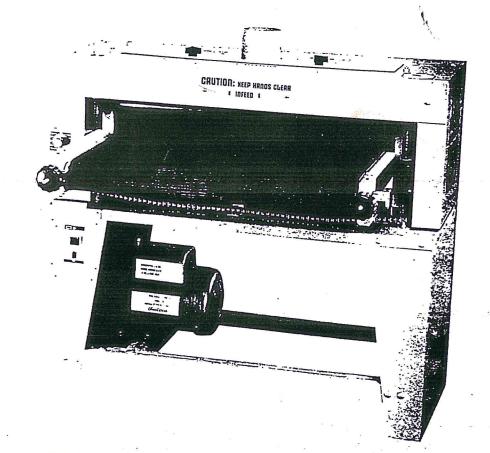






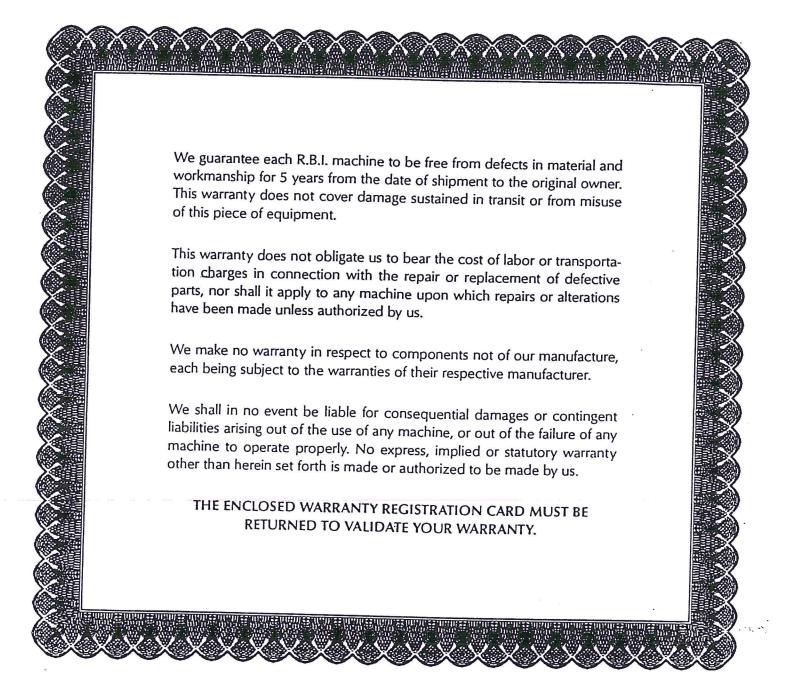
FOR MODEL 426 DRUM SANDER





READ THOROUGHLY BEFORE OPERATING





TO VALIDATE WARRANTY: CUSTOMERS MUST MAIL IN WARRANTY CARD UPON RECEIPT OF MACHINE.

Note: Before calling the factory for assistance please consult your operators manual. If you still have questions after consulting your operators manual our customer service department will be glad to assist you.

rbindustries, inc.

1801 Vine Street P.O. Box 369 Harrisonville, MO 64701 1-800-487-2623 (816) 884-3534 FAX: (816) 884-2463

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FORWARD

The Model 426 Drum Sander is designed for the professional. It is designed for ease of operation, maintenance, and adjustment by the operator with his safety in mind. As with any piece of equipment the operator should become familiar with it. To do this, the operators manual should be thoroughly read and understood.

CAUTION: Safety doesn't just happen, it is planned!
Accidents don't just happen, they are caused!

Read and practice the safety precautions. Follow the instructions provided in the operator's manual.

SPECIFICATIONS (MODE	L 426 DRUM SANDER)	
Sanding	Max. Depth of Cut Per Pass (3HP Motor, 80 Grit)	1/128"
	Max. Width of Stock	26"
	Max. Thickness of Stock	4"
	Shortest Piece of Stock	5"
	Feed Rate (Self Feeding)	6.10 ft/min
Machine Size	Machine Width	38-1/2"
	Machine Length	43"
	Machine Height	39"
c = !: = =	Machine Weight (without motor)	3.85 lbc
Sanding Drum	Diameter (Single Drum)	4"
	Ball Bearings (Self Aligning) Speed	1″ I.D.
Color	Speed	1190 RPM
Std. Motor	Horsepower	3 HP
	Voltage	230 V
	Phase	1 Ph
*	Speed	3450 RPM
	Weight	
	Motor Pulley (Diameter for 3450 RPM Motor)	2.25 in

SAFETY |

- 1. Read the operators manual carefully. Be familiar with the operation of the equipment. Know where he controls are and how to operate them.
- 2. Never allow children to operate equipment. Never allow anyone to operate the equipment without
- 3. Keep the work area clear of other persons.
- 4. Maintain a clean uncluttered work area.
- 5. Never make any adjustments while the machine is running.
- 6. Keep hands and feet away from rotating parts. Keep clear of infeed and discharge openings.
- 7. Disconnect the electrical supply before making any adjustments on the machine (unplug the
- 8. Remove all tools and equipment before starting machine.
- 9. Wear proper clothing. Avoid loose fitted clothing, long sleeves, long hair, gloves, neck tie, jewelry,
- 10. Wear safety goggles, ear protection (ear plugs or covers) and a mask in dusty operations.
- 11. To avoid electrical shock do not operate any electrical powered machine in a damp or wet area.
- 13. Do not operate the machine while under the influence of medication, alcohol, or drugs.
- 14 ever leave the machine running unattended.
- 15. Don't overload the machine, follow the operators manual.
- 16. Keep the equipment in proper working order. Follow recommended maintenance proceeds in opera-
- 17. Do not use lumber with loose knots or splintered surfaces.
- VING: Never operate the sander around an open flame as sanding dust can be extremely W, flammable. Always use a dust collector.

UNPACKING AND ASSEMBLY INSTRUCTION

All of our machines are test run, checked, and adjusted at the factory before shipment. Shipping may cause some misalignment. Report all shipping damage to the carrier, not the manufacturer.

NOTE: The machine should be set on a solid and level floor.

Remove from the shipping carton and check to see that all parts were received without damage. The model 426 drum sander will be shipped in a single crate.

NC . Damaged parts are to be reported directly to the transportation carrier. The manufacturer is not

Crate Contents: Quantity .. Operators Manual (Part #703-0426)1). Valcro Tape Wrap (Installed)1 100 Grit Sandpaper Wrap......2 . Abrasive Cleaner Stick1

OPERATING INSTRUCTIONS

Some woods, such as pine, which have large mounts of gums and resins will load up the sandpape almost immediately and give poor results. These types of woods are not recommended for sanding. It the same way, painted or varnished wood will load up the sandpaper. Sanding wet or green wood is no recommended.

Use the sander to finish pre-dimensioned boards. A lighter sanding pass will produce a smoother surface.

To remove loaded material from the sandpaper, use the abrasive belt cleaner, see USING THE ABRASIVE BELT CLEANER. This item is an accessory and is included with the drum sander.

WARNING: Never operate the sander around an open flame as sanding dust can be extremely flammable. Always use a dust collector.

- 1. With the machine turned off, place the board to be sanded under the infeed roller.
- 2. Raise the table so the board just contacts the roller.
- 3. Remove the board. —
- 4. Turn the crank up three turns. This will allow the board to be close to the sanding head.
- 5. Turn the machine on.
- 6. Begin to move the board straight into the machine.
- 7. After the board is under the sanding head, slowly raise the table until the board contacts the sanding head.
- 8. Feed the board through again, raising the table no more than 1/8 turn of the crank (.0075") for each pass. A lighter pass will produce a smoother surface. On finer grits of sandpaper make multiple passes before raising the table.

WARNING: Trying to take off too much per pass will tear up the sandpaper, make the board feed improperly causing gouges in the board, and possibly damage the machine.

SANDPAPER INSTALLATION

To install the velcro tape follow the same procedure as sandpaper installation.

- 1. Disconnect the electrical source (unplug the machine).
- 2. Remove old paper and velcro tape (if bad). If the velcro tape was removed, clean the old adhesive from the sanding drum using mineral spirits.
- Unwind and cut off 11' of sandpaper.

NOTE: If there is not velcro tape already installed on your sanding head that will need to be done before proceeding with installing the sandpaper. Unwind and cut 15' of velcro tape.

- 4. Wrap the sandpaper around the head one time and mark where it meets the end (see fig. A-1). That should be 12-1/8" for sandpaper and 13" for velcro tape.
- 5. Remove from the head and mark a line on the diagonal using a straight edge. Then cut on the line (see fig. A-2).

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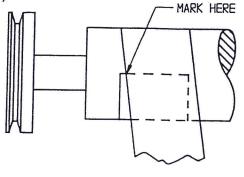


Fig. A-1

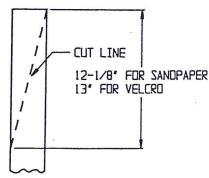


Fig. A-2

6. Apply the sandpaper to the drum in a spiral. Start the cut edge at the drive end of the drum and turn the drum one revolution (see fig. A-3). Then align with the edge of the sandpaper, and continue to turn the drum (see fig. A-4). Make sure the sandpaper is wrapped tight.

OTE: For the velcro tape, remove the paper from the back of the velcro tape on the cut end to expose the adhesive, then apply the velcro tape to the head in a spiral.

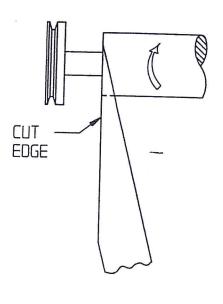


Fig. A-3

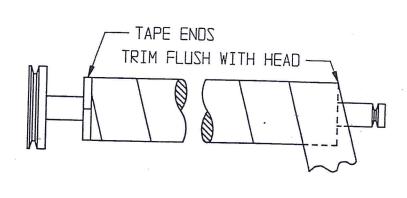


Fig. A-4

- 7. At the opposite end, trim the sandpaper even with the end of the sanding head.
- 8. To keep the ends from coming loose, wrap tape around both ends. Fiberglass reinforced packaging tape works good for this.
- 9. Replace the hood and reconnect the electrical source.

I ISING THE ABRASIVE BELT CLEANER

The abrasive belt cleaner is used to remove loaded material from the sandpaper.

CAUTION: Never allow your fingers below the hood level. When the abrasive cleaner stick becomes too short, replace it.

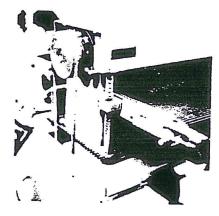
- 1. Remove the wing knobs and open the hood door.
- 2. Turn the machine on.
- 3. Lightly touch the abrasive cleaner stick to the sandpaper moving it back and forth across the sanding
- 4. Turn the machine off.
- 5. Close the hood door and replace the wing knobs.

ADJUSTING THE CONVEYOR BELT TENSION

- 1. Loosen both of the conveyor take-up knobs until there is no more tension on them. Slide the take-up roller to the front of the adjustment slot on both sides.
- ighten both of the conveyor take-up knobs by the same amount until the conveyor belt will not easily slip on the rollers when rocked back and forth by hand.
- NOTE: Over tightening the conveyor belt will pull out the laces and wear the conveyor belt our prematurely.

LUBRICATION

- 1. Oil corner screw and crank screw with 2-4 drops at the top and bottom wear washers and where the screws go through the table, as required for ease of turning the crank handle (see fig. B-1).
- 2. Oil press roller bronze bushings with 2-4 drops on the side of the bronze bushing where it touches the machine frame, and where the shaft goes through the bushing every 20 hours of operation (see fig. B-2). Oil more often under severe use.



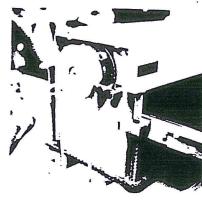


Fig. B-1

Fig. B-2

- 3. Oil bronze bushings for the dual "V" pulleys with 2 drops every 8 hours of operation.
- 4. Electric motor lubrication:
 - A. Sealed bearings No further lubrication required, bearings are lubricated for the life of the bearing.
 - B. For motors with grease plugs in end plates Relubricate while motor is warm and at standstill. Remove and clean all grease plugs, insert grease fitting into upper hole adding a small amount of grease with a grease gun. Run motor 5 minutes before replacing plug. Motors with provisions for regreasing should have bearing grease added every 2,000 hours of operation.

CAUTION: Excessive amount of grease will overheat the bearings.

ADJUSTING THE SANDING DRUM DRIVE BELT

CAUTION: Loose belts can cause vibration.

- 1. Loosen the (4) bolts that mount the motor to the machine.
- 2. Slide the motor to one end of the slots to tighten the belt. Retighten the bolts that mount the motor to the machine.

TABLE LEVELING |

Tools Required: needle nose pliers, gauge block.

- 1. Disconnect the electrical source (unplug the machine).
- 2. Remove the conveyor belt.
- 3. Adjust the drum sander table to obtain approximately six inches between the drum sander table and the base top.
- 4. Set the gauge block on the table and slide it over near the sanding drum.

CAUTION: Do not adjust the table with the gauge block directly under the sanding drum.

- 5. Adjust the table so the gauge block will just touch the sanding drum on one end when slid back and forth under the sanding drum (if the gauge block will just barely touch the sanding drum on both ends the table is level and does not need adjusting).
- 6. Remove the chain connector link (master link) and remove the chain from the corner screw sprockets (see fig. B-3).

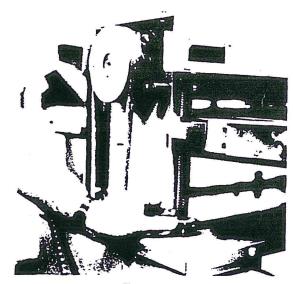


Fig. B-3

7. Push down on each corner of the table to check for movement. If any corner moves adjust that corner screw clock-wise until the corner screw sprockets rest evenly on the base top on all corners.

8. Check the distance between the sanding drum and the table on one side then the other. If one side is more than one-sixtyfourth lower than the other, turn the two corner screws on the lower side clockwise by hand until the gauge block will barely touch the sanding drum on both ends when slid under it (be sure and turn both of the corner screws on the lower side by the same amount).

NOTE: 1/4 turn of the corner screws clock-wise will raise the drum sander table by 1/64 in.

9. When the table is level replace the chain, being careful not to move the corner sprockets (turning the corner screw sprockets changes the level of the table).

NOTE: Oiling the corner screws where they go through the table and at the top and bottom (see LUBRI-CATION) will make the crank easier to turn.

ROLLER CHAIN TIGHTENING

Tools Required: 9/16 in. wrench

- 1. Loosen the chain tightener.
- 2. Put the chain to the inside of the bracket with the pointed side of the bracket against the chain.
- 3. Slide the bracket in until the chain is no longer sloppy and retighten the nut.

 IOTE: The chain should not be taut, over tightening the chain will cause it to wear prematurely.

Problem	NG Possible Causes and Solutions
Spits board out	Motor turning the wrong direction. Rewire motor to reverse the direction.
Conveyor belt does not turn	First check the tension on the conveyor belt (see ADJUSTING THE CONVEYOR BELT TENSION). Then check for belt slippage on the feed drive motor. Check the fuse in the feed control box.
Gouges in board	Too heavy of a cut.
^S nipe	A very small amount of snipe is normal .006". If you have excessive snipe try supporting the outer ends of the board as it enters and leaves the machine.

ACCESSORIES		n n
Part Number "01-2000	<u>Description</u> Velcro, 2" wide, adhesive backed velcro attaches to the sanding drum. the foot, 15' of velcro is required to wrap the sanding drum.	Sold by

All sandpaper is 3" wide, velcro backed for easy reuse. The sandpaper is sold by the foot, and 11' of sandpaper is required to wrap the sanding drum on the 426 drum sander.

801-2060 801-2080 801-2100 J1-2150 801-2180 801-0800	•	60 grit, 3" wide, velcro backed sandpaper. 80 grit, 3" wide, velcro backed sandpaper. 100 grit, 3" wide, velcro backed sandpaper. 150 grit, 3" wide, velcro backed sandpaper. 180 grit, 3" wide, velcro backed sandpaper. Abrasive cleaner stick, increase the life of your sanding belts by removing loaded material from the sandpaper.
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To speed delivery and reduce errors when ordering number of your machine. Use the part number of	g parts always give the name, model number, and serial and description as shown in the parts list. Do not use arts breakdown drawing). Always use the part number
 Give complete machine identification. A. Machine Name	Company
2. Completely identify the part	StateZipTelephone ()
1801 V P.O. I Harrisonville 1-800-4 (816) 8 FAX: (816	stries, inc. ine Street Box 369 e, MO 64701 487-2623 384-3534 5) 884-2463
2. Custoner is custing	way-Dardpaper the opposis on tearing. Vr" wood - This is too tension so yed released tension
E. De Tighter sanding	

ORDERING REPLACEMENT PARTS AND ACCESSORIES

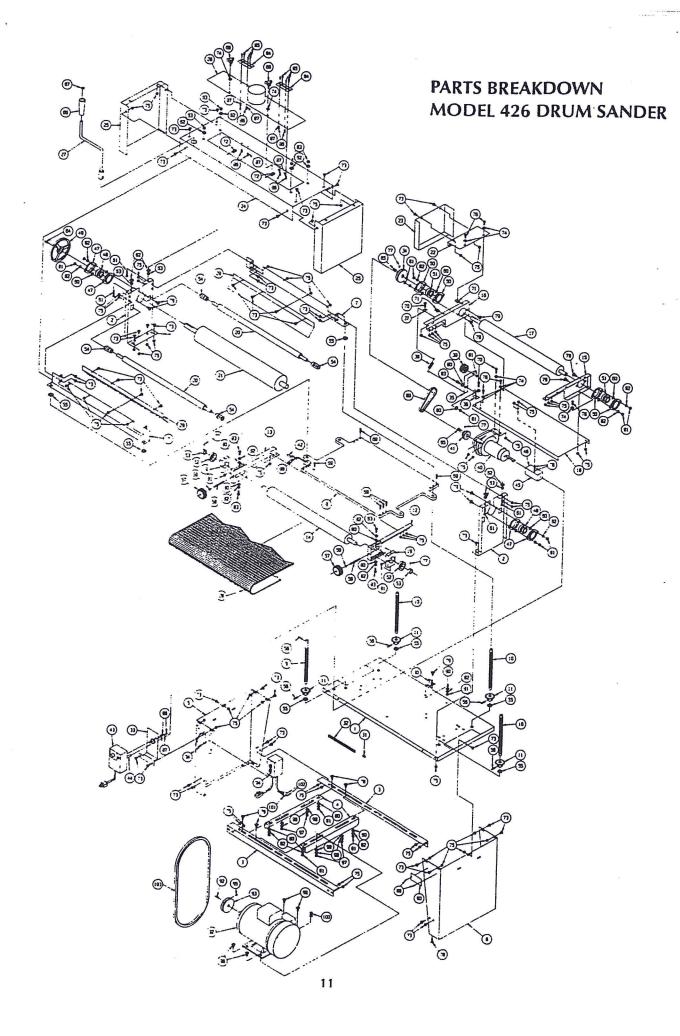
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PARTS LIST MODEL 426 DRUM SANDER

To speed delivery and reduce errors when ordering parts always give the name, model number, and serial number of your machine. Use the part number and description as shown in the parts list. Do not use key numbers (the numbers in the circles on the parts breakdown drawing), always use the part number and description given in the parts list.

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Description 5/16-18 X 3/4" HEX HEAD BOLT HINGES, 4" 10-32 X 1/2" RD HD MACHINE	SCREW 10-32 HEX NUT 3/16 INTERNAL LOCK WASHER	#4 X 1/4" RD HD DRIVE SCREW V-BELT #1210-3/8 X 21	SERIAL TAG, #426 SANDER MANUAL #426 DRITM SANDER	80 GRIT SANDPAPER, 3" X 150FT	VELCRO=2" X 75' ROLL	(ADHES.BKD)	DECAL RBI MADE IN LISA (BOLIND)	DECAL, RBI MADE IN USA, 1.75" X	3.4	DECAL, CAUTION-KEEP HANDS	DECAL, COMMERCIAL-MADE IN	USA	DECAL, 4" PLANER SCALE	DECAL, KEEP ALL GUARDS	(LARGE)	DECAL, WAKNING-POWER CORD	3HP MOTOR PACKAGE for #476	MOTOR, 3HP/1PH, BALDOR, REV	PULLEY, MOTOR, #426	PLANER POWER CORD & SWITCH	1/4-20 X 1/4" SSS (CUP POINT)	5/16-18 X 3/4" CARRIAGE BOLT	3/16-18 HEX NOT	5/15 CD IT I OCK WAS 1/2	3/8" ROMEX CLAMP (FOR 7/8"	HOLE)	TERMINAL, SPADE, YELLOW, 10-	12AWG	WIRE NUT, YELLOW, MAX. 3-#12	V-BELT #6856-1/2 X 56 NOTCH DECAL, WARNING	
Part # 795-0063 638-0049 745-0106	745-0107	770-0052 745-0162	706-0426	801-2080	801-2000	801.0800	702-0002	702-0015	,000	102-0204	702-0029		702-0214	702-0014	745.1336	0771-667	OTOR PACK	704-1008	626-0030	745-0328	770.0179	270.007	745-0150	770-0178	795-0051		745-0681	1	705 007 4	745-0226	
Key # 083 084 085	086	880	090														3HP M	092	093	094	096	000	098	660	100		101		707	3	
710		4 (<mark>- 7</mark>	4 6	7	v 4	80	ري د	7 0	1 7	80	4	& (× -	- 2	·	_	7	12	m c	7 0	22	10	73	8	5	4	1.5	17	17	
Description POINTER, #426/438 VARIABLE SPEED CONTROLLER (KB)	RB-673 ELECTRICAL HANDY BOX RB-674 BLANK COVER FR HANDY BOX	FLANGETTE, FOR 1" BEARING BEARING 1"	PULLEY, 6"OD, 1"ID	FLANGETTE, FOR 3/4" BEARING BEARING, 3/4" (W/ECC.LOC.COL.)	BEARING, 1-5/8"OD X 3/4"ID	5/8"ID FEED ROLLER BUSHINGS	5/8"ID X 1-1/8"OD X 18GA WASHER	CONVEXOR TAKE UR KNOD	5/16·18 X 3" THREADED ROD	1/4"ID X 3/4"OD X 1/16" NY. SPACER	5/16"ID X 3/4" OD X .010"NY.SP.	3/8-16 X 1-1/4" HX HEAD BOLT	3/8 FLAT WASHER 3/8-16 HFX NI IT	1/4" X 3/4" SOUARE KEY	3/16" X 1" SQUARE KEY	PLASTIC HANDLE GRIP	1/2"ID RETAINER PLANER HANDLE	1/4-20 X 1", 3 PRONG KNOB	1/4-20 A 3/4" SKI HD CAP SCREW	1/4:20 U-NUT FOR 10GA	1/4-20 J-NUT FOR 14GA	1/4-20 X 5/8" CARRIAGE BOLT	1/4 FLAT WASHER	1/4-20 FLANGED LOCK/WHIZ NUT	1/4.20 X 3/4" HEX HEAD BOLT	1/4-20 X 1/4" SSS (CUP POINT)	1/4:20 X 1" CARRIAGE BOLT	5/16 FLAT WASHER	5/16-18 HEX NUT	5/16 SPLIT LOCK WASHER	
Part # 695-0049 715-1259 745-0731	745-0673 745-0674	745-0058	726-0032	790-0044	790-0018	765-0057	740-0549	638-0043	750-0205	715-0103	745-0720	770.0050	770-0058	745-0093	745-0712	745-0149	745-0164	705-1037	725,0042	738-1041	738-0041	745-0099	745-0177	745-0223	750-0206	715 016	770.0179	745-0150	770-0081	770-0178	
Key# 042 043	046	047	049	051	052 053	054	055	057	058	059	060	5 6	063	064	900	990	067	890	020	071	072	073	074	075	076	07.0				082	
2222		7 -) 4 ·		-			-	7	7 -	. ,		-	7			- ~	-	_		7.29						-	_	_	
Description BASE TOP, #426 SIDE, #426 MOTOR MOUNT SUPPORT, #426 MOTOR MOUNT BAR, #612/8128/	SKIRT, L.H. SIDE, #612/812B/426 SKIRT, R.H. SIDE, #612/812B/426	IOP BAK, #426 TABLE, #426	CRANK SCREW, #612/816/820 CORNER SCREW, #612/816/820	SPROCKET, THREADED	TAKE UP ROLLER BRKT., L.S., #426	TAKE UP ROLLER, #426	DRIVE ROLLER BRKT. 1.5. #426	DRIVE ROLLER, #426	DRIVE ROLLER BRACE, #426	PRESS ROLLER BLOCK, #426	SANDING HEAD, #426	DRIVE BELT GUARD, TOP, #426	DRIVE BELT GUARD, BOTTOM, #426	HOOD TOP, #426	HOOD END, #426	CRANK WEI DARKIT NO 2011	CONVEYOR BEIT #426 7/4/2- 1/2-0	3	CHAIN TIGHTENER	#41 CHAIN MASTER CONNECT	#41 00 150 Control		PULLEY DRIVE POLICE #426	IDI ED ABAA	IDLER ARM BRACKET #476	SPRING TENSION BRACKET, #426	TENSION SPRING	PULLEY, 2" IDLER	GEARMOTOR, 1/6HP, VON WEISE	rulley, GEAR MOTOR, #426	
# Part # 626-0001 626-0002 626-0002 695-0054	645-4137	626-0005	665-1034	665-0004	626-0011	626-0008 626-0008	626-0009	626-0006	626-0018	626-0013	726-0012	626-0022	626-0023	626-0014	626-0015	645-0279	726-0020	626-0017	645-0045	745-0410	745.0313	5160-67	626-0029	626-0019	626-0025	626-0026	745-0063	745-0062	45-0301	0700-070	
Kev # 001 002 003 004	005	800	010	011	013	015	910	017	019	020	021	022	023	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	5 6	5	



1801 Vine Street
P.O. Box 369
Harrisonville, MO 64701
1-800-487-2623
(816) 884-3534
FAX: (816) 884-2463