHANABILITY, SHALL BE IMPLIED. A warranty registration card is provided with your Clarke American Sanders product. Return the card to assist Clarke American Sanders in providing the performance you expect from your new floor machine.

Clarke, 2100 Highway 265, Springdale, Arkansas 72764.

Clarke American Sanders reserves the right to make changes or improvements to its machine without notice.

Always use genuine Clarke American Sanders Parts for repair.

Clarke®

American Sanders

**2100 Highway 265
Springdale, Arkansas, 72764**