



Pixall[®]

Vibratory Sorting Table

Parts & Operator's Manual

For machines with serial numbers 705870-XXXXXX and 705880-XXXXXX

LIMITED WARRANTY

Oxbo® International Corporation warrants its new machines to be free from defects in material and workmanship, under normal use and service, for a period of one (1) year from date of delivery to the original purchaser, or five hundred (500) hours of operation whichever occurs first.

Upon satisfactory claim, we will, within a reasonable time, at our option replace or repair defective parts free of charge. Charges for transportation, customs duties or taxes where applicable, installation, correcting defects or making additions will not be allowed, nor will we accept products returned for credit unless the return or correction is authorized by us in writing.

Warranty claims will not be honored, if, in the Company's opinion, such claim was caused by improper use, improper adjustment or failure to properly maintain the machine.

THE REMEDY FOR ANY BREACH OF WARRANTY AND THE ONLY REMEDY FOR THE COMPANY'S LIABILITY OF ANY KIND, INCLUDING LIABILITY FOR NEGLIGENCE, WITH RESPECT TO ANY MACHINE, SHALL IN NO EVENT INCLUDE ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED.

THE OWNER ASSUMES FULL RESPONSIBILITY FOR ANY DAMAGES, INJURIES, ETC. WHICH MAY RESULT IF THE EQUIPMENT IS USED FOR ANYTHING OTHER THAN THE HARVESTING OPERATION IT IS SPECIFICALLY DESIGNED TO DO.

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oxbo

PIXALL® VIBRATORY SORTING TABLE (VST)

Parts & Operator's Manual

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All information in this manual is based upon the latest product information available at the time of publication and is subject to change without notice. Each manual is reviewed periodically and revised to include changes in later editions.

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Pixall® Vibratory Sorting Table (VST)

The Pixall Vibratory Sorting Table (VST) is used to remove broken beans, stones and other small trash from machine harvested product. Up to four persons can sort and pack at the table.

The Pixall Vibratory Sorting Table (VST) aligns beans for easy packing giving a more attractively packed product.

This manual is intended to familiarize those involved with the installation, operation, maintenance and repair of the VST. We recommend that all machine operators become familiar with this operator's manual.

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Safety

RECOGNIZE SAFETY INFORMATION

This is a safety alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



UNDERSTAND SIGNAL WORDS AND COLORS

Safety signs consist of a combination of pictorials, words and colors. Three signal words and three colors indicate the degree of hazard present in the area of the machine where the sign is displayed.

DANGER in white letters on a red background indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING in black letters on an orange background indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury such as when guards are removed.

CAUTION in black letters on a yellow background indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

The pictorials on each sign show the likely consequence of human interaction with the hazard.

FOLLOW SAFETY INSTRUCTIONS

The warnings on these safety signs are for your personal safety and the safety of those working around you. **OBSERVE THESE WARNINGS!** If the signs become worn or illegible, replace them with new safety signs. Order them by part number from you local dealer.



REPLACE SAFETY SIGNS

Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.



FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your dealer.

Learn how to operate the equipment and how to use controls properly. Do not let anyone operate without instruction.

Keep your equipment in proper working condition. Unauthorized modifications to the equipment may impair the function and/or safety and affect equipment life.

If you do not understand any part of this manual and need assistance, contact your dealer.



READ OPERATOR'S MANUAL

Read your operator's manual thoroughly to learn how to operate the machine and how to use controls properly. Do not allow anyone to operate this machine without instruction.

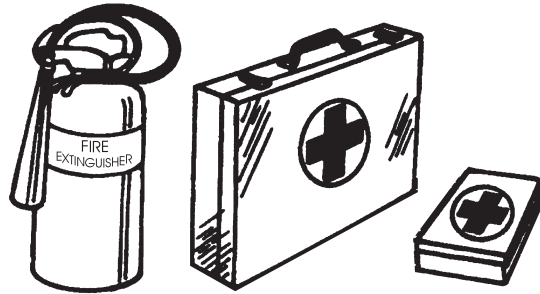


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust engine while it is running. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow engine to cool.

Securely support any engine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on engine.



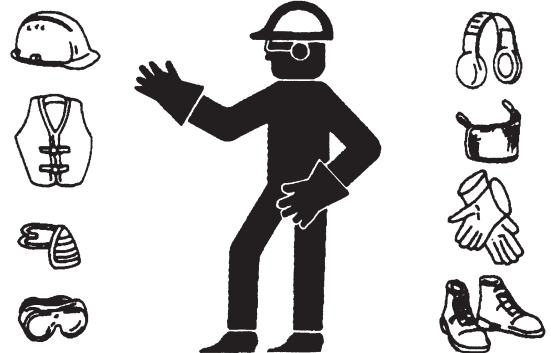
WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



PROTECT AGAINST NOISE

Prolonged exposure to loud noise can cause impairment or loss of hearing.

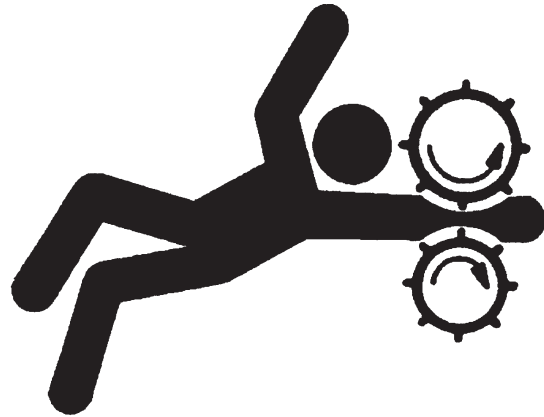
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



SERVICE EQUIPMENT SAFELY

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing, or necklace when you work near moving parts. If these items were to get caught, severe injury could result.

Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



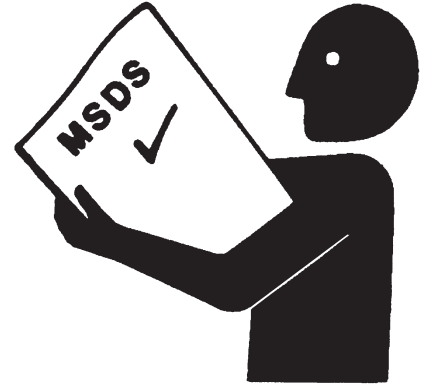
HANDLE CHEMICAL PRODUCTS SAFELY

Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with this equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.

Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and use recommended equipment.

(See your Oxbo dealer for MSDS's on chemical products used with Oxbo equipment.)



DISPOSE OF WASTE PROPERLY

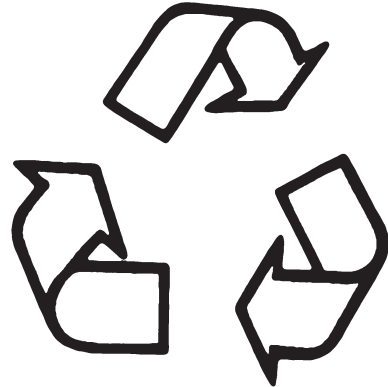
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with agricultural equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.

Air conditioning refrigerants escaping into the air can damage the Earth's atmosphere. Government regulations may require a certified air conditioning service center to recover and recycle used air conditioning refrigerants.

Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your dealer.



REMOVE PAINT BEFORE WELDING OR HEATING

Avoid potentially toxic fumes or dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Remove paint before heating:

- Remove paint a minimum of 101 mm (4in.) from area to be affected by heating. If paint cannot be removed, wear an approved respirator before heating or welding.
- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

Do not use chlorinated solvent in areas where welding will take place.

Repaint only after the weld area has cooled.

Do all work in an area that is well ventilated to carry toxic fumes and dust away.

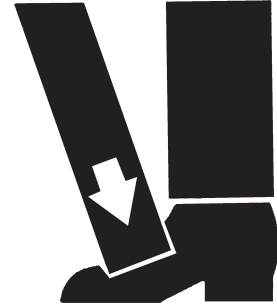
Dispose of paint and solvent properly.



USE PROPER LIFTING EQUIPMENT

Lifting heavy components incorrectly can cause severe injury or machine damage.

Follow recommended procedure for removal and installation of components in the manual.



USE PROPER TOOLS

Use tools appropriate to the work. Makeshift tools and procedures can create safety hazards.

Use power tools only to loosen threaded parts and fasteners.

For loosening and tightening hardware, use the correct size tools. **DO NOT** use U.S. measurement tools on metric fasteners or metric tools on U.S. measurement fasteners. Avoid bodily injury caused by slipping wrenches.

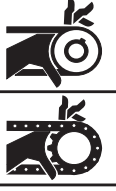
Use only service parts meeting Oxbo specifications.



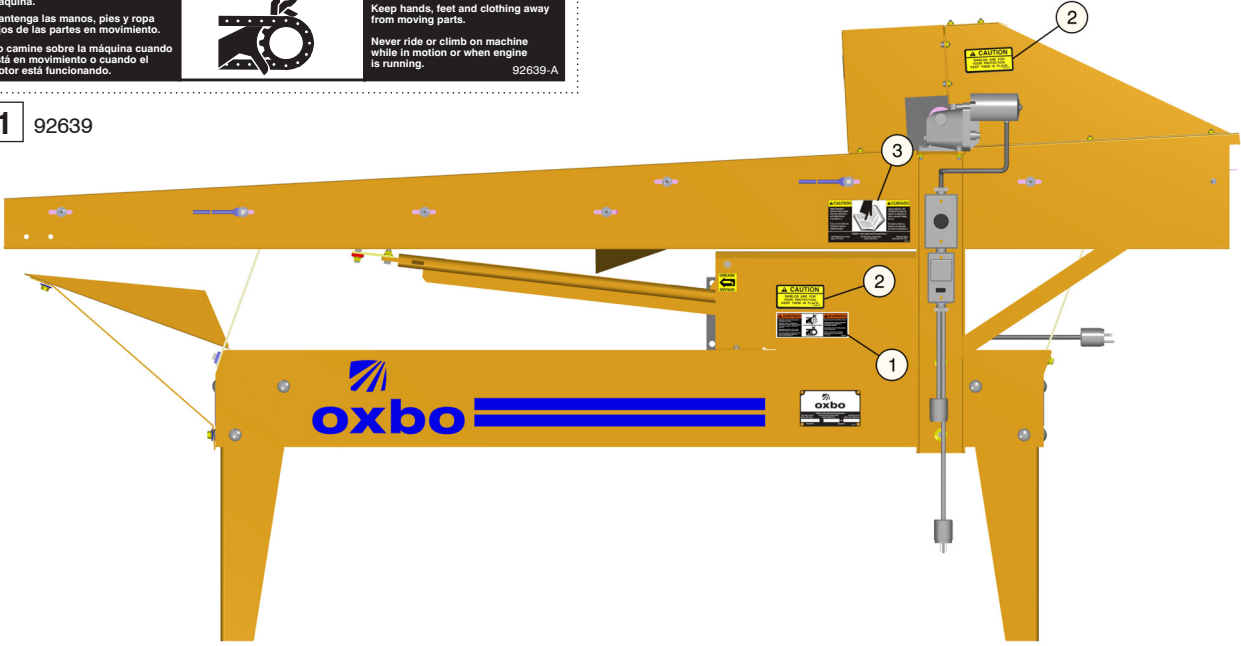
PLEASE NOTE:

In order to take the photographs required for this manual some of the shields and guards were removed. Oxbo International Corporation does not recommend operating this equipment with any shields and guards removed. Make sure all shields and guards are securely fastened in place before operating this equipment.

Safety Sign Locations - Domestic

<p>ADVERTENCIA</p> <p>Mantenga todas las protecciones y defensas en su lugar.</p> <p>Apague el motor y mantenga la transmisión en neutro antes de: hacer un servicio, regular o desatorar la máquina.</p> <p>Mantenga las manos, pies y ropa lejos de las partes en movimiento.</p> <p>No camine sobre la máquina cuando está en movimiento o cuando el motor está funcionando.</p>		<p>WARNING</p> <p>Keep all guards and shields in place.</p> <p>Disengage drive and shut off engine before servicing, adjusting or unplugging machine.</p> <p>Keep hands, feet and clothing away from moving parts.</p> <p>Never ride or climb on machine while in motion or when engine is running.</p> <p>92639-A</p>
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1 92639




CAUTION

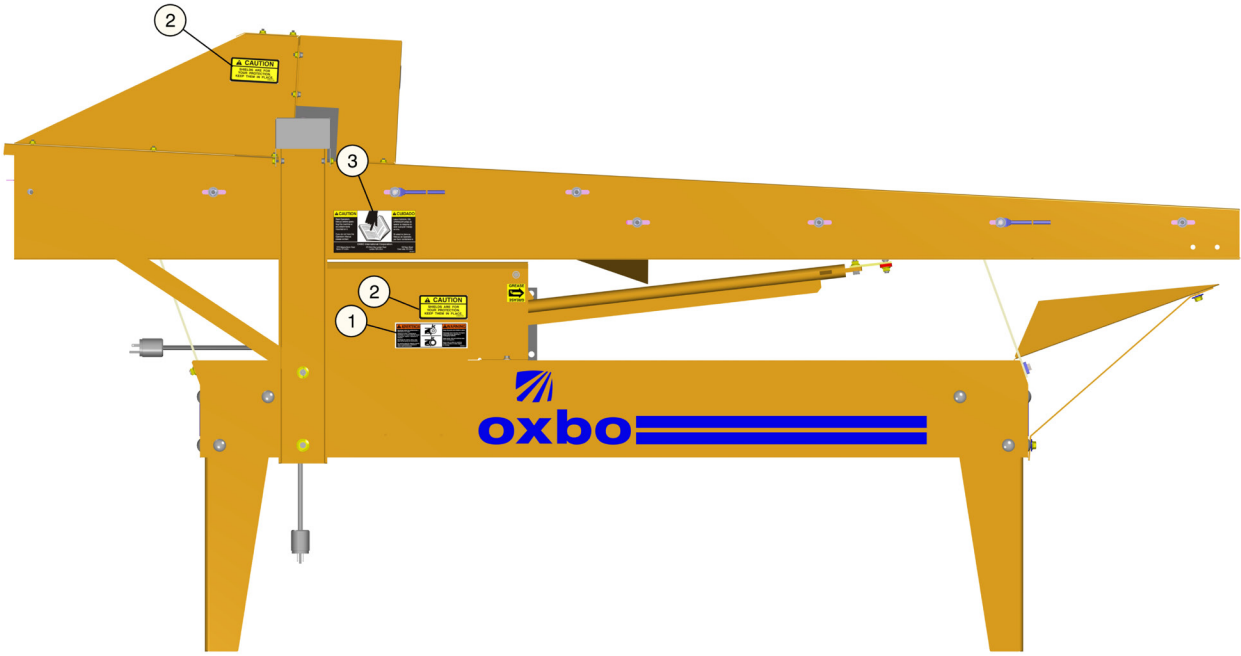
SHIELDS ARE FOR YOUR PROTECTION. KEEP THEM IN PLACE.

#3000-0160



2 3000-0160

<p>CAUTION</p> <p>Read Operator's Manual before operating this machine or any attachments mounted on it.</p> <p>If you do not have the Operator's Manual please contact:</p> <p>7275 Batawie-Byron Road Byron, NY U.S.A.</p>		<p>CUIDADO</p> <p>Lea el MANUAL DEL OPERADOR antes de operar la máquina o usar cualquier trabajo en ella.</p> <p>Si usted no tiene su Manual de Operador, por favor contacte a:</p> <p>190 Egan Street Clear Lake, WI U.S.A. 90122-4</p>
<p>OXBO International Corporation 270 Birch Bay Lynden Road Lynden, WA U.S.A.</p>		

3 90122



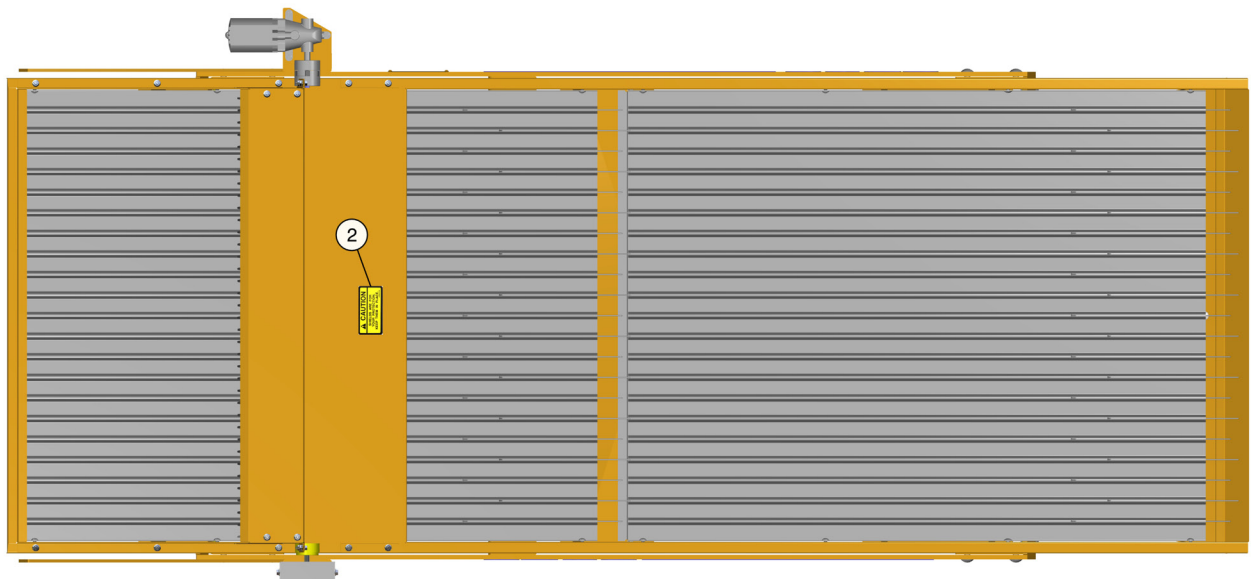
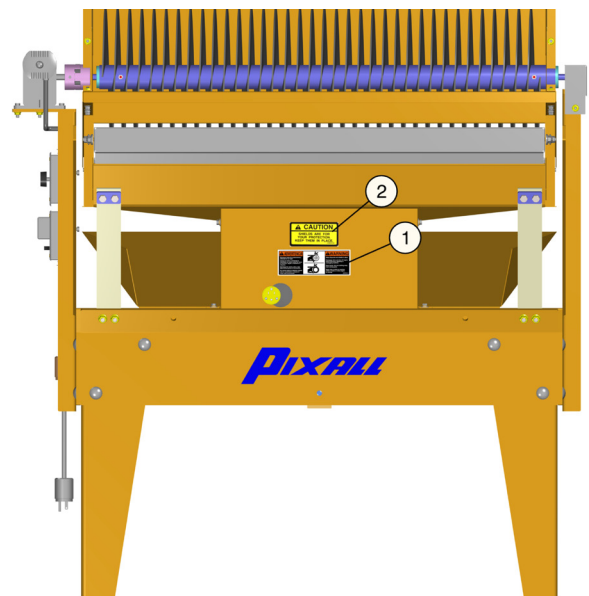
Safety Sign Locations - Domestic

<p>ADVERTENCIA</p> <p>Mantenga todas las protecciones y defensas en su lugar.</p> <p>Apare el motor y mantenga la transmisión en neutro antes de: hacer un servicio, regular o desatorar la máquina.</p> <p>Mantenga las manos, pies y ropa lejos de las partes en movimiento.</p> <p>No camine sobre la máquina cuando está en movimiento o cuando el motor está funcionando.</p>	 	<p>WARNING</p> <p>Keep all guards and shields in place.</p> <p>Disengage drive and shut off engine before servicing, adjusting or unplugging machine.</p> <p>Keep hands, feet and clothing away from moving parts.</p> <p>Never ride or climb on machine while in motion or when engine is running.</p> <p>92639-A</p>
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2 3000-0160

1 92639

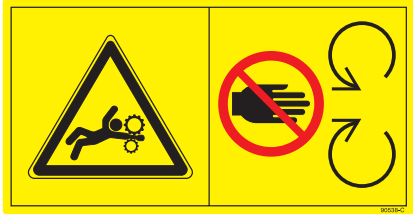


Safety Sign Locations - Europe



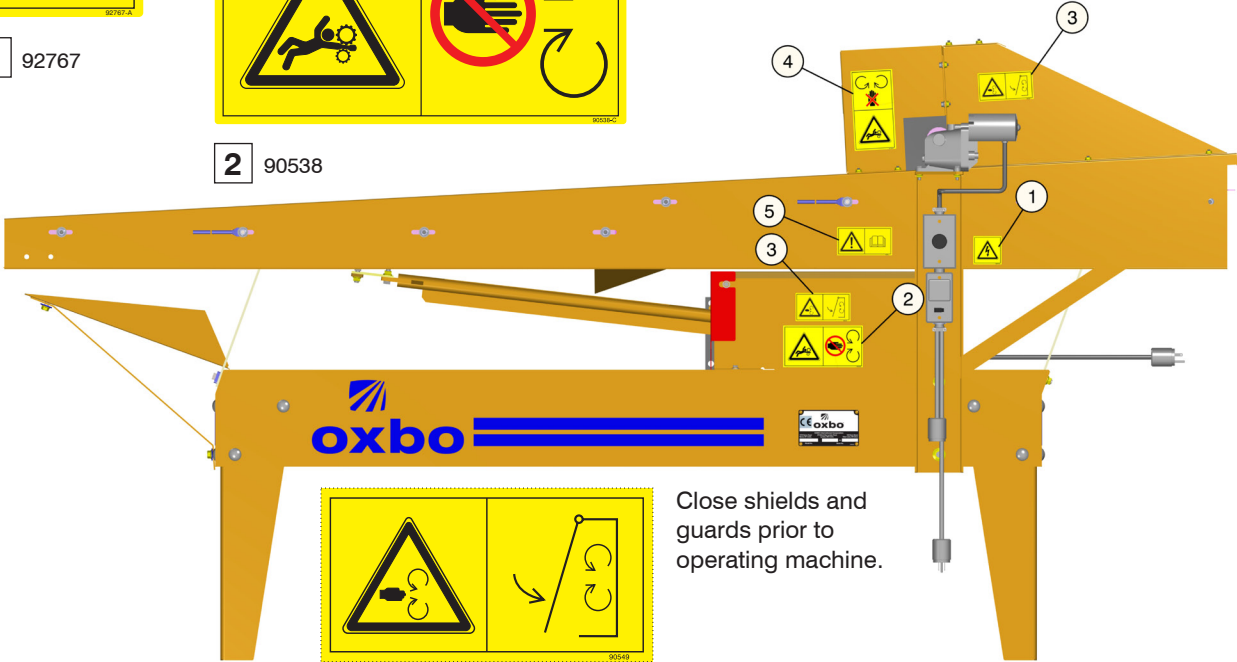
Electrical voltage

1 92767



Stay clear of rotating machine parts.

2 90538



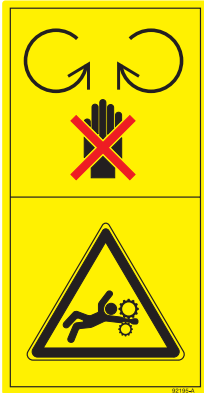
Close shields and guards prior to operating machine.

3 90549



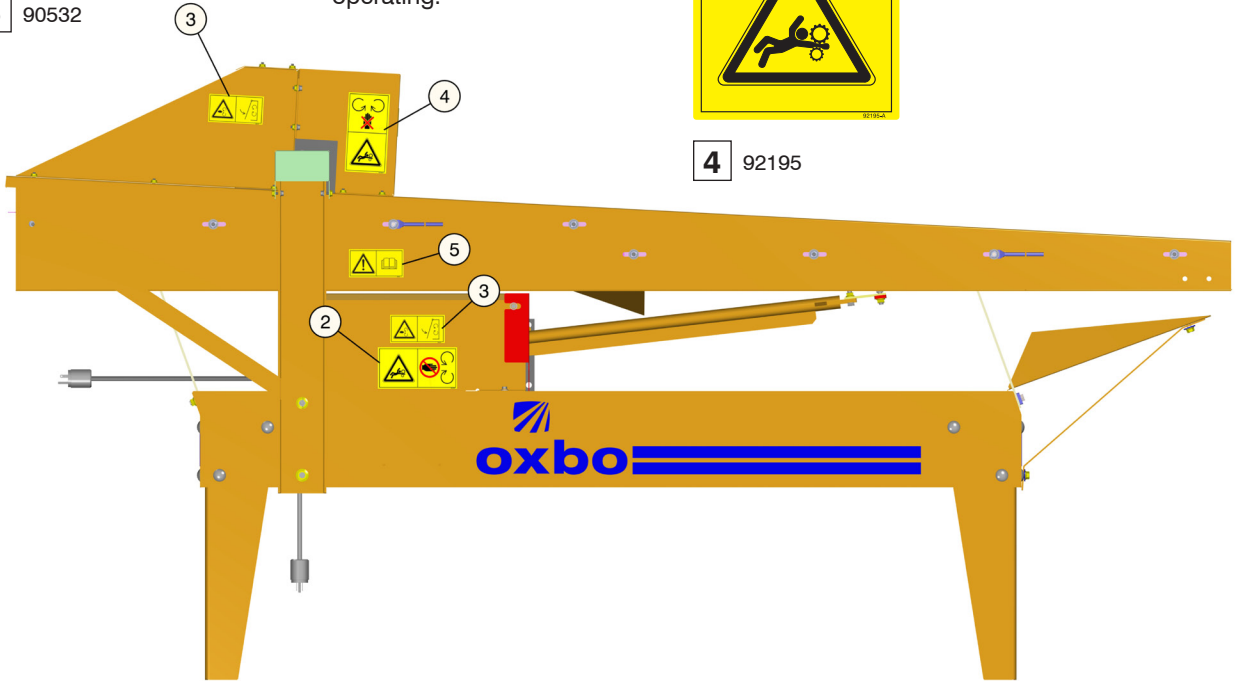
Carefully read operator's manual before handling the machine. Observe instructions and safety rules when operating.

5 90532



Stay clear of rotating machine parts.

4 92195



Safety Sign Locations - Domestic



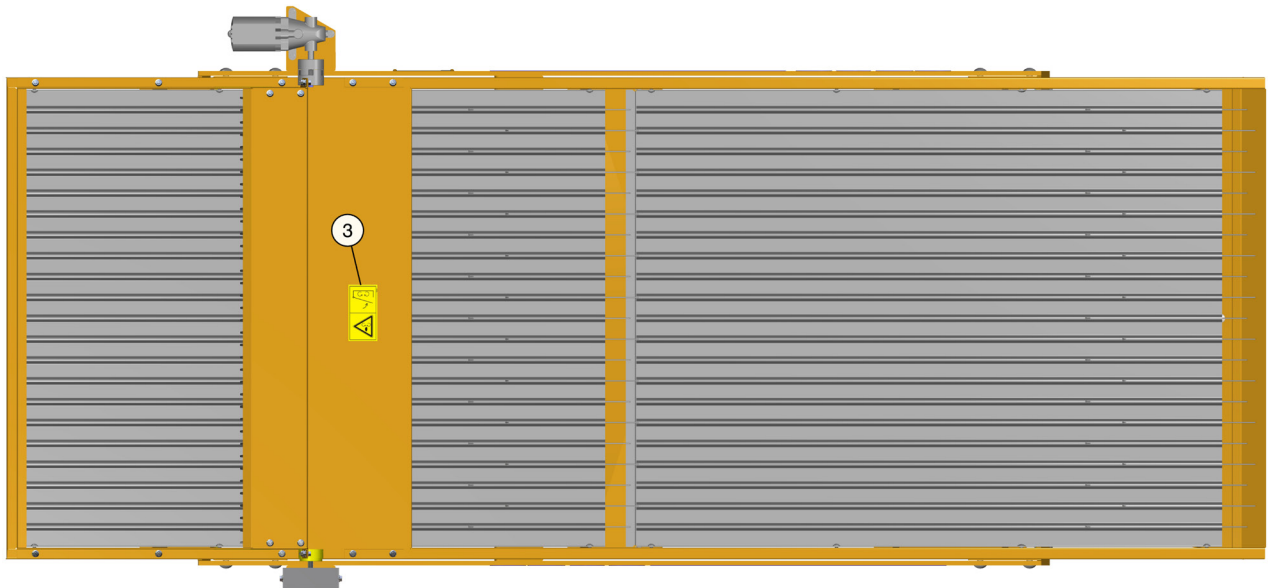
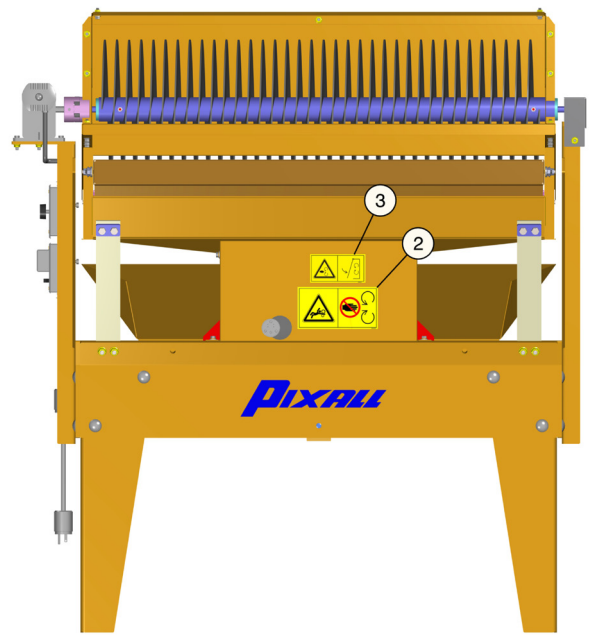
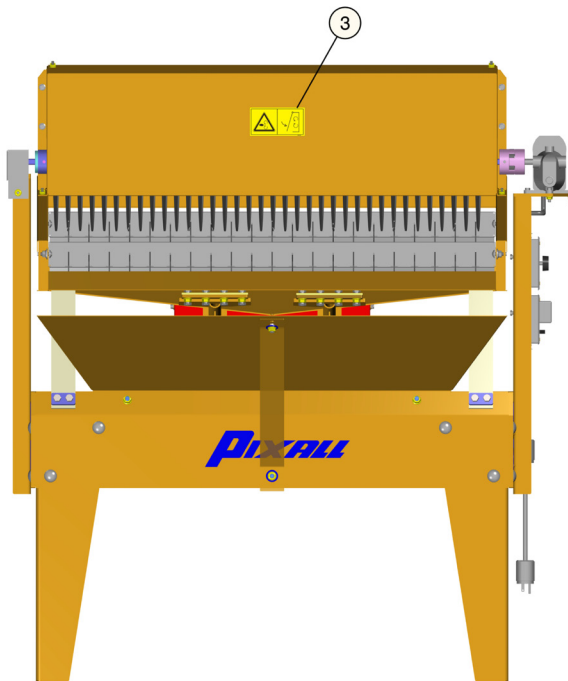
Stay clear of rotating machine parts.

2 90538



Close shields and guards prior to operating machine.

3 90549

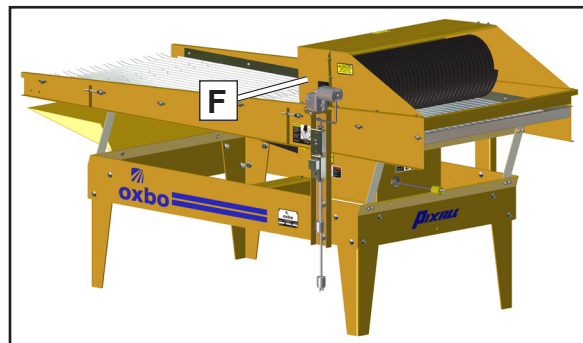
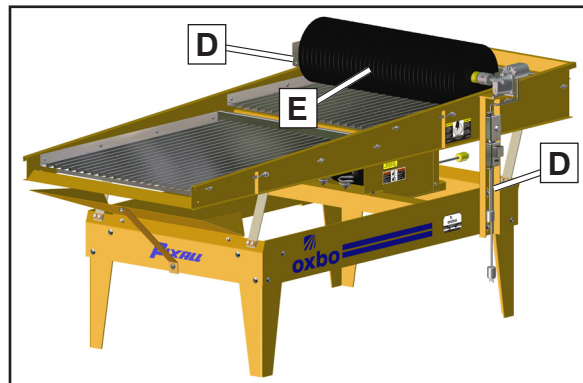
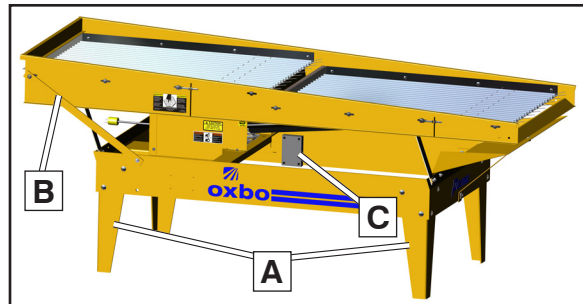
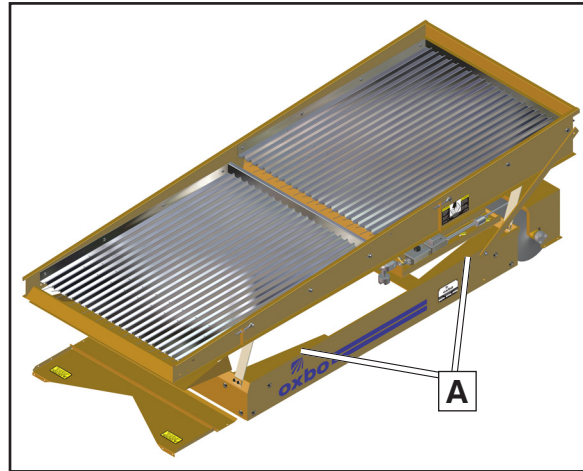


Setup

The Vibratory Sorting Table (VST) may be delivered partially disassembled in a crate. If so carefully remove the crating from around the machine and follow the setup instructions below.

Disassembled parts of the VST may be partially bolted and/or tie wrapped to the frame for shipping. Remove these parts from their shipping locations before assembling the VST. Refer to the repair parts section of this book for more part information.

1. Detach four legs (A) from their shipping position and bolt to main frame in their upright position at each corner.
2. Remove the two shipping brackets (B) from the sides of the table and one shipping block (C) and nylon ties from under the shaker assembly.
3. Attach right and left brush support (D) to the main frame.
4. Attach rotary brush (E) with brush shafts and coupling. Be sure to tighten all set screws.
5. Attach hopper frame (F) to shaker frame.



Settings & Adjustments

BRUSH HEIGHT

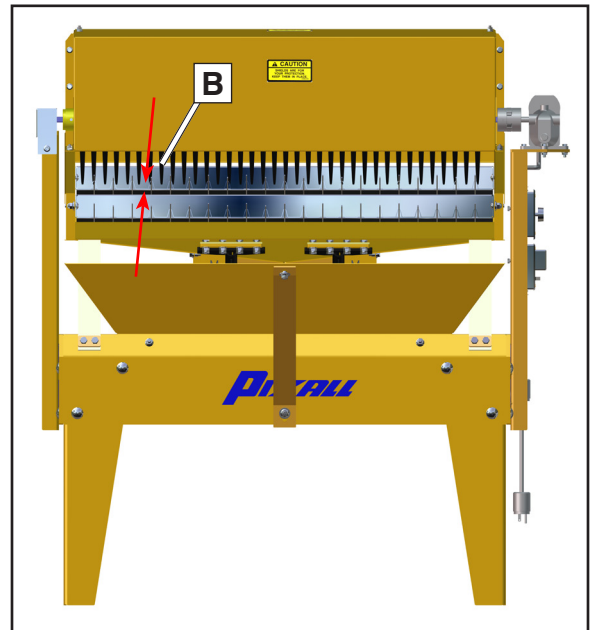
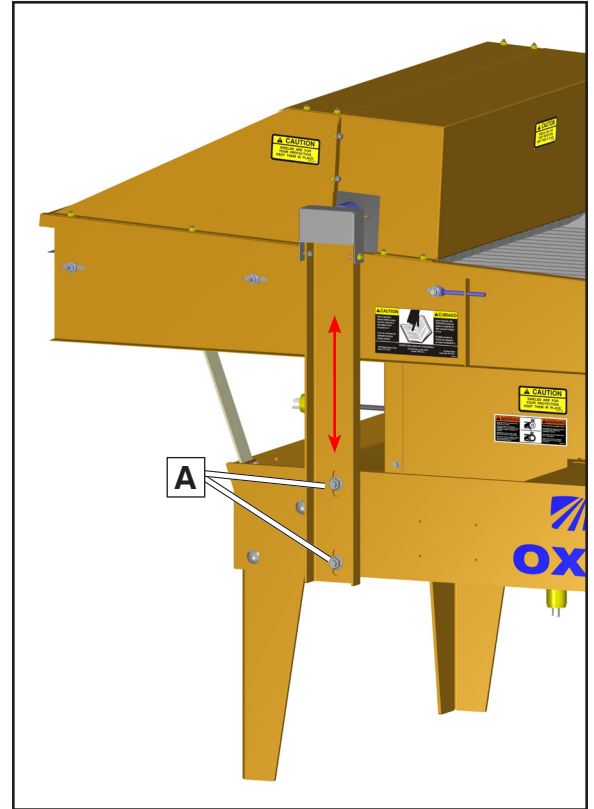
The feed control brush height determines the amount of product which will flow across the VST. The higher the brush is above the shaker pan, the greater the amount of product flow.



WARNING: NEVER MAKE ANY ADJUSTMENTS WHILE MACHINE IS RUNNING. ALWAYS TURN OFF MACHINE AND UNPLUG ELECTRICAL CORD PRIOR TO MAKING ADJUSTMENTS. FAILURE TO COMPLY COULD CAUSE SERIOUS INJURY OR DEATH.

Adjust the brush height as follows:

1. Loosen lower bolts on one brush support (A).
2. Raise or lower the brush support to achieve desired spacing. (B) and then tighten support bolts.
3. Move the other brush support an equal amount. Be sure to adjust each side equally to assure even flow of product.
4. Tighten all brush support bolts.
5. Close the shield.



SHAKER PAN GAP

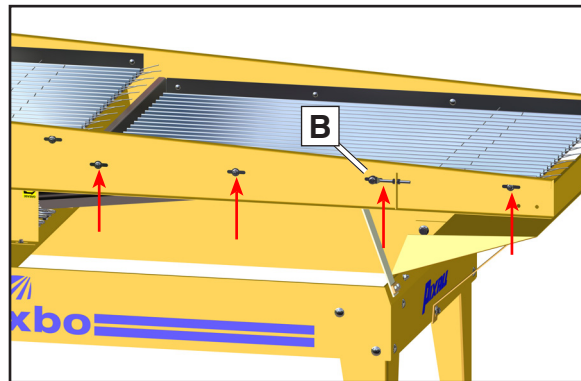
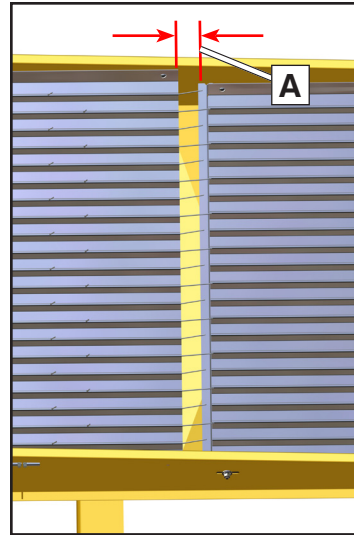
The gap between shaker pans (A) determines the size of bean which will be graded out as it moves down the shaker pan. The wider the span, the larger the bean which will be graded out.



WARNING: NEVER MAKE ANY ADJUSTMENTS WHILE MACHINE IS RUNNING. ALWAYS TURN OFF MACHINE AND UNPLUG ELECTRICAL CORD PRIOR TO MAKING ADJUSTMENTS. FAILURE TO COMPLY COULD CAUSE SERIOUS INJURY OR DEATH.

Adjust the shaker pan gap as follows:

1. Loosen all bolts holding the lower pan.
2. Loosen nuts on lower pan adjustment bolts (B).
3. Slide pan forward or backward to desired gap. Slide pan evenly on both sides.
4. Tighten nuts on adjusting bolt.
5. Tighten all bolts holding the pan.



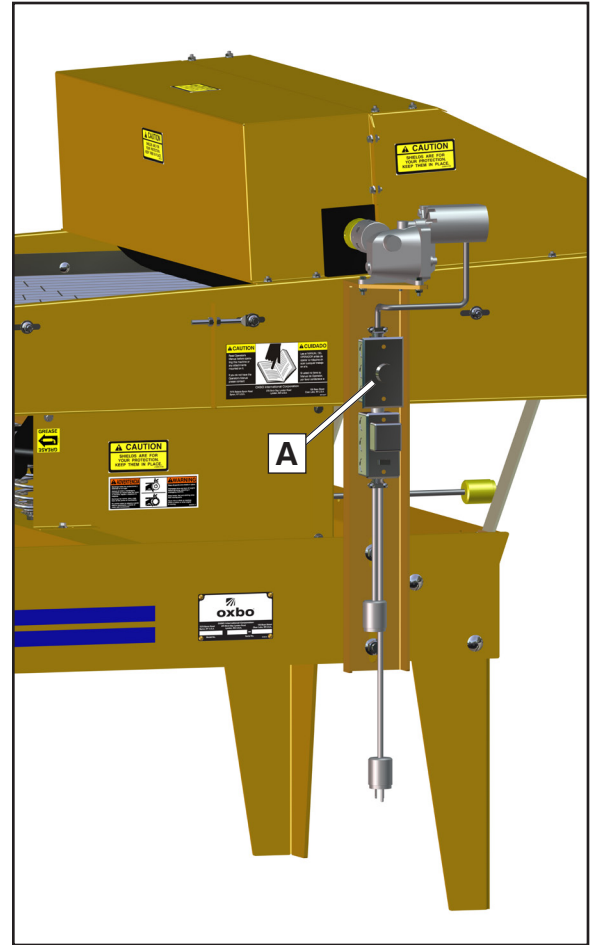
BRUSH SPEED

The feed control brush speed also determines the amount of product which will flow across the table. The faster the brush speed, the greater the amount of product flow.



WARNING: KEEP AWAY FROM MOVING PARTS WHEN THE TABLE IS OPERATING. FAILURE TO COMPLY COULD RESULT IN SERIOUS INJURY.

Adjust the brush speed using the speed control (A) on the side of the table.



Lubrication & Maintenance

PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry. Never lubricate, service, or adjust machine while it is running. Keep hands, feet, and clothing from power-driven parts.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.



WARNING: ALWAYS TURN POWER SWITCH TO OFF POSITION AND UN-PLUG POWER CORD WHEN PERFORMING SERVICE OR MAINTENANCE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY OR DEATH.



MAINTENANCE & LUBRICATION SCHEDULE

Recommended Maintenance Intervals - Hours

Component	Action	10	50	100	250	500	1000	2000	Notes
		(each shift)	(weekly)	(2 weeks)	(monthly)	(3 months)	(6 months)	(yearly)	
Feed control brush	Check	X						X	See <i>Settings & Adjustments</i> Section
Shaker drum	Check	X						X	
O-ring belts	Check	X						X	
Brush bearing	Grease		X					X	#2 lithium grease
Loose hardware	Tighten	X						X	

GREASE POINTS



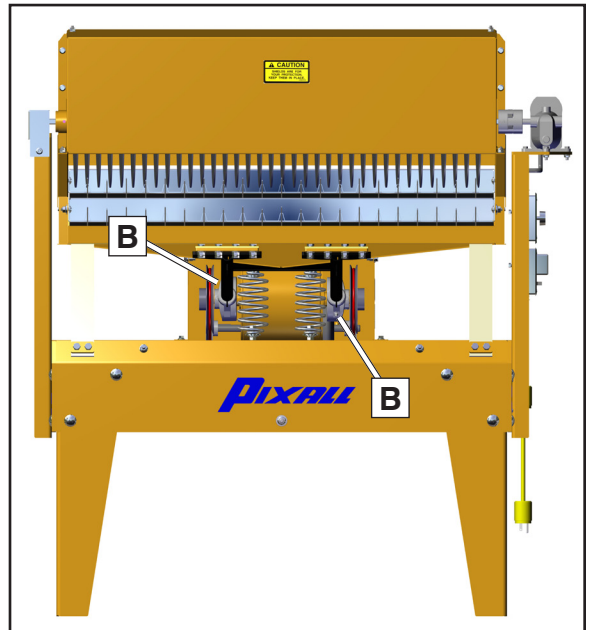
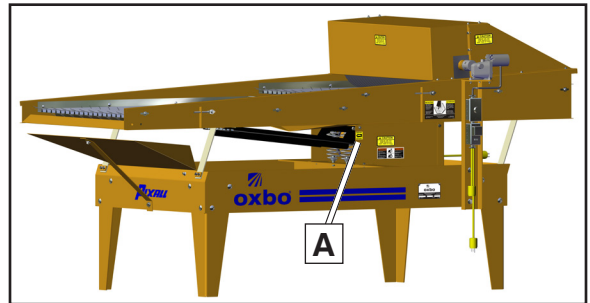
WARNING: ALWAYS TURN POWER SWITCH TO OFF POSITION AND UN-PLUG POWER CORD WHEN PERFORMING SERVICE OR MAINTENANCE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY OR DEATH.

Refer to the *Maintenance & Lubrication Schedule* for lubrication intervals.

Any good quality Multipurpose Hi Temperature/Extreme Pressure grease rated NGLI #2 is acceptable.

IMPORTANT: IF A GREASE FITTING IS MISSING, REPLACE IMMEDIATELY. CLEAN FITTINGS THOROUGHLY BEFORE USING GREASE GUN.

There are two grease points labeled on the machine with grease decals (A). Two shaker push arm bearings (B) must be lubricated as indicated on the maintenance schedule.



Electrical System

ELECTRICAL BOX

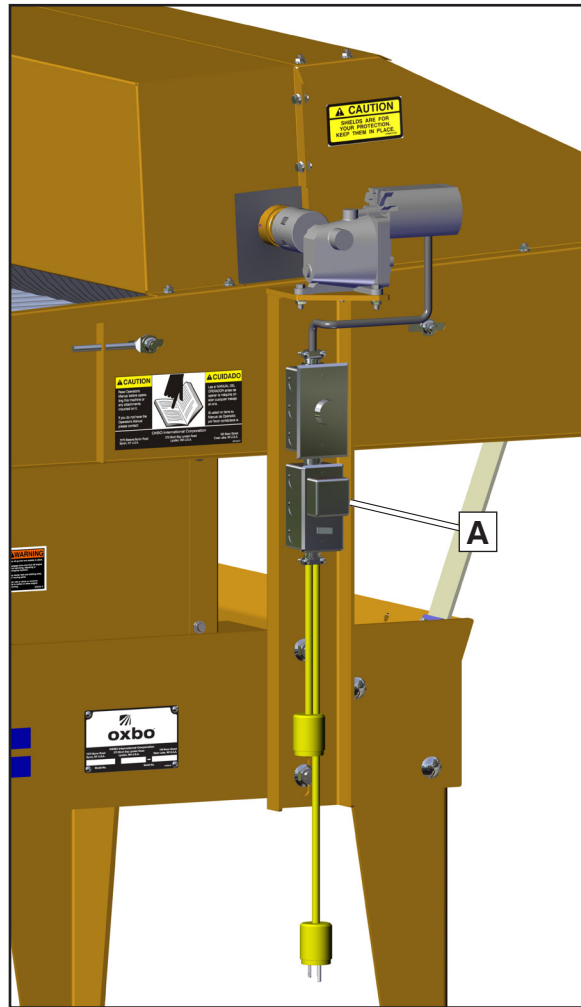
The electrical box (A) contains a 15 amp fuse and an on/off switch.

The fuse protects the circuit from overload, and when blown, must be replaced.

IMPORTANT: KEEP FUSE BOX DOOR CLOSED AND COVER PLATE ATTACHED. DO NOT SPRAY ANY WATER DIRECTLY AT THE BOX. DO NOT ALLOW ANY WATER TO GET INSIDE THE BOX.



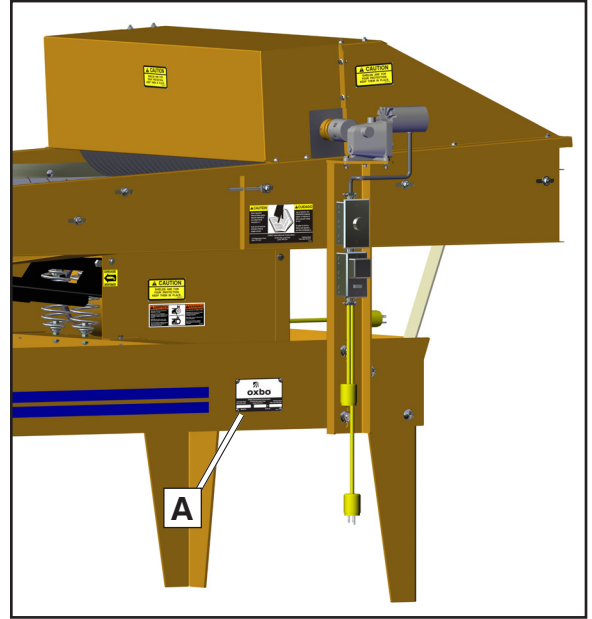
WARNING: ALWAYS TURN POWER SWITCH TO OFF POSITION AND UN-PLUG POWER CORD WHEN PERFORMING SERVICE OR MAINTENANCE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY OR DEATH.



Serial Number

When ordering parts, always furnish the model number and serial number of the machine as stamped on the data plate located on the right rear of the frame (A).

Record your model and serial number in the space provided on the first page of the *Repair Parts Section*.



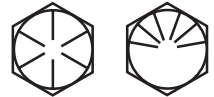





Charts & Specifications

COMMON CONVERSION FACTORS

Length:	Inches to millimeters: x 25.4 Miles to kilometers: x 1.609
Speed:	Miles per hour to kilometers per hour: x 1.6093
Weight:	Pounds to kilograms: x .4536
Area:	Acres to hectare or square hectometer: x .4047
Pressure:	Psi to bar: x .06895 Psi to kPa: x 6.8948
Torque:	Foot-pounds to Newton meters: x 1.3558
Flow:	Gallons/minute to liters/minute: x 3.7848
Displacement:	Cubic inches to cubic centimeters: x 16.387
Power:	Horsepower to kilowatts: x .74571
Liquid:	Gallons to liters: x 3.785

UNIFIED INCH BOLT AND CAP SCREW TORQUE VALUES

SAE Grade and Head Markings	NO MARK	1 or 2 ^b 	5 5.1 5.2 	8 8.2 
SAE Grade and Nut Markings	NO MARK	2 	5 	8 

Size	Grade 1				Grade 2 ^b				Grade 5, 5.1, or 5.2				Grade 8 or 8.2			
	Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a	
	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft
1/4	3.7	2.8	4.7	3.5	6	4.5	7.5	5.5	9.5	7	12	9	13.5	10	17	12.5
5/16	7.7	5.5	10	7	12	9	15	11	20	15	25	18	28	21	35	26
3/8	14	10	17	13	22	16	27	20	35	26	44	33	50	36	63	46
7/16	22	16	28	20	35	26	44	32	55	41	70	52	80	58	100	75
1/2	33	25	42	31	53	39	67	50	85	63	110	80	120	90	150	115
9/16	48	36	60	45	75	56	95	70	125	90	155	115	175	130	225	160
5/8	67	50	85	62	105	78	135	100	170	125	215	160	215	160	300	225
3/4	120	87	150	110	190	140	240	175	300	225	375	280	425	310	550	400
7/8	190	140	240	175	190	140	240	175	490	360	625	450	700	500	875	650
1	290	210	360	270	290	210	360	270	725	540	925	675	1050	750	1300	975
1-1/8	470	300	510	375	470	300	510	375	900	675	1150	850	1450	1075	1850	1350
1-1/4	570	425	725	530	570	425	725	530	1300	950	1650	1200	2050	1500	2600	1950
1-3/8	750	550	950	700	750	550	950	700	1700	1250	2150	1550	2700	2000	3400	2550
1-1/2	1000	725	1250	925	990	725	1250	930	2250	1650	2850	2100	3600	2650	4550	3350

DO NOT use these torque values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

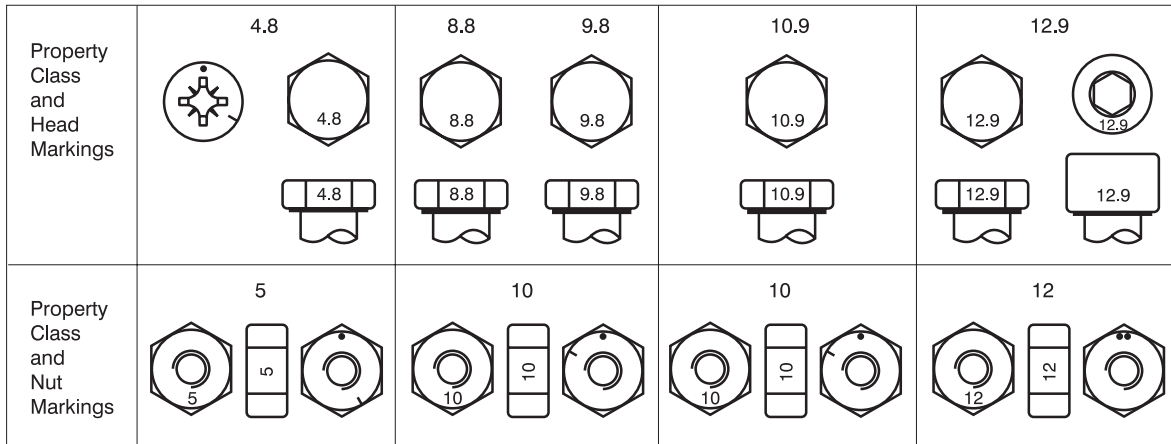
Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

^a "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without any lubrication.

^b Grade 2 applies for hex cap screws (not hex bolts) up to 152 mm (6 in.) long. Grade 1 applies for hex cap screws over 152 mm (6 in.) long, and for all other types of bolts and screws of any length.

METRIC BOLT AND CAP SCREW TORQUE VALUES



Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a		Lubricated ^a		Dry ^a	
	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	225	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

DO NOT use these torque values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class.

Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

^a "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without any lubrication.

Repair Parts Section

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A NOTE ON USING THESE PARTS LISTS

Right or left hand parts are determined by standing at the infeed of the machine and facing in the direction of product travel. The abbreviation "A.R." in the "USED" column means "AS REQUIRED" - the item is used to service a major assembled component or it is used in numbers which may vary between individual machines usually to obtain a particular adjustment or dimension at assembly. When in the course of routine repair disassembly, if a number of shims, flatwashers, etc. are removed, always reassemble with the same quantity.

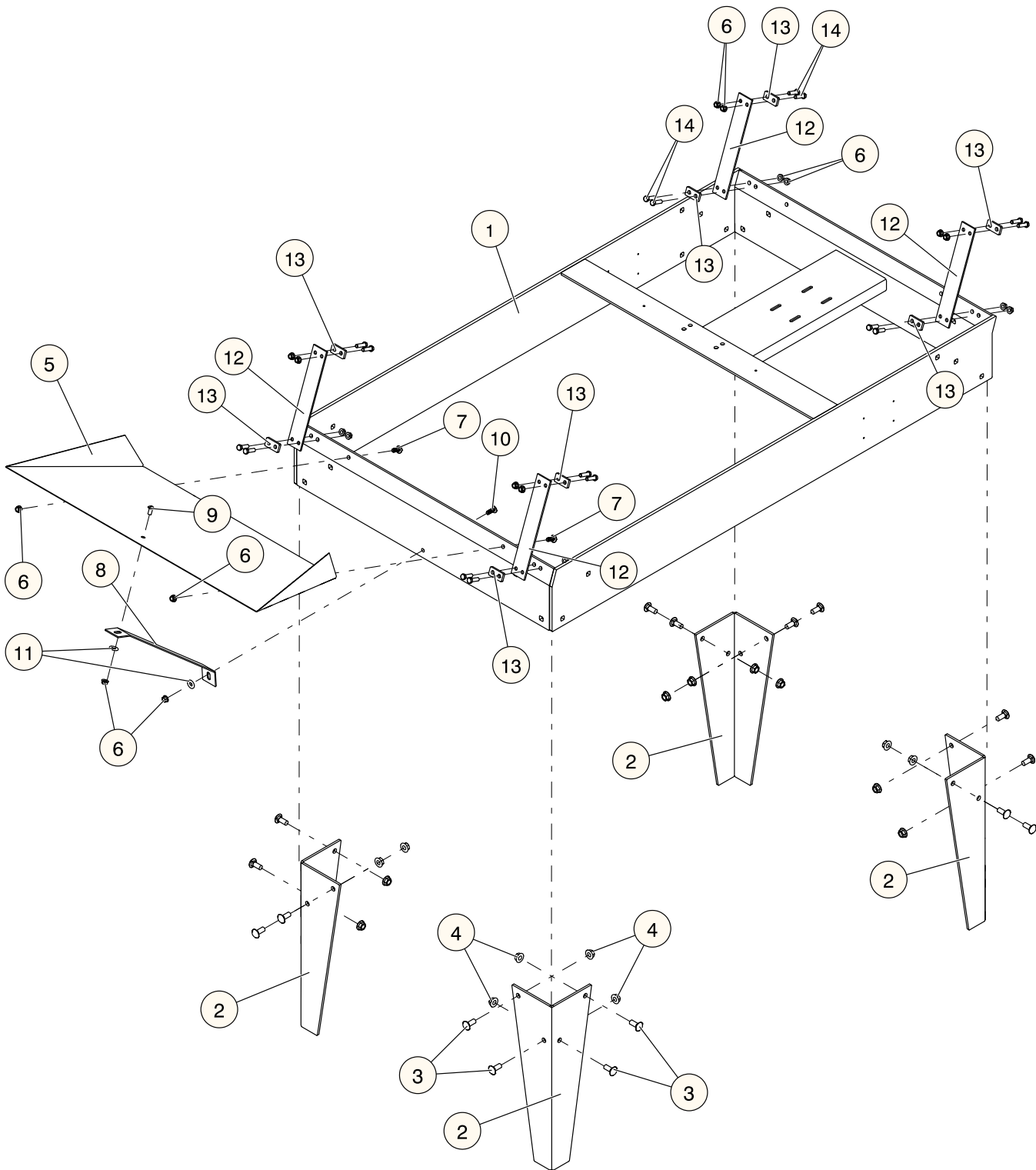
ORDERING REPAIR PARTS

The Pixall VST is designed and built with top quality agricultural grade components. We recommend that repair/replacement parts be obtained from one of the Oxbo International Corporation locations shown on inside front cover. Parts ordered within the United States will be shipped via United Parcel Service (UPS) if less than 150 lbs. and by common carrier if heavier. Faster service can be provided on request. Arrangements for Canadian, Mexican and overseas shipment will be made with the customer at the time of order.

NOTE: Please include serial number when ordering parts. Record your serial number in the space provided.

SERIAL NUMBER

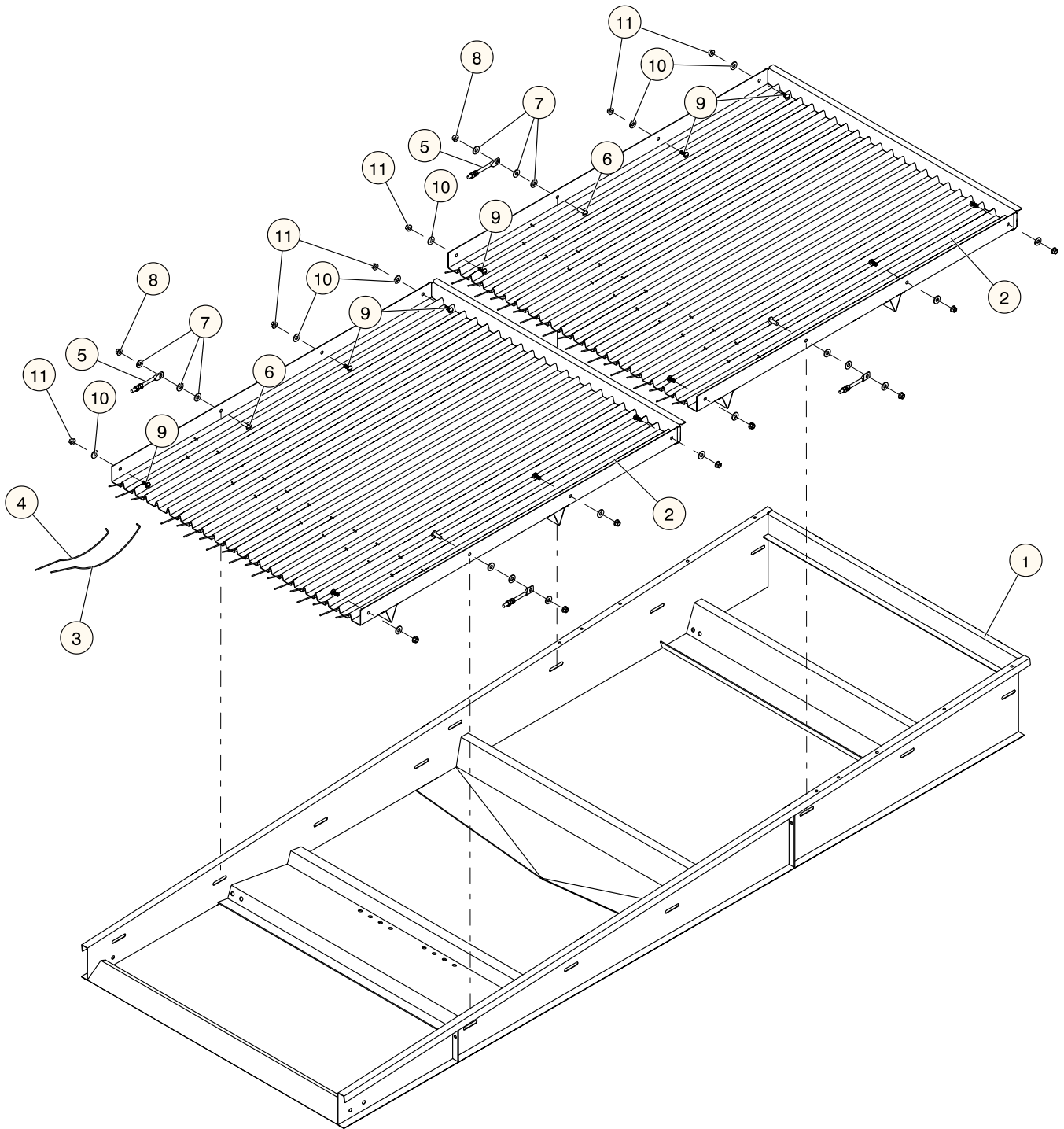
FRAME & RELATED PARTS



FRAME & RELATED PARTS

KEY	P/N	DESCRIPTION	QTY
1	3110-0036	WELDMENT MAIN FRAME	1
2	3110-0034	LEG PLATE .250 HR	4
3	93225	BOLT,CARR,1/2-13X1-1/4 GR5,PLTD	16
4	93525	NUT,1/2-13,WHIZLOC,GR5 PLTD,SERRATED FLANGE	16
5	3110-0035	SHOOT PLATE 16 GA CR	1
6	93523	NUT,3/8-16,WHIZLOC,GR5 PLTD,SERRATED FLANGE	20
7	0002-0123	BOLT TRS HD .375-16 X 1.00 GR5 ZINC SLTD	2
8	3110-0038	BRACE PLATE 11 GA HR	1
9	0002-0617	BOLT SLT RND HD .375-16 X .750 ZINC	1
10	0002-0123	BOLT TRS HD .375-16 X 1.00 GR5 ZINC SLTD	1
11	93603	WASHER,3/8,FLAT PLTD,ANS TYPE A,WIDE	2
12	3110-0041	FIBERGLASS FLEXURE ARM 2 X 12	4
13	3110-0027	CLAMP FLEX ARM PLATE .250 HR	8
14	93054	HHCS,3/8-16X1-1/4,GR5 PLTD	16

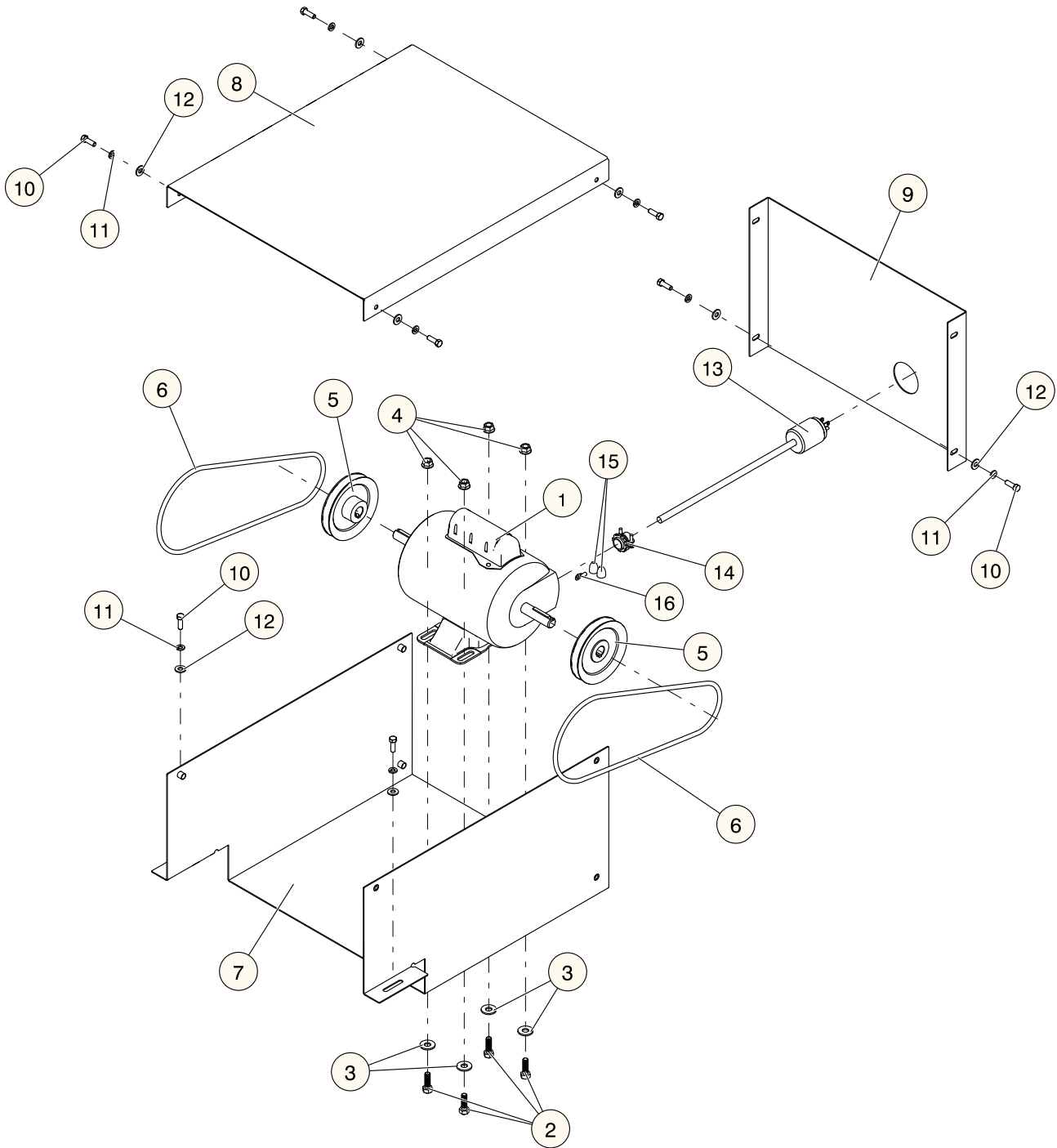
SHAKER TABLE & RELATED PARTS



SHAKER TABLE & RELATED PARTS

KEY	P/N	DESCRIPTION	QTY
1	3110-0002	WELDMENT SHAKER FRAME	1
2	3110-0014	WELDMENT SHAKER PAN	2
3	3110-0019	WIRE FORM 13GA X 15.000 M-B SPRING WIRE	22
4	3110-0018	WIRE FORM 13GA X 12.000 M-B SPRING WIRE	20
5	3110-0013	BOLT TAKE-UP .312-18 X 4 .187 ZN SPECIAL	4
-	93452	NUT,5/16-18,HEX,GR5 UNC,RH,PLTD	8
6	0002-0378	BOLT SLT RND HD .312-18 1.000 ZINC	4
7	93602	WASHER,5/16,FLAT PLTD,ANS TYPE A,WIDE	12
8	93522	NUT,5/16-18,WHIZLOC ZN GR5	4
9	0002-0341	BOLT SLT RND HD .312-18 X .750 ZINC	12
10	93602	WASHER,5/16,FLAT PLTD,ANS TYPE A,WIDE	12
11	93522	NUT,5/16-18,WHIZLOC ZN GR5	12

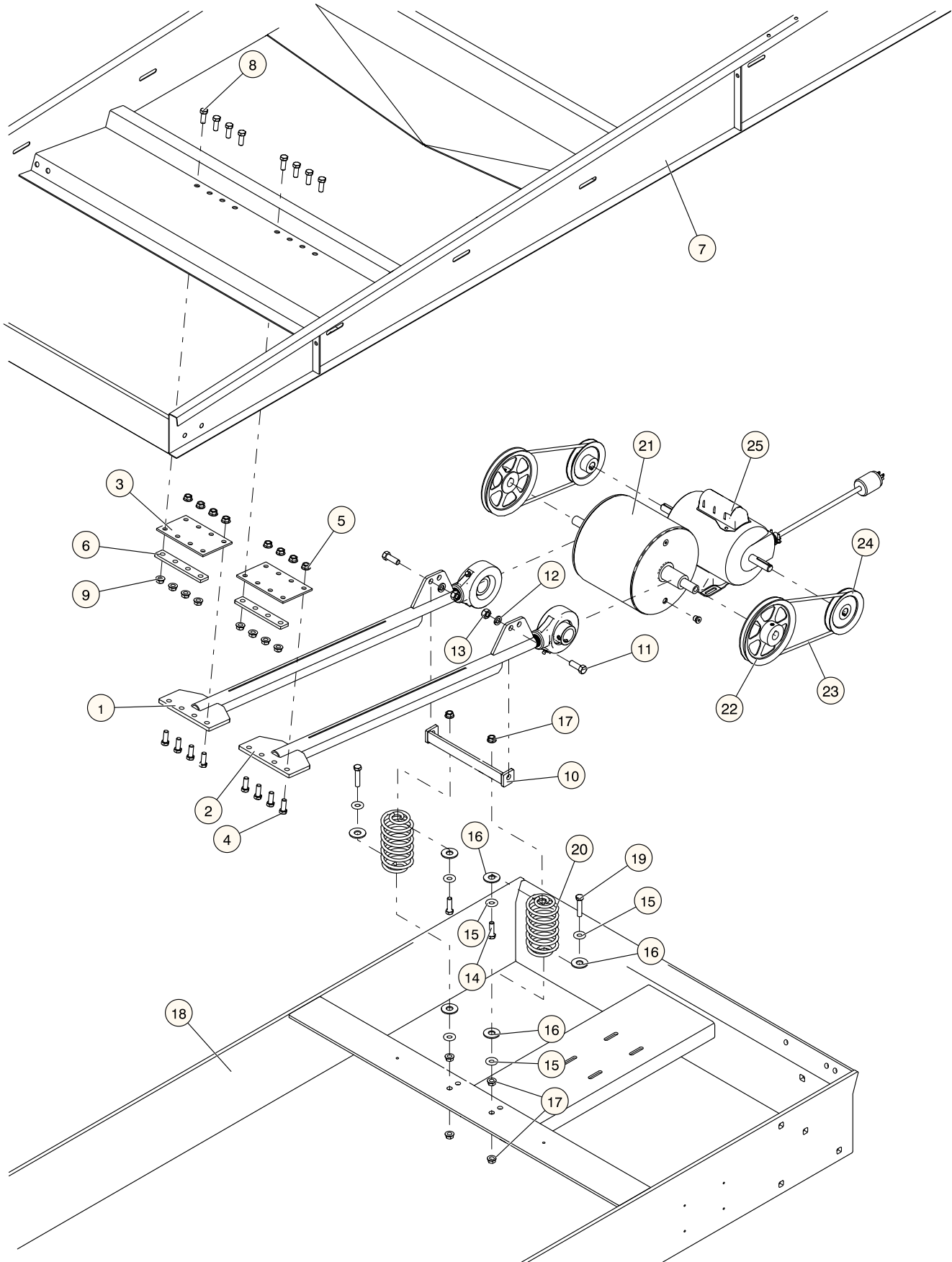
SHAKER MOTOR & RELATED PARTS



SHAKER MOTOR & RELATED PARTS

KEY	P/N	DESCRIPTION	QTY
1	3110-0131	MOTOR .500 HP. 50/60 HZ 115/230 VOLT	1
1	3110-0131	MOTOR .500 HP. 50/60 HZ 115/230 VOLT (CONVERT TO 230 VOLT FOR EUROPE)	1
2	93028	HHCS,5/16-18X1,GR5 PLTD	4
3	93602	WASHER,5/16,FLAT PLTD,ANS TYPE A,WIDE	4
4	93522	NUT,5/16-18,WHIZLOC ZN GR5	4
5	1020-0064	PULLEY .625 X 4.00 OD (D IE-CAST) (DOMESTIC)	2
5	1020-0073	PULLEY .625 X 4.500 OD (DIE-CAST) (EUROPEAN)	2
6	3110-0074	BELT O-RING POLYURETHANE .250 HOLLOW	2
7	3110-0069	MOTOR SHIELD BOTTOM & SI DE PLT 16 GA CR	1
8	3110-0079	SHIELD MOTOR TOP PLATE 1 6 GA CR	1
9	3110-0145	SHIELD MOTOR BACK PLATE 16 GA CR	1
10	93002	HHCS,1/4-20X3/4,GR5 PLTD	8
11	93576	WASHER,1/4,SPLIT LOCK PLTD	8
12	93601	WASHER,1/4,FLAT PLTD,ANS TYPE A,WIDE	8
13	3110-0121	ELECTRICAL PLUG MALE 5-1 5 NEMA 15A 125V	1
-	3110-0116	ELEC CORD 14-3 1' LG	1
14	3110-0056	ROMEX CONNECTOR	1
15	3110-0063	WIRE NUT KNURLED 18-10GA YELLOW	2
16	1040-0164	TERMINAL EYELET #10 10-1 2GA NON-INSUL.	1

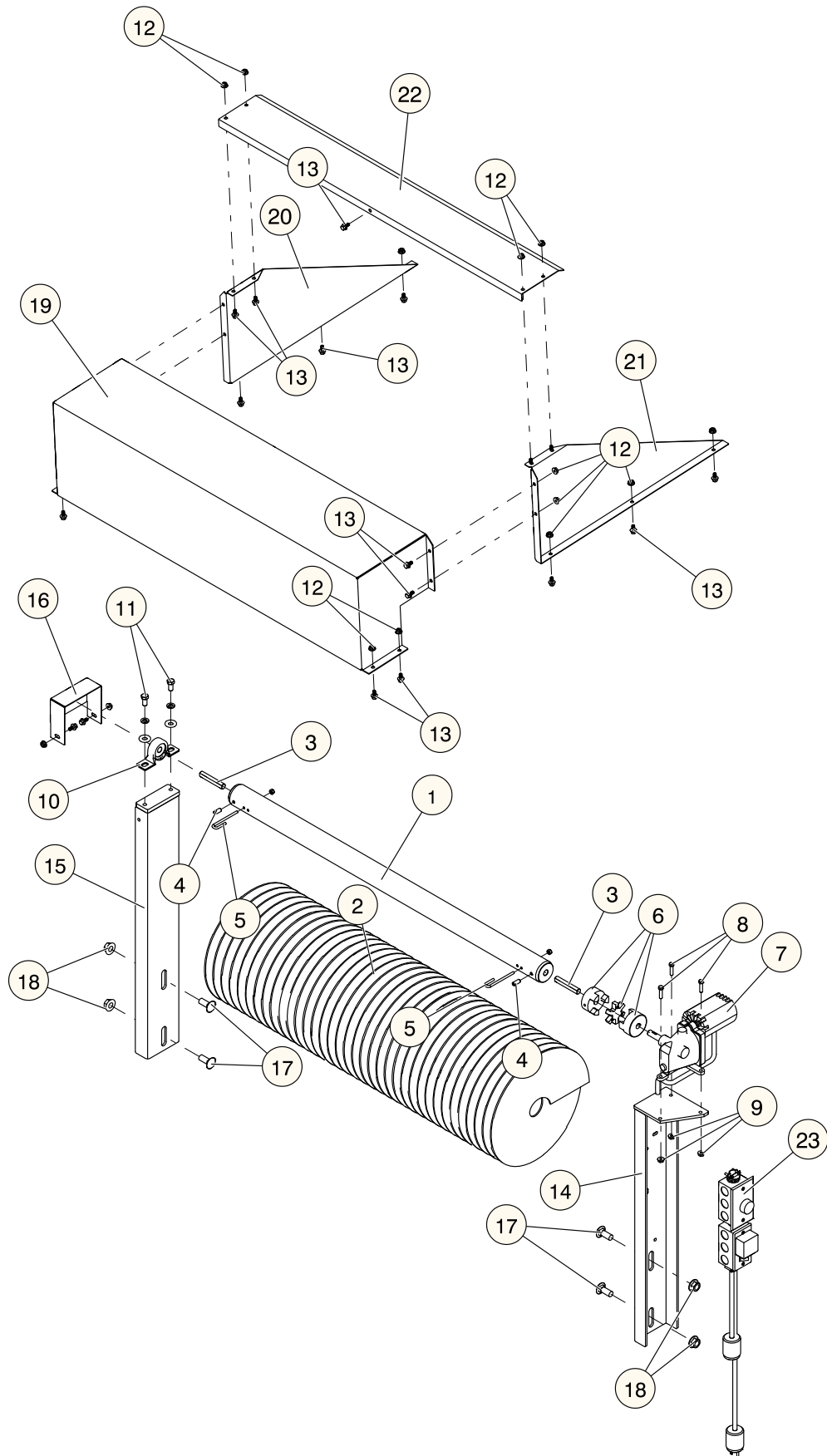
SHAKER DRUM & RELATED PARTS



SHAKER DRUM & RELATED PARTS

KEY	P/N	DESCRIPTION	QTY
1	3110-0046	WELDMENT PUSH ARM R.H.	1
2	3110-0129	WELDMENT PUSH ARM L.H.	1
3	3110-0051	FLAT FLEXURE .156 x 3.50 0	2
4	93053	HHCS,3/8-16X1,GR5 PLTD	8
5	93523	NUT,3/8-16,WHIZLOC,GR5 PLTD,SERRATED FLANGE	8
6	3110-0050	CLAMP FLEX ARM LONG PLAT E .250 HR	2
7	-----	WELDMENT SHAKER FRAME(REFER TO <i>SHAKER TABLE & RELATED PARTS</i> ILLUSTRATION FOR PARTS BREAKDOWN)	1
8	93053	HHCS,3/8-16X1,GR5 PLTD	8
9	93523	NUT,3/8-16,WHIZLOC,GR5 PLTD,SERRATED FLANGE	8
10	3110-0043	WELDMENT SPRING BRKT	1
11	94018	HHCS,7/16-14X1-1/4,GR5 BOLT,HHCS	2
12	93579	WASHER,7/16,SPLIT LOCK PLTD	2
13	93454	NUT,7/16-14,HEX,GR5 UNC,RH,PLTD	2
14	93054	HHCS,3/8-16X1-1/4,GR5 PLTD	2
15	93603	WASHER,3/8,FLAT PLTD,ANS TYPE A,WIDE	6
16	0002-0263	WASHER FLAT .500 STANDAR D ZINC PLATED	6
17	93523	NUT,3/8-16,WHIZLOC,GR5 PLTD,SERRATED FLANGE	6
18	-----	WELDMENT MAIN FRAME (REFER TO <i>FRAME & RELATED PARTS</i> ILLUSTRATION FOR PARTS BREAKDOWN)	1
19	93056	HHCS,3/8-16X1-3/4,GR5 PLTD	2
20	3110-0048	SPRING - SHAKER DRUM	2
21	3110-0047	WELDMENT SHAKER DRUM	1
22	1020-0017	PULLEY .750 ID X 6.000 O D X 5.85 PITCH	2
23	3110-0074	BELT O-RING POLYURETHANE .250 HOLLOW	2
24	1020-0064	PULLEY .625 X 4.00 OD (D IE-CAST)	2
25	-----	MOTOR .500 HP. 50/60 HZ 115/230 VOLT (REFER TO <i>SHAKER MOTOR & RELATED PARTS</i> ILLUSTRATION FOR PARTS BREAKDOWN)	1

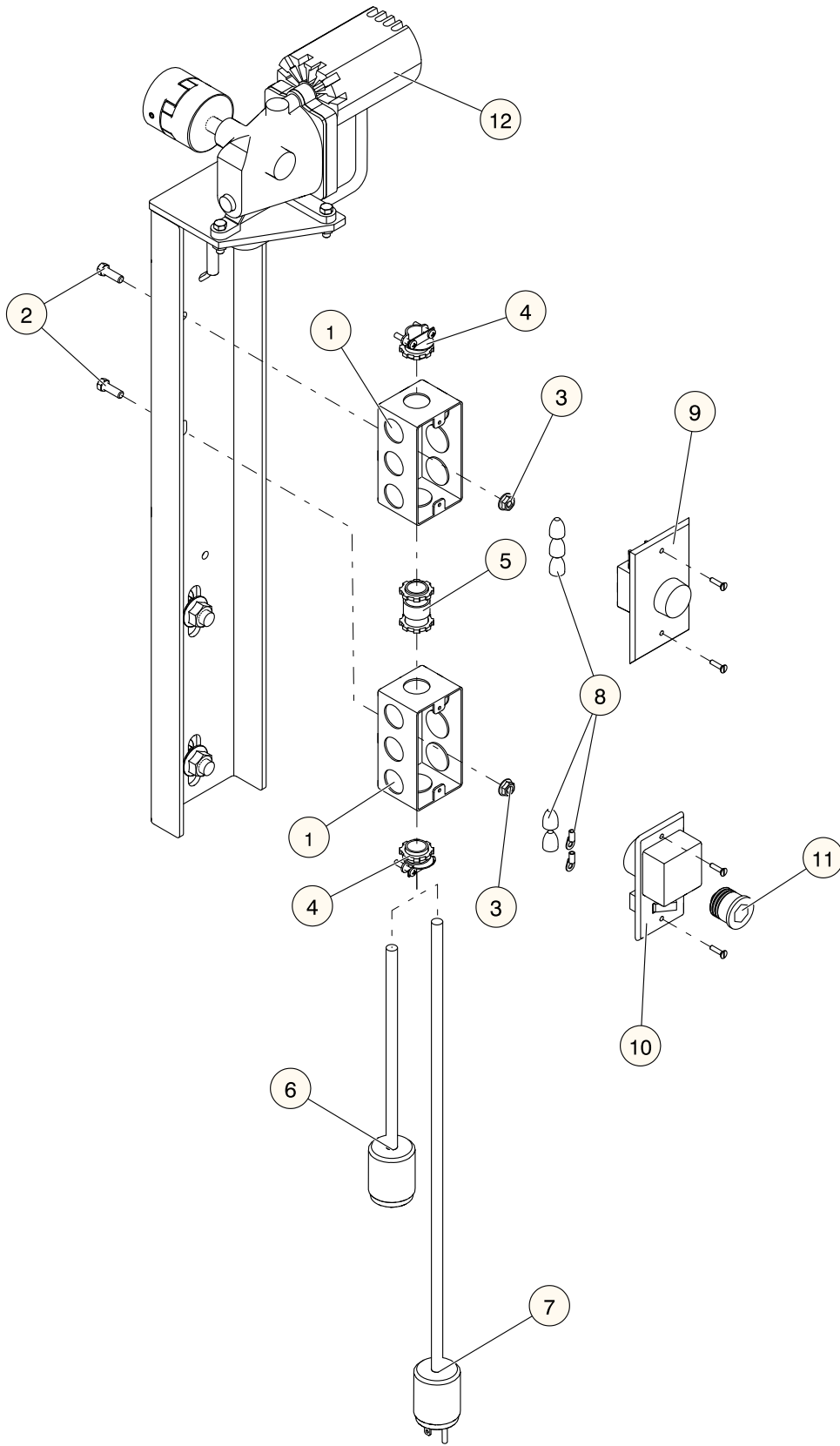
BRUSH ALIGNER & RELATED PARTS



BRUSH ALIGNER & RELATED PARTS

KEY	P/N	DESCRIPTION	QTY
1	3110-0023	WELDMENT BRUSH SHAFT	1
2	3004-0092	BRUSH 1 PITCH 36 LONG	1
3	3110-0026	BAR ROUND CR .500 X 2.75 0 SHAFT	2
4	0002-0464	SCREW SET .312-18 X .750 KNRL PLN	2
5	1006-0135	BOLT J 10-32 X 3.187 ZIN C	2
-	0002-0245	NUT NYLOCK 10-32 ZINC	2
6	3110-0124	FLEXABLE COUPLING BODY L 090 X .500 BORE	1
-	3110-0123	RUBBER SPIDER BUNA FOR L 090 FLEX. CPLG.	A.R.
7	3110-0052	MOTOR GEAR 1/15 HP	1
8	93003	HHCS,1/4-20X1,GR5 PLTD	3
9	93520	NUT,1/4-20,WHIZLOC,GR5	3
10	1015-0130	BRG,1/2 PB DAYTON	1
11	93052	HHCS,3/8-16X3/4,GR5 PLTD	2
-	93578	WASHER,3/8,SPLIT LOCK PLTD	2
-	93603	WASHER,3/8,FLAT PLTD,ANS TYPE A,WIDE	2
12	93520	NUT,1/4-20,WHIZLOC,GR5	19
13	93376	HHWZ,1/4-20X1/2,G5 HHCS,SERRATED FLANGE,PLT	19
14	3110-0032	WELDMENT BRUSH SUPPORT L H	1
15	3110-0033	WELDMENT BRUSH SUPPORT R H	1
16	3110-0146	SHIELD BEARING PLATE 16 GA CR	1
-	93376	HHWZ,1/4-20X1/2,G5 HHCS,SERRATED FLANGE,PLT	2
-	93520	NUT,1/4-20,WHIZLOC,GR5	2
17	93225	BOLT,CARR,1/2-13X1-1/4 GR5,PLTD	4
18	93525	NUT,1/2-13,WHIZLOC,GR5 PLTD,SERRATED FLANGE	4
19	3110-0144	BACK HOPPER SIDE PLATE 1 6 GA CR	1
20	3110-0020	PLATE 18 GA 11.500 X 23. 750 HOPPER SIDE	1
21	3110-0021	PLATE 18 GA 11.500 X 23. 750 HOPPER SIDE	1
22	3110-0022	PLATE 18 GA 6.000 X 37.1 25 HOPPER TRANSO	1
23	-----	ASSY,SPEED CONTROL,VST (REFER TO <i>SPEED CONTROL & RELATED PARTS</i> ILLUSTRATION FOR PARTS BREAKDOWN)	1

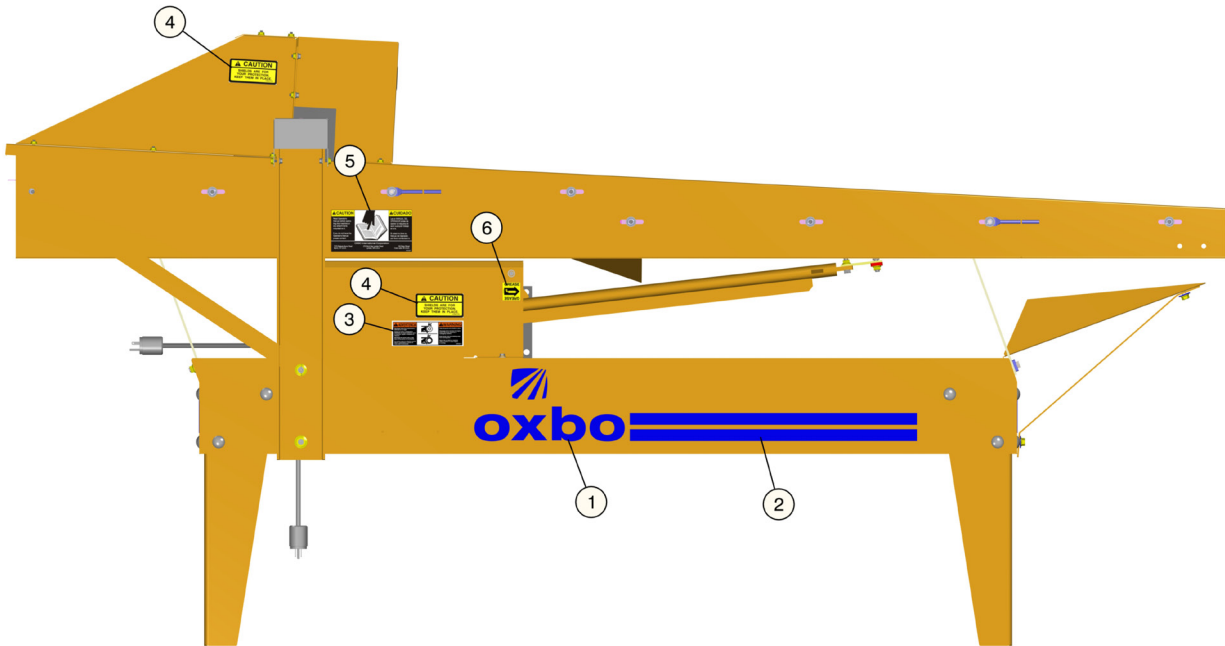
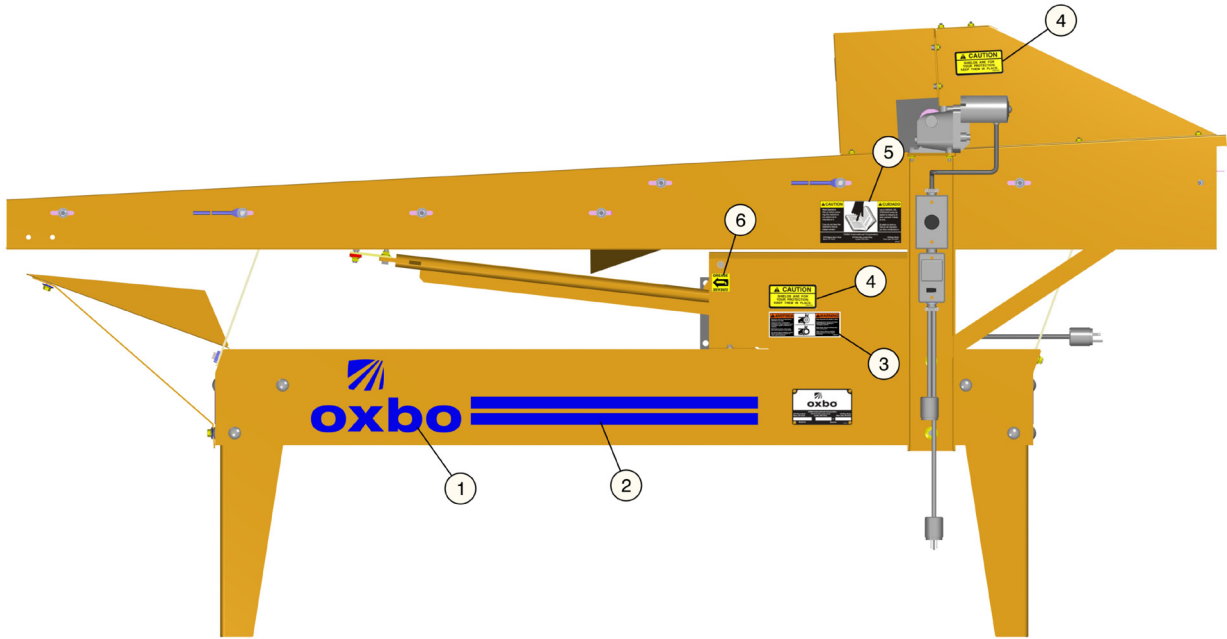
SPEED CONTROL & RELATED PARTS



SPEED CONTROL & RELATED PARTS

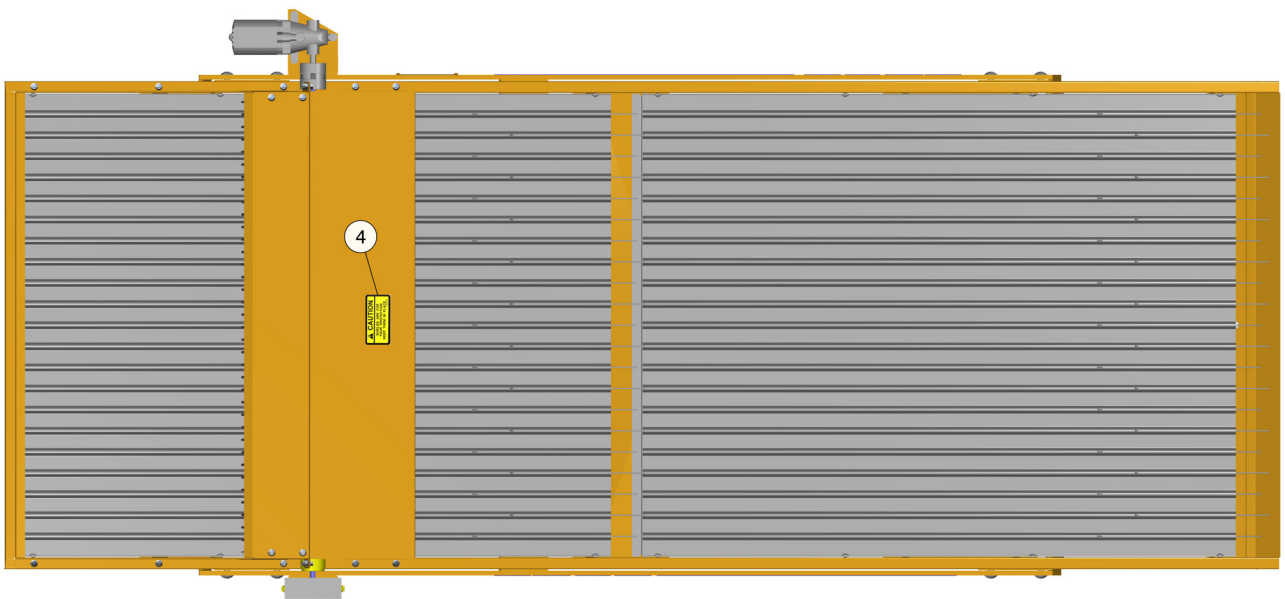
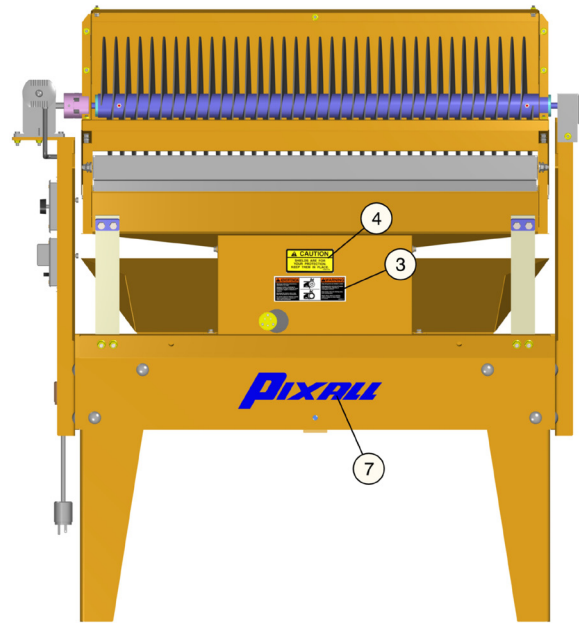
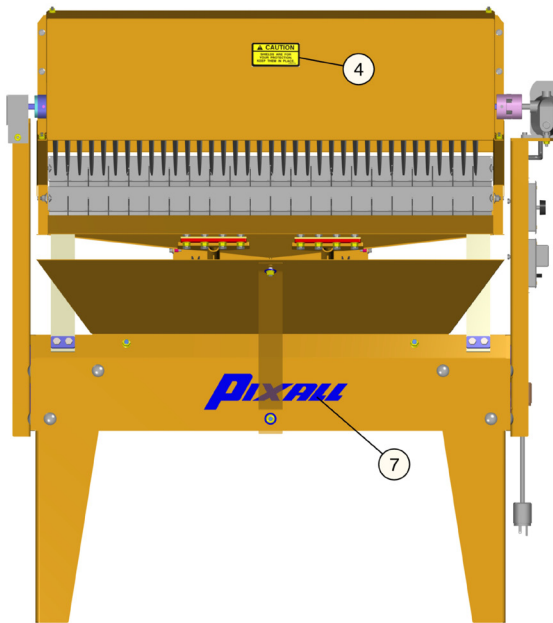
KEY	P/N	DESCRIPTION	QTY
1	3110-0054	HANDY BOX 4.000 X 2.125 X 1.875 METAL	2
2	93002	HHCS,1/4-20X3/4,GR5 PLTD	2
3	93520	NUT,1/4-20,WHIZLOC,GR5	2
4	3110-0056	ROMEX CONNECTOR	2
5	3110-0055	CONNECTOR ELECTRICAL BOX .500 W/LOCK NUT	1
6	3110-0061	2' ELEC. CORD 110 VOLT W /FEMALE PLUG	1
7	3110-0060	8' ELEC. CORD 110 VOLT W /MALE PLUG	1
8	1040-0159	TERMINAL EYELET #10 16-1 4GA NON-INSUL.	2
-	1040-0395	WIRE NUT KNURLED 22-14GA ORANGE	3
-	3110-0063	WIRE NUT KNURLED 18-10GA YELLOW	2
9	74607	SPEED CONTROL,AC,115V,3A ,ROTARY,ADJUSTABLE	1
-	0002-0399	BOLT SLT RND HD 6-32 X . 500 ZINC	2
10	3110-0057	FUSE BOX COVER W/SWITCH FOR TYPE-S FUSE	1
-	0002-0399	BOLT SLT RND HD 6-32 X . 500 ZINC	2
11	3110-0062	FUSE 15 AMP BUSS TYPE-S	1
12	-----	MOTOR GEAR 1/15 HP (REFER TO <i>BRUSH ALIGNER & RELATED PARTS</i> ILLUSTRATION)	1

DECALS & SIGNS - DOMESTIC

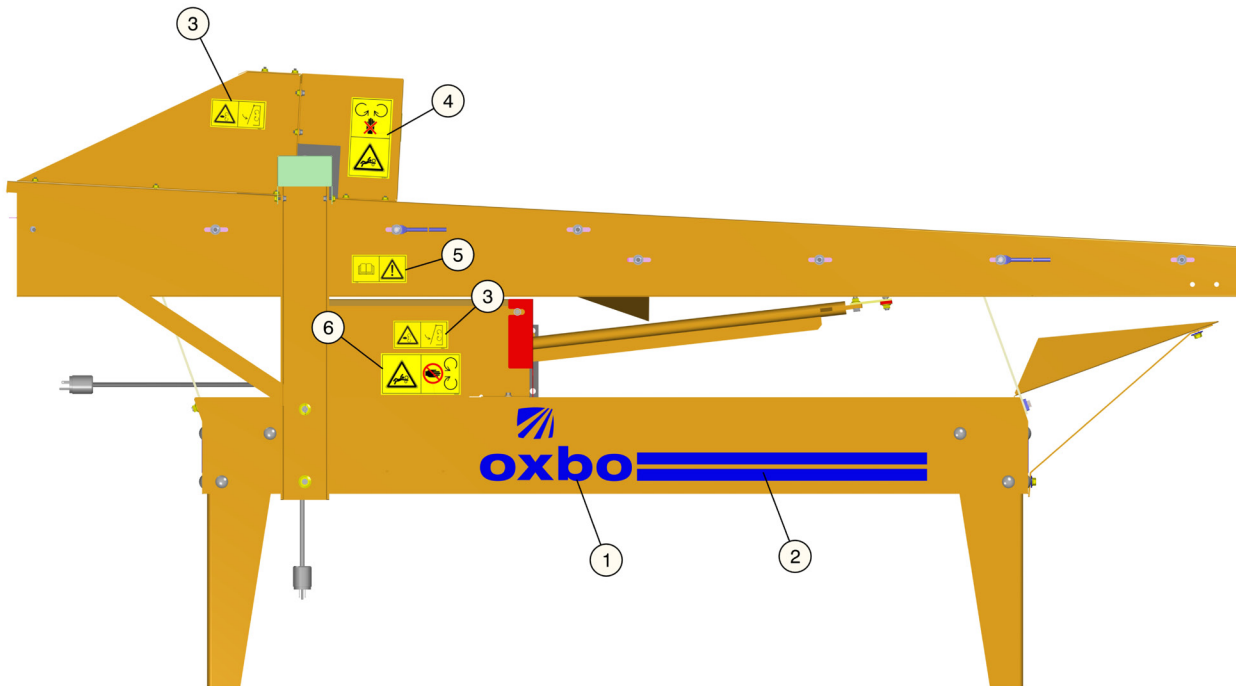
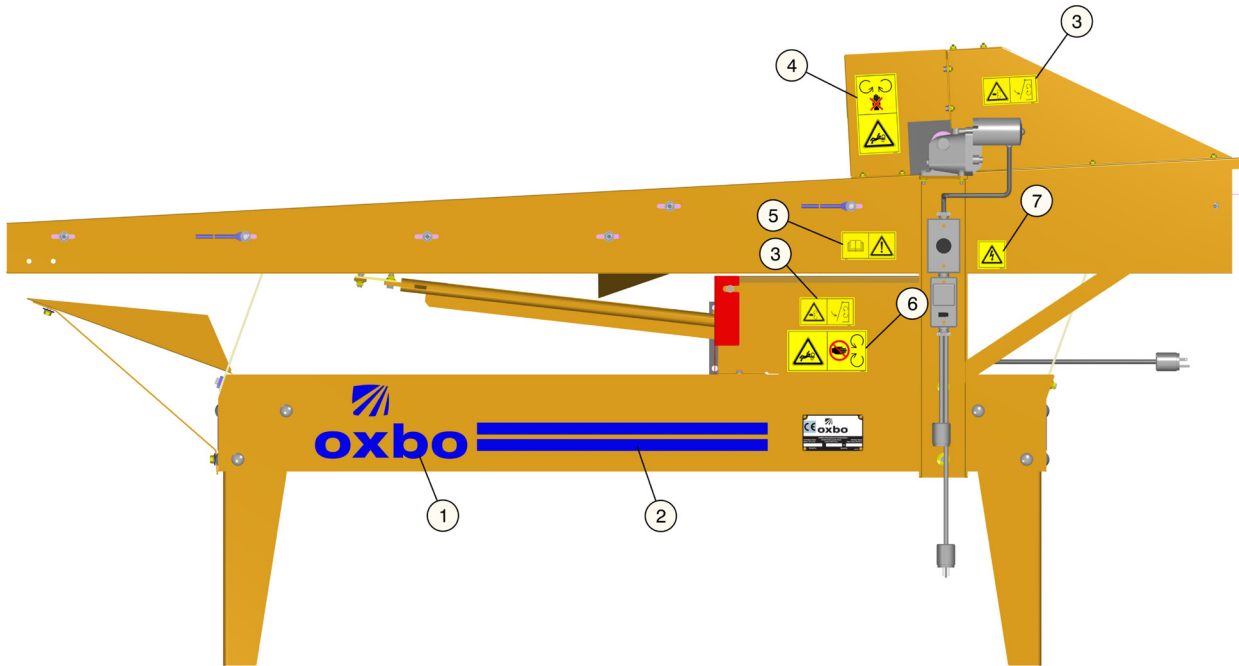


DECALS & SIGNS - DOMESTIC

KEY	P/N	DESCRIPTION	QTY
1	92412	DECAL,OXBO LOGO BLUE 12.88 X 6.25	2
2	92413	DECAL,STRIPE BLUE 2.34"	2
3	92639	DECAL,WARNING KEEP GUARD IN PLACE 2.13 X 6	3
4	3000-0160	DECAL BE CAREFUL SHIELDS 2.000 X 4.000	7
5	90122	DECAL,CAUTION READ OPERATORS MANUAL	2
6	90225	DECAL,"GREASE" ARROW W/ GREASE GUN	2
7	92418	DECAL,PIXALL LOGO 3" BLUE	2

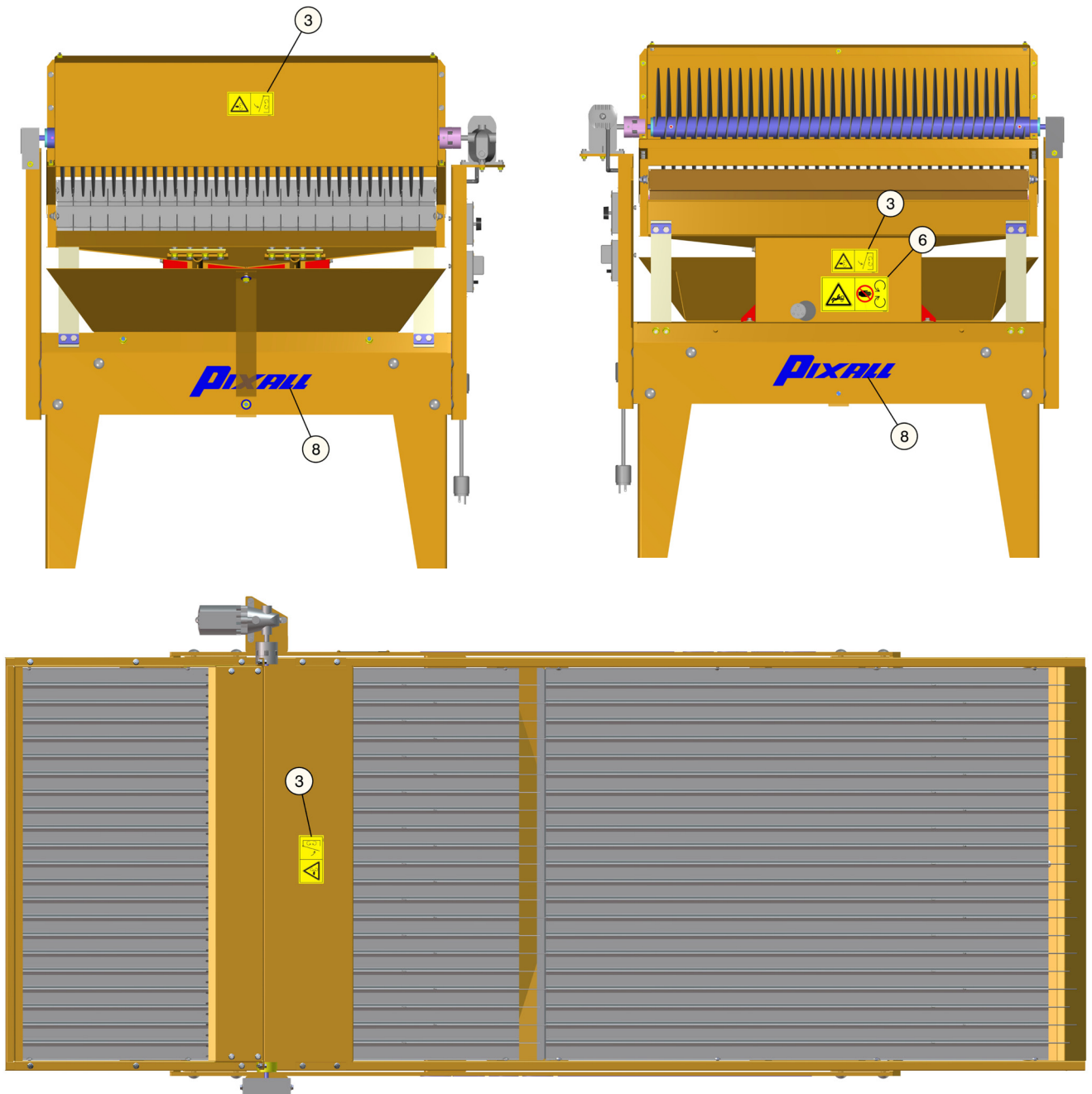


DECALS & SIGNS - EUROPEAN



DECALS & SIGNS - EUROPEAN

KEY	P/N	DESCRIPTION	QTY
1	92412	DECAL, OXBO LOGO, BLUE (12.88 X6.25)	2
2	92413	DECAL,BLUE STRIPE, 2.34"	2
3	90549	DECAL,CE,CLOSE SHIELDS	7
4	92195	DECAL, CE, ROTATING PARTS	2
5	90532	DECAL, CE BSB-451-294, READ OPS MANUAL	2
6	90538	DECAL, CE BSB-17, ROTATING PARTS (88 X 168 MM)	3
7	92767	DECAL,ELECTRICAL BOX HAZARD	1
8	92418	DECAL, PIXALL 3" BLUE	2



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