Original Saw Company
465 Third Ave SE
Britt, IA 50423 USA

PH 641-843-3868

Getting Started

Unpacking, general machine precautions, wiring, installation

Operations & Maintenance Manual

WARNING: FOR YOUR SAFETY READ AND UNDERSTAND THIS MANUAL PRIOR TO USING THE SAW. REVIEW ALL SAFETY RULES AND OPERATING INSTRUCTIONS FREQUENTLY.

This manual is provided for your convenience in the use and care of your saw. These instructions include operation, precautions, preventative maintenance and other pertinent data to assist you in assuring long life and dependable service from your saw.

Horizontal Beam Saw

TYPE 3

16” models	**3691-01-03**
20” models	**3691-01-05**
22.5” models	**3691-01-07**

For Serial number 20230350092 forward

(May 2023)

Made in USA

Date	Service Performed	By

Serial Nu

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Industrial Use Warranty Information

Your new Original Radial Arm Saw is precision manufactured under strict quality standards. In the unlikely event there is trouble with your machine, the Original Saw Company warrants the machine for the period of one year from the date of purchase. The warranty covers defects in materials and workmanship. We will cover the cost of the defective part and ground shipping. If a replacement part is sent under warranty the defective part must be returned to Original Saw Company or you will be charged for the replacement. The part must also be accompanied by a return goods authorization number. This number can be obtained by calling customer service at 1-800-733-4063. When the part is returned it may be repaired or replaced at our discretion. The part must be shipped prepaid to: The Original Saw Company, Attn. Warranty Replacement Counter, 465 Third Avenue SE, Britt, Iowa 50423.

POWER TOOL SAFETY

GENERAL RULES FOR SAFE OPERATION OF POWER TOOLS

1. **KNOW YOUR POWER TOOL**. Read the owner's manual carefully. Learn the applications and limitations as well as the specific potential hazards of the tool.
2. **GROUND ALL TOOLS**.
3. **KEEP GUARDS IN PLACE**. Keep guards in working order.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENTS.** Don't use power tools in damp or wet locations. Keep work area well lit.
6. **KEEP CHILDREN AWAY.** All visitors should keep a safe distance from the work area.
7. **DON'T FORCE TOOL.** The tool will do a better job if used at its designed rate.
8. **WEAR PROPER APPAREL.** Loose clothing, gloves or jewelry may get caught in moving parts. Rubber footwear is recommended when working outdoors.
9. **USE PROTECTIVE GLASSES.** If operation is dusty also wear a dust mask.
10. **DON'T OVER REACH.** Keep proper balance and footing at all times.
11. **MAINTAIN TOOLS WITH CARE.** Tools kept sharp and clean provide the best and safest performance. Follow instructions for lubricating and changing accessories.
12. **DISCONNECT TOOLS FROM POWER SOURCE.** When not in use, before servicing, when changing accessories, blades, or cutters, the tool should be disconnected and locked out.
13. **REMOVE ADJUSTING KEYS AND WRENCHES.** Make it a habit to ensure keys and adjusting wrenches are removed prior to starting tool.
14. **USE RECOMMENDED ACCESSORIES.** Consult your distributor or Original Saw Company for recommended accessories. Using improper accessories may cause hazards.
15. **SECURE YOUR WORK.** Use clamps or a vise to hold work when practical.
16. **NEVER LEAVE TOOL RUNNING WHILE UNATTENDED.**
17. **ONE OPERATOR ONLY.** The person who operates the saw should also position the work.
18. **DO NOT REMOVE SMALL SCRAPS FROM THE TABLE WITH YOUR FINGERS.**

CAUTION

NOTE:

This manual is not totally comprehensive. It does not and cannot cover every possible safety and operational factor

Modifications:

- • Any modifications to the machine including incorporation into an assembly, addition of integrated feeds or other changes are the responsibility of the end user and the end user must ensure ongoing compliance.

Additional Safety Actions to be Take by End User

- • Lock out Tag out procedures to be adopted during all maintenance.
- • Lock out Tag out procedures to be observed when changing blade

Functional Testing

- • Braked run down times test—tested monthly

  (30 second brake run down)

Instructions for Use:

- • Always observe the safety instructions and applicable regulations.
- • Ensure the material to be sawn is firmly secured in place.
- • Apply only a gentle pressure to the tool and do not exert side pressure on the saw blade.
- • Avoid overloading.
- • Install the appropriate saw blade.
- • Do not use excessively worn blades.
- • The maximum rotation speed of the tool must not exceed that of the saw blade.
- • Do not attempt to cut excessively small pieces.
- • Allow the blade to cut freely. Do not force.
- • Allow the motor to reach full speed before cutting.

Preventative Maintenance

Original Radial Arm Saws are designed to provide you with precision cutting with a minimal amount of maintenance. The frequency of the maintenance depends on the amount of use and the desired cutting quality.

Always disconnect and lockout power supply before performing maintenance.

Daily

- • Wipe down the machined tracks in the arm, this will prevent wood pitch buildup on the machined surfaces
- • Dust off and remove excess saw dust

Monthly

- • Repeat daily tasks but use denatured alcohol or paint thinner to wipe down tracks
- • Remove arbor nut, collars, and saw blade. Inspect the saw blade teeth for sharpness and broken tips. Replace or re-sharpen as necessary
- • Remove end cap and remove carriage and rest on the table (do not remove wiring) then wipe off the bearings with denatured alcohol or paint thinner to remove all wood pitch buildup, DO NOT lubricate the tracks this will case premature track wear due to sawdust sticking to the tracks.
- • Inspect arbor, are the arbor bearings still tight and free of play? If not then they will need to be replaced by a technician or at a electric motor shop.
- • Inspect all wiring to check for cracks, replace if worn or cracked.
- • Using compress air blow out the cooling ducts in the motor by blowing through from the arbor side of the motor to the back o the motor, (use Personal Protection equipment ie

MANTAINENANCE RECORDS

Preventative Maintenance … Continued

- • After many years of use your saw may need replacement parts. If any of the following wears out all others listed should be checked also.

- • Roller head bearings: Check for free, smooth rotation. Do not attempt to lubricate.

- • Arm Tracks: If the saw is used primarily for short cut-offs, the tracks may wear making it difficult to adjust the roller head bearing for full length arm travel. Arms can generally be re-machined—contact Original Saw for pricing and shipping instructions.

- • Motor bearings: Check for free, smooth rotation. Do not attempt to lubricate.

Use this space to record service or use page 2 for a more detailed recording for your Original radial arm saw.

SYMBOLS / DECALS

1.		Denotes risk of injury, loss of life, or damage to the tool in case of not observing the instructions in this
2.		Denotes risk of electrical shock.
3.		Denotes risk of pinching hazard.
4.		Denotes hazard of rotating blade.
5.		Denotes hazard of entangle-ment.

6.		Denotes hearing and eye protection required.
7.		Denotes guards required to be in place.
8.		Denotes general safety hazard. See operators manual for more information pertaining to these areas.
9.		Denotes lift point.

Always replace damaged, missing, or illegible decals.

Contact Original Saw at 641.843.3868 for replacement parts.

SYMBOLS / DECALS

Caution

3 denotes a pinch point between bevel stop and roller head

5 denotes hand entanglement

Beam:

- #8 denotes general caution safety hazards
- #7 denotes guards required to be in place
- #6 denotes eye and hearing protection required.

Caution

E-stop yellow Surround

Guard:

Index # 4 Hazzard Rotating blade

6 Hearing and eye protection

7 Guards required to be in place

- rotation direction
- use blades rated at 3600 rpm

Frame:

Index # 9 Denotes lift point

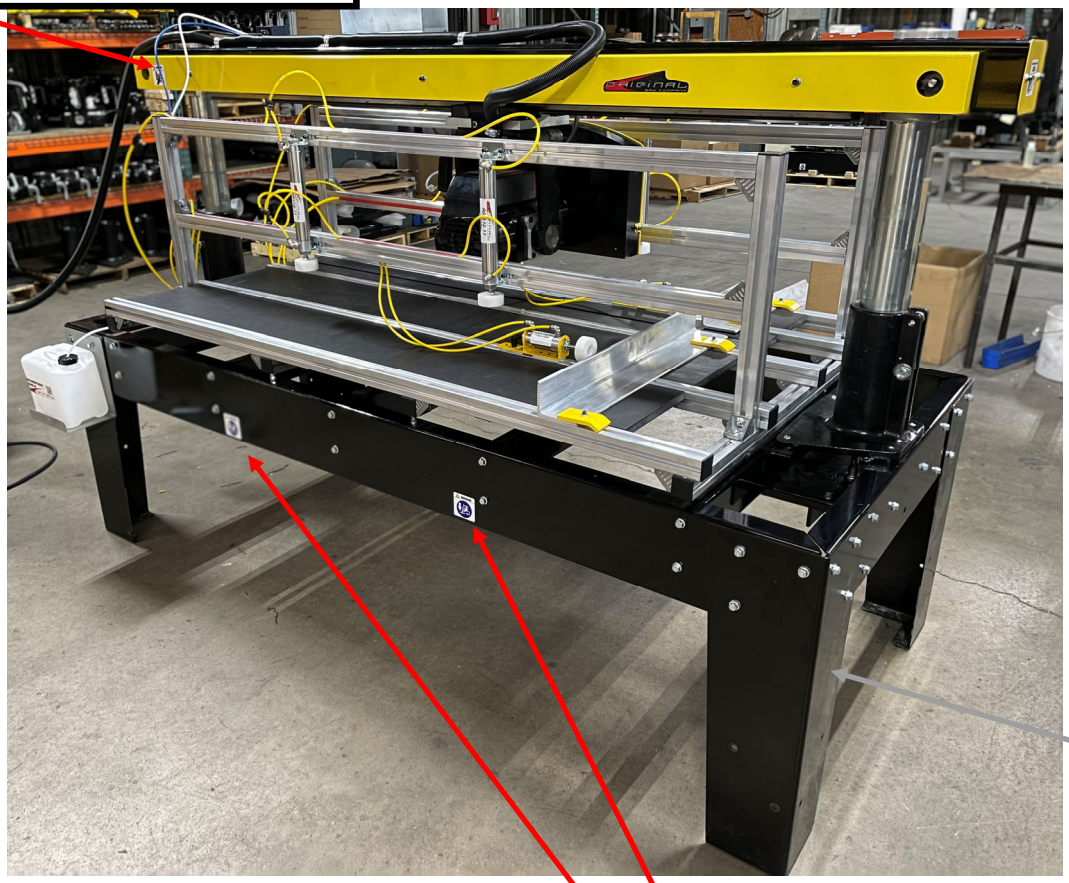
Note there are 2 on front of frame

ORIGINAL SAW COMPANY™

SYMBOLS / DECALS

Caution

5 denotes hand entanglement .



Frame:

Index # 9 Denotes lift point

Note there are 2 on front of frame

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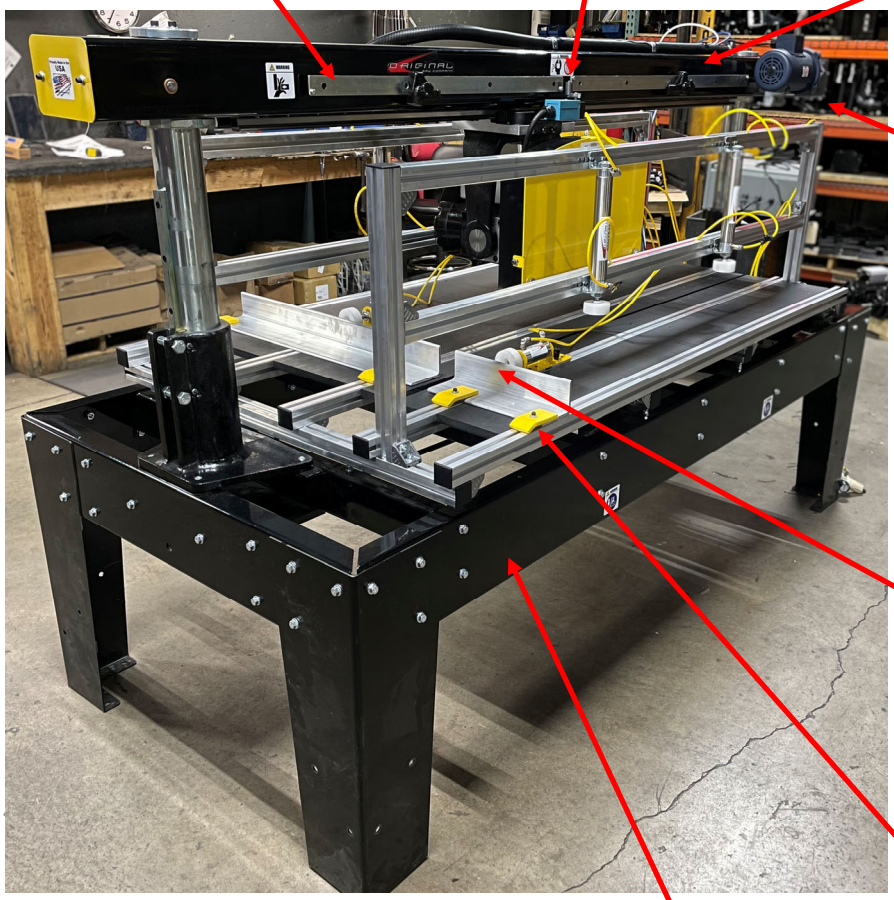
Components and Controls

Power feed cam track rails and rear stop.—to control length of cross cut travel

Limit switch –power feed system

Power feed cam track rails and front stop.—to control length of cross cut travel



Power feed drive motor and gearbox assembly.

Fence—for material being cut to be placed against

Fence clamps—to allow for fence to be moved or repositioned.

Frame: machine frame and legs

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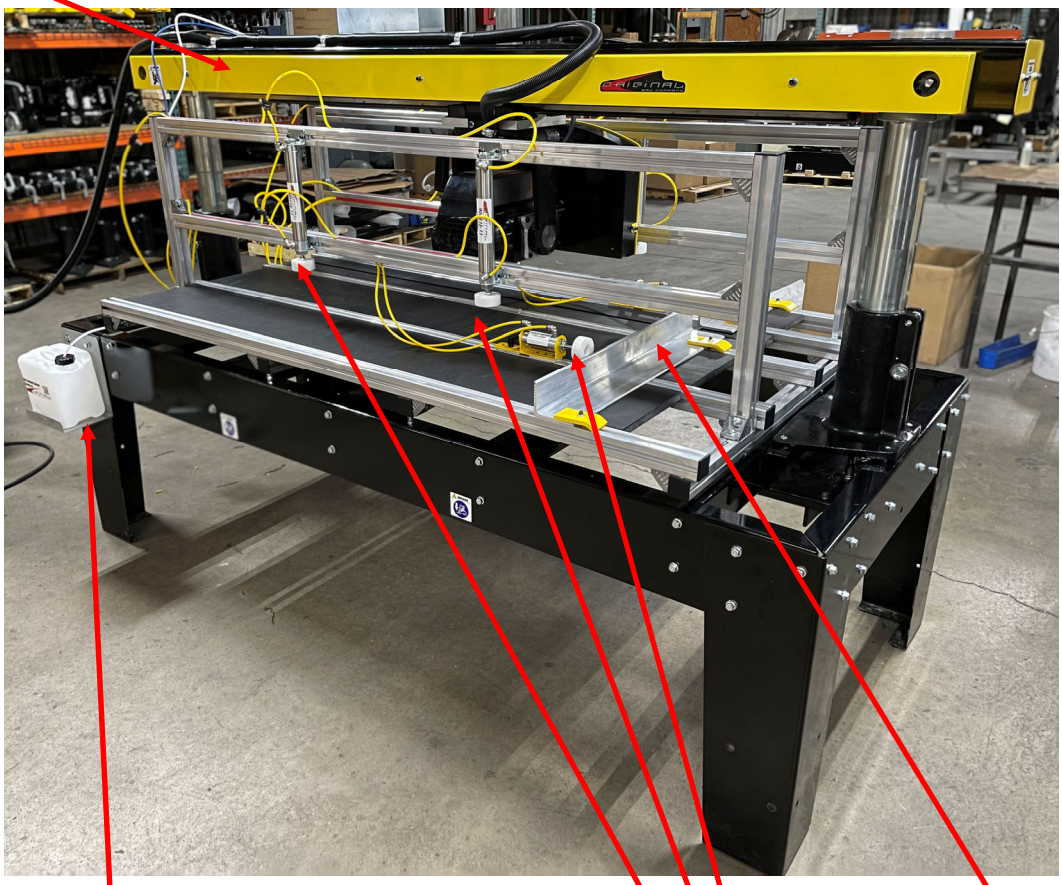
Components and Controls

Chain Guard for carriage drive chain



Fence—for material being cut to be placed against

Mist coolant tank

Pneumatic clamping cylinders

SAW ASSEMBLY AND INSTALLATION

Check Arbor Rotation (3 Phase Only)

Check arbor rotation with arbor nut and arbor collars removed. Open line disconnect to the saw to remove arbor nut and collars, close the line disconnect and start saw. The rotation of the arbor must be clockwise as indicated on the arrow on the nameplate. If the rotation is counterclockwise, the incoming wires are not properly connected to the switch box. To change the direction reverse any two of the wires leading to the switch box from the power supply.

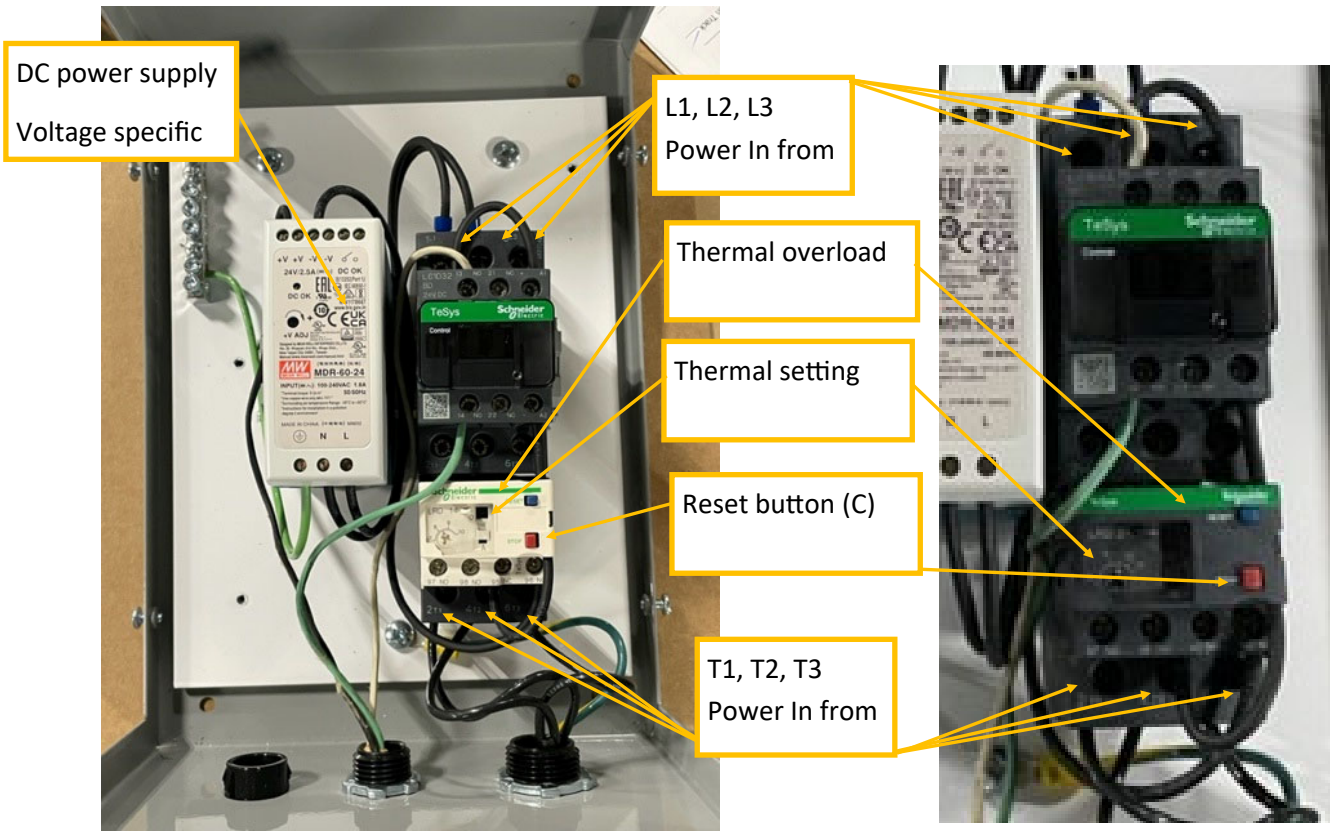
Changing Voltage on dual voltage motors and Resetting Thermal Protection

Dual voltage motors can be operated on either of the two voltages indicated on the motor nameplate. The voltage setting from the factory can be found on the tag attached to the guard stud. Note Ty3 and newer models have DC power supplies that are voltage specific. To change the voltage:

1. Change the motor lead connections as shown on the diagram on the inside cover of the motor conduit box. This is also found on page 29-30 in this manual. Disconnect and lockout the power supply before attempting voltage change.
2. Change the DC power supply to the proper input voltage Note: power supplies are voltage specific and cannot be adjusted from 230 volt to 460 volt primary voltage. This is also found on pages 24-25 of the parts manual.
3. Replace or adjust the thermal overload protectors (D) using dial (A), see figures below) with those rated at the desired amperage range. If the overloads trip you will need to press reset button (C) to resume operation or set the thermal for auto-reset.
4. Contact your dealer or customer service via phone at 800-733-4063 or email at customerservice@originalsaw.com for correct information on thermal overload protectors.

Overload Protection

Your saw is equipped with automatic reset thermal overload protection. To restart after thermals have tripped, wait until the motor cools, then press the saw start button. If overloads continue to trip, the machine is being overloaded. Do not continue to operate under these conditions. This could indicate an electrical problem take the time to find the trouble and correct it—see the electrical trouble shooting section of this manual. The main power supply branch circuits should be fused by the use of fuses or breakers as follows using time delay fuses:



SAW ASSEMBLY AND INSTALLATION

Saws equipped with Variable Frequency Drives and power feed unit

Connecting Electrical Current

The motor is properly connected to the VFD at the factory for operation on the electrical voltage specified. Make sure incoming voltage from your power supply conforms to the voltage specified on the cover of VFD enclosure.

Open the power feed / VFD enclosure cover and insert power supply cable (customer supplied hole). Connect wires to the terminal strip marked "incoming power" 3 phase; Attach the ground wire to the ground lug inside enclosure. Do not attach any wire anywhere else in the enclosure. Wiring must conform to the National Electrical Code and any applicable local codes.

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Electrical Connection—

Recommend Copper Wire Sizes (A.W.G.)

To obtain maximum efficiency from your saw motor, the feeder wire from the power source to the machine should comply with the table below.

Recommended Copper Wire Sizes

	1 Phase	3 Phase	3 Phase	3 Phase
Up to 60' from power supply	**200-240 V**	**200-240 V**	**440-480 V**	**550-600 V**
3 hp	#8 AWG	#8 AWG	#10 AWG	#10 AWG
5 hp	#6 AWG	#8 AWG	#10 AWG	#12 AWG
7.5 hp	N/A	#6 AWG	#8 AWG	#10 AWG

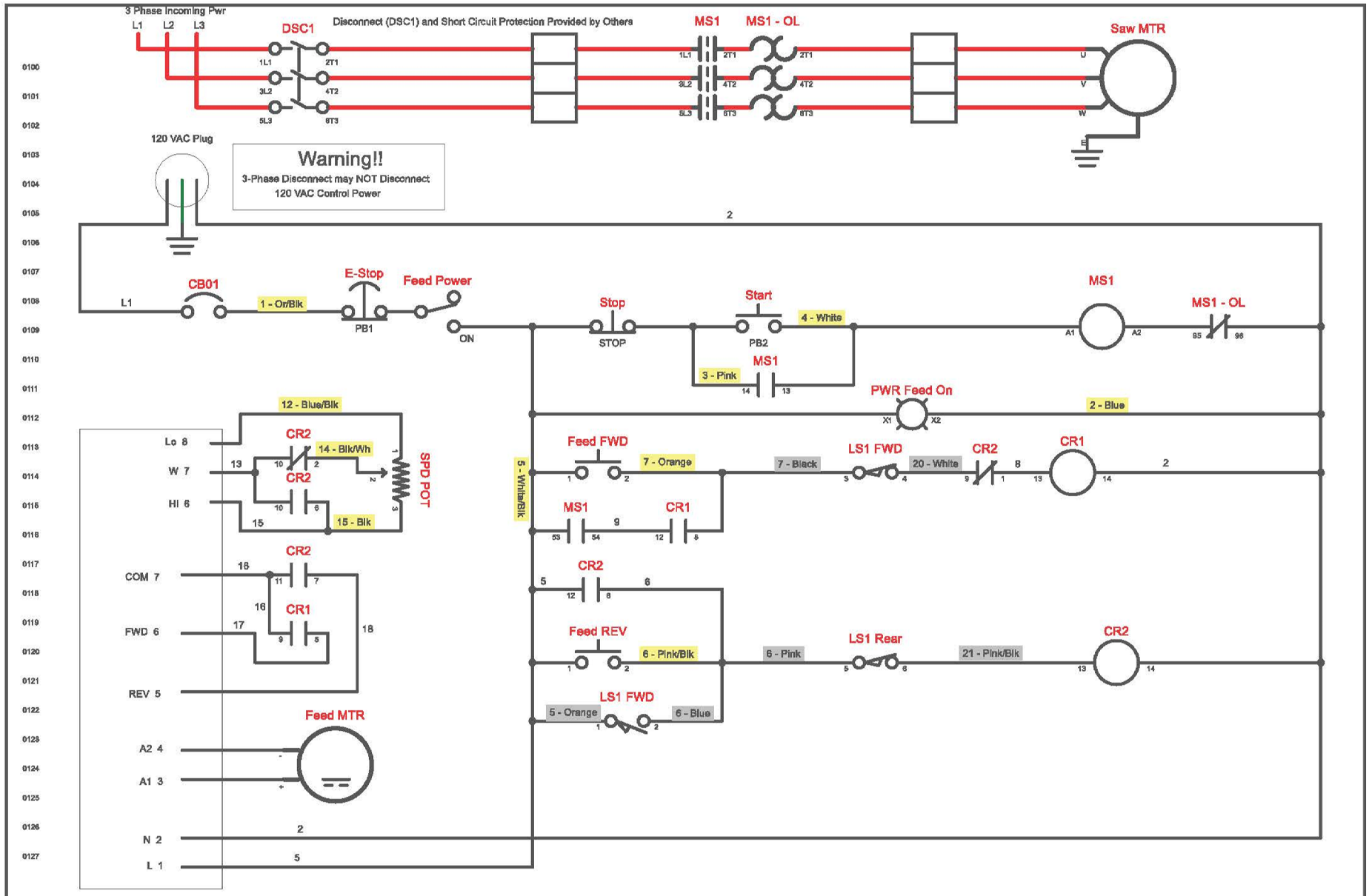
60 - 100' From power supply	**200-240 V**	**200-240 V**	**440-480 V**	**550-600 V**
3 hp	#6 AWG	#6 AWG	#8 AWG	#10 AWG
5 hp	#2 AWG	#6 AWG	#6 AWG	#8 AWG
7.5 hp	N/A	#4 AWG	#6 AWG	#6 AWG

100 - 160' From power supply	**200-240 V**	**200-240 V**	**440-480 V**	**550-600 V**
3 hp	#4 AWG	#4 AWG	#6 AWG	#8 AWG
5 hp	#0 AWG	#2 AWG	#6 AWG	#6 AWG
7.5 hp	N/A	#2 AWG	#4 AWG	#6 AWG

Over 160' From power supply	**200-240 V**	**200-240 V**	**440-480 V**	**550-600 V**
3 hp	#2 AWG	#2 AWG	#4 AWG	#4 AWG
5 hp	#00 AWG	#2 AWG	#2 AWG	#4 AWG
7.5 hp	N/A	#0 AWG	#2 AWG	#2 AWG

Recommended Fuse / Breaker Size

(Located in the disconnect enclosure)	1 Phase	3 Phase	3 Phase	3 Phase
	200-240 V	**200-240 V**	**440-480 V**	**550-600 V**
3 hp	60 AMP	20 AMP	20 AMP	20 AMP
5 hp	90 AMP	30 AMP	20 AMP	20 AMP
7.5 hp	N/A	45 AMP	20 AMP	20 AMP



Rev.	Date	Description	Appd. by	Status
A				Open

Prj: Power Feed

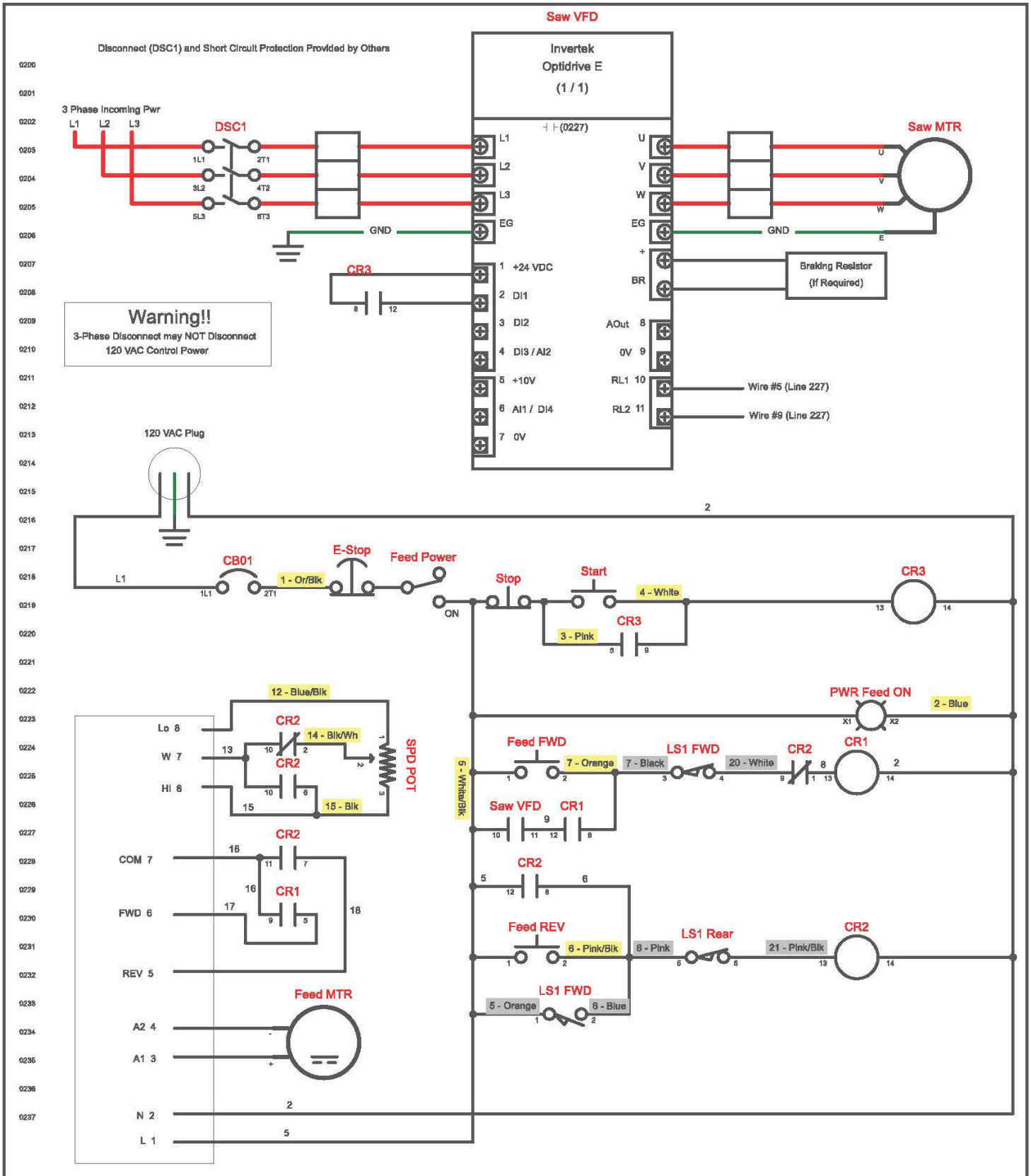
Sheet nb. 1 of 5

Prj nb:

Desg. by:

Title: Power Feed Wiring (Fuses)

Original Saw Company
465 Third Ave SE
Britt, Iowa 50423
customerservice@originalsaw.com
800/733-4063 641/843-3868



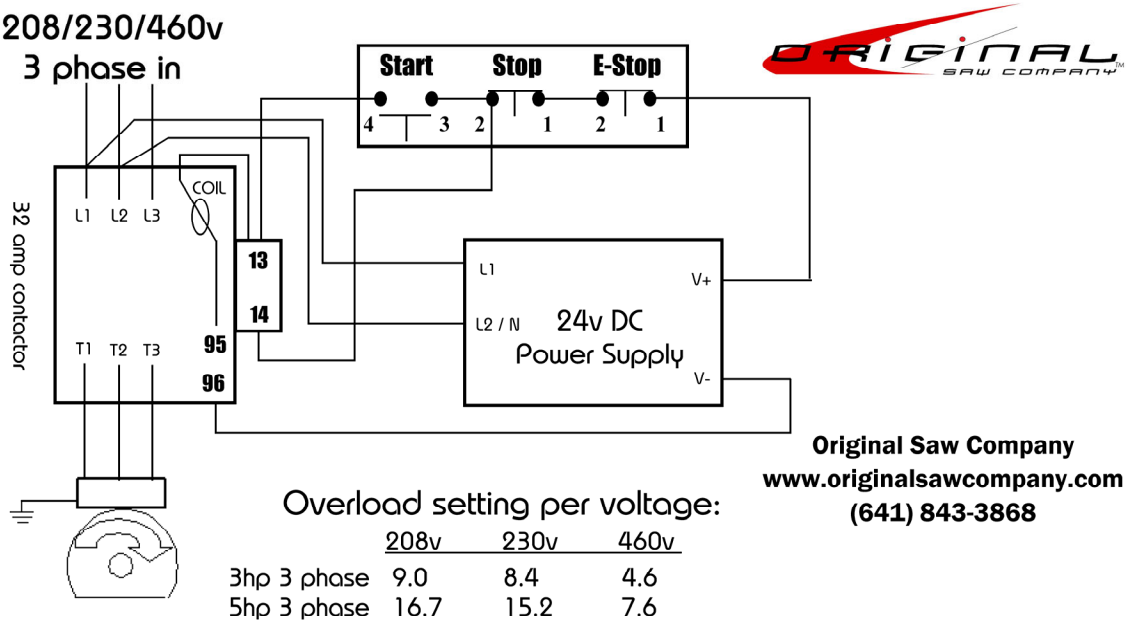
Rev.	Date	Description	Appd. by	Status
A				Open

Prj: Power Feed	Sheet nb. 2 of 5
Prj nb:	Desg. by:
Title: Power Feed Wiring VFD (Fuses)	

Original Saw Company
465 Third Ave SE
Britt, Iowa 50423
customerservice@originalsaw.com
800/733-4063 641/843-3868

Changing the Motor Voltage

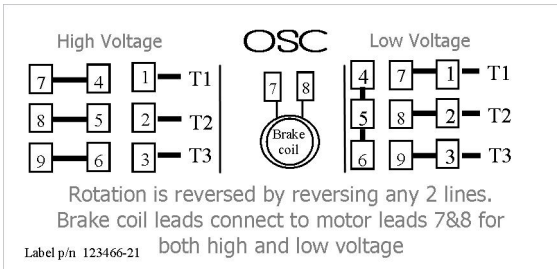
If your machine requires a different voltage, follow the instructions below. The motor will need to be rewired according to the diagrams below. The thermal overloads must be reset or replaced with the proper pieces to maintain thermal motor protection.



Overload setting per voltage:

	208v	230v	460v
3hp 3 phase	9.0	8.4	4.6
5hp 3 phase	16.7	15.2	7.6
7hp 3 phase	24.2	22.0	11.0

Motor lead wiring diagram



instructions for Changing the Motor Voltage

1) **Disconnect and lockout power**– Electrical shock could occur if this is not done.
2) Reconnect motor and transformer leads as shown in the chart above to match your required voltage. Paying careful attention to make sure the brake coil lines are still attached to motor leads #7 and #8.
3) Reset the dial for the proper amperage setting shown in the chart above. If your

SAW ASSEMBLY AND INSTALLATION

!Caution disconnect / lock out power source before mounting blade!

!!! CAUTION !!!

FOR ILLUSTRATION PURPOSES ONLY , THE GUARDS HAVE BEEN REMOVED FOR THE PHOTOS USED IN THIS MANUAL. IN ACTUAL USE BOTH UPPER AND LOWER GUARDS MUST REMAIN IN PLACE FOR SAFE CUTTING

Mounting the Blade (Caution! Disconnect power source before mounting blade)

1. Place the hex box wrench over the arbor nut and place the long allen wrench in the arbor shaft end hole. Place a wood striking block under the allen wrench to avoid marring the tabletop. Push down on the hex wrench to loosen nut (left hand thread). (See figure 2)
2. Remove the nut and first arbor collar. Wipe the arbor collar faces and mounting area on the blade.

FIGURE 1

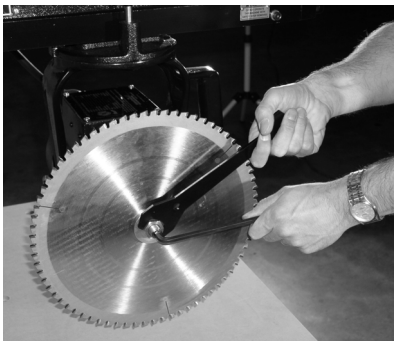
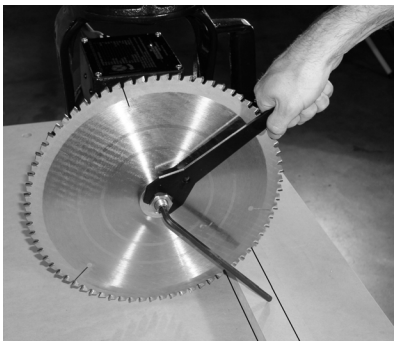


FIGURE 2



Guard Mounting note guard is installed when machine is shipped

(Caution! Disconnect/lockout power source before mounting guard)

See parts listing and diagram on page 26

1. Remove the 1/4”x 20 Hex nut from the right front lower guard mounting stud and remove the retainer washer.
2. Remove the right lower guard by sliding it backward and down.
3. Place the guard over the blade, tilting the guard to the right so the HDPE lower guard sections clears the end of the arbor.

Adjusting the Saw Guard

The guard can be pivoted by loosening the (2) nuts on back of guard mounting bracket . **CAUTION—DO NOT ADJUST THE GUARD, OR ANTI-KICKBACK WHILE BLADE IS MOVING. KEEP ALL ADJUSTING MECHANISMS TIGHT.**

Operating Instructions

General Safety Precautions

1. Be sure the blade rotates clockwise when facing the saw from the left side. Blade must rotate to the front of the saw.
2. Be sure all clamp handles are tight before turning motor on.
3. Keep the blade sharp and properly set.
4. Hold material firmly against the guide strip when cutting.
5. Be sure the blade and arbor collars are clean and the recessed side of the collars are against blade.
6. Never oil or grease arm trackways or motor.
7. Do not start machine without proper tool guard.
8. Keep motor air slots clean.
9. Return roller head to full rear after each operation.

General Cautions When Using the Lower Blade Guard:

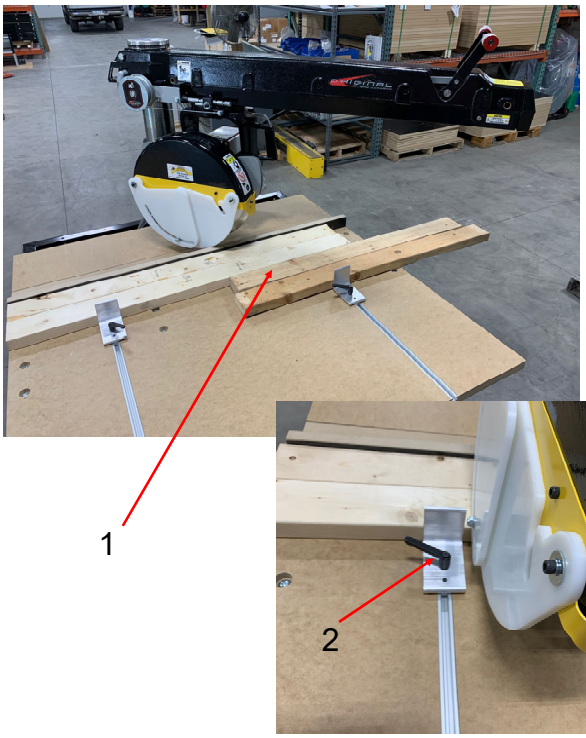
1. The lower blade guard will provide protection from contact with the side of the blade. It is not designed to prevent contact with the front or rear of the blade. When the lower guard contacts the fence or material being cut it will rise up exposing the blade. Be careful to keep your hands out of the line of the cut.
2. Lower blade guards may become caught in prior kerfs in the fence or table. Replace guide fence frequently. If guard becomes caught stop saw before attempting to remove.
3. Short cut-off pieces of wood may become caught between the lower guard and the blade. If this happens shut off the saw and wait until blade stops to remove the piece.
4. The lower blade guard's effectiveness is limited in bevel operations. It may have to be raised out of the way when setting the bevel angle. **Be sure the power is off/locked out and blade is completely stopped before making any adjustment**.
5. Catching the lower guard in saw kerfs when changing the saw setup can be avoided by elevating the saw until the bottom of the guard clears the fence.
6. When ripping narrow strips the lower guard may have to be raised to rest on top of the guide fence. Be sure to use a pusher stick to feed the work.

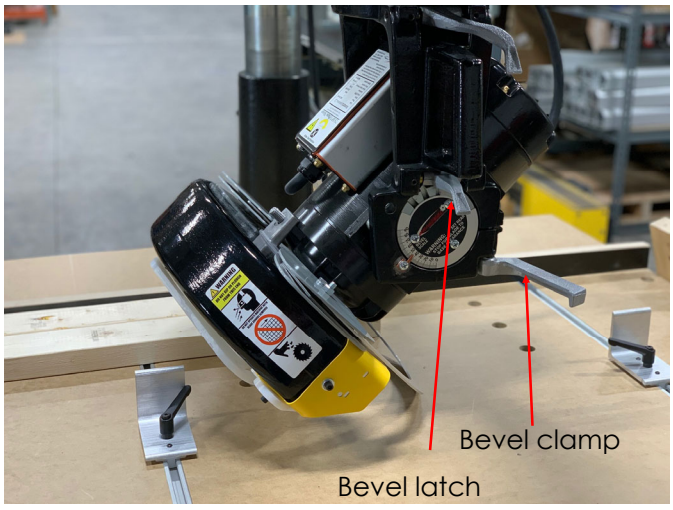
Operating Instructions * Note some photos show radial arm saw for pictorial purposes

standard manual

clamp / material stop …. continued

During operations where the arm is swung left or right could put the clamp in the path of the blade. If this is going to happen simply add scrap board that will allow the clamp to be moved further out on the table and clear the blade path. (Red arrow 1)

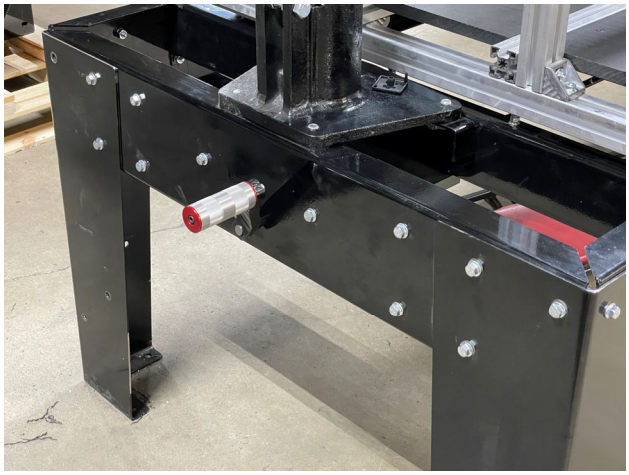




Revolving the Motor Vertically in the Yoke

Raise the arm to allow the saw blade sufficient clearance above the table top. Release the bevel clamp handle , grasp the saw guard with the left hand and lift the bevel latch handle. The motor can now be swung to a bevel position as indicated on the bevel scale. Lock

Operating Instructions



Raising and Lowering the horizontal beam

The elevating crank can be used to raise or lower the arm. Each rotation on the elevating crank moves the beam exactly 1/8", one half turn exactly 1/16". The elevating crank can be removed by loosening the set screws but should be left on to avoid loosing the part.

standard manual

clamp / material stop

New standard manual clamp / material stops are provided on the left and right side of the blade to keep the material being cut from sliding and keep the operator's hand away from the blade. To use simply loosed the clamping handle slid up against the ma-

Operating Instructions

Cross Cutting

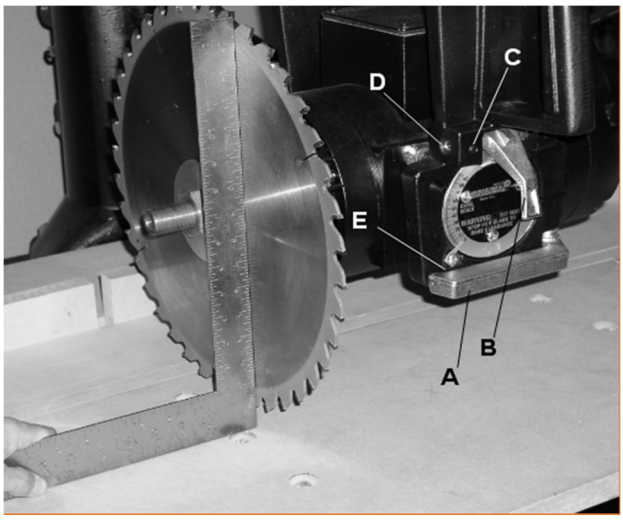
Lock the arm in the 0º position. Place the material securely against the guide strip– keep hands well away from the blade. Draw the saw blade across the material. After the cut has been completed return the blade behind the guide strip. Observe this order of operation for all cross cuts. Never push the saw blade into the material. Pull the blade slowly and firmly across the material from the rear of the arm using the operating handle. The saw blade should cut into the table about 1/ 16" when

Bevel Cutting

Lock the arm in the cross cutting position. Raise the motor by rotating the elevation crank. Release the bevel clamp and the bevel latch and tilt the motor in the yoke. The bevel angle is shown on the bevel scale. Lock the bevel latch and clamp. Lower the arm into cutting position. Adjust the bevel stop to assure clearance between blade and base. Pull the saw through as

Maintenance Adjustments and Alignments

To Square Saw Blade with the Table Top



Make sure the tabletop is level and place a steel square against the side of the blade; the square should be against the gullets and not the teeth of the blade. If the blade is not square to the tabletop:

1. Release the bevel clamp handle (A) and bevel latch (B).
2. Loosen the two set screws (C) in the front of the yoke locking the bronze bevel latch adjustment screws. (D).
3. Adjust the bevel latch adjustment screws by backing off one and tightening the other to move the blade flush to the square. Tighten the two locking set screws to a required torque of 90-100 inch/lbs.

Adjustment of Rear Trunnion and Bevel Clamp Handle

If the rear motor trunion is loose in the yoke, or if bevel clamp will not hold:

1. Loosen locking set screws (A in Figures 5 and 6) and bevel clamp (B in figure 5).
2. Tighten rear trunion pinch bolt socket head cap screw (B, figure 6) until bevel movement becomes slightly difficult and requires force to move. Reset its locking set screw to a torque of 90—100 inch/lbs.

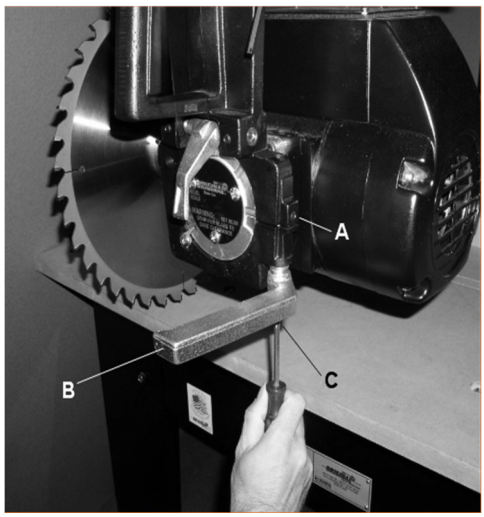


Figure 5

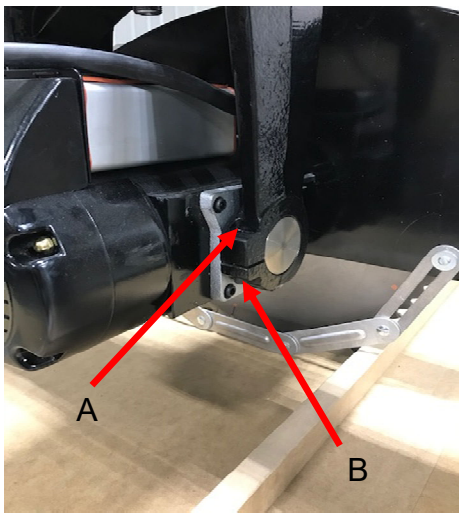


Figure 6

!!! CAUTION !!!

FOR ILLUSTRATION PURPOSES ONLY ,THE GUARDS HAVE BEEN REMOVED FOR THE PHOTOS USED IN THIS MANUAL. IN ACTUAL USE BOTH UPPER AND LOWER GUARDS MUST REMAIN IN PLACE FOR SAFE CUTTING

If after making these adjustments the blade continues to heel, particularly if the blade heels on both sides of the material, the blade may require tensioning. If the blade must be re-tensioned contact your local distributor.

Maintenance Adiustments and Alianments

Note! Some images ore of similar equipment (radial arm saw)

Caution! Disconnect and lockout power supply before making any adjustments or alignments.

Adjustment of Miter, Bevel and Swivel Latches

If a loose condition ever develops between the miter, bevel or swivel latches and their respective adjusting screws, refer back to the following sections for adjustment. Miter Latch, Bevel Latch, Rip Swivel Latch (page 27). Be sure to check alignment after adjusting latches.

To Adjust for "Heel" (Saw Blade Not Parallel to Arm)

When the saw blade is not parallel to the arm the result will be what is called "heel" - the back of the blade will not follow in the kerf of the front of the blade. Signs of a blade heeling are indicated when the rear teeth of the blade mark the material with an offset in the cut. This condition can be noticed with by eye or with a straight edge. To correct this situation:

1. Put the motor into 0° bevel position. Engage bevel latch (A, Fig. 7) and bevel clamp (B).
2. Cross cut a piece of material and determine the side of the cut on which the teeth are heeling. Make a note which side of the cut material has heeling marks.
3. Pull the yoke clamp handle (C, Fig. 7) forward.
4. Release the rip swivel latch (D, Fig. 7.
5. Loosen the two set screws (E, Fig. 7) locking the bronze rip swivel latch adjusting screws (F, Fig. 7).
6. If the heel marks were on the right side of the material loosen the adjusting screw on your left and tighten the one on the right. If the marks were on the left of the material loosen the adjusting screw on your right and tighten the one on your left.
7. Tighten the two locking set screws to a required torque of 90—100 inch/lbs.
8. The rip swivel latch must move freely without side play.
9. Engage rip swivel latch and lock the yoke clamp, recheck the crosscut and make additional adjustment if necessary.
10. Ste a square in the corner of table and fence on left side, place square at a 45° angle it should touch the bottom edge of blade and touch the all the way to top front edge of blade. (Make sure it is not on carbides.) Figure 6A

Figure 6A

Figure 6B

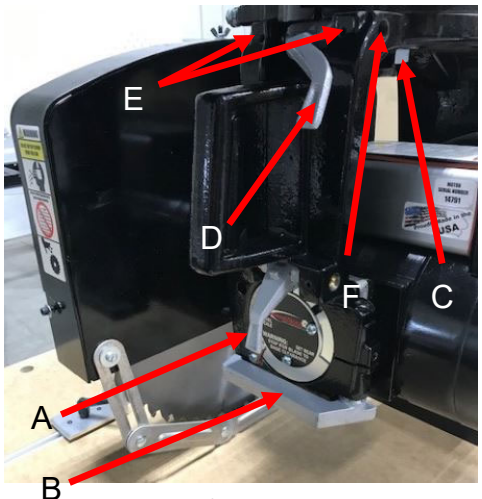
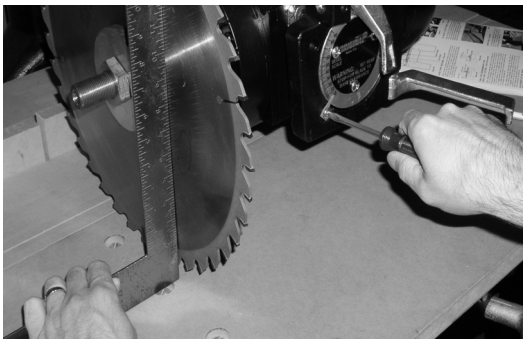


Figure 7

Maintenance Adjustments and Alignments

Caution! Disconnect and lockout power supply before making any adjustments or alignments.

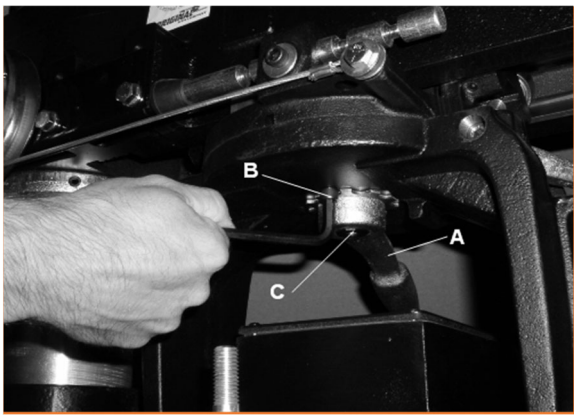
Note! Some images ore of similar equipment (radial arm saw)



Adjustment of Bevel Scale

The bevel scale is located at the front of the yoke. When the motor is positioned for straight cross cutting the pointer should be at 0° on the scale. To adjust, loosen screw and move pointer to 0° and tighten.

Adjustment of the Yoke Clamp Handle / yoke clamp nut



If the yoke clamp handle (A) becomes too loose the following steps will correct this condition:

1. Pull yoke clamp handle forward.
2. Remove socket head cap screw (B) on the under-side of the yoke.

Adjustment of Fence

The fence is aluminum angle that is clamped down to the t-slot rails with clamps and t-nuts. To adjust simply place a straight edge against the fence to make sure it is flat across and then use a square similar to figures shown at below. Use this process to make sure fence is properly adjusted

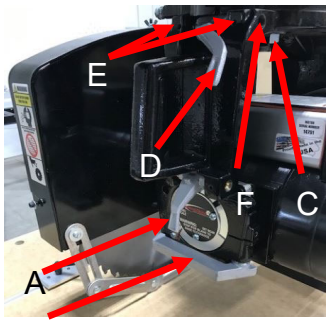


Figure 6B

Alignment Guide for Accurate Cutting

The following guide is provided for your convenience. A saw that is not properly adjusted will not yield the desired accuracy and quality of cut. It should be noted any adjustment made will effect another, therefore it is best to perform all of the adjustments when correcting any one problem.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Saw will not make a square cross cut or a good 45° miter cut	– Arm is not perpendicular to guide fence – Arm has excessive play at end – Column is loose in base – Too much play between arm and column – Rollerhead loose in arm (left to right play) – Yoke loose when clamped to rollerhead – Sawdust between lumber and guide fence – Table not parallel with arm – Guide fence not straight/rear edge of fixed board not straight	– Adjust cross cut travel with guide fence (p. 28) – Tighten adjusting screws – Make proper adjustment (p. 24) – Make proper adjustment (p. 25) – Adjust rollerhead (p. 25) – Adjust yoke clamp handle (p. 26) – Clean tabletop – Make proper adjustment (p. 26,28) – Replace fence/sand or replace (p. 26)
Lumber has a tendency to walk away from fence when ripping or ploughing	– Saw blade is not parallel with fence – Arm not perpendicular to guide fence – Dull blade or cutters	– Make heel adjustment (p. 28) – Adjust crosscut travel with guide fence (p. 28) – Sharpen or replace blade
Saw stalls when ripping or ploughing	– Fence not straight – Feed rate too fast – Wrong blade – Column too loose in base – Too much play between arm and column – Rollerhead loose in arm – Yoke loose when clamped to rollerhead – Sawdust between lumber and fence	– Replace fence – Slow feed rate – Use correct blade – Make proper adjustment (p. 24) – Make proper adjustment (p. 24) – Make proper adjustment (p. 25) – Make proper adjustment (p. 25) – Clean tabletop
Saw blade scores lumber, finish cut is not smooth	– Saw blade is heeling – Column too loose in base – Too much play between arm and column – Rollerhead loose in arm – Yoke too loose when clamped to rollerhead – Bent or dull blade – Not feeding saw properly – Using improper blade	– Make heel adjustment (p. 28) – Make proper adjustment (p. 24) – Make proper adjustment (p. 24) – Make proper adjustment (p. 25) – Make proper adjustment p. 25) – Replace blade – Draw blade across lumber with slow steady pull – Change blade.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Saw blade or dado blades tend to push lumber to one side when cross cutting	– Saw blade is heeling – Column too loose in base – Too much play between arm and column – Rollerhead too loose in arm – Yoke too loose when clamped to rollerhead – Fence not straight – Dull blade or cutters	– Make heel adjustment (p. 28) – Make proper adjustment (p. 24) – Make proper adjustment (p.24) – Make proper adjustment (p. 25) – Make proper adjustment (p. 25) – Replace fence – Replace or sharpen
Cut depth varies from one end of stock to the other	– Tabletop not parallel with arm – Column too loose in base – Too much play between arm and column	– Adjust tabletop to arm (p. 26) – Make proper adjustment (p. 24) – Make proper adjustment (p. 24)
45^0 bevel cut not accurate	– Saw blade not perpendicular to tabletop – Column too loose in base – Too much play between arm and column – Rollerhead too loose in arm – Yoke too loose when clamped to rollerhead – Bevel clamp handle loose – Tabletop not parallel to arm	– Make proper adjustment (p. 26) – Make proper adjustment (p. 24) – Make proper adjustment (p. 24) – Make proper adjustment (p. 25) – Make proper adjustment (p. 25) – Make proper adjustment (p. 27) – Make proper adjustment (p. 26)
Saw tends to advance over lumber too fast	– Rollerhead bearings out of adjustment – Dull blade – Not feeding saw properly	– Adjust bearings (p. 25) – Replace or sharpen blade – Draw blade across lumber with a slow steady pull
Saw does not move smoothly in arm tracks	– Dirty tracks – Bad bearing	– Clean tracks – Replace bearing
Miter scale not accurate at various miter angles	– Scale pointer not properly adjusted	– Adjust scale pointer
Elevating handle slips when elevating or lowering the saw	– Base not adjusted properly	– Adjust base to column (p. 24)
Clamping force not sufficient at miter angles other than 45^0	– Arm clamp out of adjustment	– Adjust arm clamp (p. 24)
Clamping force not sufficient at bevel angles other than 45^0	– Bevel clamp handle too loose	– Adjust bevel clamp (p. 27)

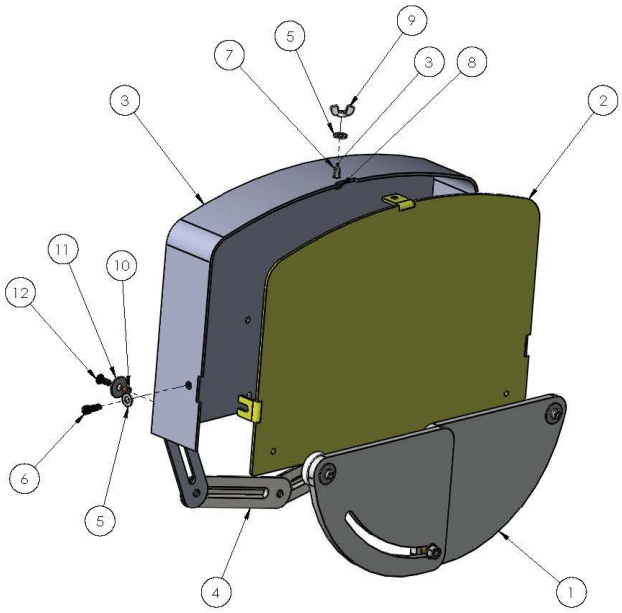
ELECTRICAL TROUBLE-SHOOTING GUIDE

CAUTION—HIGH VOLTAGES ARE DANGEROUS—BE SURE POWER IS OFF AND LOCKED

TROUBLE	POSSIBLE	SUGGESTED REMEDY
will neither hum	Power line not connected to cable.	Correct power wiring. See wiring diagram inside magnetic starter box.
	Thermal overload relays may have tripped.	Allow time for overload relays to cool.
	Faulty (blown) line fuse, line circuit breaker tripped.	Check for presence of proper voltage at motor.
	Defective control transformer.	Check circuit with continuity meter. Ensure power is off.
	Start and stop switches at end	
	Faulty starter.	
Saw motor hums but will not start (Shut off power immediately)	Open circuit in a thermal relay heater.	Remove heaters. If defective, heater may be completely burned up. Install new heater if required.
	Open circuit in motor cable or cable lugs.	Use a continuity meter and check each wire between control unit and motor. Check lug connections.
	Wiring error.	Check connections in starter box and conduit box, refer to motor and starter connection diagrams.
	Mechanical binding—shaft should turn freely by hand.	Tap end of shaft with mallet to seat bearings in end bells. Check bearings and bell etc. Replace as needed.
	Low voltage-voltage should be measured at the motor while it is starting and blade attached. Voltage should not drop lower than 185 volts for 208, 220 and 230 volt systems.	Check for loose or high resistance connections– make sure lines are of ample capacity and other equipment is not pulling down the voltage.
	Burned out stator	If motor smells or has been smoking each phase winding
	Bad capacitor (single phase only).	Turn off power, remove motor nameplate. Discharge capacitor by short circuiting terminals; remove motor from circuit. Test with ohm meter. Needle should jump when leads are touched to capacitor terminals and fall
	Bad starting relay (single phase only).	If contacts are excessively burned, pitted or welded together the relay must be replaced. Check for open relay coil using continuity meter.
Motor trips overload relay or blows line fuse.	Wrong heater or fuse.	Replace with proper heater, fuse or circuit breaker.
	Excessive currents.	Check for grounds or shorts.
	Low voltage.	Check voltage while starting as outlined above.
	Loose or faulty connection.	Locate and repair.

Parts List and Ordering Instructions

Order only genuine replacement parts from your Original Saw Company Dealer.

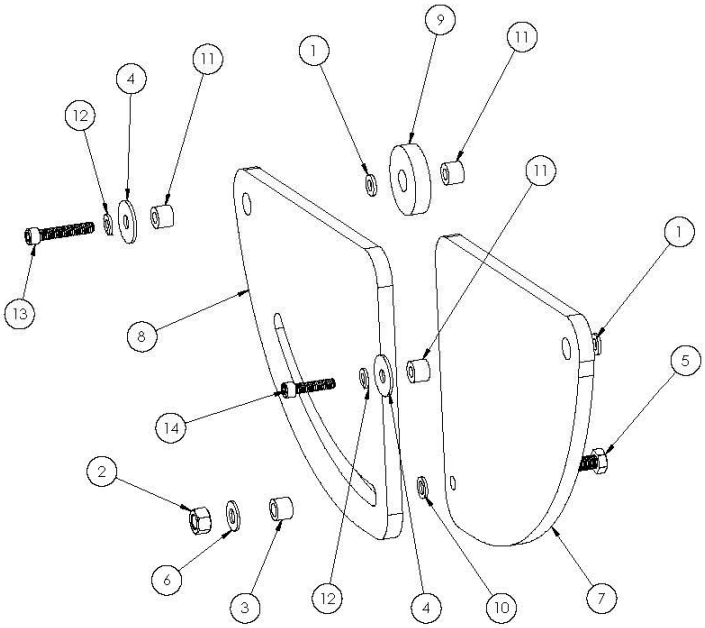


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	090531-12	Lower Guard Assembly 16" MC	1
2	090530-01	GUARD-DOOR, 16"	1
3	090530-00	GUARD ASSEMBLY, 16"	1
4	096805	16" Link Set	1
5	046084-00	1/4" FLAT WASHER	3
6	080589	SHCS, 1/4-20 X .75	2
7	082398	Scr 1/4-20 x 1 SSSCPPT Black	1
8	038738	NUT HEX 1/4-20	1
9	037667	WING NUT, 1/4-20	1
10	096803-00	SPACER	2
11	080457	Flat Washer 1/4 x 1" zinc	2
12	052511	1/4-20 x 5/8 Screw	2

Note : 096805 16" link set includes item # 4,10,11,12

090531-16

16" Guard Assembly, Complete, no rip attachments



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	096803-22	POLY WASHER, 1/4	2
2	082024-02	Nut, 5/16-18 Elastic Stop ZP	1
3	096803-02	5/16" BRASS BUSHING	1
4	080457	Flat Washer 1/4 x 1" zinc	2
5	082104-02	5/16"-18 x 1" HEX BOLT	1
6	099361-16	5/16" FLAT WASHER	1
7	090531-11	Guard Blade Front 16" HDPE MC	1
8	090531-10	Guard Blade Rear 16" HDPE MC	1
9	090531-07	GUARD BLADE SPACER 16" MC	1
10	096803-20	5/16" PLASTIC WASHER	1
11	096803-04	BUSHING, .25ID X .50OD	3
12	084173	Wshr. 1/4 Lock ZP	2
13	099154-22	1/4-20X13/8 SHCS	1
14	082190	Scr 1/4-20 x 1 SHCS Black	1

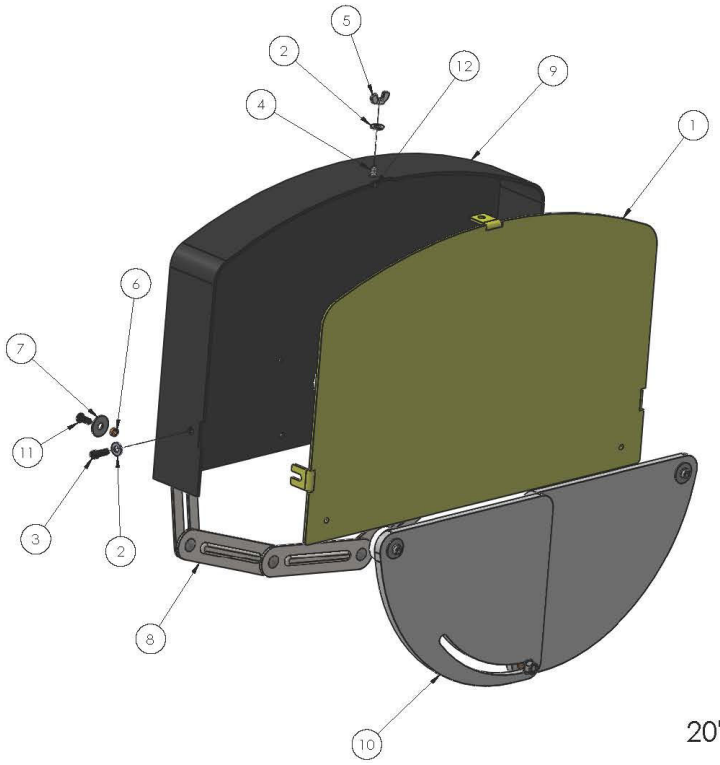
090531-12

Lower plastic guard assembly 16"

For steel fabricated guards

Parts List and Ordering Instructions

Order only genuine replacement parts from your Original Saw Company Dealer.

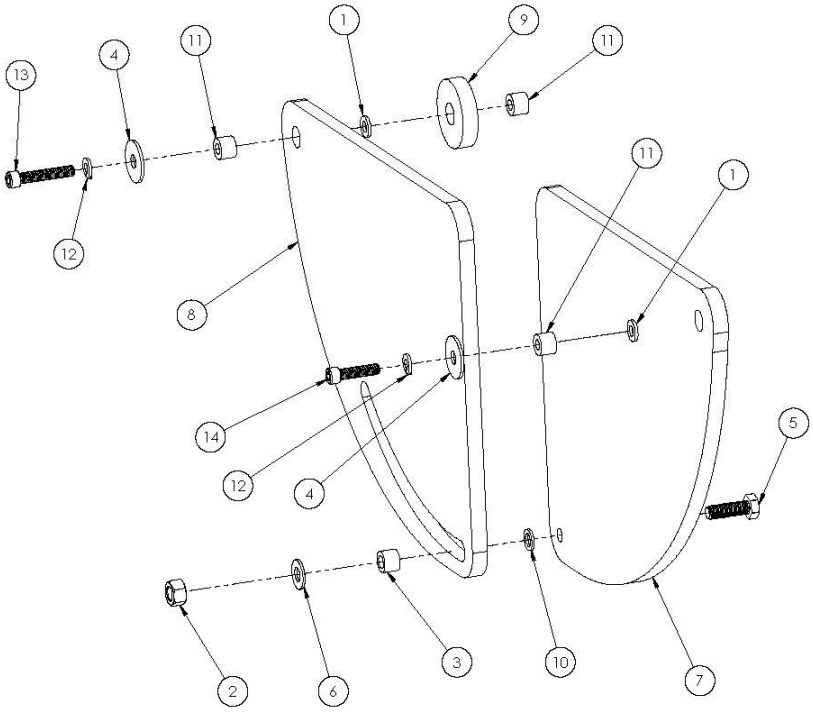


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	090534-01	GUARD-DOOR, 20"	1
2	046084-00	1/4" FLAT WASHER	3
3	080589	SHCS, 1/4-20 X .75	2
4	082398	Scr 1/4-20 x 1 SSSCPPT Black	1
5	037667	WING NUT, 1/4-20	1
6	096803-00	SPACER	2
7	080457	Flat Washer 1/4 x 1" zinc	2
8	096675	20" Link Set	1
9	090534-00	Guard 20" Rear Assembly	1
10	090533-12	Lower Guard Assembly 20" MC	1
11	052511	1/4-20 x 5/8 Screw	2
12	038738	NUT HEX 1/4-20	1

Note : 096675 20-22" link set includes item # 8,6,7,11

090533-20

20" Guard Assembly, Complete, no rip attachments



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	096803-22	POLY WASHER, 1/4	2
2	082024-02	Nut, 5/16-18 Elastic Stop ZP	1
3	096803-02	5/16" BRASS BUSHING	1
4	080457	Flat Washer 1/4 x 1" zinc	2
5	082104-02	5/16"-18 x 1" HEX BOLT	1
6	099361-16	5/16" FLAT WASHER	1
7	090533-11	Guard Blade Front 20" HDPE MC	1
8	090533-10	Guard Blade Rear 20" HDPE MC	1
9	090531-07	GUARD BLADE SPACER 16" MC	1
10	096803-20	5/16" PLASTIC WASHER	1
11	096803-04	BUSHING, .25ID X .50OD	3
12	084173	Wshr. 1/4 Lock ZP	2
13	099154-22	1/4-20X13/8 SHCS	1
14	082190	Scr 1/4-20 x 1 SHCS Black	1

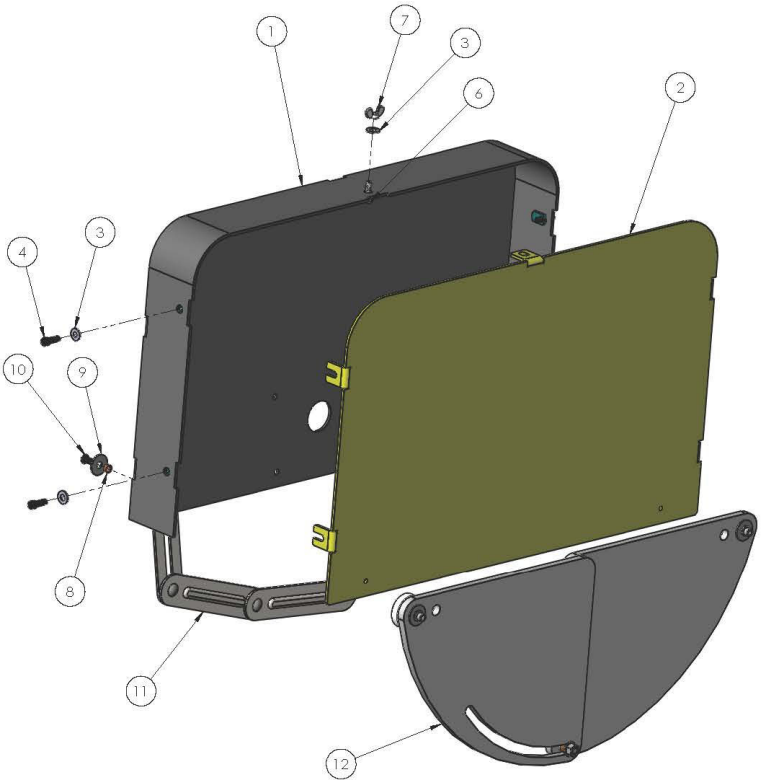
090533-12

Lower plastic guard assembly 20"

For steel fabricated guards

Parts List and Ordering Instructions

Order only genuine replacement parts from your Original Saw Company Dealer.

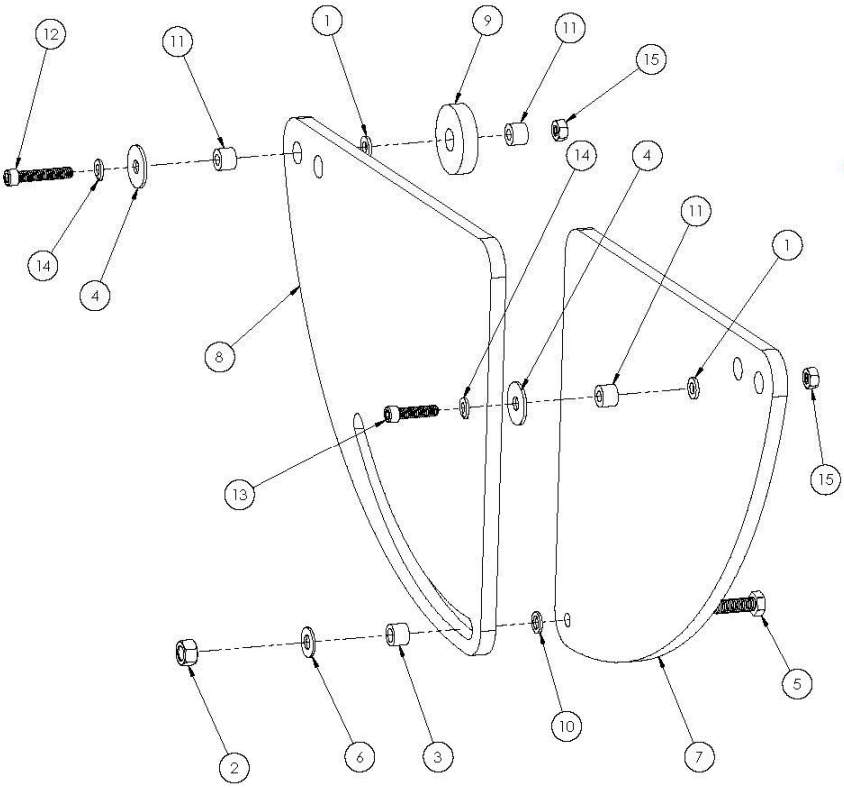


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	090535-00	Guard Section, 22"	1
2	090535-01	Guard door, 22"	1
3	046084-00	1/4" FLAT WASHER	5
4	080589	SHCS, 1/4-20 X .75	4
5	082398	Scr 1/4-20 x 1 SSSCPPT Black	1
6	038738	NUT HEX 1/4-20	1
7	037667	WING NUT, 1/4-20	1
8	096803-00	SPACER	2
9	080457	Flat Washer 1/4 x 1" zinc	2
10	052511	1/4-20 x 5/8 Screw	2
11	096675	20"-22" Link Set	1
12	090535-12	Lower Guard Assembly 20" MC	1

Note : 096675 20-22" link set includes item # 11,8,9,10

090535-22

22" Guard Assembly, Complete, no rip attachments

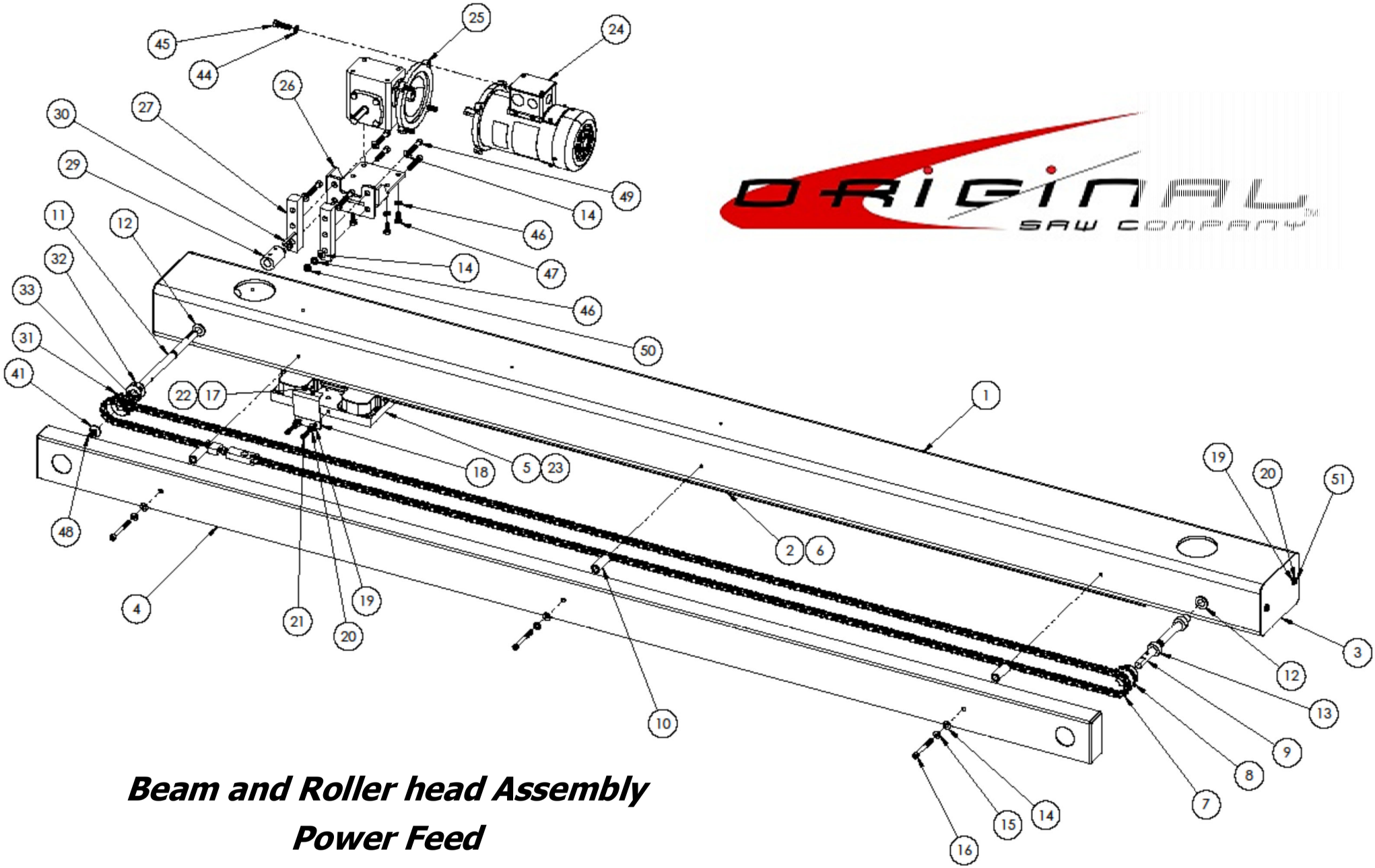


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	096803-22	POLY WASHER, 1/4	2
2	082024-02	Nut, 5/16-18 Elastic Stop ZP	1
3	096803-02	5/16" BRASS BUSHING	1
4	080457	Flat Washer 1/4 x 1" zinc	2
5	082104-02	5/16"-18 x 1" HEX BOLT	1
6	099361-16	5/16" FLAT WASHER	1
7	090535-11	Guard Blade Front 22" HDPE MC	1
8	090535-10	Guard Blade Rear 22" HDPE MC	1
9	090531-07	GUARD BLADE SPACER 16" MC	1
10	096803-20	5/16" PLASTIC WASHER	1
11	096803-04	BUSHING, .25ID X .50OD	3
12	099154-22	1/4-20X13/8 SHCS	1
13	082190	Scr 1/4-20 x 1 SHCS Black	1
14	084173	Wshr. 1/4 Lock ZP	2
15	099374-07	REV NUT, 1/4-20	2

090535-12

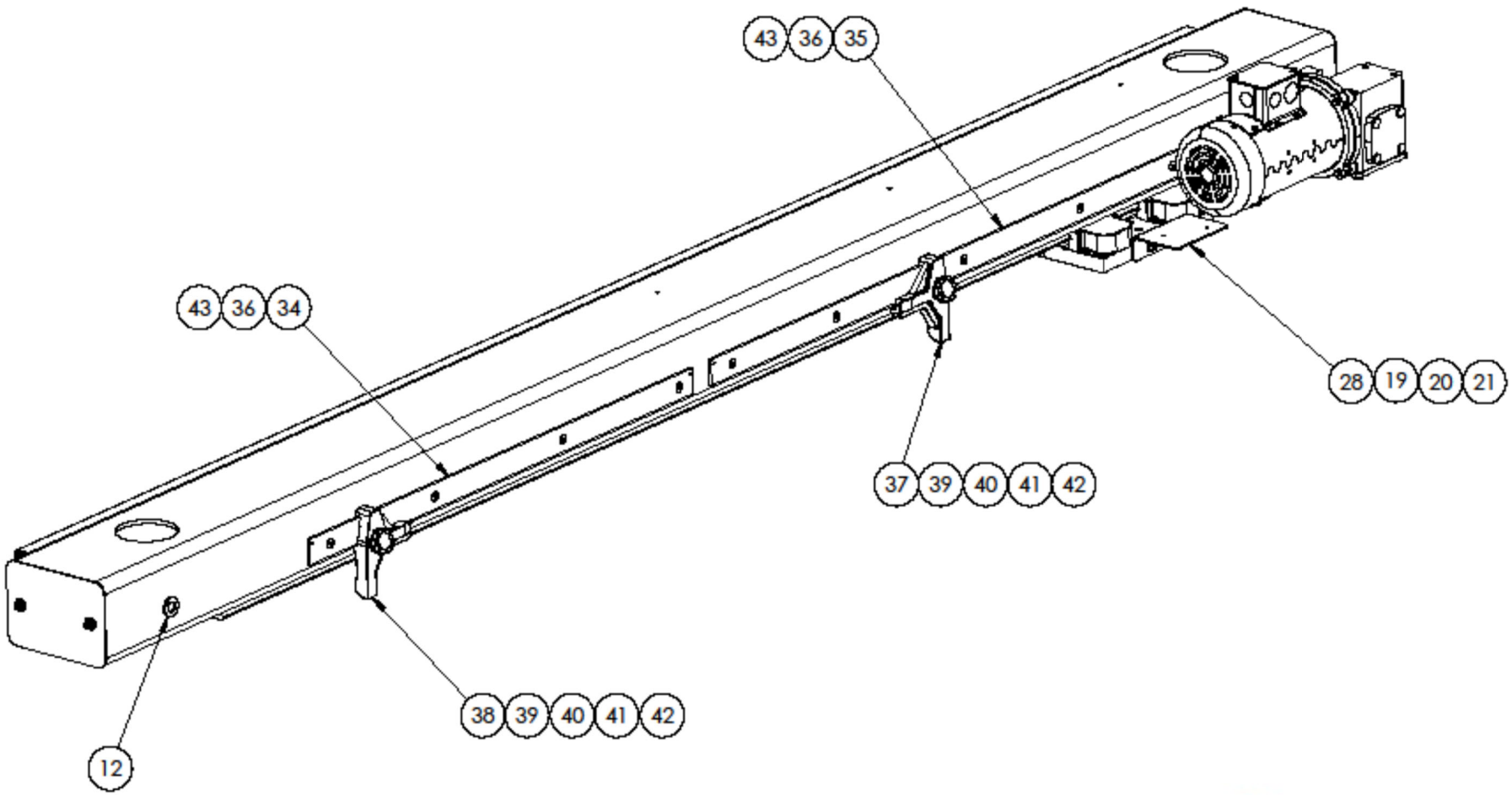
Lower plastic guard assembly 22"

For steel fabricated guards



Beam and Roller head Assembly

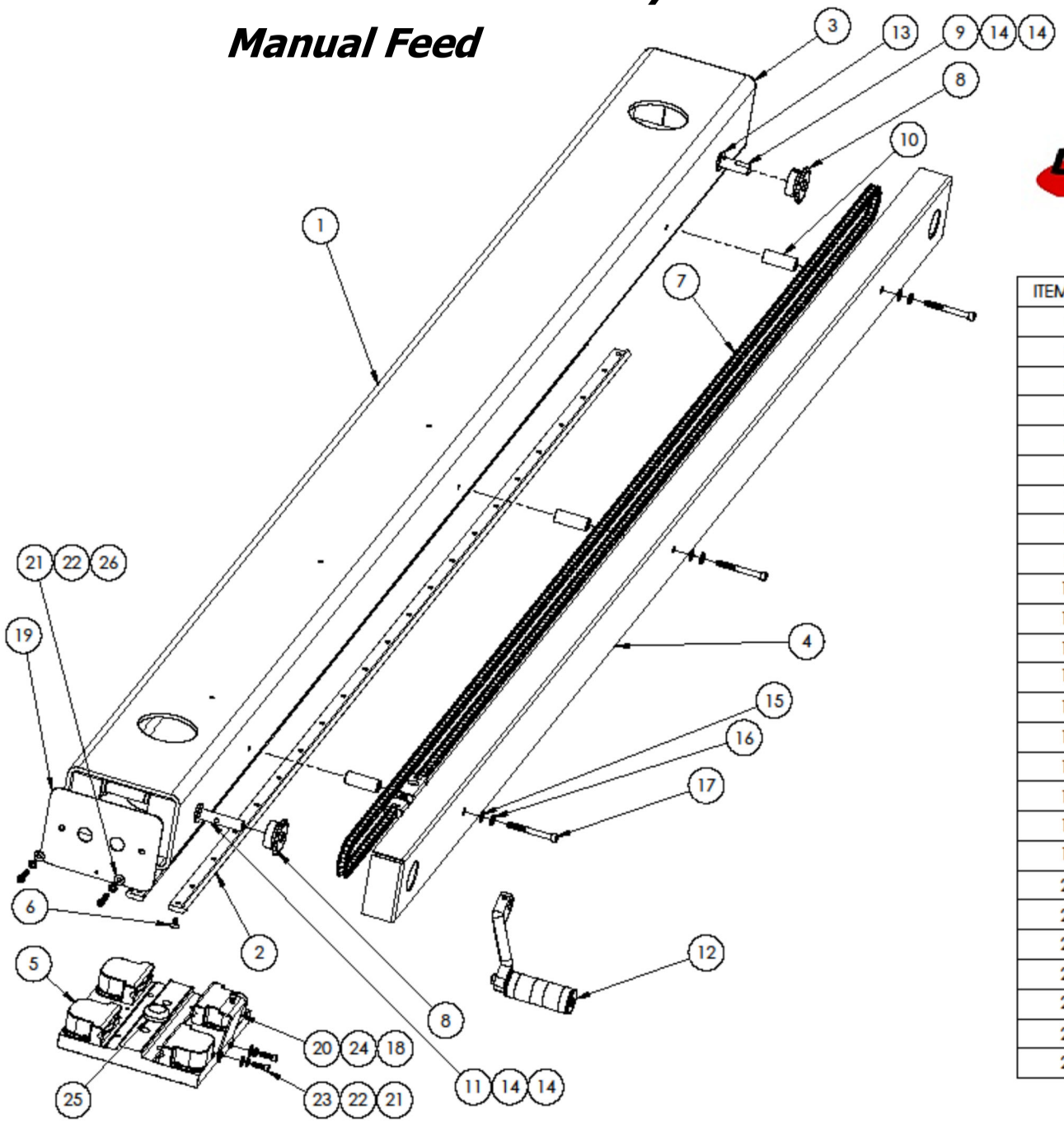
Power Feed


43 36 35
43 36 34
28 19 20 21
37 39 40 41 42
38 39 40 41 42
12

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1001107-01	BEAM, WELDMENT	1
2	1001102-00	linear track	2
3	1001135-00	Beam End Plate	2
4	1001127-00	Chain Guard	1
5	1001200-00	Rollerhead Assembly	1
6	099502-08	FHCS, 1/4-20 X .50	44
7	1001123-00	Chain Assembly	1
8	084139	SPROCKET	1
9	85182	CRANK SHAFT	1
10	070955-00	SPACER	3
11	85183	CRANK SHAFT	1
12	070258	Flanged Bushing	3
13	084145	Collar	2
14	099361-16	5/16" FLAT WASHER	9
15	099384-07	5/16" LOCK WASHER	3
16	082181	5/16-18 X 2 3/4 SHCS	3
17	082168-00	5/16"-18 x 1" SHCS	1
18	1001128-00	BEAM SAW CHAIN BRACKET	1
19	046084-00	1/4" FLAT WASHER	8
20	084173	Wshr. 1/4 Lock ZP	8
21	080589	SHCS, 1/4-20 X .75	4
22	082024-02	Nut, 5/16-18 Elastic Stop ZP	1
23	067927	KING BOLT	1
24	086511-01	DC Drive Motor	1
25	088153-05	Gear Reducer 20:1	1
26	088154-02	BRACKET, WELDMENT	1
27	088154-05	SPACER-PWR FEED BRKT	2
28	1001129-00	BEAM SAW LIMIT SWITCH BRACKET	1
29	085184-01	coupler	1
30	085186-01	Key, .1875 x 2	1
31	067662	Sprocket Power Feed	1
32	070585	Powerfeed Drive Collar	1
33	070586	Powerfeed Brass Shear Pin	1
34	070583-02	CAM TRACK 44" ARM	1
35	070583-03	CAM TRACK 52" ARM	1
36	070584	CAM TRACK SPACER	9
37	072493	Front Cam & Stop	1
38	072494	Rear Cam & Stop	1
39	070582	Lock Pin	2
40	023187	Spring	2
41	084318	5/16 Flat Washer	3
42	081368-01	Lock Knob 5/16-18	2
43	067751	SCS, 1/4-20 x 1.25	9
44	000415	LOCK WASHER, 3/8	4
45	082105	3/8-16 X 1 1/4 Hex Hd Cap Screw	4
46	084319	5/16 Lockwasher	7
47	082097	HHCS, 5/16-18 X 3/4	4
48	082205	SHCS 5/16-18 X 5/8	1
49	080590	SHCS, 5/16-18 X 1.75	6
50	099370-04	5/16-18 Hex Nut	2
51	082190	Scr 1/4-20 x 1 SHCS Black	4

Beam and Roller head Assembly

Manual Feed



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1001107-01	BEAM, WELDMENT	1
2	1001102-00	linear track	2
3	1001135-00	Beam End Plate	1
4	1001127-00	Chain Guard	1
5	1001200-00	Rollerhead Assembly	1
6	099502-08	FHCS, 1/4-20 X .50	44
7	1001123-00	Chain Assembly	1
8	084139	SPROCKET	2
9	85182	CRANK SHAFT	1
10	070955-00	SPACER	3
11	85183	CRANK SHAFT	1
12	070964-03	CRANK HANDLE ASM	1
13	070258	Flanged Bushing	4
14	084145	Collar	4
15	099361-16	5/16" FLAT WASHER	3
16	099384-07	5/16" LOCK WASHER	3
17	082181	5/16-18 X 2 3/4 SHCS	3
18	082168-00	5/16"-18 x 1" SHCS	1
19	1001135-03	Beam End Plate - Switch Cap	1
20	1001128-00	BEAM SAW CHAIN BRACKET	1
21	046084-00	1/4" FLAT WASHER	6
22	084173	Wshr. 1/4 Lock ZP	6
23	080589	SHCS, 1/4-20 X .75	2
24	082024-02	Nut, 5/16-18 Elastic Stop ZP	1
25	067927	KING BOLT	1
26	082190	Scr 1/4-20 x 1 SHCS Black	4

Parts List and Ordering Instructions

Order only genuine replacement parts from your Original Saw Company Dealer.

When ordering parts be sure to include:

- Name of manufacturer—Original Saw Company
- Complete machine identification data found on name plate on front of frame

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	068622	Yoke	1
2	068627-01	Swivel Latch Handle	1
3	068626	Adjusting Screw	4
4	083412	1/4" Set Screw Slug	6
5	068703	5/16-18 x 1/2 set Screw	6
6	068628-01	Bevel Lach Handle	1
7	068625	Stud	1
8	046084-00	1/4" FLAT WASHER	1
9	068629-01	Bevel Clamp Handle	1
10	068623	Front Trunion	1
11	082172-00	5/16"-18 x 1 1/4" SHCS	1
12	082168-00	5/16"-18 x 1" SHCS	8
13	068624	Rear Trunion	1
14	203085	Special Washer	4
15	068631	Dowel Screw	1
16	073872	Bevel Scale	1
17	099264-06	1/4-20 x 3/8 Panhd Screw	4
18	203588-01	Pointer	1
19	084173	Wshr. 1/4 Lock ZP	1
20	082200	Scr 5/16 x 3/8 SHCS Black	1
21	068655	Adjuster Washer	1
22	084775	Yoke Clamp Handle	1
23	090539	HEX JAM NUT, 1.00-14	1

Yoke and Trunion Assem
800300-01

ORIGINAL SAW COMPANY

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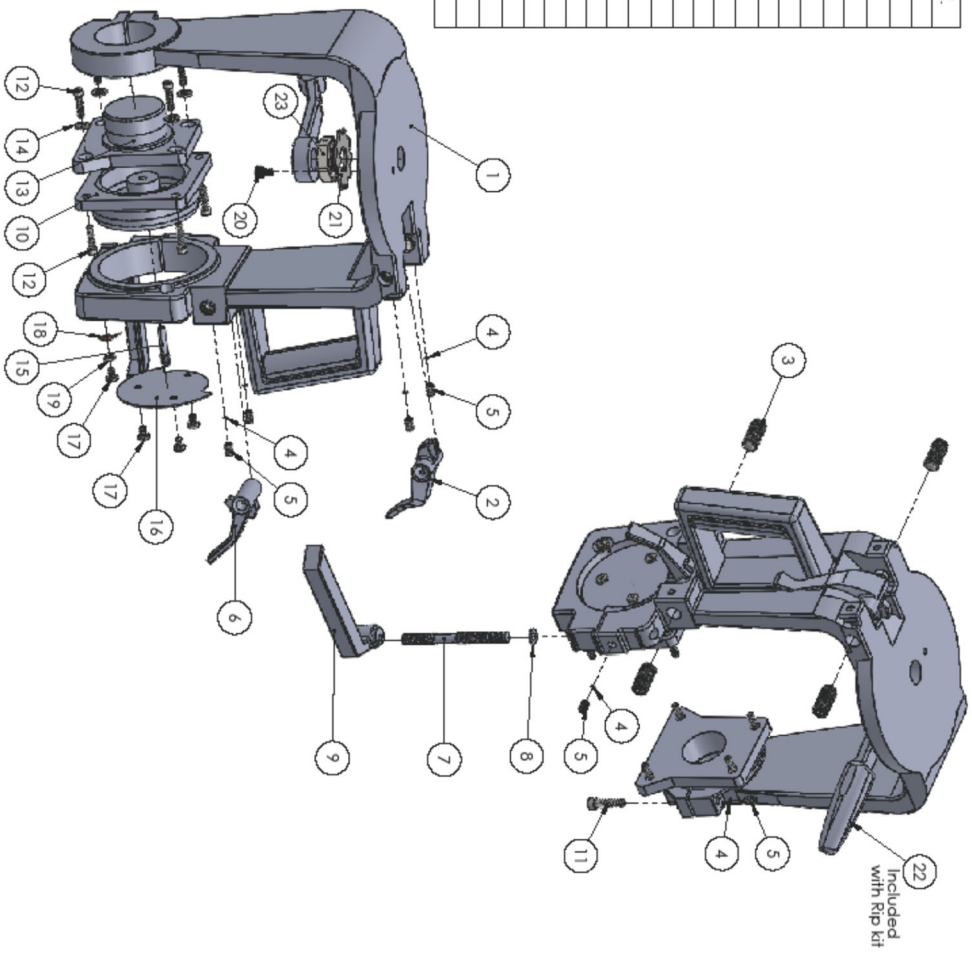
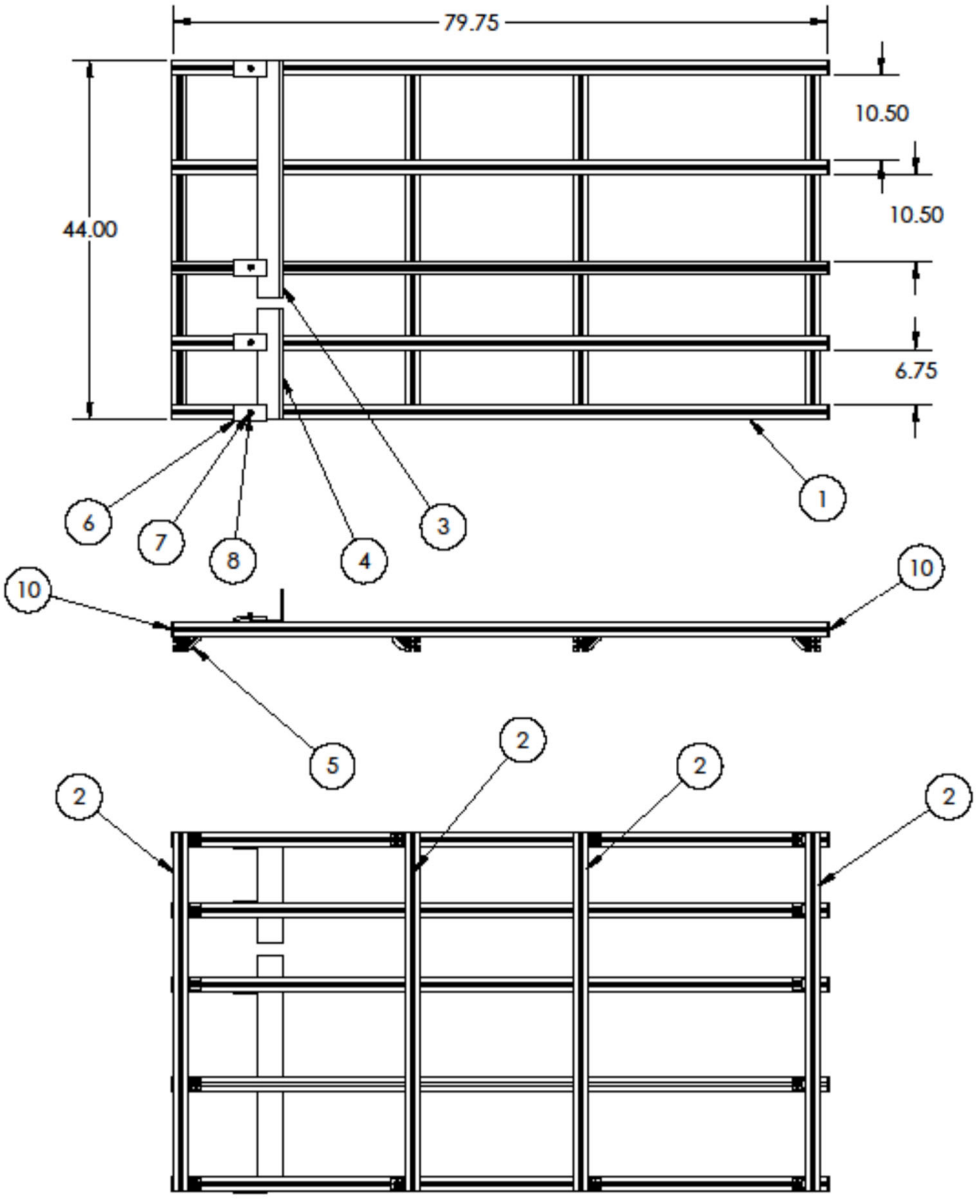
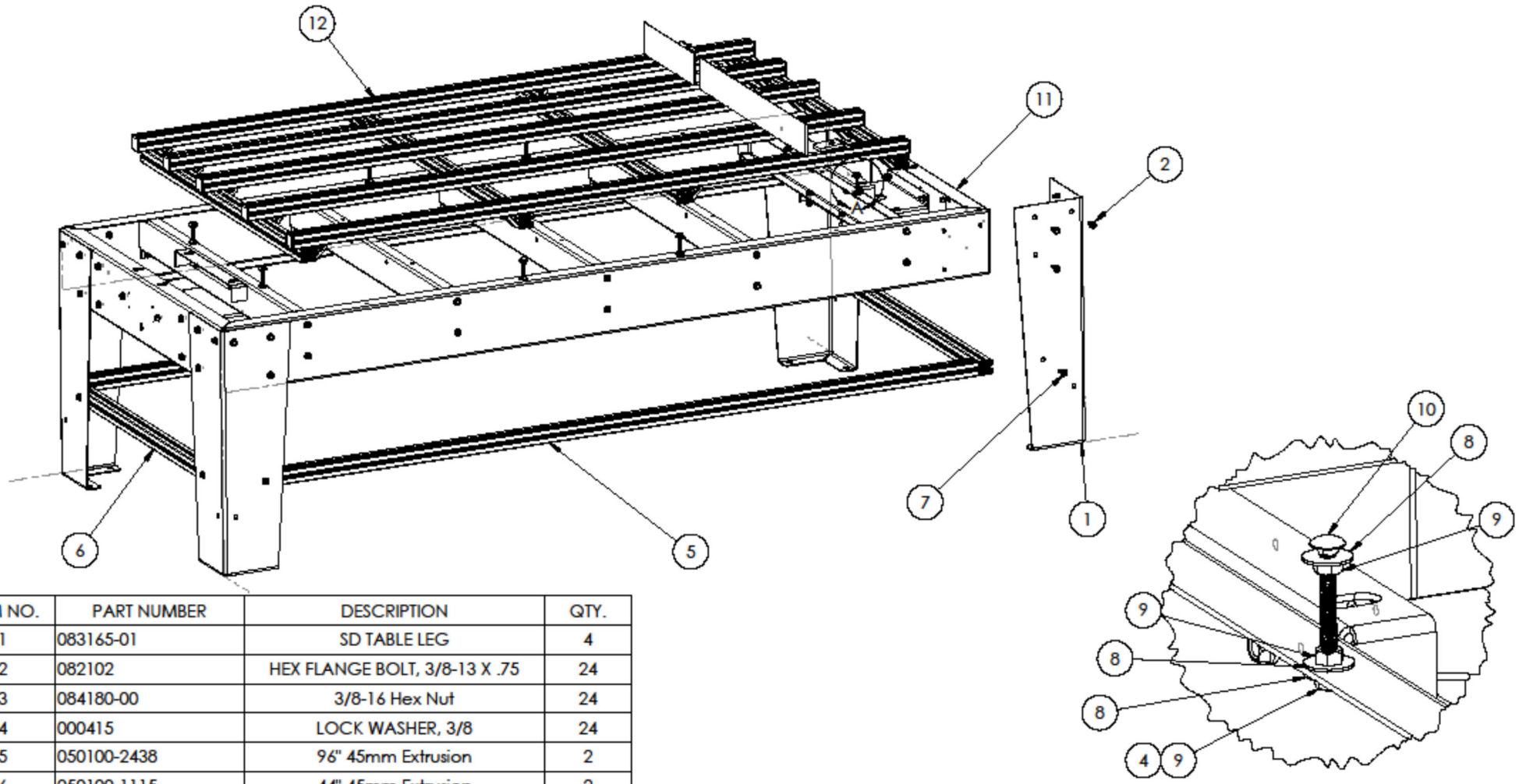




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	050100-02-025	79.75" 45mm extrusion	5
2	050100-1115	44" 45mm Extrusion	4
3	203462-00	29" Fence	1
4	203462-01	13.5" Fence	1
5	50110.00	GUSSET, 45mm	14
6	203464-03	FENCE HOLD DOWN	4
7	046084-00	1/4" FLAT WASHER	4
8	099154-22	1/4-20X13/8 SHCS	4
9	50111.00	T-NUT, 5/16-18	4
10	050114-00	45MM EXTRUSION CAP	10



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	083165-01	SD TABLE LEG	4
2	082102	HEX FLANGE BOLT, 3/8-13 X .75	24
3	084180-00	3/8-16 Hex Nut	24
4	000415	LOCK WASHER, 3/8	24
5	050100-2438	96" 45mm Extrusion	2
6	050100-1115	44" 45mm Extrusion	2
7	050112-01	t bolt kit w/ flanged nut,	8
8	099358-08	5/16" Fender Washer	24
9	099370-04	5/16"-18 HEX NUT	24
10	096778-02	CRG BOLT, 5/16-18 X 3	8
11	1001151-03	BS Frame Assembly	1
12	1001153-01	BS Table Assembly	1

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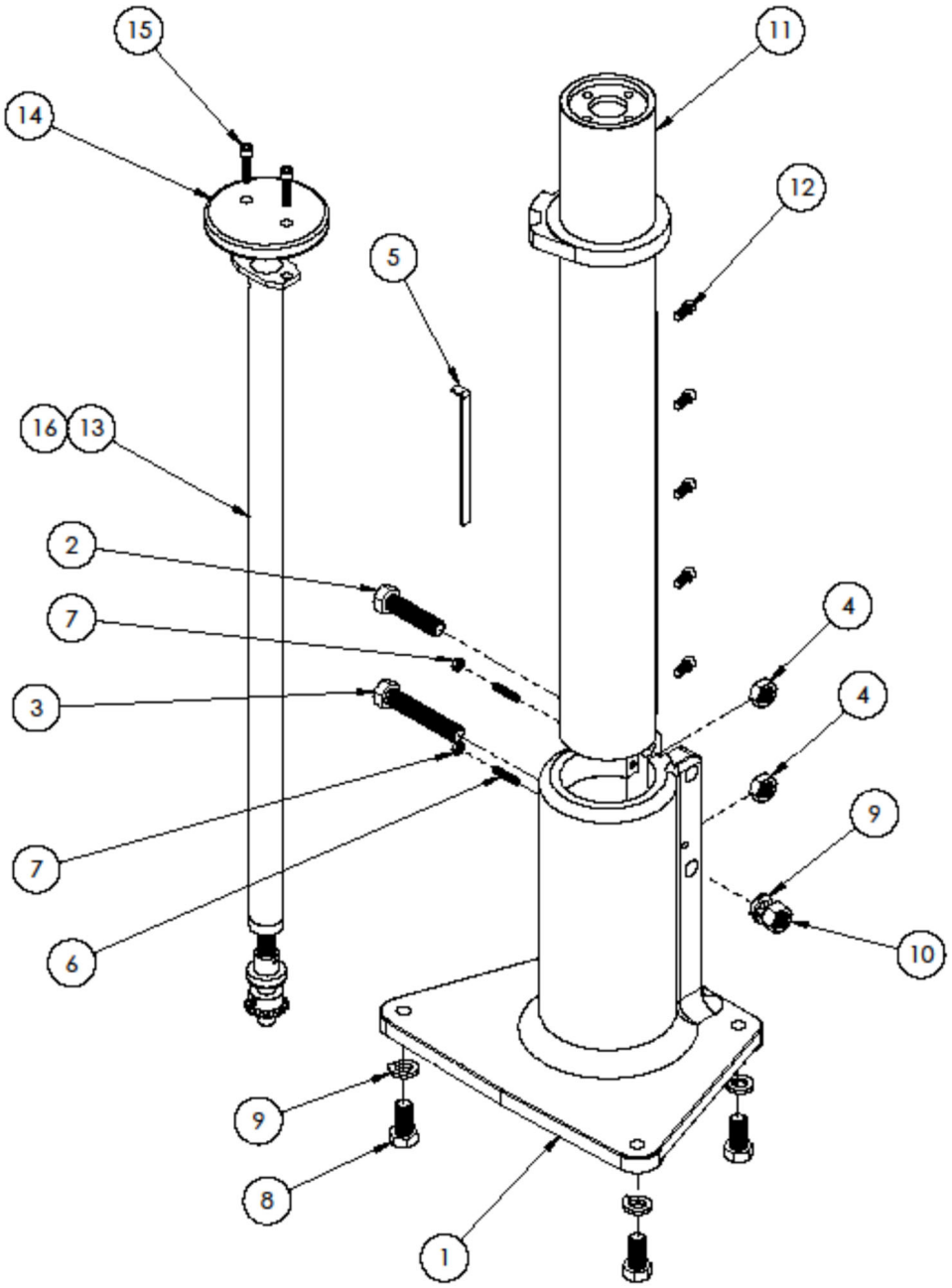
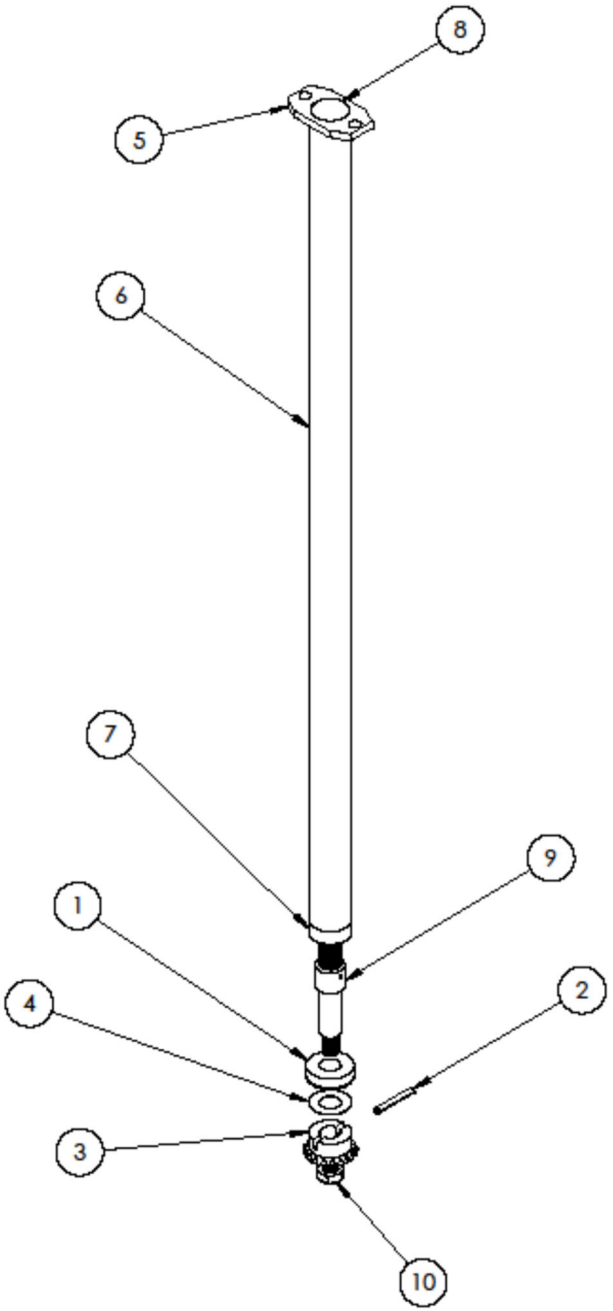


	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	1	122332-01	HD Base Machined	1
	2	096722-01	5/8"-11 X 2 1/4" HEX HEAD BOLT	1
	3	096722-02	5/8"-11 X 2 1/4" HEX HEAD BOLT	1
	4	081988-00	5/8"-11 HEX JAM NUT	2
	5	121616-00	HD & CD Gib	1
	6	082400	SET SCREW, 1/4-20 X 1.25	2
	7	099374-05	1/4"-20 HEX JAM NUT	2
	8	099159-24	5/8-11 x 1 1/2 Hexhd Cap Screw	4
	9	080682	5/8 Lock Washer	5
	10	081960	1/4"-20 HEX JAM NUT	1
	11	088166	Column Assembly	1
	12	082205	SHCS 5/16-18 X 5/8	5
*	13	096742-07	Elevation Assembly	1
	14	121267-02	HD Thrust Cap-Lower Elev	1
	15	082172-00	5/16"-18 x 1 1/4" SHCS	2
**	16	096742-05	Elevation Assembly (Fence end)	1

700210-04* (Crank End)
700210-06 (Fence End)**



096742-05

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	080501-00	Thrust Bearing	1
2	123615-19	3/16" x 1 1/2" Roll Pin	1
3	061381-02	Bevel Gear	1
4	068647-00	THRUST WASHER	1
5	121262-09	Upper Elevating Plate	1
6	096739-12	Elevating Support Tube	1
7	203147-02	ELEVATING NUT, ELEVATING ASSEMBLY	1
8	080594-02	BOTTOM PLUG, ELEVATING ASSEMBLY	1
9	096741-00	HD elevating screw assy	1
10	032492	1/2-20 Jam Locknut	1

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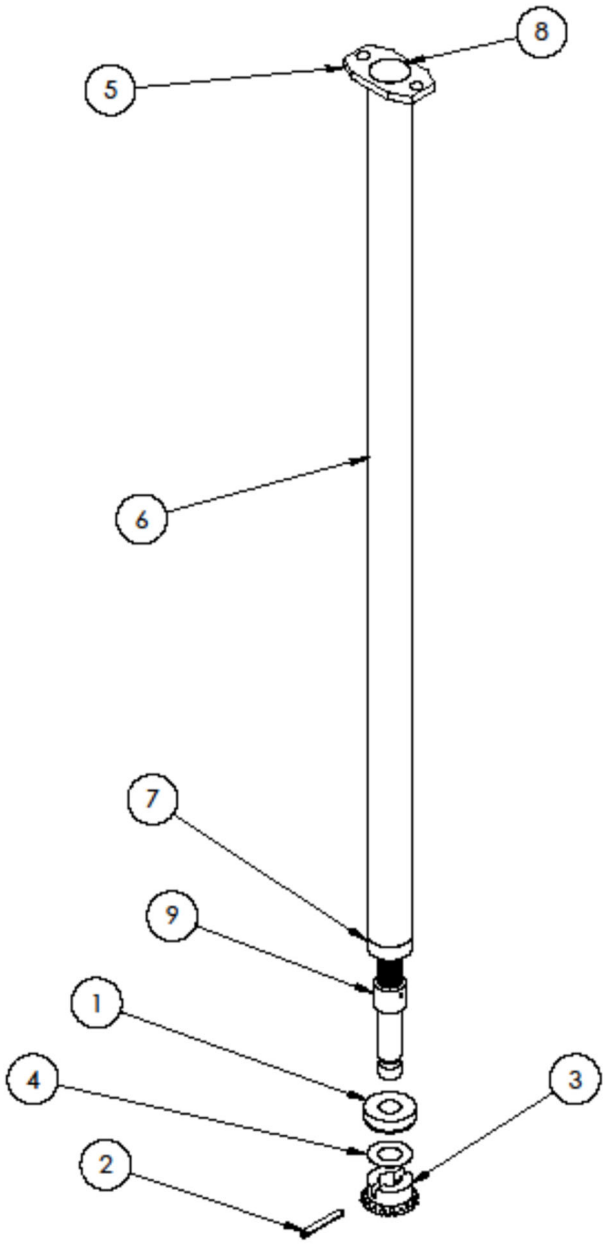

096742-07

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	080501-00	Thrust Bearing	1
2	123615-19	3/16" x 1 1/2" Roll Pin	1
3	061381-02	Bevel Gear	1
4	068647-00	THRUST WASHER	1
5	121262-09	Upper Elevating Plate	1
6	096739-12	Elevating Support Tube	1
7	203147-02	ELEVATING NUT, ELEVATING ASSEMBLY	1
8	080594-02	BOTTOM PLUG, ELEVATING ASSEMBLY	1
9	096741	HD elevating screw assy	1

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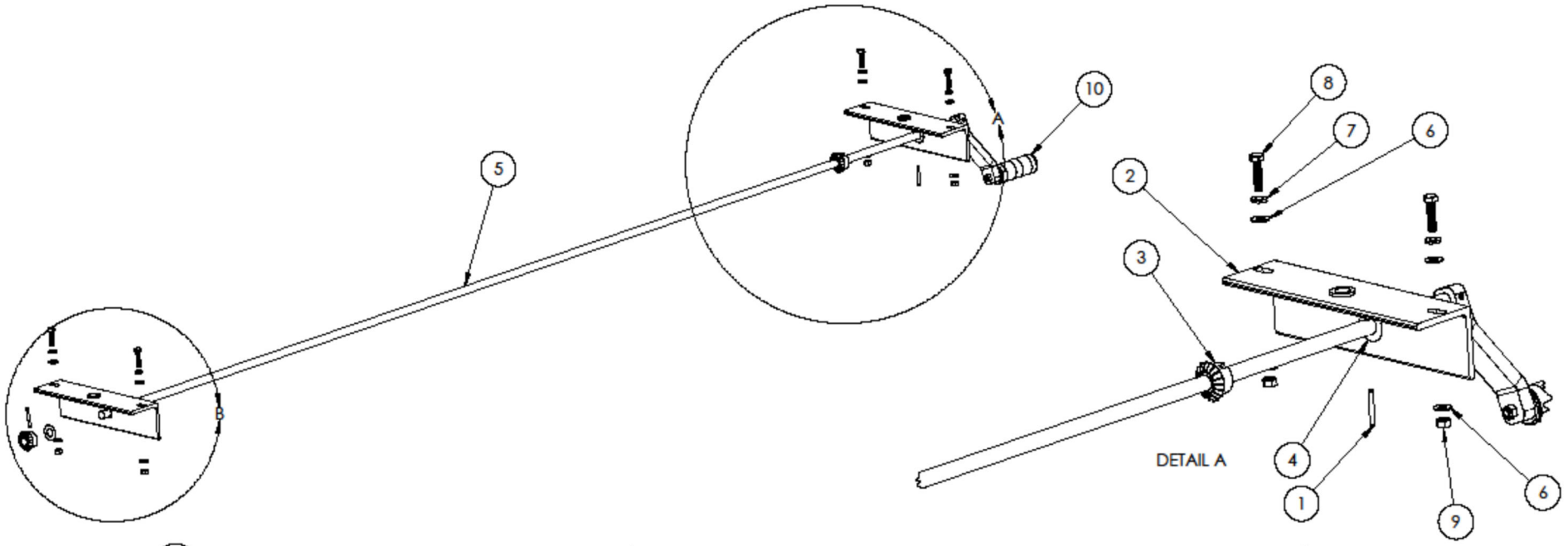

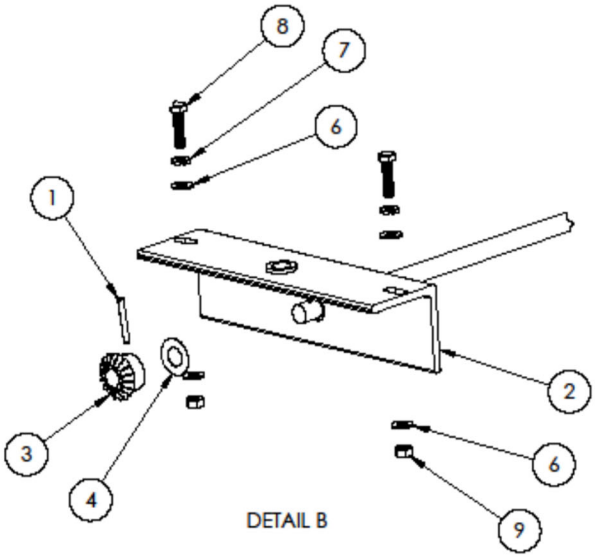

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	123615-19	3/16" x 1 1/2" Roll Pin	2
2	088182-02	Elevation Bracket	2
3	061381-02	Bevel Gear	2
4	068647-00	THRUST WASHER	2
5	068263-10	8' Rod	1
6	099361-16	5/16" FLAT WASHER	8
7	099384-07	5/16" LOCK WASHER	4
8	082104	5/16"-18 x 1 1/4" HEX BOLT	4
9	08028-02	5/16-18 Hex Nut ZP	4
10	070964-03	CRANK HANDLE ASM	1

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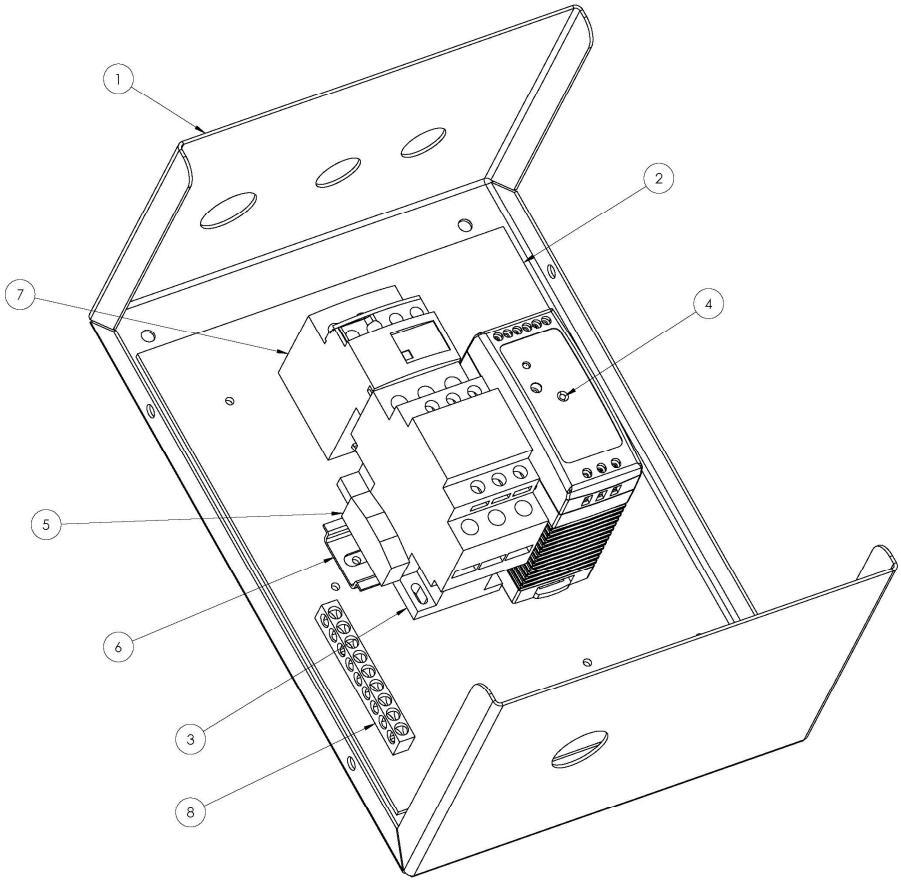
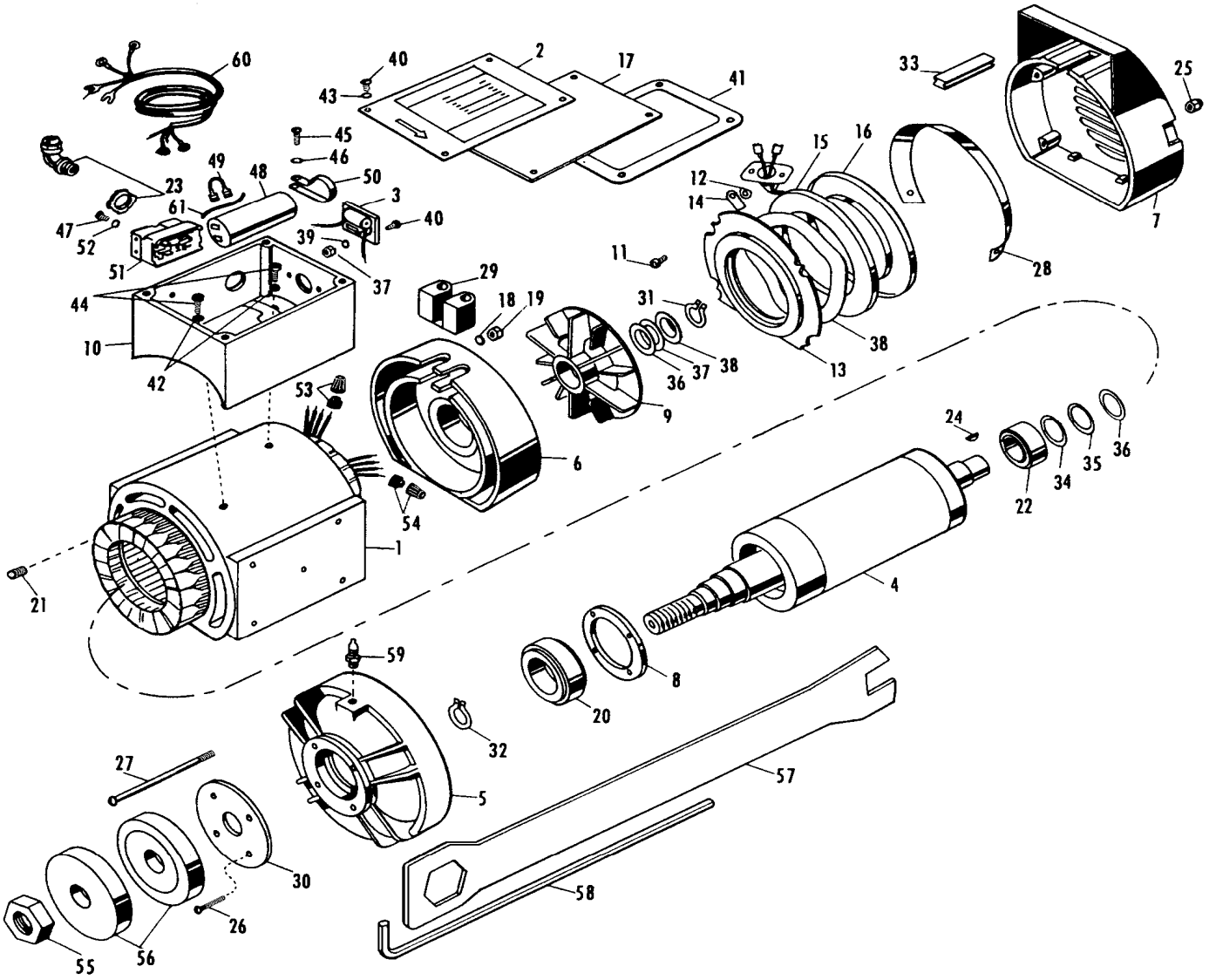
Magnetic Starter Assembly - for non power carriage machines only

Magnetic starter with DC control circuit Super Duty Series



Index No.	Description	Qty	7.5hp 3 phase 230 v	7.5hp 3 phase 460 v	5hp 1 phase 220 v
Entire assembly part numbers			**700740-23-230**	**700740-12-460**	**700750-23-230**
1	Enclosure (2 pcs back and door)	1	201474-28	201474-28	201474-28
2	Sublate	1	201474-28s	201474-28s	201474-28s
3	Contactor	1	122108-82-24vdc	122108-82-24vdc	122108-84-24vdc
4	DC power supply	1	122105-70-100/260	122105-70-200/550	122105-70-100/260
5	End stop (din rail)	2	068720-16	068720-16	068720-16
6	Din Rail	1	hardware item	hardware item	hardware item

Motor Assembly



Motor Assembly

5 HP 1 PHASE 230 V - 123504 7.5 HP 3 PHASE 208/230/460 V - 123505-00 7.5 HP 3 PHASE 575 V - 123505-01

Index	5 HP 1 PH	7.5 HP 3 PH	Description	Qty	Index	5 HP 1 PH	7.5 HP 3 PH	Description	Qty
1			Stators:		34	542004	542004	Shim Washer	AR
	068554-56		230 v 60 cycle	1	35	542252	542252	Shim Washer	AR
		068556-90			36	083799	083799	Shim Washer	AR
		068556-93			37	000407	000407	#8-32 Hex Nut	2
		068556-96			38	083399	083399	Brake Spring	1
2	070266-00	070266-20	Motor Nameplate	1	39	000418	000418	#8 Lock washer	2
3	072222	072222	Brake Module	1	40	099262-10	099262-10	8-32 x 5/8 Screw	4/2
4	123503-01	123503-01	Rotor & Shaft 16"	1	41	067687	067687	Gasket	1
	123503-05	123503-05	Rotor & Shaft 20" & 22"						
5	083384	083384	Arbor End Bell	1	42	000417	000417	#10 Lock Washer	2
6	072227-01	072227-01	Fan End Bell	1	43	000418	000418	# 8 Lock Washer	4
7	083387	083387	Fan Housing	1	44	096994	096994	10-24 x 2 Phil Panhd	2
8	083419	083419	Bearing Cap	1	45	99249-05		10-24 x 3/8 Panhd Mach	1
9	096603	096603	SD Motor Fan & Liner	1	46	099384-07		5/16 Lock Washer	1
10	068293-02	068293-01	Conduit Box		47	099262-10		8-32 x 5/8 Screw	2
11	697162	697162	10-24x3/8 Sochd Cap Scrw	4	48	083382-01		Capacitor	1
12	000417	000417	10-24 Lock Washer	4	49	123484		Capacitor Lead	1
13	083396	083396	Brake Disk	1	50	068873		Capacitor Clamp	1
14	068532	068532	Retainer	4	51	068595-01		Relay	1
15	068593	068593-01	Brake Coil	1	52	000418		# 8 Lock Washer	2
16	070081	070081	Coil Housing	1	53	081733	081733	Wire Connector	4
17	067686	067686	Conduit Box Cover	1	54		081730	Wire Conn Brake Lead	6
18	084173	084173	1/4" Lockwasher	4	55	081433	081433	Arbor Nut	1
19	038738	038738	1/4-20 Hex Nut	4	56	101820-01	101820-01	4" Arbor Collar	2
20	123413	123413	Ball Bearing	1	57	301020-02	301020-02	Arbor Wrench	1
21	068703	068703	5/16-18 x 1/2 Soc Set Scrw	2	58	203511	203511	Wrench	1
22	123506	123506	Ball Bearing	1	59	103859	103859	Guard Stud 16" ONLY	1
23	068820-07	068820-07	3/4 NPT Nut	1	60			**Motor Cables:**	
24	026587	026587	Woodruff Key	1		096725		208/230V 1 Ph 60 Hz	1
25	066966	066966	1/4-20 Hex Cap Nut—Brass	4			096780	208-575V 3 Ph 50/60 Hz	1
26	082323	082323	10-24 x 1 3/8 Flathead Scr	4	61	123485		Capacitor Jumper	1
27	083388	083388	Tie Rod 16"	4					
	084647-01	084647-01	Tie Rod 20" & 22"						
28	083932	083932	Air Baffle	1					
29	072701	072701	Lead Grommet	1					
30	070786	070786	Cover Plate	1					
31	542253	542253	Retaining Ring	1					
32	541351	541351	Retaining Ring	1					
33	083898	083898	Slot Bushing—Rubber	1					

✦ Not used with NB Motors

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Industrial Use Warranty Information

Your new Original Radial Arm Saw is precision manufactured under strict quality standards. In the unlikely event there is trouble with your machine, the Original Saw Company warrants the machine for the period of one year from the date of purchase. The warranty covers defects in materials and workmanship. We will cover the cost of the defective part and ground shipping. If a replacement part is sent under warranty the defective part must be returned to Original Saw Company or you will be charged for the replacement. The part must also be accompanied by a return goods authorization number. This number can be obtained by calling customer service at 1-800-733-4063. When the part is returned it may be

IMPORTANT	IMPORTANT	IMPORTANT
To assure product reliability, repairs, maintenance and adjustments should be performed by Authorized Service Centers, always using genuine replacement parts.		

For parts or service please contact Original Saw for the dealer nearest you.

465 Third Ave SE

P.O. Box 331

Britt, IA 50423

PH 800/733-4063 641-843-3868

FX 641 / 843-3869

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