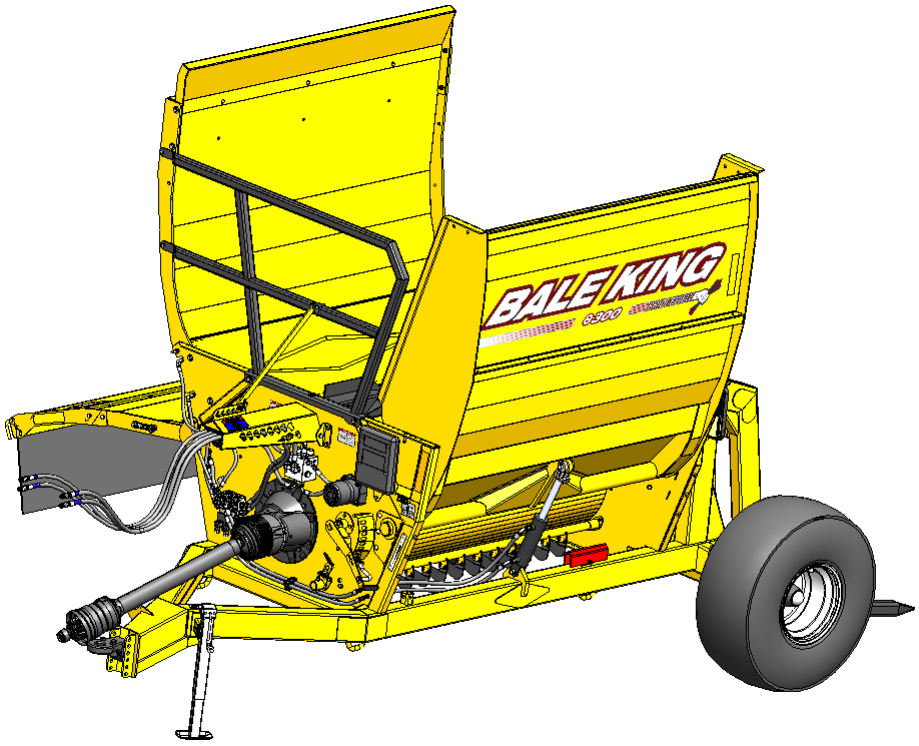
BRIDGEVIEW MFG. INC.



BALE KING 8300

Round and Square Bale Processor

Operator's & Parts Manual

Last Updated: April 2024

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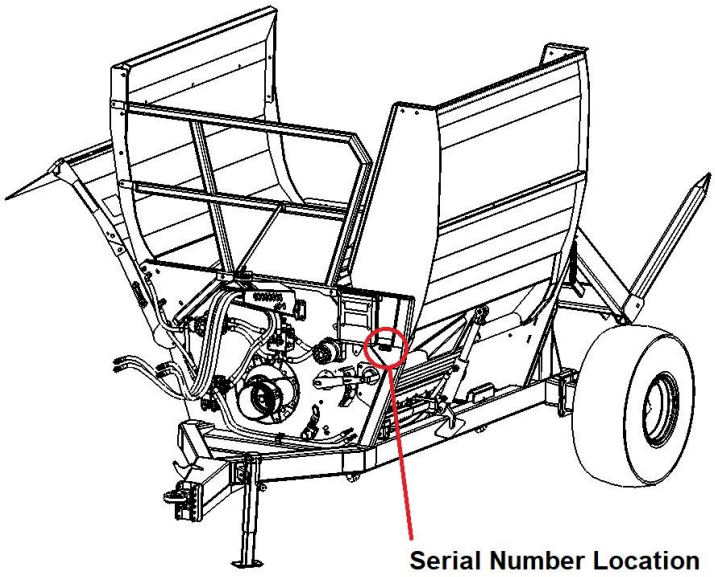
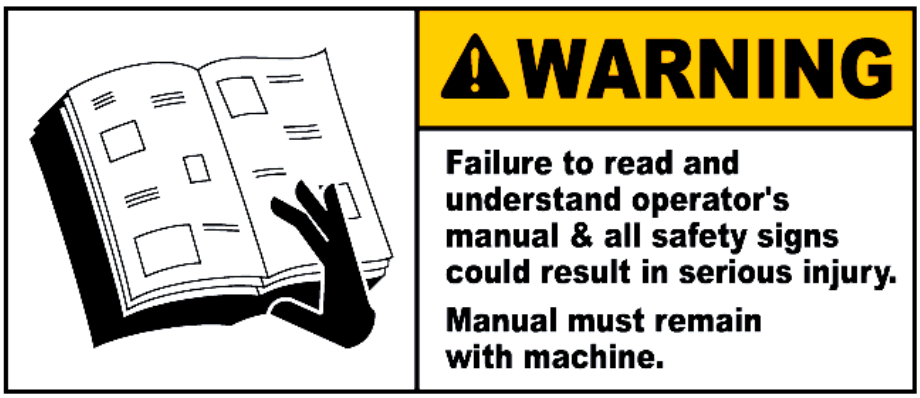
Your Authorized Dealer
Your Serial Number

The Serial Number is located on the front tub panel, next to the operator's manual box.





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INTRODUCTION

Thank you for purchasing a **Bale King** bale processor. With the proper operation and service as outlined in this manual, the Bale King will provide you with years of trouble free operation.

This is a complete safety, operation and parts manual for the Bale King 8300. The manual covers in detail how to safely and effectively use your new processor. The procedures outlined in this manual should be followed to ensure safe operation and longevity of your machine. The parts manual covers all parts you may need to order in case of accident or breakdown. Please read completely through this manual before beginning operation of your new machine.

Safety Precautions

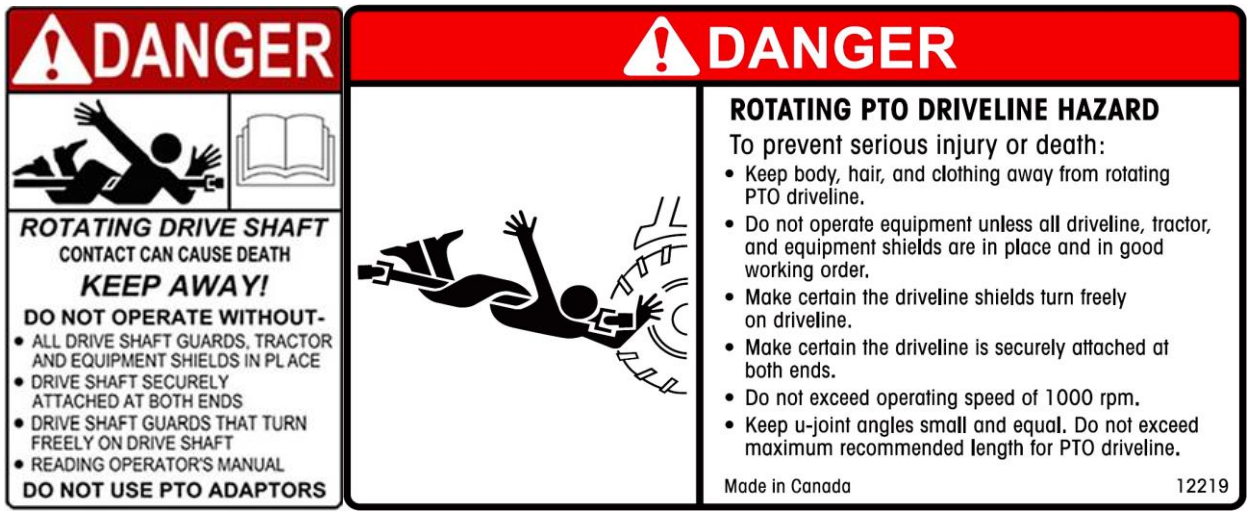
The following safety precautions MUST be followed to ensure safe operation of the Bale King Bale processor.

- **ALWAYS** turn **OFF** the tractor when leaving the operating platform.
- **DO NOT** stand in front of the discharge chute while the machine is running.
- **DO NOT** walk or move under the bale forks or wing when in the upward position, unless the cylinder safety locks are in place.
- **DO NOT** enter the machine while in operation.
- **DO NOT** clean machine while in operation.
- **DO NOT** stick any device into the machine to clear debris while the machine is in operation.
- **ALWAYS** turn off the machine when cleaning the machine, removing twine, or hooking/unhooking the machine
- **ALWAYS** use safety chain when towing the machine on the highway.
- **DO NOT** operate if any part of the **PTO safety shielding** is missing or is not secured.

Safety Decals

Power Take-off:

The operator must obey all safety labels and must maintain the proper shielding. A high percentage of drive-line injuries occur when safety shielding is missing or not functioning properly.



DANGER: ***Contact with a rotating drive-line can cause serious injury or death.***

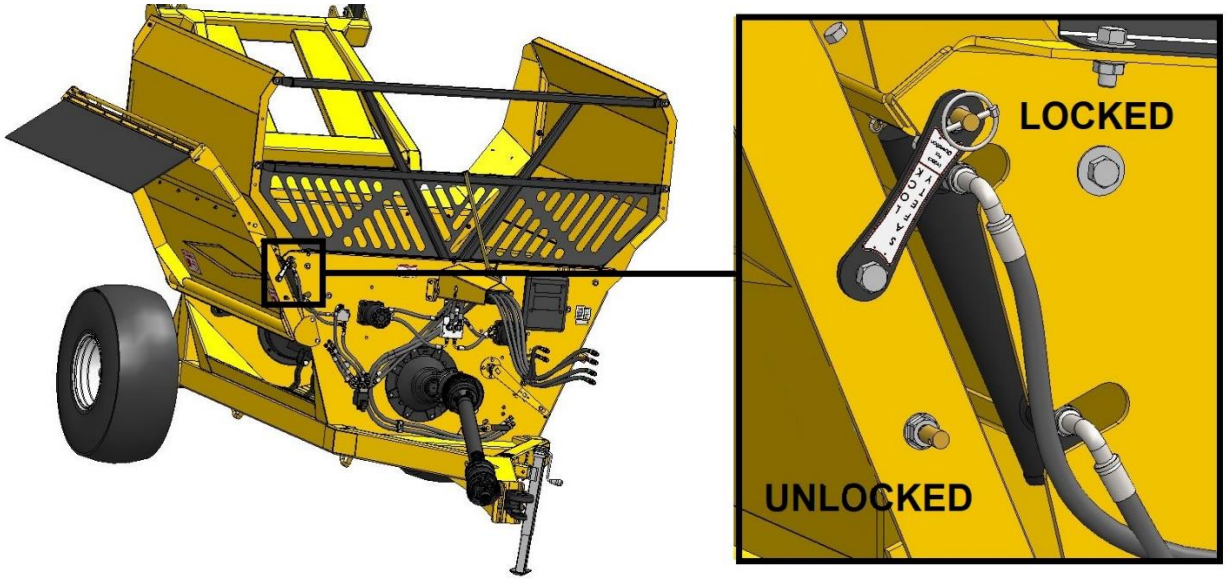
Discharge:

DANGER: ***Do not stand on the discharge side of the machine while it is in operation.***

Rear Fork Lift Area:

DANGER: ***Stand clear of lift area. Do not stand under the forks if tractor is running or if bale is resting on forks. Automatic hydraulic safety locks are installed.***

Deflector Safety Lock:



Unlock for operation. Lock for transport and storage

Transportation

The Bale King 8300 can be safely towed on public roads, provided the following precautions are met:

Weights and Dimensions

- The towing vehicle must be suitable for the weight being towed.
- Check with local authorities regarding transport on public roads. Follow all applicable laws and regulations.
- Be aware of your size and weight. Adjust your driving accordingly

8300	Empty	Loaded
Total Weight	4850 lb	8500 lb
Hitch Weight	1400 lb	2000 lb
Length	15'-8"	19'-4"
Width *	10'-4"	10'-4"
Height	10'	12'-3"

*** NOTE. Width can be reduced to 9' by folding the deflector**

Speed

Tow Vehicle Weight	Empty Processor	Loaded Processor
10000 lb and Under	32 km/h (20 mph)	Not recommended
Over 10000 lb	40 km/h (25 mph)	32 km/h (20 mph)

- The processor features implement tires and hubs and is not suitable for high speed travel
- The processor does not have brakes.
- Slow down for rough conditions, turns, and steep declines.
- If towing long distances, ensure the machine is empty (no bales in tub or on fork)
- If hauling one bale only, place it in the tub instead of on the fork.
- If hauling two or more bales, speed should be further reduced. Note that there will be a significant amount of weight behind the processor axle, causing more "tail whip". This also raises the center of weight of the machine.
- Failure to heed these warning may result in loss of control or death.

Safety Chain, Jack, PTO, and Hydraulics

- ALWAYS ensure that the safety chain is properly installed. There should be enough slack to allow for turning, but not so much that the chain drags on the ground.
- Ensure that the jack is installed in its storage position on the front tub wall.
- Ensure that the PTO and hydraulic hoses are properly secured
- PTO and hydraulic lines must be connected to the tractor during transport.
- If towing with a pickup, the outer PTO shaft must be removed, and the inner shaft and hydraulic hoses properly secured. The exposed end of the inner PTO shaft should be covered to protect the splines from dust/rocks, etc.

Wheels and Tires

- Check tire pressure and wheel torque. Wheels must be retorqued after 1 hr if being transported for the first time.

Tire Pressure	24 psi	**Wheel Torque**	125 ft-lb

- If transporting long distances, periodically check the tires and hubs for high temperatures. If heating up, you must slow down.

Lights and Marking

- Tow vehicle must have a 7-pin round trailer plug
- Plug in lights and check for proper function and visibility (flashing amber lights, red tail lights and brake lights).
- If towing with a pickup, an adapter will be required to plug into the trailer plug. When braking, both amber lights should activate. Tail lights should always be on.
- Ensure that the supplied SMV (Slow Moving Vehicle) sign is clearly visible from the rear
- Ensure that the reflective markers are cleaned, and visible from all sides

Safety Locks

- Lift the forks all the way up. If carrying a bale, only lift enough for appropriate ground clearance.
- If possible, the deflector should be in the folded position.
- Ensure that the deflector safety lock is installed

FEATURES & OPERATION

Power Take-off

The Bale King bale processor has a PTO shaft which is splined on both ends. The implement end uses a 1-3/4"-20 spline with wedge lock bolts. Install onto the gearbox and tighten the wedge bolts. The bolts should be torqued to **160 ft-lb** and re-torqued after 8 hrs of use.

The tractor end comes standard with a 1-3/8"-21 spline quick detach constant velocity joint. An optional 1-3/4"-20 spline yoke is available through your Bale King dealer.

The Bale King processor is designed to use a minimum of **100 HP**. The drive shaft is shear-bolt protected. The machine must be operated at **1000 PTO RPM.**

NOTE: ***Spread yokes and twisted drive shafts are signs of OVERLOAD, not a manufacturer's defect and therefore not covered by warranty.***

- **DO NOT** operate the machine using a spline adaptor. Use of adaptors will **void warranty** due damage caused to to the tractor PTO, PTO driveshaft, or implement.
- **DO NOT** operate at 540 rpm, or use any kind of adaptor to connect to a 540 rpm spline.
- **Always** ensure that the PTO shaft is attached securely to the tractor. When the processor is not hooked to the tractor, store the shaft on the PTO holder.
- **DO NOT** transport the processor without securing the PTO shaft. It may bounce off the holder and be damaged.
- **ALWAYS** ensure that the drawbar is adjusted to **16"** from the end of the tractor PTO shaft to the center of the hole in the drawbar.

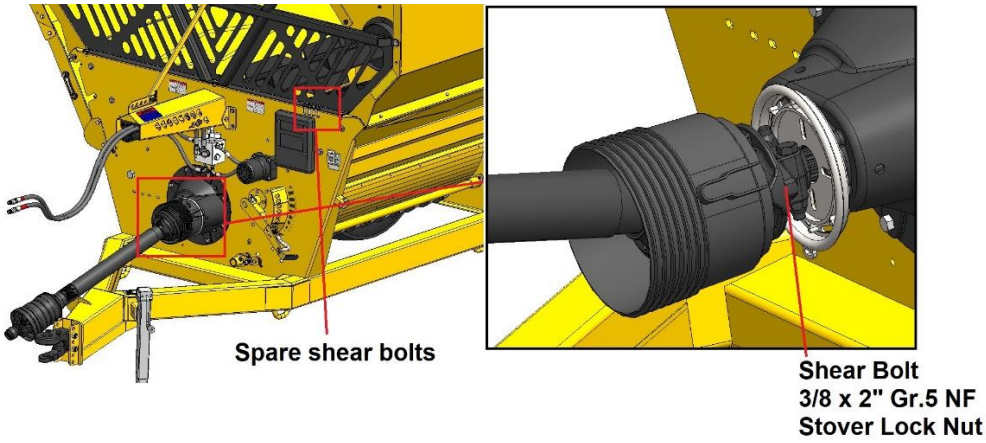
Operation

To engage the rotor for processing a bale, be sure the PTO shaft is properly connected to the tractor. Engage the PTO at idle. After the PTO is fully engaged, increase PTO speed until it reaches 1000 RPM**.**

The processor must not run at any speed less than 1000 PTO RPM as it may result in the flails springing back against the rotor after they come in contact with the bale. This "***backslap***" may cause flails to fatigue and excessive vibration which may cause the bearings to fail. Bales may be dumped into the tub while the rotor is stopped or while it is running.

Shear Bolt

All new Bale King processors are equipped with a **shear bolt** clutch located at the implement end of the PTO shaft. The correct size shear bolt is **3/8 x 2" Fine Thread Gr.5 with Stover Lock Nut**. Any other size or grade will **damage** the shear assembly. Spare shear bolts are shipped with each new machine and are stored along the front top lip of the tub.

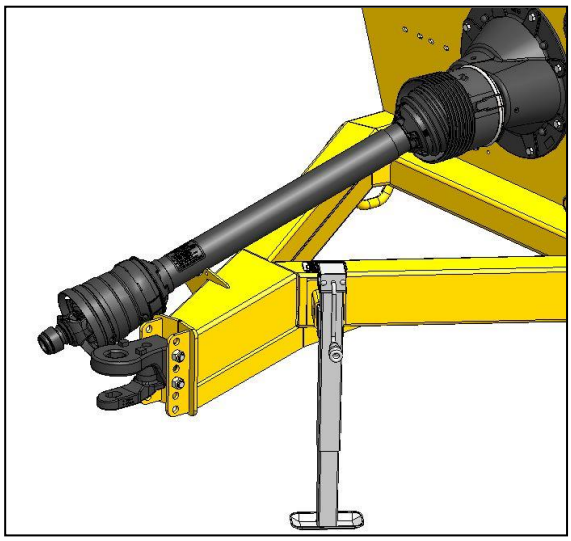


If your shear-bolt is shearing excessively you may be over-loading the machine. If this occurs raise the grate assembly to make the machine less aggressive, or roll the bale more slowly. **Always ensure that your machine is running at 1000 PTO RPM.**

NOTE: ***Please consult your local dealer to help pinpoint any problems.***

PTO Holder

A PTO shaft holder is standard with your new Bale King, for safe storage of the PTO shaft when the processor is not in use.



When unhooking the PTO shaft from the tractor, retract and then swing the PTO to the right to rest the PTO on the holder.

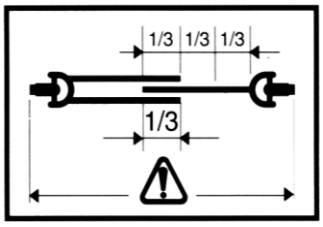
DO NOT transport the machine with the PTO in the holder. Slide the outer PTO shaft out and secure elsewhere. When transporting, fasten the inner PTO shaft to the machine and cover the open splined end.

PTO Use and Maintenance

Shut **OFF** the tractor engine and remove the key before doing any maintenance on the machine. Use ONLY genuine **Weasler** parts when replacing any worn or damaged PTO components.

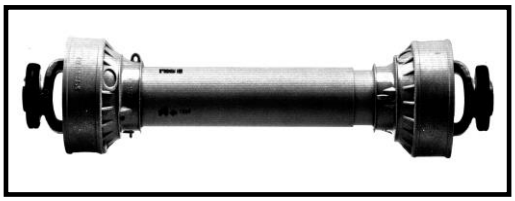
Length:

Confirm the minimum and maximum working lengths of the drive-line. The telescoping tubes must overlap at least 1/3 of their length when in use. The PTO is designed to be used with a drawbar length of 16" from the end of the PTO shaft. Adjust your tractor accordingly.



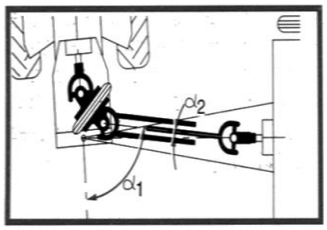
Shielding:

Be sure that the shielding is not damaged and rotates freely on the drive shaft.



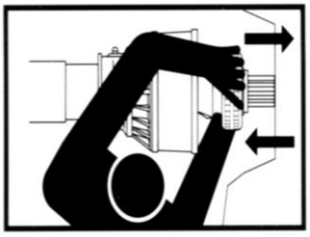
Working Angles:

Constant Velocity joints can operate up to 80 degrees for short periods of time. Do not operate for long periods on sharp angles.



Attachment:

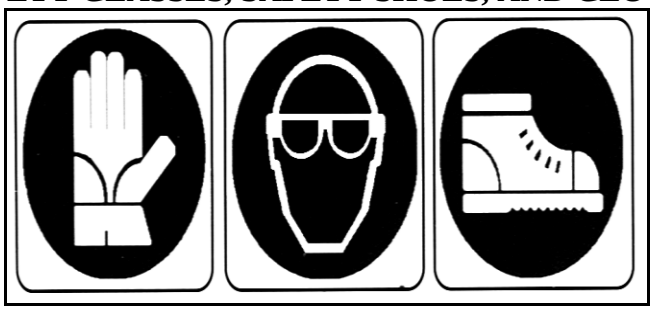
Be sure the drive-line is properly attached and all bolts and screws are tight on the implement input shaft and on the tractor PTO shaft.



Storage:

When not in use, cover or protect the drive shaft from the weather. When removed from the machine store both halves together to prevent damage. Check all components for proper function and lubrication before use.

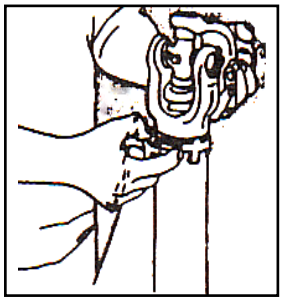
BEFORE ATTEMPTING ANY REPAIR PROCEDURES, ALWAYS USE APPROPRIATE EQUIPMENT SUCH AS SAFETY GLASSES, SAFETY SHOES, AND GLOVES



Shield Removal:

- To remove the shield, pop out the red snap, then rotate the guard on the bearing to line up the three tabs with the openings and pull it off away from the knuckle joint.
- Remove the nylon bearing from the shaft by spreading it open.

Shield Assembly:

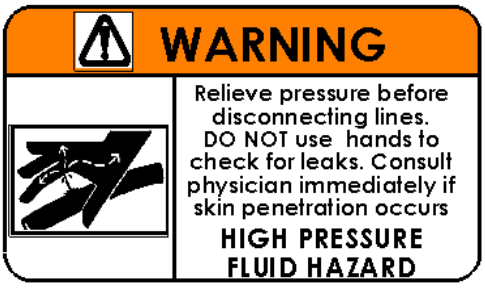


- Be sure to lubricate the groove in the inner yokes where the shield bearing rides. Reinstall shields in the reverse order that they were removed.

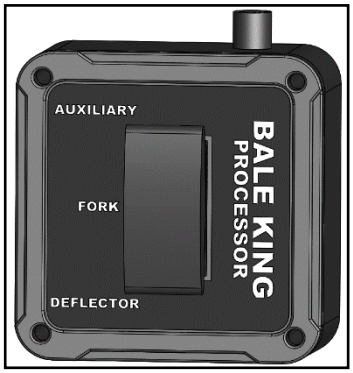
Hydraulics

WARNING: ***Pressurized hydraulic fluid can cause serious injury.***

- When working with hydraulic equipment, eye and hand protection should be worn.
- Do not test for leaks with bare hands.
- Relieve any pressure before removing a hose or fitting.
- Never work under components raised by hydraulic equipment unless supported externally.



Two diverter valves are installed on the Bale King 8300 to allow the machine to operate using only two sets of hydraulic hoses. The function of the remote is then determined by the control box switch. Each hose that connects to the tractor has a colored marker to identify its function. They should be connected at best convenience for the tractor's controls.

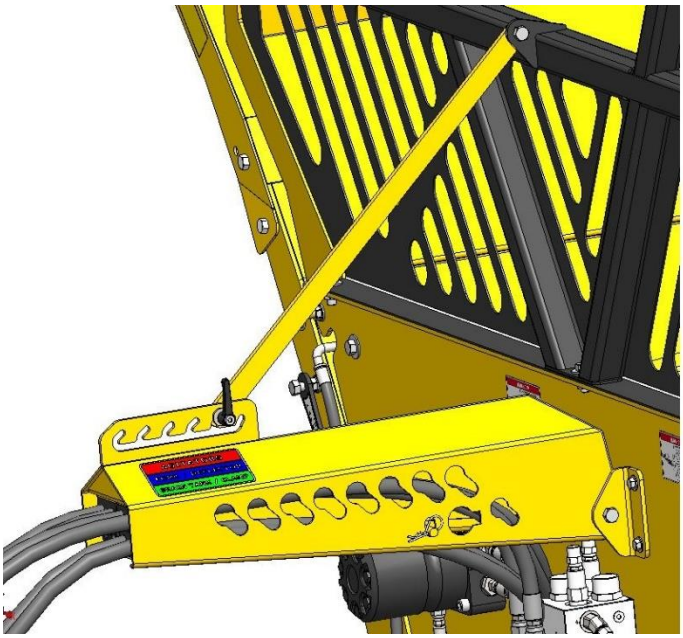


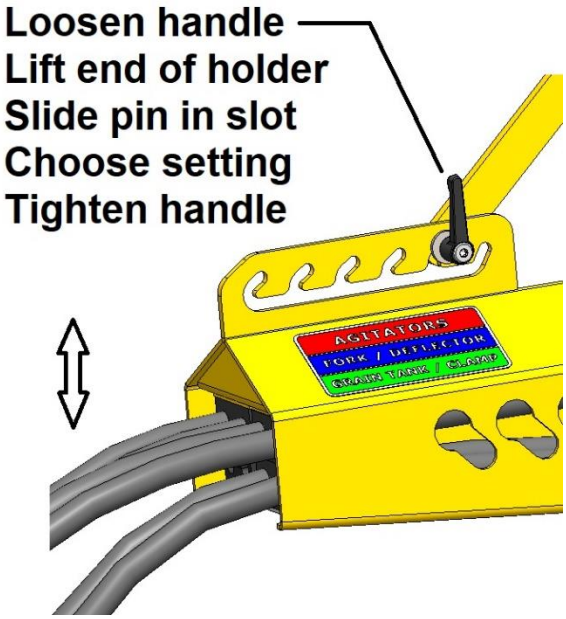
	Hose Function		
Control Box	"AUXILIARY"	"FORK"	"DEFLECTOR"
Long Blue	Lift wing	Lifts rear fork	Lift deflector
Long Red	Turns agitators clockwise		

Always set the tractor's hydraulic flow at a lower rate and adjust it upward until the desired speed is reached. Excessive oil flow may damage the flow divider cartridge

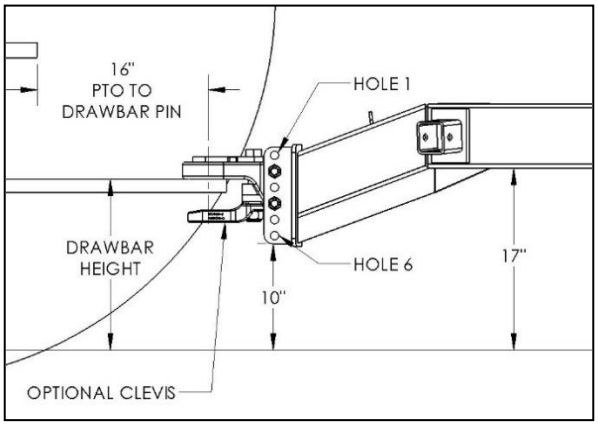
Hose Holder

The hydraulic hoses may need to be adjusted to avoid damage from rubbing on the PTO shaft. This can be done by lifting or lowering the hose holder. Loosen the pin handle, then lift the end of the hose holder to drop the pin into the slot. Then adjust the height as desired and catch the pin into the desired notch. Finally, retighten the pin handle to prevent if from switching positions if the machine bounces.





Implement Tongue



The adjustable hitch on the Bale King features a cast single tongue with optional clevis insert (**BMI #29786**). This allows for use with tractors equipped with a hammer strap or with a single drawbar. It also allows the machine to move independently over rough terrain without bending the draw pin.

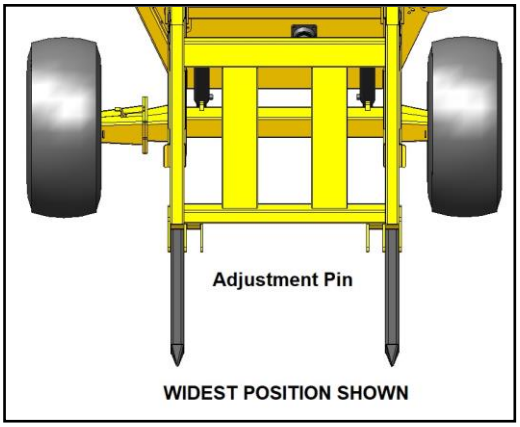
- Make sure that the drawbar is set to **16 inches** behind the PTO shaft for proper PTO length.
- Adjust the hitch height to match the drawbar height and allow the machine to sit level.

Drawbar Height	Holes
17.5”	1 & 3
16”	2 & 4
14.5”	3 & 5
13”	4 & 6

- **DO NOT** install the clevis insert if using a tractor with a hammer strap as this will bend the hitch pin
- **ALWAYS** connect the safety chain during road transport

Rear Forks

The rear fork bale tines can be adjusted side to side by removing the pin connecting the tine to the machine and replacing the tine in the other available gap. The widest position is recommended for all situations, except for the smallest bales. Always use tines in the same position on either side to keep the load on the forks and cylinders balanced.



For transport, and safety when working under the forks, the Bale King 8300 is equipped with hydraulic safety valves that do not allow the forks to come down without hydraulic pressure. Lowering the forks using the tractor controls overrides this valve and allows the forks to lower. Never stand under the forks when loaded with a bale.

Loading Bales

The Bale King 8300 is designed to process both round and square bales. The same procedure is to be followed for loading either type of bale.

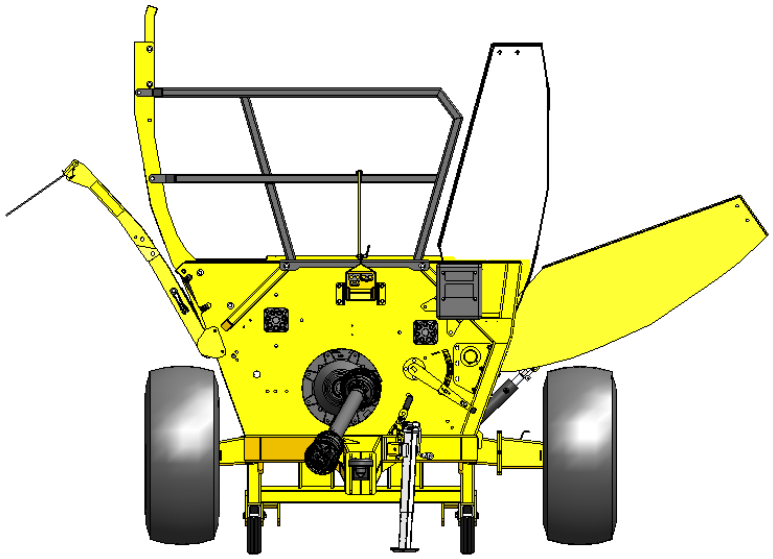
- Position the tractor and the Bale King lined up to back straight into the row of bales. To avoid having large square bales hit the tub wall, load the bale slightly towards the wing side.
- When close to the bale, lower the forks and wing completely (you will feel a light vibration as the forks bottom out against the frame.)
- Back completely under the first bale.
- Allow the tractor to move forward while lifting the bale, because the bale fork moves away from the machine while loading.
- If you are loading from the same row you can dump the bale into the machine and back straight into the second bale. If you are going to a different stack for the second bale only raise the first bale enough to clear the ground. Move to the next row and align the machine to the bale before dumping the bale into the tub. This gives you good visibility to line up to the second bale.
- Once you have the first bale in the tub and the second bale on the forks, raise the wing completely, and the bale fork about 1/4 of the way up. You can now transport to your feeding or bedding area to begin processing.

Note: ***Carry the bale as low as possible to lessen the stress on the cylinder shafts. Carrying the bale too high may bend hydraulic cylinder shafts.***

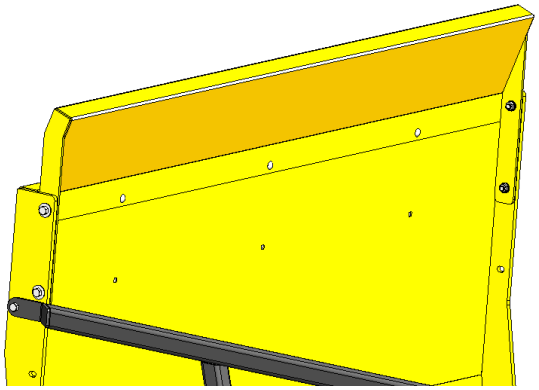
- When the first bale has been processed, it is common practice to leave the rotor running at full speed when loading the second bale into the bale chamber from the rear forks.

Wing

The Bale King 8300 features a pivoting wing on the left side of the machine to allow loading and processing of square bales. The wing is opened completely to load the bale, and can then be operated to manipulate the bale as required to cut the twines and process the bale. The wing also needs to be opened slightly to load a round bale into the tub. The wing should be closed completely, with the cylinder safety lock installed, for transport or any service work.



An adjustable wing extension is installed on the discharge side to help contain longer square bales when stood upright. If height is an issue for storage or clearing shed doors, this extension can be brought down to the same height as the top of the folding wing. This gains 8" of clearance. This is done by removing the bolts and sliding the extension down the wing until the second set of holes line up.



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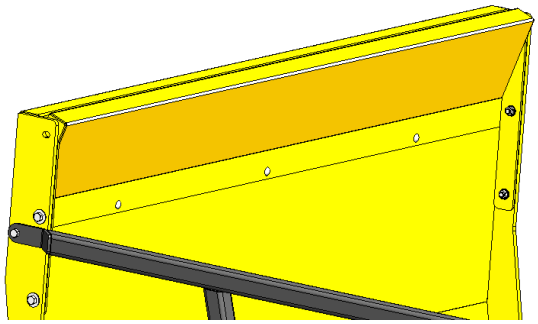
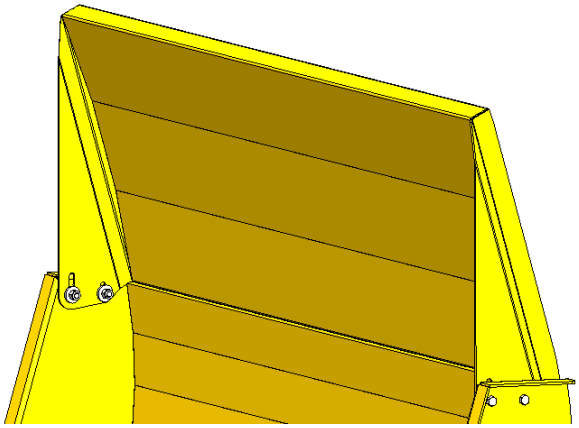


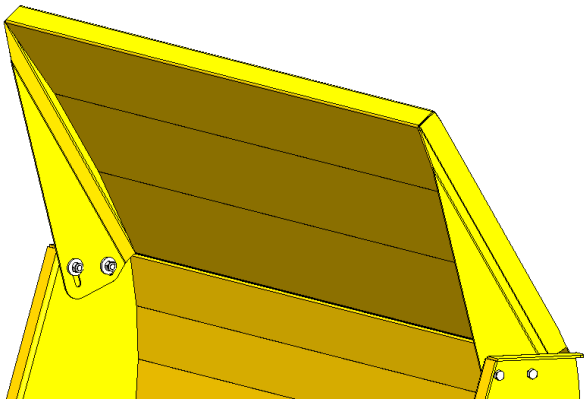
LOWERED

An optional wing extension kit (**BMI #35127**) is available to add to the top of the folding wing. This helps when handling longer square bales (over 8.5 ft). It also can be set at different angles, depending on preference.

Adjustment can be done by opening the wing so that the extension is reachable from the ground. Then loosen all 4 bolts, and push the extension to the desired position. Lastly tighten all 4 bolts.

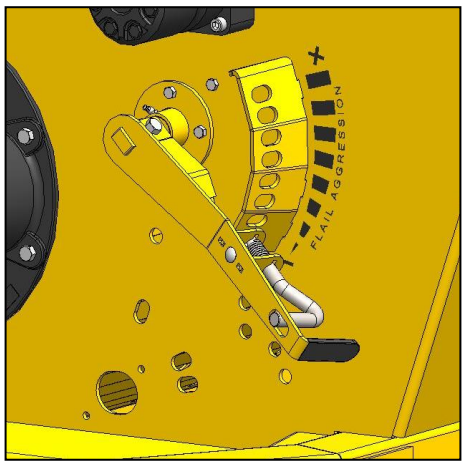


OPENED



CLOSED

Hoop Grate Adjustment



There are eight adjustment settings for the hoop grate on the bale processor. These settings determine the rate of feed of the bale you are processing and the how fine the cut will be. To adjust, pull the spring handle outward, then swing the handle "UP" for a more aggressive cut, or "DOWN" for less aggression. Then release the spring handle to engage the pin in the desired hole.

When there is a bale in the tub, the bale's weight will be placed on the hoop grates, making adjustment more difficult. Adjust the machine when it is empty when possible.

- **Position #1 (Bottom):** Highest grate setting for finest cut and slowest rate of feed. Used for tough processing feeds such as silage bales, or other wet materials.
- **Position #2 - #5:** Normal operating range. Machine gets more aggressive as grate is lowered (handle moves "up").
- **Position #6-8 (Top):** Lowest grate positions, most aggressive, fastest rate of feed.

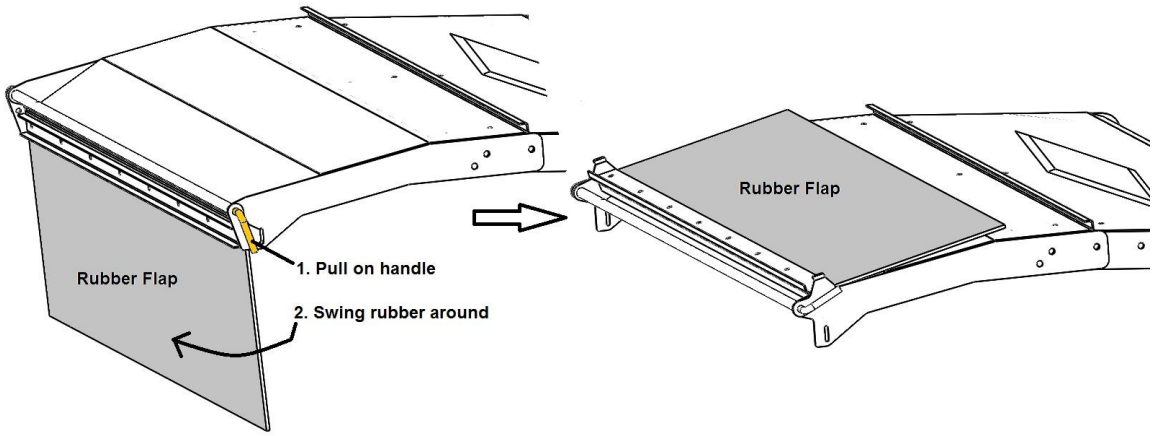
The Bale King should be adjusted according to bale conditions to achieve a rate of feed of approximately **1.5 to 2 minutes.** Light brittle material such as wheat straw may allow faster processing while tough stringy material such as slough hay, green feed, or flax will require slower processing. Hoop grate adjustment should be checked periodically.

NOTE: ***Processing a bale too rapidly may cause unnecessary machine deterioration*****.**

NOTE: ***Upper grate position should be approximately 1/8" flail protrusion. Lower grate position should allow 2-1/2" flail protrusion. Contact your Bale King dealer if this can't be achieved.***

Deflector

The Bale King 8300 is equipped with a hydraulic side deflector to change the discharge distance and distribution. It also comes with a flipping rubber flap for superior control of the spread pattern.



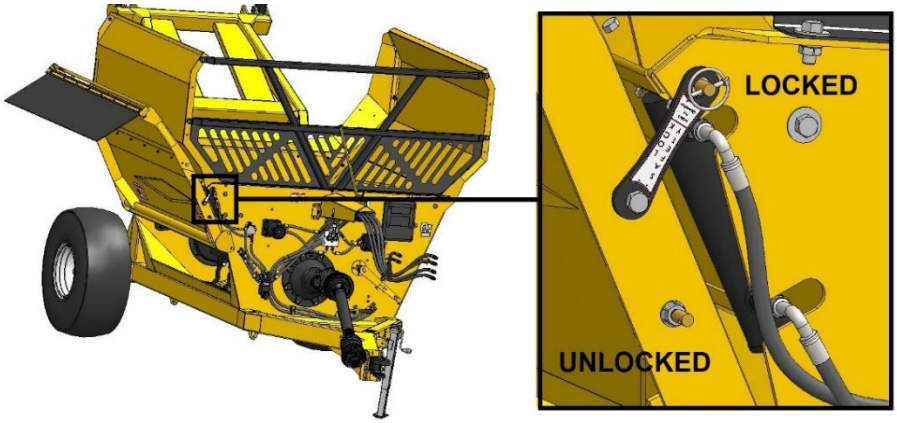
Moving the deflector to the **down** position and flipping the rubber down (above left) will allow the hay to be laid in a windrow, or bunk feeder. Swinging the deflector **up** will allow you to spread straw out over a large area. If you also flip the rubber up (above right), you will be able to "fine tune" the discharge, to control the height and distance.

To flip the rubber, simply pull on the handle and swing into position. Then push the handle so that the tabs catch in the notches and lock into place.

The Bale King 8300 deflector will bunk feed to a distance of 35” from the tire when in the lowest position.

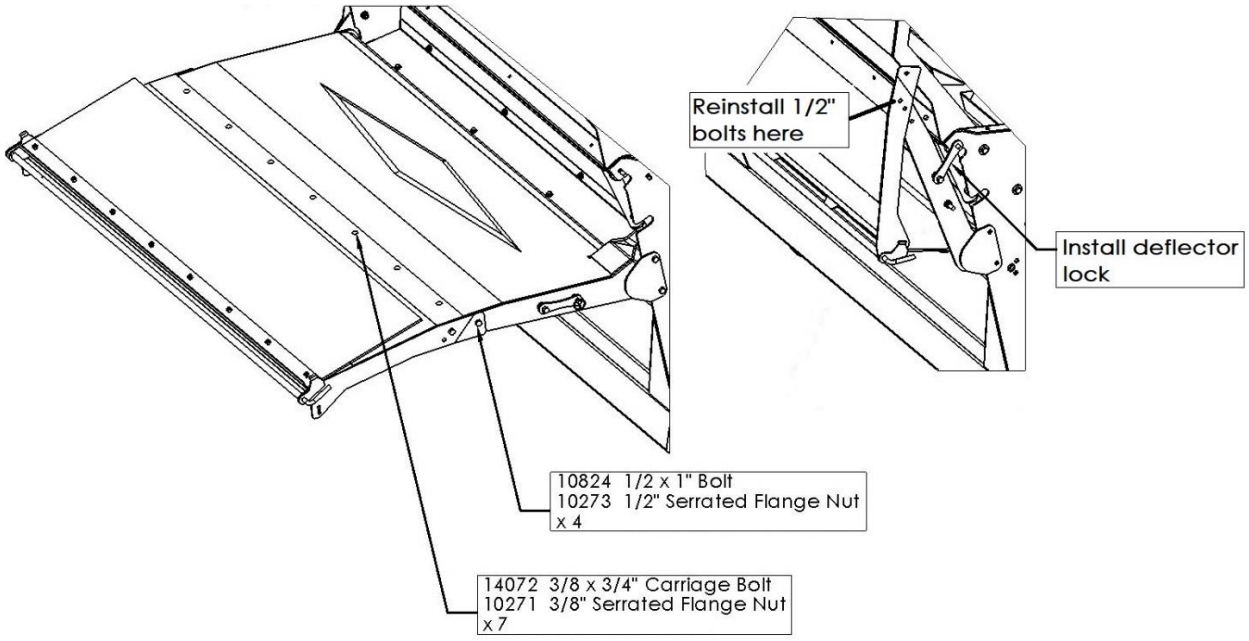
When the deflector is not folded, the transport width of the machine is 10’-4”.

For transport and storage, the deflector lock should be put in place by swinging the lock as shown and fastening with a lynch pin.



The Bale King 8300 deflector also has the ability to fold for more compact long-term storage or long-distance transport.

- Move the deflector to its lowest position
- Remove the 7 top carriage bolts from the deflector.
- Loosen all the 4 bolts on the front and back of the deflector.
- Raise the deflector to its highest position with the hydraulics. Remove the bolts closest to the machine center (both front and back) and swing the outer deflector down.



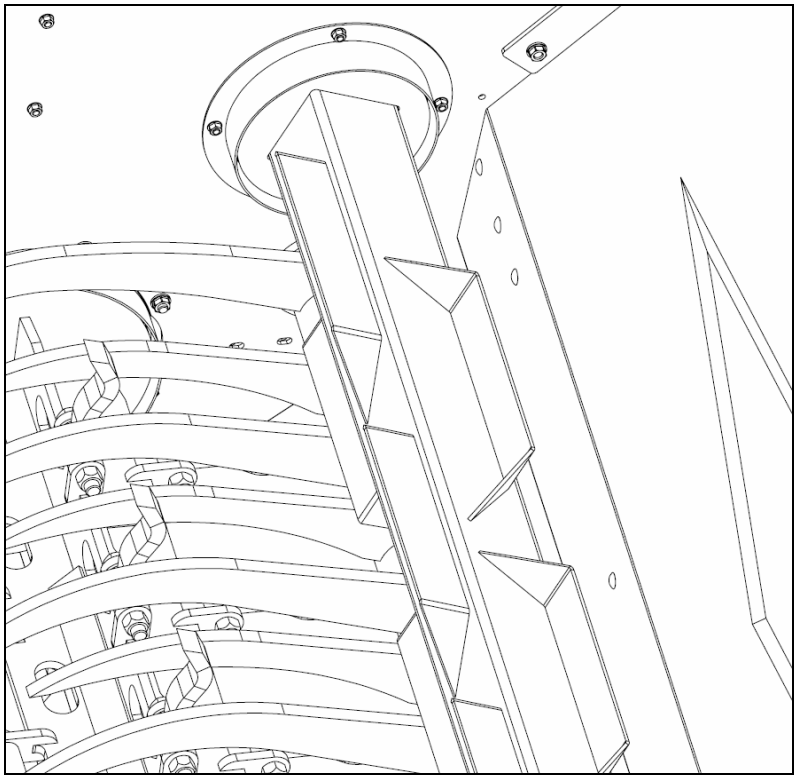
BE CAREFUL WHEN LIFTING THE DEFLECTOR WITH THE OUTER PANEL ABLE TO PIVOT TO AVOID CONTACTING THE TIRES.

Agitators

The Bale King is equipped with a flow divider/combiner and two hydraulic motors for turning the bale.

Once the main rotor is turning at full speed the bale can be turned in either direction to begin processing. It may be necessary to change direction of the bale when loose debris builds on either side of the bale chamber. This will remove the loose debris preventing spillage from the machine. This is especially true when processing soft core bales. By reversing direction regularly, soft core bales will process more evenly.

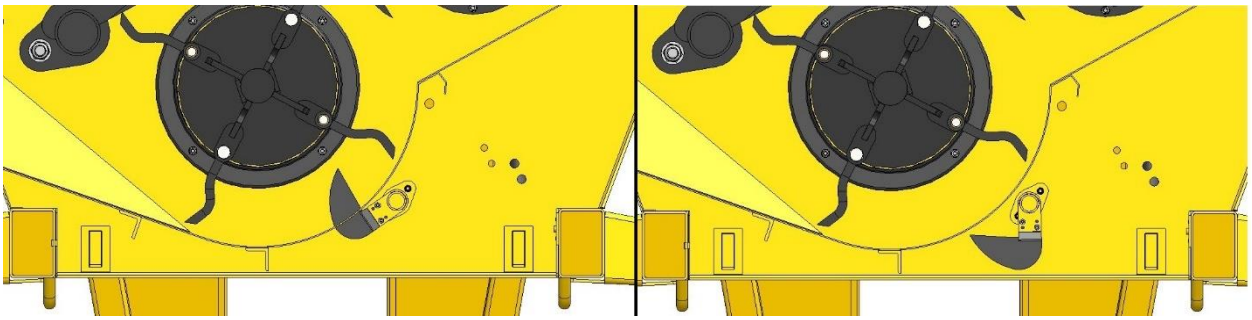
If the tractor has a flow control, adjust the oil flow so that the agitators run at a low rate. Adjust the flow as needed to find the best speed to process a bale (approximately 30 rpm). Turning bales too fast can result in rotor overloading resulting in flail "backslap" which in turn causes flail and bushing damage. High agitator speed may also cause damage to the hydraulic motors and excessive twine and material buildup on the agitators.



Optional Fine Chop Kit

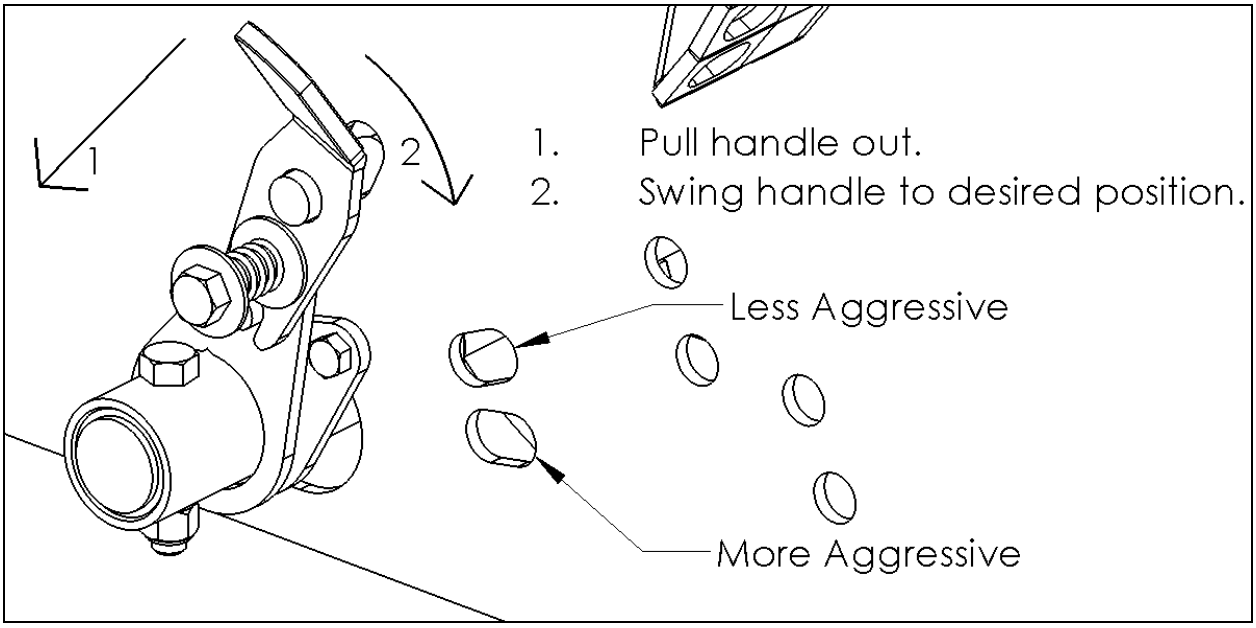
The Bale King 8300 processor has an optional fine chop knife kit (**BMI #32117**) available to be installed in the lower tub area. This option is available if you require a finer cut on the material which you are processing such as slough hay and silage bales.

It is recommended that the knives be lowered when bedding straw as it will affect your spread pattern. Adjust the machine as needed.



ENGAGED **DISENGAGED**

There are two settings for the fine chop, depending on how fine you wish to cut the material. These settings are achieved by pulling the handle towards the back of the machine, then selecting the desired hole.



Optional Back-up Camera

The Bale King 8300 processor has an optional back-up camera to provide increased visibility while loading bales. This is especially helpful when combined with a 3-bale kit.

There are two versions of the kit.

Standard Kit	**Pro Kit**
32619	32628
Camera Rated to -20°C (-4°F)	Camera Rated to -40°C (-40°F)

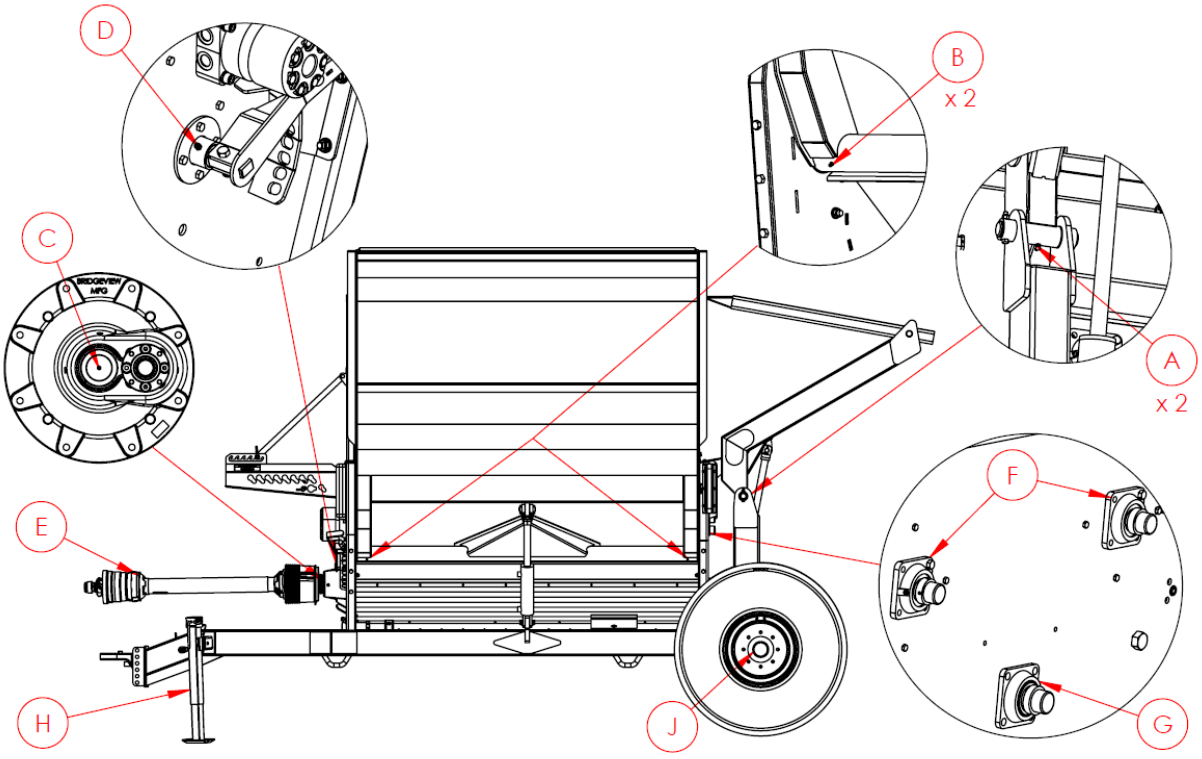
The kit includes a mounting bracket to install the camera on the rear axle of the processor, as well as cables to run to the tractor. The monitor can be installed in the tractor cab, with a plug between the tractor and processor.

SERVICE AND MAINTENANCE

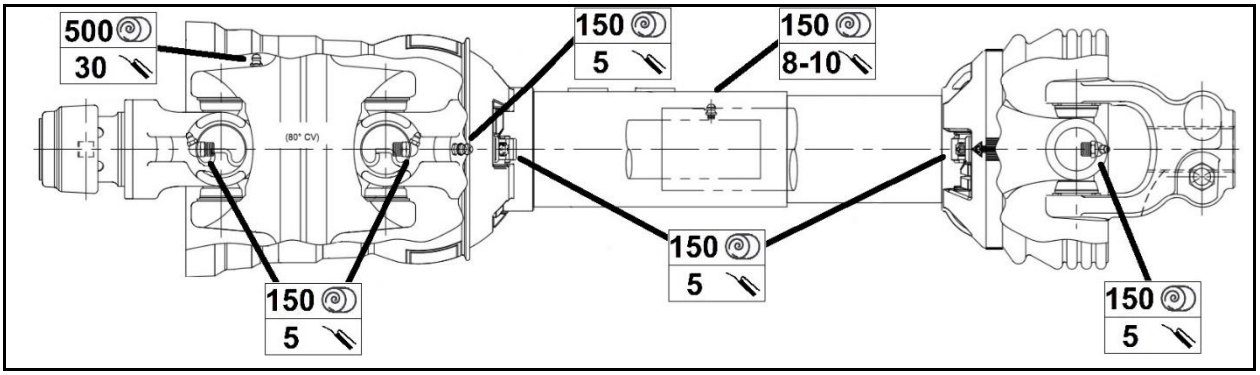
Greasing Locations

Lubricating the Bale King bale processor should be done on a regular basis.

Every 50 bales			
C	Rotor Gearbox	1	3-5 pumps
Every 150 bales			
A	Bale Fork Pivot	2	3-5 pumps
B	Wing Pivot	2	3-5 pumps
D	Hoop Handle	1	3-5 pumps
E	PTO Cross & Bearings	4	5 pumps
	PTO Guard Bushings	2	5 pumps
	PTO Spline	1	8–10 pumps
Every 500 bales (or Annually)			
E	PTO CV Joint	1	30 pumps
F	Agitator Bearings	2	3-5 pumps (DO NOT OVERGREASE)
G	Rotor Bearing	1	3-5 pumps (DO NOT OVERGREASE)
H	Jack	1	8 – 10 pumps
Annually			
J	Wheel Hubs	2	Pack hubs full



PTO/Driveline



Frequent lubrication is required. Grease the driveline parts as required on the chart.

After storage for long periods of time, lubricate and check the function of every driveline component before operating. Failure to grease all the joints will **VOID** warranty.

All zerks can be accessed while the PTO is connected to the tractor EXCEPT for the telescoping spline, which can only be accessed when the PTO is fully retracted.

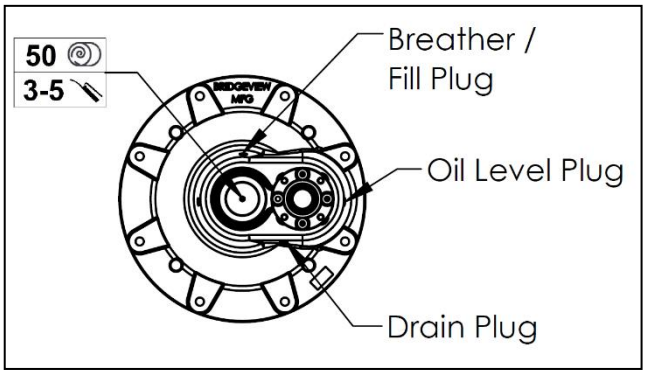
Gearbox

There is one grease zerk on the front of the gear box. Apply 3-5 pumps of good quality grease every 8 hours or 150 bales, whichever comes first.

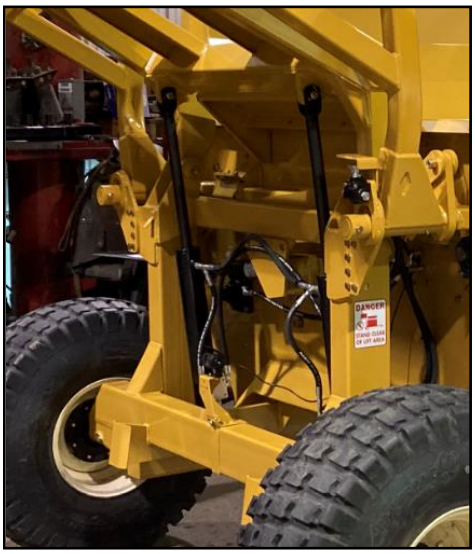
If the gearbox is removed to replace the rotor or perform any other service, add **80 pumps** of grease to the grease zerk upon reinstallation.

The gear box requires GL5 80W90 gear oil. The oil should be filled to the level plug and checked on a regular basis. The oil should also be changed at the following intervals.

- 25 hours after first use
- 50 hours after first use
- Every 300 hours or annually (whichever comes first)



Cylinder Maintenance



The hydraulic cylinders are easily removed for repair or maintenance simply by:

- Lowering the fork (or deflector) to the down position and unhooking the hydraulic lines. Be sure there is no pressure on the lines and mark the line locations so there is no confusion when reinstalling the cylinders. Check hydraulic schematics.
- Removing the cotter pin closest to the frame of the machine and sliding the cylinder pins out
- To reinstall, reverse the removal procedure

NOTE: ***Always cover exposed cylinder shafts with grease to avoid rusting of shafts if the unit is not used for extended periods of time. Rusted cylinder shafts are NOT covered by warranty***

NOTE: ***Check all hoses and fittings periodically for leaks. Tighten or replace any dripping components or any worn out hoses.***

Tires

Wheel bearings should annually be lubricated and inspected for adjustment. Inspect more often for extensive traveling.

- To tighten the wheel bearings, lift up each wheel (one at a time) until the wheel spins freely
- Remove dust cap and the cotter pin which retains the castle nut
- Tighten the nut until the wheel will rotate approximately two turns when given a firm spin
- Align castle nut to closest hole and insert the cotter pin
- Pack hub full of grease and reinstall the dust cap

Proper tire inflation will help to alleviate puncture problems when towing and operating on rough terrain.

Check for proper tire inflation	**24 psi**
Replace any damaged or worn tires	**16Lx16.1 8-ply**
Check and tighten wheel bolts on a regular basis	**125 ft.lb**

Note: Warranty does not cover damaged rims and hubs due to loose wheel bolts or flat tires. Tire warranty is covered by the tire manufacturer.

Note: ***When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly.***

Twine Removal

It is natural that twine from the bales will wrap around the rotor as they are being processed. It is recommended to remove the twine from the rotor every 10-15 bales to avoid having so much that it begins to hinder the flail movement. The more often this is done, the easier it is to remove, since the twine has not had a chance to wrap more tightly. The patented "X" shape makes twine removal much easier.

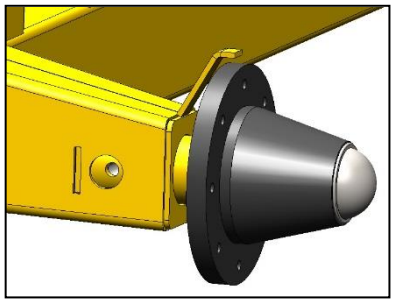
WARNING: Before attempting the removal of twine from the rotor, be sure that the machine is stopped and the tractor is shut **OFF**. Place the tractor in park. Twines can be removed with the use of the optional knife, or any other knife.

An electric device is also available from suppliers to melt the twine & allow it to be pulled off. Once melted, the twine should be removed immediately to prevent damage to the rotor. It is **NOT PERMITTED** to leave the twine burning on the rotor as this has several adverse effects:

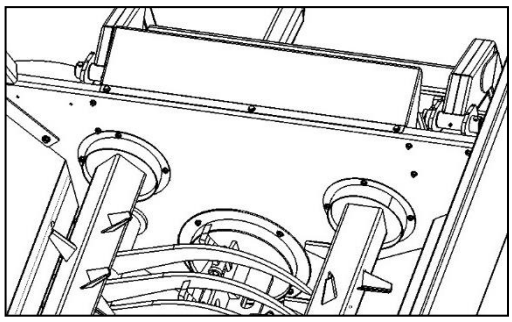
- It may take the temper out of the steel, rendering it weaker.
- Loose straw and hay remaining in the machine may ignite causing a fire in the processor.
- Excessive buildup of melted plastic.
- Dry out bushings causing them to wear prematurely.

NOTE: Bridgeview Manufacturing Inc. VOIDS warranty for any damage caused by twine burning in the processor.

Twine guards are installed on the machine to keep bale twine out of important areas such as bearings.



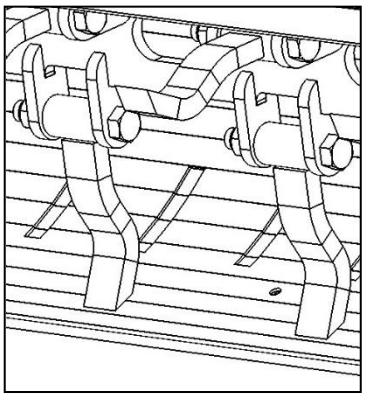
- The wheel hubs have a twine guard to keep anything from getting tangled in the wheel bearing. Check for and remove any twine which may have wrapped around the spindle.



- The main rotor and the agitators are equipped with removable twine guards. The guards are mounted to inside of the front and rear walls of the machine. The twine guards are bolted and need to be removed if you need to remove or tighten the bolts on the bearings or the hydraulic motors.
- Remove any twine which may have wrapped around the agitators.

Gearbox and Flail Replacement Procedure

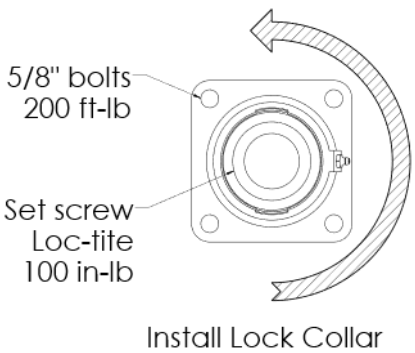
Flail replacement is accomplished by removing the 3/4"x 4-3/4" bolt holding the flail to the rotor. The flail is then lifted away from the rotor. The bushing can now be removed by using slight pressure to push it out of the flail. Inspect the bolt, bushing, and the flail for wear. If wear is excessive, replace with new parts.

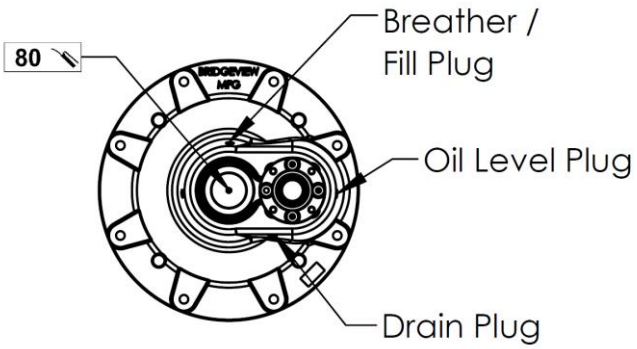


Bridgeview Manufacturing Inc. recommends when changing flails to change in **PAIRS** (opposite each other). Processing bales with broken flails causes the rotor to be out of balance and excessive vibration may cause machine deterioration.

If a new rotor is required, care must be taken when reinstalling:

- Clean the spline and shaft ends of the rotor of any debris
- Clean the inside of the gearbox. Check the splines for damage.
- Slide rear twine guard over the rotor
- Install new rotor bearing (if necessary). Torque to **200 ft-lb**
- Slide the rotor through the rear bearing. Do not tighten collar yet
- Install the gearbox over the rotor spline and bolt to the tub
- Check flail clearance of **1/2 to 5/8"** to tub panel
- Center the rotor in the tub so that the flails are centered between the hoops and slots
- Tighten bearing lock collar **counter-clockwise**. Apply *loc-tite* to the set screw and torque to **100 in-lb**.
- Check gearbox oil to the side plug level (~500 mL). Replace if necessary.
- Add **80 pumps** of grease to the front gearbox grease zerk.
- Install rear twine guard using 3/8" bolts.

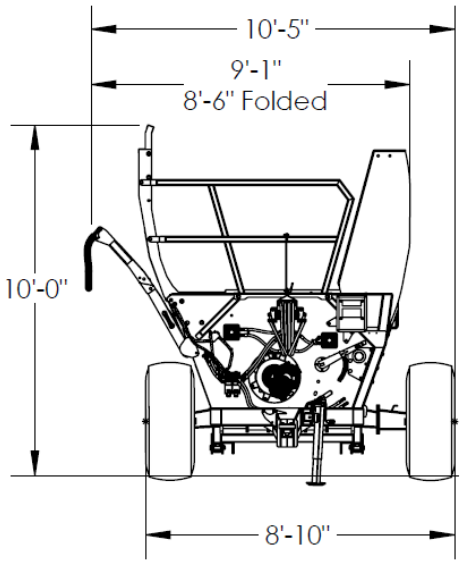


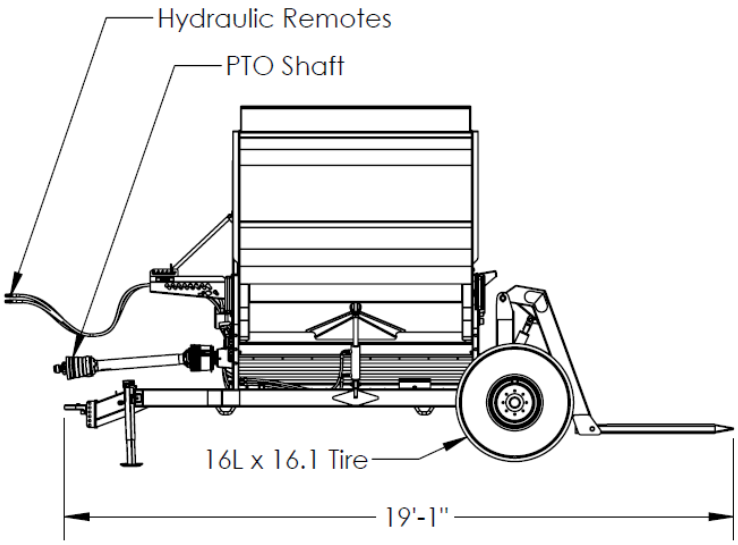


Troubleshooting Guide

Problem	Possible Cause	Remedy
Excessive main shear bolt breakage	Engaging PTO at high engine speed or too quickly	• Idle tractor to engage PTO then bring up to full operating speed • Feather PTO lever into position
	Excessive twine wrapped on rotor causing flail movement to be restricted	• Cut twine off rotor
	Broken flails causing rotor to be out of balance	• Replace broken flails (in pairs opposite each other)
	Overloading rotor	• Set hoops to less aggressive position • Slow rotation of bale • Change direction of bale rotation
	Incorrect shear bolt used	• Use correct shear bolt
	Operating machine at less than 1000 PTO RPM	• Operate machine at rated 1000 PTO RPM
Excessive vibration while processing bales	Excessive twine wrapped on rotor causing flail movement to be restricted	• Cut twine off rotor
	Broken flails causing rotor to be out of balance	• Replace broken flails (in pairs opposite each other)
	Overloading rotor	• Set hoops to less aggressive position • Slow rotation of bale • Change direction of bale rotation
	Operating machine at less than 1000 PTO RPM	• Operate machine at rated 1000 PTO RPM
	Rotor bearing failure	• Replace failed parts
Agitators stopping	Excessive loose material in tub causing agitator to jam	• Reverse direction of bale rotation • Turn bale more slowly
	Tractor relief pressure set too low	• Set tractor relief pressure to at least 2500 PSI
A single agitator stopping	Mechanical flow divider valve not functioning correctly	• Contact your dealer for repairs
	Coupler between motor and agitator broken	• Replace failed parts

Features and Specifications





Dimensions:

Overall Weight	4850 lb
Drawbar Weight	1400 lb
Overall Length (Forks Up)	15’-8”
Overall Width (Deflector Down)	11’-10”
Overall Width (Wing Open)	13’-2”
Rotor Extended Tip Diameter	27 in.
Discharge Opening	12 x 80 in.

Wheels:

Tire Size	16L x 16.1 8-ply
Tire Inflation	24 psi
Wheel Nut Torque	125 ft-lb

Driveline:

Minimum Horsepower	100 HP *Ensure sufficient horsepower for terrain driven.
PTO Shaft	Weasler: Cat. 6 80 deg. C.V.
Shear Bolt	3/8 x 2” Fine Thread Gr. 5
Rated PTO RPM	1000 RPM
Flail Tip Speed at 1000 RPM	7000 FPM
Number of Flails	28
Flail Size	3/4 x 1-1/2 x 7 in.
Flail Bushing	Oil Impregnated Brass
Rotor Shaft	1-15/16” Bearing
Gearbox Oil	GL5 80W90
Gearbox Oil Capacity	500 mL

Hydraulics:

Required Remotes	2 Standard
Minimum Flow Requirements	15 GPM
Minimum Pressure Requirements	1800 psi

Other:

Agitator Shaft	1-3/4” Bearings
Twine Guards	Rotor, Agitators, Axles
Adjustable Bale Fork Width (on centers)	48 in. or 40.5 in.
Adjustable Hitch Height	4 settings at 1.5 in. intervals (13” -17.5”)
Discharge deflector	Adjustable top and bottom Removable rubber end flap

PARTS MANUAL

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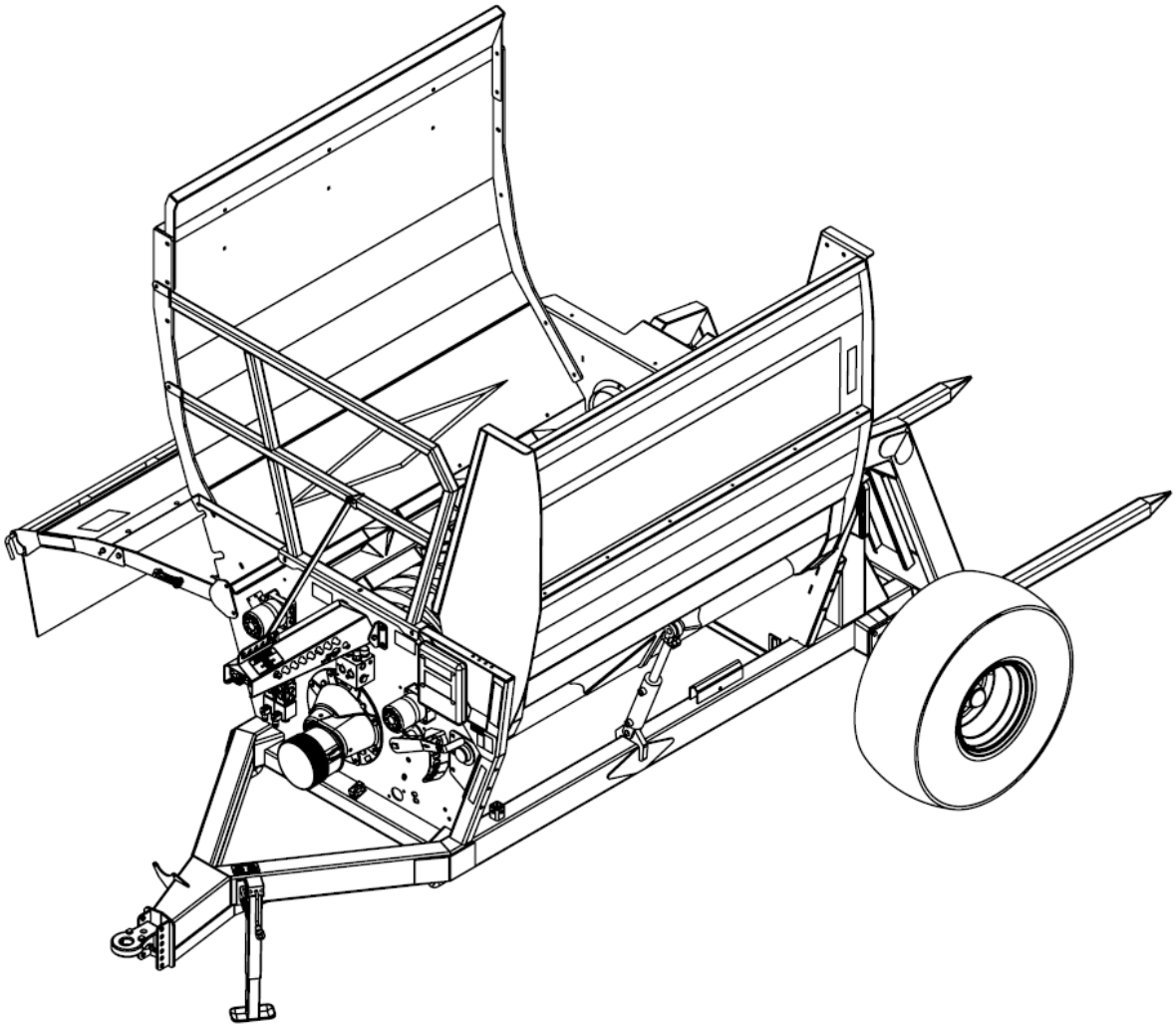
Machine Overview

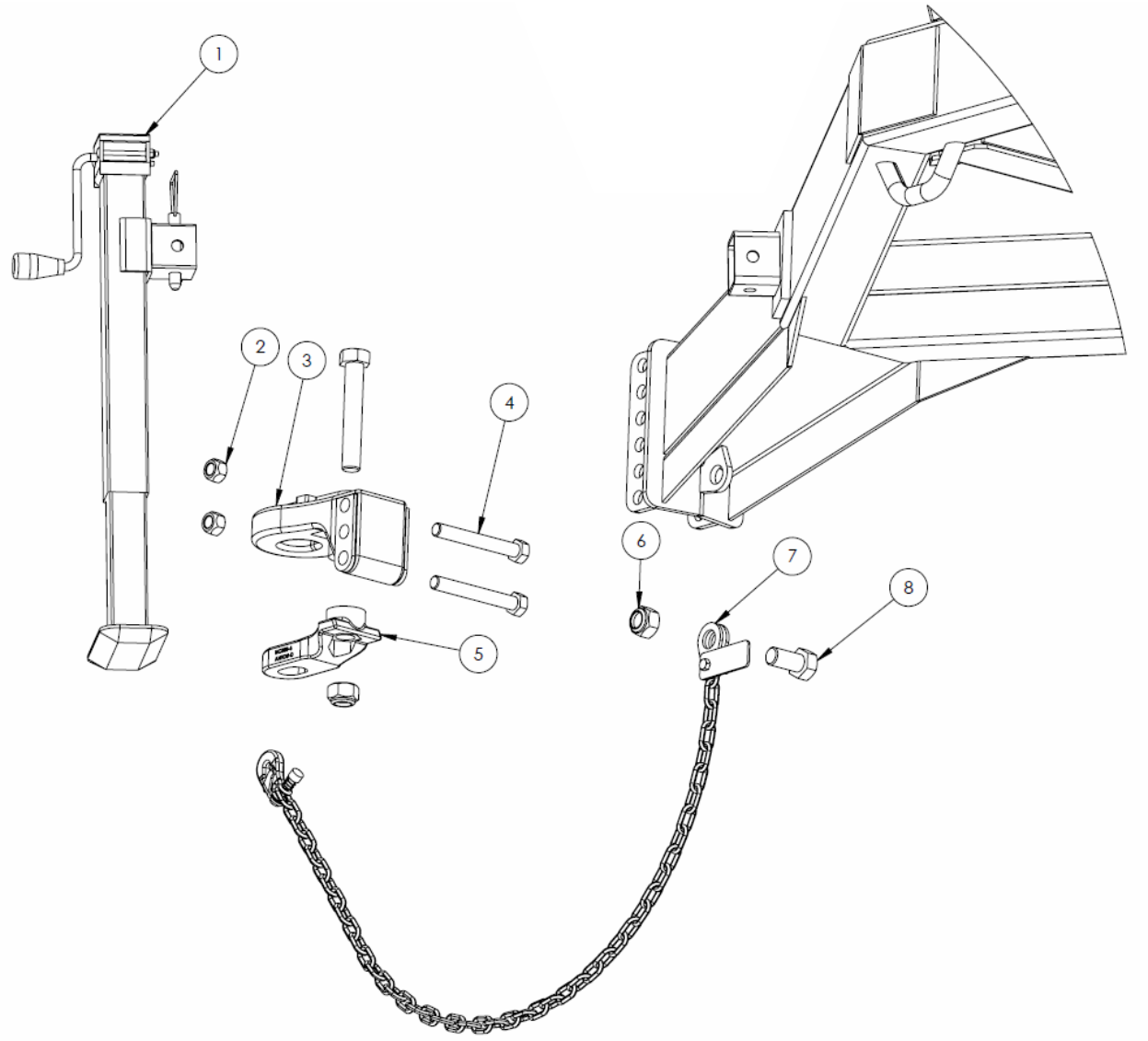


** CHECK YOUR SERIAL NUMBER BEFORE ORDERING PARTS **
** PAY ATTENTION TO SERIAL NUMBER SPLITS WHERE INDICATED **

LEFT AND RIGHT ARE DETERMINED STANDING AT THE REAR OF THE MACHINE LOOKING TOWARDS THE FRONT

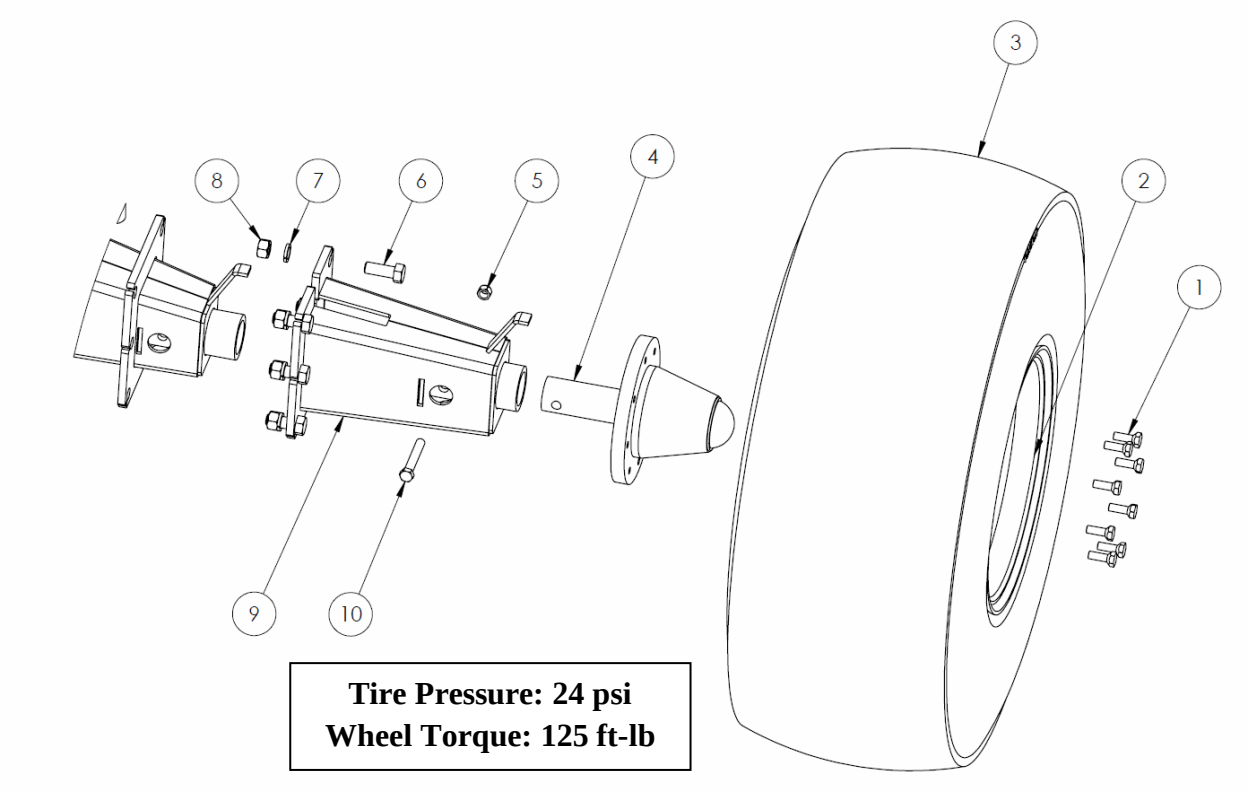
Per Quantities: A/R = As Required
Per ID#: NSS = Not Sold Separately

Jack & Hitch



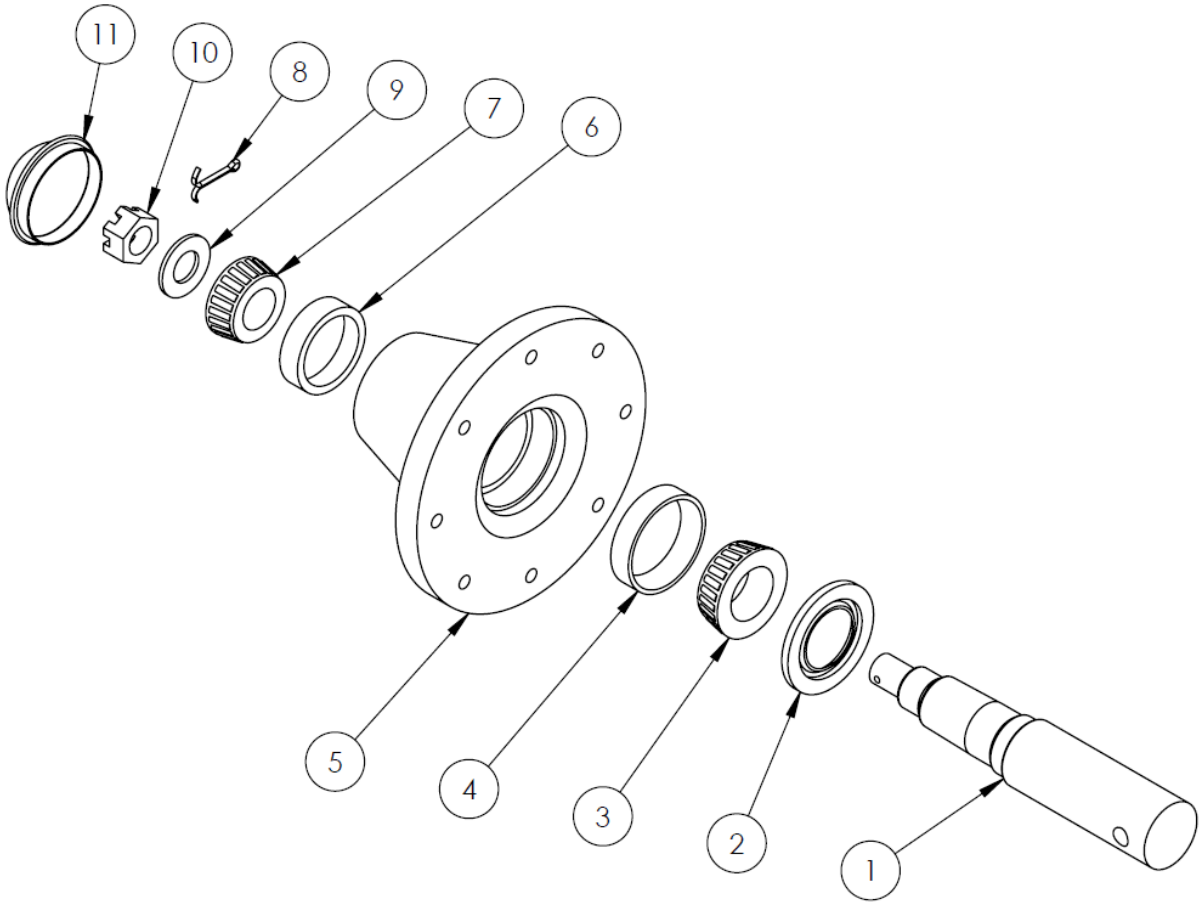
#	DESCRIPTION		PART #	QTY
1	Jack, 5000 lb	Comes with pin	31637	1
2	Nut, 3/4" Stover Lock		11823	2
3	Hitch Tongue		29785	1
4	Bolt, 3/4" x 5-3/4"		10802	2
5	Hitch Clevis Kit	Individual parts NSS	29786	1
6	Nut, 1” Stover Lock		21746	1
7	Safety Chain, 11000lb x 53"		21715	1
8	Bolt, 1” x 2”		18992	1

Wheels & Hub



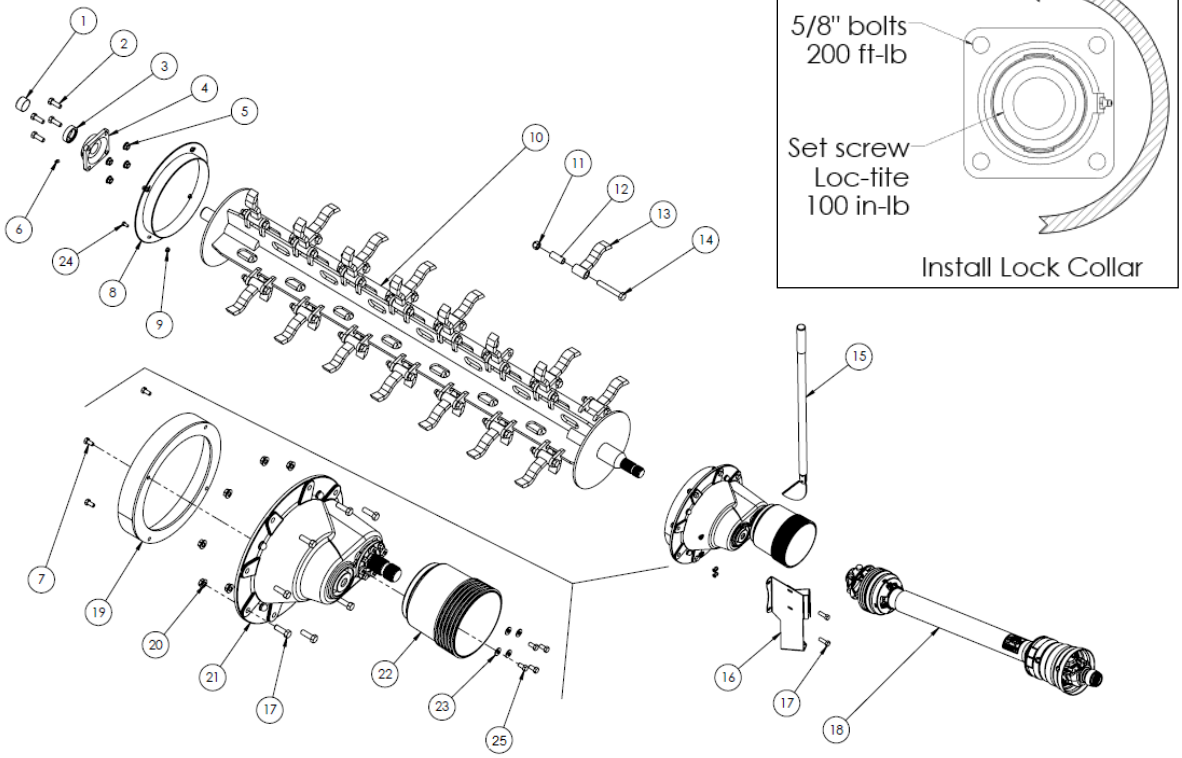
#	DESCRIPTION		PART #	QTY
1	Wheel Stud, 9/16 x 1-3/4" NF		10347	16
2	Rim, 16.1x14, 8 on 8"		10354	2
3	Tire, 16L-16.1 8 ply	See your local tire dealer	NSS	2
4	Hub & Spindle Assembly	See breakdown	29679	2
5	Stover Lock Nut, 9/16”		21165	2
6	Bolt, 3/4 x 2"		13800	6
7	Lock Washer, 3/4"		13717	6
8	Nut, 3/4"		10283	6
9	Axle Extension		30259	1
10	Bolt, 9/16 x 4”		33912	2

Hub & Spindle



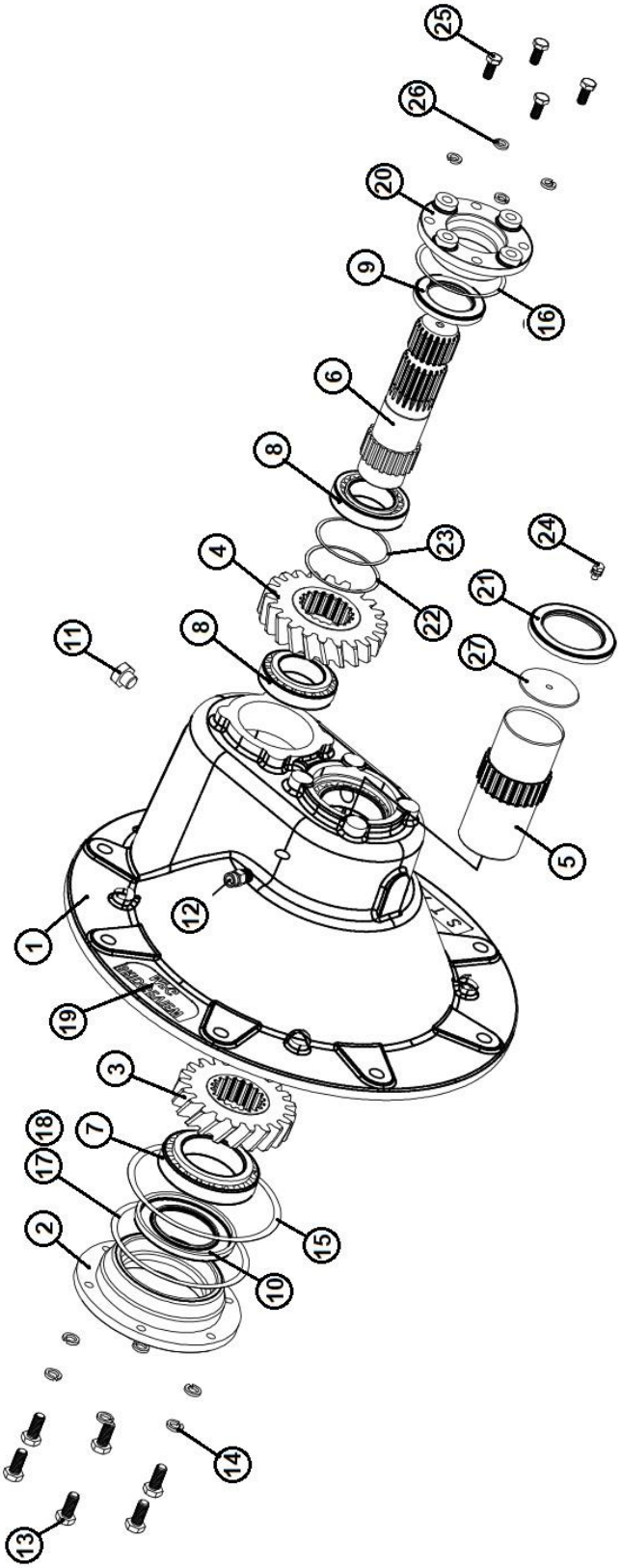
#	DESCRIPTION		PART #	QTY
	Complete Assembly		29679	1
1	6500lb Spindle		29730	2
2	Seal, 2" ID		10344	2
3	Inner Bearing Cone, 1.796" ID	LM25590	10345	2
4	Inner Bearing Race	25520	10349	2
5	Hub Housing	Includes #4 & #6	10343	2
6	Outer Bearing Race	25821	10346	2
7	Outer Bearing Cone, 1-3/8" ID	LM25877	10348	2
8	Cotter Pin, 3/16" x 1-1/2"		10072	2
9	Flat Washer, 1-1/6" ID x 2" OD		10071	2
10	Castle Nut, 1" NF		10153	2
11	Dust Cap		10350	2

Rotor & Drive Components



#	DESCRIPTION		PART #	QTY
1	Rotor Shaft Cap		17380	1
2	Bolt, 5/8" x 1-3/4" NF Gr. 8		10274	4
3	Lock Collar		10268	1
4	Rotor Bearing	Includes # 3 & 6	10221	1
5	Nut, 5/8" NF Serrated Flange Gr. 8		15398	4
6	Grease Zerk, 1/8" NPT Straight		10270	1
7	Bolt, 3/8" x 3/4"		11816	4
8	Rotor Twine Guard, Rear		22413	1
9	Nut, 3/8" Serrated Flange		10271	4
10	X-Rotor Weldment		22449	1
11	Nut, 3/4" Stover Lock		11823	28
12	Brass Flail Bushing		10005	28
13	Rotor Flail		22412	28
14	Bolt, 3/4" x 4-3/4"		10443	28
15	OPTIONAL Twine Cutter	See Breakdown	-	
16	OPTIONAL Twine Cutter Holder	See Breakdown	-	
17	Bolt, 1/2” x 1-1/2”		10174	8
18	PTO Shaft	See Breakdown	20546	1
19	Gearbox Twine Guard		23002	1
20	Nut, 1/2” Stover Lock		20154	8
21	Gearbox Assembly	See Breakdown	22158	1
22	PTO Safety Shield		34899	1
23	Flat Washer, 3/8"		11667	4
24	Bolt, 3/8 x 1"		13806	4
25	Bolt, M10 x 16		25154	4

Gearbox

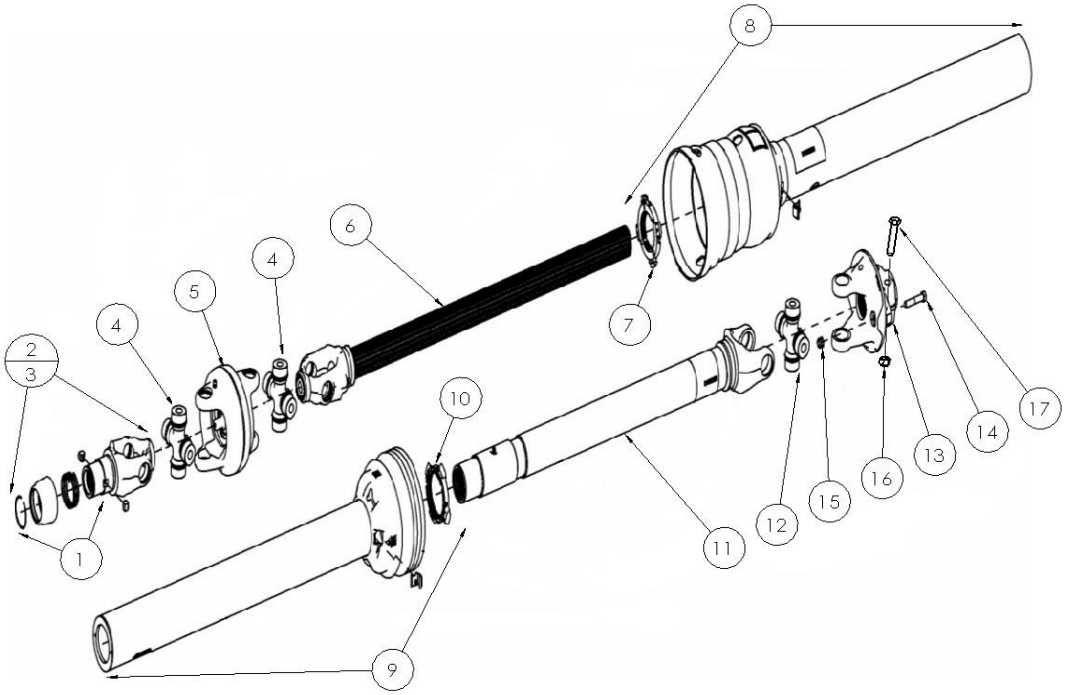


Gearbox

#	DESCRIPTION	PART #	QTY
	Complete Gearbox Assembly	22158	1
1	Housing	NSS	1
2	End Cap	NSS	1
3	Output Gear	NSS	1
4	Input Gear	NSS	1
5	Output Shaft	NSS	1
6	Input Shaft	NSS	1
7	Bearing (32012) 60 mm	10496	2
8	Bearing (32009) 45 mm	10497	2
9	Seal, 45 x 60 x 8	24013	1
10	Seal, 60 x 100 x 10	10498	1
11	Pipe Plug, 3/8" NPT	24014	2
12	Relief Plug, 3/8" NPT	24015	1
13	Bolt, M8 x 25 Gr. 8.8	24026	6
14	Lock Washer, M8	24016	6
15	O-Ring	24017	1
16	O-Ring	24018	1
17	Shim, 125 x 164 x 0.1	24022	2
18	Shim, 125 x 164 x 0.3	24023	2
19	Name Plate (Bridgeview)	NSS	1
20	End Cap	NSS	1
21	Seal, 60 x 85 x 10	10500	1
22	Shim, 68 x 74.5 x 0.1	24024	2
23	Shim, 68 x 74.5 x 0.3	24025	2
24	Grease Zerk, 1/4"-28 Straight	26219	1
25	Bolt, M10 x 25	15087	4
26	Lock Washer, M10	24021	4
27	Press Cup	24446	1

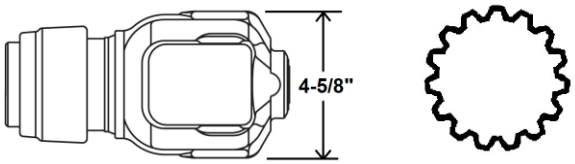
NOTE: Items with no part number are not sold separately. A complete gearbox is required.

PTO Shaft

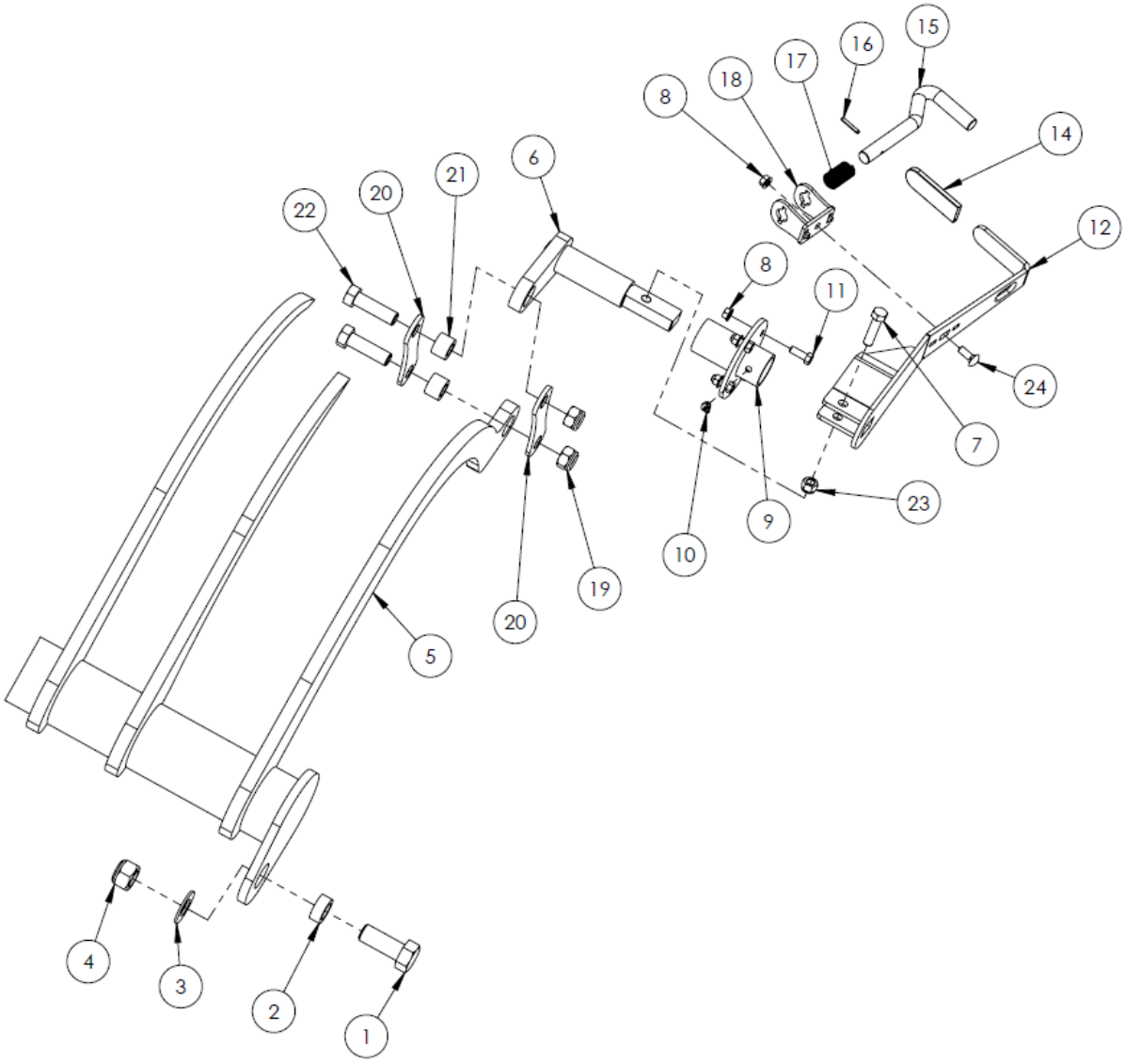


#	DESCRIPTION	PART #	QTY
	Complete PTO Shaft Assembly (1-3/8")	20546	1
1a	Safety Slide Lock Repair Kit (1-3/8"-21 Spline)	17567	(1)
1b	Safety Slide Lock Repair Kit (1-3/4"-20 Spline)	24981	(1)
2	WWCV Auto-Lok Yoke Assembly (1-3/8"-21 Spline)	20549	(1)
3	WWCV Auto-Lok Yoke Assembly (1-3/4"-20 Spline)	20556	(1)
4	CV Cross and Bearing Kit (Equal Length)	20550	2
5	CV Center Housing	20551	1
6	Yoke & Shaft Assembly Tractor Side	20552	1
7	Guard Repair Kit Tractor Side	20553	1
8	Guard Assembly Tractor Side	17583	1
9	Guard Assembly Implement Side	17585	1
10	Guard Repair Kit Implement Side	17572	1
11	Yoke & Tube Assembly Implement Side	17584	1
12	U-joint Cross & Bearing Kit	17573	1
13	Shear Assembly * Does not come with bolts 14 or 17 *	29963	1
14	Shear Bolt, 3/8" x 2" Fine Thread	33285	1
15	Nut, 3/8" Fine Thread Stover Lock	33286	1
16	Nut, 5/8" Stover Lock	24982	2
17	Bolt, 5/8" x 3-1/2"	24983	2

NOTE: Ensure that the PTO shaft on the machine is correct to the drawings below. Equal length CV cross (4.19") with bearing cup diameter 1.38". If the damaged PTO has different dimensions, consult the Bridgeview Manufacturing website.



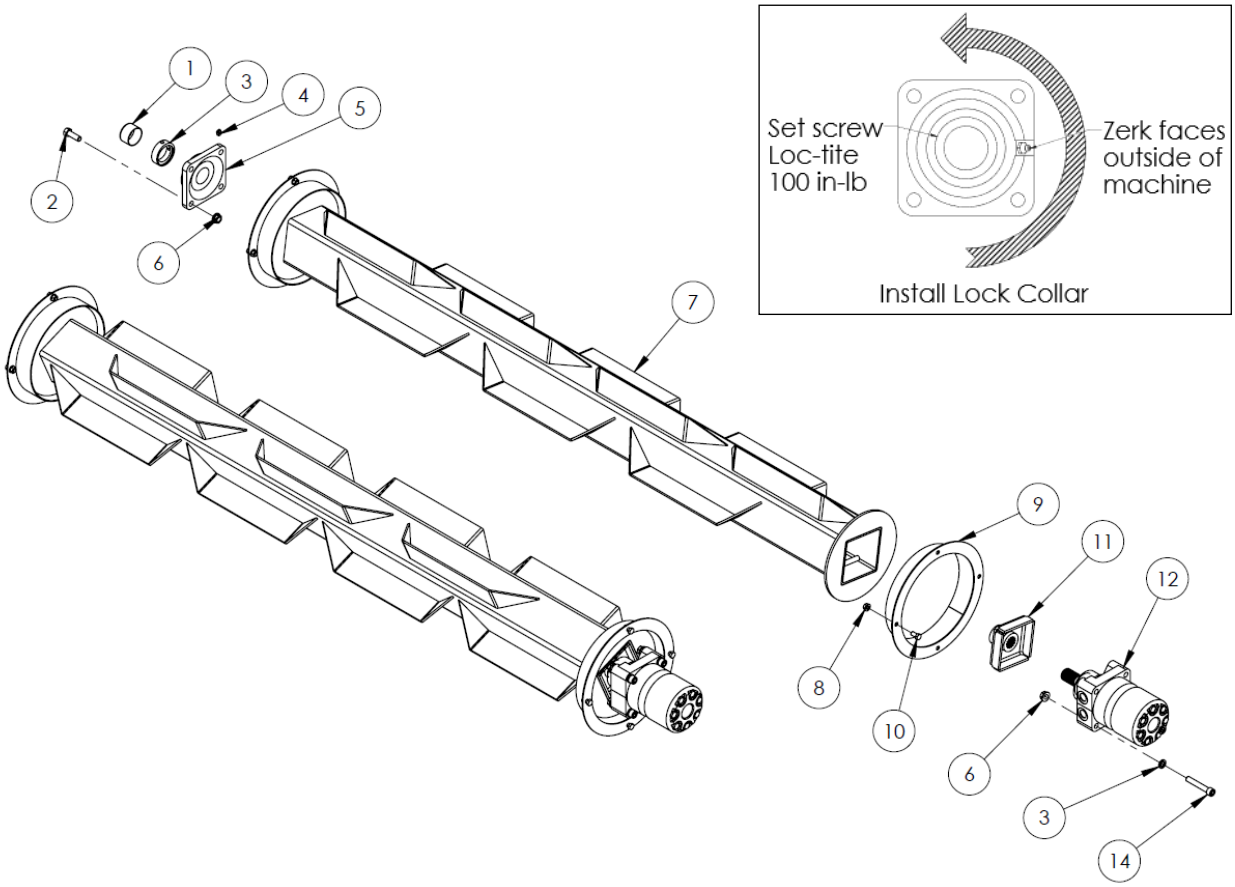
Grates



Grates

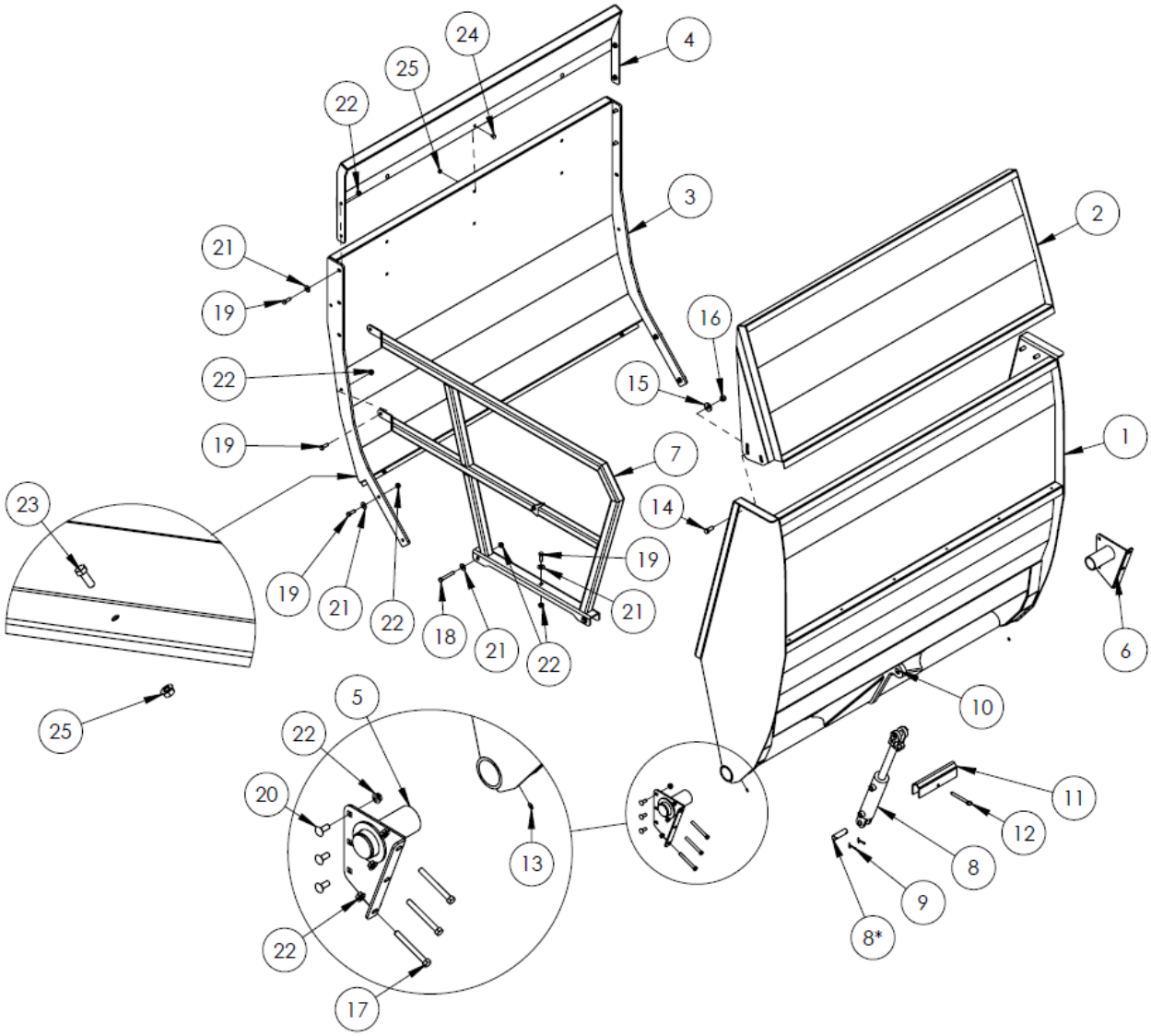
#	DESCRIPTION		PART #	QTY
1	Bolt, 1" x 2-1/2"		21820	2
2	Grate Pivot Bushing		22417	2
3	Flat Washer, 1"		14472	2
4	Nut, 1" Stover Lock		21746	2
5	Grate Assembly		29944	1
6	Grate Adjustment Cam		31720	1
7	Bolt, 1/2” x 2”		10322	1
8	Nut, 3/8" Serrated Flange		10271	5
9	Grate Handle Pivot	Comes with grease zerk	31715	1
10	Grease Zerk, 1/4”-28 x 45°		20888	1
11	Bolt, 3/8" x 1"		13806	4
12	Grate Handle	Comes with #18,24,8	31725	1
13	Washer, 3/8” Flat		11667	-
14	Rubber Cover		10297	1
15	S-Handle		22187	1
16	Roll Pin, 3/16" x 1-1/4"		10302	1
17	Grate Handle Spring		10301	1
18	Handle Spring Guide		33693	1
19	Nut, 3/4" Nylon Lock		10007	2
20	Grate Shackle		31709	2
21	Grate Shackle Bushing		22415	2
22	Bolt, 3/4" x 2-1/2"		14470	2
23	Nut, 1/2” Nylon Lock		10241	1
24	Bolt, 3/8 x 1” Carriage		15718	1

Agitators



#	DESCRIPTION		PART #	QTY
1	Agitator Shaft Cap		17381	2
2	Bolt, 1/2" x 1-1/2"		10174	8
3	Lock Collar		10040	2
4	Grease Zerk, 1/8" NPT Straight		10270	2
5	Agitator Bearing	Includes # 3 & 4	10038	2
6	Nut, 1/2" Serrated Flange		10273	16
7	Agitator		31596	2
8	Nut, 3/8" Serrated Flange Nut, 3/8” Nylon Lock Nut, 5/16” Serrated Flange	All EXCEPT below Rear Right (Wire Clip) Front Right (Hydraulic Lock)	10271 10806 11814	14 1 1
9	Agitator Twine Guard		22419	4
10	Bolt, 3/8" x 3/4" Bolt, 3/8 x 1” Bolt, 3/8 x 1” Nut, 5/16 x 2”	All EXCEPT below Front Left (Manual Holder) Rear Right (Wire Clip) Front Right (Hydraulic Lock)	11816 13806 13806 15572	12 2 1 1
11	Agitator Insert		22084	2
12	Agitator Motor, 8" Long * Seal Kit		25872 25891	2
13	Lock Washer, 1/2"		14447	8
14	Socket Head Bolt, 1/2" x 3"		25952	8

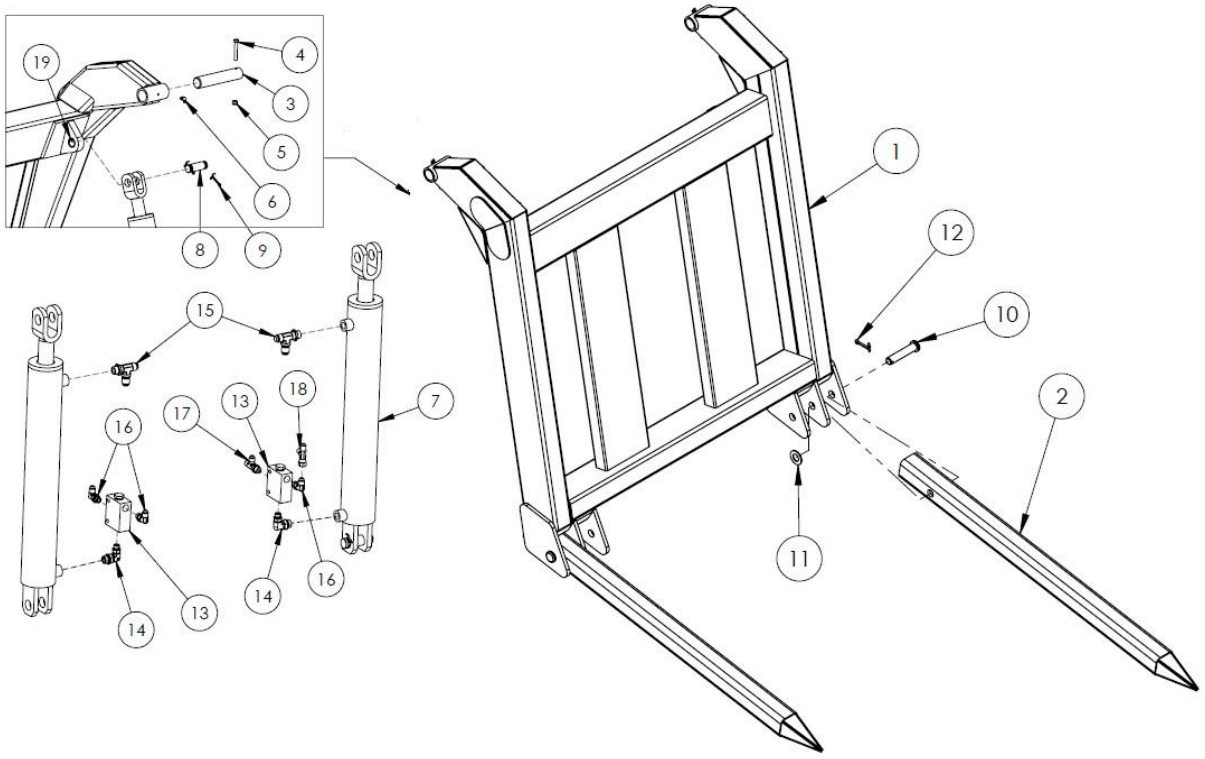
Upper Tub Components



Upper Tub Components

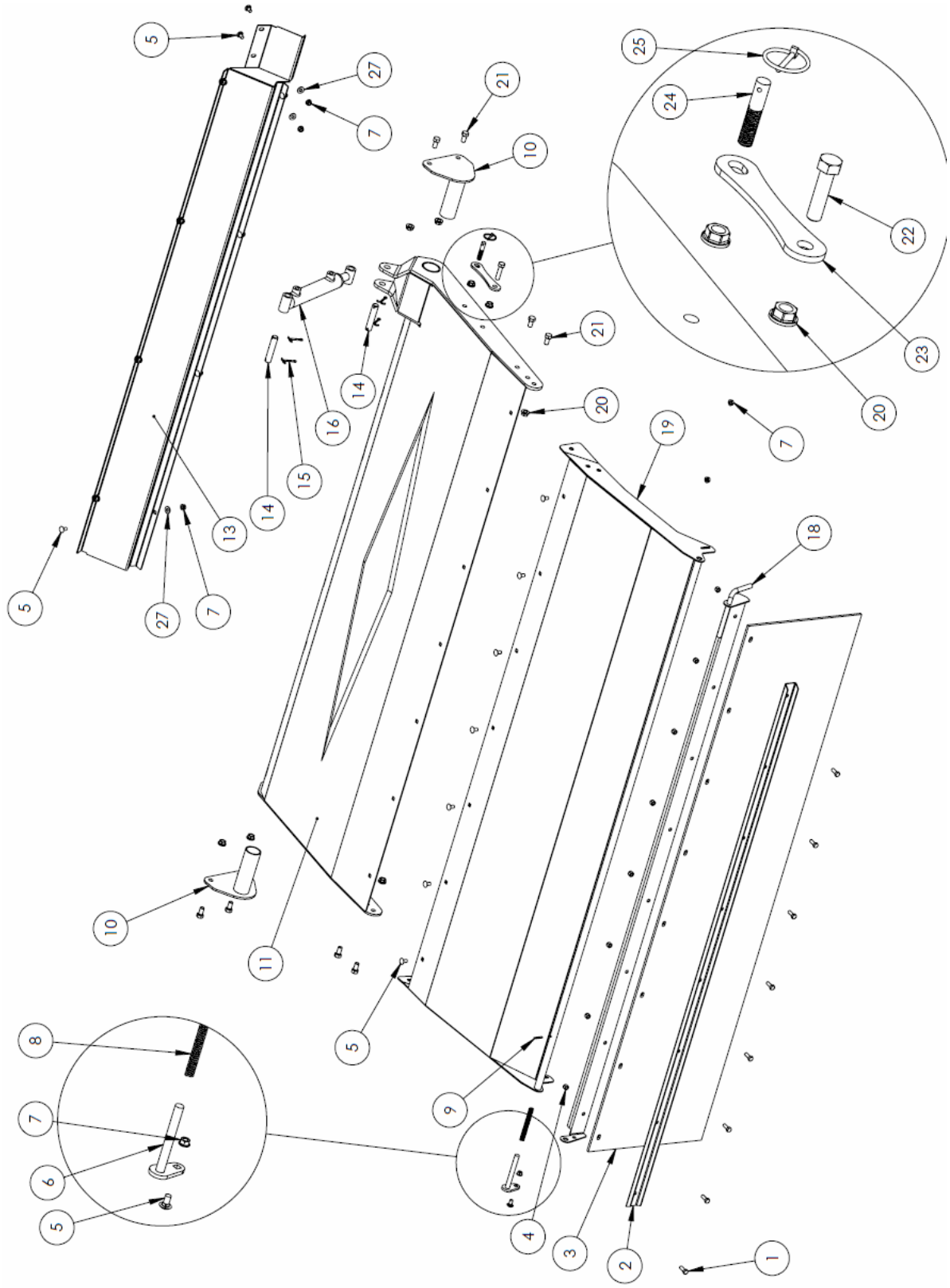
#	DESCRIPTION		PART #	QTY
1	Pivoting Wing		35092	1
2	Optional Wing Extension Kit # Includes 14,15,16		35127	1
3	Fixed Wing		35094	1
4	Fixed Wing Extension		35096	1
5	Front Wing Mount		24966	1
6	Rear Wing Mount		24967	1
7	Front Rack		35098	1
8	Hydraulic Cylinder * Cylinder Pins * Seal Kit	2.5 x 8 x 1.5" Included with cylinder	17443 10341 17609	1 2
9	Cotter Pin, 3/16 x 1-1/2”		10072	4
10	Bushing Insert, 1”	Included in #1	23708	2
11	Wing Cylinder Lock		24973	1
12	1/2" x 4" Quick Pin		21709	1
13	Grease Zerk 1/4"-28		16364	2
14	Bolt, 5/8 x 1-1/2”		10173	4
15	Washer, 5/8” Heavy Flat		21390	4
16	Nut, 5/8” Nylon Lock		10364	4
17	Bolt, 1/2 x 4-1/2"		15574	6
18	Bolt, 1/2 x 3-1/2"		10353	2
19	Bolt, 1/2 x 1-1/2"		10174	11
20	Bolt, 1/2 x 1-1/4" Carriage		11819	6
21	Washer, 1/2" Flat		11668	11
22	Nut, 1/2" Serrated Flange		10273	25
23	Bolt, 3/8 x 1"		13806	4
24	Bolt, 3/8 x 3/4” Carriage		14072	3
25	Nut, 3/8" Serrated Flange		10271	7

Rear Forks



#	DESCRIPTION	PART #	QTY
1	Rear Fork Frame	22420	1
2	Fork Tine	22421	2
3	Rear Fork Pivot Pin	22006	2
4	Bolt, 3/8" x 2-3/4"	20908	2
5	Nut, 3/8" Nylon Lock	10806	2
6	Grease Zerk, 1/4” x 90°	16389	2
7	Hydraulic Cylinder, 3 x 18 x 1-1/2" * Seal Kit	21717 20807	2
8	Cylinder Pin, 1 x 3-1/2"	10339	4
9	Cotter Pin, 3/16" x 1-1/2"	10072	8
10	Fork Tine Pin	10031	2
11	Flat Washer, 1"	14472	2
12	Cotter Pin, 1/4" x 2"	10580	2
13	Hydraulic Check Valve	19114	2
14	Hyd. Fitting, 8MB - 6MB90	33739	2
15	Hyd. Fitting, 8MBR - 8MJT	22159	2
16	Hyd. Fitting, 6MB - 6MJ90	10201	3
17	Hyd. Fitting, 6MBR - 6MJT	23726	1
18	Hyd. Fitting, 6FJXR - 6MJT	15760	1
19	Bushing Insert, 1" Included in #1	23708	4

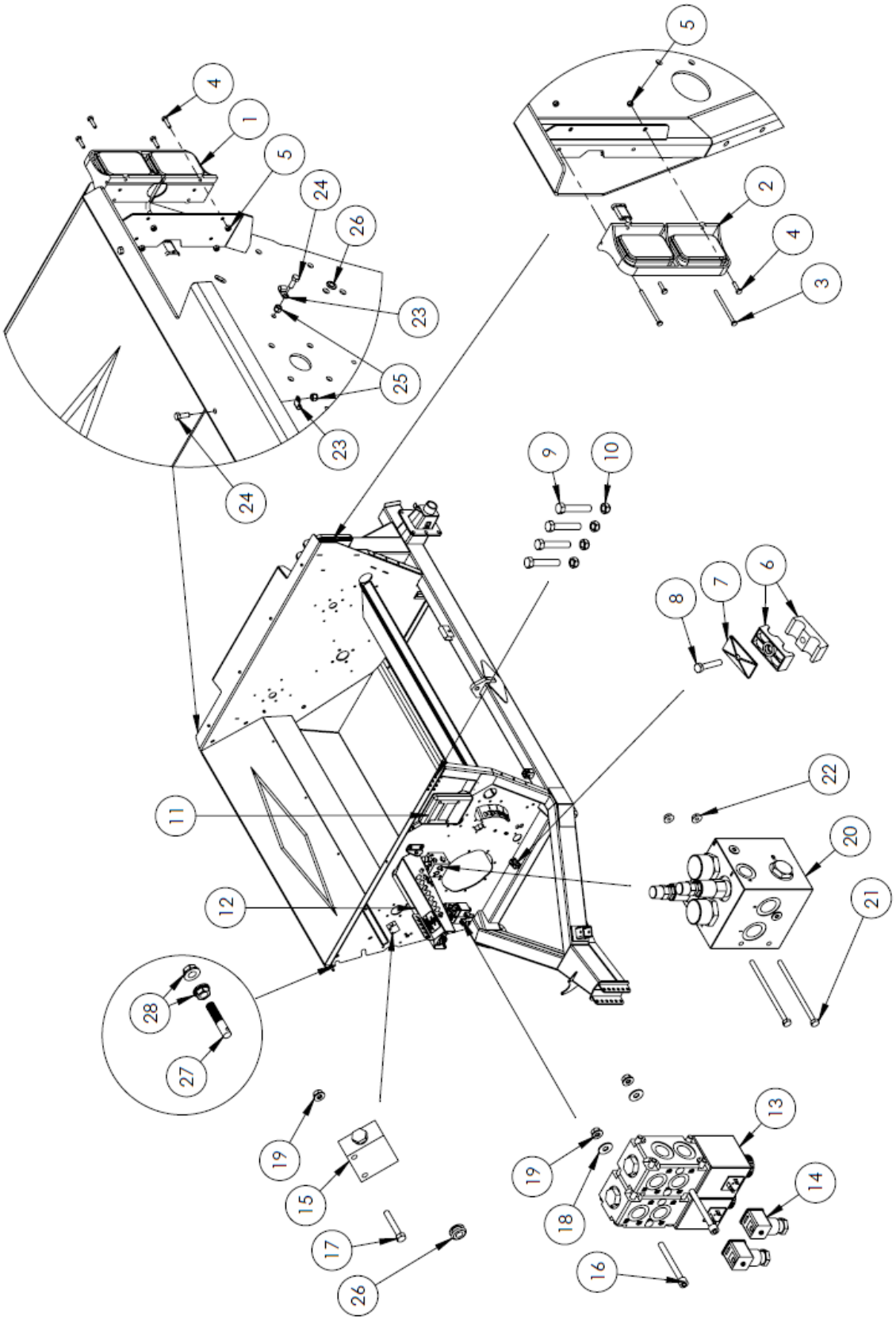
Deflector & Hose Cover



Deflector & Hose Cover

#	DESCRIPTION	PART #	QTY
1	Bolt, 3/8" x 1"	13806	8
2	Deflector Rubber Channel	22423	1
3	Deflector Rubber	10477	1
4	Nut, 3/8" Nylon Lock	10806	8
5	Carriage Bolt, 3/8" x 3/4"	14072	18
6	Deflector Flipper Pin	24464	1
7	Nut, 3/8" Serrated Flange	10271	18
8	Compression Spring	24461	1
9	Roll Pin, 3/16" x 1-1/4"	10302	1
10	Deflector Pivot	22426	2
11	Inner Deflector	32196	1
13	Hose Cover	32191	1
14	Cylinder Pin, 3/4" x 3" Usable	22007	2
15	Cotter Pin, 3/16" x 1-1/4"	11669	4
16	Hydraulic Cylinder, 1-1/2" x 6" x 1" * Seal Kit	21711 23738	1
18	Deflector Rubber Flipper	24463	1
19	Outer Deflector	31754	1
20	Nut, 1/2" Serrated Flange	10273	12
21	Bolt, 1/2" x 1"	10824	8
22	Bolt, 1/2" x 2"	10322	1
23	Deflector Lock	22422	1
24	Pin Stud	13231	1
25	Lynch Pin	13233	1
27	Flat Washer, 3/8"	11667	10

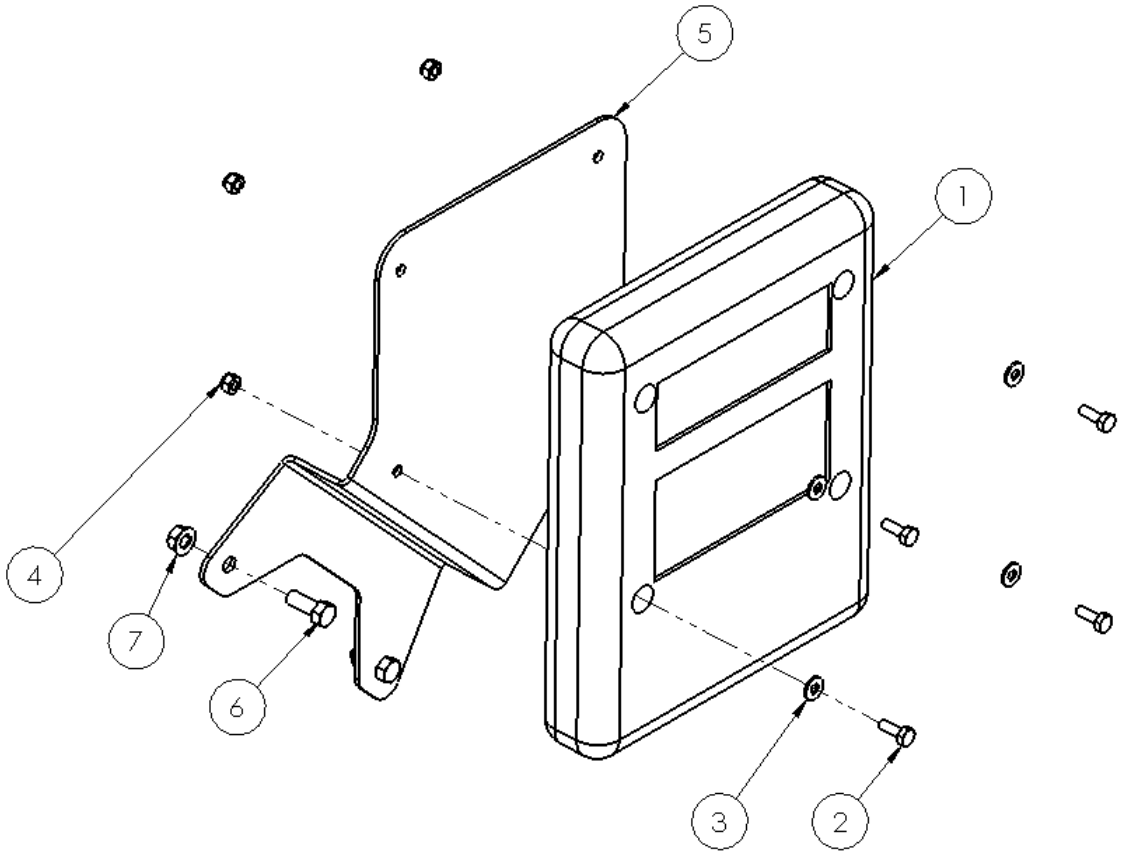
Main Frame



Main Frame

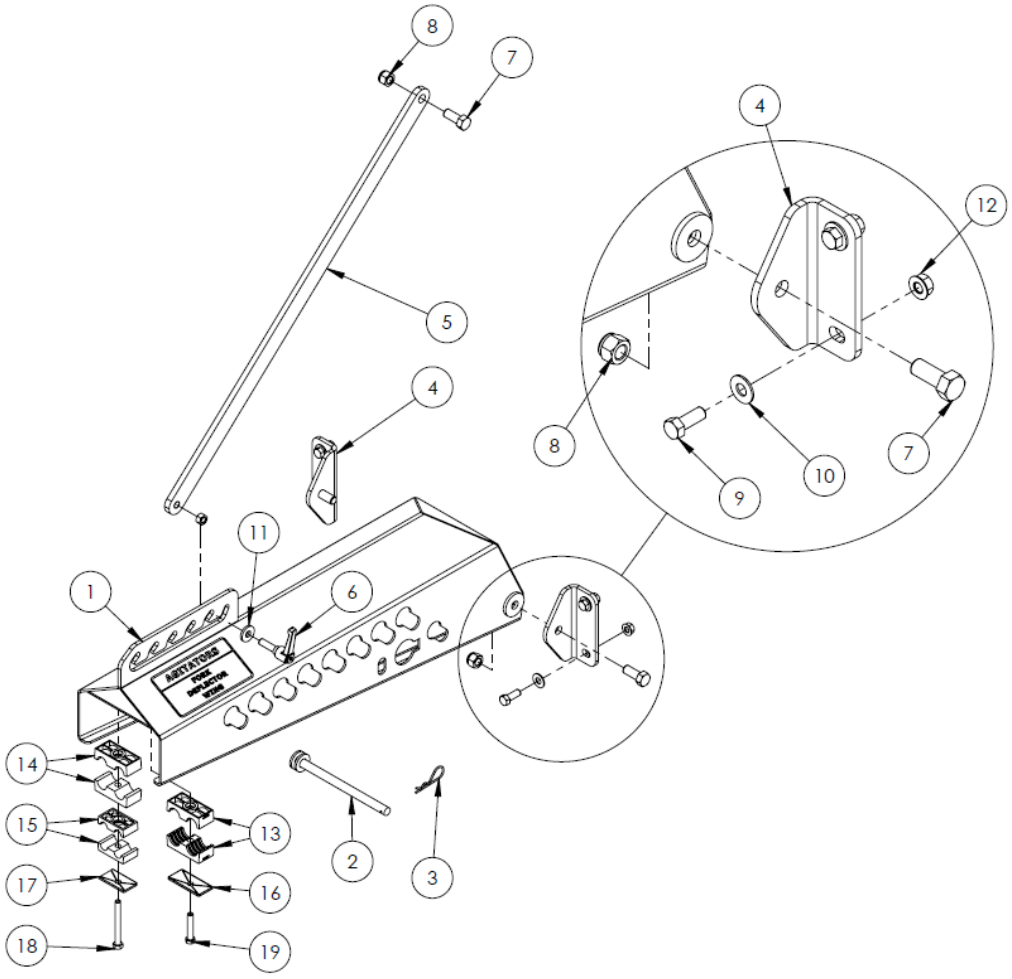
#	DESCRIPTION	PART #	QTY
1	Dual Light Assembly, RH	31088	1
2	Dual Light Assembly, LH	31087	1
3	Bolt, 1/4 x 4”	21734	2
4	Bolt, 1/4 x 1”	11810	6
5	Nut, 1/4” Nylon Lock	11664	8
6	Hydraulic Hose Clamp	22180	1
7	Hydraulic Hose Clamp Cap	21725	1
8	Bolt, 5/16" x 1-3/4"	21726	1
9	Shear Bolt, 3/8" x 2" NF Gr. 5 Bolt	33285	4
10	3/8" NF Stover Nut	33286	4
11	Operator Manual Holder *See breakdown*		1
12	PTO/Hose Holder *See breakdown*		1
13	Diverter Valve * Double Stack Kit * Nut & O-Ring Kit * Magnet Kit	11743 12895 17977 11798	2
14	Valve Plug	13657	2
15	Pilot Operated Check Valve	19114	1
16	5/16 x 3” Socket Head Bolt	11783	2
17	5/16 x 2” Bolt	15572	2
18	5/16” Flat Washer	12496	2
19	5/16” Nylon Lock Nut	11815	4
20	Flow Divider Valve	25778	1
21	Bolt, 1/4 x 5”	25951	2
22	Nut, 1/4” Nylon Lock	11664	2
23	Wire Clamp	13629	5
24	Bolt, 3/8 x 1"	13806	5
25	Nut, 3/8" Nylon Lock	10806	5
26	Grommet	21428	2
27	Pin Stud	13231	1
28	Nut, 1/2” Serrated Flange	10273	2

Manual Holder



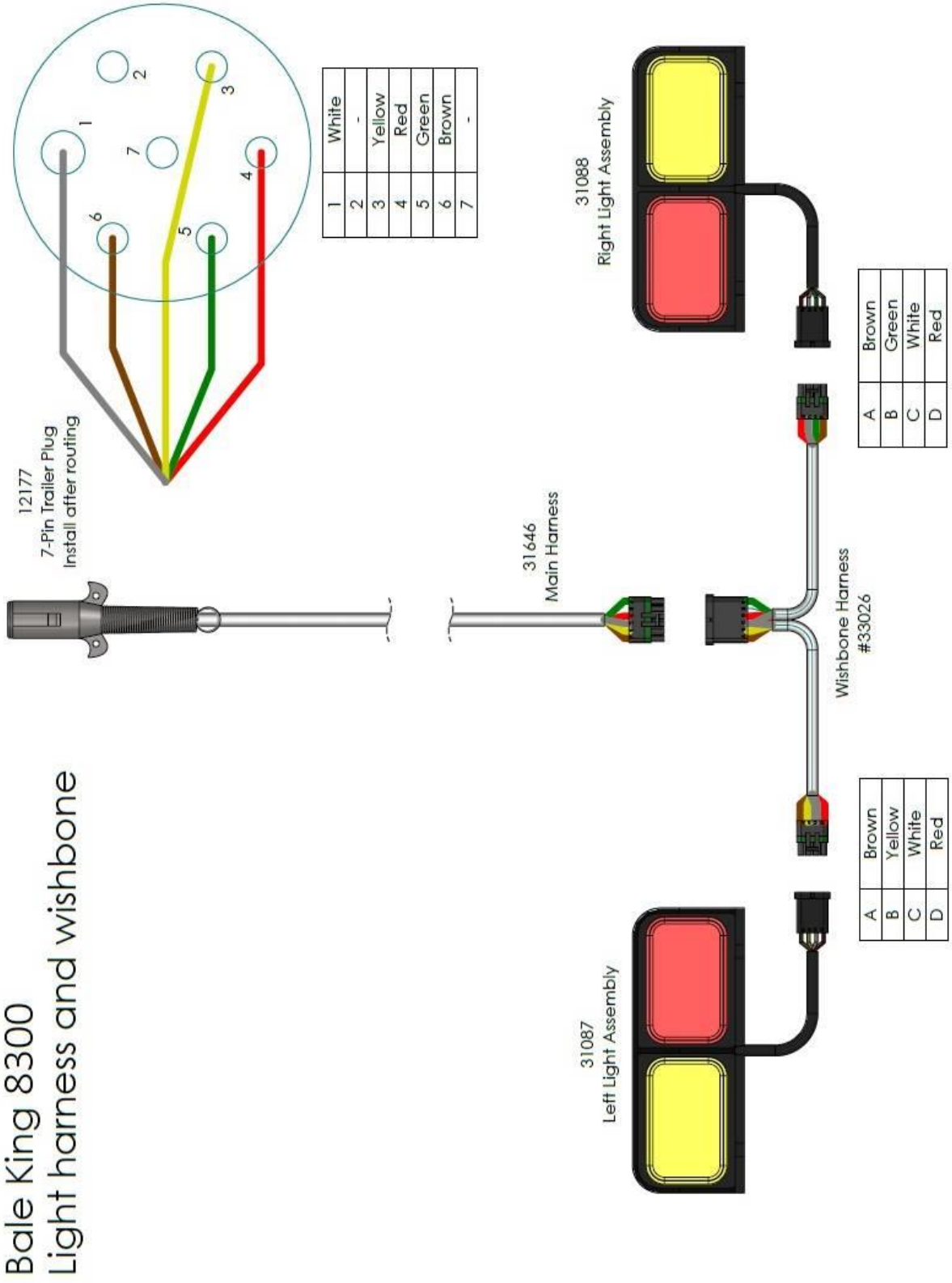
#	DESCRIPTION	PART #	QTY
1	Operator's Manual Cover	22409	1
2	1/4" x 3/4" Bolt	11809	4
3	1/4” Flat Washer	11666	4
4	1/4" Nylon Nut	11664	4
5	Manual Cover Mount	24972	1
6	3/8" x 1" Bolt	13806	2
7	3/8" Serrated Flange Nut	10271	2

Hose Holder

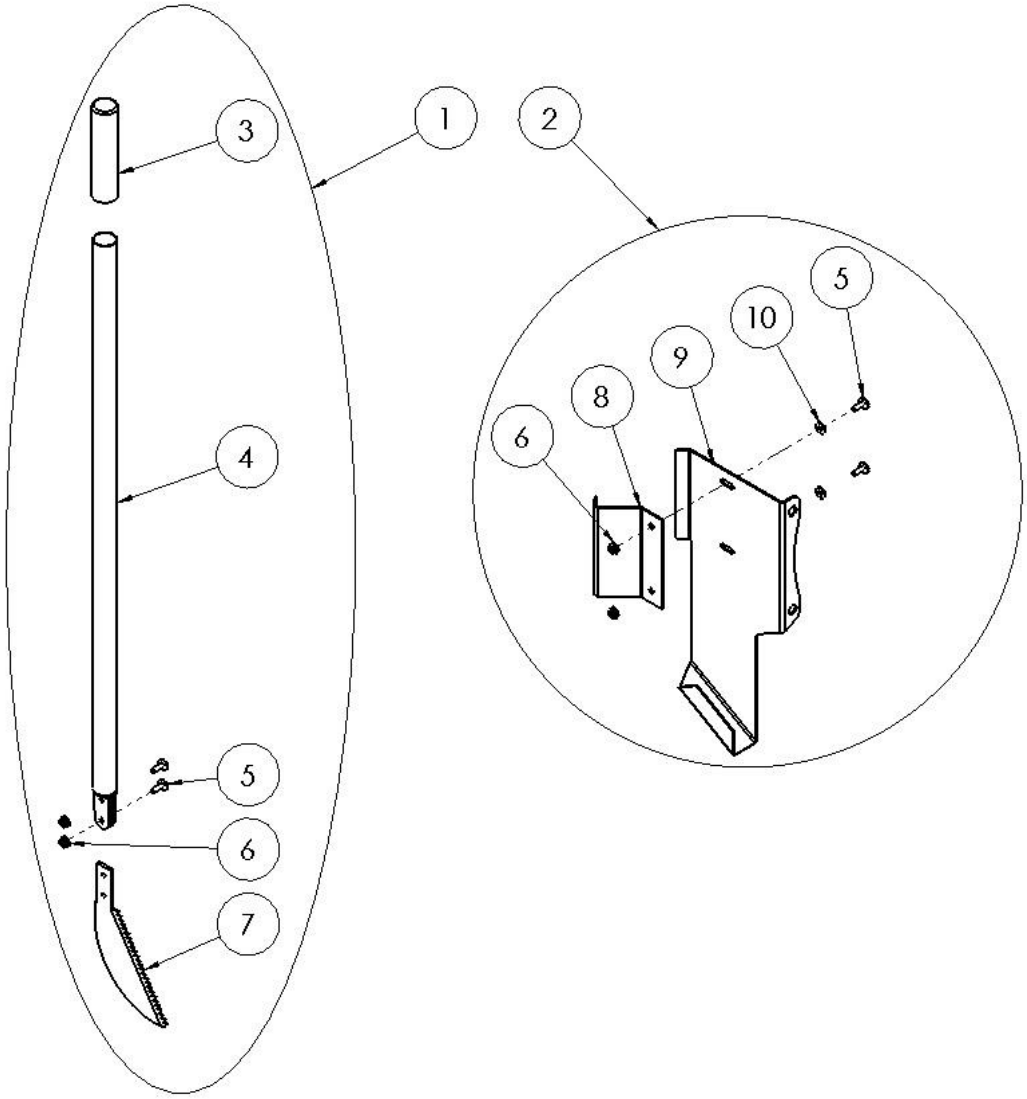


#	DESCRIPTION	PART #	QTY
1	Adjustable Hose Holder	35038	1
2	Hose Holder Pin	31745	1
3	Hairpin, 3/32 x 5/8”	11786	1
4	Hose Holder Pivot Bracket	35041	2
5	Hose Holder Linkage	35040	1
6	Threaded Adjustable Handle	34944	1
7	Bolt, 1/2 x 1-1/4”	10240	3
8	Nut, 1/2” Nylon Lock	10241	3
9	Bolt, 3/8" x 1"	13806	4
10	Flat Washer, 3/8"	11667	4
11	Flat Washer, 3/8” Heavy	33189	1
12	Nut, 3/8" Serrated Flange	10271	4
13	Hydraulic Hose Clamp, 1/2”	21561	2
14	Hydraulic Hose Clamp, 3/8”	22180	2
15	Hydraulic Hose Clamp, 1/4”	22181	2
16	Hydraulic Hose Clamp Cap, Large	21725	1
17	Hydraulic Hose Clamp Cap, Small	22182	1
18	Bolt, 5/16” x 3”	22844	1
19	Bolt, 5/16” x 1-3/4”	21726	1

Lights & Harness

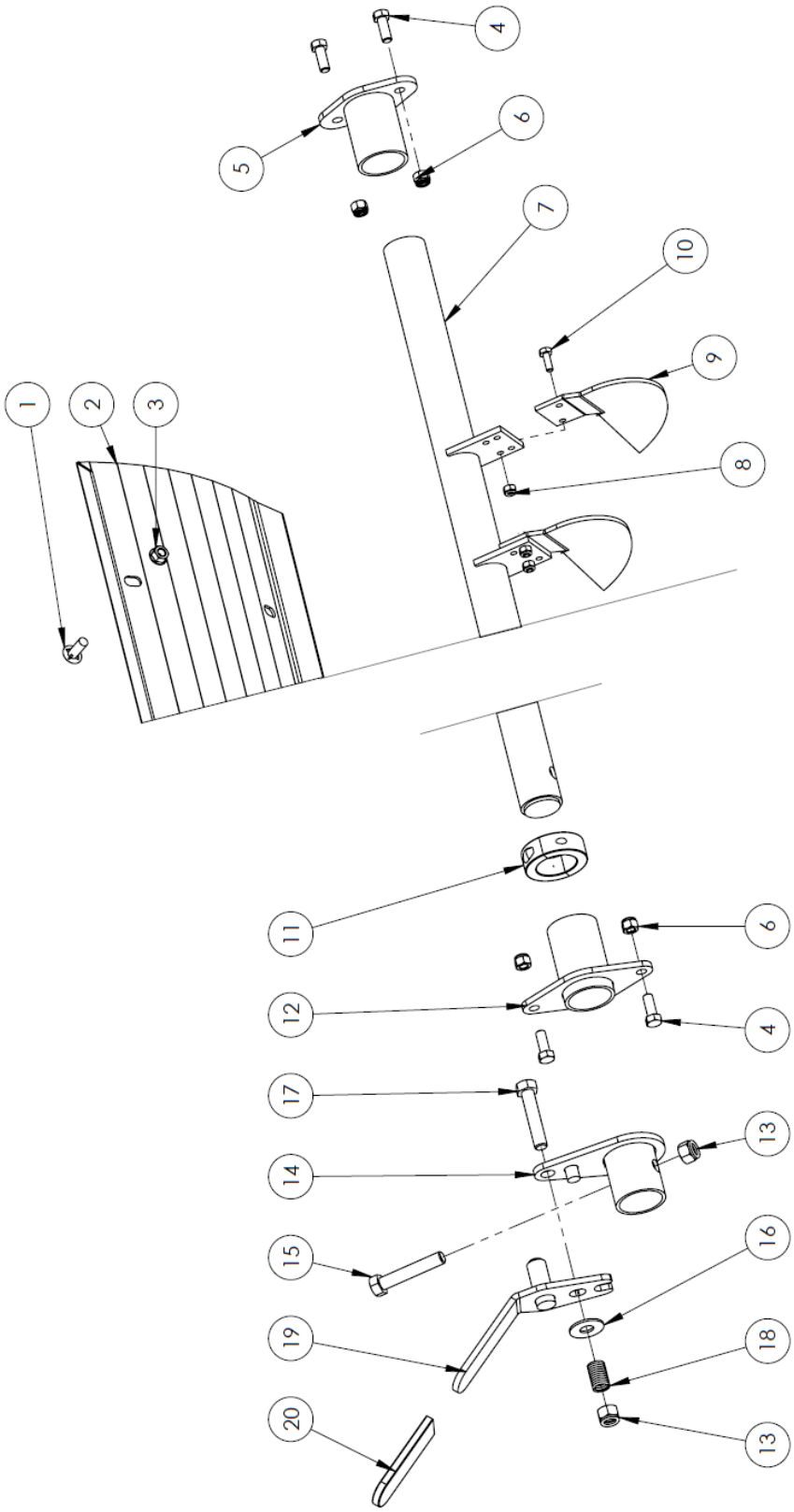


Twine Cutter (Option)



#	DESCRIPTION	PART #	QTY
	Twine Cutter Kit	**17686**	1
1	Twine Cutter Handle Kit	-	1
2	Twine Cutter Holder Kit	21549	1
3	Rubber Handle Cap	17587	1
4	Twine Cutter Handle	20862	1
5	Bolt, 1/4" x 3/4" Truss Head	17638	4
6	Nut, 1/4" Serrated Flange	11812	4
7	Twine Cutter Blade	17438	1
8	Twine Cutter Holder Inside Bracket	17690	1
9	Twine Cutter Holder Outside Bracket	17691	1
10	Flat Washer, 1/4"	13763	2

Fine Chop Kit (Option)

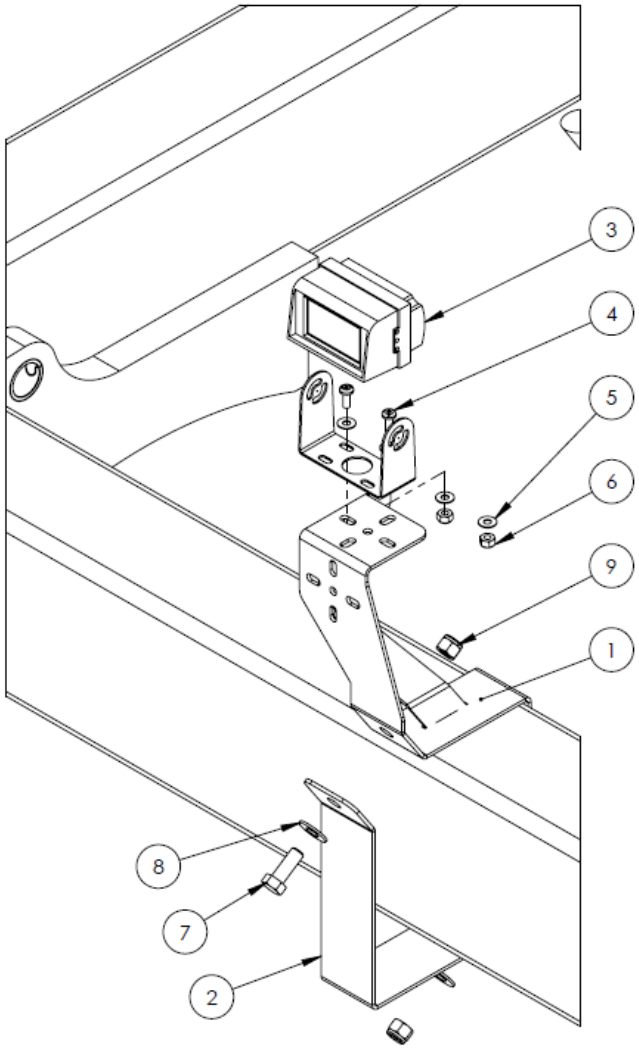


Fine Chop Option

#	DESCRIPTION	PART #	QTY
	Fine Chop Cover * IF NO FINE CHOP INSTALLED *		
1	Fin Bolt, 3/8" x 3/4"	10807	8
2	Fine Chop Cover Plate	22438	1
3	Nut, 3/8" Serrated Flange	10271	8

	Fine Chop Kit * Optional *	32117	1
4	Bolt, 3/8" x 1"	13806	4
5	Fine Chop Mount	22444	1
6	Nut, 3/8" Nylon Lock	10806	4
7	Fine Chop Bar	32118	1
8	Nut, 1/4" Nylon Lock	11664	26
9	Fine Chop Blade	10404	13
10	Bolt, 1/4" x 3/4"	11809	26
11	Split Collar	12792	1
12	Fine Chop Front Mount	32122	1
13	Nut, 1/2" Nylon Lock	10241	2
14	Fine Chop Pivot	32127	1
15	Bolt, 1/2” x 2-3/4”	12378	1
16	Flat Washer, 1/2”	11668	1
17	Bolt, 1/2” x 2-1/2”	10804	1
18	Compression Spring	21713	1
19	Fine Chop Handle	32132	1
20	Rubber Cover	10297	1

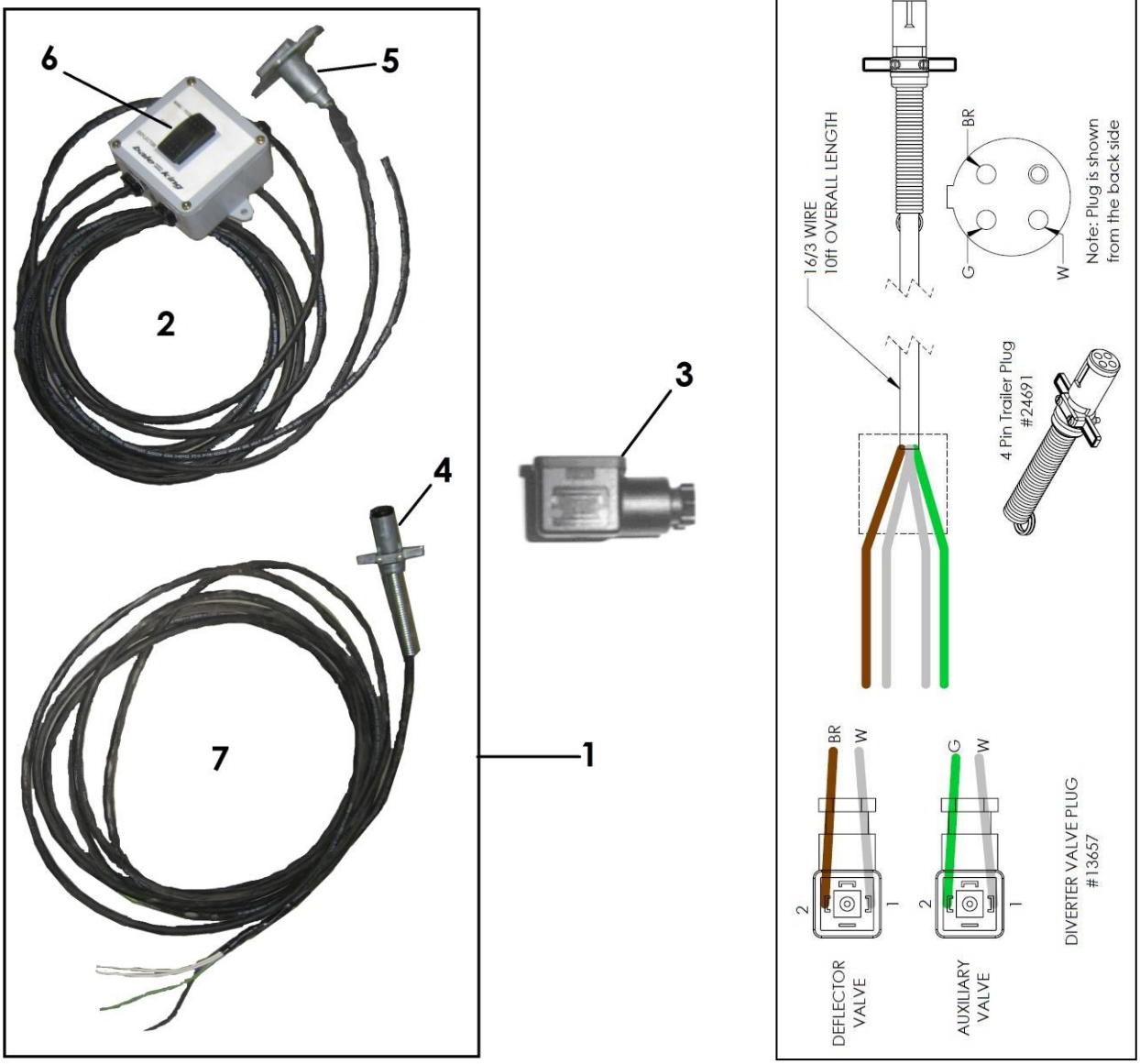
Back-up Camera Option



#	DESCRIPTION	PART #	QTY
	Complete Back-up Camera Kit - Standard	**32619**	-
	Complete Back-up Camera Kit - Pro	**32628**	-
1	Camera Mounting Bracket	32618	1
2	Camera Mounting Strap	32617	1
3	* Back-up Camera – Standard * Back-up Camera – Pro	32640 32639	1
4	Bolt, #10 x 1/2”	17035	2
5	Washer, #10 Flat	25600	4
6	Nut, #10 Nylon Lock	31110	2
7	Bolt, 3/8 x 1”	13806	2
8	Washer, 3/8” Flat	11667	4
9	Nut, 3/8” Nylon Lock	10806	2
10	Extension Cable, 15’	32645	1
11	Grommet, 5/16” ID x 1/4	13179	2

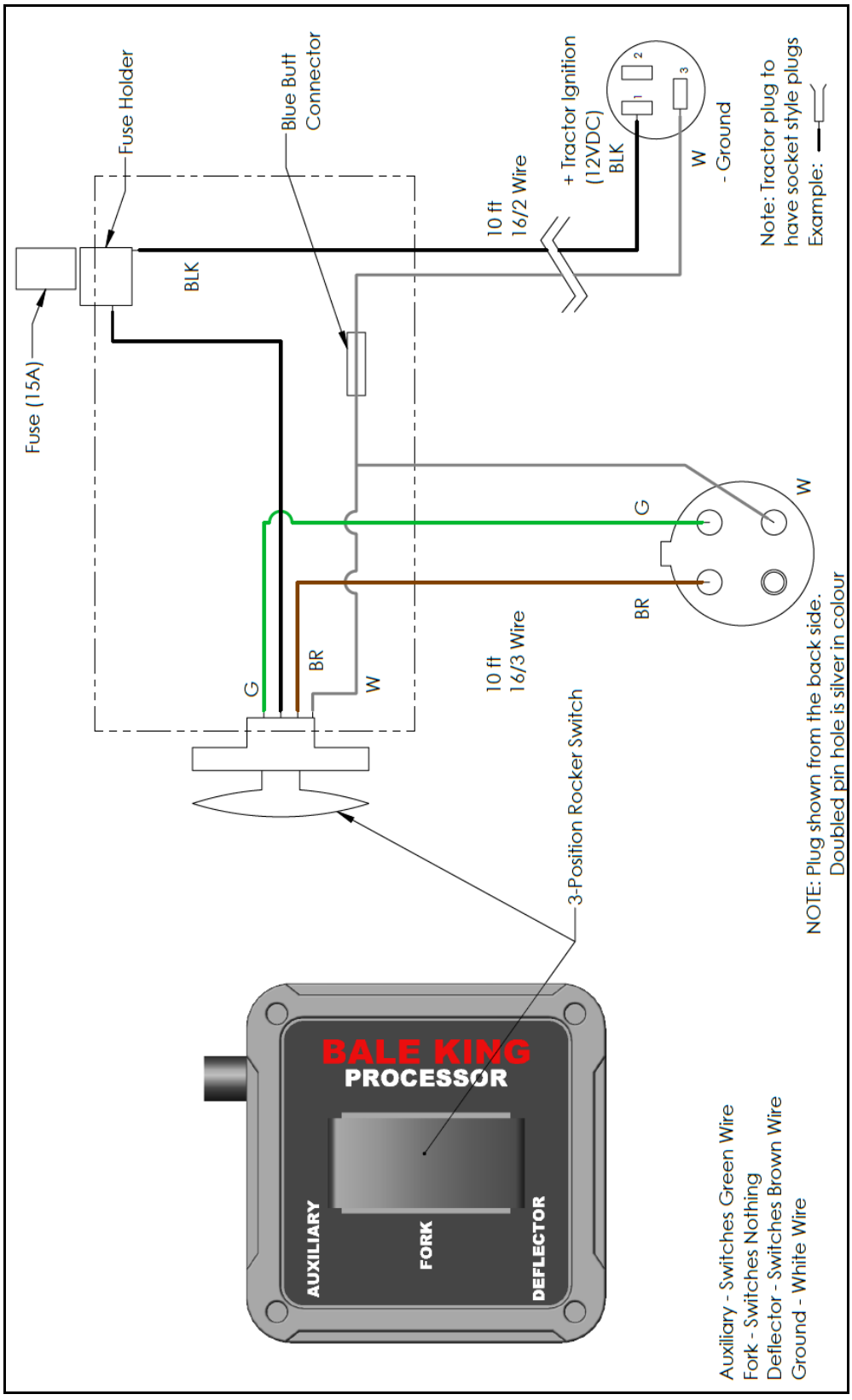
***NOTE: Camera package comes with camera bracket, monitor, and harnesses**

Diverter Valve

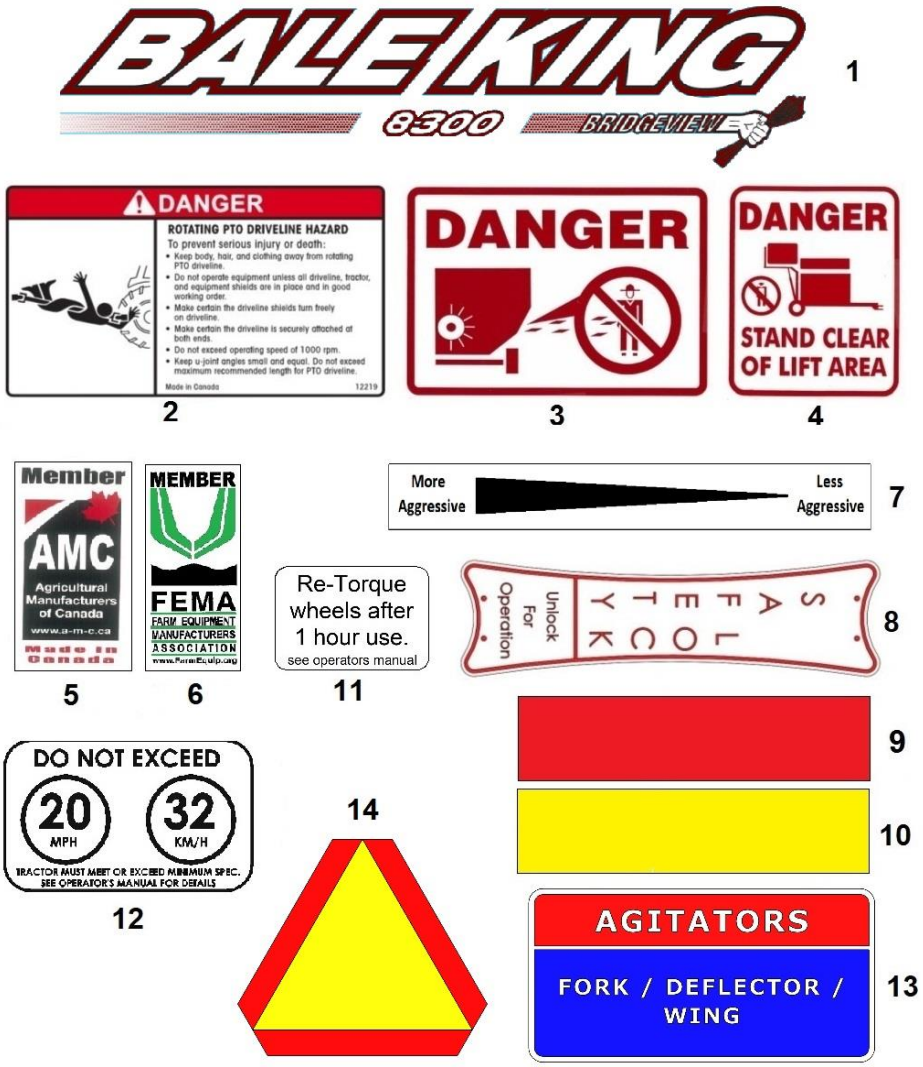


#	DESCRIPTION	PART #	QTY
1	Complete control box with harness for 8300 series	24466	1
2	Control box complete with cab to hitch harness all 8300 series	NSS	1
3	Square plug for diverter valve	13657	2
4	4-pin trailer plug	24691	1
5	4-pin tractor plug	24690	1
6	3 way switch	13561	1
7	Harness (hitch to valve) 8300 series	24693	1

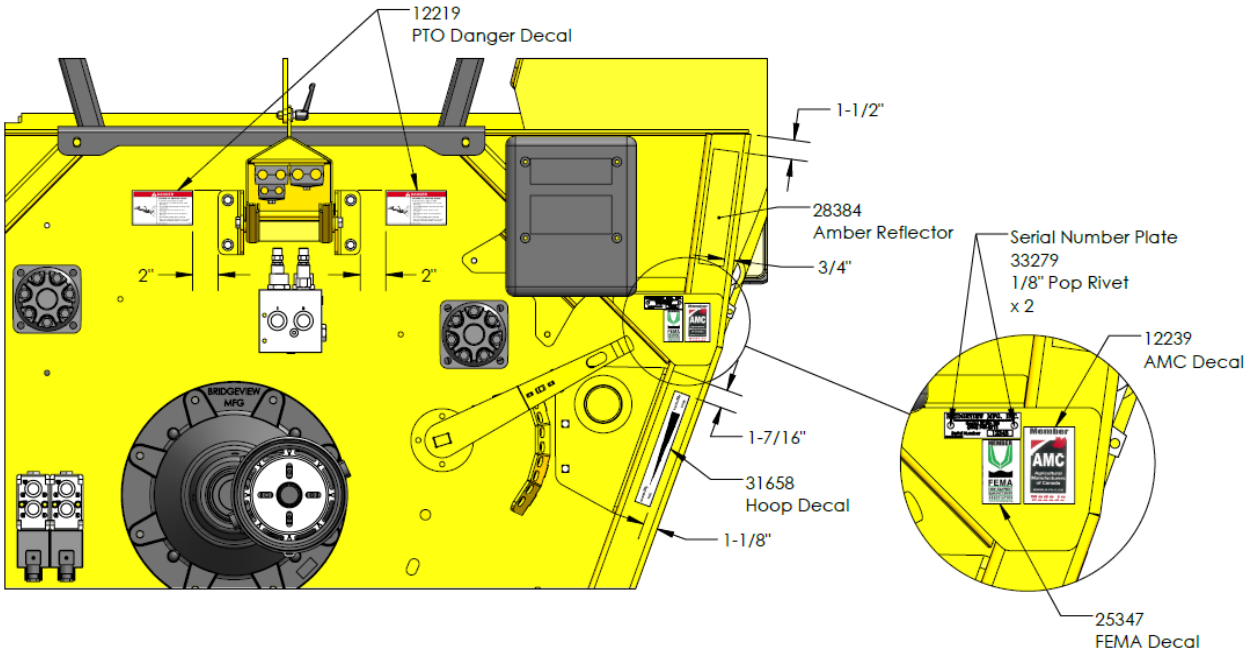
Diverter Control Box #24466

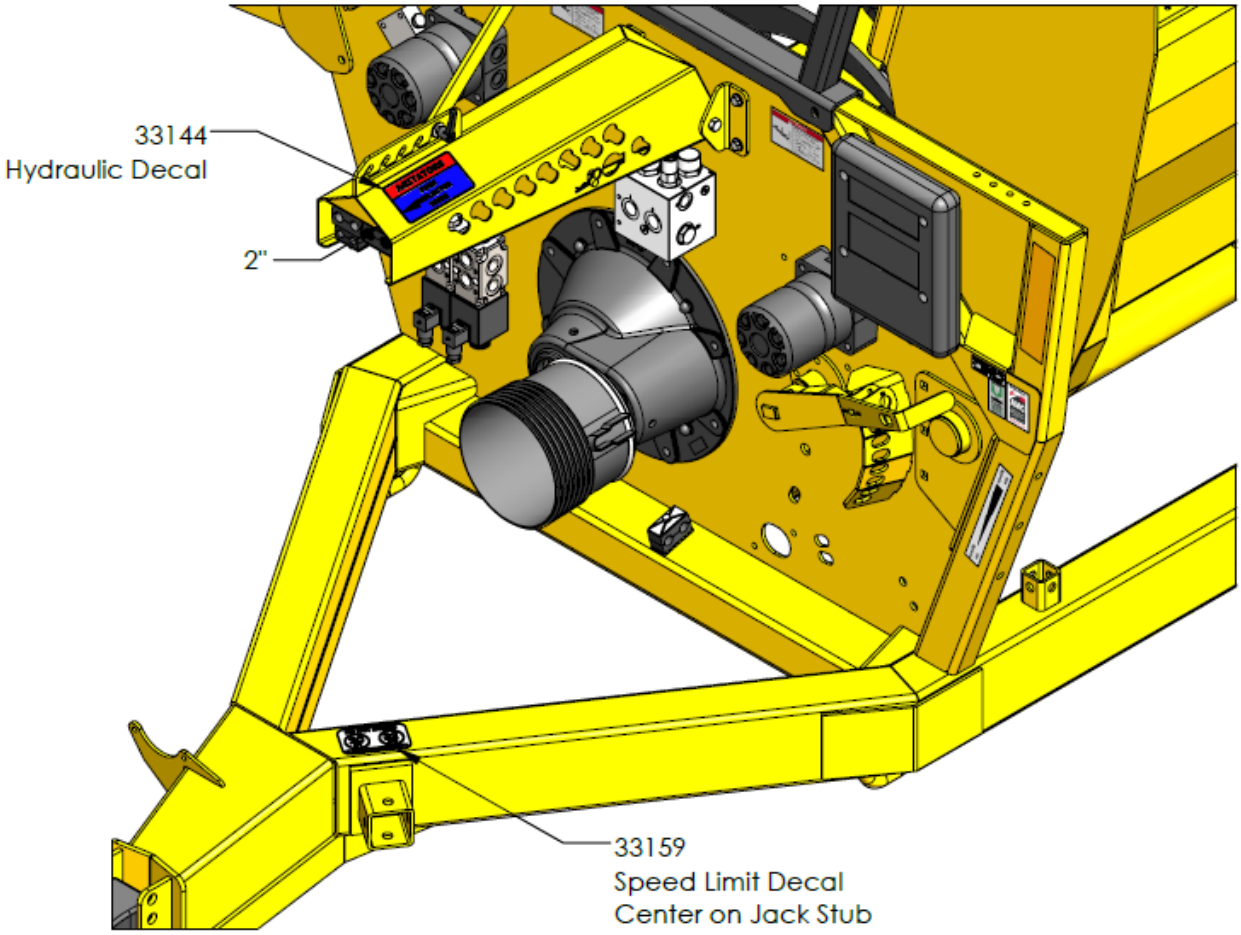


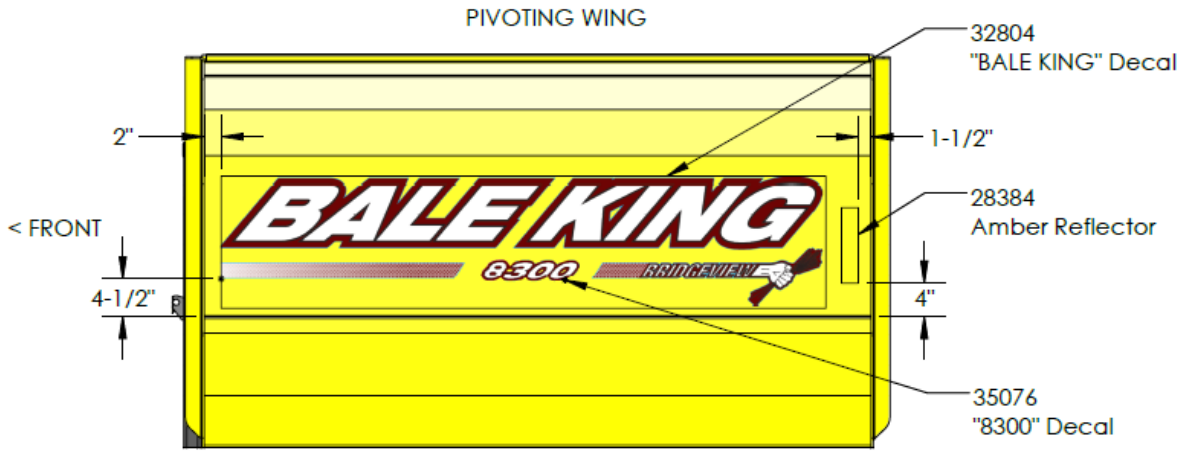
Decals

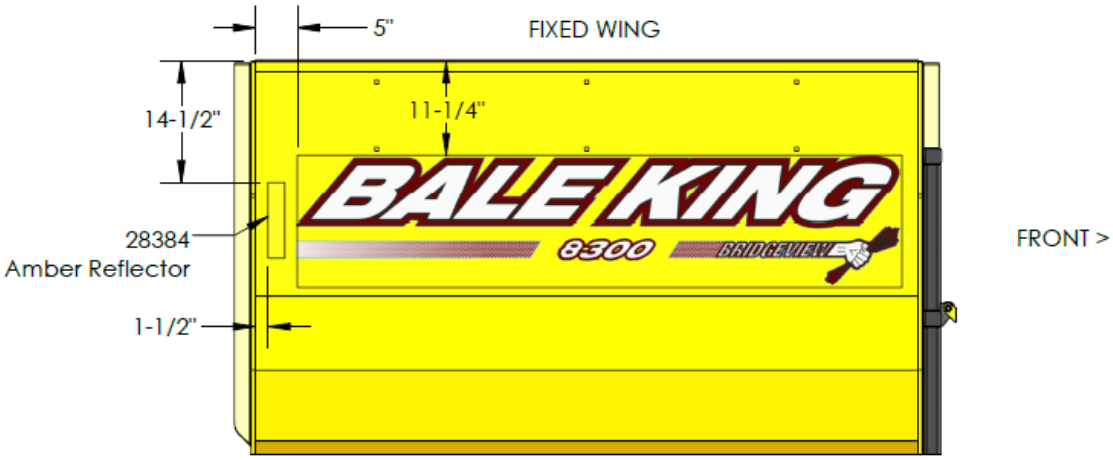


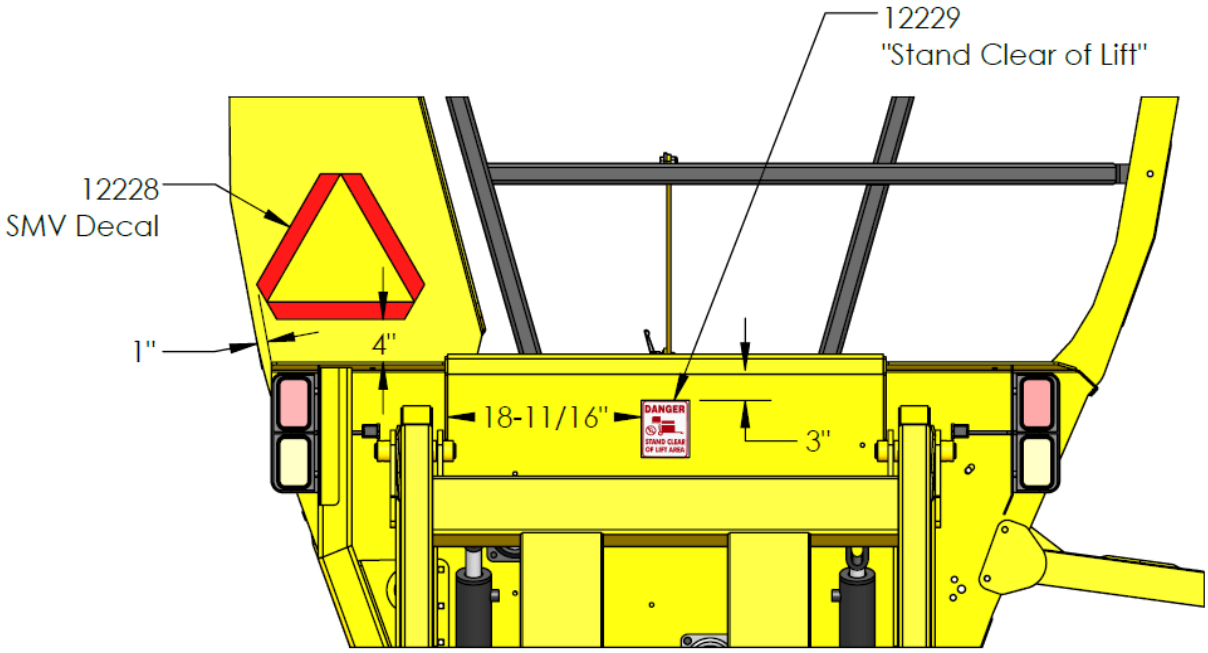
#	DESCRIPTION	PART #	QTY
1	"BALE KING"	32804	2
	"8300"	35076	2
2	"DANGER" PTO	12219	2
3	"DANGER" Side Discharge	12230	4
4	"DANGER" Stand Clear of Lift	12229	1
5	AMC Member	12239	1
6	FEMA Member	25347	1
7	Hoop Adjustment	31658	1
8	Deflector Lock	22292	1
9	Red Reflective	28383	1
10	Amber Reflective	28384	4
11	Wheel Torque Reminder	28385	2
12	Speed Limit 20 mph	33159	1
13	Hydraulic Decal	33144	1
14	Slow Moving Vehicle Decal	12228	1

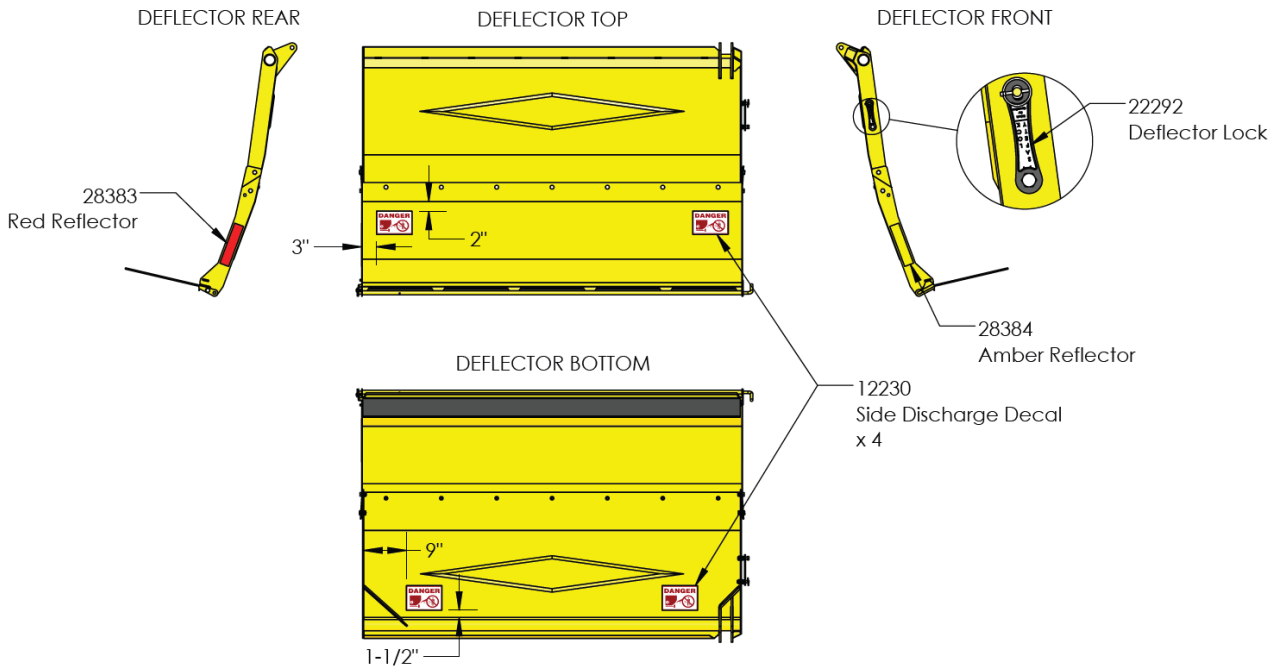

12219
PTO Danger Decal
1-1/2"
28384
Amber Reflector
3/4"
2"
2"
Serial Number Plate
33279
1/8" Pop Rivet
x 2
12239
AMC Decal
1-7/16"
31658
Hoop Decal
1-1/8"
25347
FEMA Decal

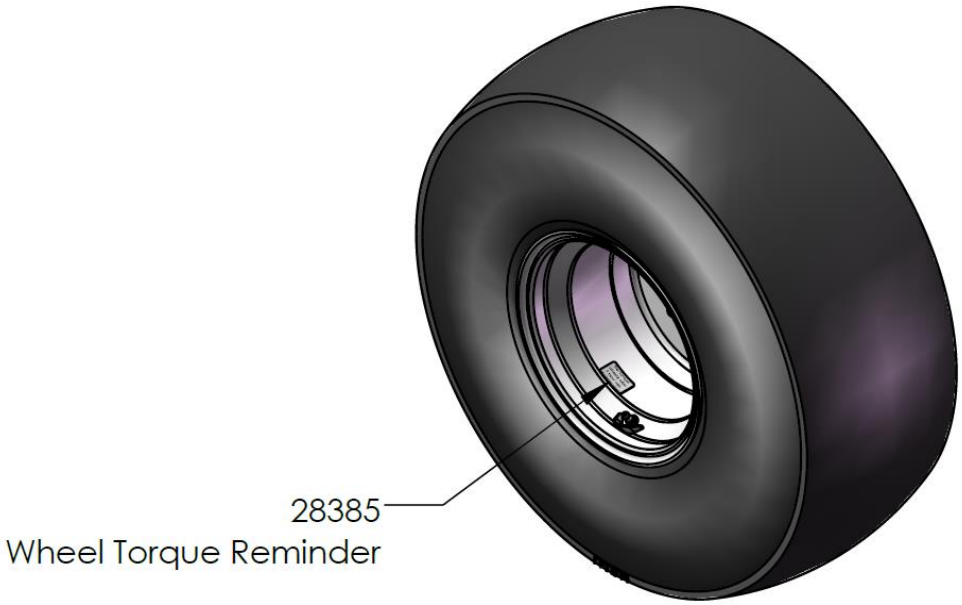

33144
Hydraulic Decal
2"
33159
Speed Limit Decal
Center on Jack Stub


PIVOTING WING
32804
"BALE KING" Decal
2"
1-1/2"
< FRONT
28384
Amber Reflector
4-1/2"
4"
35076
"8300" Decal


5"
FIXED WING
14-1/2"
11-1/4"
28384
Amber Reflector
1-1/2"
FRONT >


12229
"Stand Clear of Lift"
12228
SMV Decal
1"
4"
18-11/16"
3"


DEFLECTOR REAR
DEFLECTOR TOP
DEFLECTOR FRONT
28383
Red Reflector
3"
2"
22292
Deflector Lock
28384
Amber Reflector
DEFLECTOR BOTTOM
12230
Side Discharge Decal
x 4
9"
1-1/2"


28385
Wheel Torque Reminder

Hydraulic Schematics

Hydraulic Components

#	DESCRIPTION		PART #	QTY
AA	Hydraulic Cylinder – 3 x 18 x 1.5” * Seal Kit * Stopper Kit	Rear Forks	21717 20807 21860	2
BB	Hydraulic Cylinder – 2.5 x 8 x 1.5” * Seal Kit	Wing	17443 17609	1
CC	Hydraulic Cylinder – 1.5 x 6 x 1” * Seal Kit	Deflector	21711 23738	1
DD	Pilot-operated Check Valve	Deflector, Rear Forks	19114	3
EE	Diverter Valve * Nut & O-Ring * Magnet * Stack Kit		11743 17977 11789 12895	2
FF	Hydraulic Motor * Seal Kit	Agitators	25872 25891	2
GG	Flow Divider Valve	Agitators	25778	1
HH	Pioneer Tip, 8FB		17379	4
II	Hose Marker, Long Red	Agitators	20791	1
JJ	Hose Marker, Short Red	Agitators	20790	1
KK	Hose Marker, Long Blue	Diverter	34985	1
LL	Hose Marker, Short Blue	Diverter	18497	1

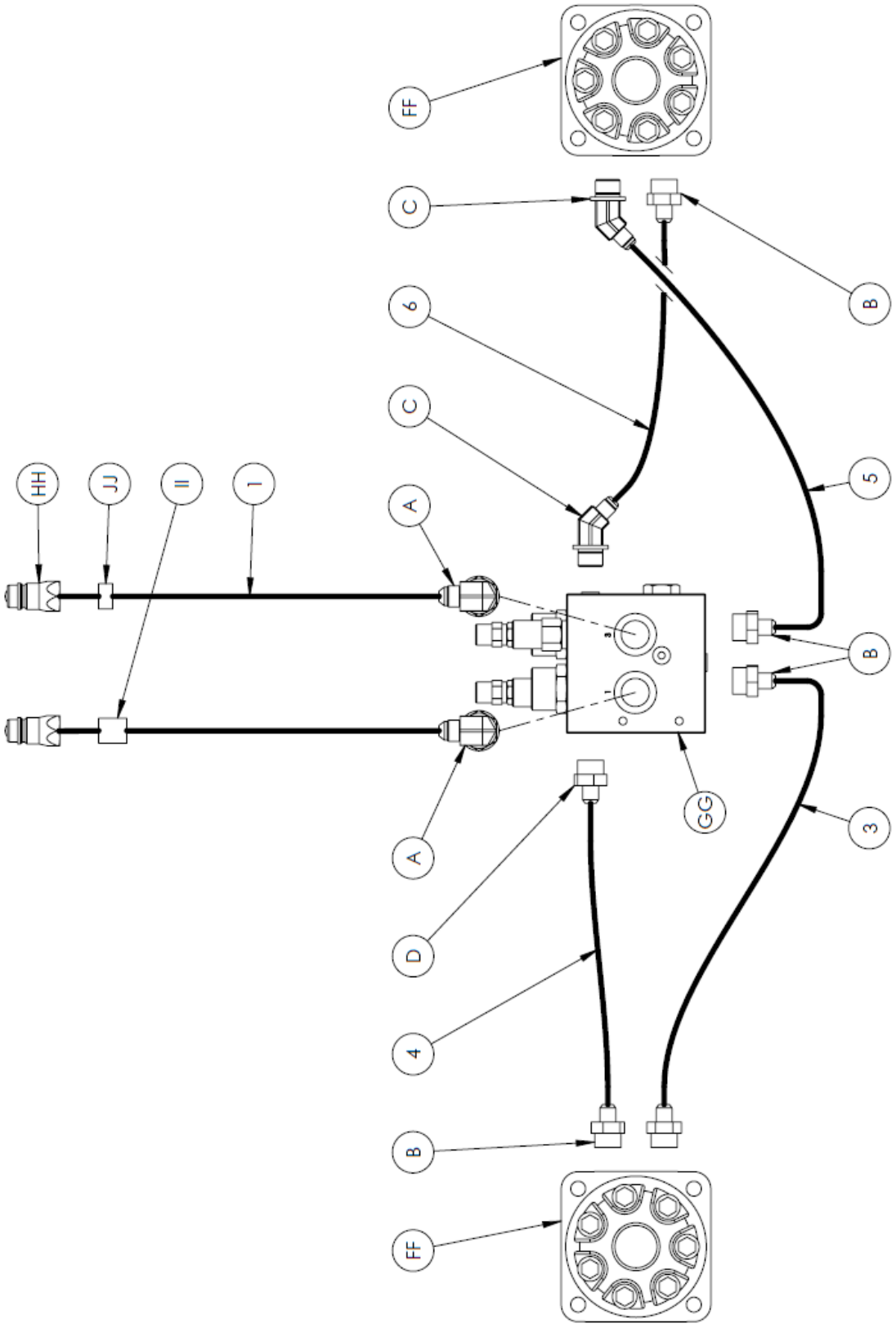
A	Adaptor, 12MB-8MJ90	22174	2
B	Adaptor, 10MB-6MJ	11739	10
C	Adaptor, 10MB-6MJ45	22722	6
D	Adaptor, 8MB-8MJ	10561	1
E	Adaptor, 8MB-8MJ Orifice (1/32")	10562	1
F	Adaptor, 8MBR-8MJT	22159	2
G	Adaptor, 8MB-6MB90	33739	2
H	Adaptor, 6MB-6MJ	10162	1
I	Adaptor, 6MB-6MJ Orifice (1/32")	17436	2
J	Adaptor, 6MB-6MJ90	10201	4
K	Adaptor, 6MB-6MJ45	10216	1
L	Adaptor, 6MBR-6MJT	27326	1
M	Adaptor, 6MJ-6MJBH90	10187	6
N	Adaptor, 6FJXR-6MJT	15760	2
O	Adaptor, 6MJ-6FJX90	12162	2

Hydraulic Hoses

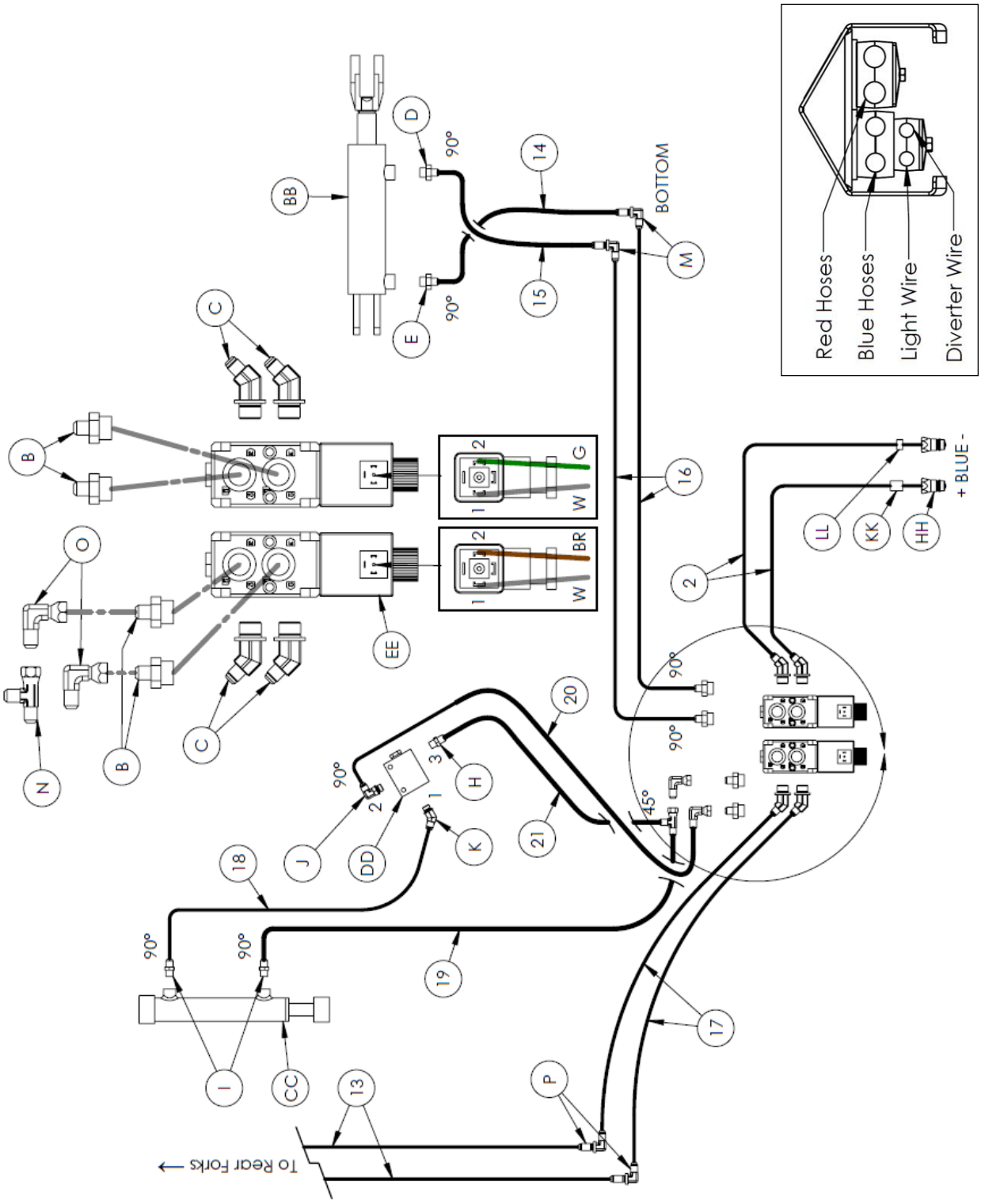
#	DIAM.	LENGTH	ENDS	QTY
1	1/2"	98" OAL	8MB - 8FJX	2
2	3/8"	122" OAL	8MB - 6FJX	2
3	3/8"	17.25" OAL	6FJX - 6FJX90	1
4	3/8"	13.5" OAL	6FJX - 6FJX	1
5	3/8"	11.25" OAL	6FJX - 6FJX90	1
6	3/8"	8.5" OAL	6FJX - 6FJX	1
7	3/8”	58” OAL	6FJX - 6FJX	1
8	3/8”	29.5” OAL	8FJX - 8FJX	1
9	3/8”	30” OAL	6FJX - 6FJX	1
10	3/8”	25” OAL	6FJX - 6FJX45	1
11	3/8”	16” OAL	6FJX - 8FJX	1
12	3/8”	14.25” OAL	6FJX - 8FJX	1
13	3/8"	79.5" OAL	6FJX - 6FJX	2
14	3/8"	48" OAL	6FJX - 8FJX90	1
15	3/8"	57" OAL	6FJX - 8FJX90	1
16	3/8"	45" OAL	6FJX - 6FJX90	2
17	3/8"	8.75" OAL	6FJX - 6FJX	2
18	1/4"	20" OAL	6FJX - 6FJX90L	1
19	1/4"	22" OAL	6FJX - 6FJX90L	1
20	1/4"	18" OAL	6FJX - 6FJX90	
21	1/4"	14" OAL	6FJX - 6FJX45	

NOTE: Hoses are not available for sale. Use the information above to have replacement hoses made up locally. All hoses should be double braid, with crimps rated for at least 3500 psi.

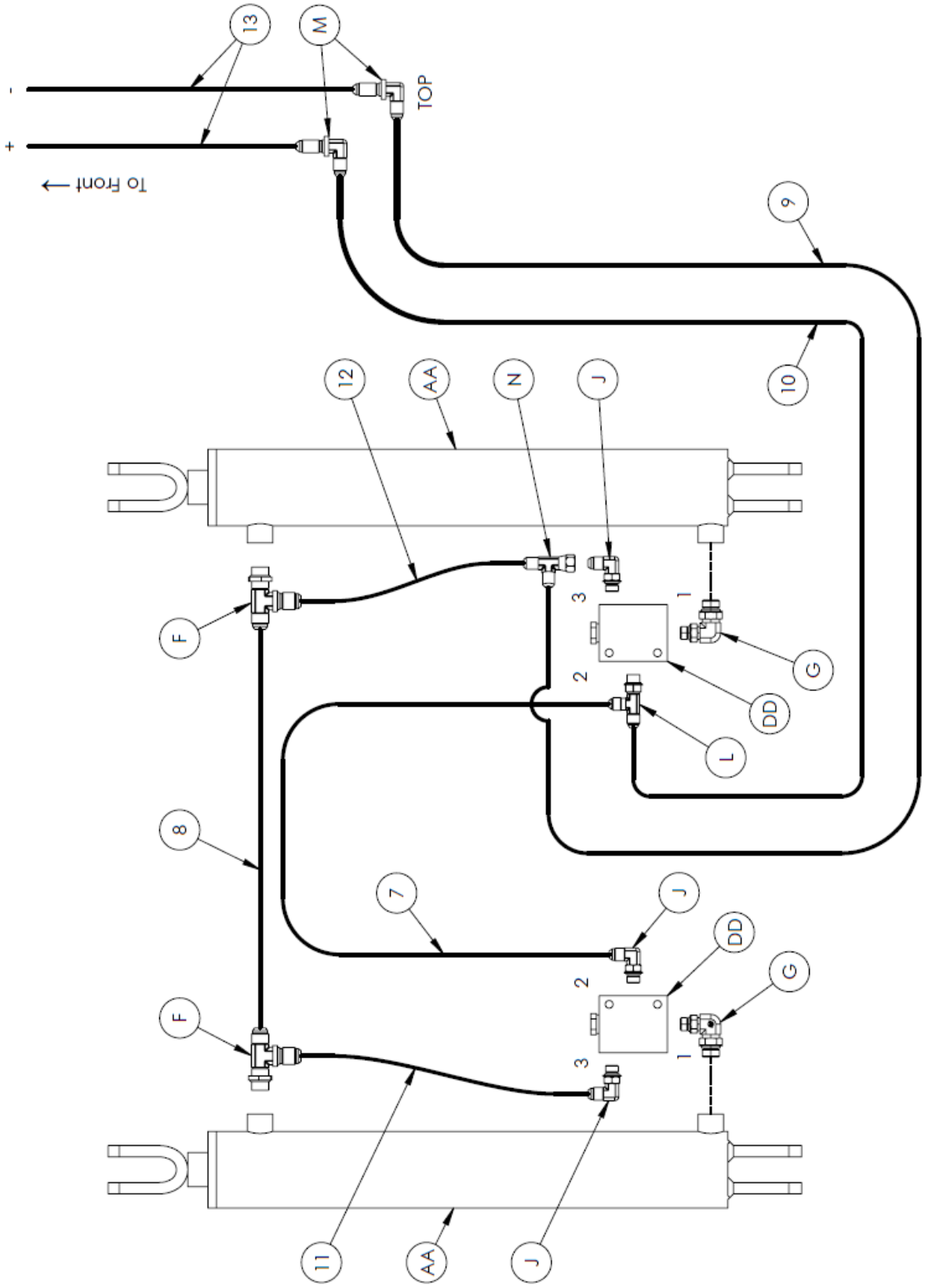
FRONT PANEL – AGITATORS



FRONT PANEL – DEFLECTOR & WING



REAR PANEL – FORKS



NOTES

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