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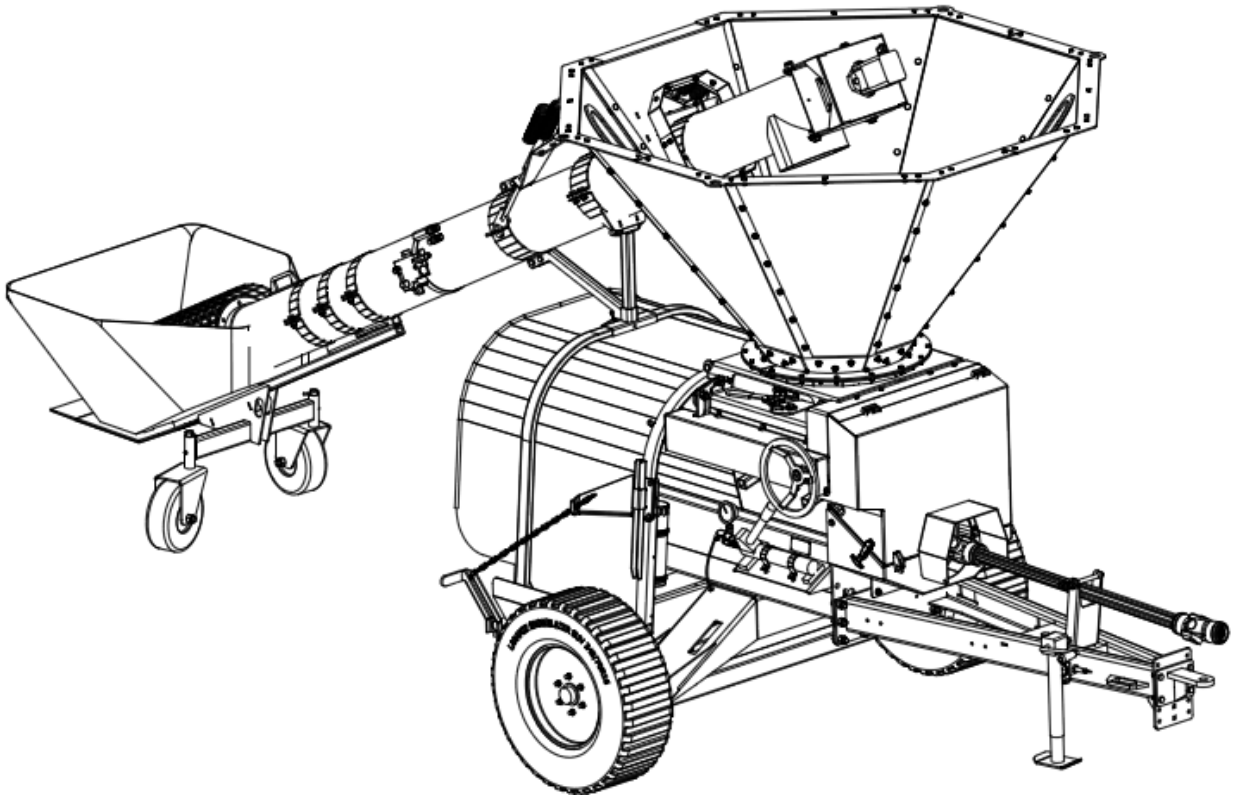
ANDERSON

The NutriWrap™ System

Grain Bagger
GB-5 GB-6



Operator's Manual
2012

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HOW TO REACH US

When you contact us, always provide us with the following information:

- Product model and serial number;
- Our name, our address, and our phone number;
- Purchase date and invoice number;
- Dealer name, address, and telephone number and salesperson name;
- Precise and detailed description of your problem.

Our service department can be reached at:

Address :	**ANDERSON GROUP** 5125, rue de la Plaisance Chesterville (Québec) CANADA G0P 1J0
Phone :	1-819-382-2952
Fax :	1-819-382-2218
Email :	service@grpanderson.com
Website :	www.grpanderson.com

Before you start

Before you start your Anderson grain bagger we strongly recommend that you:

- Read and understand the information in this manual;
- Follow all security measures in this manual;
- Follow the starting procedure in this manual.

NOTE :	This manual contains important information concerning the proper use of your Anderson machine. Please give this manual to the new owner if it is sold or transferred.

Group Anderson Limited Warranty

The one-year warranty period will begin on the date that the new equipment is sold to the customer. In the year following the purchase of a new machine, if your ANDERSON equipment fails to operate properly due to defective materials, manufacturing, or assembly, our company will furnish replacement parts and repair your machine free of charge.

- Keep your original invoice or a photocopy. Please refer to your invoice or to the information on the preceding page whenever you order parts, for any questions about the operating procedures of your machine or for any questions you might have concerning your warranty.
- Replacement or repair of equipment parts will be performed by the dealer or by our technician. This includes parts and labor only if preauthorized by our customer service department.
- However, the customer will be responsible for transporting the equipment to/from the authorized dealer's head office.
- The dealer will describe the terms of this warranty to the customer before the retail sale and will record the date of purchase, the serial number, and the equipment description.
- To have equipment repaired under the warranty; the customer must advise his dealer as soon as possible of the problem and request that the repairs be made according to the terms of the applicable warranty.
- Given that our desire is to always improve our products, our company reserves the right to modify its machines, their characteristics, and their parts at any time without advance notice or obligation.

- In no event will Anderson Group be liable for any incidental or consequential damages or injuries, including but not limited to loss of profits, rental of substitute equipment, or other commercial or personal loss or damages arising as a result of a fundamental breach or breach of a fundamental term.
- Except for conditions or warranties which may not be excluded by law, the selling dealer makes no warranty of its own on any item warranted by Anderson Group unless it delivers to the purchaser a separate written warranty document specifically warranting the item. The selling dealer has no authority to make any representation or promise on behalf of Anderson Group or to modify the terms or limitations of this warranty in any way.

Notwithstanding the foregoing.

Warranty Policies, Procedures, & Provisions Summary

Purpose of Warranty

The fundamental responsibility of warranty is to correct defects in material and workmanship of the products sold by Group Anderson Inc. (hereafter called ''Anderson''). This outline is intended to assist you in awareness of Anderson's Warranty Policies and to assure that you obtain the best service possible for your Anderson machine.

- Warranty is limited to 1-year (12months). This specified period begins on the date that the new equipment is sold to the customer.
- Warranty is non-transferable in the event of resale unless the resale is through an Anderson authorized dealer.
- No warranty is extended to regular service items such as fluids, paint, tires.
- Certain parts, such as the Honda engine and battery are covered under warranties from their respective manufacturers. Details on these warranties can be obtained from your dealer.

How to process Warranty:

- Anderson must be informed before handling any repair or maintenance covered by the warranty.
- Fill out and submit a Warranty Request Form to your authorized Anderson dealer. Be sure the form is complete. (ex. has serial number, list of defects, etc.)
- If the unit to receive warranty service is a dealer stock unit, contact Anderson as soon as the defect has been identified.
- Photos may be requested by Anderson to process / determine the cause of the defect. The use of photos attached to the warranty request form will help identify the condition of the part being repaired or replaced, and thus assisting in the approval of the claim.
- The warranty work must be completed within 30 days of the reported failure, and the claim must be sent to Anderson with the appropriate documentation (ex. Photos, list of parts needed for the repair, invoices from contracted work etc.)

Warranty Exemptions:

- Your warranty may be voided if Anderson determines that the equipment has been subjected to bad treatment or negligence, has been used inappropriately, has not received necessary maintenance, not been appropriately protected during storage, damaged by vandalism, bad weather, natural elements, collision, or an accident.
- Our warranty is void if your equipment has been modified in any way without our express authorization.
- The warranty does not cover towing expenses or service calls.

Anderson's Responsibilities

- Reimbursement for parts used in warranty repair will be credited only when the parts are purchased from Anderson, unless approved by Anderson prior to the warranty repair. Parts will be credited at the dealer's net cost. No warranty will be allowed on the parts that are past due.
- In the event that parts must be shipped from Anderson, freight will be paid by the dealer and will be shipped by the most economical means to arrive in the shortest possible time. Air, Next Day Air, Priority and other special shipping methods requested by the dealer will be at the Customer's expense.
- Warranty Labour Reimbursement for labour expense to the Dealer is made by payment of the Retail Labour Rate of $65.00 CAD per hour, or as regulated by provincial statutes. Repair times will be reviewed by Anderson and may be adjusted to average repair times required by other Dealers to make similar repairs.

Other Warranty Provisions

These guidelines are to be followed when performing warranty repairs:

- All parts removed during warranty repair should be held for a period of 60 days after the Warranty Claim has been submitted to Anderson. These parts can be discarded if disposition or return request hasn't been made during this period. Parts that are returned to Anderson for which credit has not been issued can be returned upon Dealer request within 30 days of claim disposition. These parts will be discarded after the 30 day period.
- Anderson reserves the rights to deny or reverse any and all Warranty Claims for parts, labour, or miscellaneous charges when errors are found or warranty provisions are abused or fraudulent claims are submitted.

About this Manual

This manual is designed to familiarize you with your new grain bagger and ensure you of the safe and proper methods of use.

Disclaimer

Illustrations

The illustrations in this manual are presented for your reference according to the latest information available at the time of printing. The Anderson Group reserves the right to modify its machines without advance notice.

Operator' manual symbols

 **Danger!**	**This symbol represents a dangerous situation. Failure to comply with these safety instructions can cause death or serious injury to the operator or persons near the machine. Closely obey the measures to avoid dangers**.
 **Warning!**	**This symbol represents a situation which could cause light injuries and damage to the machine. Closely obey the measures to avoid hurting yourself and damaging the machine.**
 **Environment!**	**This symbol indicates that the materials or substances used are dangerous for the environment.** **It is important to take precautions in order to protect the environment.**

NOTE :	These types of notes provide additional information about the topic in which they are found.

1. Introduction

The Anderson Group would like to congratulate you on the purchase of your new grain bagger, a quality piece of machinery built essentially to crush and bag grain harvests.

Risk analysis according to Machinery Directive 2006/42/EC was performed based upon proper use of the machine and the associated necessary safety precautions. The Anderson Group declines all responsibility for risks encountered due to improper use.

1.1. General presentation of the grain bagger

The following illustration shows the main components of the 5' model of the GB-5 and GB-6

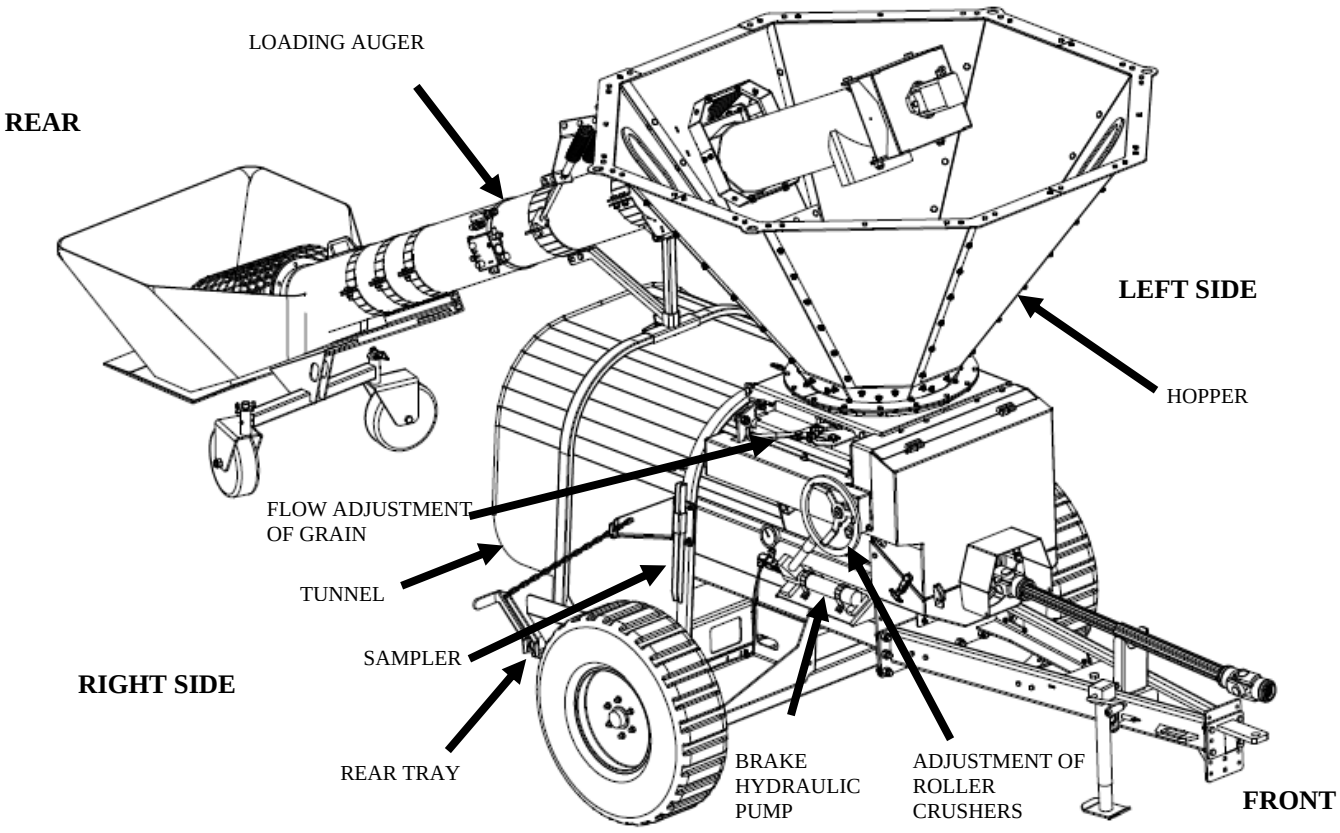


Figure 1.1 **Main components of the bagger**

1.2. Power Transmission

Power transmission occurs via the universal joint shaft, a system of pulleys and a timing belt.

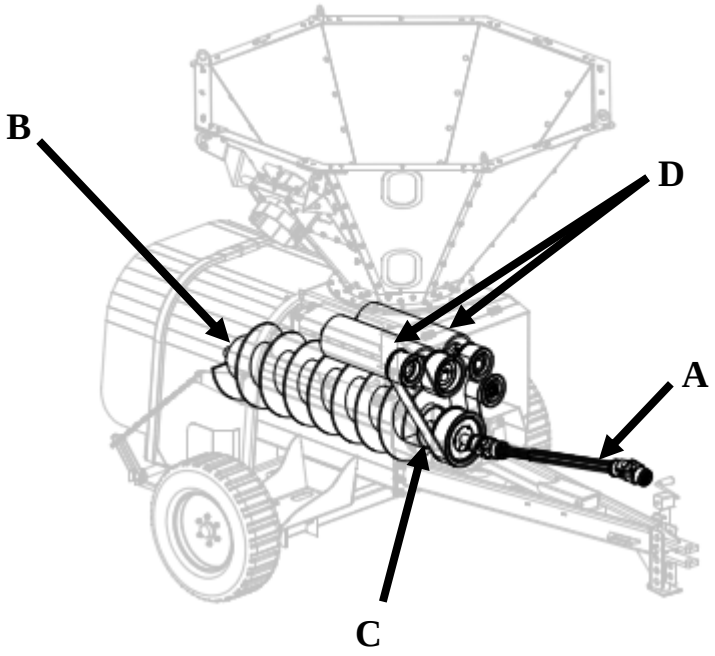


Figure 1.2 **Power Transmission**

A. Simple universal joint shaft
B. Compression auger
C. Timing belt
D. Crush rollers

The drive shaft (A) transmits its power directly to the compression auger (B). It is equipped with a pulley on its shaft that allows the belt (C) to transmit power to the roller (D).

1.3. Hopper

The grain bagger has a large capacity hopper that can rotate 360^0 with a pivot ring (E). Four windows (F) allow you to see the level of the grain in the hopper. The pivot (G) is used to move the loading auger vertically.

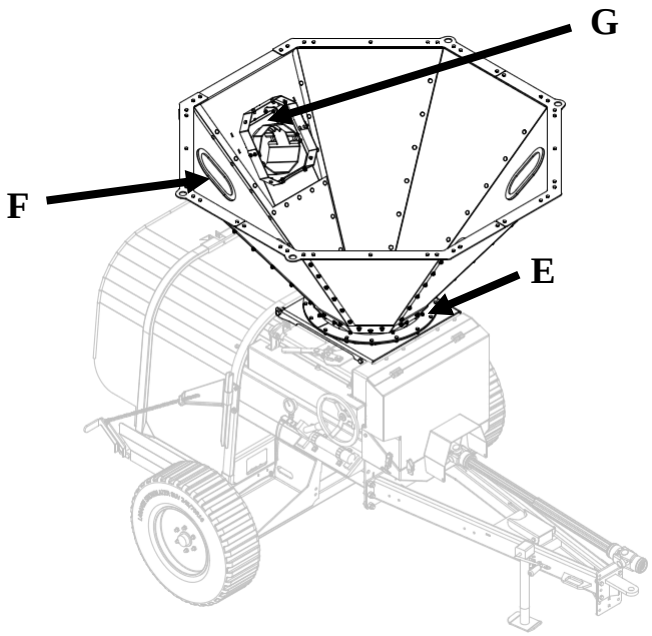


Figure 1.3 **Hopper**

1.4. Case of the Crush Rollers

The grain goes throw the case to be crushed between two grooved rollers (H and I). The trap (J) allows you to control the flow of the grain. The roller (I) is fixed, while the roller (H) is mounted on spring for it to slide. The steering wheel (K) allows you to adjust the pressure between the rollers.

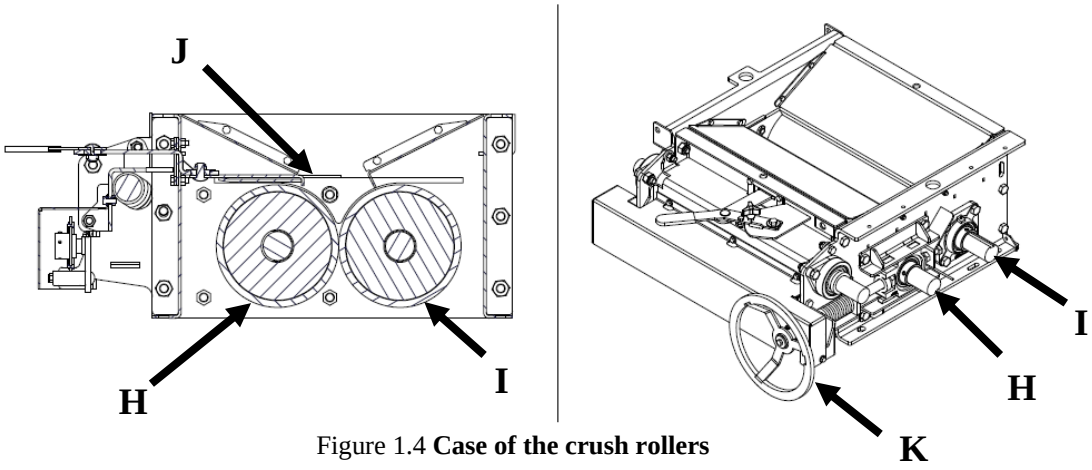


Figure 1.4 **Case of the crush rollers**

1.5. Compression auger

After being crushed by the rollers, the grain is compressed with the worm (M) in the bag.

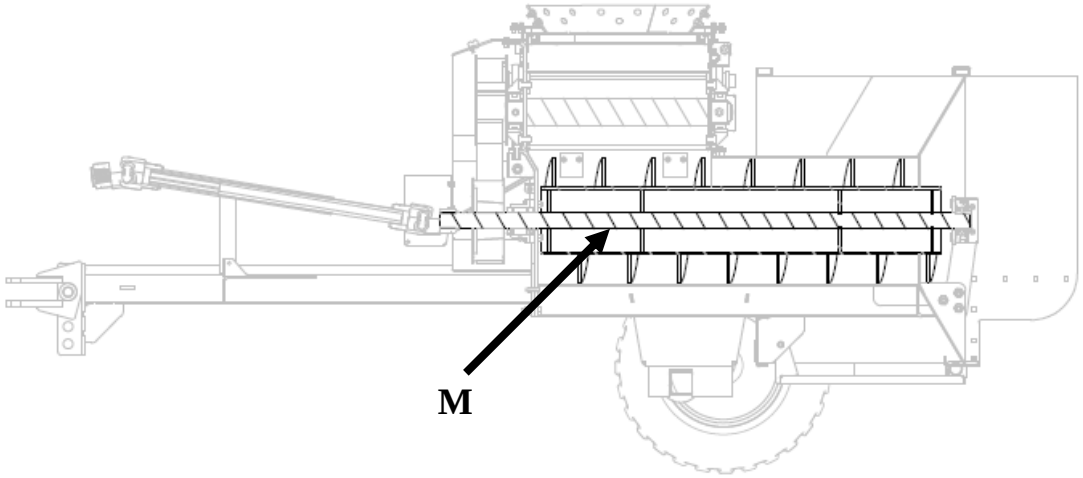


Figure 1.5 **Compression auger**

1.6. Tunnel

The tunnel is the support for the bag at the rear of the machine. The rear tray (N) is used to maintain the duct under the tunnel. Different versions of the bagger can permit you to work with ducts of 5’ or 6’.

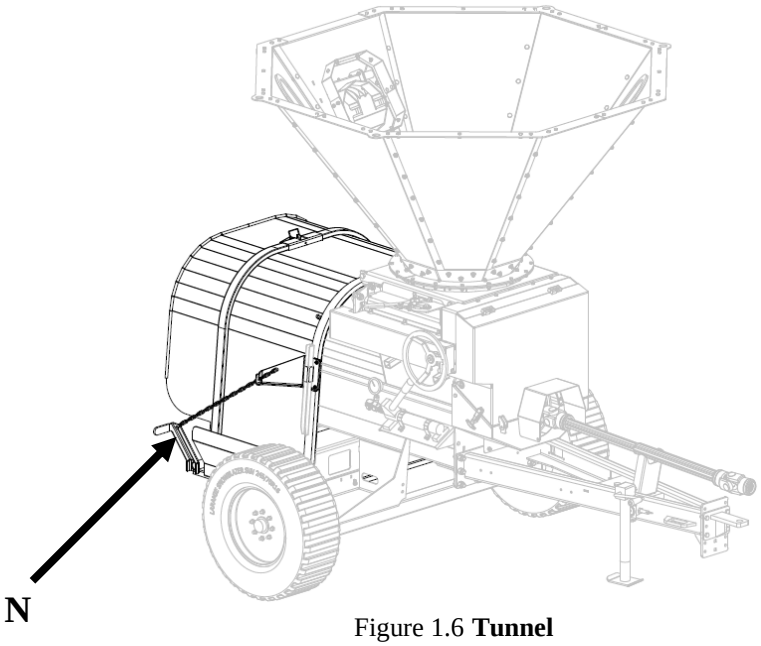


Figure 1.6 **Tunnel**

1.7. Tongue and Coupling

The Tongue is equipped with a PTO shaft support (O) that holds the shaft in a safe position when disconnected from the tractor. A manual jack (P) is located in front of the tongue to support the machine when it is not attached. The attachment (Q) can be adjusted in height to keep the tongue horizontal when hooked on the tractor drawbar.

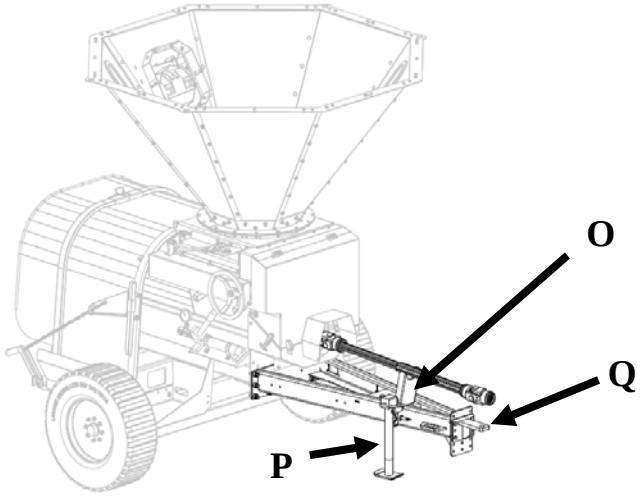


Figure 1.7 **Pole**

1.8. Axle and brake

The axle is equipped with suspension for road transportation. The hydraulic brake system is activated with a manual pump (R). This system allows you to increase the compaction of the grain in the bag.

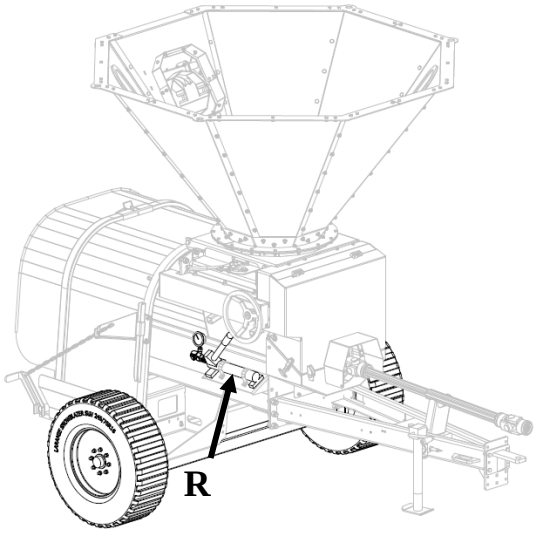


Figure 1.8 **Axle and tire**

1.9. Loading auger

The loading auger helps the grain to climb in the hopper. The auger is equipped with a plastic tub (S) that stores the grain. The valve (V) (flow controller) allows you to vary the speed of the auger. The wheels (W) and the spring system (U) allow you to easily move the system around the hopper.

When transporting, the auger is positioned at the rear on the tunnel with the help of a rod (T).

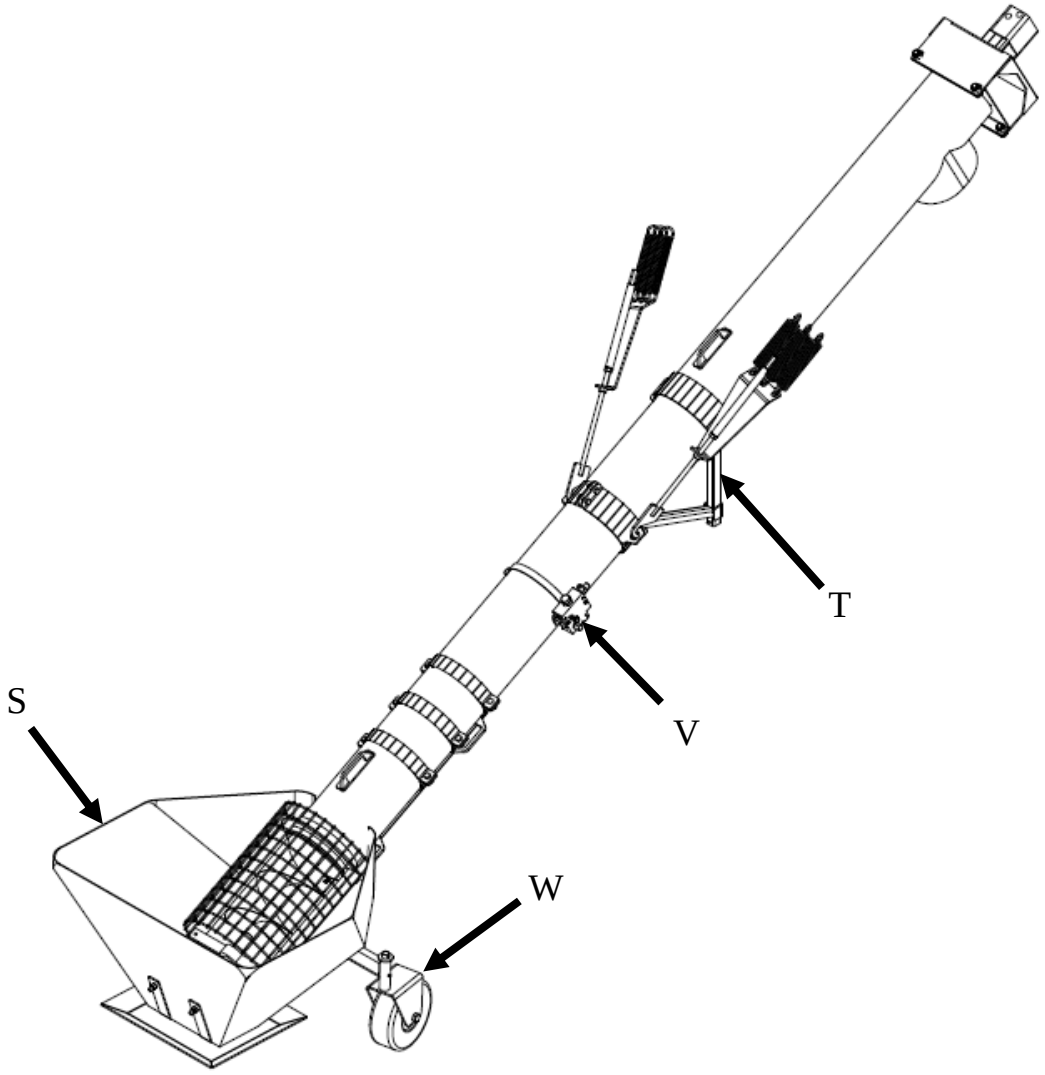


Figure 1.9 **Loading auger**

2. Safety

Important !

The person responsible for the machine must read the maintenance and operator's manual and respect all the instructions.

2.1. General safety measures

2.1.1. General Information

Before beginning to use the grain bagger, you **MUST** read and understand the general safety measures in the operator's manual. Also familiarize yourself with all devices, controls, and their functions.

If certain points are unclear after you have read the operator's manual or if you have other problems that are not explained, consult the Anderson Group's service department. Our competent personnel will provide you with the explanations you need.

The Anderson Group, as an equipment manufacturer, declines all responsibility if modifications are made to the machine. Modifications must be performed exclusively by the manufacturer or authorized persons beforehand in writing from the manufacturer.

The Anderson Group declines all responsibility for damages and accidents caused by incorrect operation, inadequate maintenance, or the use of non-original replacement parts.

This operator's manual is an integral part of your machine. It must be kept in a place where the operator can easily and quickly locate it. This manual must also be transferred to the next user if the machine is sold.

If the pictograms (the safety stickers on the machine) are lost or become illegible, the person responsible for the machine must replace them immediately.

All uses of the grain bagger other than those described in this manual are strictly forbidden.

Always obey the labels on the machine.

2.1.2. Transportation

All forms of transportation of your machine other than those indicated in this manual are strictly forbidden.

When you drive on public roads, ensure that you respect all the regulations in place in the region where you are operating the machine.

When transporting the machine, ensure that the machine is well attached to the tractor and that the tractor's load capacity is sufficient. The weight is indicated on the nameplate (see section 3.1 Identification and section 5 Transportation**)**

Whenever you move the machine (short and long distances), you must turn off the tractor's power take-off.

Limit your speed when driving on rough surfaces.

2.1.3. Attachment to the tractor

Each coupling operation, startup, and routine maintenance must be done by qualified personnel only. The Anderson Group declines all responsibility of the use of this machine by unqualified persons.

The operator is the only person authorized to remain close to the machine during coupling. He must ensure that all other persons remain out of the way during this operation.

Before hitching the grain bagger to a tractor, ensure that the machine is stable on the ground and stable against involuntary movements.

Before performing procedures between the tractor and the machine, ensure that the hand brake is engaged, the engine is stopped, and the key is removed from the ignition switch.

Release pressure from the hydraulic system before connecting the couplings to the tractor.

The person responsible for the machine is in charge of providing personnel with appropriate training and making this manual available to them. The Anderson Group declines all responsibility following accidents caused by failure to fully train personnel.

Improperly coupling of the machine can damage the machine and endanger the operator and other persons around the machine. Closely follow the instructions presented in section 4 Initial operation

Ensure that all the controls are working properly before using your machine.
.

2.1.4. First Startup

Before using your machine for the first time, read and understand all the instructions in this manual. Closely follow the procedures and safety measures.

At no time can you come close to the machine's moving parts (with your hands or feet) when it is hitched to the tractor; unless you have checked to be sure all elements are fully stopped and that the machine is stable and cannot be involuntarily restarted.

The machine must be started gradually (slowly).

If you notice any malfunctions during startup, you must correct them before beginning to use your machine.

2.1.5. Use of the machine

It is forbidden to leave your machine unattended when it is coupled to the tractor. Be sure to turn off and lock the tractor.

For all operating procedures, the operator must remain seated in the driver's seat and have all the controls within arm's reach. At no time can the operator come close to the machine's moving parts (with his/her hands and feet) when it is hitched to the tractor, unless s/he has checked that all elements are fully stopped and that the machine is stable and cannot be involuntarily restarted.

It is forbidden to use the grain bagger when the ground conditions might compromise the machine's stability or the operator's safety.

Authorized uses are limited exclusively to those indicated in this manual. All other uses are forbidden and outside of the limits anticipated by the manufacturer. The Anderson Group declines all responsibility for damages incurred by incorrect use of the machine. Additionally, unauthorized usage voids the warranty.

Any form of transportation of objects, persons, or animals is strictly forbidden.

Before performing any adjustment procedures on the grain bagger, it is necessary to deactivate the power take-off, turn off the tractor engine, and remove the key from the ignition switch. It is also necessary to ensure that the machine is stable.

It is strictly forbidden to operate the grain bagger when the safety guards and devices are not in place or are damaged.

It is forbidden to use the machine when there are abnormal vibrations.

Never stand on the machine or in the hopper.

Warning !

2.1.6. Cleaning

Inadequate cleaning or failure to follow cleaning instructions could damage the parts of the machine.

Cleaning procedures must be carried out when the machine is completely stopped, the tractor engine is turned off, and the key is removed from the ignition switch.

2.1.7. Long-term storage

Before unhitching the grain bagger, ensure that the machine is stable on the ground and protected against involuntary movements.

After unhitching the machine, it is necessary to store the hydraulic couplers in order to prevent them from dragging on the ground when moving the machine.

Use blocks to prevent the machine from moving after it is unhitched from the tractor.

2.1.8. Periodic maintenance

Only experienced persons who are aware of the dangers related to the running of the machine are authorized to perform maintenance and / or repairs.

Before maintenancing the machine, it is necessary that the following procedures are followed:

- The power take-off has been deactivated
- The machine is well stabilized on the ground
- The tractor engine is turned off, the key is removed from the ignition switch, and the hand brake is engaged

It is strictly forbidden to maintenance the machine while it is running.

Protective devices can be removed only when the machine is fully stopped and can not be involuntarily or accidentally restarted. Only remove the safety devices to maintenance the machine. When maintenance is finished, all security devices must be returned to their proper places.

Only use original replacement parts. Non-original replacement parts can compromise the proper functioning of the machine and void the warranty.

Regularly check the tightness of the nuts and bolts, and retighten them if necessary.

Dispose of used oils and greases according to the rules in effect in your area.

Environment!

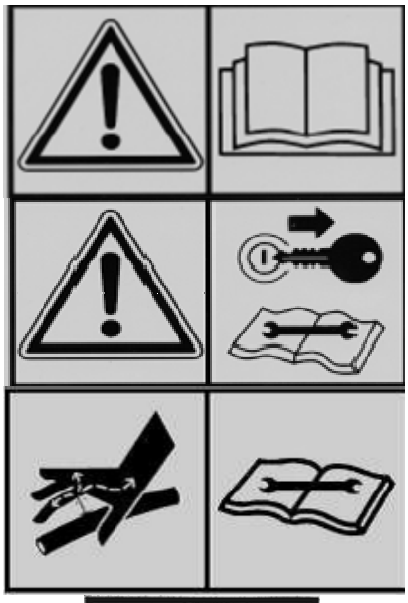
It is necessary to regularly check all safety devices subject to wear and replace them if necessary.

2.2. Safety stickers

The symbols (pictograms) described below are placed on the grain bagger to warn the operator, mechanics, and anyone else around the machine against insecure and dangerous situations. The symbols on the stickers explain how to avoid risk of injury through appropriate behavior.

Be careful when you clean the machine with a high-pressure cleaning system. The jet must not be aimed directly onto the stickers.

Make sure that the pictograms stay clean and replace them immediately if they wear off or are damaged. If you replace a part that bears a warning symbol, make sure that the new part bears the same warning symbol.



Read this maintenance and operator's manual closely before operating the grain bagger.

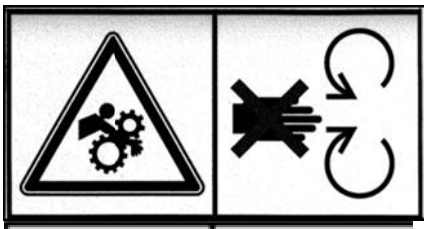
Before performing any maintenance or repairs, stop the engine, remove the key from the ignition switch, and consult the operator's manual.

Hydraulic system under pressure. Before performing maintenance work on the machine, Carefully read the operator's manual section 9 Maintenance.

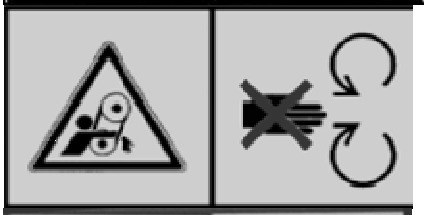
Maximum revolution of the power take-off of the tractor. Do not exceed the indicated value on the sticker.

Risk of being caught in the auger. Stay at a secure distance from moving parts

Risk of being caught in the auger. Stay at a secure distance from moving parts.

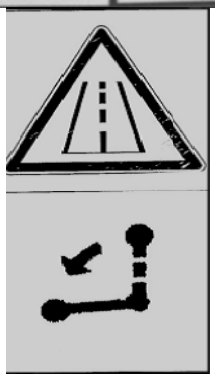


Risk of being caught by the crusher rollers. Stay away from moving parts.



Risk of being caught by the belts. Stay away from moving parts.

Risk of being crushed by the wheel. Never stay in front of the wheels when the brakes are applied



Risk of accident. Open the valve on the hydraulic brake system before driving on the road.

3. Technical information and Specifications

3.1. Identification

Your grain bagger's nameplate is located on the right side of the machine.

Figure 3.1 **Position of the nameplate**

NOTE :	You must always have this information in hand when you order replacement parts or when you ask our customer service department for help.

Figure 3.2 **Nameplate**

3.2. Technical Characteristics

	GB-5	GB-6
Power Take-Off Required		
Power (min/max)	35 / 75 kW (50/100hp)	
Rotation speed (Running speed)	540 RPM 1 3/8 Z6	
Universal joint shaft		
Main shaft	Simple universal joint / Simple universal joint with shear bolt	
Security Devices		
Main shaft	Shear bolt (M10 x 60mm class 6.8 ou 3/8 UNC GR.2 X 2 1/2 LG)	
Crushers rollers		
Length	595mm (23 1/2in)	
Diameter	215mm (8 1/2in)	
Speed of rotation	Mobile roller : 740RPM Fixed roller : 960RPM	
Drive	Gear Belt 85mm (3.3in)	
Compression auger		
Length	1320 mm (52in)	
Diameter	405 mm (16in)	
Speed of rotation	540 RPM	
Drive	Main shaft	
Hopper		
Higher diameter	1870mm (73 1/2in)	
Height	1030mm (40 1/2in)	
Volume	$1.25m^3$ (35.5 Bushels)	
Rotation	360^0	
Bag		
Diameter	1,5m (60in)	1,8m (72in)

Loading auger

Diameter	255 mm (10in)
Length	3.6 m (12ft)
Drive	Hydraulic motor
Speed	Up to 400 RPM @ 14 GPM - 2000 Psi
Capacity	135tons / Hr (5000 Bushel / Hr)@ 401 RPM
Hydraulic pressure	Min : 500 Psi Max : 3050 Psi
Hydraulic flow	0 - 30 GPM

Tires

Dimensions	245 / 75 R16
Inflation Pressure	2.1 bar (32 Psi)
Wheel Bolt Torque	163 N.m (120 lb. ft)

3.3. Dimensions

	GB-5	GB-6
Dimensions		
Length (A)	3.50m (138in)	3.50m (138in)
Width (B)	2.10m (83in)	2.39m (94in)
Height (C)	2.54m (100in)	2.54m (100in)
Height with loading auger (E)	2.79m (110in)	2.79m (110in)
Length with loading auger (D)	5.84m (230in)	5.84m (230in)
Width with loading auger (F)	2.70m (106in)	2.54m (100in)
Weight	1247 kg (2750lbs)	1295 kg (2850lbs)

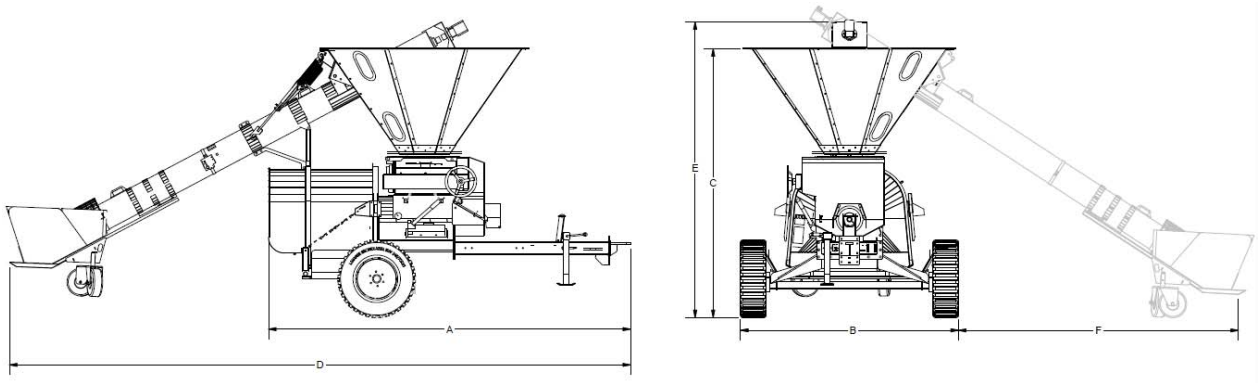


Figure 3.3 **Dimensions**

4. Initial operation

4.1. Coupling to the Tractor

Danger !

Pay close attention when coupling and uncoupling the machine to and from the tractor.

Ensure that the machine is fully immobilized; use blocks intended for this purpose.

To use the grain bagger, the tractor must be equipped with:

- 1 double acting hydraulic control valve
- power take-off shaft of 1 3/8in. with 6 grooves

The instructions presented in this manual for coupling the machine to the tractor are presented as an example only.

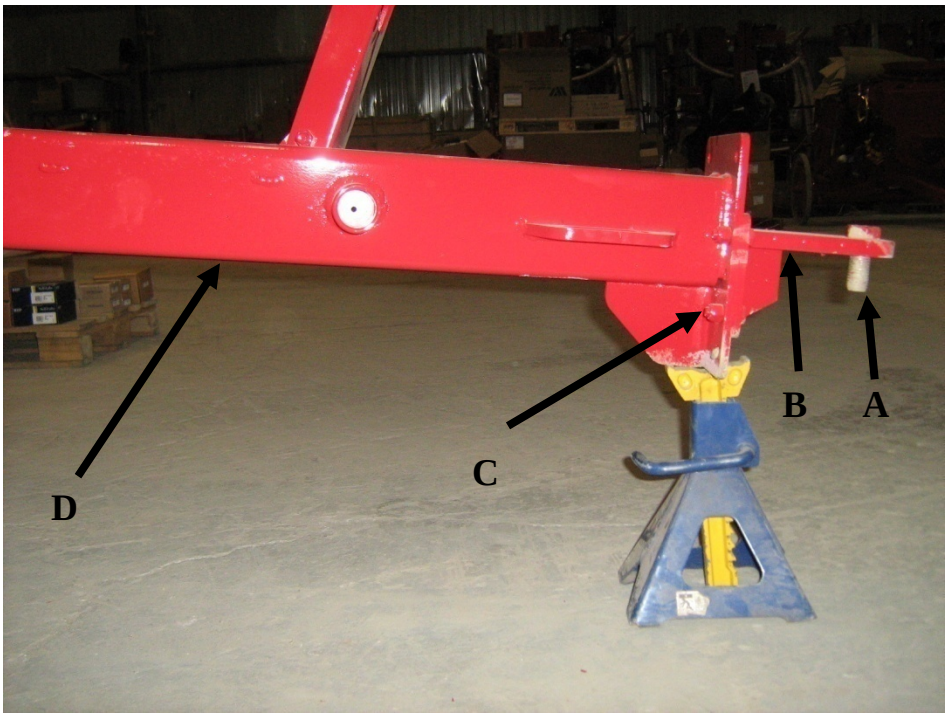


Figure 4.1 **Fixing to the tractor**

- Use the pin (A) to hook the machine to the tractor.
- Lock the pin with a safety pin.
- To adjust the height of the hitch bar (B), adjust the mounting bracket (C) so that the pole is parallel to the ground.

If you towing your machine on a public road you have the responsibility to respect the registration and lighting in your area. We also recommend that you always fix a safety chain between the pole of the machine and your tractor.

Warning !

Incorrect coupling of the machine can cause the machine to detach during transportation or operation, and lead to serious consequences, such as operator injury or damages to the tractor and other equipment.

Before moving or using the machine, always ensure that the machine is properly coupled to the tractor, that the fastening pins will not come loose and that the security chains are well attached.

4.2. Mounting the Universal Joint Shaft

The universal joint shaft is equipped with a push button towards the tractor, and an adjustable collar with a bolt on the side of the machine.

Machine Side

- Slide the universal joint shaft onto the shaft of the compression auger.
- Install and tighten the bolt.

Tractor Side

- Insert the push button
- Slide the universal joint shaft onto the tractor's PTO until the push button fits back in its position and locks in place.
- Attach the fastening chains (B, Figure 4.2) of the shaft tubes on the universal joint shaft to the tractor and to the safety cover of the power system.

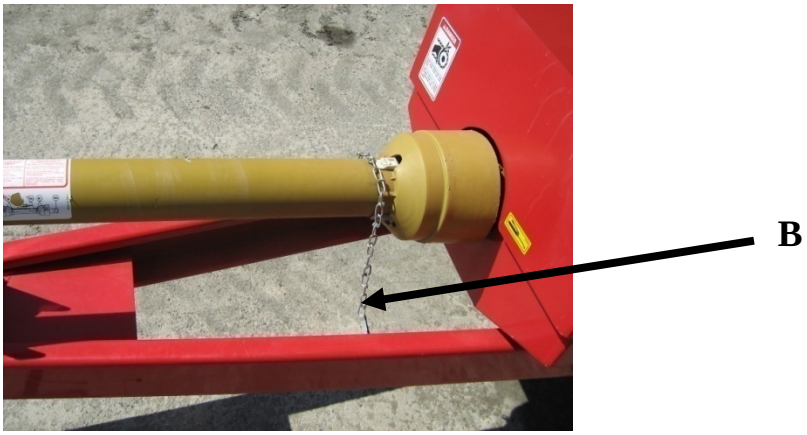


Figure 4.2 Chains on the Shaft Tube

4.3. Connecting the hydraulic system

The grain bagger has **1** hydraulic circuit for the loading auger.

Warning !

If the connections are reversed, the check valve will prevent any movement of the loading auger.

Pay careful attention to the cleanliness of the connections when connecting to the tractor. Dirt and grime will contaminate the tractor's hydraulic oil.

Release the pressure of the tractor's hydraulic system before connecting.

4.4. Check before startup

Before any use of the machine, it is extremely important to check and obey the following points:

- All the safety guards and protective devices are in place and working properly.
- The universal joint shaft is correctly installed and locked on the compression auger and on the power take-off. The chains on the shaft tube must also be attached.
- The hydraulic hoses are properly connected to the tractor.
- The hydraulic controls are working properly. The operator must check the loading auger and the brake system of the machine with the power take-off stopped. Ensure that there are no oil leaks.
- The rotation speed of the power take-off is 540 RPM.
- Engage the power take-off only when the engine is turning slowly.
- Make sure that there are no vibrations or abnormal noises when the machine is running at full throttle.

5. Transportation

Here are the instructions to follow to transport the Grain Bagger with your tractor.

- Stop the PTO.
- Open the valve (A) and (B) on the manual pump, you ensure there is no pressure in the brake system.
- Ensure that the hopper is completely empty.

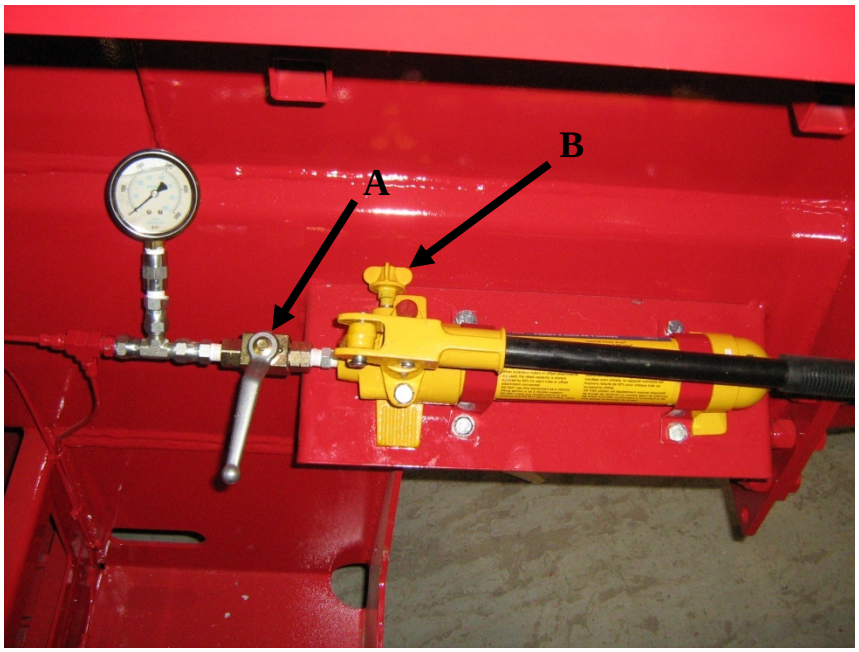


Figure 5.1 **Manual pump**

Lock system of the loading auger

- Turn the hopper so that the loading auger is at the rear of the machine.
- Insert the rod (A) in his housing on the tunnel.
- Use the lock (B) to secure the rod in its housing.

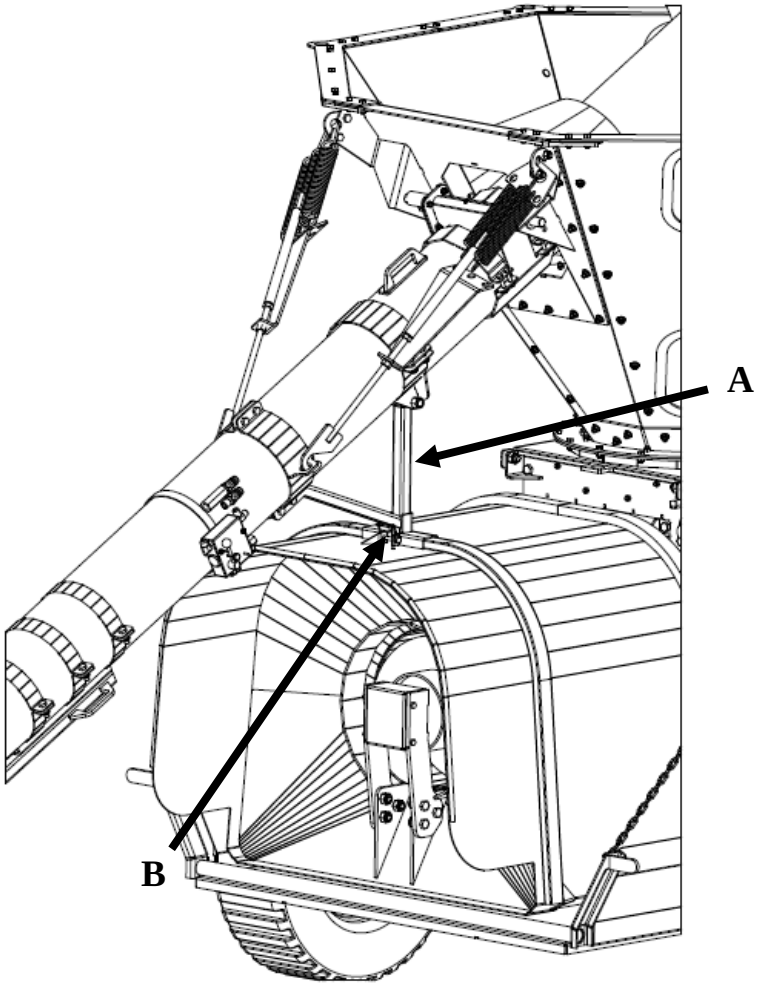


Figure 5.2 **Transport system**

The grain bagger is designed to move at a maximum speed of 25 km/h on paved roads. In case of uneven ground, excessive speed could damage the grain bagger and your tractor. The speed must always be appropriate to the conditions of the terrain. Anderson declines all responsibility for injury or damage caused by excessive or inappropriate speed.

6. Operation

6.1. Operating Instructions

Warning !

Each operation described below must be performed by qualified personnel who have read and understood the instructions in this manual.

Never bring hands or feet near the machine while operating the machine or when the machine is coupled to the tractor.

Clothing

The operator must wear adequate safety equipment given the type of work to be done and the work environment. Safety glasses, gloves, and steel-toed boots are recommended. The operator must avoid scarves and clothing that are too loose, which could interfere with his/her movement.

Warning !

At all times during operation, the operator must follow the safety rules given in section 2. **Safety,** as well as perform the necessary checks described in section 4.4 **Checks before start-up**.

6.1.1. Site selection

It is important that the storage site is prepared before starting to bag the grain. The ground must firm and flat, be well drained and clean of any undergrowth or other foreign material. There must not be anything on the ground which can damage the plastic bag. You must also avoid slanted or muddy ground.

6.1.2. Installation of the bag on the tunnel

Remove the bag from the box and unfold the side so that the writing and the elastic measurements are on the side (Figure 6.1), this way when the bag is on the tunnel, they be visible on the side.

Figure 6.1 **Unfold the Bag**

For the installation of the bag, the rear tray must be lowered (A). Insert the bag around the tunnel and move it forward on the machine to the rectangular tube in front of the tunnel (B) (Figure 6.2).

The bag must be installed on the tunnel so that the plastic fold comes from the interior.

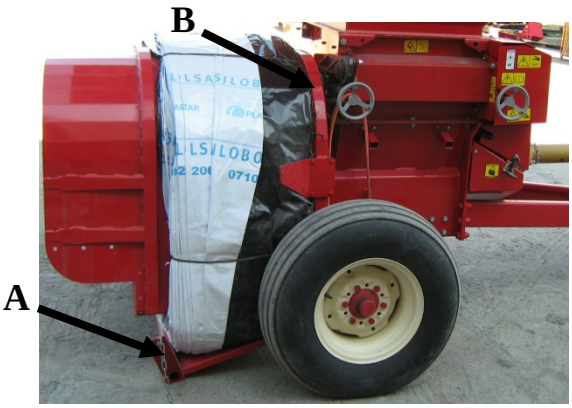


Figure 6.2 **Installation of the Bag**

NOTE :	The white side outside and the black side inside If it is not the case, turn the bag inside out. The elastic must be on the side of the bag, in a good position to measure the stretching of the bag.

NOTE :	The bag is equally distributed around the tunnel, so that the distance between the bag and the tunnel would be the same on each side. Otherwise, it may tear or stretch unequally, which will cause an incorrect filling of the bag.

Raise the back plate so that it is 6-8mm (1/4 – 5/16in.) from the frame of the machine so that the grain spreads easily (Figure 6.3).

Figure 6.3 **Back plate**

Take out the internal fold of the bag until it is out about 30cm (12in).

Use an elastic cord (C) around the tunnel, in front of the folds and attach it to the back plate (Figure 6.4). The elastic cord allows the plastic to release one fold at a time.

Figure 6.4 **Elastic cord**

Attach 3 shorter cords (D) on each side and on top of the tunnel to prevent the long cord (C) from moving.

Figure 6.6 **Elastic cord**

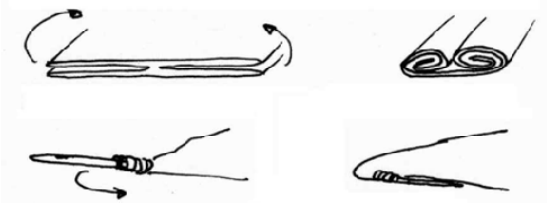
6.1.3. Closing the bag

When the bag is in position around the tunnel, the operator must deploy some folds to reach a length of about 3m (80 to 120in.) from the back of the machine.

Figure 6.7 **Closing the Bag**

Fold the end of the bag.

Roll both side towards the interior



Use a cord or adhesive tape to close off approximately 1m (40in) from the end of the bag.

Figure 6.8 **Closing the bag**

The end of the bag must be folded up and folded back under the bag in order to ensure a good seal.

Figure 6.11 **Closing the bag**

6.1.4. Filling the bag

Steps to follow:

- The tractor must be in neutral.
- Start the power take off and turn it up to 540 RPM.
- Load the grain in the hopper: directly in the hopper or with the loading auger.
- Follow the adjustment procedures in section 6.2 **Adjusting the Machine** according to the conditions of the grain and the desired final result.

NOTE :	Check the stretch of the bag throughout filling. The operator must measure the bar of stretch using a measuring tape and follow the indications of the bag manufacturer without exceeding 5%. of the measurement recommended. To adjust the stretch of the bag, follow the instructions in the section 6.2.1 Brake adjustment.

6.1.5. Finish the Bag

When space is insufficient to continue, or all of the grain is bagged, the bag must be cut and sealed.

- Close the trap door at the bottom of the hopper to stop the flow of the grain if there is any remaining.
- Move the tractor forward very slowly until there is no more grain between the tunnel and the bag.
- Move the tractor forward 2m more
- Stop the PTO.

6.1.6. Cutting the bag

- Cut the bag while following the edge of the tunnel; finishing with the lower part. The remainder of the bag can be left in place on the tunnel to begin the next sausage.
- Seal the bag by repeating the procedure in section 6.1.3 Closing the bag.

6.2. Adjusting the Machine

Danger !

Some adjustments on the grain bagger must be carried out when the power take off is disengaged, the engine is turned off and the key is out of the contact.

It is also necessary to ensure that the machine is stable.

6.2.1. Brake adjustment

Brakes control the compaction of the grain and the stretching of the bag.

To increase the pressure: close valve B and the use the arm (A) of the manual pump.

The gauge (C) shows the oil pressure in the brake system. The operator can associate the pressure with the stretching of the bag.

NOTE :	The pressure can vary according to several conditions: The type of grain, the ground, the moisture content and the type of tractor used.

To release the pressure, unscrew the valve (B).

NOTE :	It is not necessary to apply the brakes of the tractor.

The valve (D) is installed so that internal leaks from the cylinder do not allow the pressure to drop.

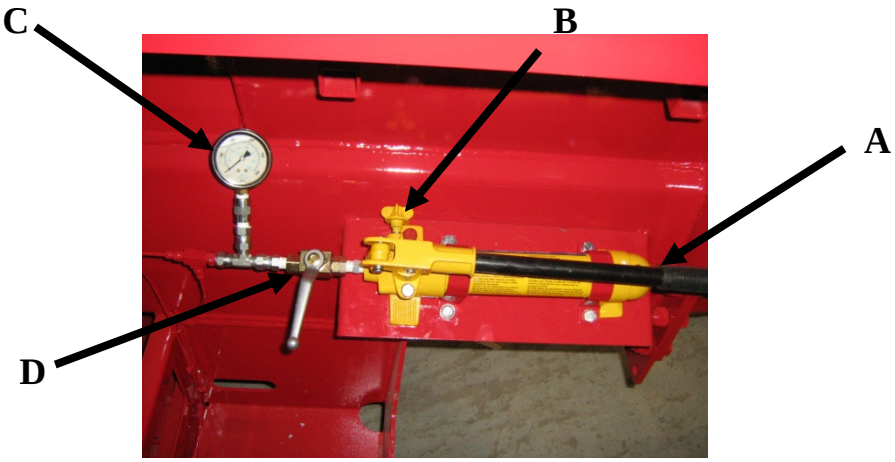


Figure 6.12 **Brake manual pump**

6.2.2. Grain Flow

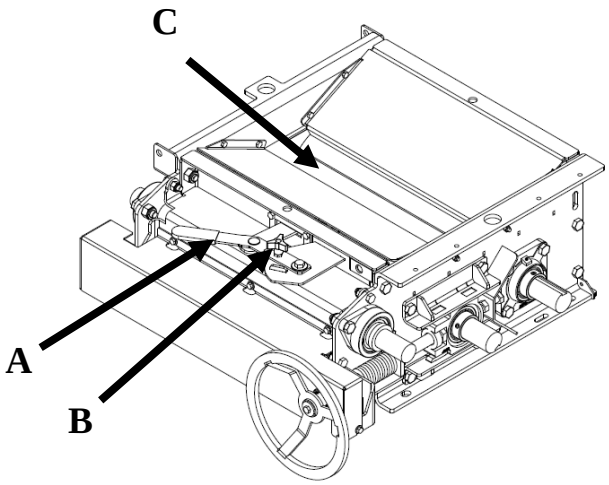


Figure 6.13 **Roller Case - Trap**

The handle (A) moves the trap (C) to control and stop the flow of the grain through the crush rollers.

A locking device (B) prevents any involuntary movement of the trap. The operator must be sure to block the trap during use.

- Pull on the handle (A) to increase the flow.
- Push on the handle (A) to reduce the flow or completely stop it.

6.2.3. Tension on the Crush rollers

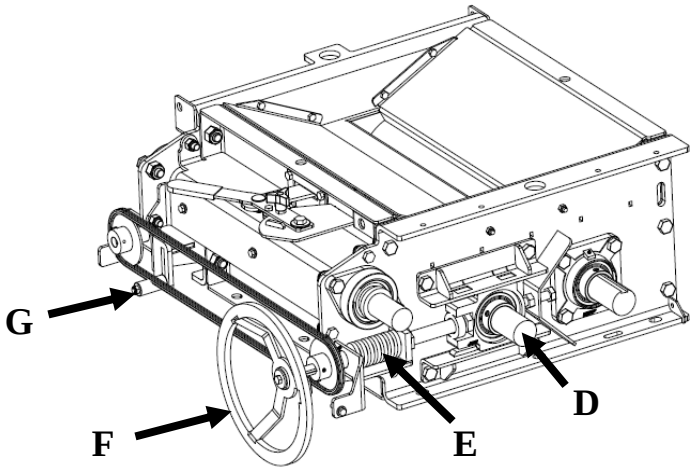


Figure 6.14 **Crush roller tension adjustment**

The roller (D) can move horizontally to increase or decrease the gap between rollers to prevent damage caused by a foreign material. The proper tension has to be applied on the roller in order to have the desired crushing of the grain.. The tension on the roller (D) comes from the springs (E) at both ends of the roller.

Use the samplers on each side to check the work made by the crush rollers on the grain.

The wheel (F) simultaneously adjusts the tension on both springs (E).

- To increase the strengh of the springs (turn the wheel (F) clockwise) this increases the crushing of the grain.
- To decrease the strengh of the springs (turn the wheel (F) counter clockwise) this decreases the crushing of the grain.

6.2.4. Gap between Crush Rollers

The minimum gap between the rollers can be modified according to the type of grain or the refinement of the desired crushed grain

Generally, turn off the tractor engine; remove the key from the ignition switch, before beginning repairs, maintenance, and /or cleaning.

Danger!

- Remove the 2 bolts (H) and turn the hopper backwards to see the rollers.

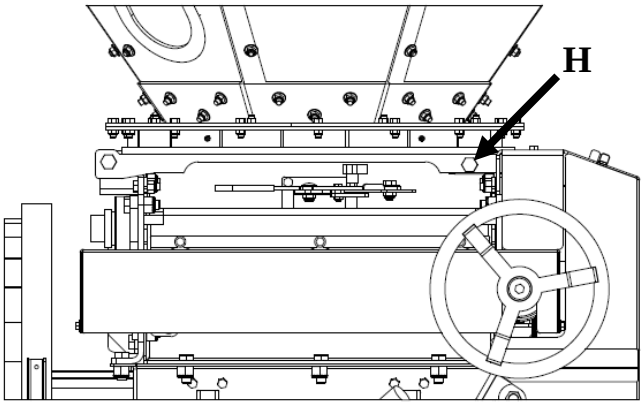


Figure 6.15

- Unscrew the counter-nut (I).
- Adjust the bolt (J) if needed.
- Adjust the tension on the springs if needed.
- Tighten all the nuts and put the hopper back in place then tighten the bolts (H).

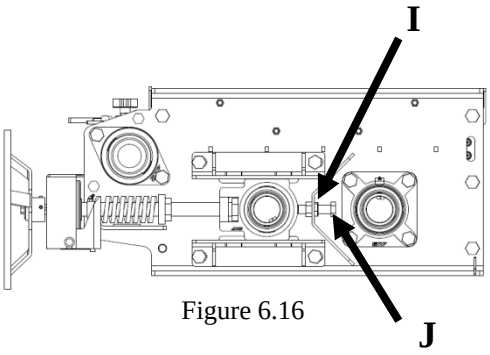


Figure 6.16

NOTE :	When adjusting the distance between the movable roller and the stationary one you must be sure to adjust both ends of the adjustable roller.

6.3. Restrictions of use

NOTE :	The tractor's PTO must rotate at 540 RPM. An excessive (or lower) number of revolutions will cause an increase (or reduction) of the rotation speed of the crush rollers and can compromise the quality, the performance and the service life of the machine. Use the grain bagger only with a tractor that meets the requirements indicated in section 3 Technical information and Specifications**.** Only the methods indicated in this manual in section 6 Operation are allowed. Any other use will be judged improper and outside of the limits intended by the manufacturer, who declines all responsibility in case of possible damage. Weather conditions and other working conditions must stay within the norms and not cause accidents.

It is forbidden to use the grain bagger when the conditions of the land (sloping terrain, rough terrain, etc.) can compromise the stability of the machine and cause it to overturn.

Warning ! Any form of lifting or transporting objects, people, or animals is strictly forbidden.

6.4. End of operation

When the work is done, ensure that the hopper and the compression auger are completely empty.

Ensure that the machine is stable before stopping the tractor. Before leaving the tractor, it is necessary to remove the key from the ignition switch and lock it.

At the end of every day, it is necessary to clean all of the accumulated residues from the grain bagger (see section9.5 Cleaning)

7. Troubleshooting

Before looking for problems and their causes, make sure of the following points:

Danger !

- The power supply of the machine is disconnected.
- The machine cannot accidentally be started.
- The machine is stable on the ground.
- The tractor is turned off and the key is removed from the ignition switch.

The solutions suggested for resolving the problems must be applied while following the safety measures presented in this operator's manual.

Problem	Possible Causes	Solution
The machine vibrates excessively while in operation.	Crush rollers or the compression auger irregularly worn.	Replace the rollers or the auger.
	Unbalanced crush rollers or compression auger.	The rollers or the auger must be balanced by a specialist.
	Dirt accumulated on the crush rollers or the compression auger.	Clean the machine as indicated in the section 9.5Cleaning**.**
The crush rollers are seized.	Foreign body in the crush rollers or the compression auger.	Remove the loading auger, to toggle the hopper backwards and to check the condition of the case. Check the tube of the compression auger to make sure that it is not damaged and be sure that it is free of debris.

Problem	Possible Causes	Solution
The crush rollers do not turn at the desired speed.	Brocken belt.	Replace the belt.
	The shear bolt is broken.	Replace the shear bolt on the universal joint.
The loading auger doesn't turn.	Hydraulic connections poorly connected to the tractor.	Stop the tractor, release the hydraulic pressure, clean the connections, and reconnect them.
	Broken hydraulic hose.	Replace the damaged hose(s) with hose(s) that have the same characteristics.
	Presence of foreign body in the tube of the loading auger.	Check the tube and clean it if needed.
The grain does not fall into the case of the crush rollers.	The trap is closed.	Open the trap to have the desired flow (Section 6.2.2 Grain Flow).
	Creation of a bridge in the hopper.	Use a stick to release the grain.
The hopper does not turn.	Lack of grease.	Lubricate the central pivot (Section 9.2 Lubrication)

NOTE : For other problems that are not explained in this manual, please consult your trusted retailer or contact our service department.

Address : **ANDERSON GROUP**
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Fax Service : 1-819-382-2218
Website: www.grpanderson.com

8. End of operation

To unhitch the machine, follow these steps:

During unhitching, the operator is the only person authorized to be near the machine.

The operator must engage the hand brake, turn off the tractor, and remove the key from the ignition switch.

Warning !

- Use blocks to prevent the machine from moving while being unhitched from the tractor.
- Install the jack and lift the tongue.
- Disconnect the hydraulic connections from the tractor.
- Remove the universal joint shaft from the tractor and connect it to the tilting support.

Ensure that you have released the hydraulic pressure from the tractor's system to disconnect and make future reconnection easier.

Warning !

- Remove the hitch pin between the machine and the tractor's drawbar.
- Carefully move the tractor forward and put the fastening pins back in the holes of the coupling.

It is preferable to keep the machine in a dry, covered place so that it will be in good condition when it is used again.

9. Maintenance

The following section presents the different maintenance operations to be performed regularly on your machine. By performing maintenance methodically and regularly, the cost of operation will be reduced and the service life will be increased. Following each use, cleaning residues, dust, and other accumulations will allow proper functioning of the machine while reducing potential damages.

Danger !

In general, turn off the tractor engine, remove the key from the ignition switch, and disconnect the PTO before beginning repair, maintenance, and cleaning.

It is strictly forbidden to perform any maintenance while the machine is running.

Only qualified and adequately trained persons are authorized to maintenance the equipment.

9.1. Wheels and tires

Danger !

Repairs made on the tires must be done by qualified personnel possessing the appropriate tools.

When the air pressure is too high, the tires risk bursting.

- Respect the recommended air pressure (Section 3.2Technical Characteristics)
- Regularly check the tire pressure.

Ensure that the machine is immobilized, stable, and protected against any involuntary movement before working on the tires.

- Use blocks.

Ensure that the lifting equipment has a sufficient lift capacity.

9.2. Lubrication

The lubrication points are indicated by a pictogram (Figure 9.1). If possible, lubricate after use to facilitate the removal of dirt, impurities, and old grease.

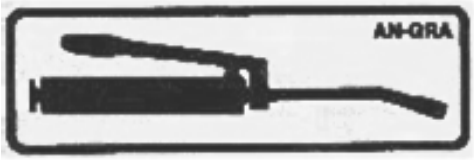


Figure 9.1 **Lubrication Pictogram**

Carefully clean the grease fittings before injecting the grease. This prevents dust, dirt, and impurities from penetrating with the grease which would reduce or even cancel out the lubrication.

Anderson Group advises against the use of any grease that is not weatherproof or has a tendency to dry rapidly.

To give you better access to the lubrication points, we recommended using a grease gun equipped with a flexible nozzle.

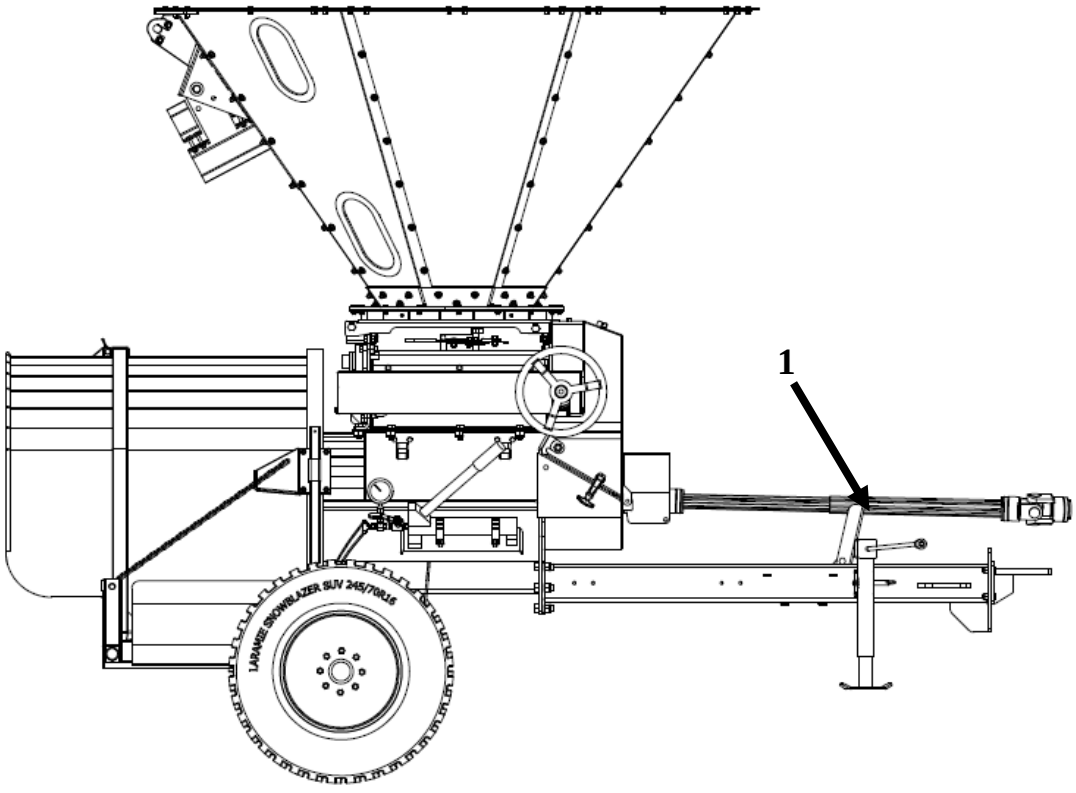
Warning !

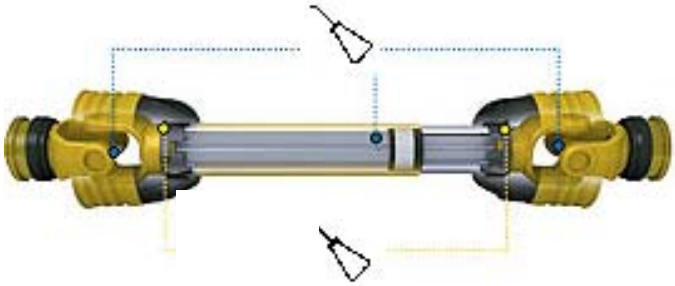
Abusive greasing can damage the mechanical components.

Environment !

Store lubricants in appropriate containers and places and dispose of them appropriately

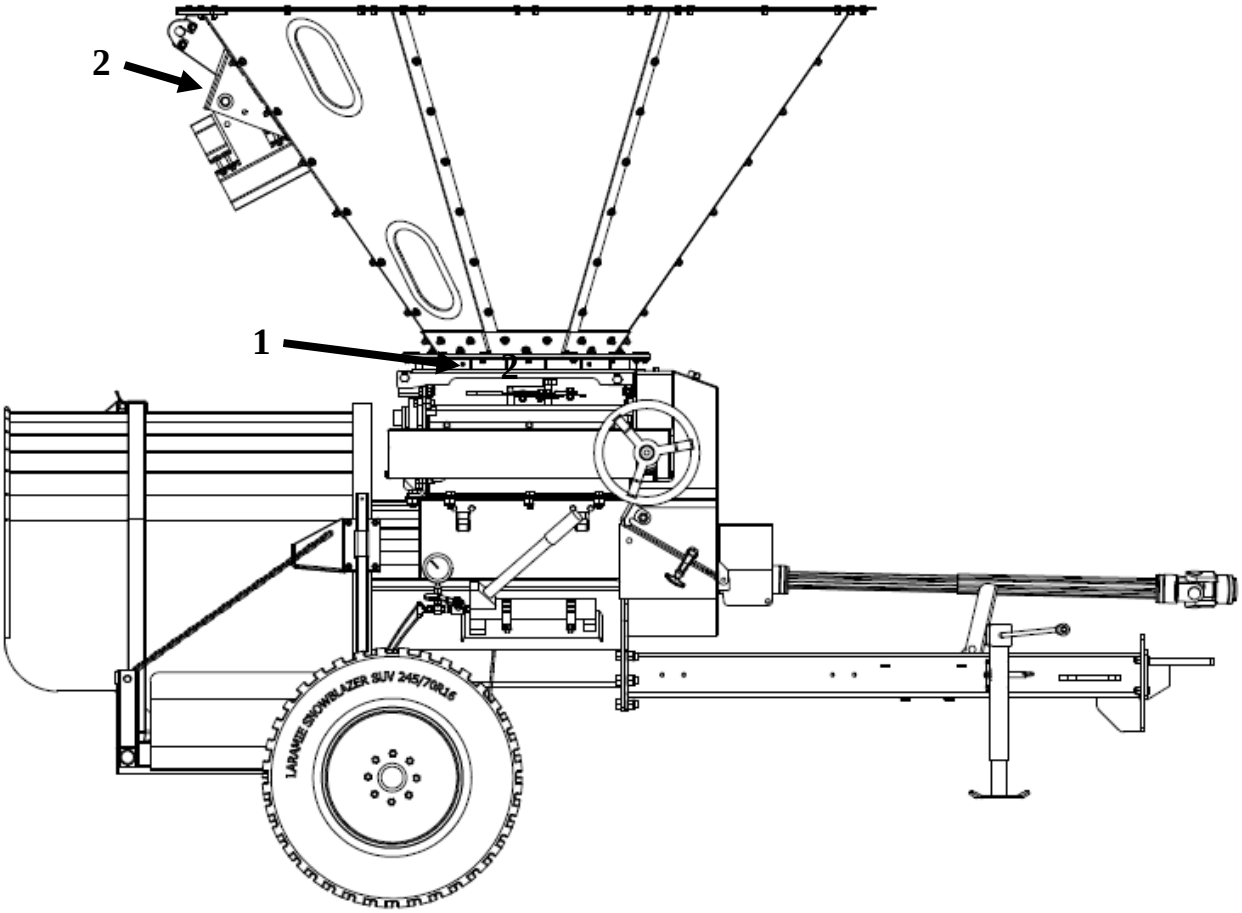
Grease every 10 hours of use.

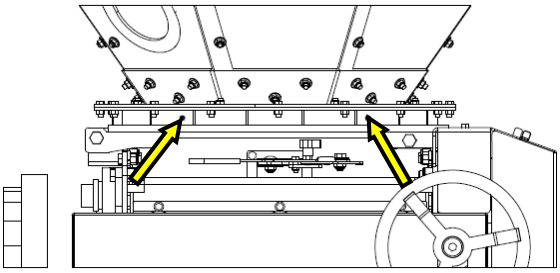




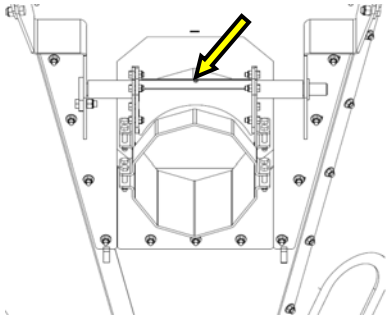
1 : Universal Joint Shaft

Grease every 50 hours of use.



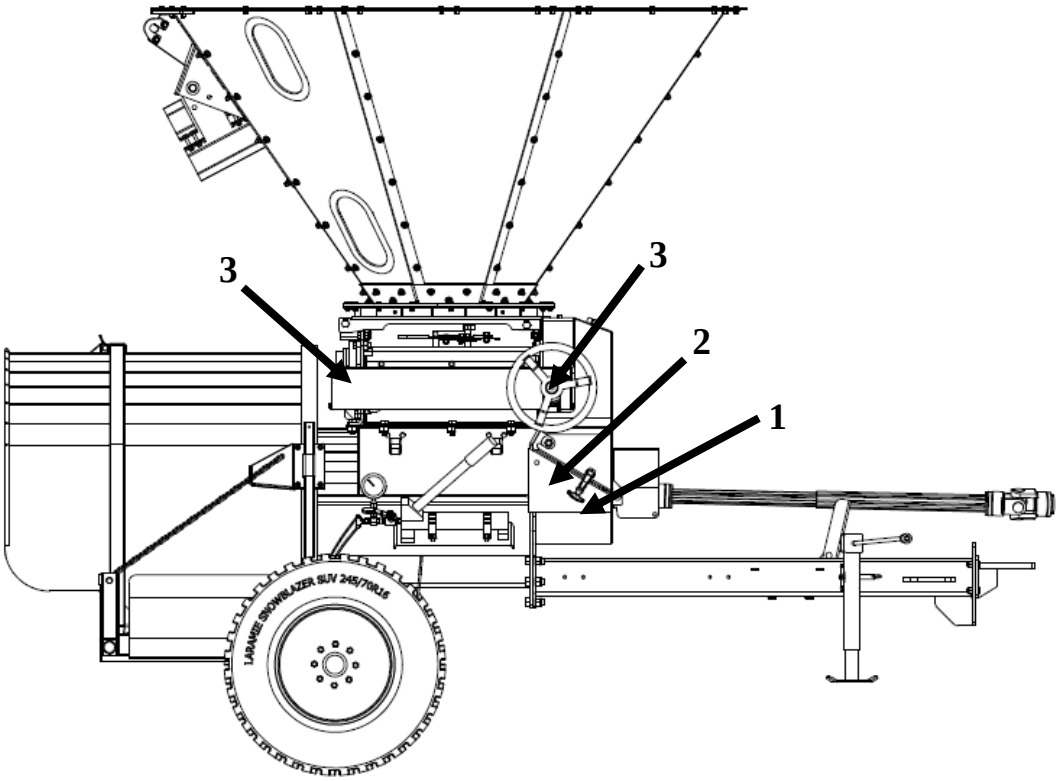


1 : Central pivot
(4 total)

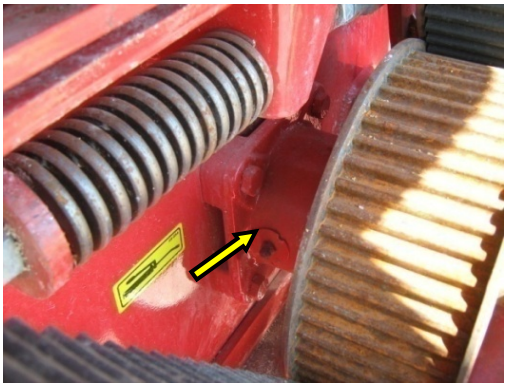


2 : Pivot of the loading auger

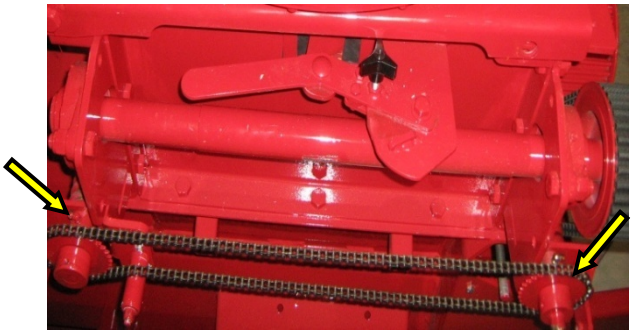
Grease every 100 hours of use.



1 : Belt support pivot



2 : Bearing in front of compression auger



3 : Roller adjustments

9.3. Safety Guards

Danger !

After maintenance has been done on the equipment, reinstall all safety guards and protective devices in their places.

The protective devices can be damaged. They must be inspected regularly and replaced as necessary with original parts.

Unbalanced Rotor

Vibrations coming from the machine can cause a weakening of the structure, cracks in materials, and even ruptures.

Warning !

When abnormal vibrations manifest themselves, check that the rollers and the compression auger are in good condition. If all the grooves are in good condition, it is possible that the rollers are unbalanced.

Balancing of the rollers and compression auger must be done by a certified repair shop.

Welding Work

Warning !

Before welding on the machine:

- Disconnect the tractor battery if it is connected to the grain bagger.
- Install the ground terminal of the welder near the place you will be welding.

9.4. Maintenance intervals

The maintenance intervals suggested in this manual must be used for reference purposes only for normal conditions. They can vary according to work environment and seasonal factors. When you work under more difficult conditions, you must maintenance the equipment more frequently.

The decision to increase the frequency of the maintenance suggested in this manual is up to the operator.

9.5. Cleaning

After each day of use or at the end of the project you are completing it is necessary to clean the machine of all accumulated residues. A daily cleaning assures you that the moving parts stay in good working condition.

Warning!

Residues accumulated on the machine can compromise the efficiency and life expectancy of the machine.

Danger !

All cleaning must be done by trained staff.

The tractor must be stopped and the key removed from the ignition before doing maintenance or cleaning of the machine.

It is better to clean the machine with rags or compressed air. A pressure washer is not recommended.

Warning!

If water is used for the cleaning of the machine, it is absolutely necessary to grease all of the components of the machine afterwards. This is because you do not want water to infiltrate the moving joints or the bearings.

9.6. Power Transmission System

The grain bagger's power transmission system is represented in the following illustration.

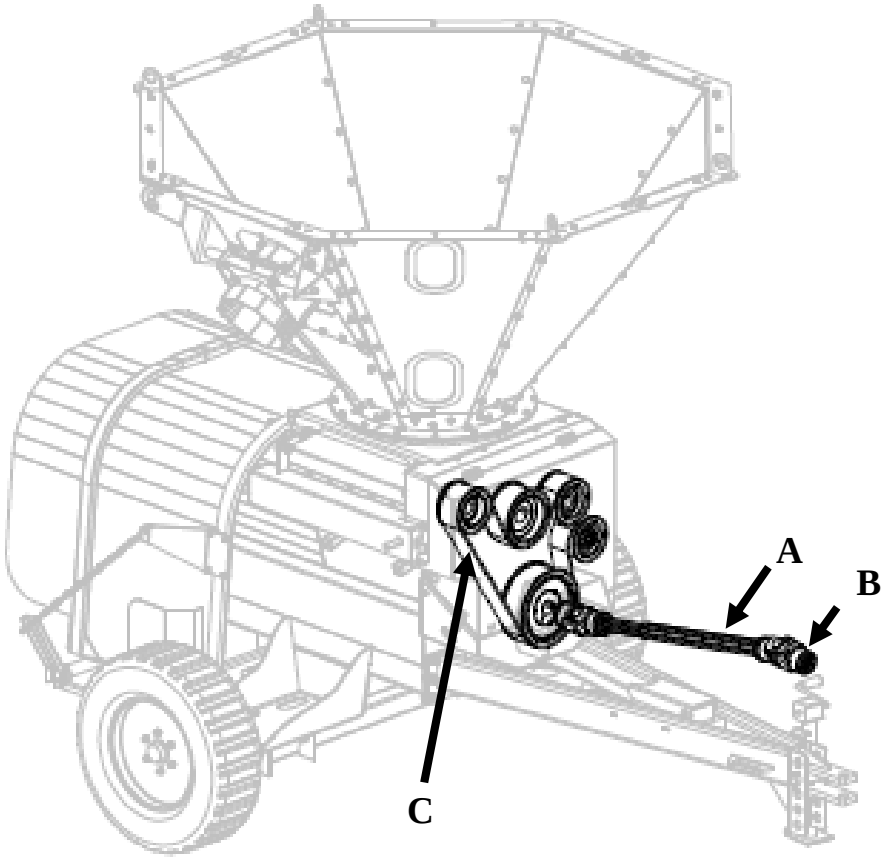


Figure 9.2 **Power Transmission System**

A. Universal Joint Shaft
B. Shear bolts
C. Timing belt

9.6.1. Universal Joint Shafts

The universal joint shaft (A) must be greased every 10 hours of use.

9.6.2. Timing belts

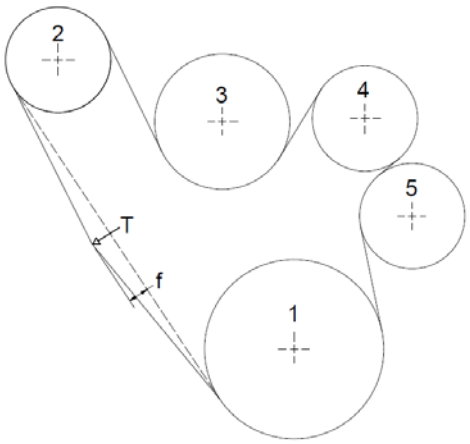
The belt must always be kept under adequate tension. If the belt is dirtied with oil it must be cleaned with an alkaline cleaner. Do not use oil or similar products to clean the belt.

The tension of the belt should be checked every 10 hours of use following first startup or the replacement of a belt. Afterwards, it is recommended to check the tension of the belt every 100 hours or once a year.

Checking the Tension of the Belts

- Open the mobile front guard.

The belts are correctly tightened when you get a displacement (f) of 9 mm (0.350 in) when applying a force (T) **(270 to 300 N, 60 to 70lb$_f$)** to the middle of a belt.



If the displacement of the belt is not 9 mm (0.350in) when applying the force (T), you must adjust the tension of the belts.

Force T: 270 to 300 Newton's (60 to 70 la$_b$)

Displacement f: 9 mm (0.350 in)

Adjusting the Tension of the Belts

The adjustment of the tension of the belt is done using a tensioning arm (A).

- Loosen the nut (D)
- Tighten the nut (B) so that the length of the spring (C) is **93 mm (3 11/16in)** for models GB-5 and GB-6.
- Tighten the nut (D)

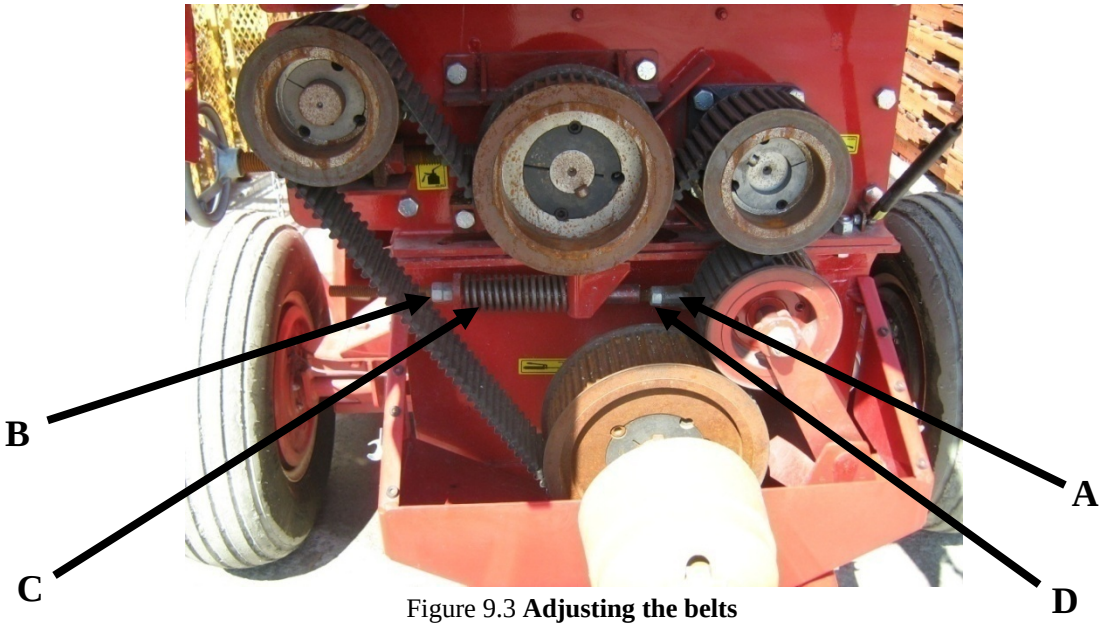


Figure 9.3 **Adjusting the belts**

9.6.3. Sheer bolt

The powertrain of the grain bagger is protected against overloading by a shear bolt (E).

Figure 9.4 **Shear bolt**

If the shear bolt is broken, only use shear bolts with the same characteristics as the original shear bolt (M10 x 60mm class 6.8 3/8 UNC GR.2 X 2 1/2’’). (See section 3 Technical information and Specifications).

When the shear bolt is broken, follow these steps:

- Stop the tractor, stop the power take-off, turn off the engine, and remove the key from the ignition switch.
- Remove the universal joint shaft from the PTO to access the shear bolt.
- Remove the foreign bodies that caused the overload. Check the crush rollers and the tube of the compression auger (See section 7 Troubleshooting).
- Replace the shear bolt.
- Replace the universal joint shaft on the PTO.
- Restart the PTO with the tractor engine running slowly.

9.6.4. Mechanical Adjustment of the Brakes

The brakes must be adjusted according to wear and the loss of performance. Follow this procedure:

- Raise the machine with a jack or a lift and support it well. Make sure that the drum and the wheel turn freely.

Be sure that the equipment you use to lift the machine has a sufficient capacity.

Danger!

- Remove the lid from the hole for the adjustment of the brakes from its place that is slotted in the bottom of the protective plate of the brakes.
- With a screwdriver, turn the star-shaped wheel for the adjustment mechanism to draw aside the brake shoes until the pressure against the drum is enough that the wheel becomes very difficult to turn.
- Then turn the star shaped adjustment wheel in the opposite direction until the wheels turn freely with a light friction from the pads.
- Replace the lid and drop the wheel to the ground.
- Repeat this procedure for the other wheel. For best results, all the brakes should have the same amount of play.

10. Optional equipment

10.1. Large Hopper

This option allows the operator to use a frontal loader to fill the hopper. This option bolts onto the top of the existing hopper.

Warning!

The panels must be folded inward during transport.

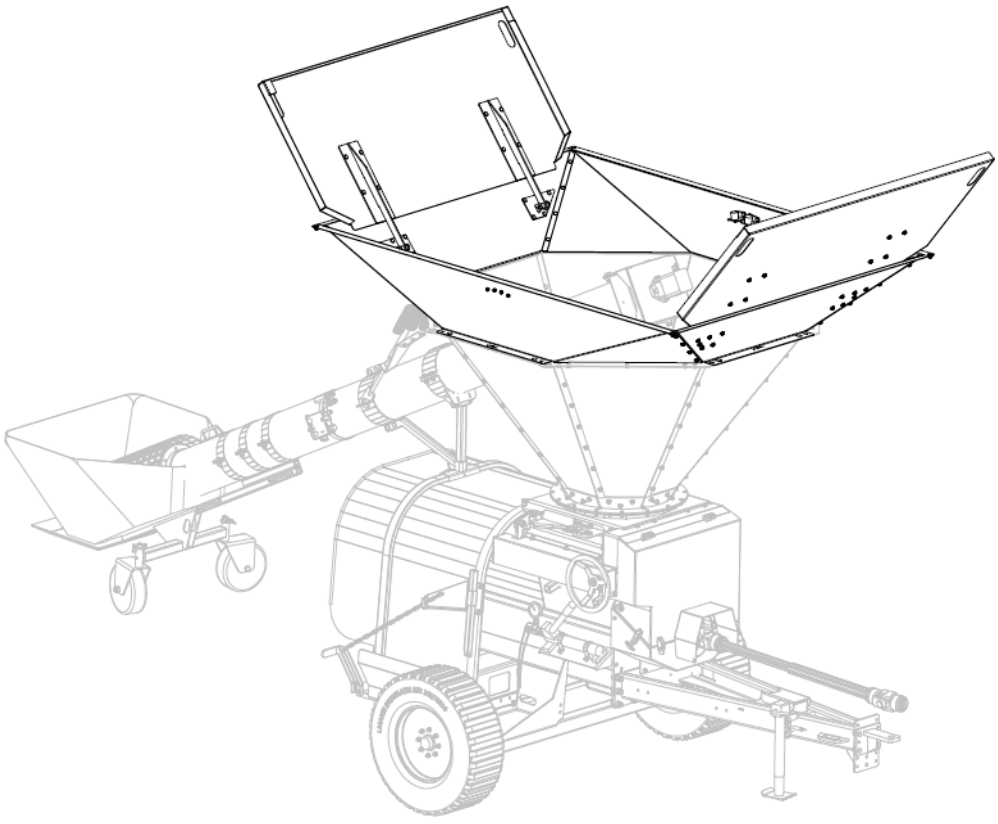


Figure 13.1 **Optional large hopper**

10.2. Preservative Sprayer system

This system allows you to preserve the grain at high quality. It is installed at the helm of the grain bagger. The system contains a 95 litre reservoir (25gal). The electric pump is 6.8l / m (1.8gal/min) and connected directly to the tractor's battery.

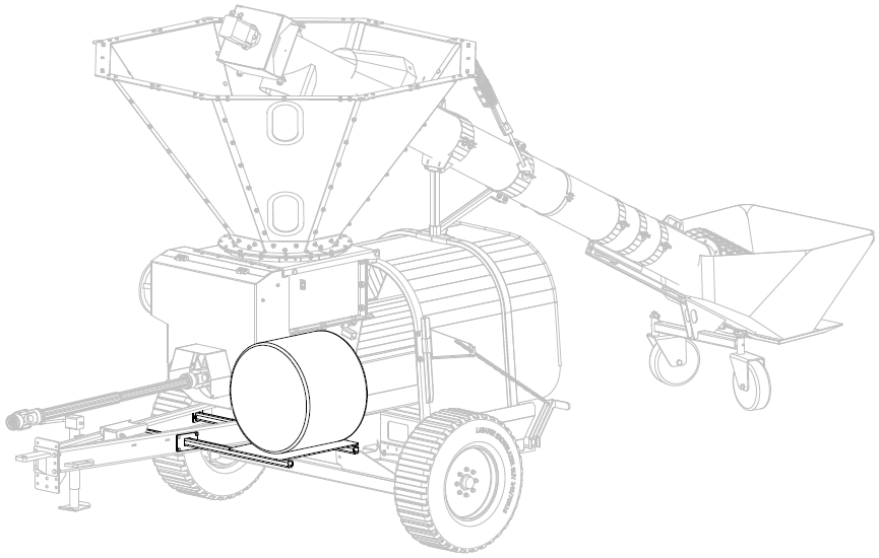


Figure 13.1 **Optional preservative sprayer system**

NOTE :	For any problem or questions, please refer to the operator's manual of the sprayer.

10.3. Road lights

These optional lights are boltable to the frame of the grain bagger and allow the machine to be transported safely on the road.

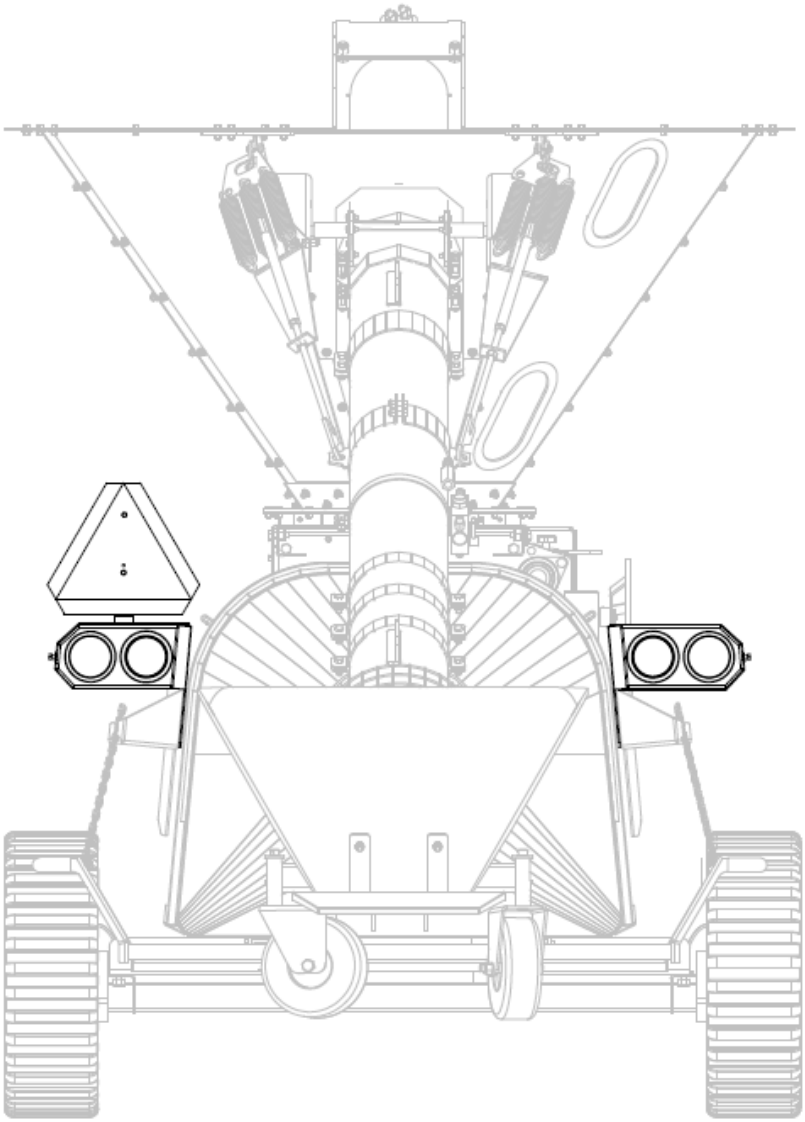


Figure 13.3 Optional road lights

11. Tightening Torque

TIGHTENING TORQUE FOR ENGLISH BOLTING

Diameter (inches)	0,25 1/4"	0,3125 5/16"	0,375 3/8"	0,4375 7/16"	0,5 1/2"	0,5625 9/16"	0,625 5/8"	0,75 3/4"	0,875 7/8"	1 1"
Normal Pitch										
THREADS/INCH (NC)	20	18	16	14	13	12	11	10	9	8
	TIGHTENING TORQUE in Lbs·ft (Multiply by 1.356 to obtain Nm)									
GRADE 2	6	12	22	35	54	78	107	191	N/A	
GRADE 5	10	20	36	57	87	126	173	308	496	743
GRADE 8	14	28	50	81	123	177	245	435	700	1050
Fine Pitch										
THREADS/INCH (NF)	28	24	24	20	20	18	18	16	14	14
	TIGHTENING TORQUE in Lbs·ft (Multiply by 1.356 to obtain Nm)									
GRADE 2	7	14	25	39	61	87	122	213	N/A	
GRADE 5	11	22	40	64	98	140	196	343	547	834
GRADE 8	16	31	57	90	139	198	277	485	773	1178

TIGHTENING TORQUE FOR METRIC BOLTING

Diameter (mm)	6 M6	8 M8	10 M10	12 M12	14 M14	16 M16	18 M18	20 M20	22 M22	24 M24
PITCH (mm)	1	1,25	1,5	1,75	2	2	2,5	2,5	2,5	3
	TIGHTENING TORQUE in N·m									
CLASS 4.6	5	11	22	39	62	96	133	188	256	325
CLASS 8.8	12	30	59	104	165	257	355	501	683	866
CLASS 10.9	18	44	87	152	243	377	521	736	1004	1272
CLASS 12.9	21	52	102	178	284	441	610	862	1175	1489
PITCH (mm)	0,75	1	1	1,25	1,5	1,5	1,5	1,5	1,5	1,5
	TIGHTENING TORQUE in N·m									
CLASS 4.6	5	12	25	42	67	103	149	209	281	369
CLASS 8.8	14	32	66	113	179	274	399	556	750	985
CLASS 10.9	20	47	97	166	262	402	585	817	1102	1447
CLASS 12.9	23	55	4	194	307	471	685	956	1290	1693

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www.grpanderson.com

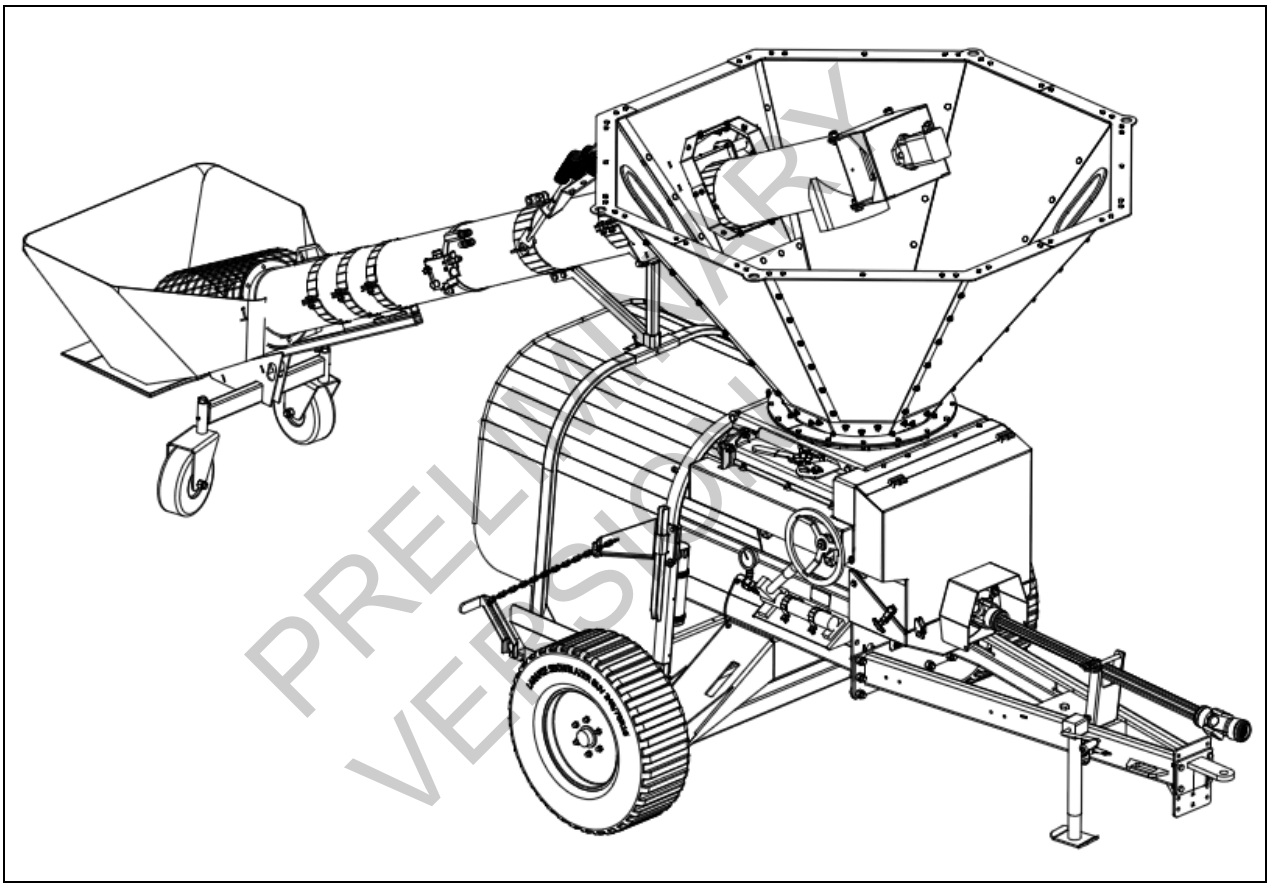
ANDERSON

The NutriWrap™ System

Parts manual

GRAIN BAGGER

GB-5 GB-6



ALWAYS KEEP THIS MANUAL WITH THE GRAIN BAGGER

Content

For any parts order, please use the parts manual to find the item(s) you need and contact your dealer to order it.

ANDERSON GROUP
5125 de la Plaisance
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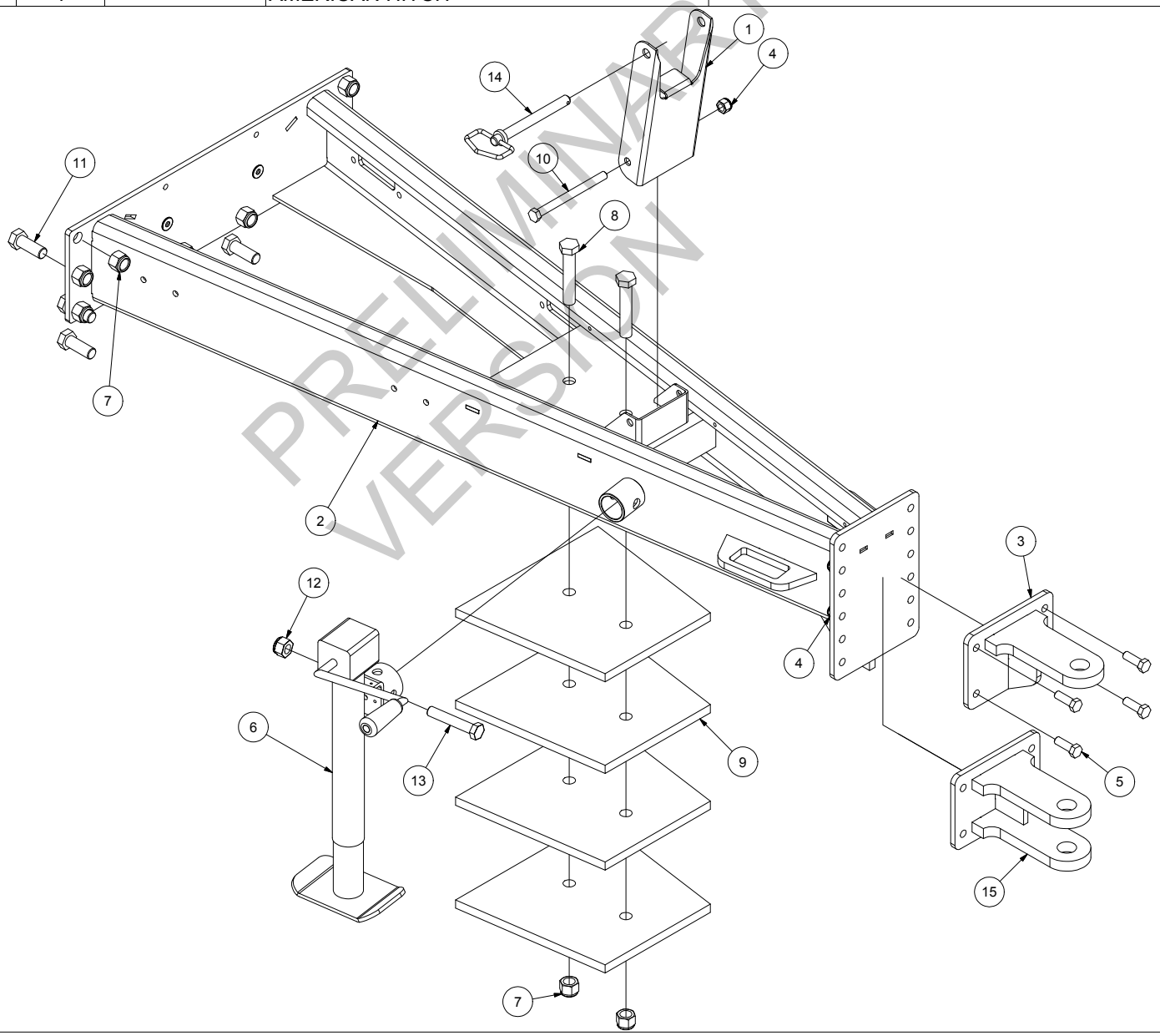
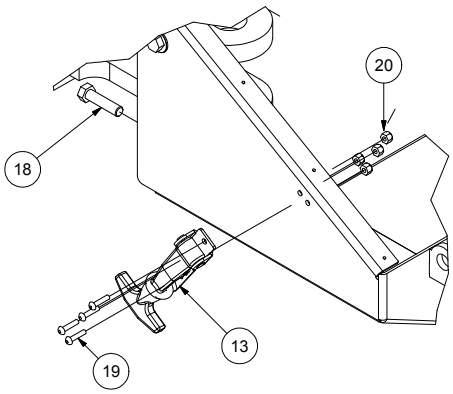
1 - TONGUE

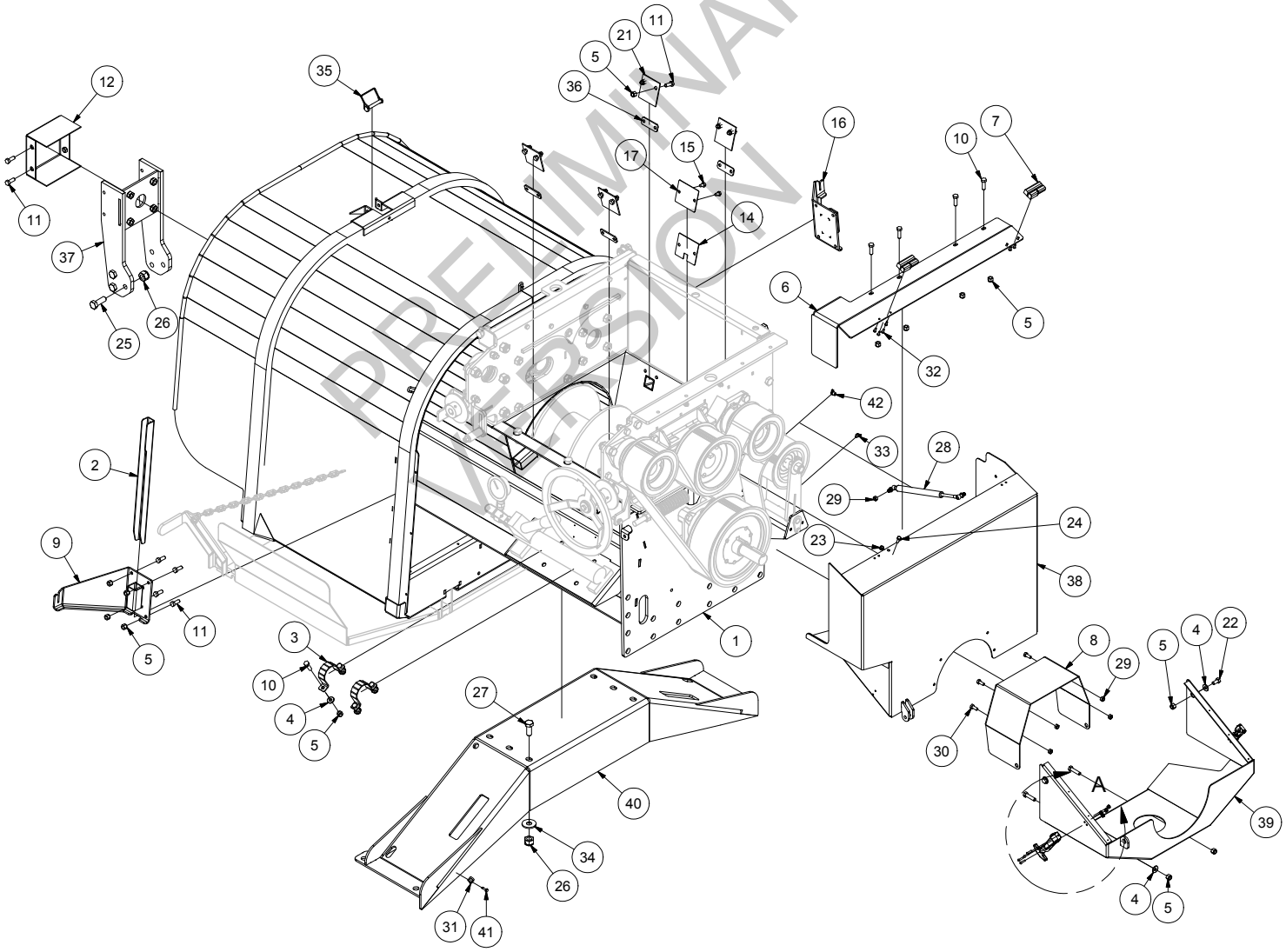
PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239004	PTO SUPPORT	
2	1	239003	TONGUE	
3	1	239076	EUROPEENNE HITCH	
4	1	501034	NYLON NUT	
5	4	500177	BOLT	
6	1	322457	JACK	
7	12	501036	NYLON NUT	
8	2	500293	BOLT	
9	4	239077	WEIGHT	18-11001 --> 18-11001-6 -->
10	1	500197	BOLT	
11	8	500285	BOLT	
12	1	501035	NYLON NUT	
13	1	500252	BOLT	
14	1		PIN	
15	1		AMERICAN HITCH	



2 - FRAME AND GUARDS



DETAIL A

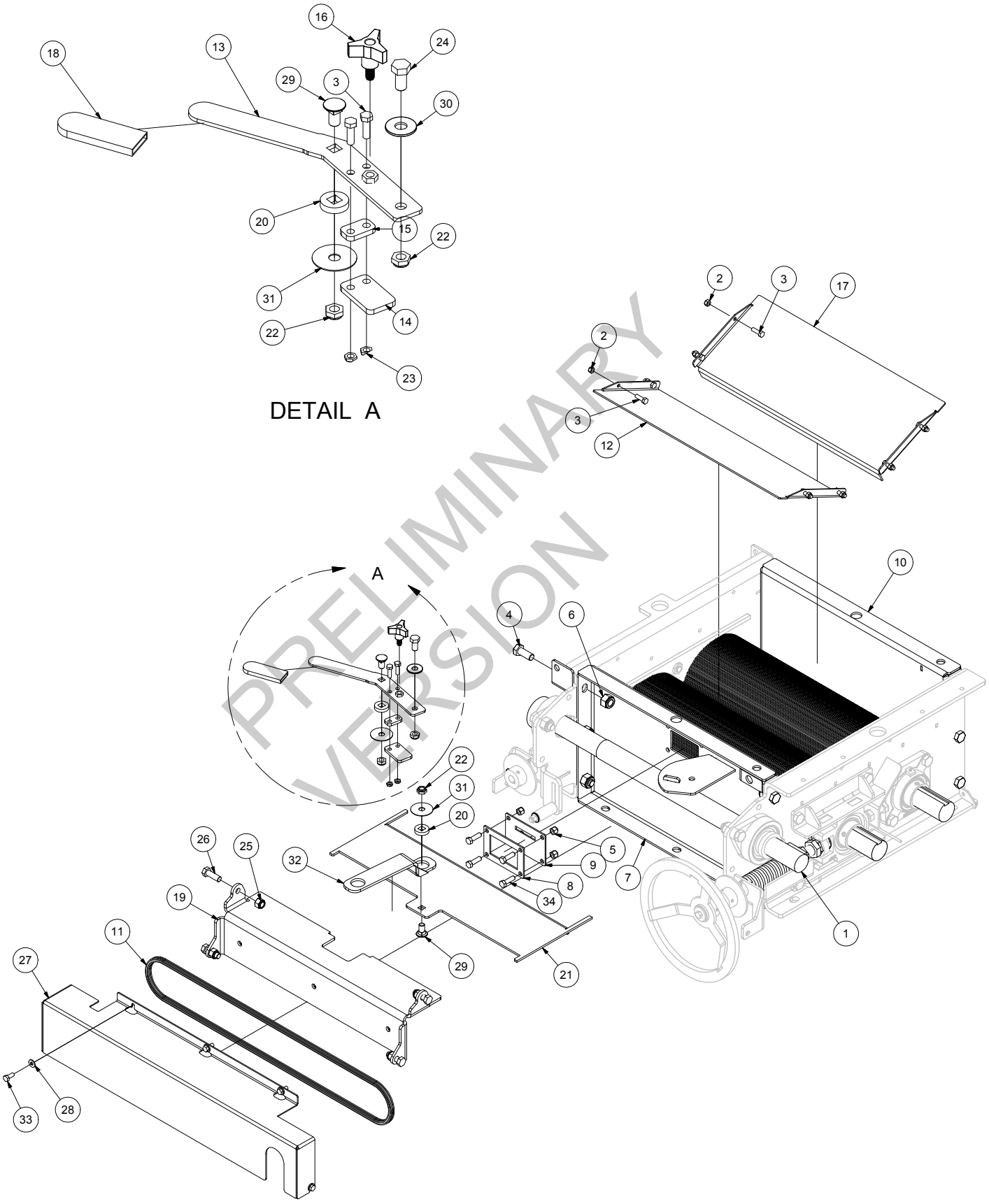


2 - FRAME AND GUARDS

ANDERSON

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239129-1	MAIN FRAME	18-11007 -->
1	1	239129	MAIN FRAME	18-11001 --> 18-11006
1	1	239132-1	MAIN FRAME	18-11010-C -->
1	1	239132	MAIN FRAME	18-11001-C --> 18-11009-C
1	1	239145	MAIN FRAME	18-11001-6 -->
1	1	239146	MAIN FRAME	18-11001-6C -->
2	2	239072	SAMPLER	
3	2	239078	HYDRAULIC PUMP SUPPORT	
4	8	502004	FLAT WASHER	
5	28	501032	NYLON NUT	
6	1	239011	GUARD SUPPORT	
7	2	467504	HINGE	
8	1	239009	PTO GUARD	
9	1	239005	RIGHT SAMPLER AND CHAIN SUPPORT	
10	16	500086	BOLT	
11	16	500084	BOLT	
12	1	239079	COMRPESSION SCREW REAR PROTECTOR	
13	2	325125	LATCH	
14	1	239123	PLATE FOR SPRAYER TIP	
15	2	500040	BOLT	
16	1	239147	LEFT CHAIN AND SAMPLER SUPPORT	
17	1	239124	PLATE	
18	2	500088	BOLT	
19	8	507087	BUTTON HEAD SCREW	
20	8	501050-1	NYLON NUT	
21	4	239013	RUBBER	
22	10	500082	BOLT	
23	1	501030	NYLON NUT	
24	1	500004	BOLT	
25	6	500245	BOLT	
26	6	501035	NYLON NUT	
27	23	500243	BOLT	
28	1	470103	CYLINDER	
29	6	501031	NYLON NUT	
30	4	500042	BOLT	
31	6	320068-2	LOOP CLAMP	
32	8	507089	BUTTON HEAD SCREW	
33	1	322299-1	GREASE FITTING	
34	11	502008	FLAT WASHER	
35	1	320018	LOCK PIN	
36	4	239144	RUBBER VALVE SUPPORT	
37	1	239080-1	WORM REAR SUPPORT	18-11007 --> 18-11010-C -->
37	1	239080	WORM REAR SUPPORT	18-11001 -->18-11006 18-11001-C --> 18-11009-C
38	1	239130	HIGHER FRONT GUARD	
39	1	239131	LOWER FRONT GUARD	
40	1	239148	AXLE SUPPORT	18-11010 --> 18-11001-6 -->
40	1	239149	AXLE SUPPORT	18-11010-C --> 18-11001-6C -->
41	6	507026	SELF-DRILLING SCREW	
42	1	322294	GREASE FITTING	

3 - ROLLER CASE (1)

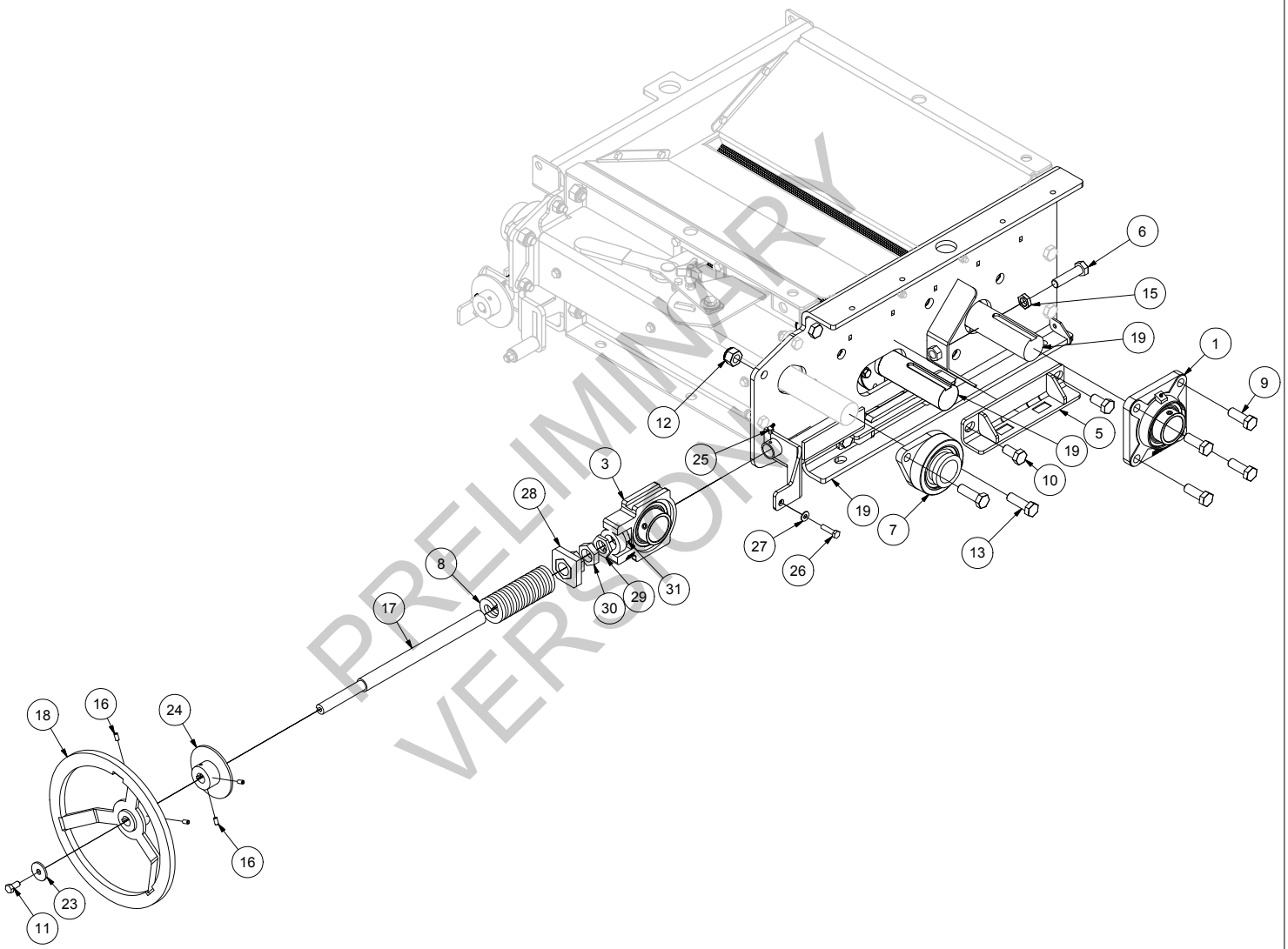


3 - ROLLER CASE (1)

ANDERSON

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	486307	SHAFT	18-11001 --> 18-11001-6 -->
1	1	486321	SHAFT	18-11001-C --> 18-11001-6C -->
2	8	501031	NYLON NUT	
3	10	500044	BOLT	
4	9	500243	BOLT	
5	4	501032	NYLON NUT	
6	9	501035	NYLON NUT	
7	1	239081	CASE RIGHT PANEL	18-11001 --> 18-11001-6 -->
7	1	239133	CASE RIGHT PANEL	18-11001-C --> 18-11001-6C -->
8	1	239082	PLATE	
9	1	239020	RUBBER PLATE	
10	1	239083	CASE LEFT PANEL	18-11001 --> 18-11001-6 -->
10	1	239134	CASE LEFT PANEL	18-11001-C --> 18-11001-6C -->
11	1	302554	CHAIN	
12	1	239084	DEFLECTOR	18-11001 --> 18-11001-6 -->
12	1	239136	DEFLECTOR	18-11001-C --> 18-11001-6C -->
13	1	239086	HANDLE	
14	1	239087	SUPERIOR SPACER	
15	1	239088	INFERIOR SPACER	
16	1	325133	THREADED HANDLE	
17	1	239085	DEFLECTOR WITH FLANGE	18-11001 --> 18-11001-6 -->
17	1	239135	DEFLECTOR WITH FLANGE	18-11001-C --> 18-11001-6C -->
18	1		RUBBER HANDLE	18-11001 --> 18-11001-6 -->
19	1	239089	REINFORCEMENT	18-11001-C --> 18-11001-6C -->
19	1	239137	REINFORCEMENT	
20	2	239090	BUSHING	
21	1	239093	TRAP	18-11001 --> 18-11001-6 -->
21	1	239139	TRAP	18-11001-C --> 18-11001-6C -->
22	3	501054	HALF NYLON NUT	
23	2	501031-1	HALF NYLON NUT	
24	1	500173	BOLT	
25	4	501034	NYLON NUT	
26	4	500177	BOLT	
27	1	239091	CHAIN GUARD	18-11001 --> 18-11001-6 -->
27	1	239138	CHAIN GUARD	18-11001-C --> 18-11001-6C -->
28	5	502014	FLAT WASHER	
29	2	500500	CARRIAGE BOLT	
30	1	502006	FLAT WASHER	
31	2	502004-2	FLAT WASHER	
32	1	239092	ARM	
33	3	500042	BOLT	
34	4	500086	BOLT	

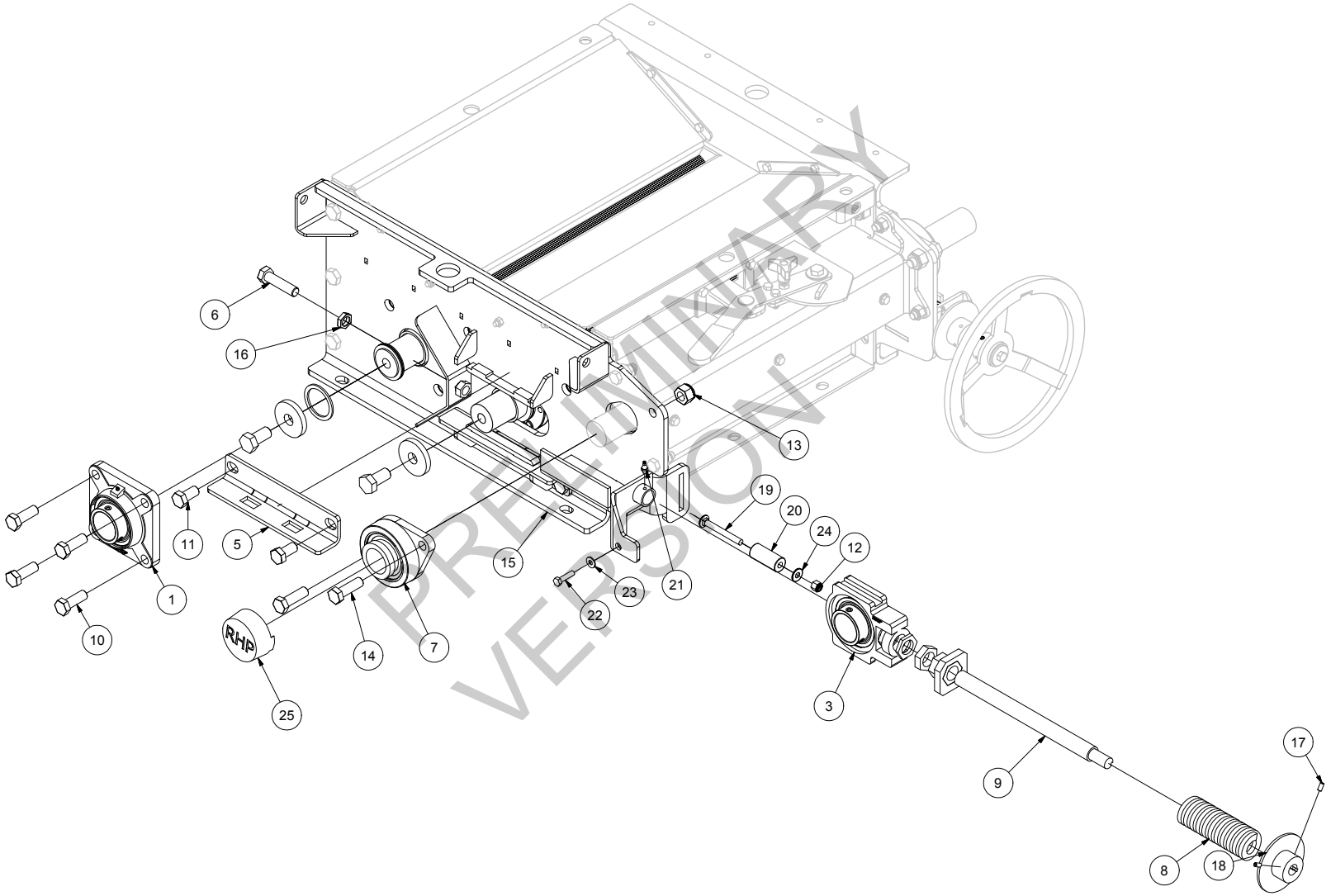
3 - ROLLER CASE (2)



3 - ROLLER CASE (2)

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	303067	BEARING	18-11001 --> 18-11001-6 -->
2	1	303071	BEARING	18-11001-C --> 18-11001-6C -->
3	1	303066	BEARING TAKE-UP UNIT	18-11001 --> 18-11001-6 -->
4	1	303073	BEARING TAKE-UP UNIT	18-11001-C --> 18-11001-6C -->
5	2	239024	BEARING TAKE-UP GUIDE	
6	1	500248	BOLT	
7	1	303065	BEARING	
8	1	304057	SPRING	
9	4	500245	BOLT	
10	4	500241	BOLT	
11	1	500082	BOLT	
12	6	501035	NYLON NUT	
13	2	500246	BOLT	
19	1	239094	FRONT SHEET METAL ROLLER	
15	1	501113	NUT	
16	4	507003	ALLEN SET SCREW	
17	1		THREADED ROD	
18	1	239028	HAND WHEEL	
19	2	TE-RCC	WHEAT ROLLERS	18-11001 --> 18-11001-6 -->
20	2	TE-RCM	CORN ROLLERS	18-11001 --> 18-11001-6 -->
21	2	TE-RCC10	WHEAT ROLLERS	18-11001-C --> 18-11001-6C -->
22	2	TE-RCM10	CORN ROLLERS	18-11001-C --> 18-11001-6C -->
23	1	239095	WASHER	
24	1	239097	SPROCKET	
25	1	322299-1	GREASE FITTING	
26	1	500046	BOLT	
27	1	502014	FLAT WASHER	
28	2	239158	RESSORT IDLER	
29	2	501087/HALF	NUT	
30	2	501087	NUT	
31	2	501106	NYLON NUT	

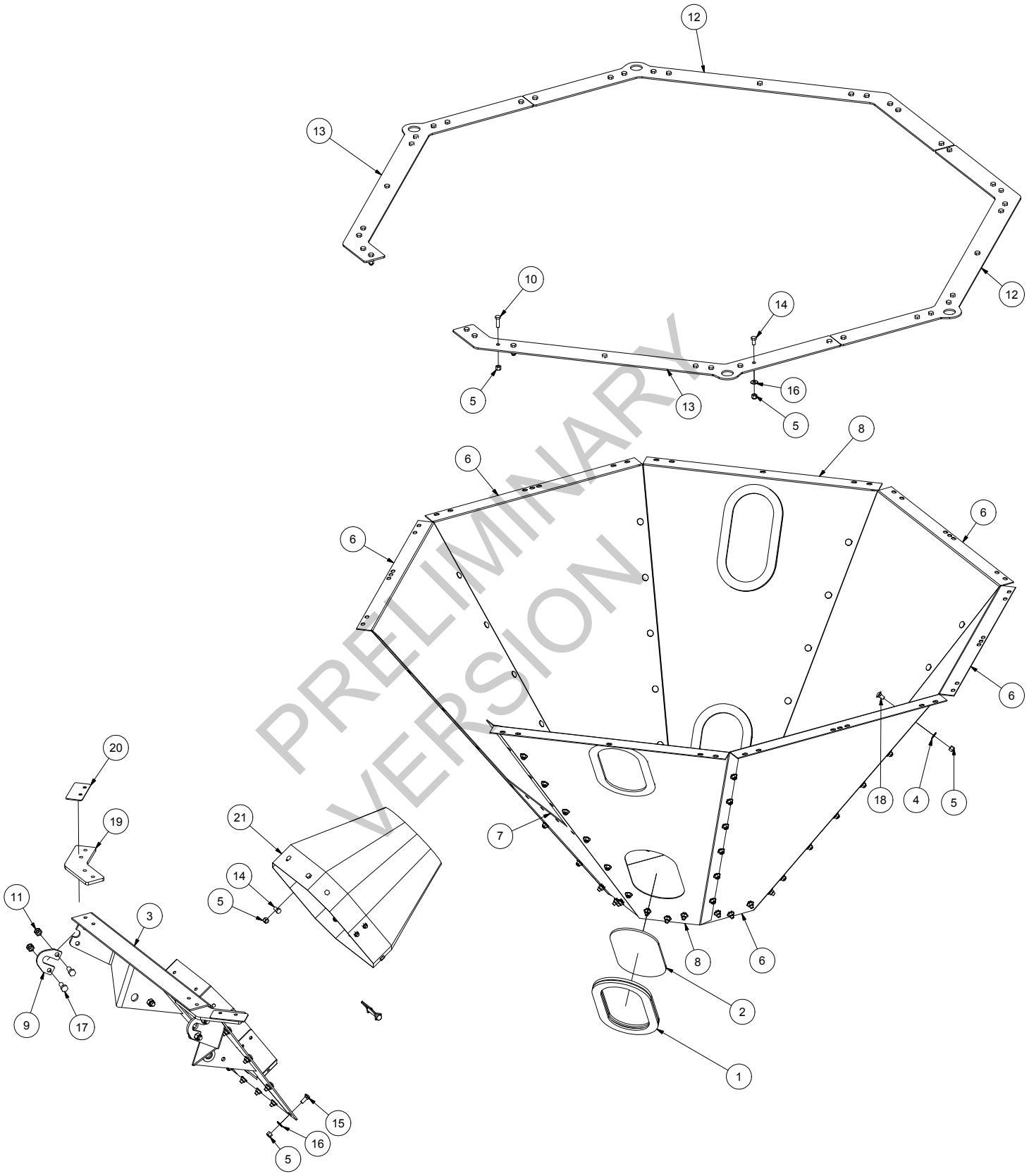
3 - ROLLER CASE (3)



3 - ROLLER CASE (3)

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	303067	BEARING	18-11001 --> 18-11001-6 -->
2	1	303071	BEARING	18-11001-C --> 18-11001-6C -->
3	1	303066	BEARING TAKE-UP UNIT	18-11001 --> 18-11001-6 -->
4	1	303073	BEARING TAKE-UP UNIT	18-11001-C --> 18-11001-6C -->
5	2	239024	BEARING TAKE-UP GUIDE	
6	1	500248	BOLT	
7	1	303065	BEARING	
8	1	304057	SPRING	
9	1	486301	THREADED ROD	
10	4	500245	BOLT	
11	4	500241	BOLT	
12	1	501032	NYLON NUT	
13	6	501035	NYLON NUT	
14	2	500246	BOLT	
15	1	239098	REAR SHEET METAL ROLLER	
16	1	501113	NUT	
17	4	507003	ALLEN SET SCREW	
18	1	239097	SPROCKET	
19	1	500451	CARRIAGE BOLT	
20	1	239099	IDLER	
21	2	322299-1	GREASE FITTING	
22	2	500046	BOLT	
23	5	502014	FLAT WASHER	
24	1	502004	FLAT WASHER	
25	1		BEARING PROTECTOR	
26	2	239158	RESSORT IDLER	
27	2	501087/HALF	NUT	
28	2	501087	NUT	
29	2	501057-1	NYLON NUT	

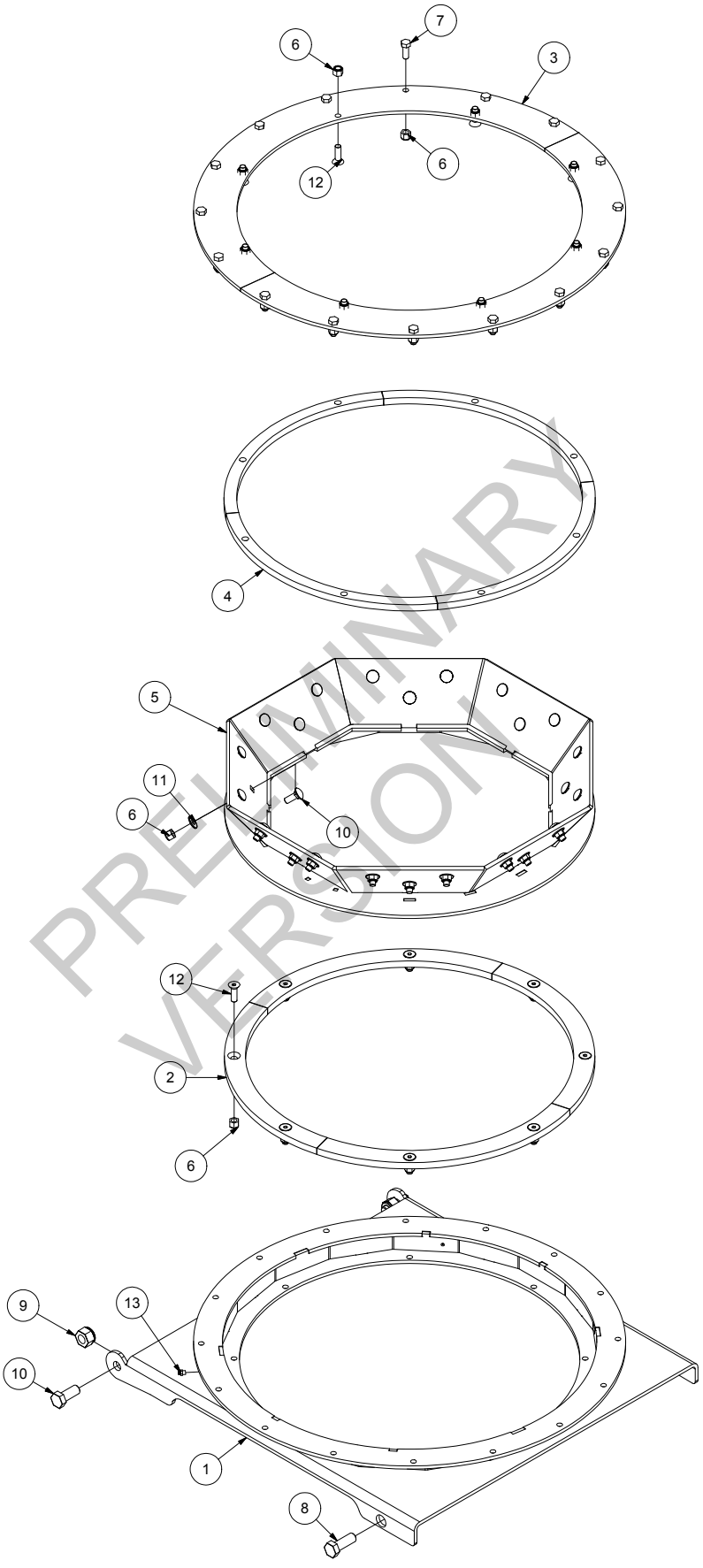
4 - HOPPER



4 - HOPPER

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	4	325053	RUBBER WINDOW CONTOUR
2	4	486310	WINDOW
3	1	---	LOADING SCREW PIVOT PANEL (SEE SECTION 9)
4	93	502004	FLAT WASHER
5	143	501032	NYLON NUT
6	5	239100	PANEL
7	1	239101	LOADING SCREW PIVOT PANEL
8	2	239102	WINDOW PANEL
9	2	239036	SPRING SUPPORT
10	8	500086	BOLT
11	4	501034	NYLON NUT
12	2	239103	HOPPER REINFORCEMENT
13	2	239104	PIVOT HOPPER REINFORCEMENT
14	34	500082	BOLT
15	37	500442	CARRIAGE BOLT
16	45	502024	FLAT WASHER
17	4	500175	BOLT
18	48	500440	CARRIAGE BOLT
19	2	239037	SCREW PIVOT PANEL SUPPORT
20	2	239031	SPACER
21	1		CANVAS

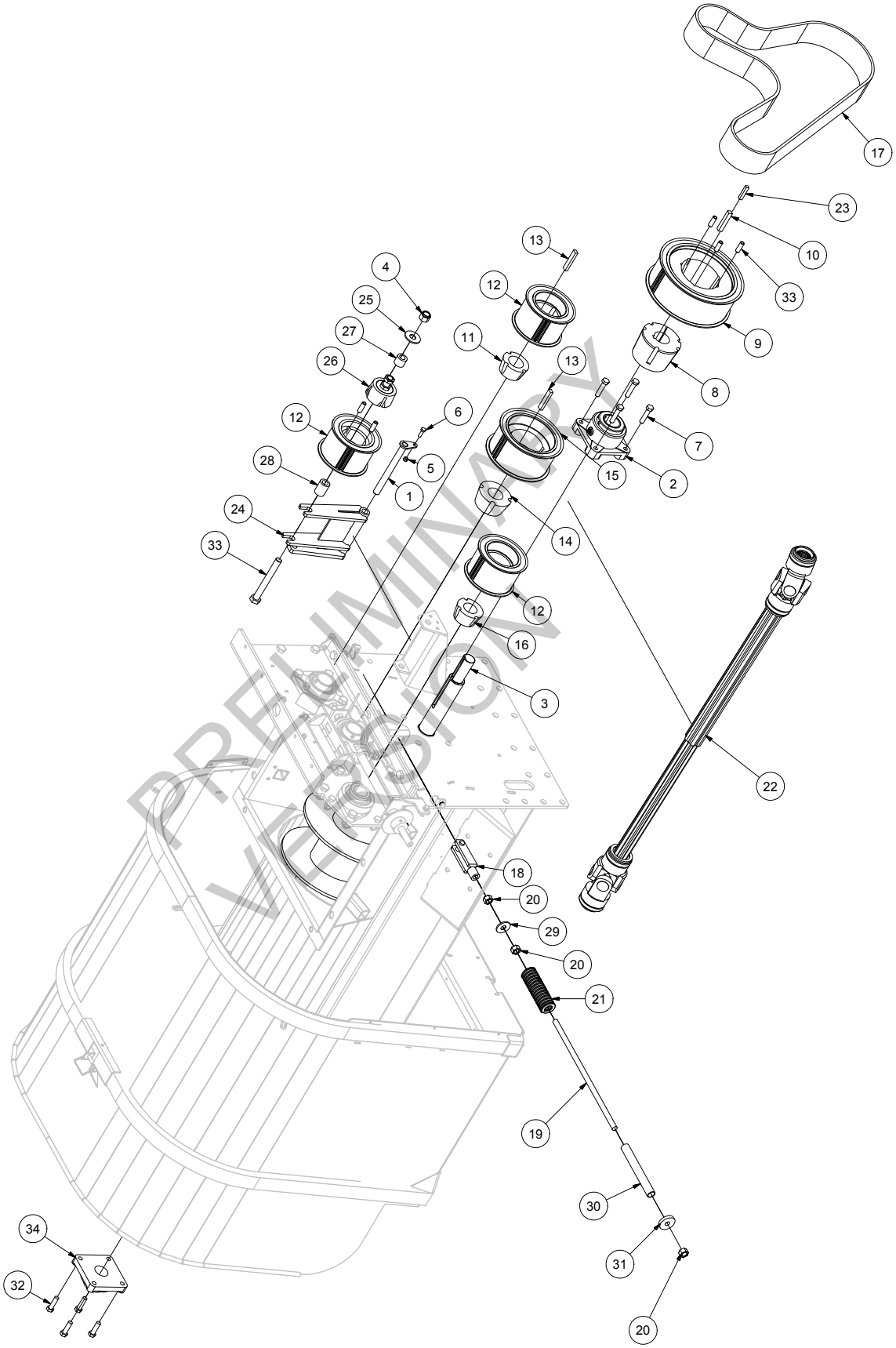
5 - CENTRAL PIVOT



5 - CENTRAL PIVOT

ANDERSON

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239105	COVER	18-11001 --> 18-11001-6 -->
1	1	239140	COVER	18-11001-C --> 18-11001-6C -->
2	4	486309	INFERIOR TEFLON	
3	2	239042	RING	
4	4	486308	SUPERIOR TEFLON	
5	1	239043	PIVOT RING	
6	56	501032	NYLON NUT	
7	16	500084	BOLT	
8	4	500245	BOLT	
9	2	501035	NYLON NUT	
10	2	500243	BOLT	
10	24	500442	CARRIAGE BOLT	
11	24	502024	FLAT WASHER	
12	16	507053-1	BOLT	
13	4	322299	GREASE FITTING	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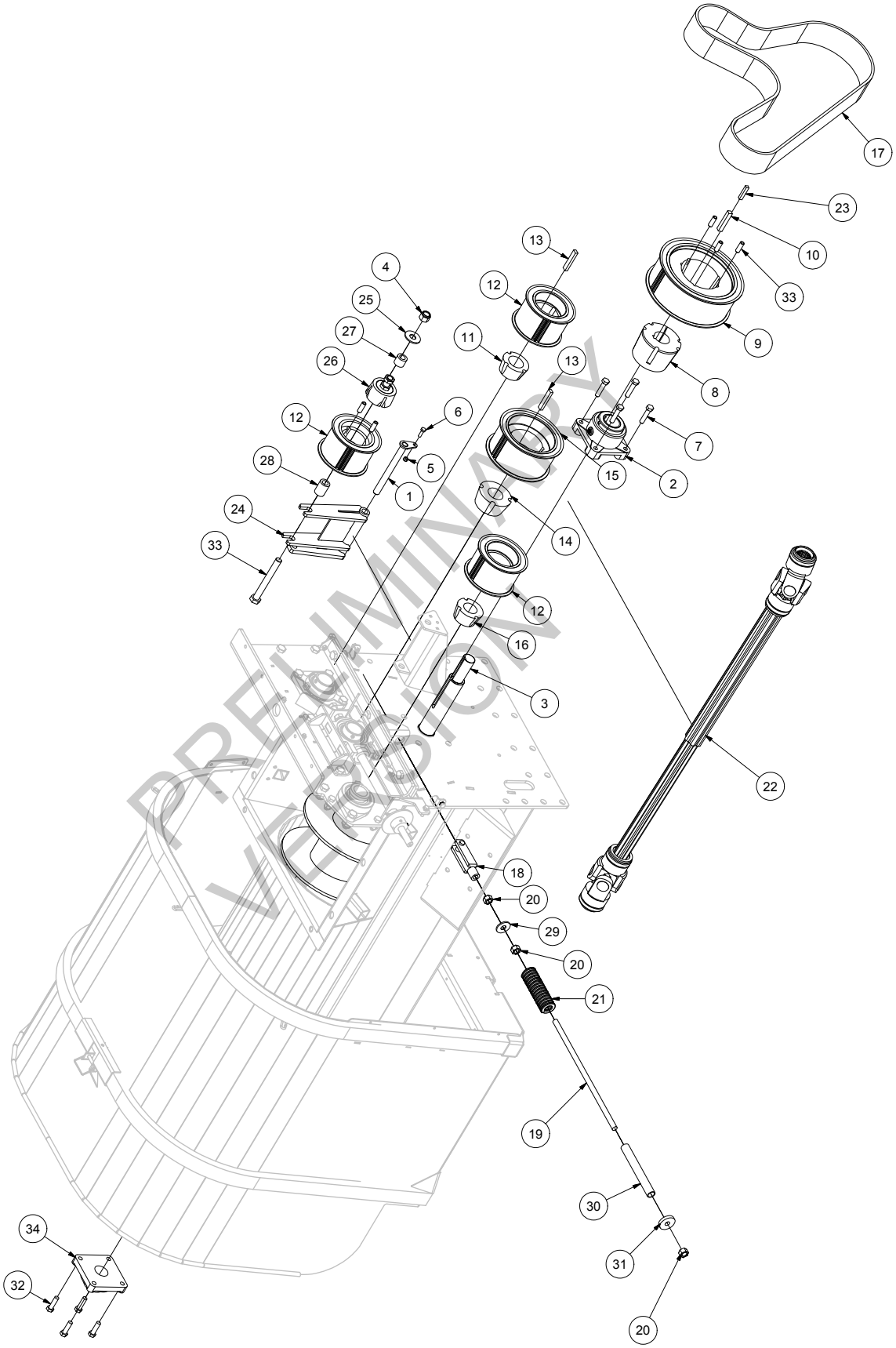
PRELIMINARY VERSION

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239046	PIN	
2	1	303069	BEARING UNIT	
3	1		AUGER	
4	1	501036	NYLON NUT	
5	1	501031	NYLON NUT	
6	1	500044	BOLT	
7	6	500181	BOLT	
8	1	301205	BUSHIING TAPER	
9	1	325049	PULLEY	
10	1	206806	KEY	
11	1	301207	BUSHING TAPER	
12	3	325052	PULLEY	
13	2	325143	KEY	
14	1	301208	BUSHING TAPER	
15	1	325048	PULLEY	
16	1	301206	BUSHING TAPER	
17	1	322609	BELT	
18	1	467507	THREADED ROD END	
19	1	239108	THREADED ROD	
20	2	501005	NUT	
21	1	304039	SPRING	
22	1	325101-1	PTO	
23	1	320011	KEY	
24	1	239107	TENSIONER SUPPORT	
25	1	502009	FLAT WASHER	
26	1	301107	IDLER BUSHING TAPER	
27	1	486312	SPACER BUSHING	
28	1	486311	SPACER BUSHING	
29	1	502008	FLAT WASHER	
30	1	239151	TUBE	
31	1	239150	WASHER	
32	4	500179	BOLT	
33	1	500301	BOLT	
34	1	303081	BEARING	
35	6	507035	ALLEN SET SCREW	
216	1			
217	1			
218	1			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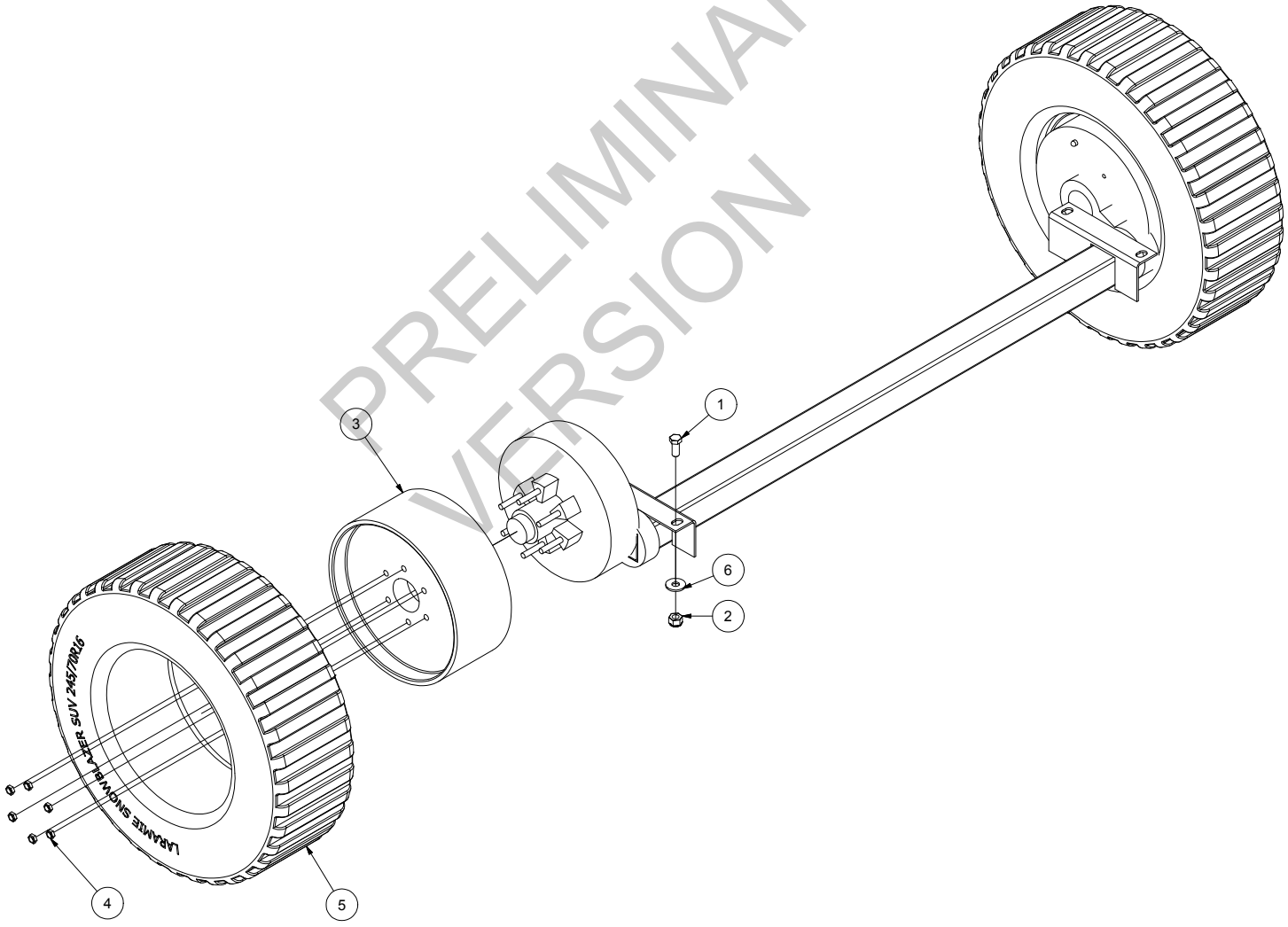
32
PRELIMINARY VERSION

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239046	PIN	
2	1	303069	BEARING UNIT	
3	1		AUGER	
4	1	501036	NYLON NUT	
5	1	501031	NYLON NUT	
6	1	500044	BOLT	
7	6	500181	BOLT	
8	1	301205	BUSHIING TAPER	
9	1	325049	PULLEY	
10	1	206806	KEY	
11	1	301207	BUSHING TAPER	
12	3	325052	PULLEY	
13	2	325143	KEY	
14	1	301208	BUSHING TAPER	
15	1	325048	PULLEY	
16	1	301206	BUSHING TAPER	
17	1	322609	BELT	
18	1	467507	THREADED ROD END	
19	1	239108	THREADED ROD	
20	2	501005	NUT	
21	1	304039	SPRING	
22	1	325101-1	PTO	
23	1	320011	KEY	
24	1	239107	TENSIONER SUPPORT	
25	1	502009	FLAT WASHER	
26	1	301107	IDLER BUSHING TAPER	
27	1	486312	SPACER BUSHING	
28	1	486311	SPACER BUSHING	
29	1	502008	FLAT WASHER	
30	1	239151	TUBE	
31	1	239150	WASHER	
32	4	500179	BOLT	
33	1	500301	BOLT	
34	1	303081	BEARING	
35	6	507035	ALLEN SET SCREW	

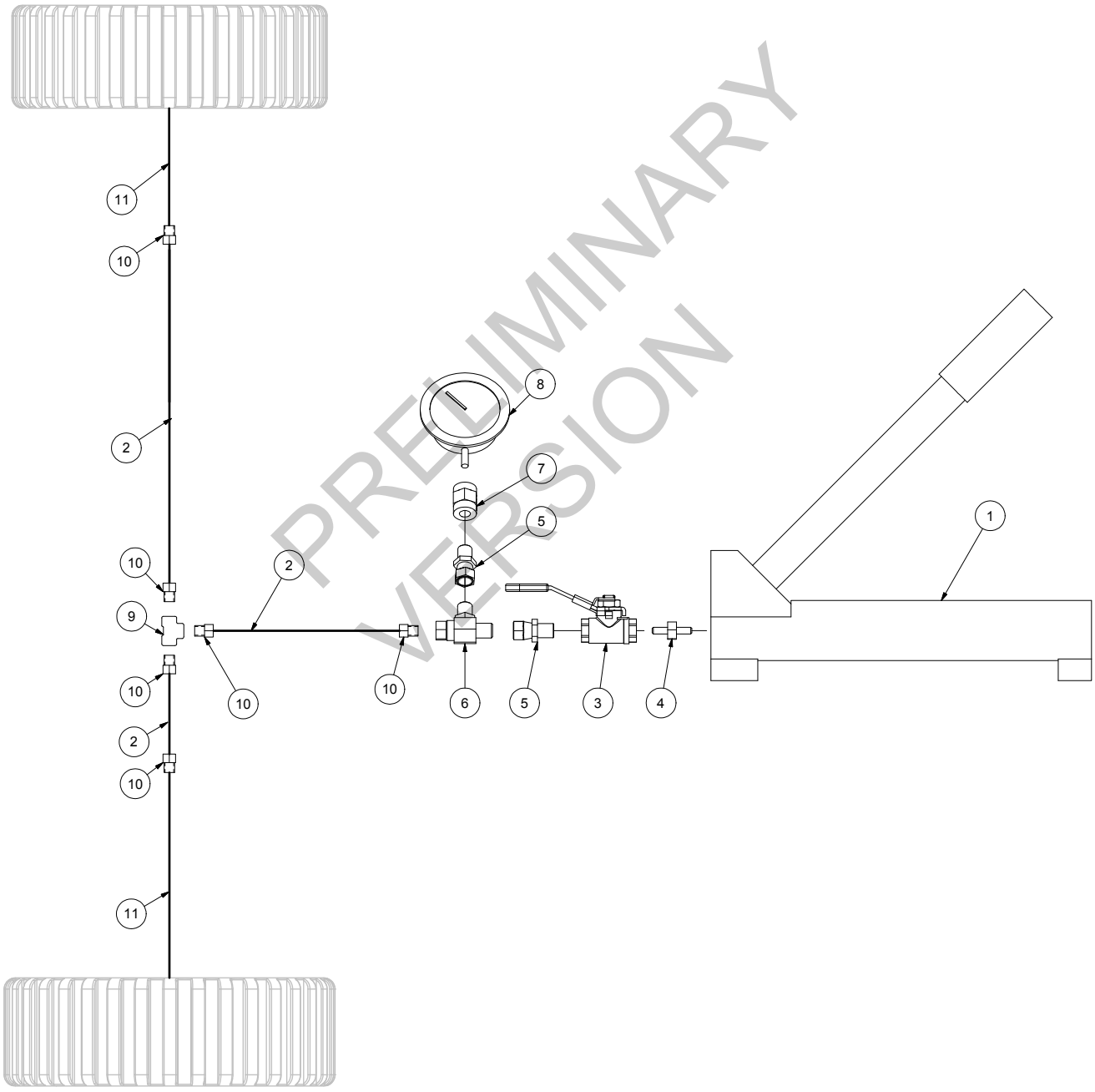
7 - AXLE

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	4	500243	BOLT	
2	4	501035	NYLON NUT	
3	2		RIM	18-11001 --> 18-11001-6 -->
3	2		RIM	18-11001-C --> 18-11001-6C -->
4	12	501044	JAM NUT	
5	2		TIRE	18-11001 --> 18-11001-6 -->
5	2		TIRE	18-11001-C --> 18-11001-6C -->
6	4	502008	FLAT WASHER	
7	1	481110	AXLE	18-11001 -->
7	1		AXLE	18-11001-6 -->
7	1	481113	AXLE	18-11001-C -->
7	1		AXLE	18-11001-6C -->
7	1	481117	AXLE	18-11011 --->



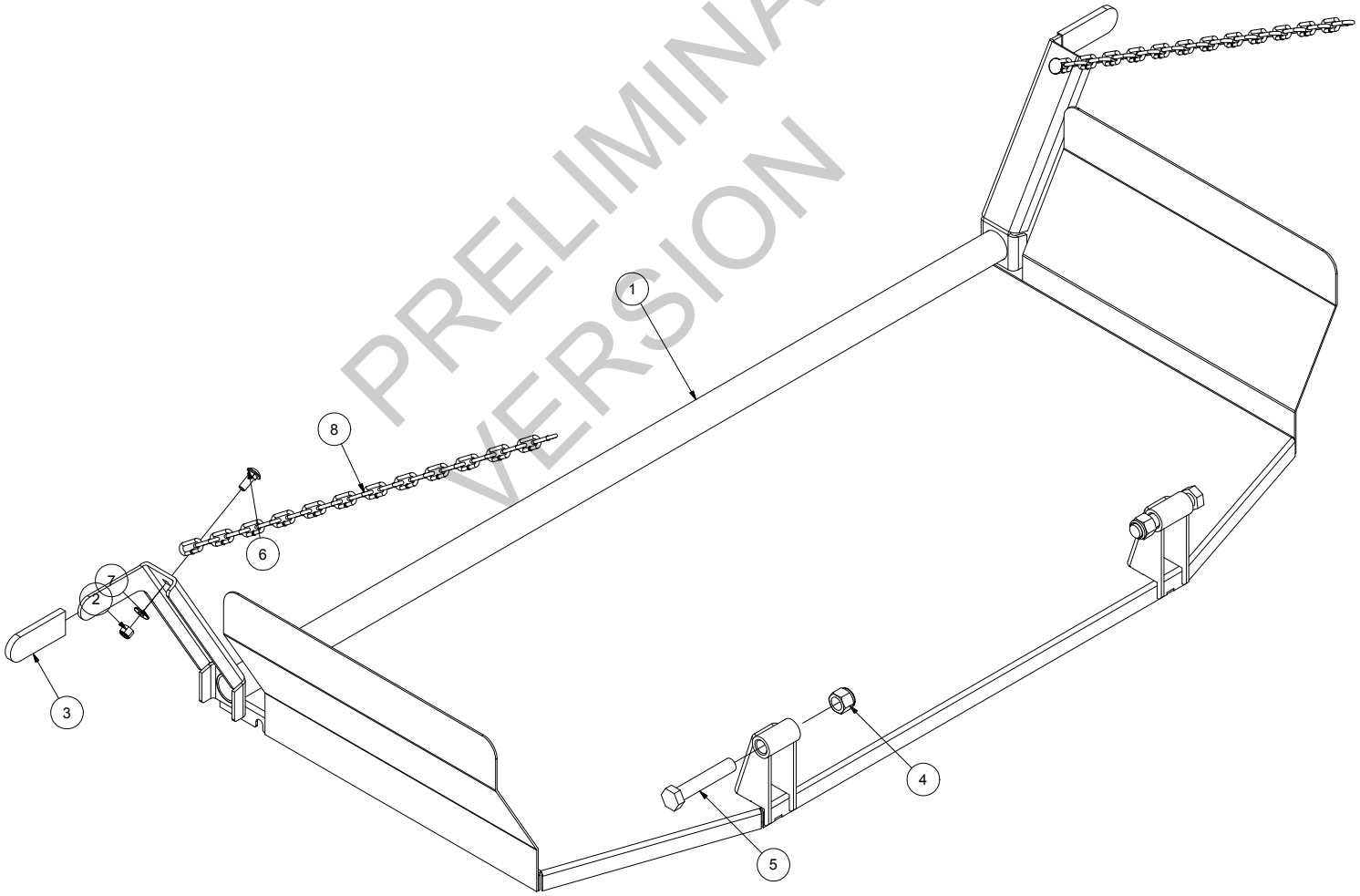
8 - HYDRAULIC BRAKE

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	468501	MANUEL HYDRAULIC PUMP	
2	1		HYDRAULIC HOSE	
3	1		BALL VALVE	
4	1	450002	HYDRAULIC FITTING	
5	2	450993	HYDRAULIC FITTING	
6	1	450972	HYDRAULIC FITTING	
7	1	450102	HYDRAULIC FITTING	
8	1	470016	PRESSURE GAGE	
9	1		HYDRAULIC FITTING	
10	6		HYDRAULIC FITTING	
11	2		HYDRAULIC HOSE	

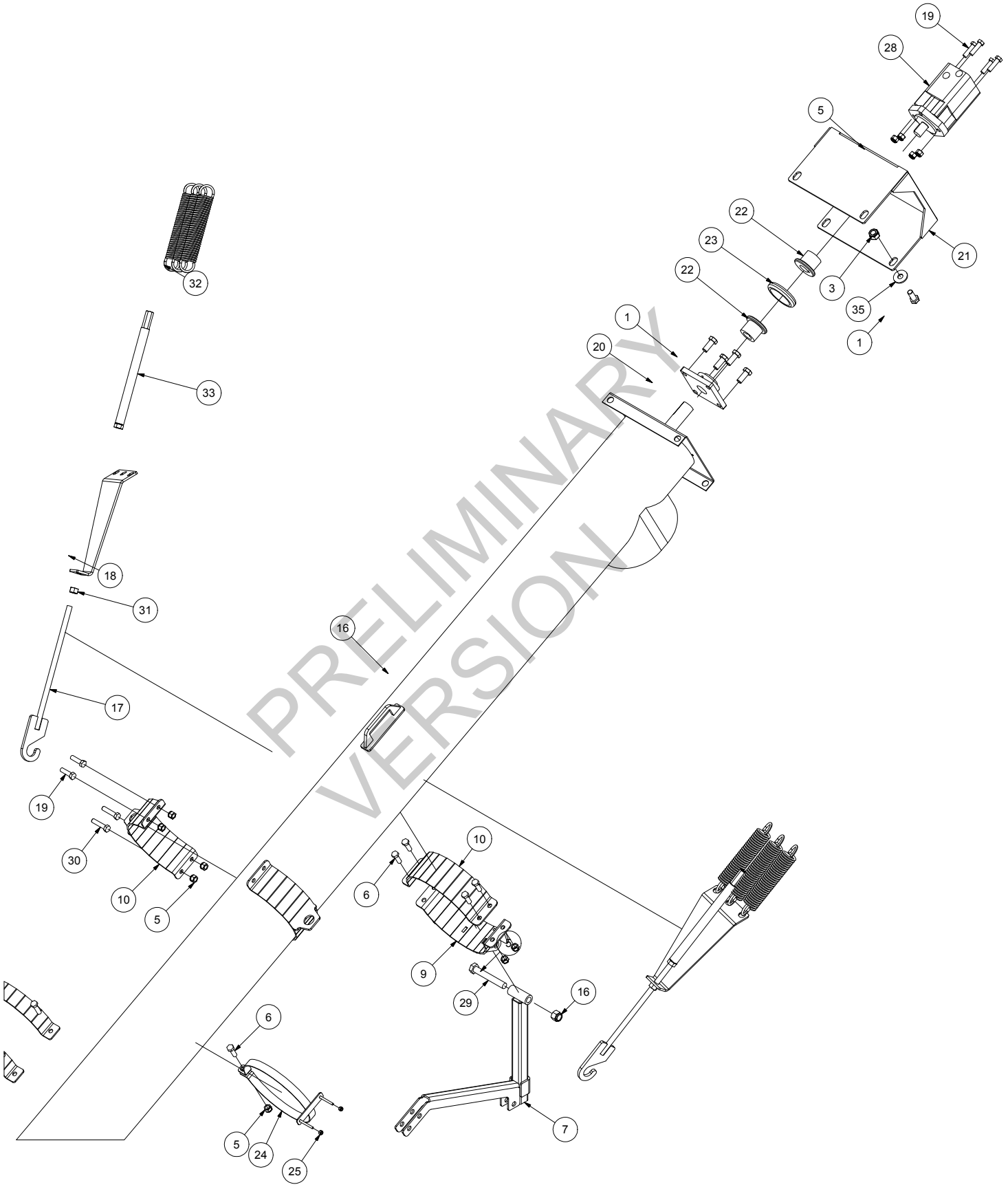


9 - REAR TRAY

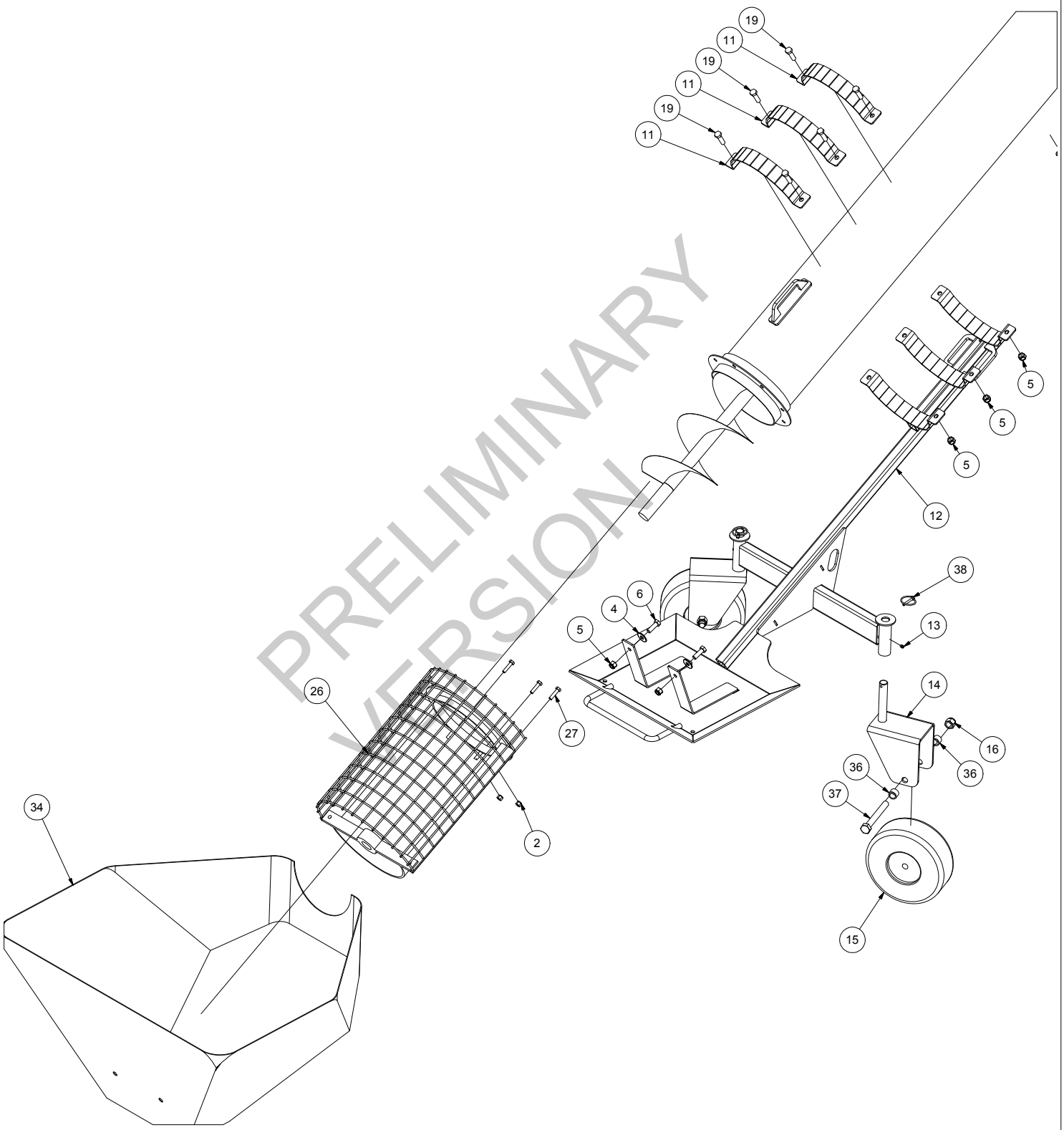
PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239109	REAR TRAY	18-11001 --> 18-11001-C -->
1	1	239152	REAR TRAY	18-11001-6 --> 18-11001-6C -->
2	2	501032	NYLON NUT	
3	2		RUBBER HANDLE	
4	2	501036	NYLON NUT	
5	2	500293	BOLT	
6	2	500442	CARRIAGE BOLT	
7	2	502024	FLAT WASHER	
8	10	302078	CHAIN	



10 - TOP OF THE LOADING SCREW



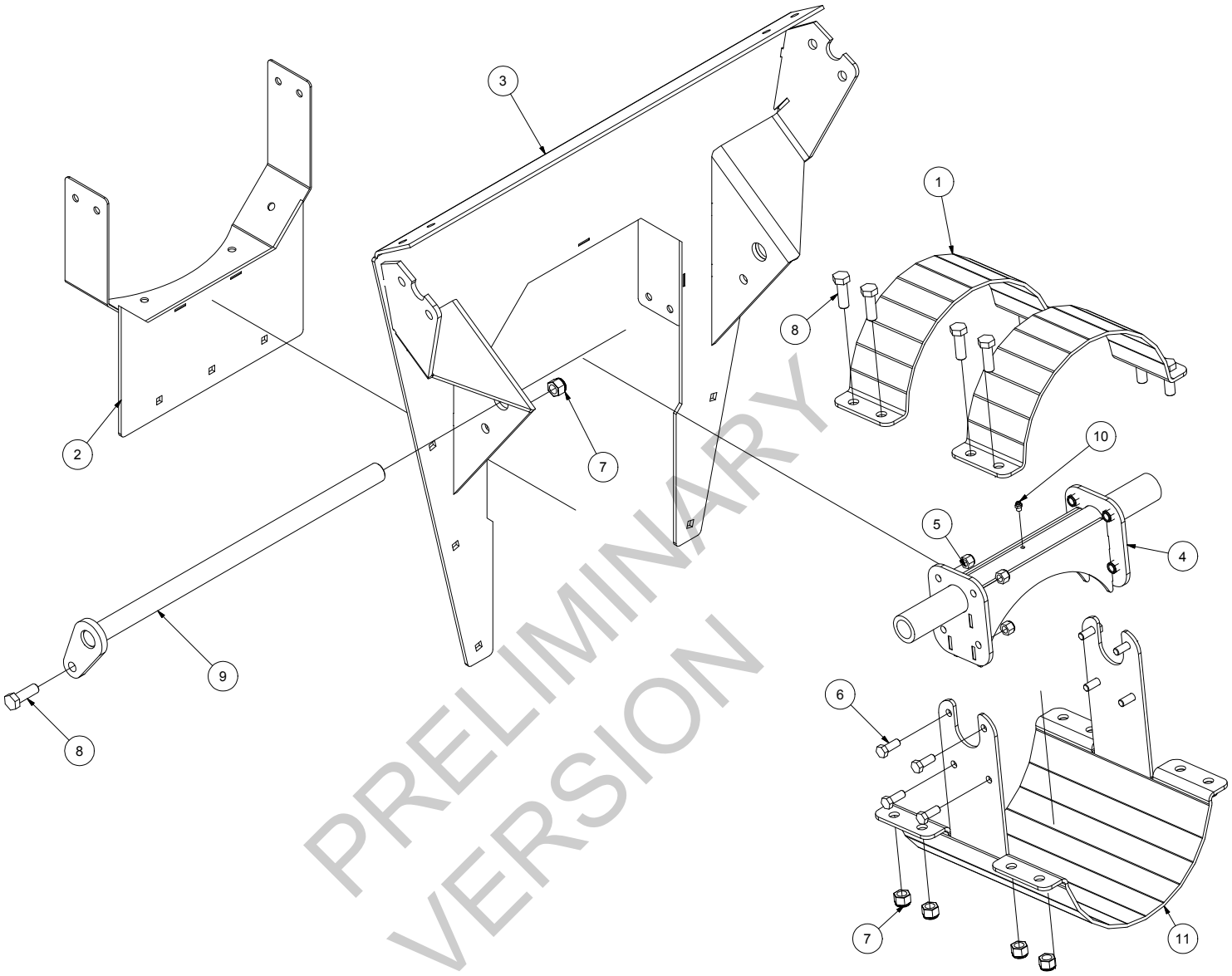
10 - BOTTOM OF THE LOADING SCREW



10 - LOADING SCREW

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	4	500243	BOLT	
2	3	501032	NYLON NUT	
3	2	501035	NYLON NUT	
4	2	502006	FLAT WASHER	
5	21	501034	NYLON NUT	
6	15	500177	BOLT	
7	1	239110	TRANSPORT SUPPORT	18-11001 --> 18-11001-C -->
8	1	239153	TRANSPORT SUPPORT	18-11001-6 --> 18-11001-6C -->
9	1	239058	LOWER TRANSPORT COLLET	
10	1	239065	HIGHER TRANSPORT COLLET	
11	3	239054	COLLET	
12	1	239057	SHOVEL	
13	1	322299	GREASE FITTING	
14	2	239112	WHEEL BRACKET	
15	2		WHEEL	
16	2	325056	SCREW	
17	2	239063	THREADED SUPPORT	
18	2	239061	RESSORT LOWER PLATE	
19	16	500179	BOLT	
20	1	303027	BEARING	
21	1	239056	HYDRAULIC ENGINE BOX	
22	2	322052	CHAIN COUPLING	
23	1	322054	CHAIN	
24	1	239064	SUPPORT VAVLE RING	
25	2	501030	NYLON NUT	
26	1	325058	FLIGHT SUPPORT	
27	3	500088	BOLT	
28	1	469127	HYDRAULIC MOTOR	
29	1	500297	BOLT	
30	6	500181	BOLT	
31	2	501005	NUT	
32	6	304013	SPRING	
33	2	239113	SPRING IDLER	
34	1	325057	TANK SCREW	
35	15	502008	FLAT WASHER	
36	4	206205		
37	2	500300	BOLT	
38	2	320007	LINCH PIN Ø1/4" x 1 3/4"	

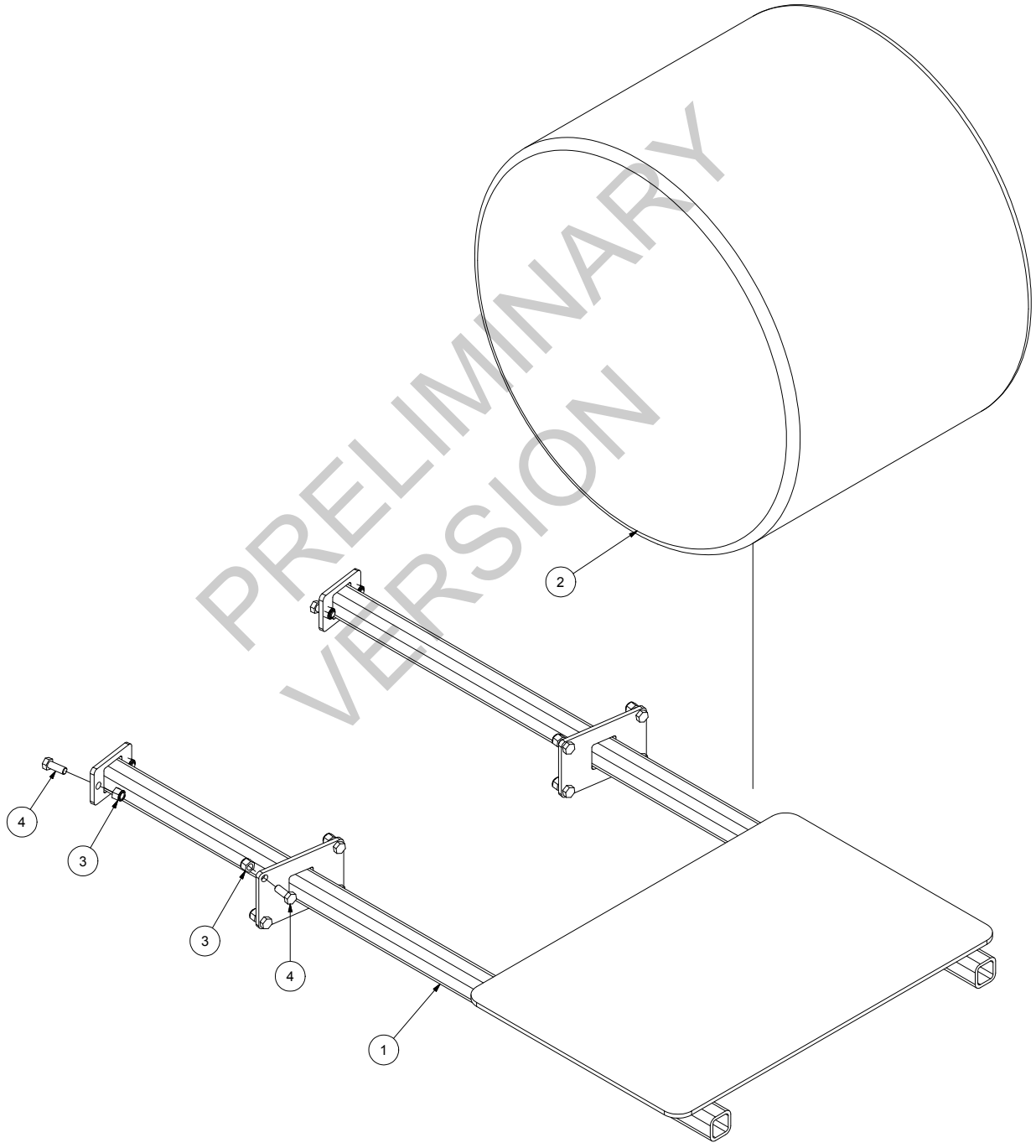
11 - PIVOT OF THE LOADING SCREW



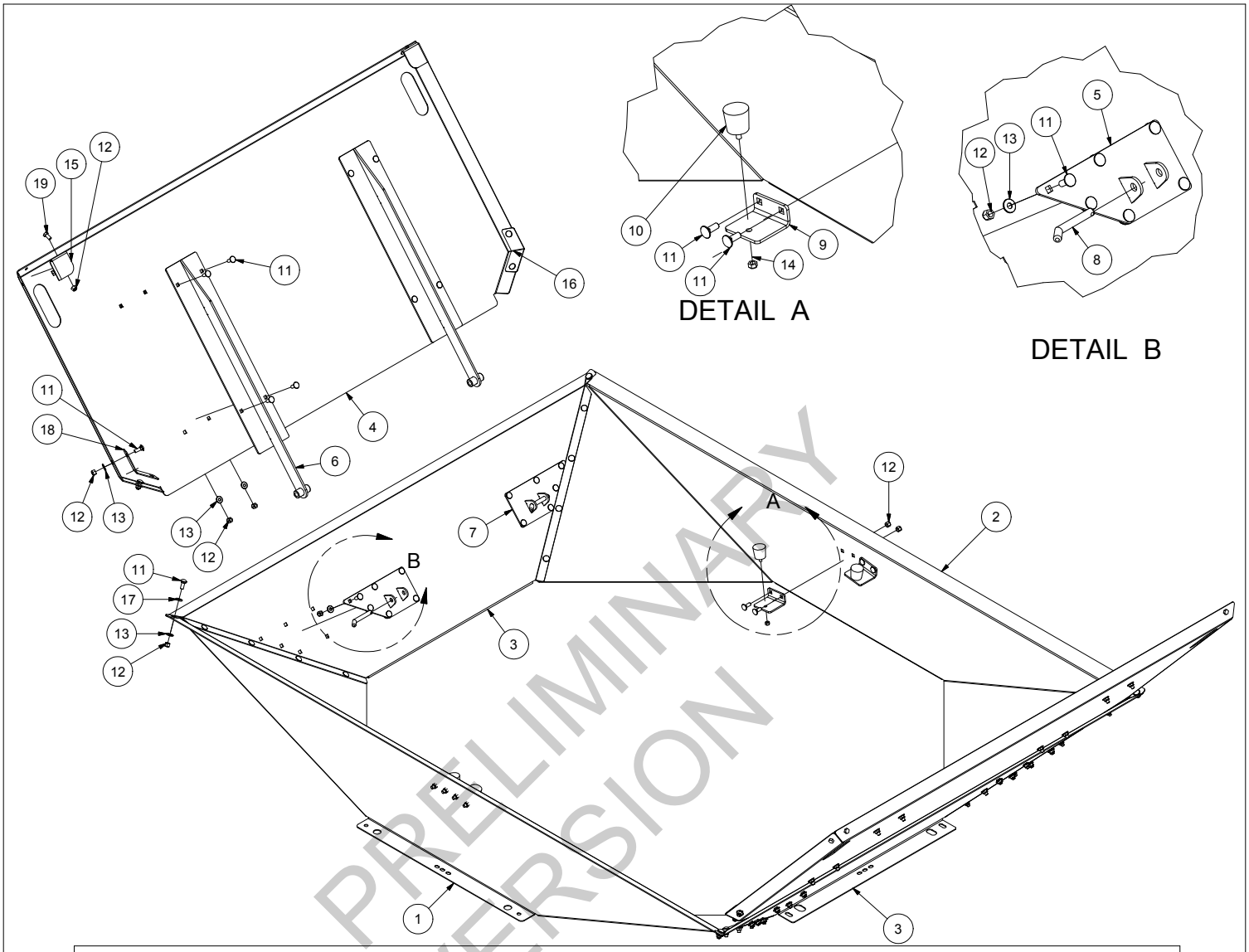
PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	3	239065	HIGHER COLLAR	
2	1	239071	LOWER PANEL	
3	1	239068	HIGHER PANEL	
4	1	239070	PIVOT	
5	16	501032	NYLON NUT	
6	8	500084	BOLT	
7	1	501034	NYLON NUT	
8	1	500177	BOLT	
9	1	239069	PIN	
10	1	322299	GREASE FITTING	
11	1	239066-1	LOWER COLLAR	

12 - OPTION : SPRAYER SYSTEM

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239114	SUPPORT	
2	1		TANK	
3	12	501032	NYLON NUT	
4	12	500084	BOLT	



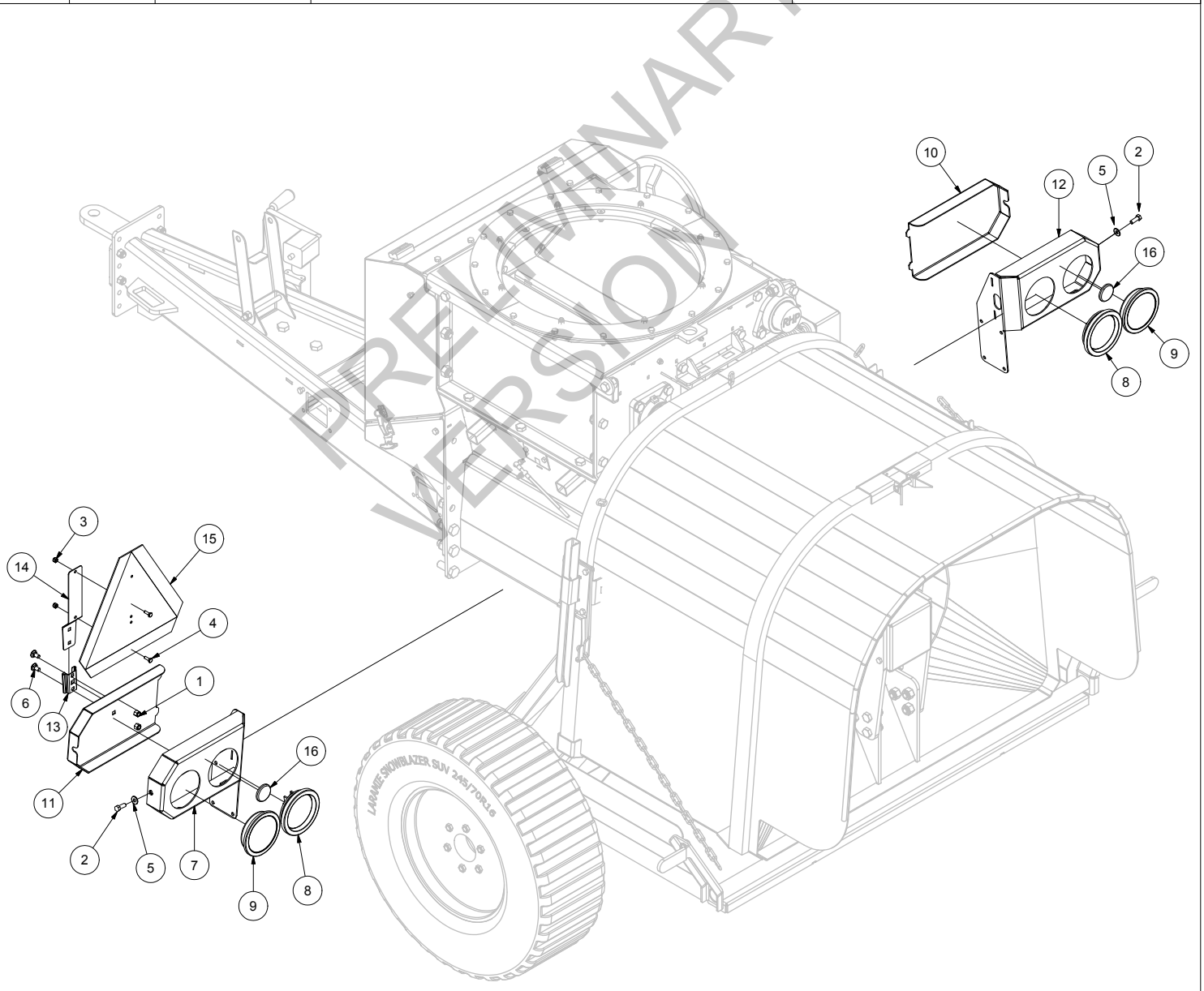
12 - OPTION : LARGE HOPPER



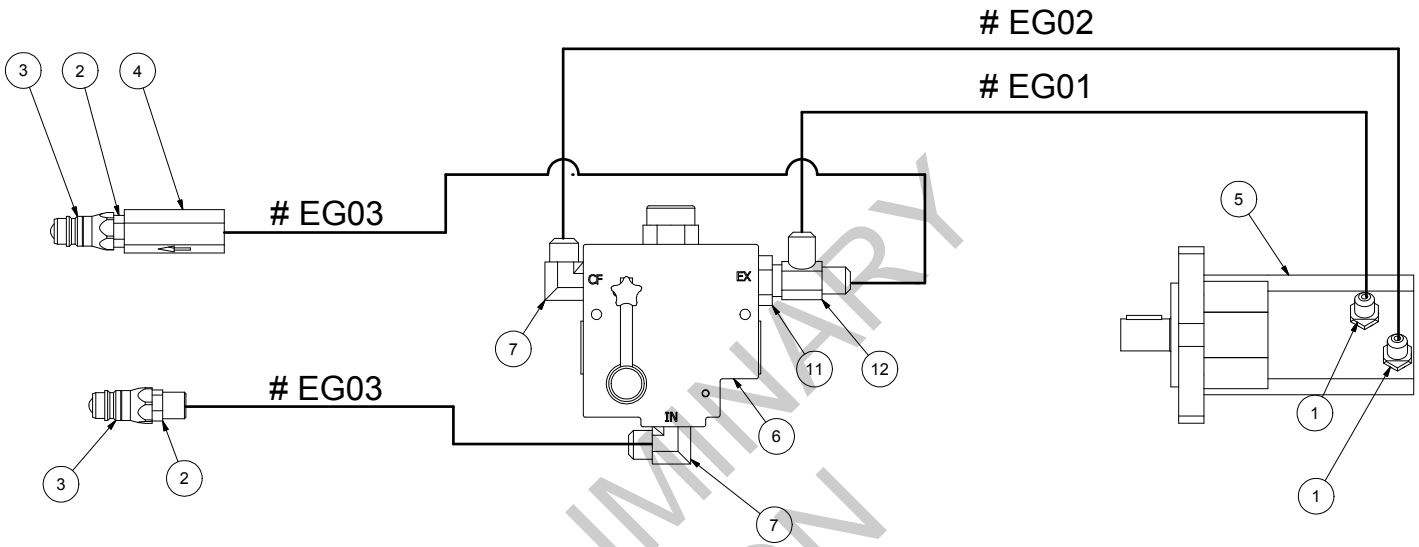
PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	239117	RIGHT SIDE PANEL	
2	1	239118	LEFT SIDE PANEL	
3	2	239119	END PANEL	
4	2	239115	RAISED EDGE	
5	2	239120	RIGHT PIVOT SUPPORT	
6	4	239116	RAISED EDGE PIVOT	
7	2	239121	LEFT PIVOT SUPPORT	
8	4		PIN	
9	4	239122	STOPPER SUPPORT	
10	4		STOPPER	
11	76	500442	CARRIAGE BOLT	
12	84	501032	NYLON NUT	
13	68	502024	FLAT WASHER	
14	4	501031	NYLON NUT	
15	4	239154	STOPPER	
16	2	239155	REINFORCEMENT	
17	4	239157	WASHER	
18	2	239156	REINFORCEMENT	
19	8	500082	BOLT	

12 - OPTION : ROAD LIGHTS

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	2	501032	NYLON NUT	
2	2	500084	BOLT	
3	2	501030	NYLON NUT	
4	3	500004	BOLT	
5	2	502024	FLAT WASHER	
6	2	500440	CARRIAGE BOLT	
7	1	239128	LEFT LIGHT SUPPORT	
8	2	900561	YELLOW ROAD LIGHT	
9	2	900560	RED ROAD LIGHT	
10	1	239125	RIGHT LIGHT PROTECTOR	
11	1	239126	LEFT LIGHT PROTECTOR	
12	1	239127	RIGHT LIGHT SUPPORT	
13	1	210758	TRIANGLE SUPPORT	
14	1	222055	DUPPORT	
15	1	325145	SLOW VEHICULE TRIANGLE	
16	2	900563	REFLECTOR	



13 - HYDRAULIC LOADING SCREW



PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	2	451230	HYDRAULIC FITTING	
2	2	450008	HYDRAULIC FITTING	
3	2	452000	HYDRAULIC FITTING	
4	1	465879	CHECK VALVE	
5	1	469127	HYDRAULIC MOTOR	
6	1	465983-0	HYDRAULIC VALVE	
7	2	450717	HYDRAULIC FITTING	
8	1		HOSE # EG01	
9	1		HOSE # EG02	
10	2		HOSE # EG03	
11	1	450029	HYDRAULIC FITTING	
12	1	450877	HYDRAULIC FITTING	

14 - PTO DRIVE SHAFT

18-11001 -->
18-11001-6 -->

ANDERSON

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	2		CROSS AND BEARING KIT	
2	1		OUTER TUBE YOKE	
3	1		OUTER ROLL PIN	
4	1		INNER TUBE YOKE	
5	1		OUTER YOKE	
6	1		OUTER TUBE	
7	1		INNER TUBE	
8	1		OUTER CONE	
9	1		RETAINING COLLAR	
10	1		TUBE	
11	1		INNER CONE	
12	1		CHAIN	
13	2		RETAINING COLLAR	
14	6		BOLT	
15	1		COMPLET PROTECTOR	
16	1		INNER ROLL PIN	
17	1		INNER YOKE	
18	1	325101-1	COMPLET KIT