

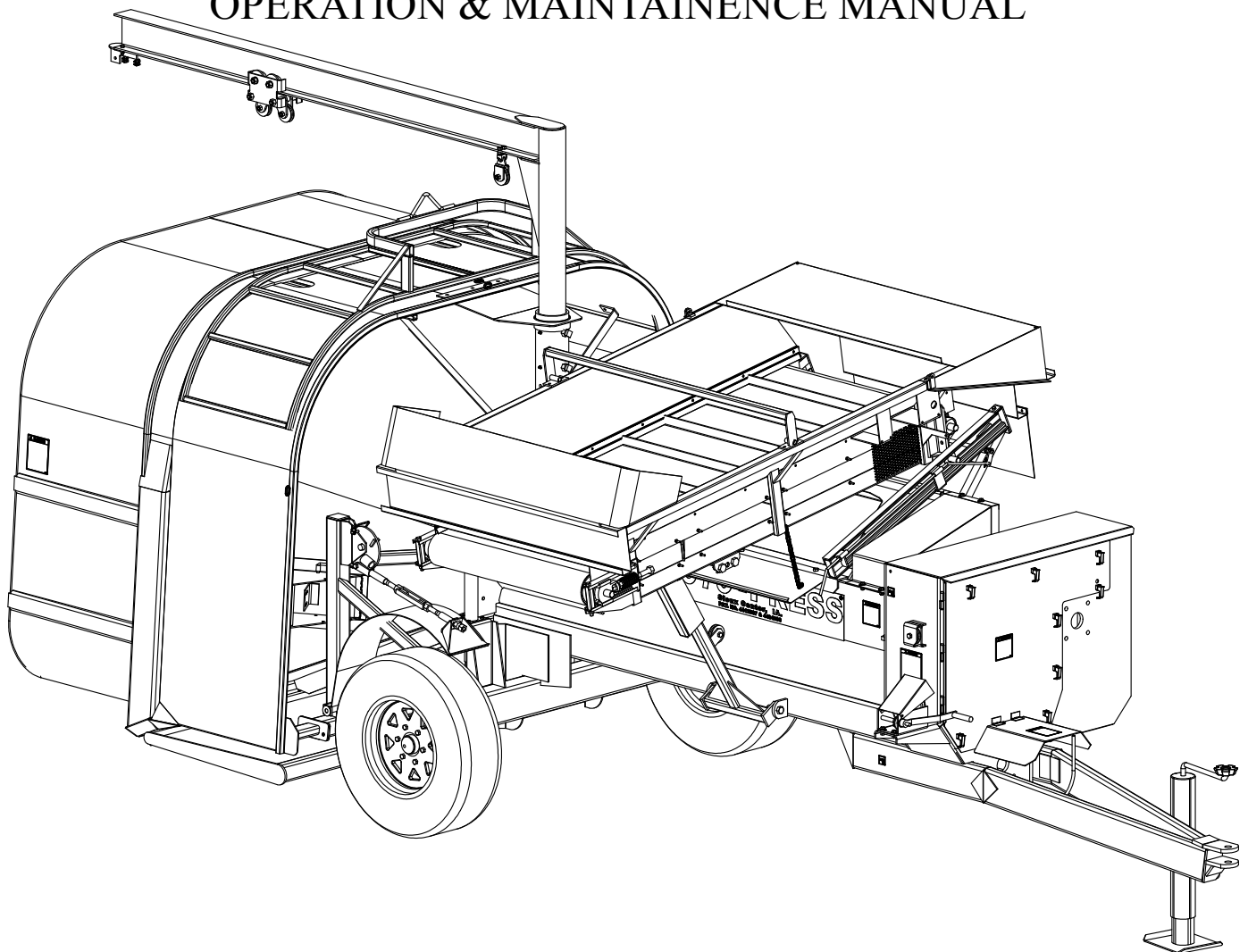


S I O U X
AUTOMATION CENTER, INC.

QUALITY PEOPLE, QUALITY PRODUCTS

ROTO-PRESS **MODEL 890**

OPERATION & MAINTAINENCE MANUAL



ASSEMBLY
CALIBRATION
OPERATION
REPLACEMENT PARTS

READ COMPLETE MANUAL CAREFULLY
BEFORE ATTEMPTING OPERATION

SAC - SIOUX AUTOMATION - 877 1ST AVE. NW - SIOUX CENTER, IA 51250
PH: (712)-722-1488 - TOLL FREE: 1-866-722-1488
WWW.SIOUXAUTOMATION.COM

WARRANTY

SIOUX AUTOMATION CENTER, INC. (Hereafter noted as SAC) warrants to the original purchaser of a new SAC product from an authorized SAC dealer that the product and the components thereof manufactured by SAC are free from defects in material and workmanship at the time of shipment. SAC further warrants to such purchaser that each new SAC product will perform without structural or operational failure, if the product is assembled and mounted in accordance with SAC's instruction and drawing, and is then operated and maintained as described in the Owner's Manual.

WARRANTY PERIOD

The above warranty on materials and workmanship shall be effective for a period of one year for non-commercial users and 6 months for all commercial users, with the exception of ROTO PRESS products, which shall be effective for a period of one year for all users. The warranty period shall be effective from the date of delivery by the SAC dealer to the initial purchaser.

PURCHASER'S REMEDIES

If a warranted SAC product or component fails to conform to the above warranty during the warranty period, SAC will furnish the parts and labor at the factory or authorized dealer necessary to correct such failure, provided SAC is notified through the selling representative within 30 days of the discovery of the failure. All warranty submissions must include the original part in question, along with a properly filled out warranty claim sheet, before a warranty award will be made. Labor at the factory or dealer is specified as labor done at the SAC factory or SAC authorized dealer ONLY! SAC will pay the common carrier freight expense of parts to and from the owner. Faster freight service is available, with the owner paying the difference in cost between common carrier and preferred method by owner. Freight of whole goods to or from the factory is the owner's expense, regardless if they fail under warranty or not. All warranty decisions will be final!

EXCLUSIONS

This warranty shall not apply to component parts or accessories of products not manufactured by SAC and which carry the warranty of the manufacturer thereof. Items of high wear and regular maintenance shall not be covered under this warranty. This warranty shall be void if any part or parts not manufactured by SAC are used either in maintaining or servicing of the products covered by this warranty. No warranty whatsoever is made on used, secondhand, altered, or rebuilt machinery.

THIS WARRANTY IS EXTENDED ONLY TO THE INITIAL PURCHASER FROM AN AUTHORIZED SAC DEALER AND MAY NOT BE REASSIGNED. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FOR A PARTICULAR PURPOSE AND SAC NEITHER ASSUMES OR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE THEREOF.

We reserve the right to make improvements to any of our products without notice or obligation regarding models previously sold.

INSERT WARRANTY REGISTRATION HERE.

INTRODUCTION

Thank You for purchasing a ROTO-PRESS. The purpose of the ROTO-PRESS is to give the agricultural industry the ability to use economical, fast, and unlimited storage for their different types of crops. The ROTO-PRESS is the result of many years of field testing and design, and is built to a high level of quality that will give you many years of dependable service if properly used, maintained and serviced.

Along with the purchase of your new ROTO-PRESS you have become part of a fine family of agricultural equipment, and a fully equipped and knowledgeable service staff that can help you with all of your needs.

In addition to reading and completely understanding this owner's manual, please take the time to fill out the warranty registration sheet so that we may process your warranty, as well as anticipate your future needs.

MODEL NO: _____ SERIAL NO: _____

DATE: _____

Please have these ready when phoning in for service.

Sioux Automation Center Inc.

877 1ST AVE NW

SIOUX CENTER, IA 51250

(712) 722-1488

www.siouxautomation.com

INTRODUCTION

Thank you for purchasing a Sioux Automation product. We feel you have made a wise choice and hope you are completely satisfied with your new piece of equipment. Your new Sioux Automation product is a durable, efficient and easy to use unit. Proper care and use will result in many years of service.



WARNING: TO AVOID PERSONAL INJURY OR DEATH, OBSERVE FOLLOWING INSTRUCTIONS:

Ensure that anybody present is clear before applying power to any machinery .

Never allow anyone in, near, or on machinery during transporting or use.

Do not exceed 20 miles per hour when towing machinery.

GENERAL INFORMATION

1. Unless otherwise specified, high-strength Grade5 (3 radial-line head markings) hex head bolts are used throughout assembly of this piece of equipment.
2. Whenever terms “LEFT” and “RIGHT” are used in this manual it means from a position behind the ROTO-PRESS and facing forward.
3. When placing a parts order, refer to this manual for proper part numbers and place order by **PART NO. and DESCRIPTION.**
4. Read assembly instructions carefully. Study assembly procedures and all illustrations before you begin assembly. Note which parts are used in each step. This unit must be assembled in proper sequence or complications will result.

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SAFETY

TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH!



SIGNAL WORDS

Note use of following signal words: **DANGER**, **WARNING**, and **CAUTION** with safety messages. Appropriate signal word for each has been selected using following guidelines:

DANGER:

Indicates an imminently hazardous situation that, if not avoided, will result in serious injury or death. This signal word is to be limited to most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

WARNING:

Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION:

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If you have questions not answered in this manual, require additional copies, or if your manual is damaged, please contact your dealer or Sioux Automation Inc., 877 1st Ave. NW Sioux Center, IA 51250
ph: (712)-722-1488 or 866-722-1488 <http://www.siouxautomation.com>



SAFETY..YOU CAN LIVE WITH IT



EQUIPMENT SAFETY GUIDELINES

Every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, and you yourself, follow them.

In order to provide a better view, certain illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace shield prior to use.

Replace any caution, warning, danger or instruction safety decal that is not readable or is missing. Location of such decals is indicated in this booklet.

Do not attempt to operate this equipment under the influence of alcohol or drugs.

Review safety instructions with all users annually.

Operator should be a responsible adult. **DO NOT ALLOW PERSONS TO OPERATE OR ASSEMBLE THIS UNIT UNTIL THEY HAVE DEVELOPED A THOROUGH UNDERSTANDING OF SAFETY PRECAUTIONS AND HOW IT WORKS.**

To prevent injury or death, use a tractor equipped with a roll over protective system (ROPS). Do not paint over, remove, or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice instructions on them.

Never exceed limits of a piece of machinery. If its ability to do a job, or to do so safely is in question **DON'T TRY IT.**



LIGHTING AND MARKING

It is the responsibility of the customer to know lighting and marking requirements of local highway authorities and to install and maintain equipment to provide compliance with regulations. Add extra lights when transporting at night or during periods of limited visibility.

Lighting kits are available from your dealer or from manufacturer.



SAFETY SIGN CARE

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replacement parts that displayed a safety sign should also display current sign.
- Safety signs are available from your distributor, dealer parts department, or factory.

How to install safety signs:

- Be sure that installation area is clean and dry.
- Decide on exact position before you remove backing paper.
- Remove smallest portion of split backing paper.
- Align decal over specified area and carefully press small portion with exposed sticky backing in place.
- Slowly peel back remaining paper and carefully smooth remaining portion of decal into place.
- Small air pockets can be pierced with a pin and smoothed out using piece of decal backing paper.



TIRE SAFETY

- Failure to follow proper procedures when mounting a tire on a rim can produce an explosion which may result in a serious injury or death.
- Do not attempt to mount a tire unless you have proper equipment and experience to do the job.
- Inflating or servicing tires can be dangerous. Whenever possible, trained personnel should be called to service and/or mount tires.
- Always order and install tires and wheels with appropriate type and load capacity to meet or exceed anticipated weight to be placed on the equipment.



REMEMBER

Your best assurance against accidents is a careful and responsible operator. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or manufacturer.



BEFORE OPERATION:

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing which may catch in moving parts.
- Always wear protective clothing and substantial shoes.
- It is recommended that suitable protective hearing and eye protection be worn.
- Operator may come in contact with certain materials which may require specific safety equipment relative to handling of such materials. (Examples: extremely dusty, molds, fungus, bulk fertilizers, etc.)
- Keep wheel and lug nuts tightened to specified torque.
- Assure that agricultural implement tires are inflated evenly.
- Give unit a visual inspection for any loose bolts, worn parts, or cracked welds, and make necessary repairs. Follow maintenance safety instructions included in this manual.
- Be sure there are no tools lying on or in equipment.
- Do not use unit until you are sure that area is clear, especially around children and animals.
- Don't hurry learning process or take unit for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.
- Make sure that brakes are evenly adjusted (if equipped with brakes).
- Use a tractor equipped with Roll Over Protection System (ROPS) and fasten your seat belt prior to starting the engine.
- Manufacturer does not recommend usage of a tractor with the ROPS removed.
- Move tractor wheels to widest recommended settings to increase stability.
- Do not allow anyone to stand between tongue or hitch and towing vehicle when backing up to equipment.



DURING OPERATION

- Beware of bystanders, **PARTICULARLY CHILDREN!** Always look around to make sure that it is safe to start engine of towing vehicle or move unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
- **NO PASSENGERS ALLOWED-** Do not carry passengers anywhere on or in tractor or equipment.
- Keep hands and clothing clear of moving parts.
- Do not clean, lubricate, or adjust your equipment while it is moving.

- When halting operation, even periodically, set tractor or towing vehicles brakes, disengage PTO, shut off engine, and **remove ignition key**.
- Be especially observant of operating area and terrain. Watch for holes, rocks, or other hidden hazards. Always inspect area prior to operation.
 - DO NOT operate near edge of drop-off or banks.
 - DO NOT operate on steep slopes as overturn may result.
 - Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.
- Pick the most level possible route when transporting across fields. Avoid edges of ditches, gullies, and steep hillsides.
- Be extra careful when working on inclines.
- Maneuver tractor or towing vehicle at safe speeds.
- Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.
- Avoid loose gravel, rocks, and holes; they can be dangerous for equipment operation or movement.
- Allow for unit length when making turns.
- Do not walk or work under raised components or attachments unless securely positioned and blocked.
- Keep all bystanders, pets, and livestock clear of work area.
- Operate towing vehicle from operators seat only.
- Never stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.
- Never leave running equipment unattended.
- As a precaution, always recheck hardware on equipment following every 100 hours of operation. Correct all problems. Follow maintenance safety procedures.



FOLLOWING OPERATION

- Following operation, or when unhitching, stop tractor or towing vehicle, set brakes, shut off engine and **remove ignition key**.
- Store unit in an area away from human activity.
- Do not park equipment where it will be exposed to livestock for long periods of time. Damage and livestock injury could result.
- Do not permit children to play on or around stored unit.
- Make sure all parked machines are on a hard, level surface and engage all safety devices.
- Wheel chocks may be needed to prevent unit from rolling.



HIGHWAY AND TRANSPORT OPERATIONS

- **SAFETY CHAINS:** If equipment is going to be transported on a public highway, always follow state and local regulations regarding safety chains and auxiliary lighting. Be sure to check with local law enforcement agencies for your own particular regulations. If required safety chains should be obtained and installed. Only safety chains (not elastic or nylon/plastic tow straps) should be used to retain connection between towing and towed machines in event of separation of primary attaching system. Use a high strength, appropriately sized hitch pin with a mechanical retainer and attach safety chains. Criss cross chains under tongue and secure to draw bar cage, mounting loops, or bumper frame.

- Adopt safe driving practices:
 - Keep brake pedals latched together at all times. **NEVER USE INDEPENDENT BRAKING WITH MACHINE IN TOW, LOSS OF CONTROL AND/OR UPSET OF UNIT CAN RESULT.**
 - Always drive at a safe speed relative to local conditions, ensure that your speed is low enough for an emergency stop. Keep speed to a minimum.
 - Reduce speed prior to turns to avoid risk of overturning.
 - Always keep tractor or towing vehicle in gear to provide engine braking when going downhill. Do not coast.
 - Do not drink and drive!

- Comply with state and local laws governing highway safety and movement of farm machinery on public roads.

- Use approved accessory lighting, flags and necessary warning devices to protect operators of other vehicles on highway during transport. Various safety lights and devices are available from your dealer.

- Use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.

- When driving tractor and equipment on road under 20 m.p.h. (40 kph) at night or during day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.

- Plan your route to avoid heavy traffic.

- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.

- Be observant of bridge load ratings. Do not cross bridges rated lower than gross weight at which you are operating.

- Watch for obstructions overhead and side to side while transporting.
- Always operate equipment in a position to provide maximum visibility. Make allowances for increased length and weight of equipment when making turns, stopping unit, etc.



PERFORMING MAINTENANCE

- Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.
- Make sure there is plenty of ventilation. Never operate engine of towing vehicle in a closed building. Exhaust fumes may cause asphyxiation.
- Before working on this machine, stop towing vehicle, set brakes, shut off engine and **remove ignition key**.
- Always use safety support and block wheels. Never use a jack to support machine.
- Always use proper tools or equipment for job at hand.
- Use extreme caution when making adjustments.
- Follow torque chart in this manual when tightening bolts and nuts.
- Never use your hands to locate a hydraulic leak on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate skin.
- Openings in skin and minor cuts are susceptible to infection from hydraulic fluid.
Without immediate medical treatment, serious infection and reactions can occur.
- When disconnecting hydraulic lines, shut off hydraulic supply and relieve all hydraulic pressure.
- Replace **all shields** and **guards** after servicing and before moving.
- After servicing, be sure all tools, parts and service equipment are removed.
- Do not allow grease or oil to build up on any steps or platform.
- When replacing bolts, refer to owners manual.
- Refer to bolt torque chart for head identification marking.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. Manufacturer will not claim responsibility for use of unapproved parts or accessories and other damages as a result of their use.
- If equipment has been altered in any way from original design, manufacturer does not accept any liability for injury or warranty.
- A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment

BOLT TORQUE

TORQUE DATA FOR STANDARD NUTS, BOLTS, AND CAPSCREWS.

Tighten all bolts to torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt chart as guide. Replace hardware with same grade bolt.

NOTE: Unless otherwise specified, high-strength Grade 5 hex bolts are used throughout assembly of equipment.



Torque Specifications

Bolt Torque for Standard Bolts *

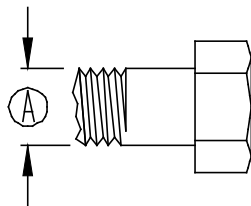
"A"	GRADE 2		GRADE 5		GRADE 8	
	lb-ft	(N.m)	lb-ft	(N.m)	lb-ft	(N.m)
1/4"	6	(8)	9	(12)	12	(16)
5/16"	10	(13)	18	(25)	25	(35)
3/8"	20	(27)	30	(40)	45	(60)
7/16"	30	(40)	50	(70)	80	(110)
1/2"	45	(60)	75	(100)	115	(155)
9/16"	70	(95)	115	(155)	165	(220)
5/8"	95	(130)	150	(200)	225	(300)
3/4"	165	(225)	290	(390)	400	(540)
7/8"	170	(230)	420	(570)	650	(880)
1"	225	(300)	630	(850)	970	(1310)

Bolt Torque for Metric Bolts *

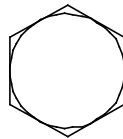
"A"	CLASS 8.8		CLASS 9.8		CLASS 10.9	
	lb-ft	(N.m)	lb-ft	(N.m)	lb-ft	(N.m)
6	9	(13)	10	(14)	13	(17)
7	15	(21)	18	(24)	21	(29)
8	23	(31)	25	(34)	31	(42)
10	45	(61)	50	(68)	61	(83)
12	78	(106)	88	(118)	106	(144)
14	125	(169)	140	(189)	170	(230)
16	194	(263)	216	(293)	263	(357)
18	268	(363)	--	--	364	(493)
20	378	(513)	--	--	515	(689)
22	516	(699)	--	--	702	(952)
24	654	(886)	--	--	890	(1206)

Torque figures indicated are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

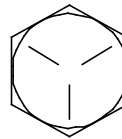
* GRADE or CLASS value for bolts and capscrews are identified by their head markings.



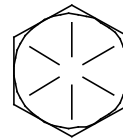
GRADE-2



GRADE-5



GRADE-8



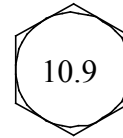
CLASS 8.8



CLASS 9.8



CLASS 10.9



USING YOUR ROTO-PRESS

READ CAREULLY

SETUP

1.) When you receive your new ROTO-PRESS from the factory, it is not immediately necessary to check the machine for bearing lubrication, or chain tightness as these items have been factory serviced. It is recommended to walk around the machine and familiarize yourself with the location of all moving parts, caution decals, the general operating dimensions, and the basic working features of the ROTO-PRESS.



CAUTION! BEFORE OPERATING THIS MACHINE, READ AND UNDERSTAND THIS OWNER'S MANUAL AND ALL CAUTION, WARNING AND DANGER SYMBOLS LOCATED ON THE MACHINE AND IN THIS MANUAL.

2.) All lubrication has been completed at the factory prior to delivery, and will not be immediately necessary. The oil bath has been filled to the proper level. Take note that the oil does not run any higher than approximately halfway up the very lowest part of the drive chain. All bearings should be greased according to the enclosed lubrication schedule.

IMPORTANT! DO NOT OVER GREASE BEARINGS, SEAL FAILURE AND SUBSEQUENT PREMATURE BEARING FAILURE COULD RESULT.

OPERATION



CAUTION! BEFORE ATTEMPTING TO RUN THE ROTO-PRESS CHECK THE AUGER CHAMBER FOR FOREIGN MATERIAL. MAKE SURE THAT ALL SHIELDS ARE IN PLACE, AND THAT ALL SAFETY DECALS ARE UNOBSTRUCTED.

1.) Pick a tractor large enough for your application. Too big is better than too small. Hay or cracking requires 130 hp. Ground ear corn or snaplage requires 115 hp. Shell corn requires 80 hp. Fuel tank on tractor should be full before starting. Hook up the tractor to the bagger.

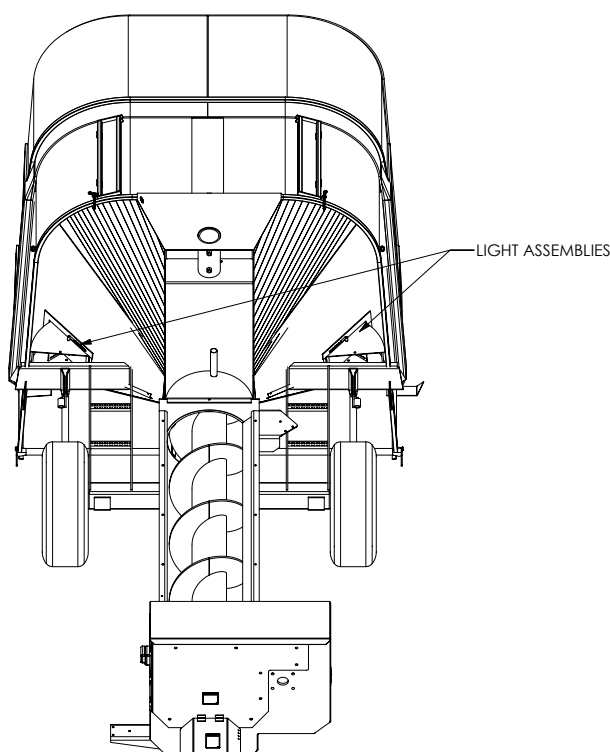
2.) Before you begin to set-up the ROTO-PRESS, pick a suitable location for the bag(s). The location should be well drained, smooth, fairly solid; long enough for the size bags you are using and easily accessible for both filling and unloading. Check the length and remember that the tractor and bagger take approximately 40-50 feet extra. Also, a slight uphill incline is preferred; however, you should not be on a side hill. If there is a choice of bagging uphill or downhill, always bag uphill. Remember that these are only recommendations, it can be done almost anywhere.

3.) Position the ROTO-PRESS in a straight line with the tractor in the direction that you want to bag, making sure that the wheels of the tractor are pointed straightforward. See Figure 1. Keep checking the tractor wheels while filling the bag, making sure they are straight at all times. Many people will grab the steering wheel when getting out of the cab. Try not to do this. Also, when positioning the tractor and bagger, leave enough room to put the bag on. This requires 10 to 15 feet.

TRANSPORT LIGHTING

1.) When you receive your ROTO-PRESS, the transport lighting should be in the open position. This means that the lights are visible from the rear of the machine. Once you have positioned the machine for bagging, you must change the lights. From the front of the machine, located behind the wheels is where you will find the light assembly. Pull the pin holding the light assembly and pull the assembly toward you until it bumps against the stop. Replace the pin back into the additional hole in the light assembly bracket to hold the light assembly in the closed position.

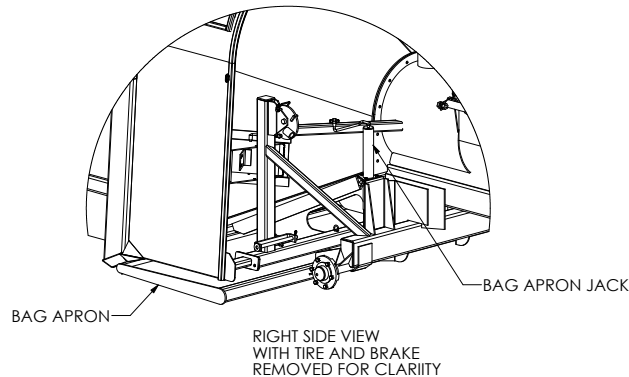
2.) Before transporting the machine to a new location, reverse the process as described above. **It is very important to reposition the lights each time the machine is transported.**



BAG INSTALLATION

1.) Disconnect the yellow rope with hooks from the bagger's front shroud. Lower the bag apron to the ground by using the jack located on the right side of the machine.

Figure 1-2



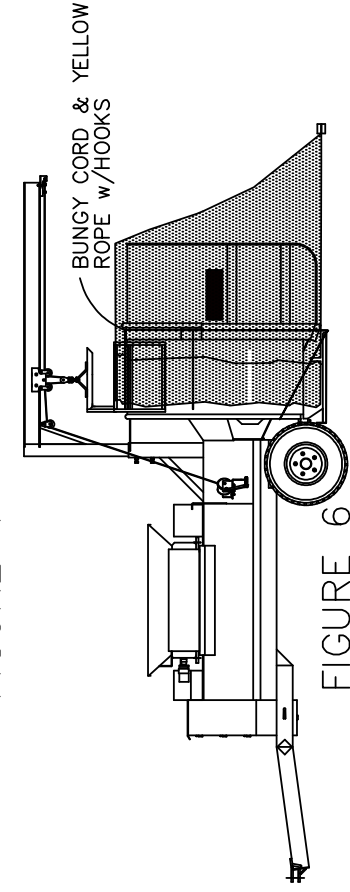
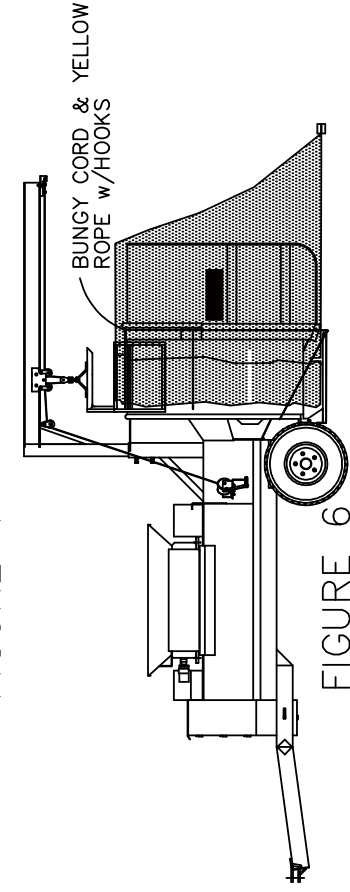
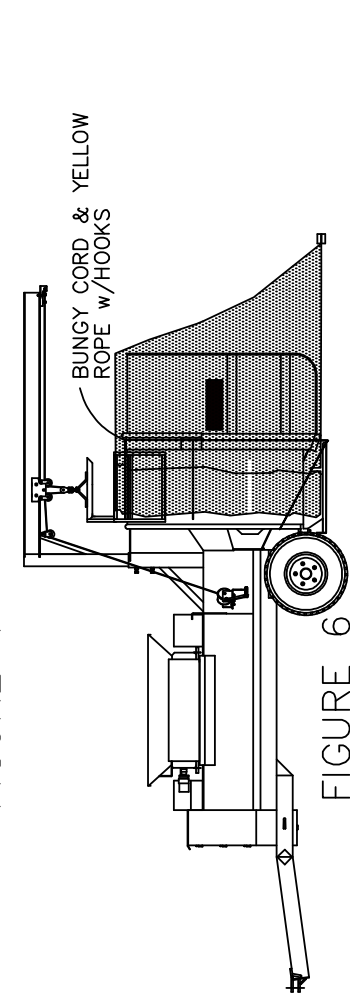
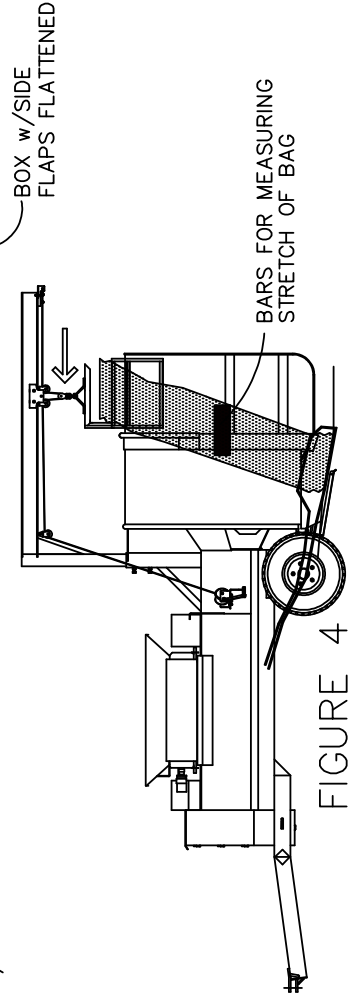
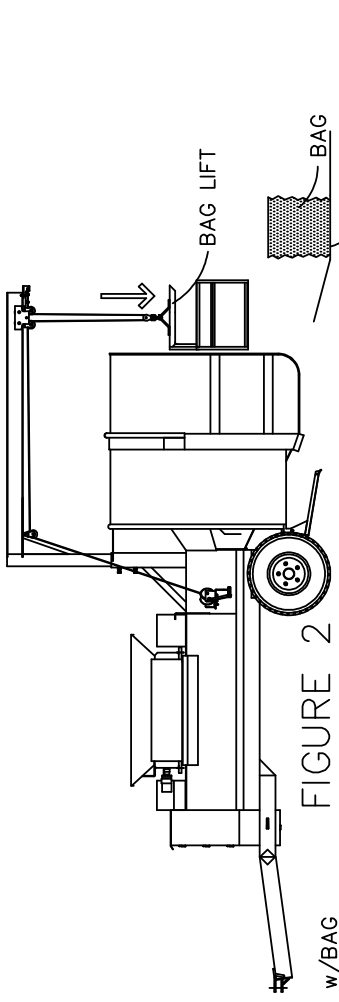
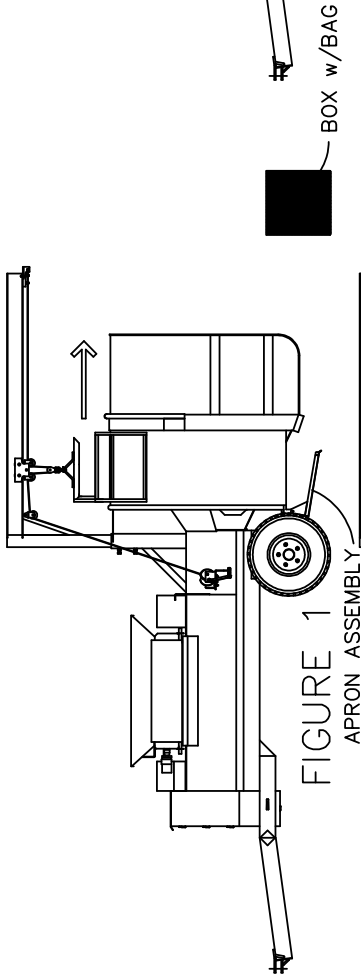
WARNING! ALL WORK TO INSTALL THE BAG SHOULD BE DONE FROM THE GROUND & BY STEPPING ONLY ON THE AXLE. DO NOT CLIMB ON THE ROTO-PRESS. CLIMBING ON UNIT MAY RESULT IN INJURY OR DEATH FROM A FALL.

2.) Winch the trolley\bag lift (if so equipped), pulling it along on both sides while standing on the ground and lower to approximately 3' off the ground. (Figures 1 & 2) Note: 3 or more people should be present at this point.

3.) Position the box containing the proper size bag for your bagger behind the bag lift. Making sure the arrow is toward the machine. Cut the straps around the box and remove the top portion, discard the top half. Unfold the remaining box flaps. Remove the two (2) blue straps that are holding the bag together. Leave the rest alone for now. Make sure the black side is toward the machine. Having one person on each side of the bag, take a flap, lift and lay the top half out and pull the bottom half out so the bag lays flat. Two (2) people should put their arms between the top flaps, put the bag around the bag lift. (Figure 3) Remember to position the bag so the bars and lettering used to measure the stretch of bag are easily reached (approximately 3' to 4' from ground).

4.) Using the two (2) blue straps cut earlier, lift and place around bottom position of the bag. Slide the cardboard so that the flaps will just go up onto the apron. (Figure 3) Then slide the bag onto the bag apron. Raise the bag lift and roll it forward all the way to the front, sliding the bottom of the bag along onto the bag apron. Slide the cardboard just off of the apron.

Bag Installation Instructions



WARNING!
ALL WORK TO INSTALL BAG SHOULD BE DONE FROM THE GROUND & BY STEPPING ONLY ON THE AXLE. CLIMBING ON UNIT MAY RESULT IN INJURY OR DEATH FROM FALL.



ALWAYS HAVE MACHINE CONNECTED TO TRACTOR WITH THE ENGINE SHUT OFF SO THAT THE WEIGHT OF BAG DOES NOT CAUSE MACHINE TO RAISE IN FRONT.



5.) Put the bag around and under bottom of the shroud. And be sure to put the bag on so that the bottom bag folds come off first. Then winch the bag lift up and move trolley/bag lift back over shroud. (Figure 4)

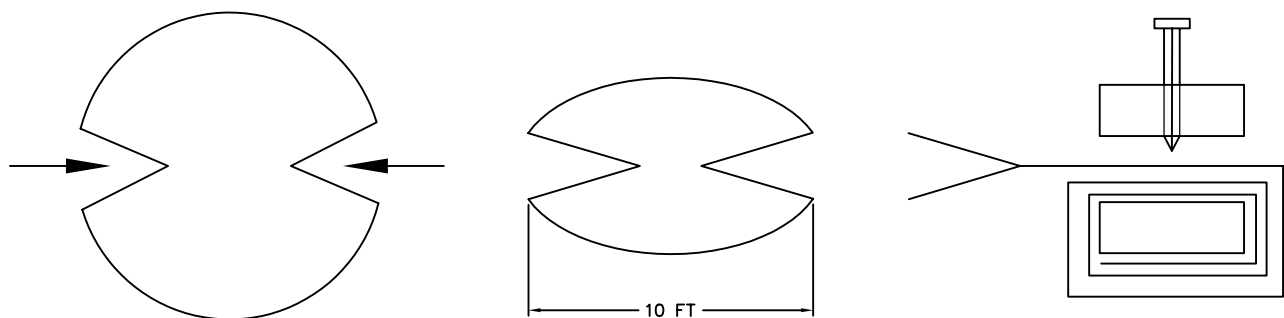
Caution: Do not over tighten bag lift cable as to bow bag lift ends. Be careful not to pinch the bag.

6.) Being careful not to cut the bag, cut the remaining straps and remove them. Carefully pull the inside layer of the bag off. A gentle tugging action works well. Make sure you don't pull the rest of the bag off the bag lift. Pull the bag off to 6 feet behind the machine. With one person on each side, pull the main part of the bag out and forward on the apron. This will get the wrinkles out and avoid getting the bag caught between the bag apron and the machine.

7.) Raise the bag apron up. Put the bungee cord over the bag just behind the main bag yet ahead of the tube. Place ropes with the bottom side of the bag apron and the hook into the holes in the front tube (keep the hook to the outside so it does not catch on the bag) about half way up to begin. (Figure 6) Do the same on both sides. The cord must be tight and go on the front side of the apron. This is very important. Tie the ropes on the bungee cord forward to their appropriate hooks.

8.) Now to close the bag, pull enough off of the shroud so that you can close off the one end. Pull a little more off of the bottom to start out. It is important not to allow wrinkles and to keep the bag fold lines straight. Take the opening of the bag and fold in both sides to form a pleat. Also requires the use of (2) 10' 2 x 4's. (Figure 3) Place the blank board on top and roll the bag around it four (4) times. Place the pre-nailed board on top to sandwich the plastic and nail them together.

Figure 6



9.) Let the boards hang down or prop them up against a bale or by backing a truck, tractor or skidloader to act as a back stop to hold them securely for the first three loads. This is to compensate for the bag coming off the top later. Check that the apron is just loose enough to let off one fold at a time. Also check for tearing at the bottom. If this occurs loosen the bungee cord and tape the tear.

10.) Read directions and information sheet in the bag box completely. Measure for proper stretching of the bag. The ROTO-PRESS does have the ability to over stretch and burst the bag.



WARNING! DO NOT STAND UNDERNEATH THE CONVEYOR WHILE IT IS BEING LET DOWN.

11.) Let the conveyor down. This is done by raising the conveyor up and pulling down on the safety, if so equipped. Lower down to just off the ground, or to the desired height. Make sure the conveyor never comes in contact with the ground. Flip the hopper end chute over into its operating position. Hook up the tractor hydraulics, and check the belt rotation to make sure the belt is moving in the right direction. If available, adjust the tractor hydraulic flow to as slow as possible, and then adjust the ROTO-PRESS flow control to the desired speed. This will decrease the amount of heat created by pushing the excess oil over the bypass of the flow control.

12.) The ROTO-PRESS conveyor is equipped with a safety stop bar located across the width of the conveyor, and is easily accessible from either side. Pulling the safety bar down will instantly shut the conveyor off. Pushing it up will resume operation. Always check the operation of the safety stop bar before beginning to fill the bag.

13.) Auger units need to be mounted at this time using a loader and a chain to raise the auger up. Lower the peg into the hole on the right side of the machine. Hook up the hydraulic hoses. Place the auger as far forward as possible.

14.) To set the brakes on the ROTO-PRESS, remove the keeper pin on top of the brake assembly. Take the brake handle/wrench and insert into the tube and then pull down. Tension is adjusted by using brake/wrench handle on center portion of turnbuckle and turning, or (older units) turning the nut located on the threaded portion of the connecting rod.

ATTENTION! DO NOT SET THE BRAKES ON THE ROTO-PRESS SO TIGHT THAT IT CAUSES THE BAG TO SLIDE ON THE GROUND, THIS WILL TEAR THE BAG! SET THE BRAKES ON THE BAGGER LIGHTLY FOR THE FIRST THREE LOADS!

Adjust the ROTO-PRESS brakes as necessary after the first three loads.

15.) Start the tractor and place it in neutral, but not in park!. **This is very important!** Run at PTO speed. Lock in the hydraulic lever to run the conveyor.

BAG FILLING

1.) The bag fills in direct relationship to the machine filling it. Watch the bag and the folds as they come off of the cone, **as they must come off evenly**. If either the top or bottom gets ahead, then pull off whatever is necessary to straighten them out, or it will only continue to get worse. The unfolding bag must be regularly checked, because with certain conditions such as temperature, bag apron position, or improper bungee cord tension the bag may come off two or more folds at a time. If the bag is regularly checked this will not be a problem as the extra fold can be retucked into place. **If not regularly watched, the whole bag could come off the end of the bagger.**

2.) Start filling. As the bag is filling, pull the bag toward the rear to avoid wrinkles on the ground. It may be necessary to adjust the position of the bag pan and bungee cord, after some of the bag has come off.

3.) An overflow door placed just behind the conveyor tells you if you need to slow the conveyor down. On the front side of the conveyor is a flow control to regulate the speed of the conveyor.

On roller mill units, adjust the slide control on the top so that the corn is getting to the entire roller. It should be mounded up just a little to make this happen.

On auger units, do not overfill the hopper. If it is full at the tube opening, that is good enough.

4.) Continue filling the 2nd load. Check that the wheels are not sliding. Also, check the stretch marks on the bag. Do these about five (5) feet behind the machine. Apply or release the brakes according to the bag manufacturers allowable stretch.

On roller mill units, check the desired crack. Check this at the inspection hole on the right side of the machine. Adjustments can be made at the rear, left hand side of the units.

5.) On every load, check the stretch of the bag. Check whether it is coming off straight, check the tractor alignment, and inspect the bag for tears.

6.) To finish the bag, leave four (4) folds on the bagger. Stop filling, stop PTO and hydraulics. On auger units remove the auger. Drive ahead slowly till the machine is just out of the bag. The end can be closed off the same way it was started, or the plastic can be folded over and put dirt over top to keep the wind from blowing the bag open. (Figure 8)



7.) Take two (2) pieces of patching tape and place them in a cross configuration at one end of the bag. Cut about a dime size hole in the center of the cross. Let the bag vent for one (1) day, then seal the hole with another piece of patching tape. Your bag is now complete.

Important! When opening the bag, always cut around the bag, never lengthwise.

MAINTENANCE

1.) When the bag is full, and has been properly closed it will require a minimum amount of maintenance. It is advised that a periodic check be made around the bag to check for any holes that need to be patched. Good rodent control is a must, so keep spilled feed to a minimum when filling to prevent rodent attraction to the location.

OPTIONS

- 1.) When filling bags with a highly floatable product such as shell corn, corn gluten, small grains or pellet fertilizer etc., ROTO-PRESS has a kit available that makes this type of bagging much easier. The shell corn kit is a complete bolt on kit available from the factory. For further details, see the enclosed diagram at the end of this manual, or consult the factory.

- 2.) If you add silage preservative in your bagging program, ROTO-PRESS has the set-up for you. If using a liquid inoculate, your ROTO-PRESS is already equipped with a pipe coupling welded into the side of the u-through. If using a pellet inoculate, there is a bolt on Gandy applicator kit available, complete with wire harness. For further details see the enclosed diagram at the end of this manual, or consult the factory.

- 3.) A conveyor flow control is also available to level out the product in the conveyor. This is used in conjunction with the silage preservative.

- 4.) For greater compactness, a brake assist & chain installation kit is available.

OPERATION OF ROTO-PRESS BRAKING CHAIN AND STAR ASSEMBLY

PURPOSE

The purpose of the braking chain and star is to assist in the braking action of the wheels of the Roto-Press, so that in effect, less wheel brake is needed. The braking chain and star does this by creating drag as it is pulled through the bagged product. The assistance provided by the braking star will increase the braking power in less than ideal ground conditions. This will result in more dense and uniform bags, with an overall higher quality product.

INSTALLATION

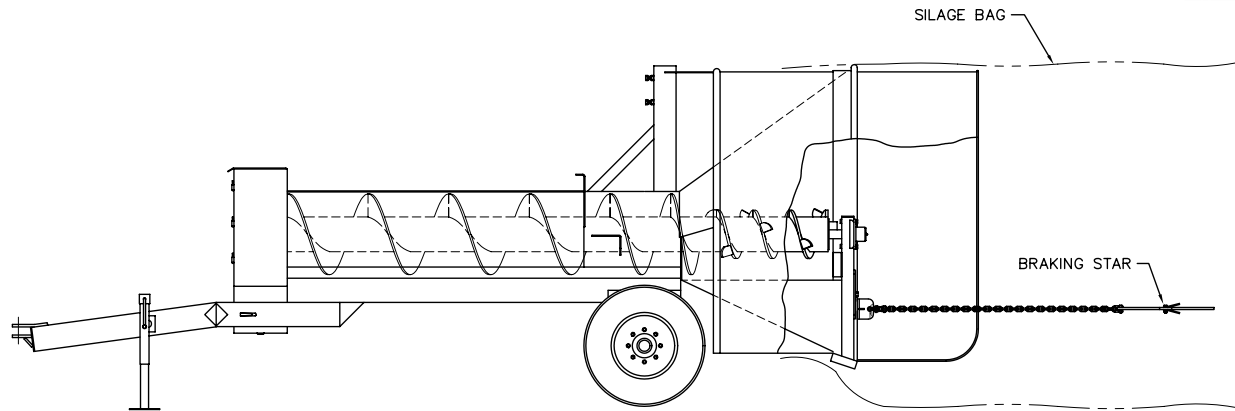
The braking chain and star assembly is mounted to the Roto-Press via the rear post. Supplied with this kit is a hitch plate (Part# RP200209) and a receiver (Part# RP100465), which are welded to the rear post at the location specified by drawing RP200070. The hitch plate is for mounting the braking chain and star, and the receiver is to hold the braking chain and star assembly during transport. The braking chain and star are mounted to the hitch plate by the 7/16 clevis supplied with this kit.

OPERATION

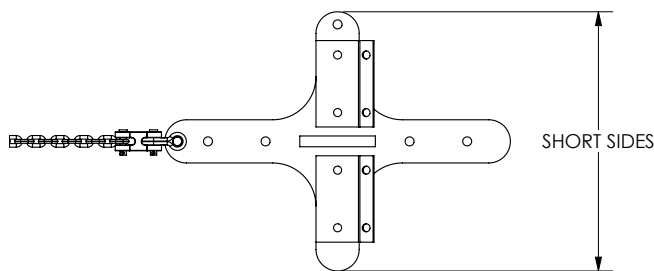
The braking chain and star will act as an invisible brake that you will not have to adjust while bagging each individual bag.

- 1) The braking chain and star must be attached to the hitch plate and set loose on the bottom of the bag.
- 2) Setup and start the Roto-Press as outlined in your operator's manual.
- 3) As the bag comes off the Roto-Press, the braking chain and star will automatically extend as the machine moves forward and create a braking force.
- 4) The final adjustment of bagging pressure, as indicated by bag stretch, will still be controlled by the braking of the wheels. However, the operator should notice a significant decrease in the amount of wheel pressure that is needed.
- 5) The amount of braking force created by the braking chain and star can be changed by rotating the position of the star and the drags that are bolted to it. When the drags are mounted with the short side bolted to the star, more braking force is created. When the long side is bolted to the star, less braking force is created. The drags can be bolted on in basically any combination.
- 6) Due to the variables that exist in different products and ground conditions, the setup of the braking chain and star will largely be based on operator experience.

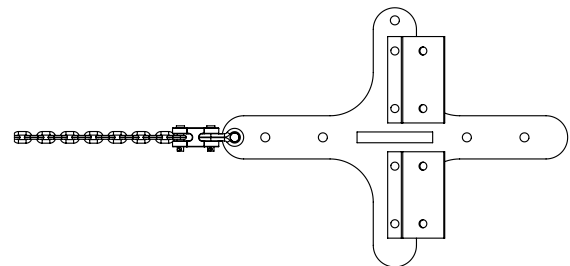
ROTO-PRESS BRAKE ASSIST



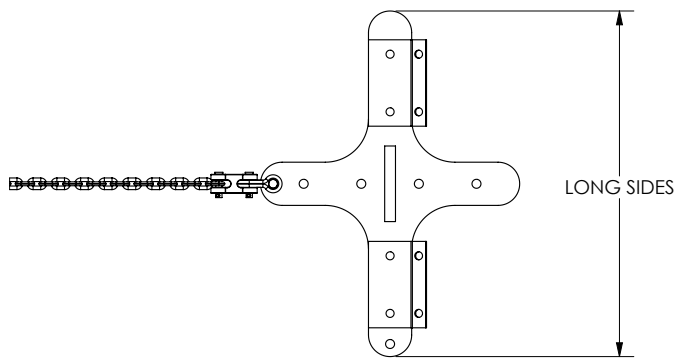
The Brake Assist is designed to do approximately 50% of the braking needs. The setting of the Brake Assist will change by the type of product being bagged.



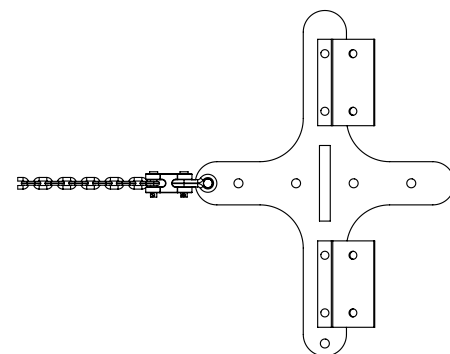
SETTING #1



SETTING #2



SETTING #3



SETTING #4

SETTINGS:

- 1.) Low on short side- lowest braking
- 2.) High on short side- low braking
- 3.) Low on long side- high braking
- 4.) High on long side- highest braking

PRODUCT:

- 1.) Grass, legumes, long cut, high moisture, small diameter machine.
- 2.) Grass, legumes, fine-medium cut, larger diameter machines.
- 3.) Corn silage, grains-smaller diameter machines.
- 4.) Corn silage, grains-larger diameter machines.

These settings are suggested starting points only! The length of cut, moisture, bagging up hill or down hill as well as dry or wet ground conditions will change braking needs.

ROTO-PRESS Lubrication Points

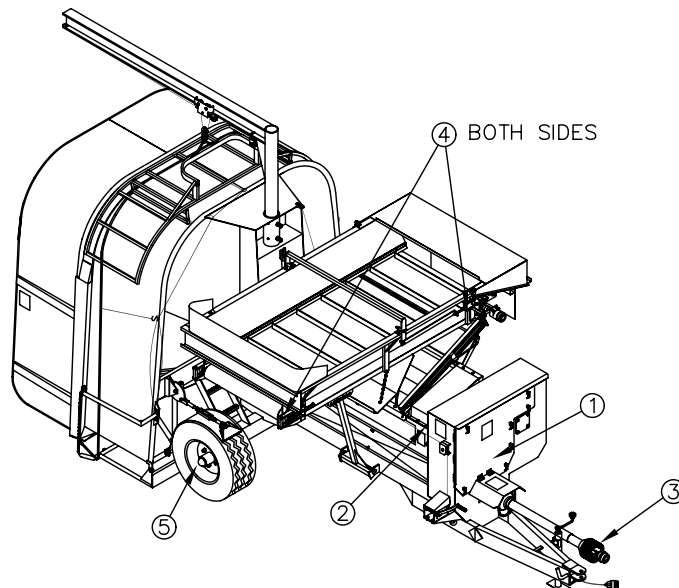


DANGER! DISENGAGE PTO, TURN OFF TRACTOR AND WAIT FOR ALL MOVING PARTS TO STOP BEFORE ATTEMPTING TO LUBRICATE THIS MACHINE!

Lubrication Schedule

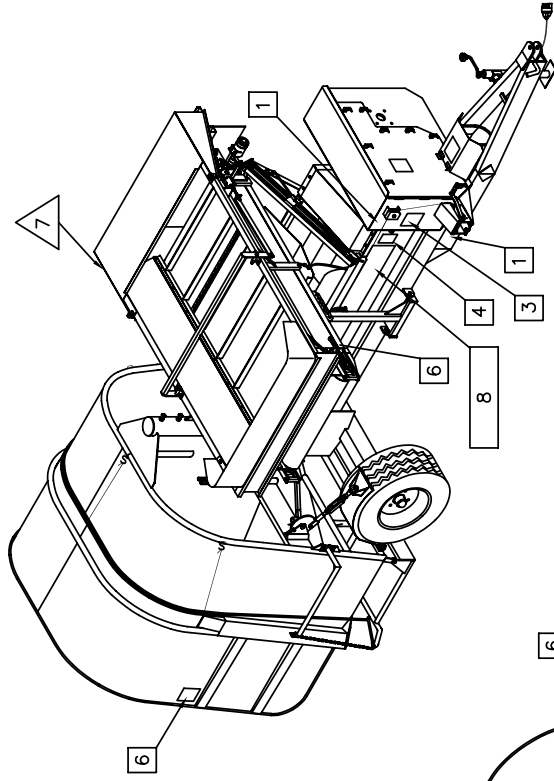
All lubrication points are shown on the accompanying diagram.

ITEM	LUBRICATION	INTERVAL
1. CHAIN DRIVE	JD HY-GUARD IH HY-TRAN	KEEP OIL LEVEL UP TO BOTTOM SPROCKET
2. FRONT AUGER BEARING	STANDARD ALL PURPOSE GREASE	ONE PUMP DAILY
3. POWER TAKE OFF	STANDARD ALL PURPOSE GREASE	EVERY 10 HRS OF OPERATION
4. BELT CONVEYOR	STANDARD ALL PURPOSE GREASE	EVERY 20-30 HRS OF OPERATION
5. WHEEL BEARINGS	STANDARD ALL PURPOSE GREASE	PACK ANNUALLY

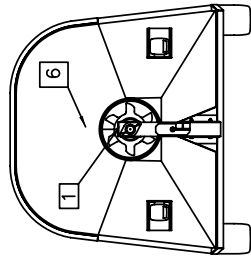


RIGHT FRONT VIEW

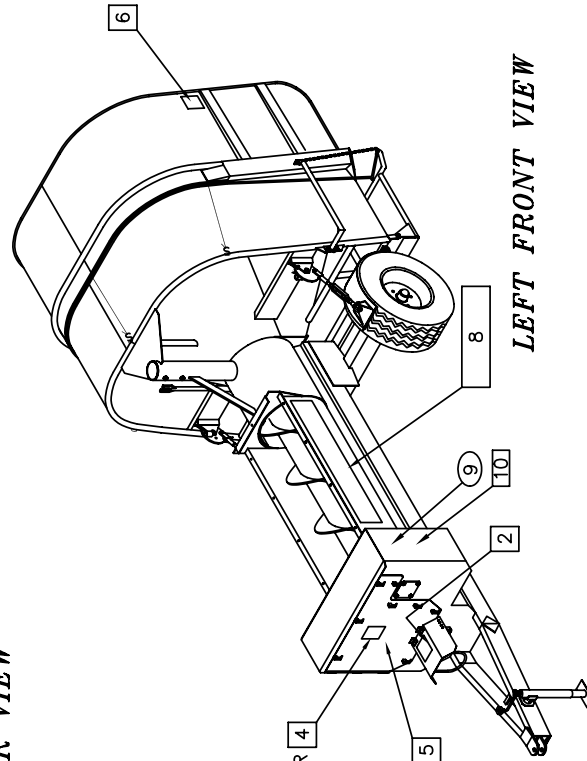
Main Machine Decal Location



RIGHT FRONT VIEW



REAR VIEW



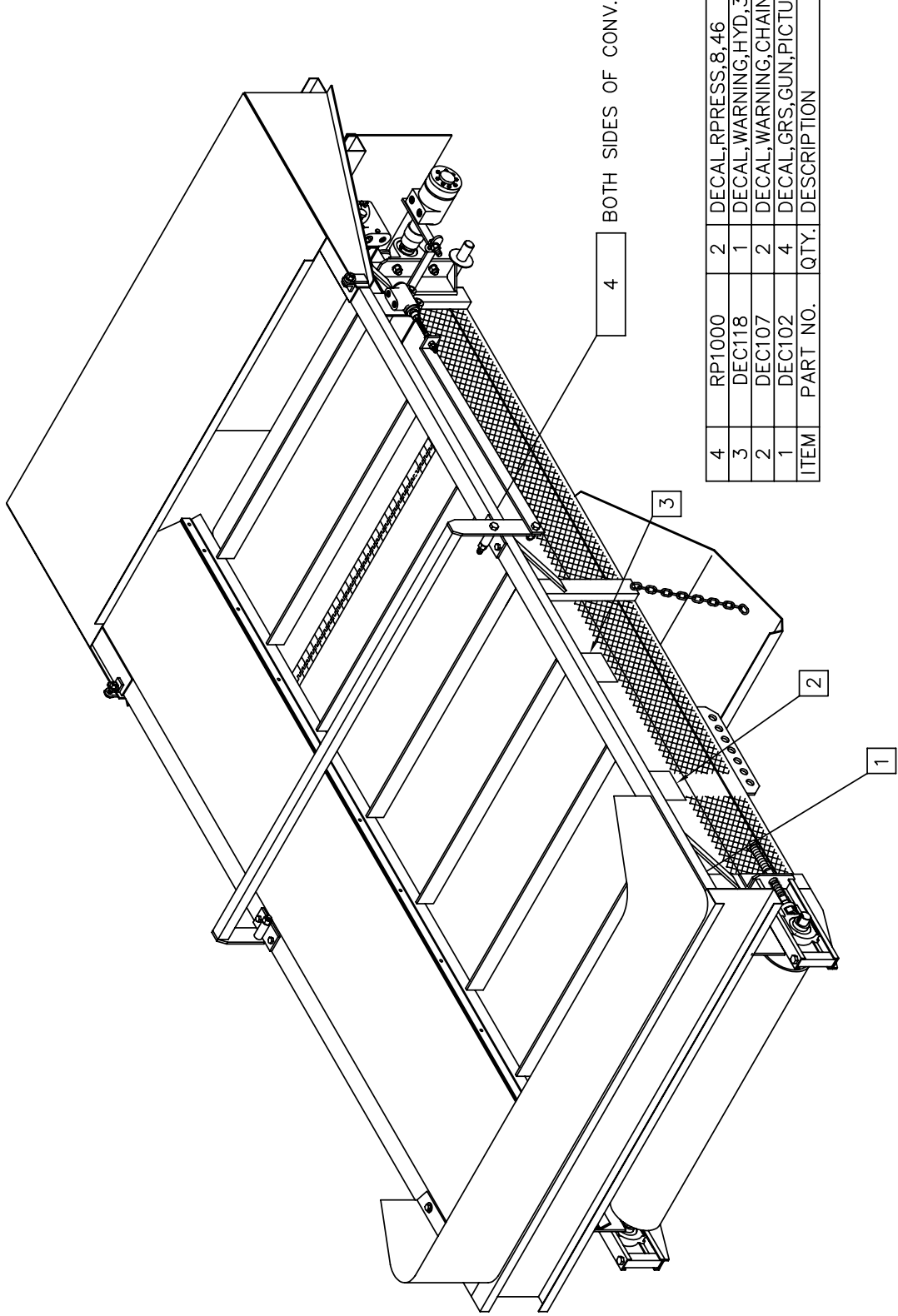
LEFT FRONT VIEW

OUTSIDE OF DOOR 4

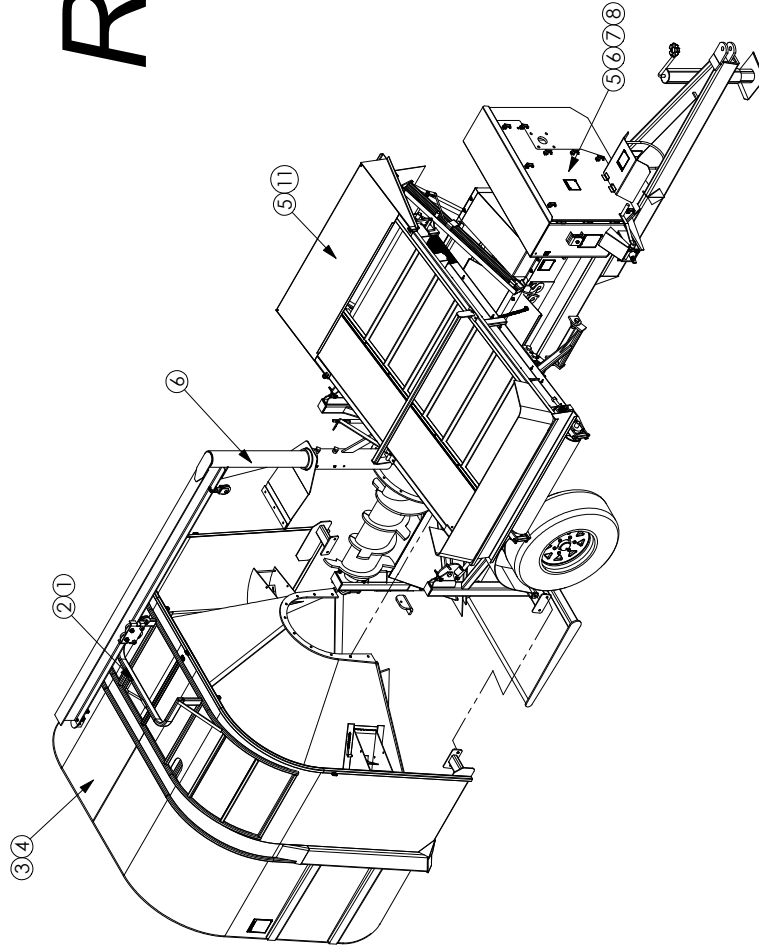
INSIDE OF DOOR 5

10	DECSIOUX	1	DECAL, DEALER, SAC, 1.75, 4.75
9	DEC128	1	DECAL, SAC, LOGO, NEW, 3, 5.66
8	RPT000	2	DECAL, RPRESS, 8, 46
7	DECSM/METAL	1	DECAL, VEHICLE, SLOW, MOVE, METAL
6	DEC111	4	DECAL, DANGER, AUGER, 5, 6
5	DEC110	1	DECAL, DANGER, SHIELD, 4, 4
4	DEC108	2	DECAL, WARNING, PART, MOVING, 4, 4
3	DEC106	1	DECAL, CAUTION, MAN, OWNER, 5, 6
2	DEC105	1	DECAL, DANGER, DRVLN, ROTATE
1	DEC102	3	DECAL, GRS, GUN, PICTURE
ITEM	PART NO.	QTY.	DESCRIPTION

Conveyor Decal Location



4	RP1000	2	DECAL, RPRESS, 8, 46
3	DEC118	1	DECAL, WARNING, HYD. 3.5, 5
2	DEC107	2	DECAL, WARNING, CHAIN, EXPOSED
1	DEC102	4	DECAL, GRS, GUN, PICTURE
ITEM	PART NO.	QTY.	DESCRIPTION



REFERENCE ONLY

ITEM #	QTY	PART #	DESCRIPTION
1	1	RP200133	LIFT,BAG,8'
2	1	RP200193	LIFT,BAG,9'
3	1	RP200285	TUNNEL,RP,890,8'
4	1	RP200288	TUNNEL,RP,890,9'
5	1	RP300211	RP,890,ASSY
6	1	RP300215	LIFT,BAG,BOOM,KIT,890
7	1	RP200300	RP,890,BAG,FASTENERS
8	1	RP300221	DRIVE,RP,1000,1.38,ASSY
9	1	RP300222	DRIVE,RP,1000,1.75,ASSY
10	1	RP300223	DRIVE,RP,540,1.38,ASSY
11	1	RP300224	DRIVE,RP,540,80HP,ASSY

ROTO-PRESS 890 Bill of Materials



ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
1	3	BLT12X1NC	BLT,HEX,1/2,1,NC,G5	46	3	RP200253	ROPE,BUNGEE,HOOK
2	5	BLT12X2NC	BLT,HEX,1/2,2,NC,G5	47	1	RP200286	PAN,BAG,UNIV
3	1	BLT12X412NC	BLT,HEX,1/2,4,1/2,NC,G5	48	1	RP200290	POST,BRG,INTER,WLD
4	2	BLT12X612NC	BLT,HEX,1/2,6,1/2,NC,G5	49	1	RP200291	SUPPORT,TOP,TUNNEL
5	4	BLT34X112NC	BLT,HEX,3/4,1-1/2,NC,G5	50	1	RP200292	MOUNT,JACK,BOT,BAG,LIFT
6	6	BLT34X212NC	BLT,HEX,3/4,2-1/2,NC,G5	51	1	RP300141	CNV,SHORT,ASSY
7	16	BLT38X1NC	BLT,HEX,3/8,1,NC,G5	52	1	RP300195	HARNES,LIGHT,WIRING
8	1	BLT38X312NC	BLT,HEX,3/8,3-1/2,NC,G5	53	1	RP300210	RP,890,WLD
9	4	BLT516X1NF	BLT,HEX,5/16,1,NF,G8	54	8	SP14X1TS	SCREW,HEX,1/4,1,DRILLING
10	1	BRGFB22448H	BRG,FLG,4BLT,3	55	1	SPCABCLP12	CLAMP,CABLE,1/2
11	1	CAB14THIMBLE	THIMBLE,CABLE,.25	56	2	SPCABCLP14	CLAMP,CABLE,1/4
12	1	DEC102	DECAL,GRS,GUN,PICTURE	57	10	SPCABLETIEHVY	TIE,CABLE,HVY,#175
13	1	DEC108	DECAL,WARNING,PART,MOVING,4,4	58	25	SPCABLETIEMED	TIE,CABLE,MED,#30-50
14	1	JACK155TWL	JACK,TOPWIND,15,2000LB	59	4	SPCF316X2	PIN,COTTER,3/16,2
15	6	NUT12LOCKNC	NUT,LOCK,1/2,NC,G5	60	2	SPCF325	PIN,CYL,1,3-1/4
16	5	NUT12NC	NUT,HEX,1/2,NC,G5	61	1	SPDLB2000A	WINCH,2000#,W/DISCBRAKE
17	4	NUT34LOCKNC	NUT,LOCK,3/4,NC	62	1	SPHPN332	PIN,HAIR,3/32
18	8	NUT34NC	NUT,HEX,3/4,NC,G5	63	1	SPOSRG234	RING,SNAP,OUTSIDE,2,75
19	1	NUT38LOCKNC	NUT,LOCK,3/8,NC,G5	64	2	SPPPN51622PTL	PIN,LOCK,P/O,5/16,2-1/2,SQ
20	16	NUT38NC	NUT,HEX,3/8,NC,G5	65	2	SFSQHNC,34X2	SCREW,SQ,3/4,2,NC
21	4	NUT516LOCKNF	NUT,HEX,5/16,NF,G8	66	8	SI1700382	CLAMP,LOOM,.25
22	2	NUT58CS1L	NUT,SLOTTED,5/8,NF,G8	67	5	WSH12LOCK	WSH,LOCK,1/2
23	9	OSW830212	LATCH,DOOR,C/UP,CURVED	68	1	WSH1FLAT	WSH,FLAT,1
24	1	PFBL34PLUG	PLUG,3/4,BLK	69	1	WSH1LOCK	WSH,LOCK,1
25	3	RP090222	PUL,CABLE,3.5	70	8	WSH34LOCK	WSH,LOCK,3/4
26	1	RP100312	SHIELD,WINCH	71	6	WSH38FLAT	WSH,FLAT,3/8
27	2	RP100431	BLT,HEX,5/8,4-1/2,NC,G5	72	16	WSH38LOCK	WSH,LOCK,3/8
28	1	RP100433	SPACER,RND,3.5,3.06,2.22				
29	1	RP100533	OSW830848,129				
30	1	RP100694	BRKT,TUNNEL,TOP				
31	2	RP110234	TRNBCKL,ASSY				
32	1	RP110268	CAB14,156				
33	1	RP200003	ASSIST,BRAKE,CHAIN,ASSY				
34	2	RP200036	FENDER,BRAKE,WLD				
35	2	RP200039	PIN,FENDER,BRAKE,WLD				
36	2	RP200053	BRKT,PIVOT,CNV				
37	1	RP200088	ELBOW,CNV,SHORT,ASSY				
38	1	RP200131	SLIDE,RAIL,SHORT,ASSY				
39	1	RP200147	BRKT,PUL,WLD				
40	1	RP200183	CORD,BUNGEE,9,.ASSY,175				
41	1	RP200194	AUGER,RP,SHAFT,SPLINE,WLD				
42	1	RP200199	SPK,100,C,60,WLD				
43	1	RP200212	WRENCH,HANDLE,BRAKE				
44	1	RP200240	BRG,RP,WOOD,3.47,RR,ASSY				
45	1	RP200247	SUPPORT,ROD,POST,1				

ROTO-PRESS 890

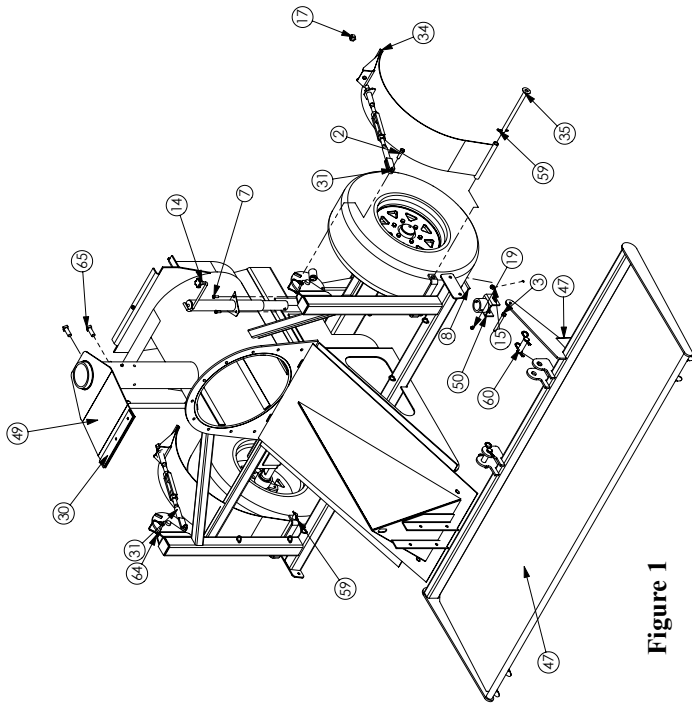


Figure 1

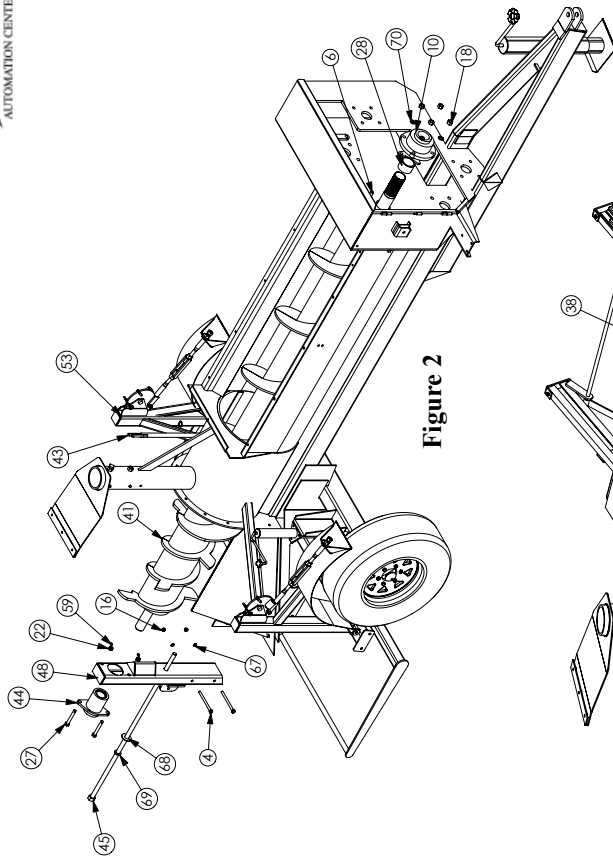


Figure 2

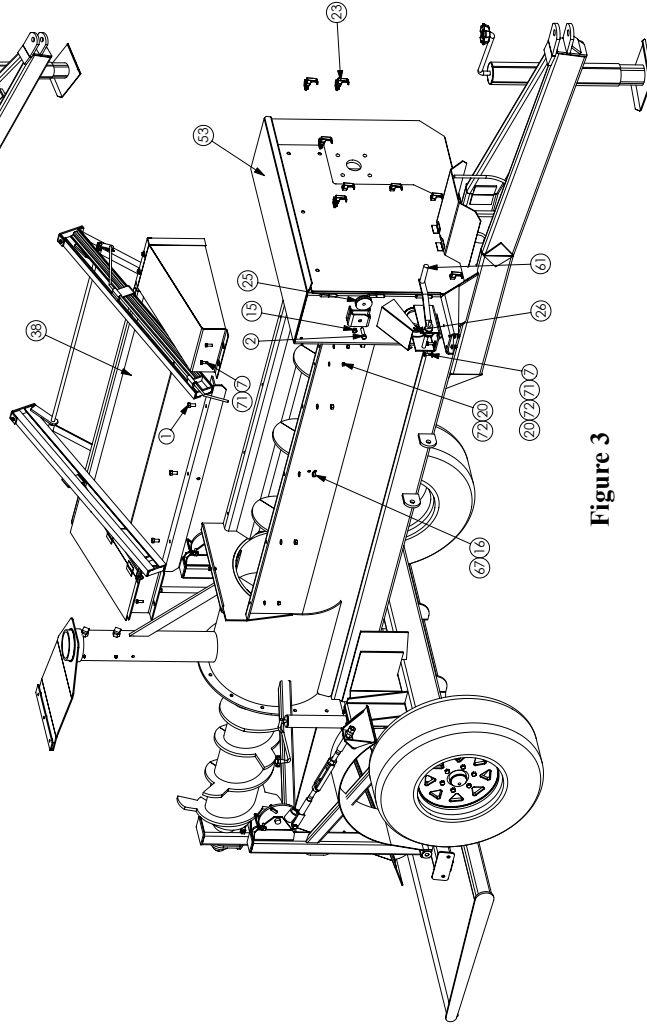


Figure 3

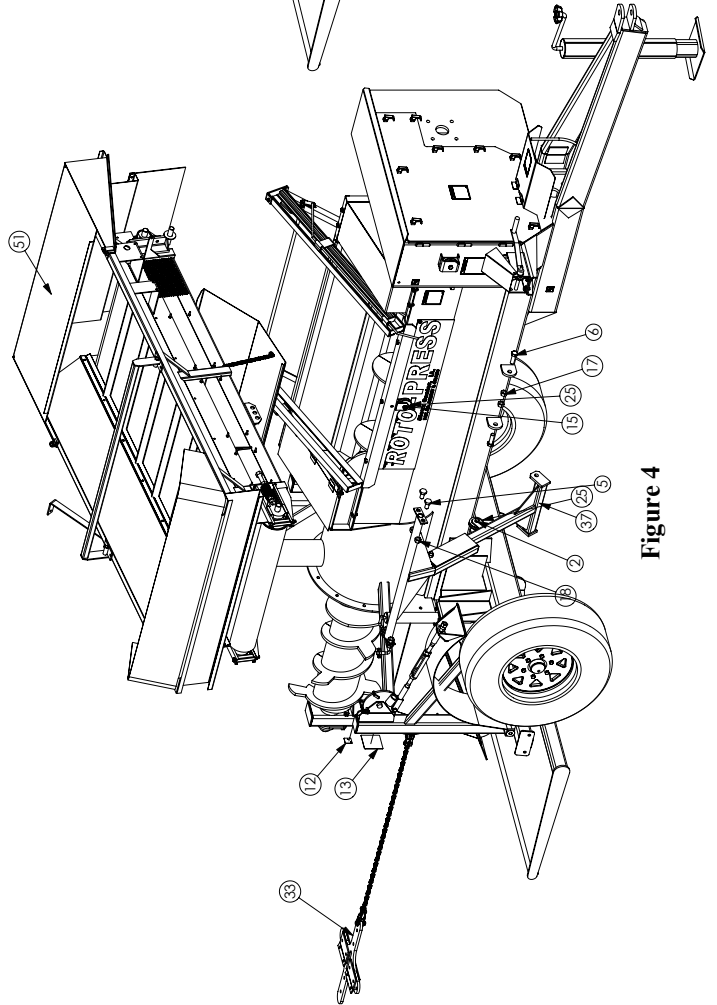
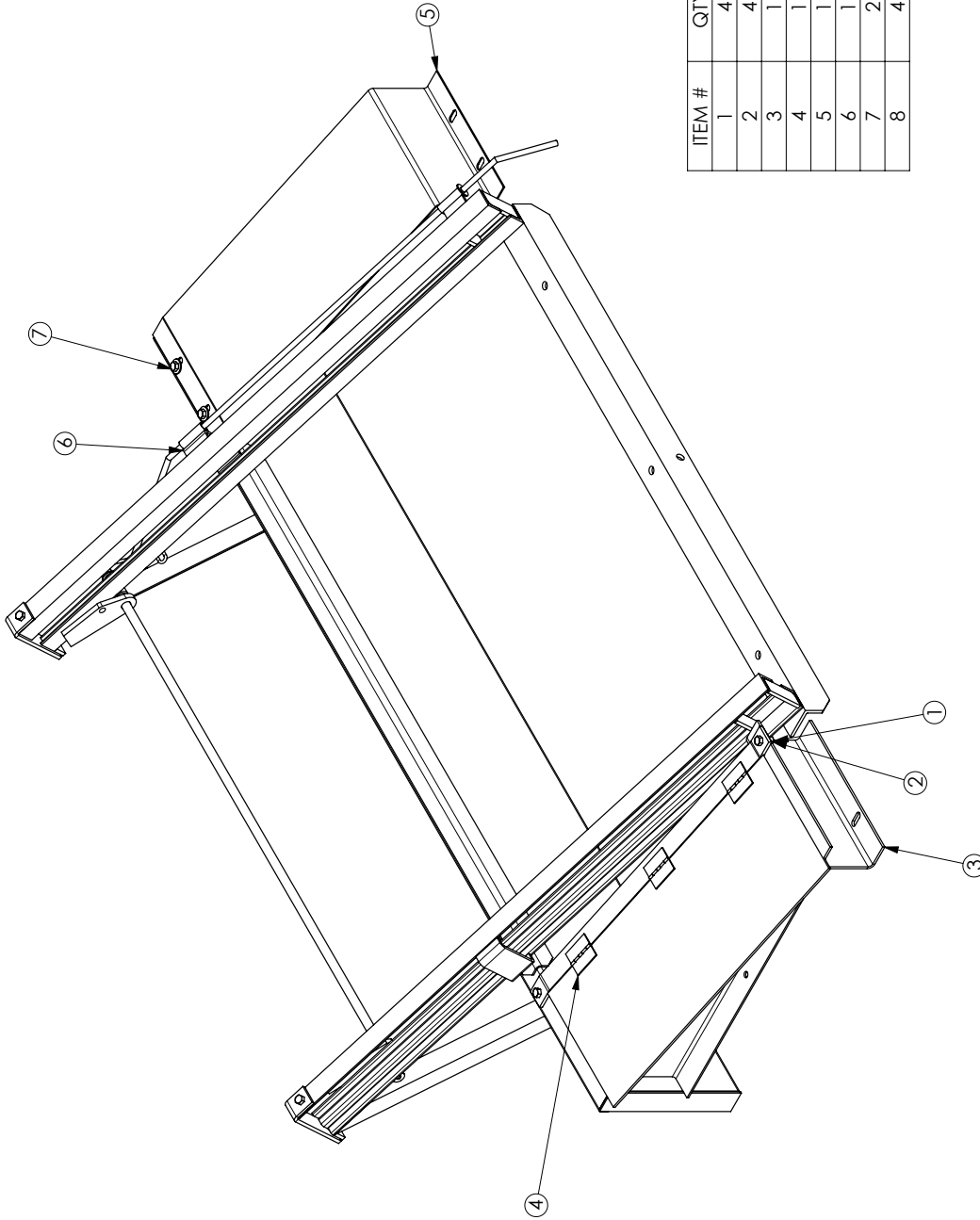


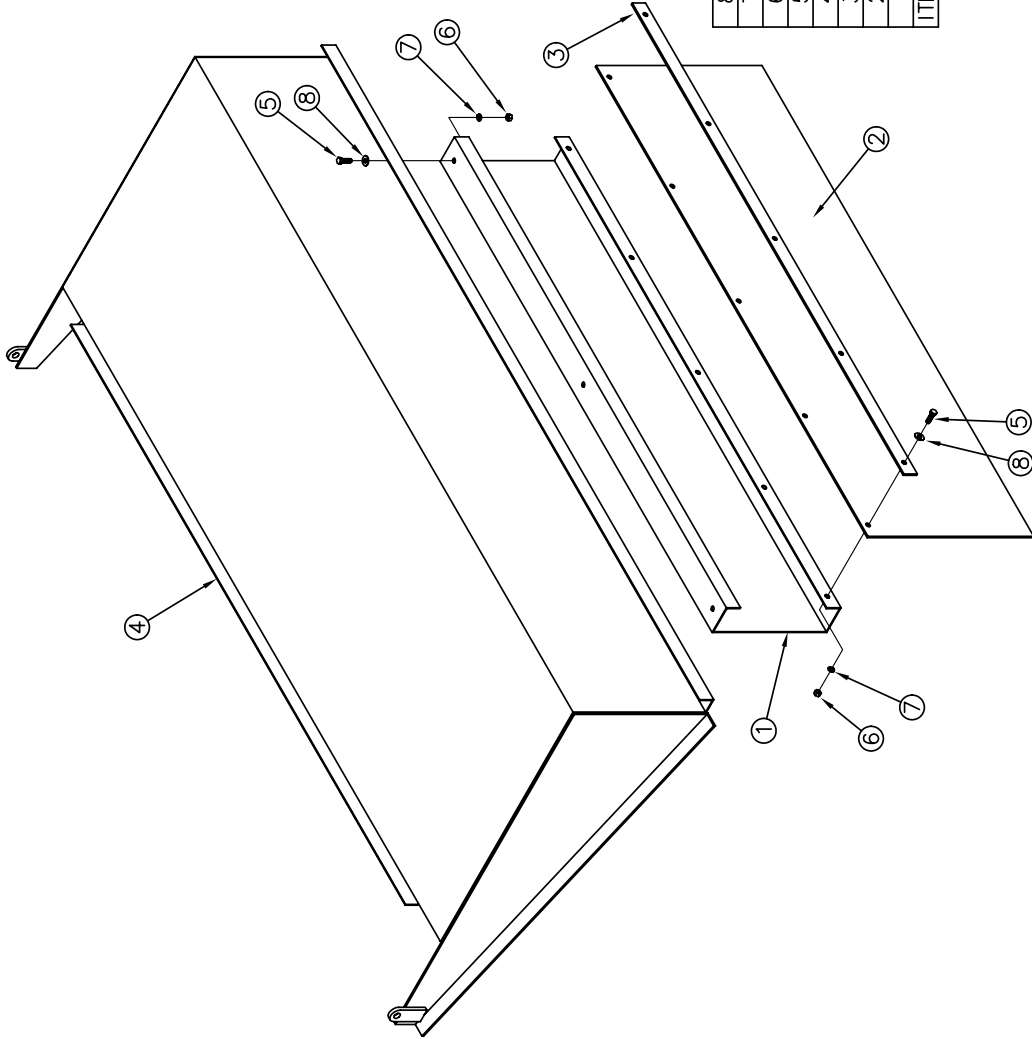
Figure 4

SHORT RAIL SLIDE ASSEMBLY



ITEM #	QTY.	PART #	DESCRIPTION
1	4	BLT38X1NC	BLT,HEX,3/8,1,NC,G5
2	4	NUT38NC	NUT,HEX,3/8,NC,G5
3	1	RP110027	SUPPORT,COVER,ACCESS
4	1	RP200145	DOOR,OVREFLW,WLD
5	1	RP200293	COVER,RAIL,SLIDE,FR
6	1	RP200301	SLIDE,RAIL,SHORT,WLD
7	2	WSH38FLAT	WSH,FLAT,3/8
8	4	WSH38LOCK	WSH,LOCK,3/8

BELT HOPPER DISCHARGE ASSEMBLY

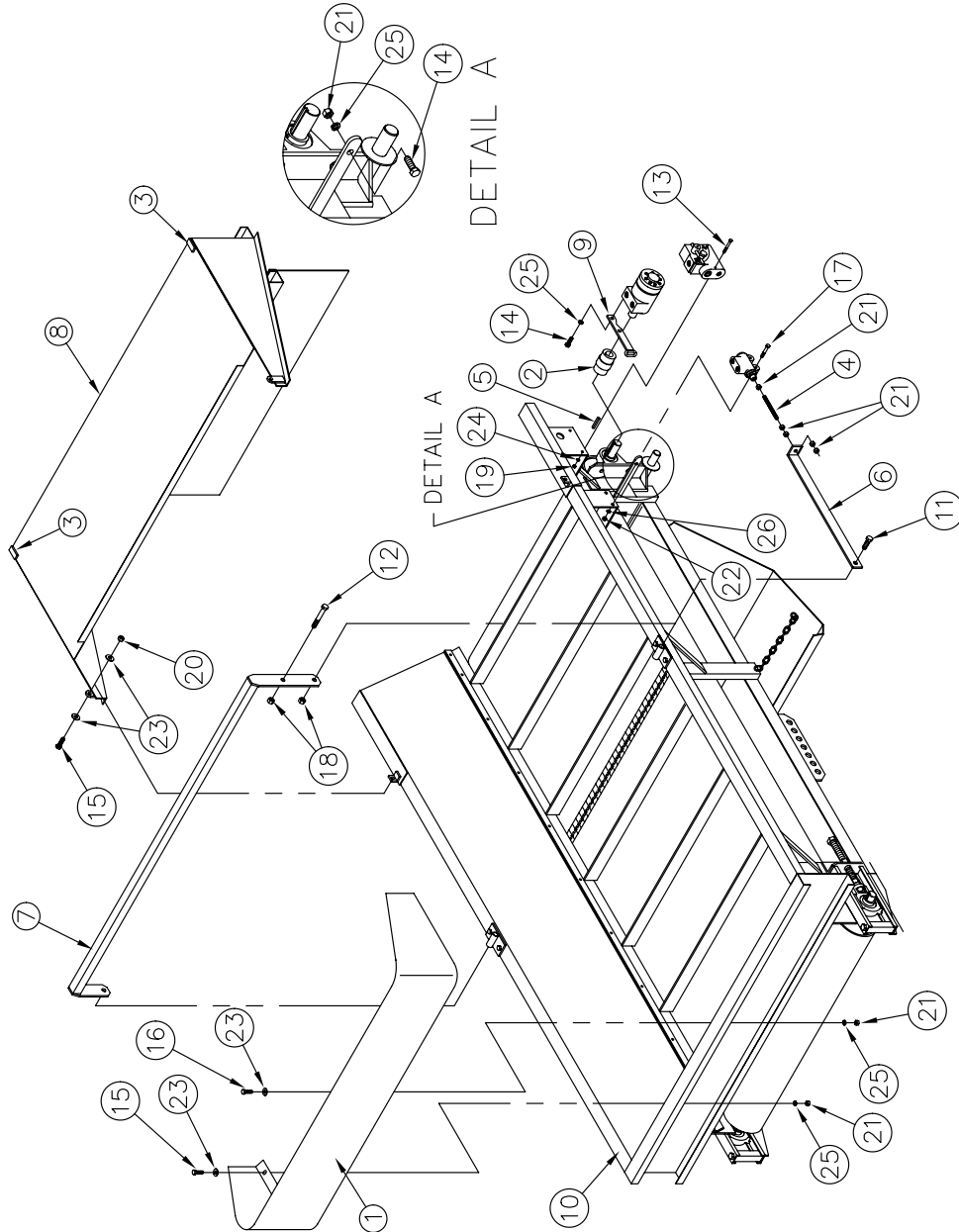


8	WSH14FLAT	8	WSH,FLAT,1/4
7	WSH14LOCK	8	WSH,LOCK,1/4
6	NUT14NC	8	NUT,HEX,1/4,NC,G5
5	BLT14X34NC	8	BLT,HEX,1/4,3/4,NC,G5
4	RP\200048	1	DIS,CNV,WLD
3	RP\100217	1	HOLDER,BELT,DIS
2	RP\100191	1	SHIELD,DIS,RUBBER
1	RP\100184	1	PANEL,DIS,BOT
ITEM	PART NO.	QTY.	DESCRIPTION

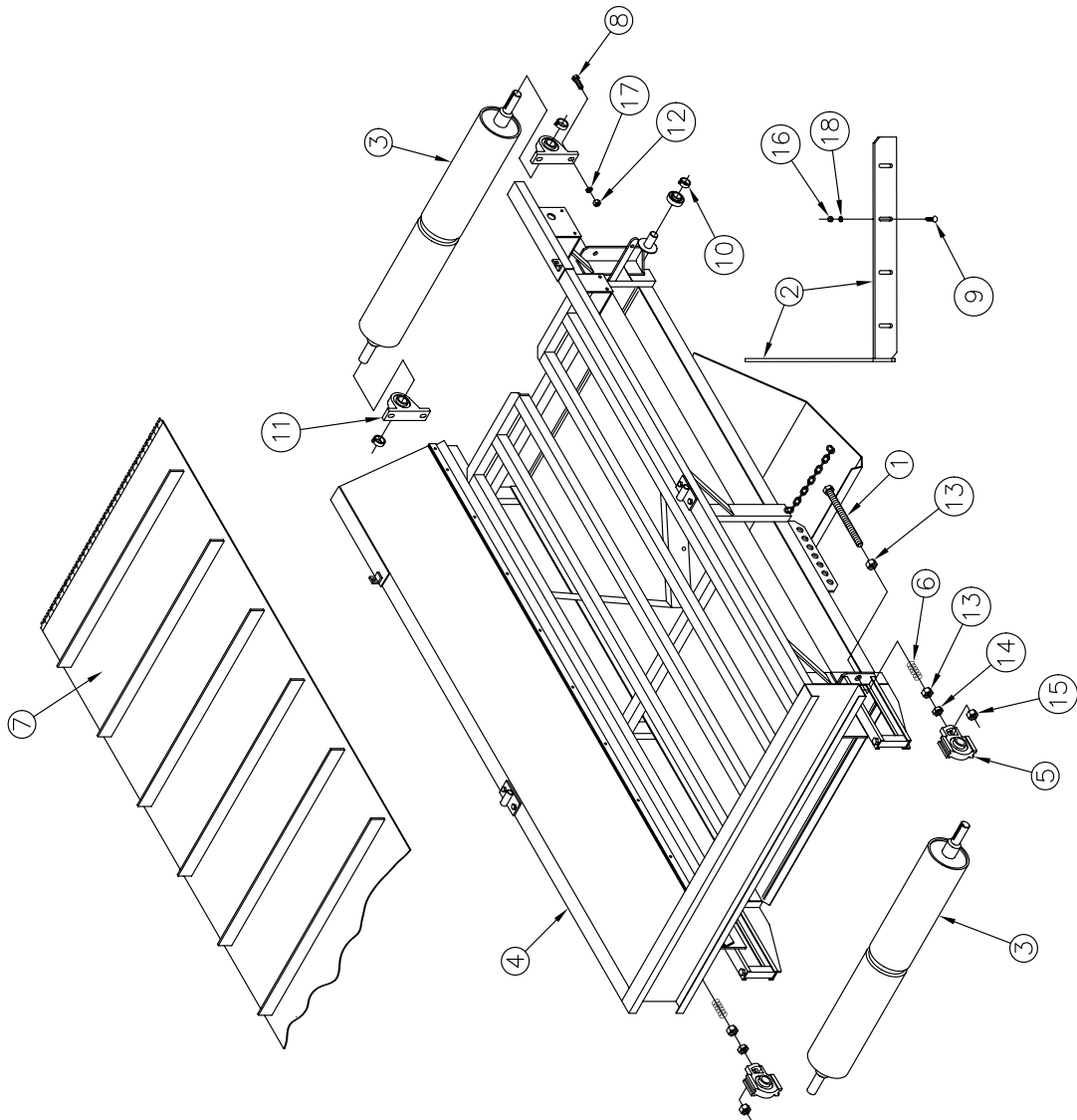
SHORT CONVEYOR ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
26	RP\300140	1	PIC, HYD, CONVEYOR, LNG, 10' RP
25	WSH516LOCK	2	WSH, LOCK, 5/16
24	WSH38LOCK	8	WSH, LOCK, 3/8
23	WSH14LOCK	2	WSH, LOCK, 1/4
22	WSH38FLAT	9	WSH, FLAT, 3/8
21	NUT516NC	2	NUT, HEX, 5/16, NC, G5
20	NUT38NC	11	NUT, HEX, 3/8, NC, G5
19	NUT38LOCKNC	2	NUT, LOCK, PUNCH, 3/8, NC, G5
18	NUT14NC	2	NUT, HEX, 1/4, NC, G5
17	NUT12LOCKNC	3	NUT, LOCK, 1/2, NC, G5
16	BLT516X2NC	2	BLT, HEX, 5/16, 2, NC, G5
15	BLT38X12NC	3	BLT, HEX, 3/8, 1-1/2, NC, G5
14	BLT38X14NC	4	BLT, HEX, 3/8, 1-1/4, NC, G5
13	BLT38X1NC	3	BLT, HEX, 3/8, 1, NC, G5
12	BLT14X212NC	2	BLT, HEX, 1/4, 2-1/2, NC, G5
11	BLT12X3NC	2	BLT, HEX, 1/2, 3, NC, G5
10	BLT12X1NC	1	BLT, HEX, 1/2, 1, NC, G5
9	RP\300191	1	CNV, SHORT, ASSY, #2
8	BURN\11000033	1	MOUNT, FLG, MOTOR
7	RP\200049	1	BELT, HOPPER, DIS, ASSY
6	RP\200023	1	HANDLE, STOP, SAFETY, WLD
5	RP\110092	1	ARM, SAFETY, 23.75
4	RP\100536	1	KEY14X14, 1.25
3	RP\100535	1	SPTHR38NC, 4
2	RP\100534	2	OSWB30848, 1.5
1	RP\100321	1	COUP, CNV, DRIVE
	RP\100269	1	SHIELD, CNV, OVRFLW
			DESCRIPTION

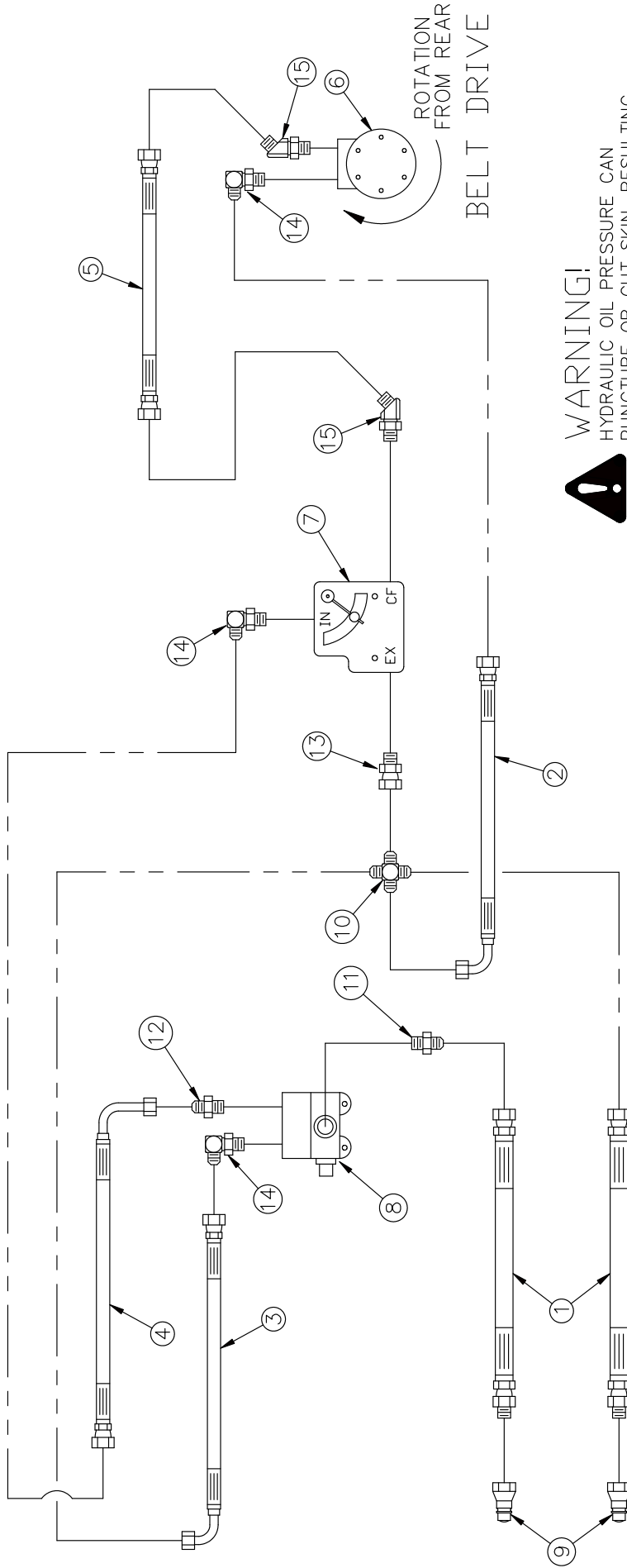


SHORT CONVEYOR SUB-ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
18	WSH38LOCK	8	WSH,LOCK,3/8
17	WSH12LOCK	4	WSH,LOCK,1/2
16	NUT38NC	8	NUT,HEX,3/8,NC,G5
15	NUT34LOCKNC	2	NUT,LOCK,PUNCH,3/4,NC,G5
14	NUT34JAMNC	2	NUT,JAM,3/4,NC,G5
13	NUT34NC	4	NUT,HEX,1/2,NC,G5
12	NUT12NC	4	NUT,HEX,1/2,NC,G5
11	BRGRAK118	2	BRG,PILLOW,1.12
10	BRGRA100RRB	2	BRG,RND,1
9	BLT38X1CNC	8	BLT,CARR,3/8,1,NC,G2
8	BLT12X2NC	4	BLT,HEX,1/2,2,NC,G5
7	RP\090229	1	BELT,CNV,36,180
6	RP\090224	2	SPRING,CMPRSSN
5	RP\090223	2	BRG,TAKEUP,1.12
4	RP\300190	1	CNV,SHORT,ASSY,#1
3	RP\200040	2	ROLLER,CNV,WLD
2	RP\100106	2	SCRAPER,PL,CNV
1	RP\100001	2	ADJ,BLT

HYDRAULIC PICTORIAL FOR CONVEYOR

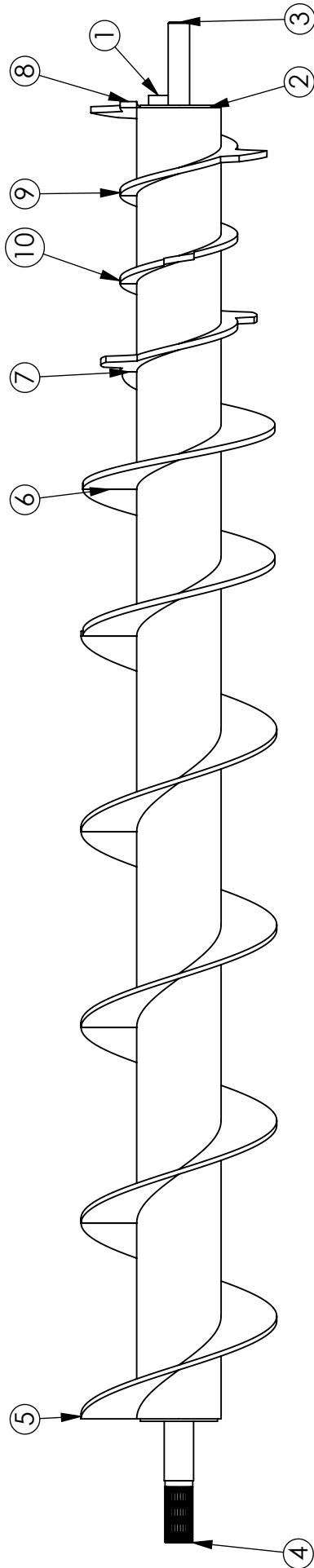


WARNING!
HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

15	HYD6802-8-10	2	ADPT,ELBOW,08,MJIC,10,MORG,45D
14	HYD6801-8-10	3	ADPT,ELBOW,08,MJIC,10,MORG,90D
13	HYD6402-10-10	1	ADPT,CONN,10,MORG,10,FORG
12	HYD6400-8-10	1	ADPT,CONN,08,MJIC,10,MORG
11	HYD6400-10-10	1	ADPT,CONN,10,MJIC,10,JORG
10	HYD2650-10	1	ADPT,CROSS,10,MJIC
9	HYDS7116	2	TIP,COUP,SLEEVE,1WAY,#10FORG
8	RP\090238	1	SLCTR,FLOW,BLUE
7	RP\090237	1	DIVIDER,FLOW,BLUE
6	RP\090231	1	MOTOR,ORBIT,CNV,9.9,BLUE
5	RP\200174	1	HOSE,HYD,1/2,16
4	RP\200173	1	HOSE,HYD,1/2,30
3	RP\200172	1	HOSE,HYD,1/2,21
2	RP\200171	1	HOSE,HYD,1/2,18
1	RP\200170	2	HOSE,HYD,3/4,120
ITEM	PART NO.	QTY.	DESCRIPTION

ROTO-PRESS AUGER WELDMENT



ITEM #	QTY.	PART #	DESCRIPTION
1	1	RP100328	WRM12X1BAR,2
2	1	RP100709	TUBE,AUGER,ROTO-PRESS
3	1	RP200044	SHAFT,WLD,2.19,7.88,18.75
4	1	RP200195	SHAFT,WLD,3,8,13,19,62
5	4	SAC15151	FLT,20,20,8,63,.5,RH
6	1	SAC15153	FLT,19,62,15,8,62,.62,RH
7	1	SAC15155	FLT,19,62,12,8,62,.62,RH
8	1	SAC15549	FLT,12,9,8,62,.62,RH,STL,30
9	1	SAC15902	FLT,12,9,8,62,.62,RH,STL,90
10	1	SAC15903	FLT,12,9,8,62,.62,RH,STL,150

8

7

6

5

4

3

2

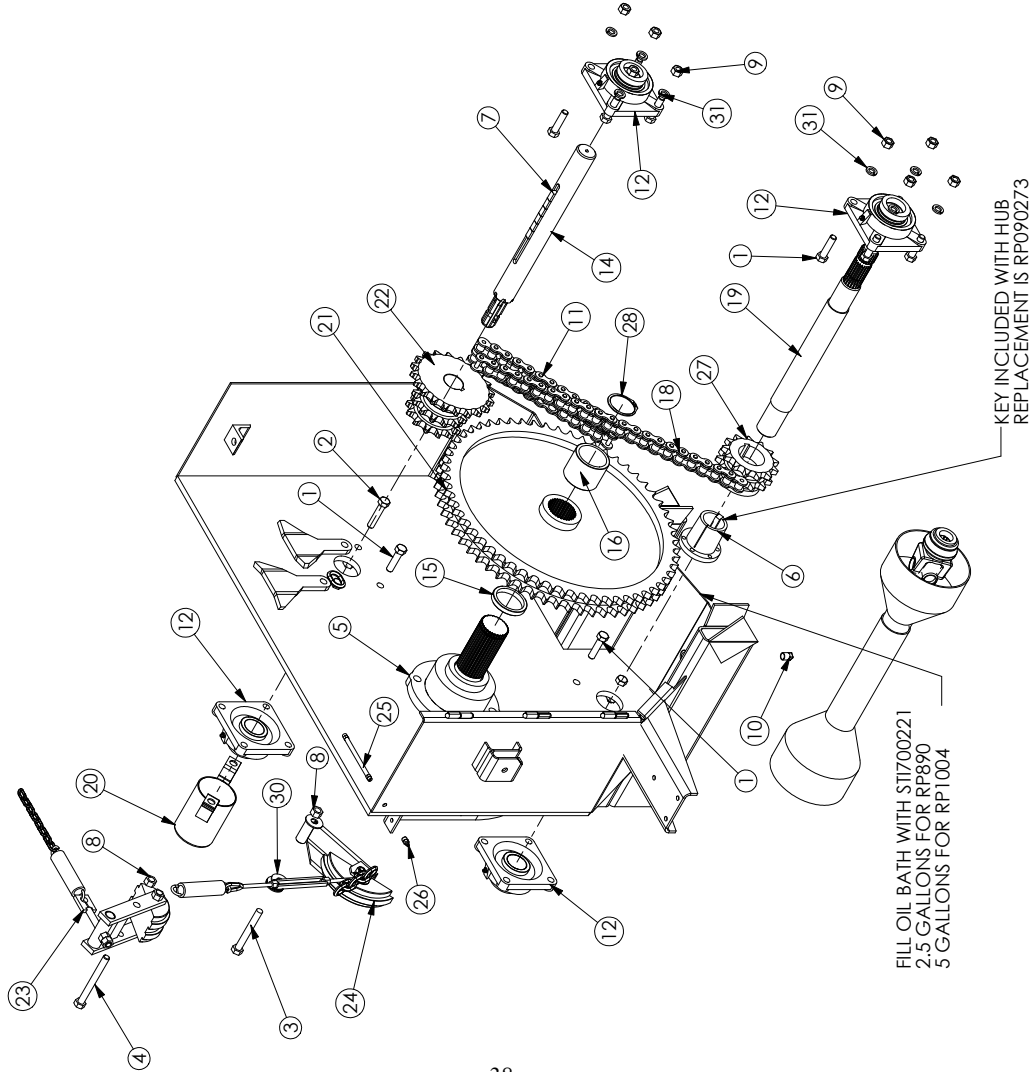
1

ROTO-PRESS CHAIN BRAKE ASSEMBLY

9	NUT12NC	4	NUT,HEX,1/2,NC,G5
8	WSH12LOCK	4	WSH,LOCK,1/2
7	BLT12X134NC	4	BLT,HEX,1/2,1-3/4,NC,G5
6	SPHPN18	1	PIN,HAIR,1/8
5	SPCL606	2	CONN,CHAIN,3/8HT
4	SPCLV1549	2	CLEVIS,1549
3	BURN\11000056	1	ASSIT,BRAKING,LG
2	RP\100543	1	CHA516PC,60
1	RP\100027	4	DRAG,STAR
ITEM	PART NO.	QTY.	DESCRIPTION

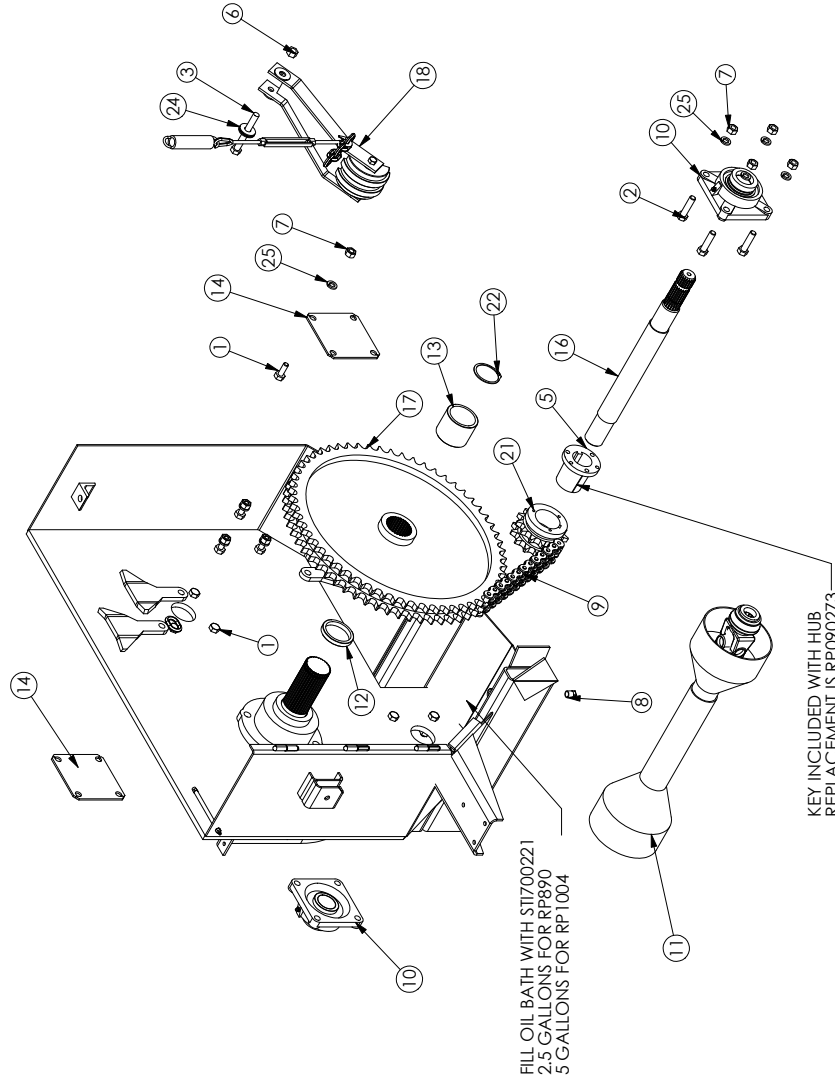
37

RP300224 DRIVE ASSEMBLY 540RPM, 80HP



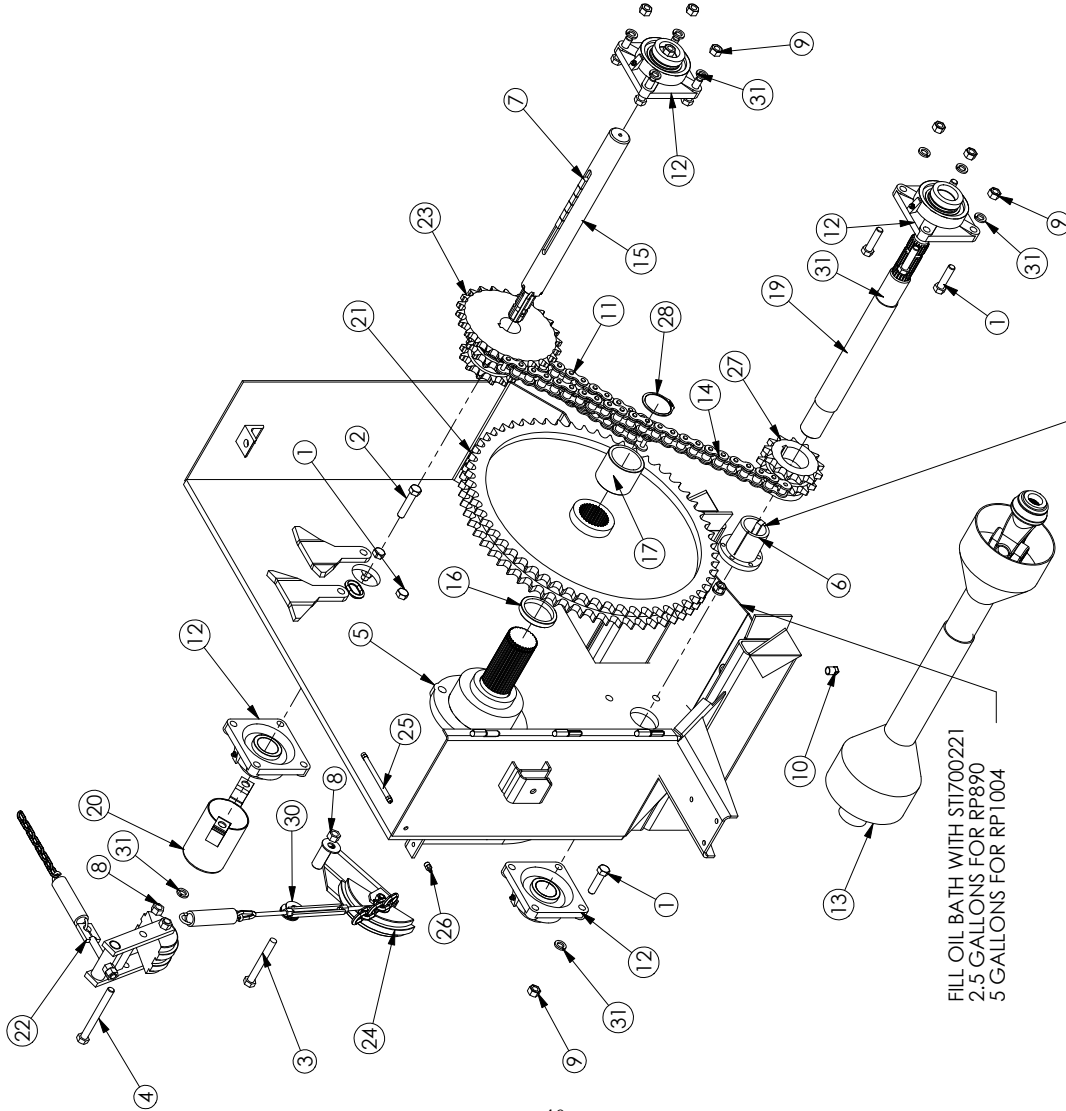
ITEM #	QTY	PART #	DESCRIPTION
1	14	BLT58X212NC	BLT58X212NC
2	2	BLT58X3NC	BLT.HEX.5/8.3.NC.G5
3	1	BLT58X5NC	BLT.HEX.5/8.5.NC.G5
4	1	BLT58X6NC	BLT.HEX.5/8.6.NF.G8
5	1	BRGFB22448H	BRG.FLG.4BLT.3
6	1	HUBG22316	HUB.Q2.2.188
7	6	KEY12X12.5.5	KEY12X12.5.5
8	2	NUT58LOCKNC	NUT.LOCK.5/8.NC.G5
9	16	NUT58NC	NUT.HEX.5/8.NC.G5
10	1	PFBR12PLUG	PLUG.1/2.BRS
11	1	RP090271	CHAIN,ROLLER,100-2.70P.W/CONN
12	4	RP090277	BRG.FLG.4BLT.2.PAINTED
13	1	RP090349	PTO.540.WEASLER.44R.40.38
14	1	RP100413	SHAFT.JACK.2.23.12
15	1	RP100432	SPACER.RND.3.5.2.88.5
16	1	RP100434	SPACER.RND.3.5.2.88.2.88
17	3	RP100455	SPACER.RND.2.5.2.14GA
18	1	RP100531	RCH100H.77.5.62P
19	1	RP100735	SHAFT.INPUT.2.19.24.38
20	1	RP200005	COVER.SHAFT.JACK.ASSY
21	1	RP200199	SPK.100.C.60.WLD
22	1	RP200205	SPK.100.B.13.100.B.20.WLD
23	1	RP200219	ROLLER.DBL.DRIVE.TOP.ASSY
24	1	RP200310	TIGHTNR.CHAIN.RP.BOT.ASSY
25	1	SPGH24	HOSE.GRS.24.1/8NP
26	1	SPGZRK618	ZRK.GREASE.1/8.FEM.PIPE.STR
27	1	SPKD100Q13	SPK.100.2.Q.13
28	1	SPOSRCG234	RING.SNAP.OUTSIDE.2.75
29	0	STI700221	OIL.HYD.46
30	5	WSH58FLAT	WSH.FLAT.5/8
31	16	WSH58LOCK	WSH.LOCK.5/8

RP300223 DRIVE ASSEMBLY 540RPM, 1.38



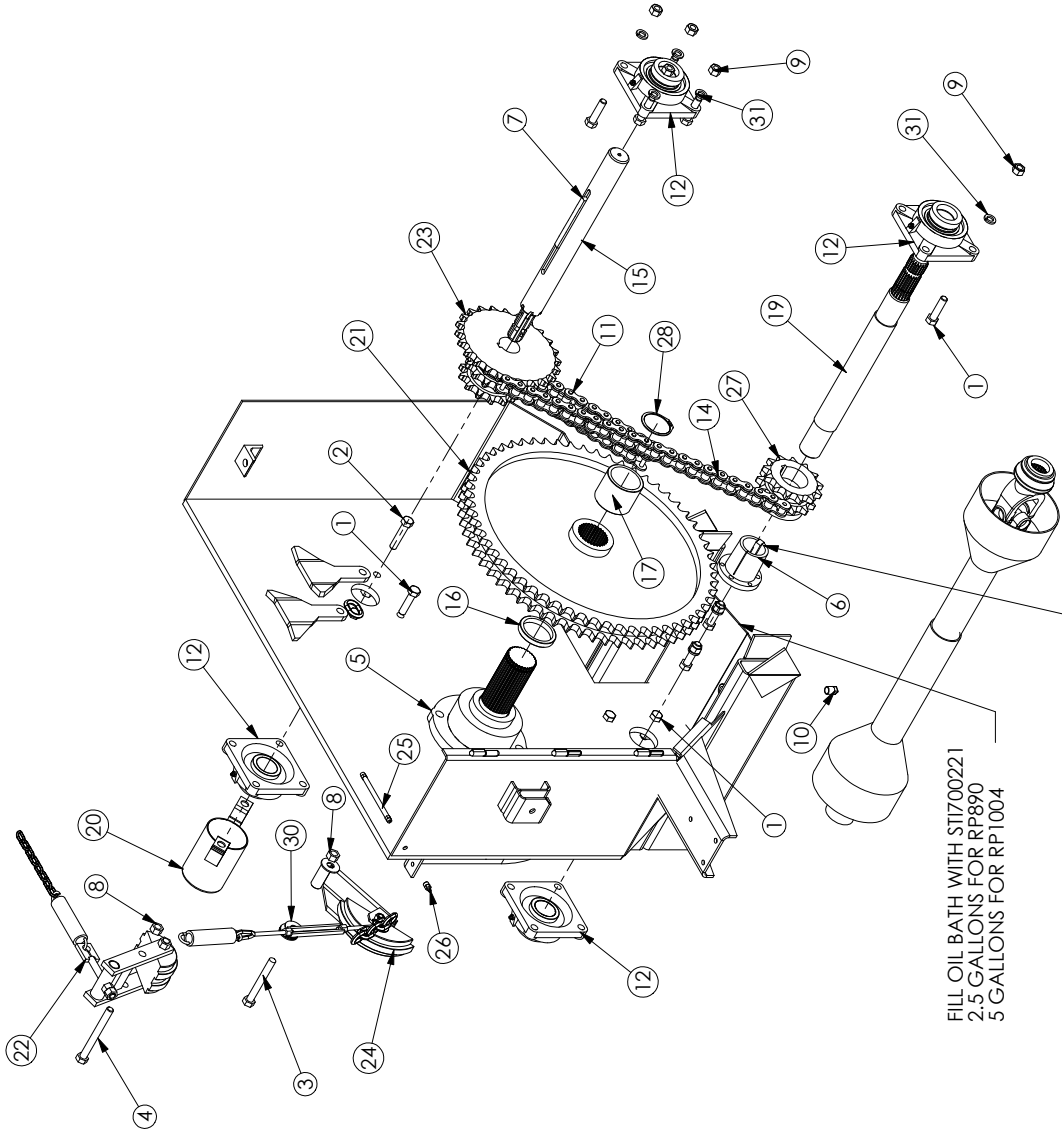
ITEM #	QTY	PART #	DESCRIPTION
1	8	BLT58X112NC	BLT,HEX,5/8,1-1/2,NC,G5
2	8	BLT58X212NC	BLT58X212NC
3	1	BLT58X5NC	BLT,HEX,5/8,5,NC,G5
4	1	BRG,FB,22448H	BRG,FLG,4BLT,3
5	1	HUB,Q,2,188	HUB,Q,2,188
6	1	NUT,58L,LOCKNC	NUT,LOCK,5/8,NC,G5
7	16	NUT58NC	NUT,HEX,5/8,NC,G5
8	1	PFBR12PLUG	PLUG,1/2,BRS
9	1	RP090271	CHAIN,ROLLER,100-2.70P,W/CONN
10	2	RP090277	BRG,FLG,4BLT,2,PAINTED
11	1	RP090349	PTO,540,WEASLER,44R,40.38
12	1	RP100432	SPACER,RND,3.5,2.88,.5
13	1	RP100434	SPACER,RND,3.5,2.88,2.88
14	2	RP100439	COVER,BRG,FLG,2
15	3	RP100455	SPACER,RND,2.5,2.14GA
16	1	RP100735	SHAFT,INPUT,2.19,24.38
17	1	RP200199	SPK,100,C,60,WLD
18	1	RP200312	TIGHTNR,CHAIN,RP,540,ASSY
19	1	SPGH24	HOSE,GRS,24,1/8NP
20	1	SPGZRK618	ZRK,GREASE,1/8,FEM,PIPE,STR
21	1	SPKD100Q13	SPK,100-2,Q,13
22	1	SPOSRC234	RING,SNAP,OUTSIDE,2.75
23	0	STI700221	OIL,HYD 46
24	5	WSH58FLAT	WSH,FLAT,5/8
25	16	WSH58LOCK	WSH,LOCK,5/8

RP300221 DRIVE ASSEMBLY 1000RPM, 1.38



ITEM #	QTY	PART #	DESCRIPTION
1	14	BLT58X212NC	BLT58X212NC
2	2	BLT58X3NC	BLT,HEX,5/8,3,NC,G5
3	1	BLT58X5NC	BLT,HEX,5/8,5,NC,G5
4	1	BLT58X6NC	BLT,HEX,5/8,6,NF,G8
5	1	BRGFB22448H	BRG,FLG,4BLT,3
6	1	HUBQ22316	HUB,Q2,2,188
7	6	KEY12X12...5	KEY12X12...5
8	2	NUT58LOCNC	NUT,HEX,5/8,NC,G5
9	16	NUT58NC	NUT,HEX,5/8,NC,G5
10	1	PFBR12PLUG	PLUG,1/2,BRS
11	1	RP090271	CHAIN,ROLLER,100-2,70P,W/CONN
12	4	RP090277	BRG,FLG,4BLT,2,PAINTED
13	1	RP090350	PTO,1000,WEASLER,44R,40,38
14	1	RP090360	CHAIN,ROLLER,100-H,64P,INCLCON
15	1	RP100413	SHAFT,JACK,2,23,12
16	1	RP100432	SPACER,RND,3,5,2,88,5
17	1	RP100434	SPACER,RND,3,5,2,88,2,88
18	3	RP100455	SPACER,RND,2,5,2,14GA
19	1	RP100735	SHAFT,INPUT,2,19,24,38
20	1	RP200005	COVER,SHAFT,JACK,ASSY
21	1	RP200199	SPK,100,C,60,WLD
22	1	RP200219	ROLLER,DBL,DRIVE,TOP,ASSY
23	1	RP200309	SPK,100,B,13,100,B,24,WLD
24	1	RP200310	TIGHTNR,C,CHAIN,RP,BOT,ASSY
25	1	SPGH24	HOSE,GRS,24,1/8NP
26	1	SPGRK618	ZRK,GREASE,1/8,FEM,PIPE,STR
27	1	SPKD100Q13	SPK,100-2,Q,13
28	1	SPOSRC234	RING,SNAP,OUTSIDE,2,75
29	0	STI700221	OIL,HYD,46
30	5	WSH58FLAT	WSH,FLAT,5/8
31	16	WSH58LOCK	WSH,LOCK,5/8

RP300222 DRIVE ASSEMBLY 1000RPM, 1.75

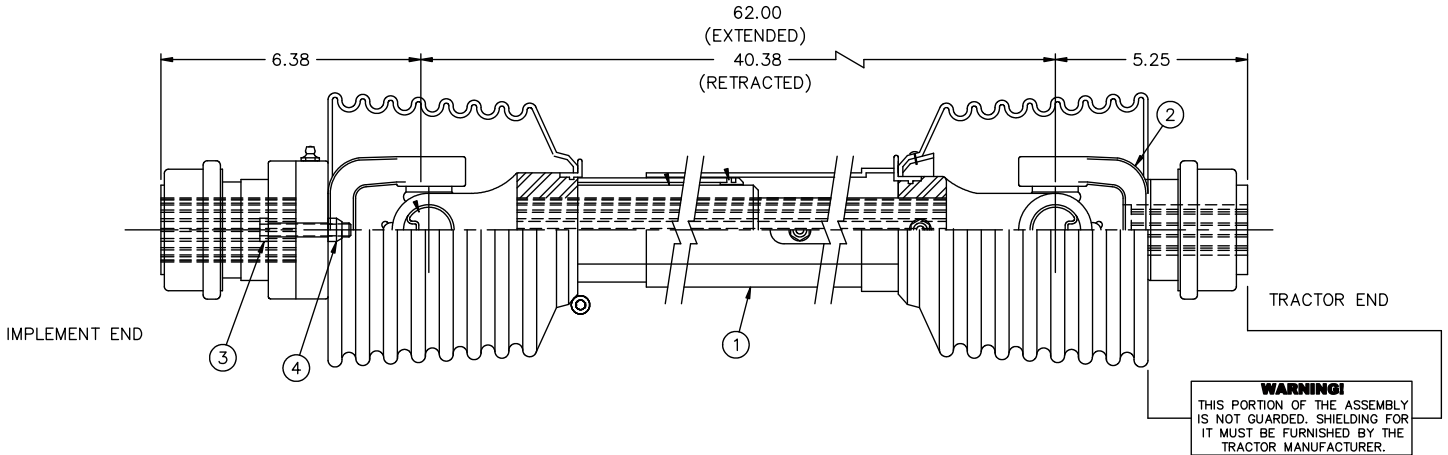


FILL OIL BATH WITH STI700221
2.5 GALLONS FOR RP890
5 GALLONS FOR RP1004

KEY INCLUDED WITH HUB
REPLACEMENT IS RP090273

ITEM #	QTY	PART #	DESCRIPTION
1	14	BLT58X212NC	BLT58X212NC
2	2	BLT58X3NC	BLT,HEX,5/8,3,NC,G5
3	1	BLT58X5NC	BLT,HEX,5/8,5,NC,G5
4	1	BLT58X6NC	BLT,HEX,5/8,6,NF,G8
5	1	BRGFB22448H	BRG,FLG,4BLT,3
6	1	HUBQ22316	HUB,Q2,2,188
7	6	KEY12X12	KEY12X12,.5,.5
8	2	NUT58LOCKNC	NUT,LOCK,5/8,NC,G5
9	16	NUT58NC	NUT,HEX,5/8,NC,G5
10	1	PFBR12PLUG	PLUG,1/2,BRS
11	1	RP090271	CHAIN,ROLLER,100-2,70P,W/CONN
12	4	RP090277	BRG,FLG,4BLT,2,PAINTED
13	1	RP090351	PTO,1000,WEASLER,44R,40,38,1,75
14	1	RP090360	CHAIN,ROLLER,100-H,64P,INCLCON
15	1	RP100413	SHAFT,JACK,2,23,12
16	1	RP100432	SPACER,RND,3.5,2,88,.5
17	1	RP100434	SPACER,RND,3.5,2,88,2,88
18	3	RP100455	SPACER,RND,2.5,2,14GA
19	1	RP100735	SHAFT,INPUT,2,19,24,38
20	1	RP200005	COVER,SHAFT,JACK,ASSY
21	1	RP200199	SPK,100,C,60,WLD
22	1	RP200219	ROLLER,DBL,DRIVE,TOP,ASSY
23	1	RP200309	SPK,100,B,13,100,B,24,WLD
24	1	RP200310	TIGHTNR,CHAIN,RP,BOT,ASSY
25	1	SPGH24	HOSE,GRS,24,1/8NP
26	1	SPGZRRK618	ZRK,GREASE,1/8,FEM,PIPE,STR
27	1	SPKD100Q13	SPK,100-2,Q,13
28	1	SPOSRG234	RING,SNAP,OUTSIDE,2,75
29	0	STI700221	OIL,HYD,46
30	5	WSH58FLAT	WSH,FLAT,5/8
31	16	WSH58LOCK	WSH,LOCK,5/8

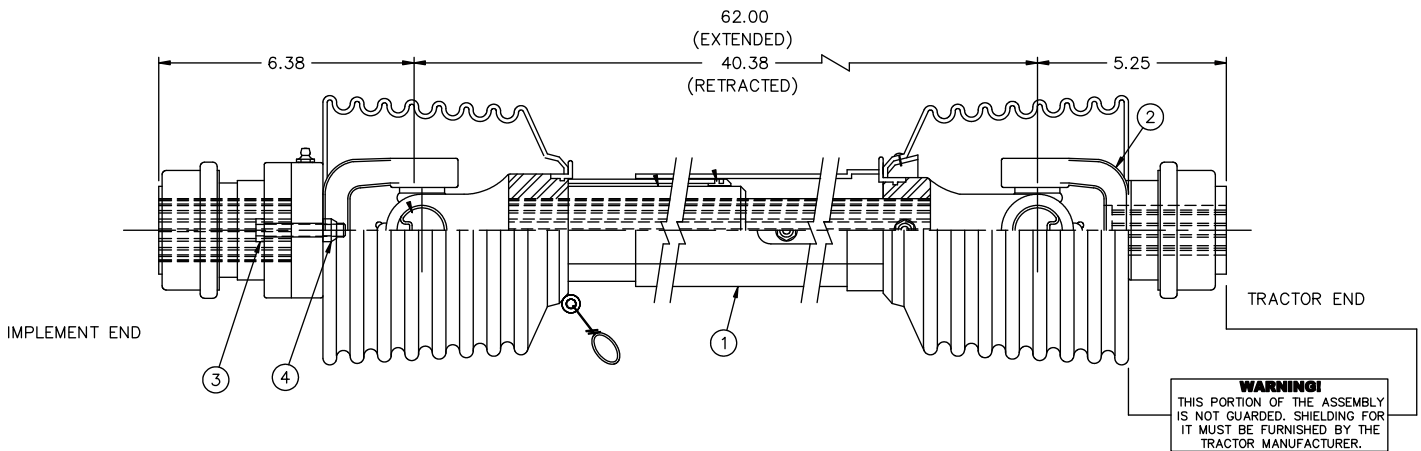
540 RPM PTO, 44R, 40.38



4	NUT38LOCKNC	2	NUT,LOCK,PUNCH,3/8,NC,G5
3	BLT38X1NC	2	BLT,HEX,3/8,1,NC,G5
2	PTO1014406	1	YOKE,1.38-6SPLINE,CROSS,1.31
1	RP090347	1	PTO,ASSY,WEASLER,44R,62
ITEM	PART NO.	QTY.	DESCRIPTION

WARNING!
ALWAYS STOP ROTO-PRESS AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

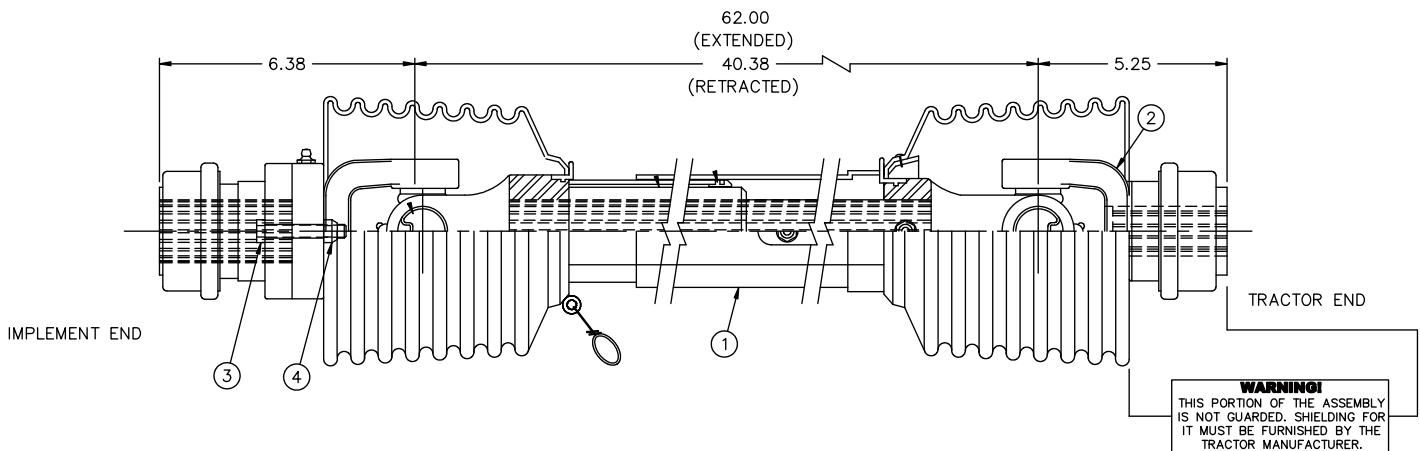
1000 RPM PTO, 44R, 40.38



4	NUT38LOCKNC	1	NUT,LOCK,PUNCH,3/8,NC,G5
3	BLT38X1NC	1	BLT,HEX,3/8,1,NC,G5
2	PTO1014421	1	YOKE,1.38-21SPLINE,CROSS,1.31
1	RP090347	1	PTO,ASSY,WEASLER,44R,62
ITEM	PART NO.	QTY.	DESCRIPTION

WARNING!
ALWAYS STOP ROTO-PRESS AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

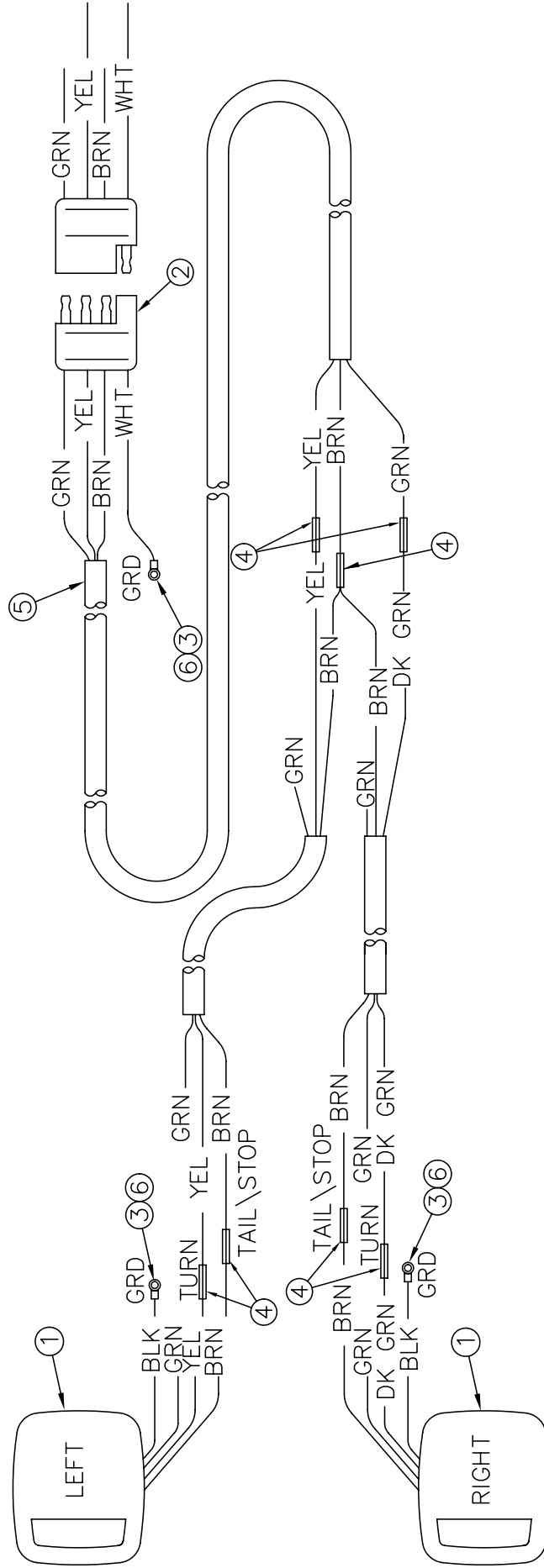
1000 RPM PTO, 44R, 40.38, 1.75



4	NUT38LOCKNC	1	NUT,LOCK,PUNCH,3/8,NC,G5
3	BLT38X1NC	1	BLT,HEX,3/8,1,NC,G5
2	PTO1014420	1	YOKE,1.75-20SPLINE,CROSS,1.31
1	RP090347	1	PTO,ASSY,WEASLER,44R,62
ITEM	PART NO.	QTY.	DESCRIPTION

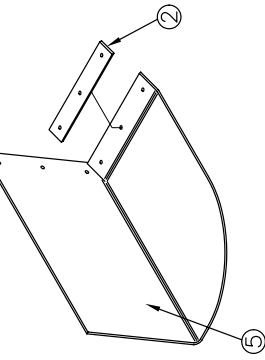
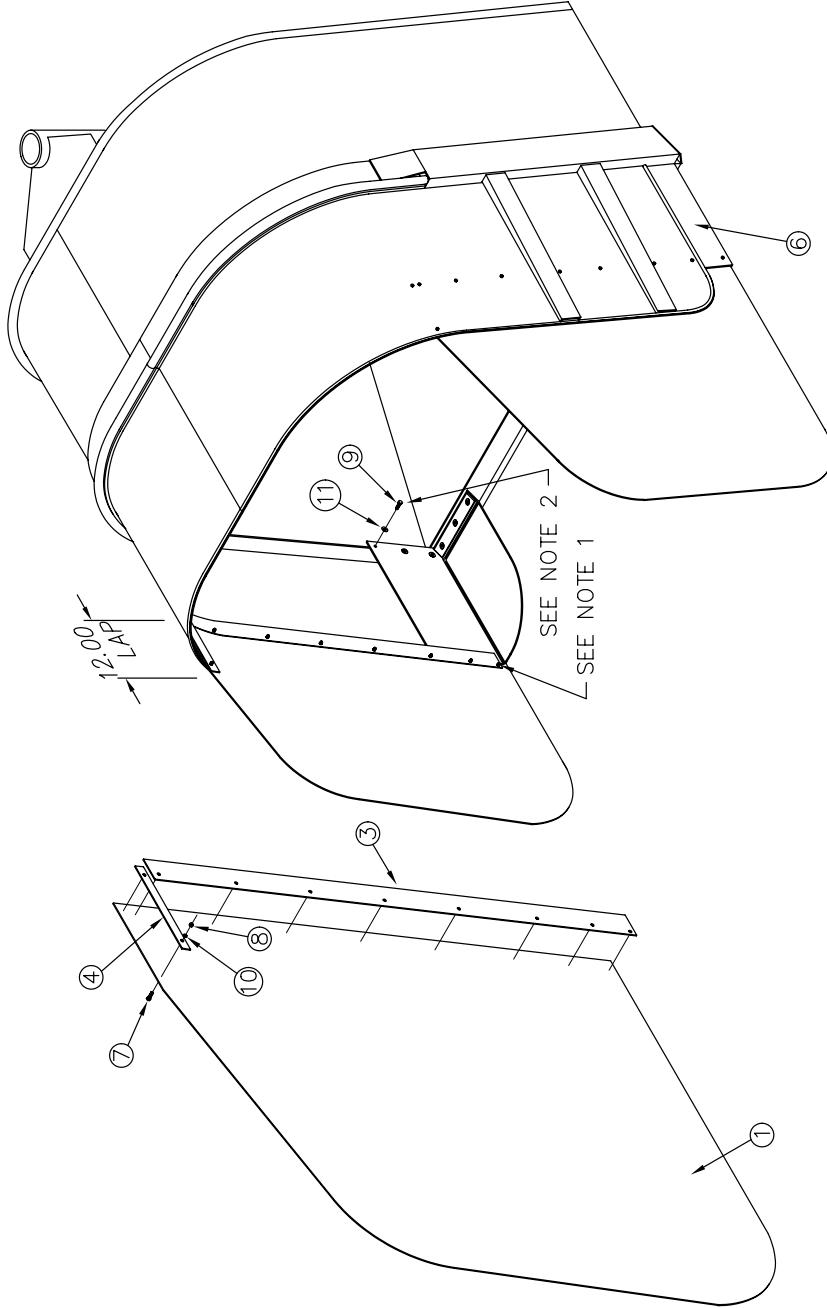
WARNING!
ALWAYS STOP ROTO-PRESS AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

LIGHT WIRING KIT



ITEM	PART NO.	QTY.	DESCRIPTION
7	STI\700347	1	LOOM, WIRE, .38 (144" LONG)
6	SP14X1TS	3	SCREW, HEX, 1/4, 1, DRLLNG
5	STI\700347	1	LOOM, WIRE, .38 (144" LONG)
4	JES31960	7	CONN, BUTT, BLUE, 16/14, SEALED
3	JES452145	3	TRMNL, RING, BLUE, .25
2	RP\090323	1	HARNSS, WIRE, 240
1	RP\090322	2	LIGHT, CMBNTN, UNVRSL

8' & 9' SHELL CORN KIT

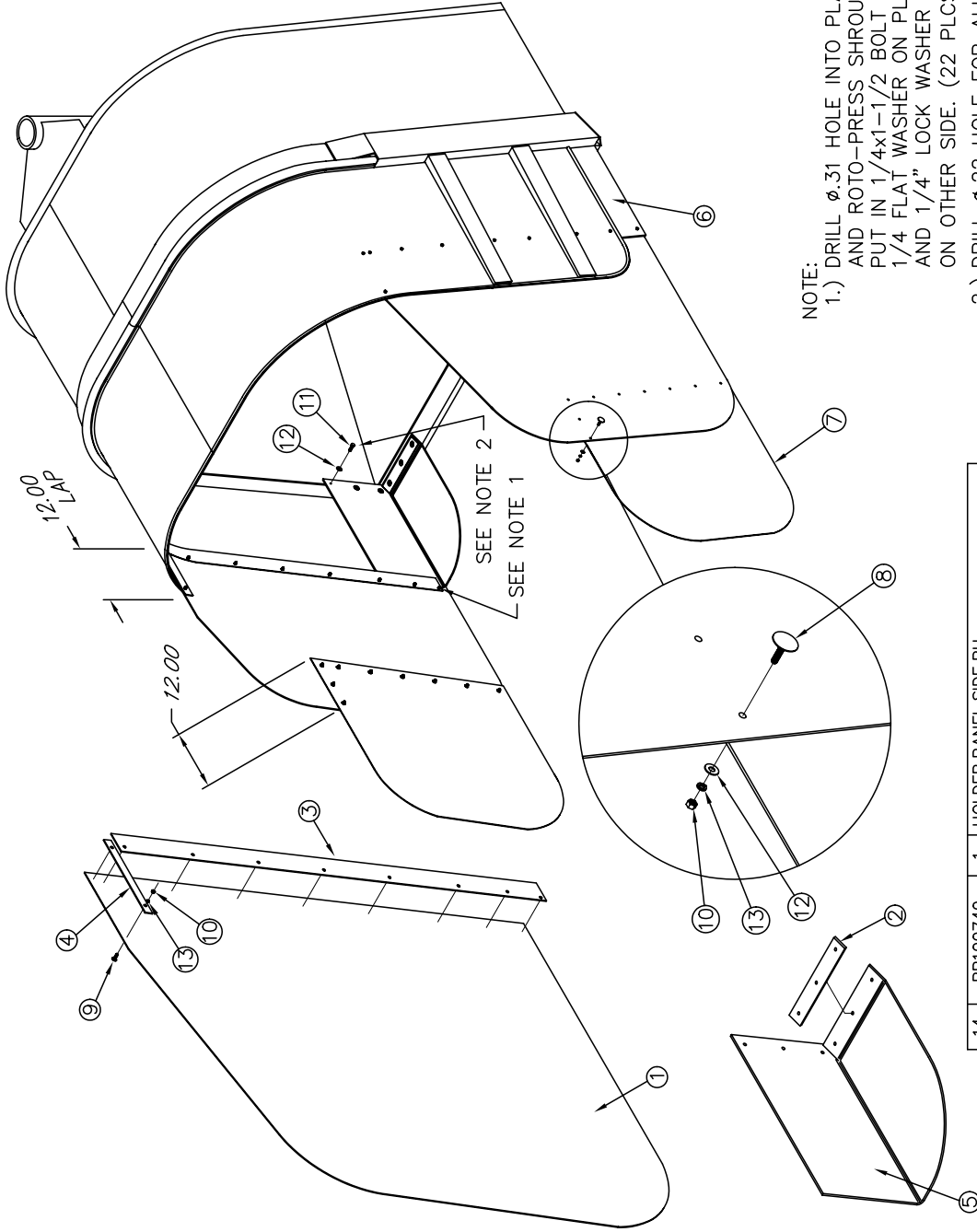


NOTE:

- 1.) AND ROTO-PRESS SHROUD AND PUT IN 1/4x1-1/2 BOLT NC AND 1/4 FLAT WASHER ON PLASTIC SIDE AND 1/4" LOCK WASHER AND NUT ON OTHER SIDE. (22 PLCS.)
- 2.) DRILL ϕ .22 HOLE FOR ALL SELF TAPPING BOLTS. (12 PLCS.)

12	RP\100740	1	HOLDER,PANEL,SIDE,RH
11	WSH14LOCK	20	WSH,LOCK,1/4
10	WSH14FLAT	12	WSH,FLAT,1/4
9	SP14X1TS	12	SCREW,HEX,1/4,1,DRLLNG
8	NUT14NC	20	NUT,HEX,1/4,NC,G5
7	BLT14X114NC	20	BLT,HEX,1/4,1-1/4,NC,G5
6	RP\100526	1	PANEL,CORN,RH,BOT
5	RP\100525	1	PANEL,CORN,LH,BOT
4	RP\100317	2	HOLDER,PANEL,TOP
3	RP\100316	1	HOLDER,PANEL,SIDE,LH
2	RP\100315	1	HOLDER,PANEL,BOT
1	RP\100313	2	PANEL,CORN,SIDE,48,60
ITEM	PART NO.	QTY.	DESCRIPTION

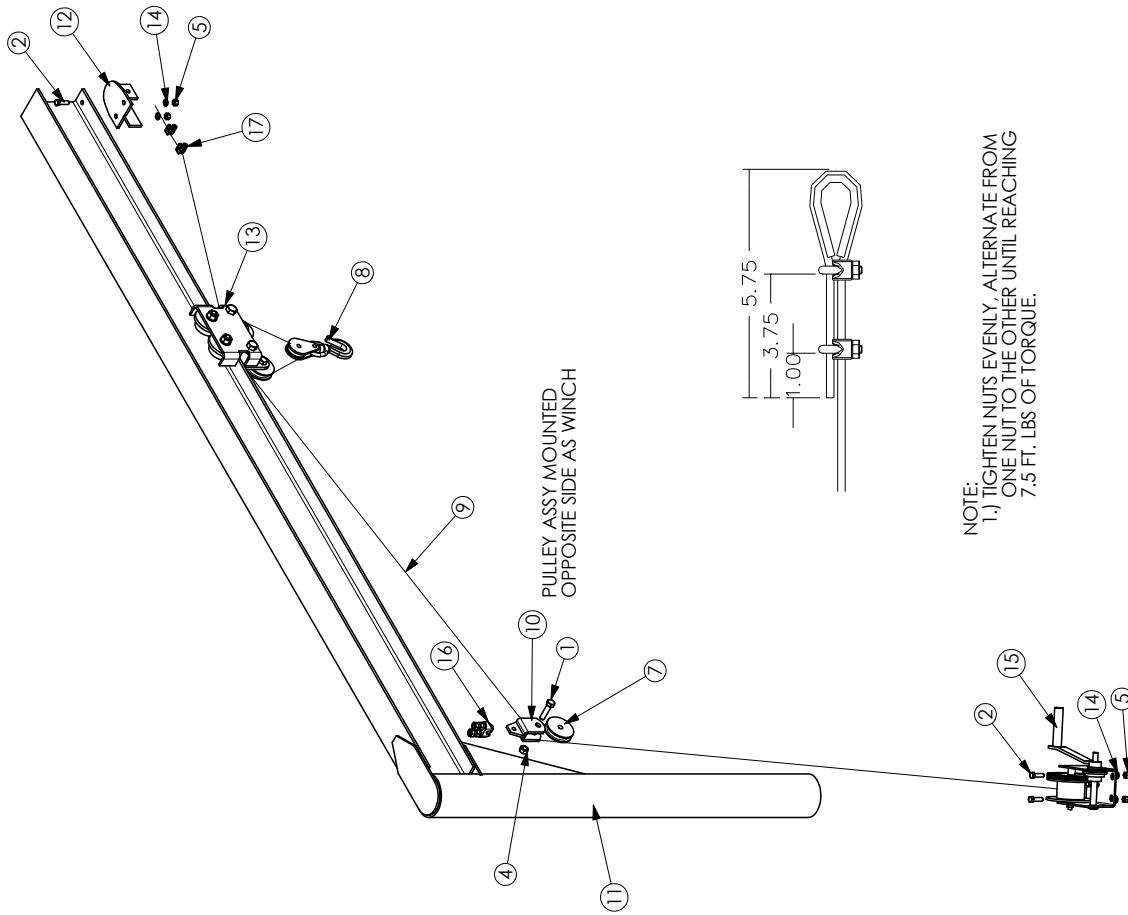
804 & 904 5' SHELL CORN KIT



- NOTE:**
- 1.) DRILL $\phi.31$ HOLE INTO PLASTIC AND ROTO-PRESS SHROUD AND PUT IN $1/4 \times 1-1/2$ BOLT AND $1/4$ FLAT WASHER ON PLASTIC SIDE AND $1/4$ " LOCK WASHER AND NUT ON OTHER SIDE. (22 PLCS.)
 - 2.) DRILL $\phi.22$ HOLE FOR ALL SELF TAPPING BOLTS. (12 PLCS.)
 - 3.) MATCH DRILL $\phi.31$ HOLE INTO PLASTIC, PUT IN $1/4 \times 1-1/2$ ELEVATOR BOLT, $1/4$ " FLAT & LOCK WASHER AND NUT AS SHOWN. (18 PLCS.)

ITEM	PART NO.	QTY.	DESCRIPTION
14	RP100740	1	HOLDER,PANEL,SIDE,RH
13	WSH14LOCK	38	WSH,LOCK,1/4
12	WSH14FLAT	30	WSH,FLAT,1/4
11	SP14X1TS	12	SCREW,HEX,1/4,1,DRILLING
10	NUT14NC	38	NUT,HEX,1/4,NC,G5
9	BLT14X120NC	20	BLT,TRUSS,SLOT,1/4,1-1/2,NC,G2
8	BLT14X112EL	18	BLT,ELEV,1/4,1-1/2
7	RP100527	2	PANEL,CORN,SIDE,36,36
6	RP100526	1	PANEL,CORN,RH,BOT
5	RP100525	1	PANEL,CORN,LH,BOT
4	RP100317	2	HOLDER,PANEL,TOP
3	RP100316	1	HOLDER,PANEL,SIDE,LH
2	RP100315	2	HOLDER,PANEL,BOT
1	RP100313	2	PANEL,CORN,SIDE,48,60

BAG LIFT BOOM KIT



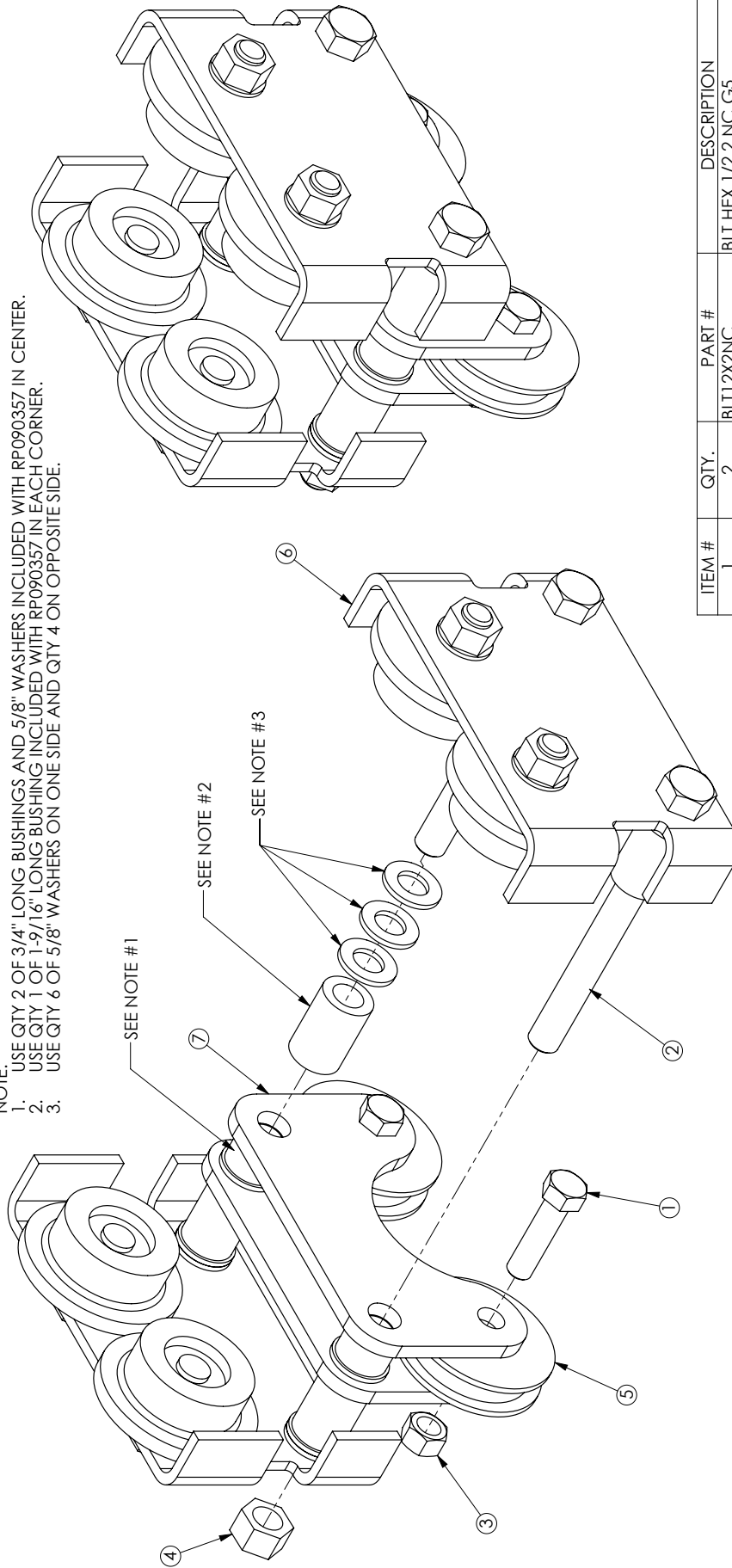
NOTE:
 1.) TIGHTEN NUTS EVENLY. ALTERNATE FROM ONE NUT TO THE OTHER UNTIL REACHING 7.5 FT. LBS OF TORQUE.

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	BLT12X2NC	BLT,HEX,1/2,2,NC,G5
2	5	BLT38X114NC	BLT,HEX,3/8,1-1/4,NC,G5
3	1	CAB316THIMBLE	THIMBLE,CABLE,.19
4	1	NUT12LOCKNC	NUT,LOCK,1/2,NC,G5
5	5	NUT38NC	NUT,HEX,3/8,NC,G5
6	2	NUT716NC	NUT,HEX,7/16,NC,G5
7	1	RP090222	PUL,CABLE,3,.5
8	1	RP090279	BLOCK,PUL,HOOK,ASSY
9	1	RP110267	CAB316,3,48
10	1	RP200147	BRKT,PUL,WLD
11	1	RP200203	BOOM,BAG,PUL,DBL,WLD
12	1	RP200204	STOP,TROLLEY,WLD
13	1	RP300166	TROLLEY,PUL,DBL,ASSY
14	5	WSH38LOCK	WSH,LOCK,3/8
15	1	SPDLB1000	WINCH,1200#,W/DISCBRAKE
16	1	SPCABCLP12	CLAMP,CABLE,1/2
17	2	SPCABCLP316	CLAMP,CABLE,3/16

DOUBLE PULLEY TROLLEY ASSEMBLY

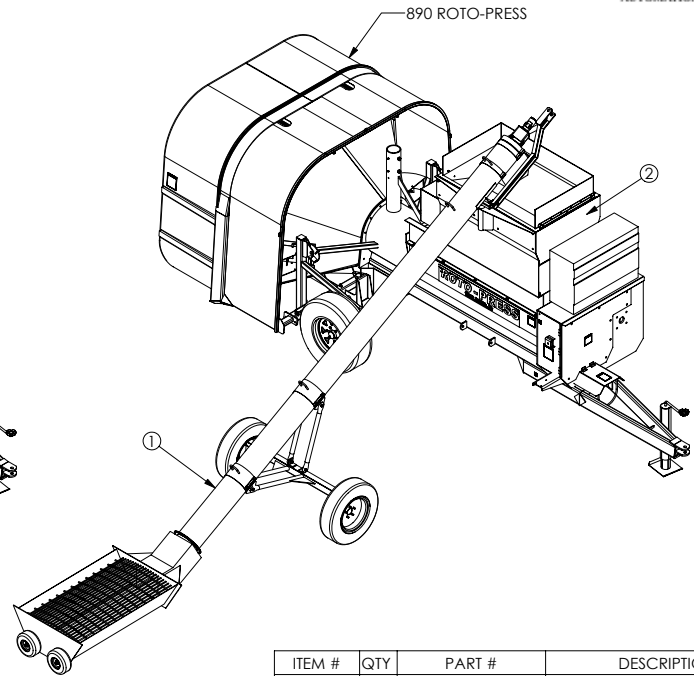
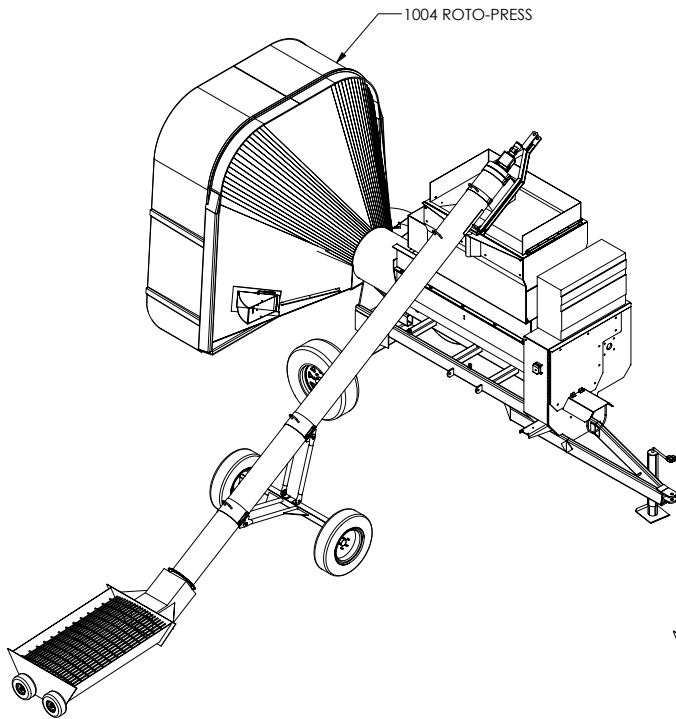


NOTE:
 1. USE QTY 2 OF 3/4" LONG BUSHINGS AND 5/8" WASHERS INCLUDED WITH RP090357 IN CENTER.
 2. USE QTY 1 OF 1-9/16" LONG BUSHING INCLUDED WITH RP090357 IN EACH CORNER.
 3. USE QTY 6 OF 5/8" WASHERS ON ONE SIDE AND QTY 4 ON OPPOSITE SIDE.

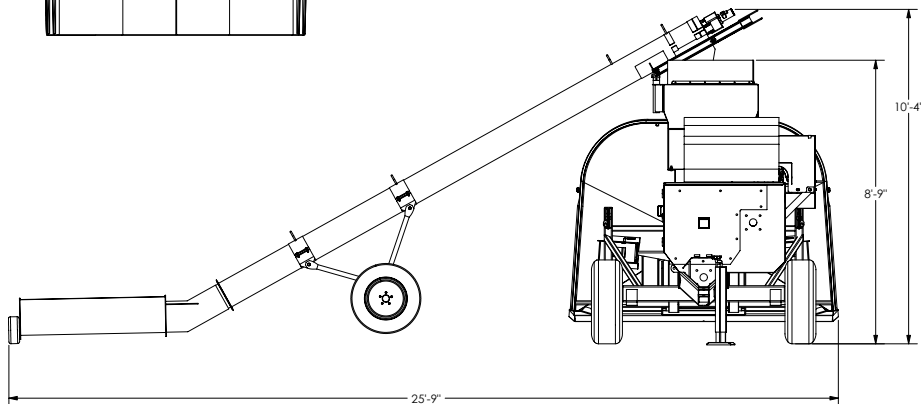
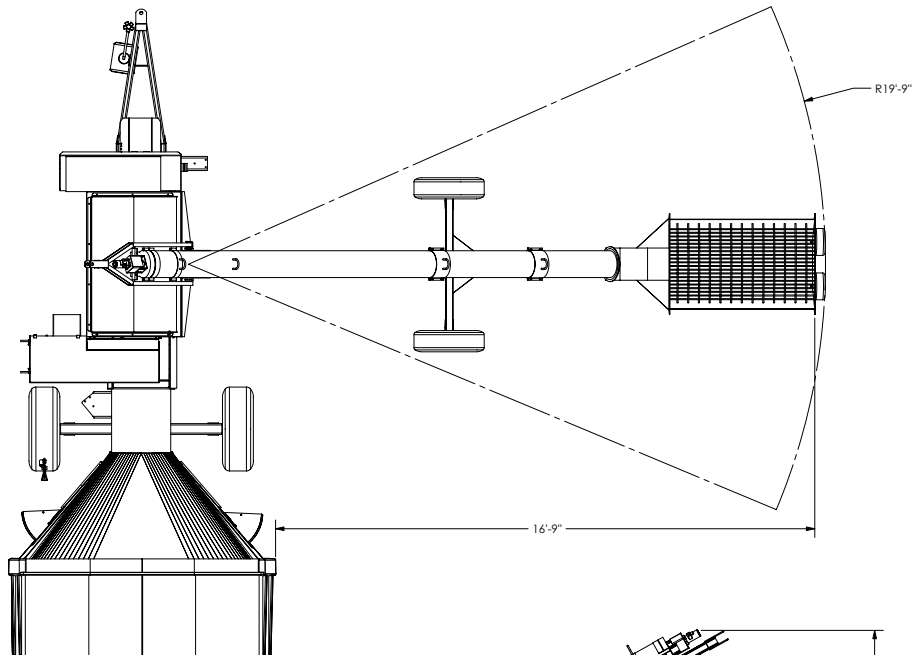


ITEM #	QTY.	PART #	DESCRIPTION
1	2	BLT12X2NC	BLT,HEX,1/2,2,NC,G5
2	2	BLT58X612NC	BLT,HEX,5/8,6-1/2,NC,G5
3	2	NUT12LOCKNC	NUT,LOCK,1/2,NC,G5
4	2	NUT58LOCKNC	NUT,LOCK,5/8,NC,G5
5	2	RP090222	PUL,CABLE,3,,5
6	1	RP090357	TROLLEY,1000,BALL,BRG
7	2	RP110298	MOUNT,PULLEY,.31,4,6,75

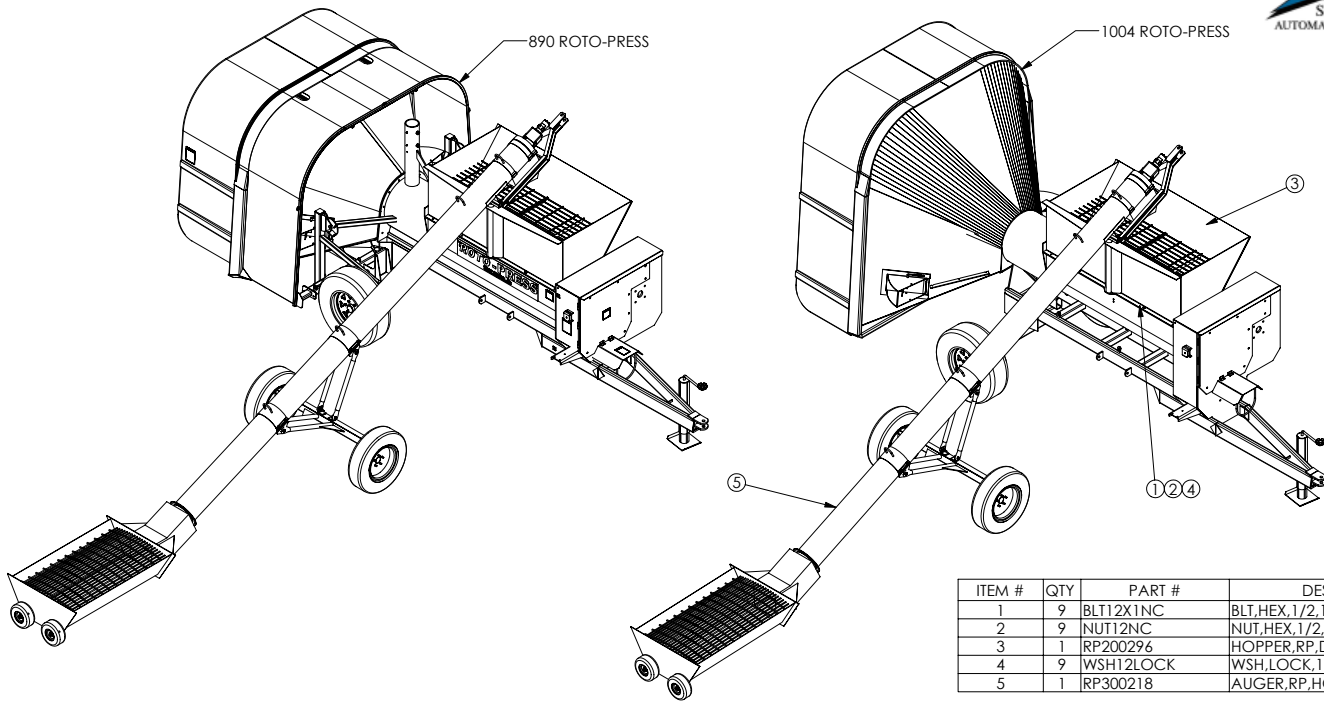
OPTIONAL ROLLER MILL AND AUGER



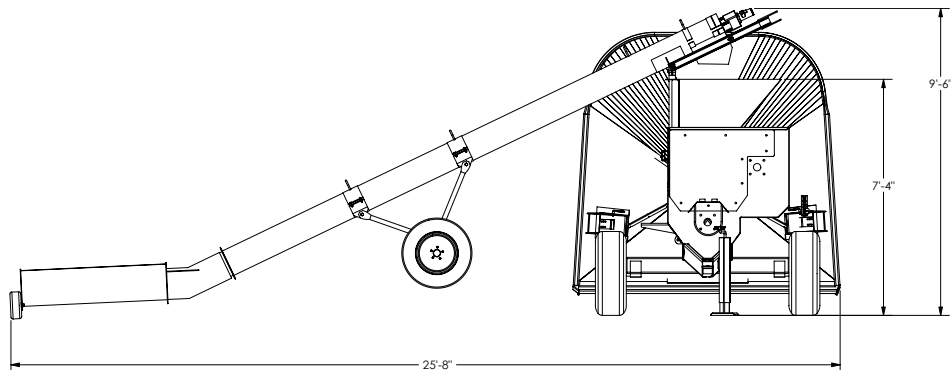
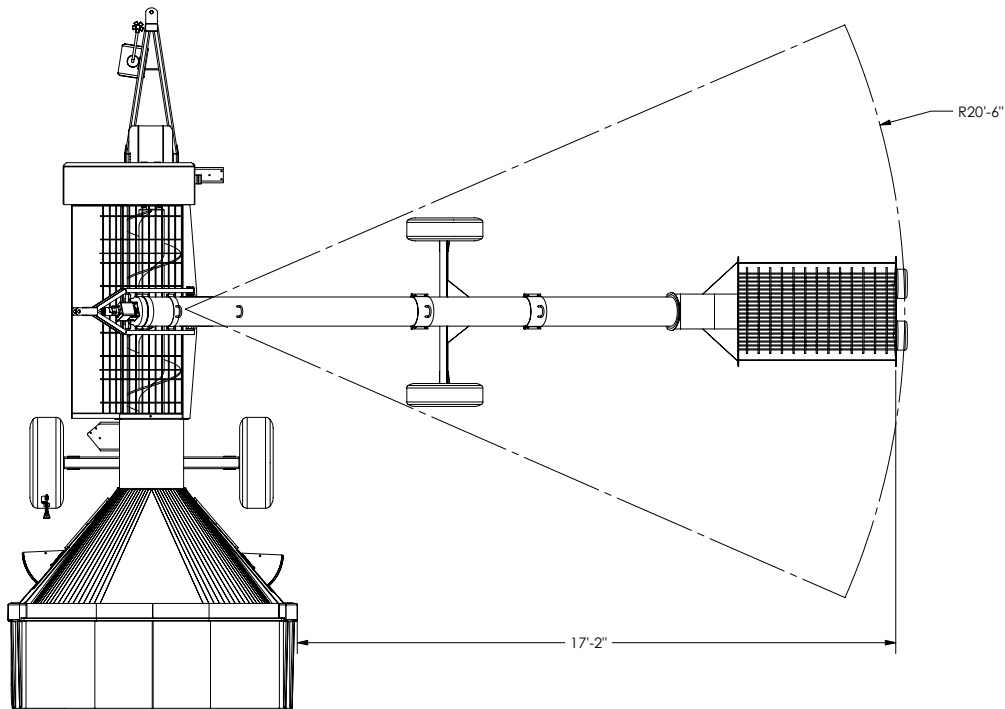
ITEM #	QTY	PART #	DESCRIPTION
1	1	RP300217	AUGER,RP,MILL,ASSY
2	1	RM190058	MILL,GRAIN,ASSY,11IN,RISER



OPTIONAL HOPPER AND AUGER



ITEM #	QTY	PART #	DESCRIPTION
1	9	BLT12X1NC	BLT.HEX.1/2.1.NC.G5
2	9	NUT12NC	NUT.HEX.1/2.NC.G5
3	1	RP200296	HOPPER.RP.DUMP GRAIN
4	9	WSH12LOCK	WSH.LOCK.1/2
5	1	RP300218	AUGER.RP.HOPPER.ASSY





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