BRIDGEVIEW MFG. INC.



BALE KING 7450

Bale Processor

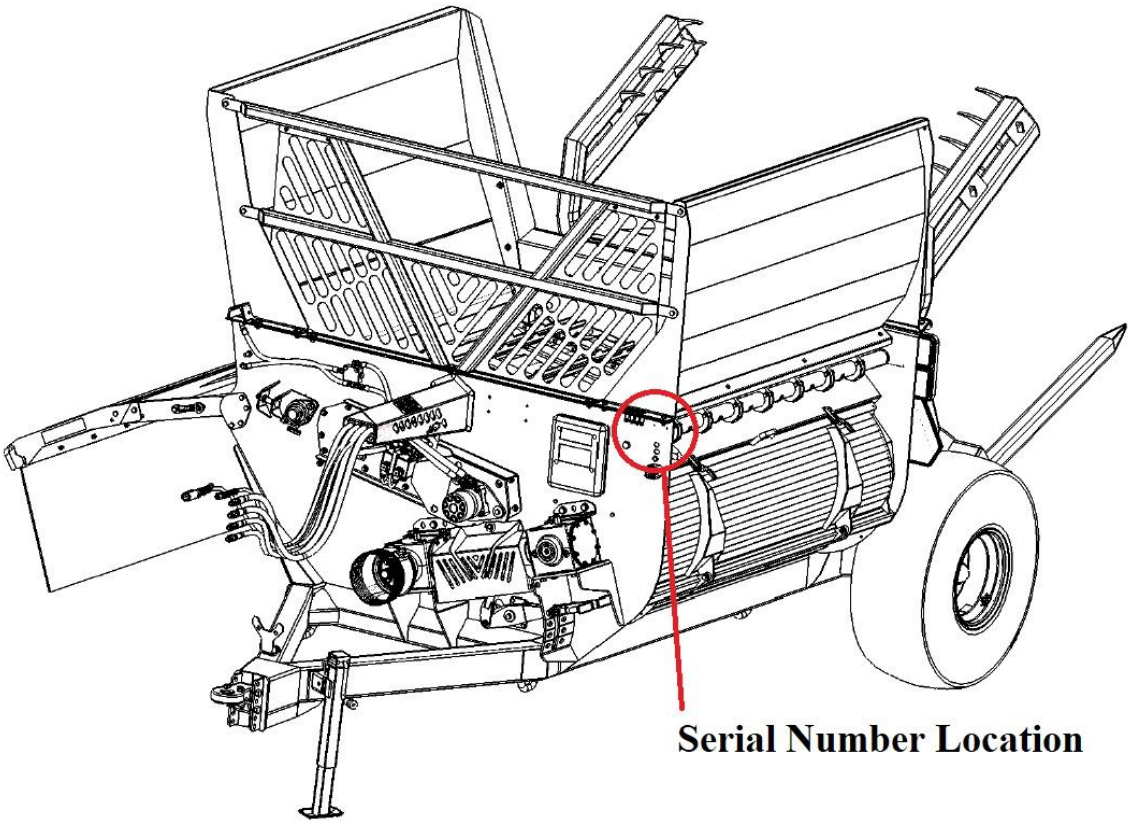
Operator and Parts Manual

Last Updated: October 2026

Bridgeview Manufacturing Inc.
P.O. Box 4
Gerald, Saskatchewan, Canada
S0A 1B0
Phone: 1-306-745-2711
Fax: 1-306-745-3364
Email: bridgeview@bridgeviewmfg.ca
www.bridgeviewmanufacturing.com

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

Your Authorized Dealer
Your Serial Number



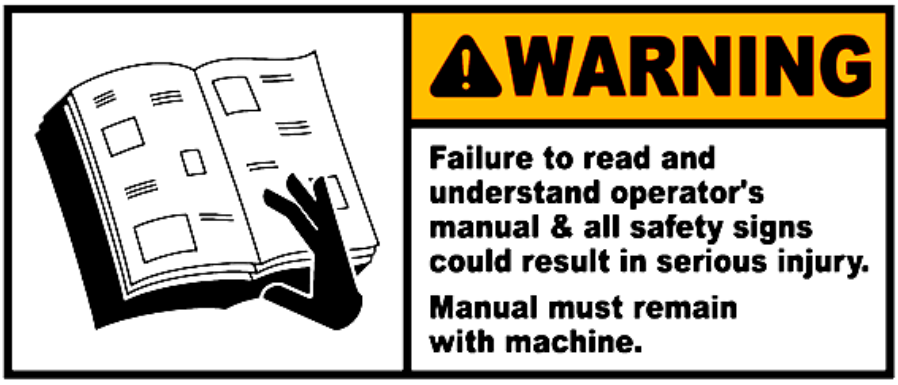


TABLE OF CONTENTS

INTRODUCTION 1
Safety Precautions 1
Safety Decals 2
Transportation 5
FEATURES & OPERATION 7
Power Take-off 7
Hydraulics 11
Hose Holder 12
Implement Tongue 13
Rear Fork 13
Loading Bales 14
Deflector 15
Setting the Processor 18
Chain and Slats 19
Hoop Grate Adjustment 21
Optional Diverter Kit 24
Optional Fine Chop Kit 25
Optional 3 Bale Kit (7450X) 26
Optional Flow Control Valve 30
Optional Back-up Camera 31
SERVICE AND MAINTENANCE 32
Grease Locations 32
Gearboxes 34
Cylinder Maintenance 35
Chain 35
Tires 37
Twine Removal 38
Rotor and Flail Replacement Procedure 40
Trouble-shooting Guide 42
FEATURES AND SPECIFICATIONS 43
PARTS MANUAL 45

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 service manual for the Bale King 7450. 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 service manual covers all parts you may need to order in case of accident, breakdown, or normal wear. 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.

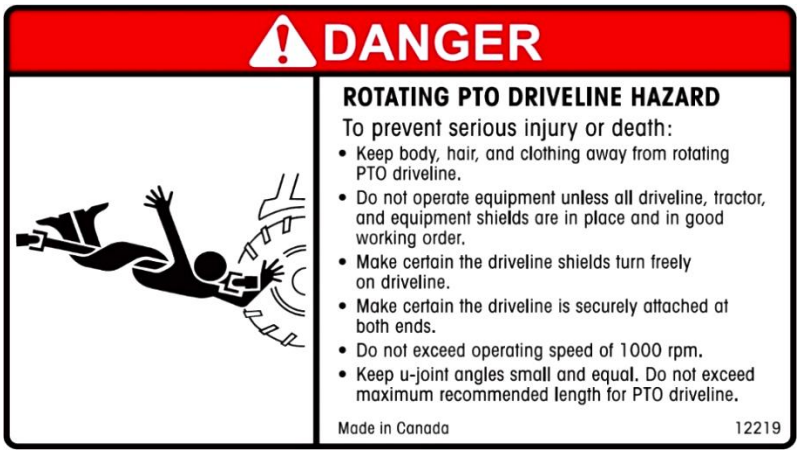
- **ALWAYS** turn **OFF** the tractor when leaving the operating platform.
- **DO NOT** stand in front of the discharge chute while the machine is running.
- **DO NOT** walk or move under the bale forks when they are in the upward position, either loaded with a bale, or connected to a running tractor.
- **DO NOT** enter the machine while in operation, or while connected to a running tractor.
- **DO NOT** open the rotor access panel while the machine is connected to a running tractor.
- **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 tractor when cleaning the processor, removing twine, or hooking up / unhooking the machine
- **ALWAYS** use safety chain when towing the machine on a highway.
- **DO NOT** operate if any part of the **PTO safety shielding** is missing or is not secured.

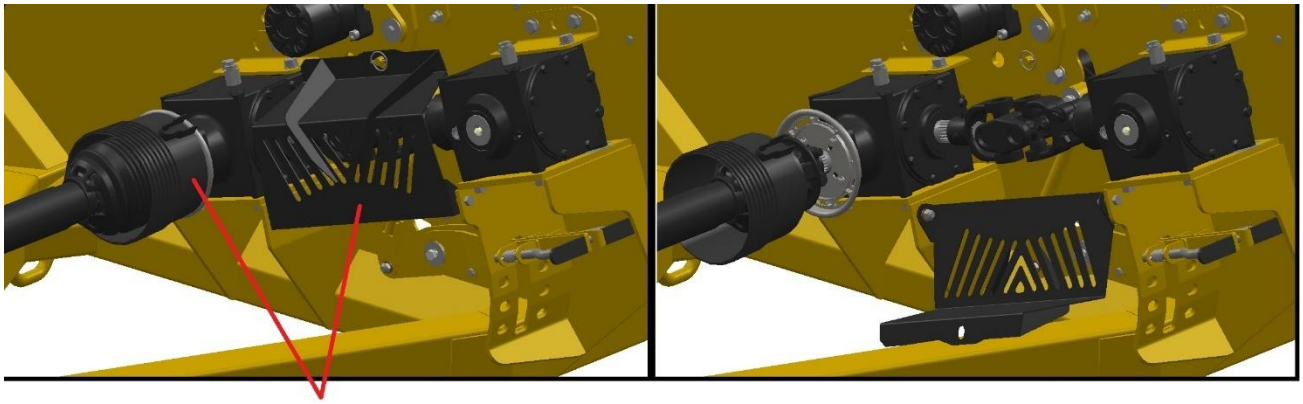
Safety Decals

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.







GUARDS MUST REMAIN IN PLACE DURING OPERATION

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.***

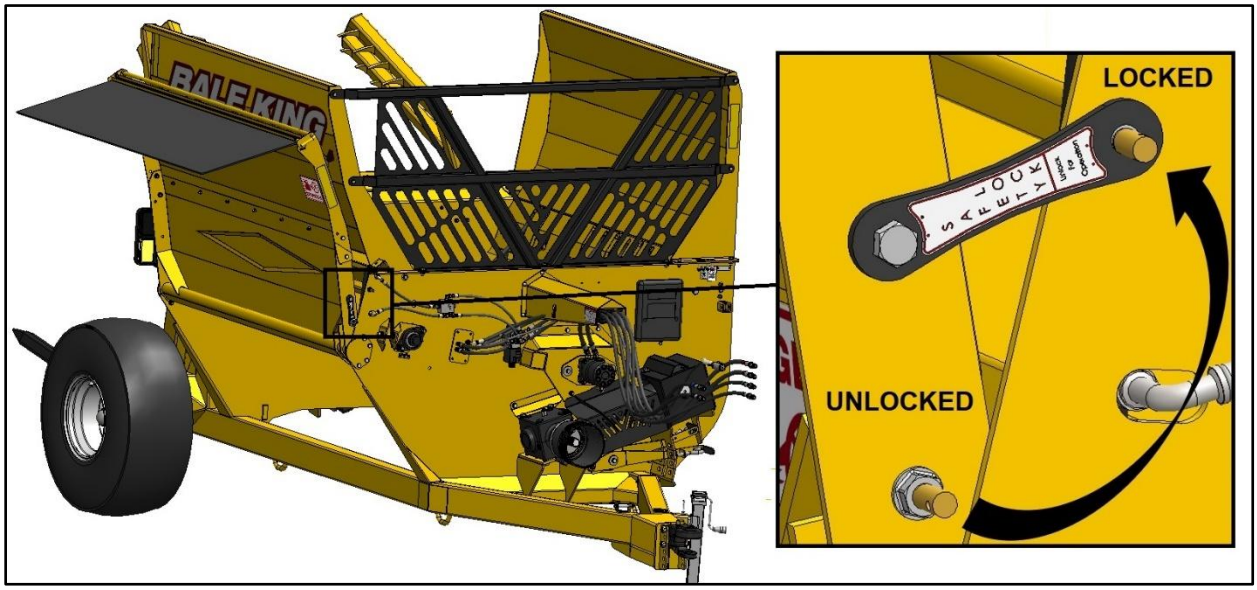
Rear Fork Lift Area



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.



Rotor Access Panel



DANGER: ***Never open the rotor access panel when the tractor is running.***

Transportation

The Bale King 7450 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

	Empty		Loaded	
	7450	**7450X [1]**	**7450**	**7450X [1]**
Total Weight	6000 lb	6400 lb	9600 lb	11 800 lb
Hitch Weight	2000 lb	2000 lb	2150 lb	1800 lb
Length	17'-2"	17'-2"	21'-4"	21'-4"
Width [2]	9'-4"	9'-4"	9'-4"	9'-4"
Height	8'-6"	8'-6"	10'-0"	11'-8"

NOTE 1. The 7450X features the optional 3-bale kit
NOTE 2. Width can be reduced to 8'-6" 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 warnings 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 applicable, the 3-bale clamp should be closed.
- 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 locking bolts. Install onto the gearbox and tighten the 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.

RECOMMENDED 150 HORSEPOWER TRACTOR PTO

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 to damage caused 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. See next page for securing instruction.
- **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.

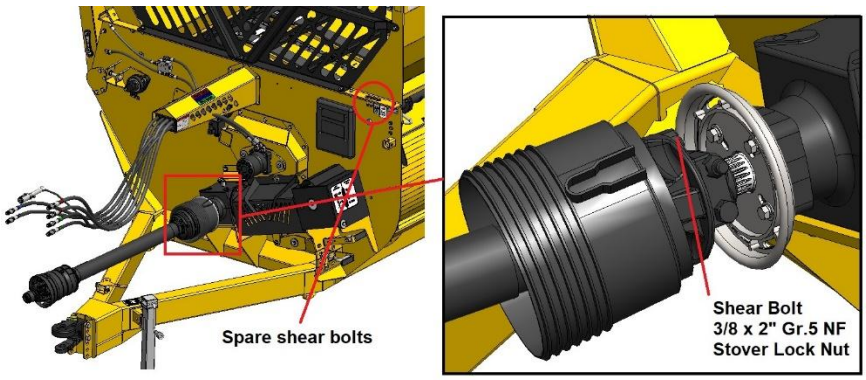
Operation

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 Grade 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.

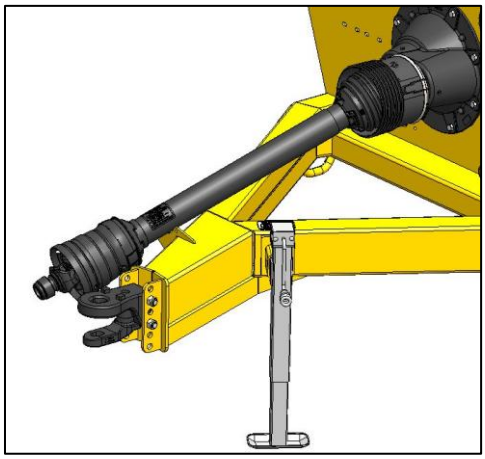


If your shear bolt is shearing excessively, you may be over-loading the machine. If this occurs raise the grate assembly to make the machine less aggressive, or roll the bale more slowly. **Always ensure that your machine is running at 1000 PTO RPM.**

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.

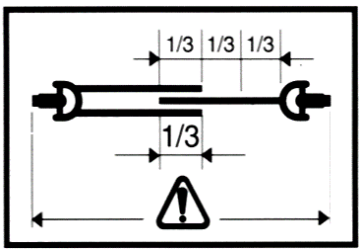
DO NOT transport the machine with the PTO in the holder. Slide the outer PTO shaft out and secure elsewhere. When transporting, fasten the inner PTO shaft to the machine and cover the open splined end.

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.

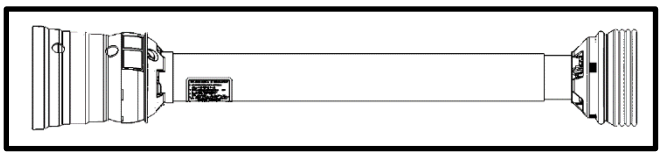
Length:

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.



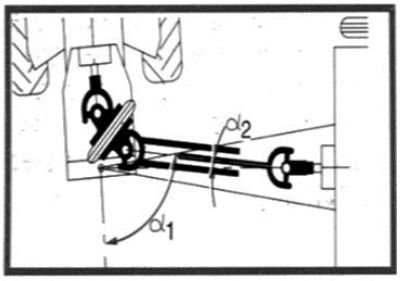
Shielding:

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



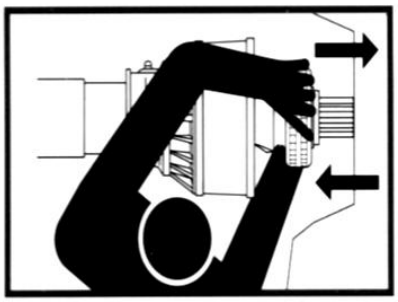
Working Angles:

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



Attachment:

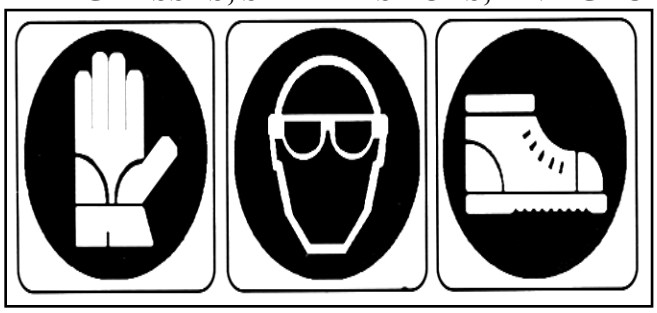
Be sure the drive-line is properly attached and all bolts and screws are tight on the implement input shaft and on the tractor PTO shaft.



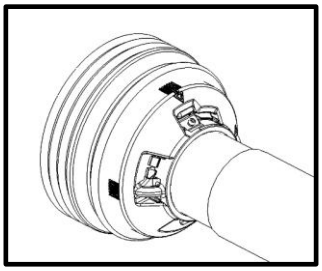
Storage:

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

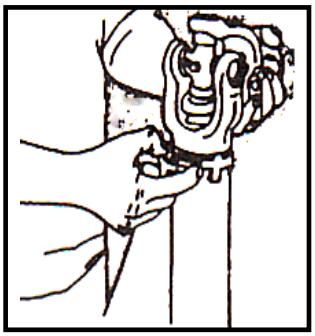


Shield Removal:



- 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.

Lubrication:

- Be sure to follow the lubrication timeline as outlined on page 32.
- Use low temperature grease if operating in cold temperatures. This will allow the PTO splines to slide much easier in these conditions.

Hydraulics

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

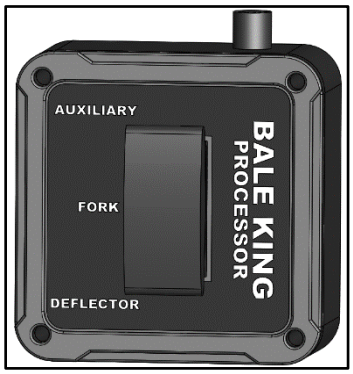
- When working with hydraulic equipment, eye and hand protection should be worn.
- Do not test for leaks with bare hands.
- Relieve any pressure before removing a hose or fitting.
- Never work under components raised by hydraulic equipment unless supported externally.



There are three sets of hydraulic hoses to connect to the tractor. Each hose has a coloured marker to identify its function. They should be connected at best convenience for the tractor's controls. Note that the hoses are paired by colour and the following tables show the operation when pushing oil into the hose with the longer marker.

7450 – 3 Remote	
Long Blue	Lift rear fork
Long Red	Slats towards rotor
Long Yellow	Lift deflector

An optional diverter kit is available to allow the Bale King 7450 to run using only two sets of hoses. The function is then determined by a control box, mounted in the cab of the tractor.



7450	Optional Diverter Kit	33769

7450 – 2 Remote		
Control Box	*"FORK"*	*"DEFLECTOR"*
Long Blue	Lift rear fork	Lift deflector
Long Red	Slats towards rotor	

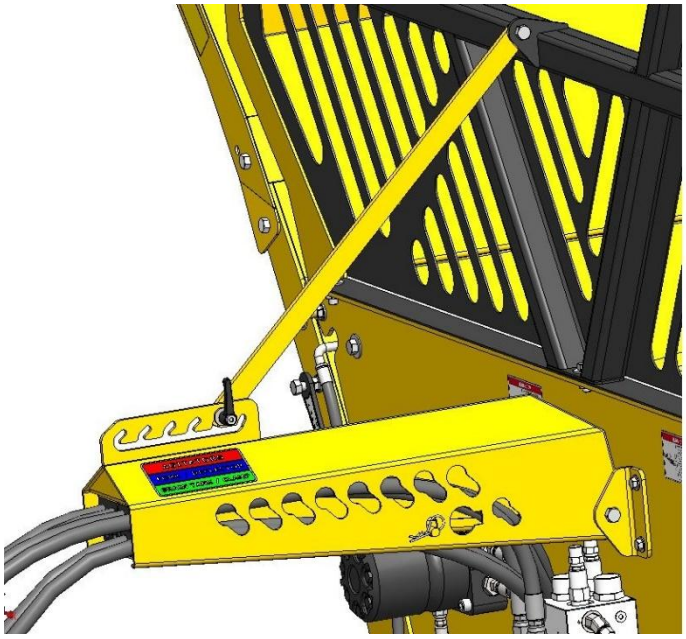
Maintaining proper slat speed ensures consistent and smooth feeding of the bale into the rotor. Refer to page 18 for more information on setting the machine.

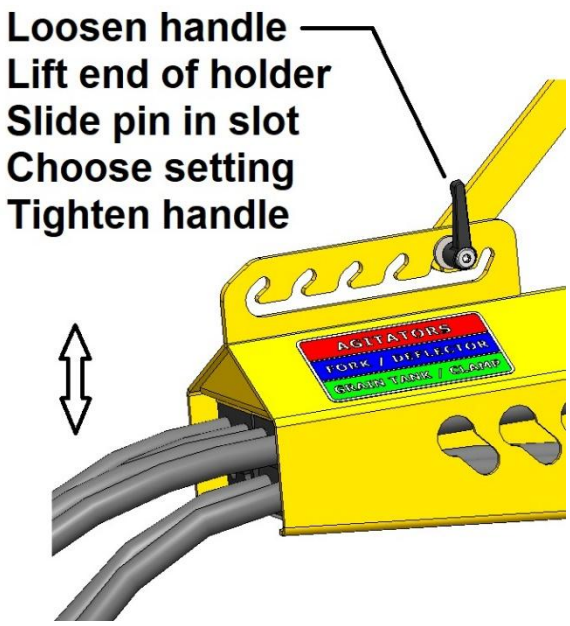
An optional 3-bale kit is available to allow the Bale King 7450X to carry an extra bale on the rear of the machine (see page 26). If this kit is installed, an additional clamp is added to the hydraulic functions. This changes the hydraulic setup as shown in the following table.

7450X – 2 Remote			
Control Box	*"AUXILIARY"*	*"FORK"*	*"DEFLECTOR"*
Long Blue	Open bale clamp	Lift rear fork	Lift deflector
Long Red	Slats towards rotor		
7450X – 3 Remote			
Control Box	*"FORK"*	*"DEFLECTOR"*	
Long Blue	Lift rear fork	Lift deflector	
Long Red	Slats towards rotor		
Long Green	Open bale clamp		
7450X – 4 Remote			
Long Blue	Lift rear fork		
Long Red	Slats towards rotor		
Long Yellow	Lift deflector		
Long Green	Open bale clamp		

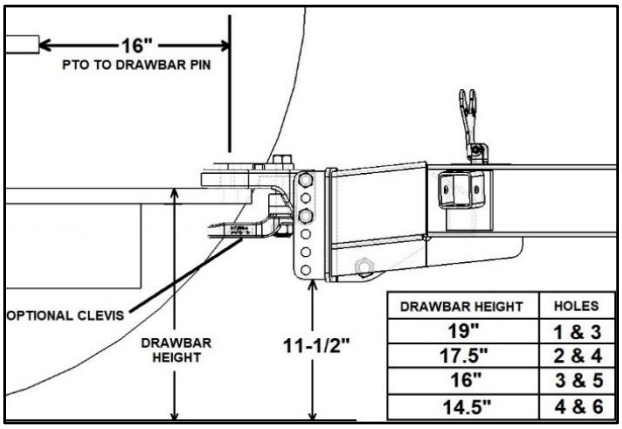
Hose Holder

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

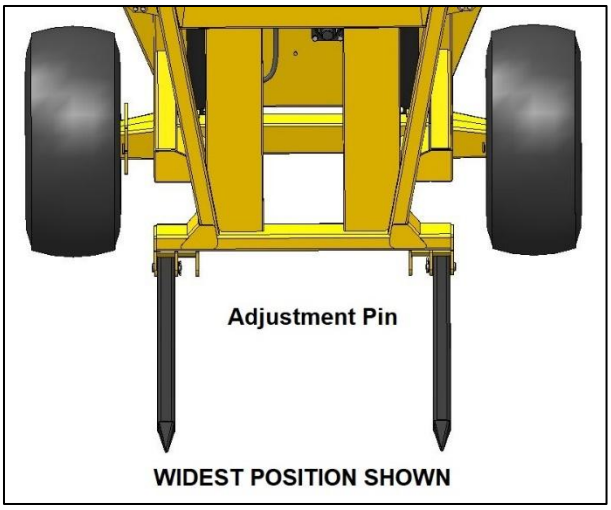


The adjustable hitch on the Bale King features a cast single tongue with optional clevis insert (**BMI #29786**). This allows for use with tractors equipped with a hammer strap or with a single drawbar. It also allows the machine to move independently over rough terrain without bending the draw pin.

- Make sure that the drawbar is set to **16 inches** behind the PTO shaft for proper PTO length.
- Measure the drawbar height of the tractor and adjust the machine tongue height to the closest match. This will ensure that the PTO runs as straight as possible.
- **DO NOT** install the optional clevis if using a tractor with a hammer strap as this will bend the hitch pin.
- **ALWAYS** connect the safety chain during road transport

Rear Fork

The rear loading fork 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 7450 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 fall. Never stand under the forks. When greasing or servicing around the rear end, the forks should be down. Never attempt to loosen or replace hydraulic hoses while the forks are up.

Loading Bales





When loading bales into your Bale King bale processor, the following procedure should be followed:

- Position the tractor and the Bale King so as to be lined up to back straight into the row of bales.
- When close to the bale, lower the forks 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 bale fork about 1/4 of the way up. You can now transport to your feeding or bedding area to begin processing.

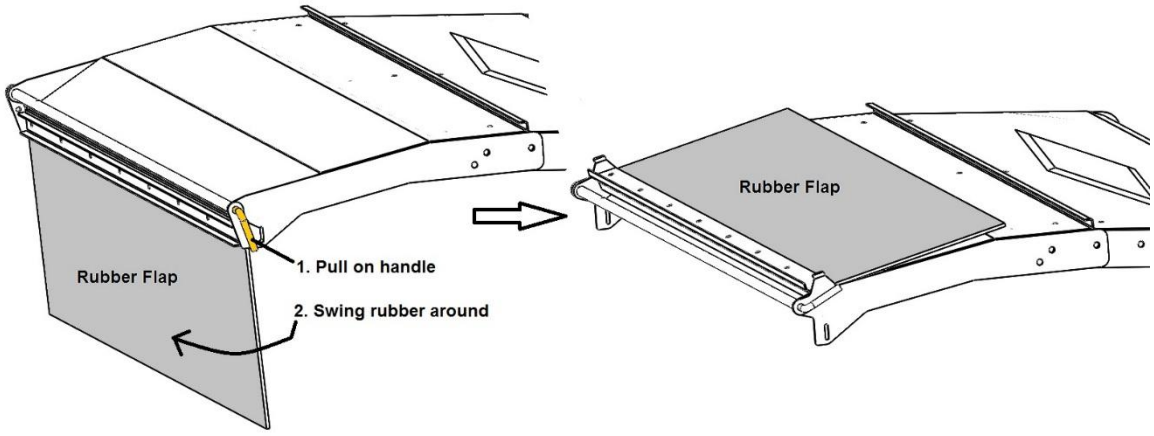
Note: ***Carry the bale as low as possible to lessen the stress on the cylinder shafts. Carrying the bale too high may bend hydraulic cylinder shafts.***

- 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. **The chain should be stopped during loading.**

For information on the optional 3-bale kit, see page 26.

Deflector

The Bale King 7450 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 aim 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.

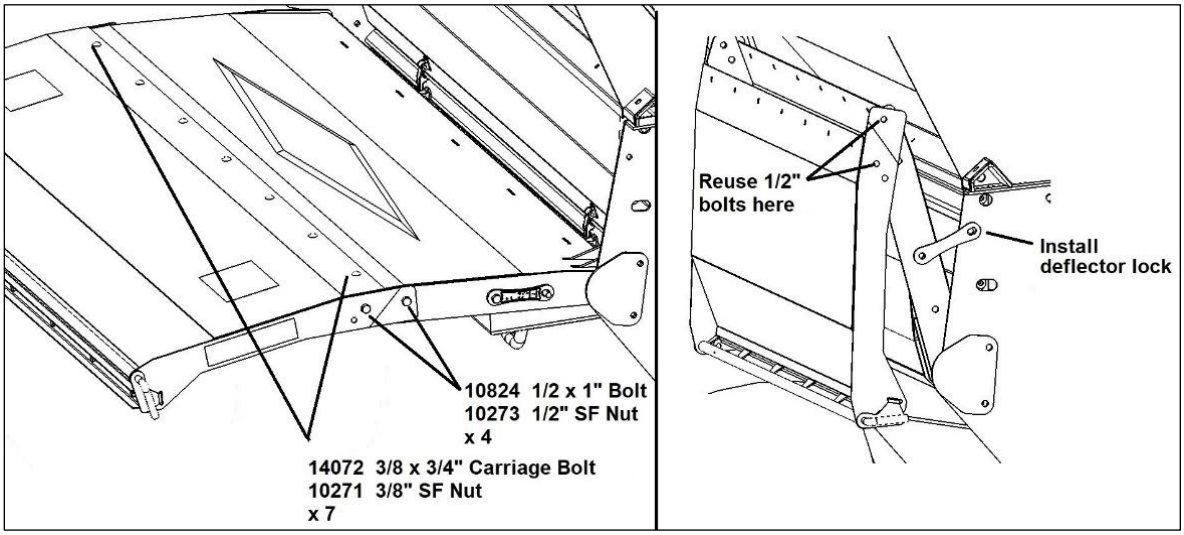
The Bale King 7450 deflector will bunk feed to a distance of 32" from the tire when in the lowest position. When the deflector is not folded, the transport width of the machine is 9'-1".

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 7450 deflector also has the ability to fold for more compact long-term storage or long-distance transport.

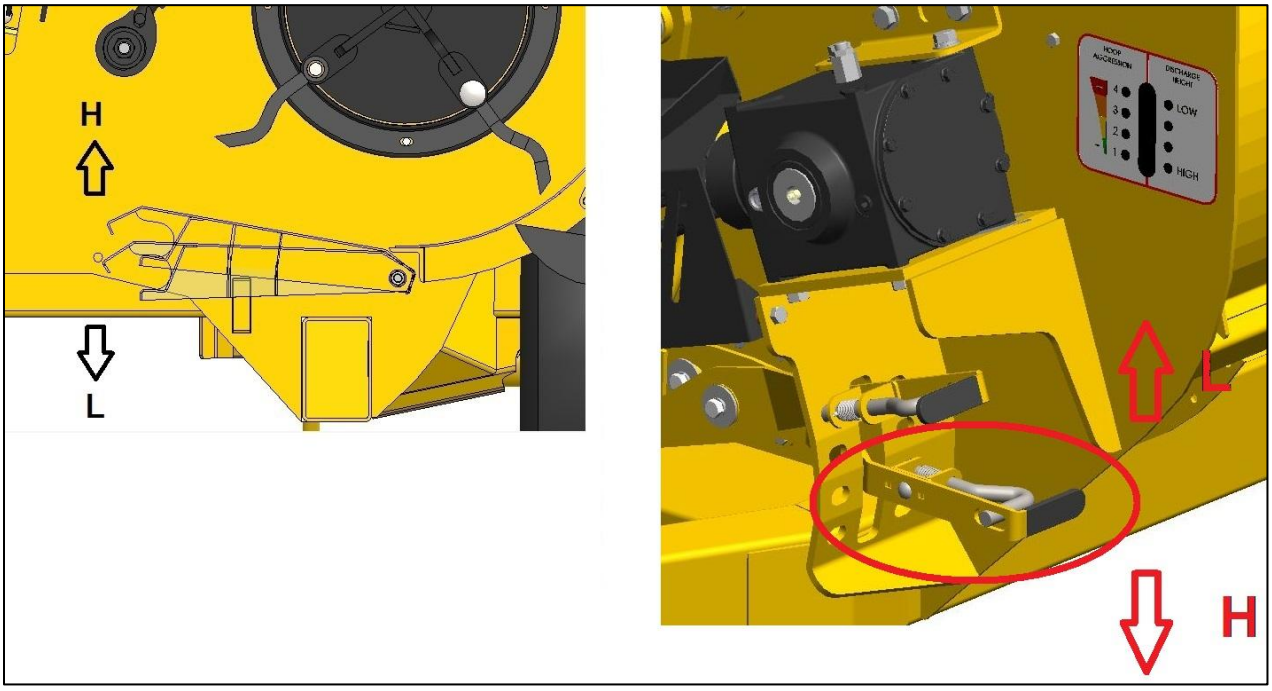
- Move the deflector to its lowest position
- Remove the 7 top carriage bolts from the deflector. Set aside for later.
- Remove all 4 bolts on the front and back of the deflector. Slide the outer deflector outward until the second set of holes align. Bolt together loosely.
- Raise the deflector with the hydraulics. Fold the outer deflector down until the third set of holes line up. Install and tighten all four bolts.



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

Lower Deflector

The 7450 processor also features an adjustable lower deflector. This allows the operator to change how high the material is discharged. The higher setting will allow for further spread pattern of bedding, or to shoot material upward to clear a bunk feeder. Lower settings are recommended for windrow feeding, as well as heavy wet material. This will reduce the chance of plugging. To adjust the lower deflector, use the handle closest to the tub beneath the gearbox.



Setting the Processor

Processing speed must be balanced with overall aggression and vibration levels. Excessive continuous vibration may affect the service life of the processor.

Processing times of 1-2 minutes are considered normal in dry bale conditions. Extended times are expected in tougher conditions such as high moisture feed, frozen, or misshapen bales. *The processor may need to be adjusted for each type of bale for optimal performance.*

QUICK SET-UP SUMMARY (See subsequent sections for further details):

1. Chain Speed
See page 19
100 – 140 RPM (120 recommended)
Increase to improve bale rotation and throughput
Decrease to reduce vibration and increase chain life

2. Upper Hoop Setting	**3. Lower Hoop Setting**
See page 21	See page 21
Affects processing speed while bale is between 25 – 100% size	Affects processing speed of the core of the bale
Recommend position C as starting point	Recommend position 2 as starting point
Lower hoops to increase throughput and improve bale rotation (A -> D)	Lower hoops to increase throughput (1 -> 4)
Raise hoops to reduce vibration (D -> A)	Raise hoops to reduce vibration (4 -> 1)

4. Hoop Quantity	**5. Hoop Type**
11 Hoops are standard	7 Low Profile and 4 High Profile Hoops are standard
If desired throughput cannot be achieved via chain speed and hoop height adjustment, remove the middle 3 low profile hoops (leaving 3 high profile and 4 low-profile on 10" centers)	If desired throughput cannot be achieved via all above adjustments, remove the 3 high profile hoops and replace with the 3 standard profile hoops previously removed (total of 7 low profile hoops).
If vibration is excessive, 2 extra hoops can be purchased and installed	If vibration remains excessive after all above adjustments have been made, high profile hoops can be purchased and installed in lieu of the 7 standard profile hoops.

Chain and Slats



The hydraulic chain and slat table feeds the bale into the rotor. Chain speed is one of the primary feed rate and aggression controls.

Operate the conveyor clockwise (as viewed from the tractor) causing the bale to rotate counter-clockwise in normal operation. Reverse the chain as necessary to clear slugs.

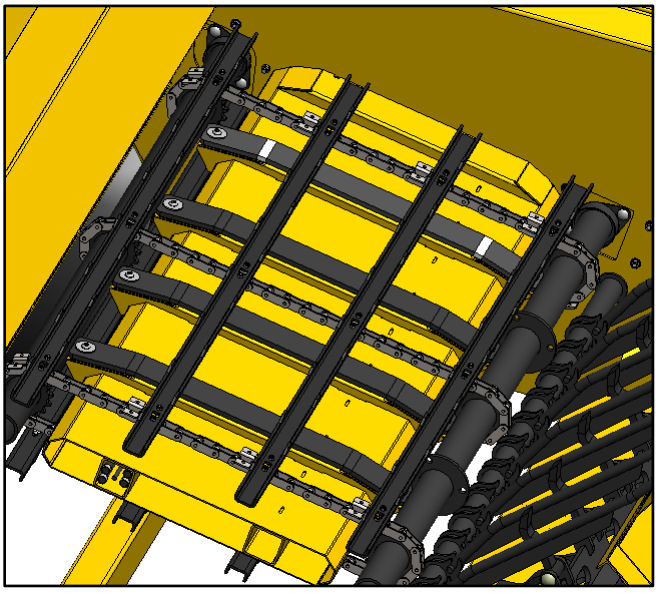
Typical chain conveyor shaft speeds are 100-140 RPM. The speed is controlled by the tractor flow control valves or an optional processor-mounted flow control valve kit (see page 30).

It is best practice to start at a slower speed, and gradually increase until desired performance is achieved. Excessive chain speed will cause premature wear.

Plastic guides are bolted to the bed underneath of all the slats to prevent wear. Inspect the slats and plastic guides periodically. Replace as necessary.

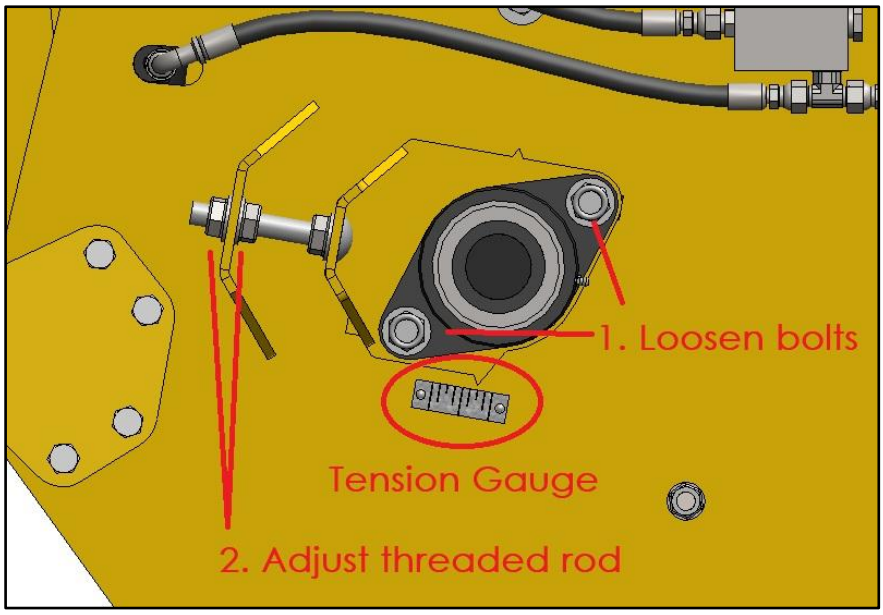
It is good practice to run the chain in reverse for momentarily at the end of each day to clear loose material and/or snow from the lower chain return pan.

IMPORTANT: Remove any twine buildup from the chain shafts. If too much builds up, it may start to bend the slats.

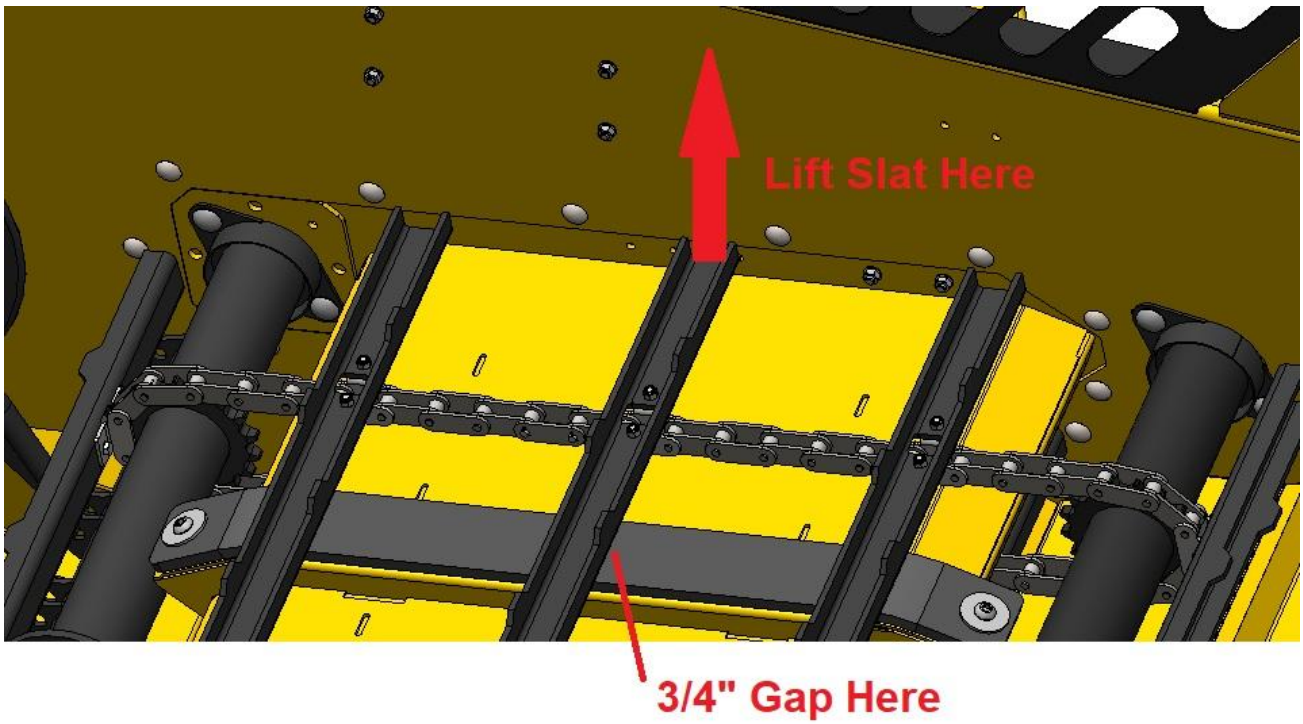


Chain Adjustment

The chain tension can be adjusted using the threaded rods on the front and rear of the tub. The bearing bolts must be loosened before the adjustment is started, then re-tightened after desired tension is achieved.



The chain tension should be checked front and rear. When lifting the slat nearest to the center between the drive shafts (by hand), the slat should lift by about 3/4" (roughly finger width) off of the plastic slider. There is also a gauge provided so that both sides can be adjusted evenly. It is best practice to use the same setting on both sides.



Hoop Grate Adjustment

The hoop grate controls the flow of material into the rotor. Along with chain speed, this is the primary feed rate & aggression control. Both the top and the bottom of the hoop bars can be adjusted independently to optimize feed flow. Hoops can be added or removed (subject to limitations described below) to further optimize performance.

Top Hoop Adjustment

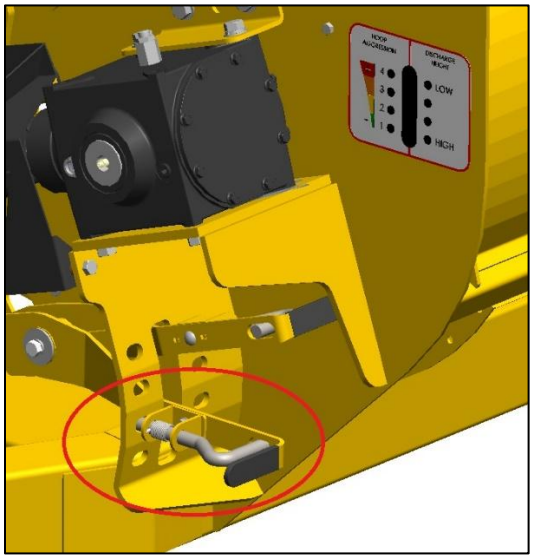


The top hoop adjustment controls the feed rate of the majority of the bale (while bale is approximately 25%-100% of full size). There are 4 positions on the spring-loaded adjust lever on the left side of the processor. Aggression increases from A to D.

To improve throughput and bale rotation, move the lever from A towards D. Best practice is to increase aggression one position at a time and then process a bale as a test before any further adjustment.

To reduce noise and vibration, reduce the top hoop aggression from D towards A. Excessive vibration may break the PTO shear pin and reduce the life of the rotor and driveline components.

Lower Hoop Adjustment



The lower hoop adjustment controls the feed rate of the core of the bale (when the bale is approximately 25% of full size or less). There are 4 positions on the outer spring-loaded handle on the front left corner of the processor. Aggression increases from position 1 to position 4.

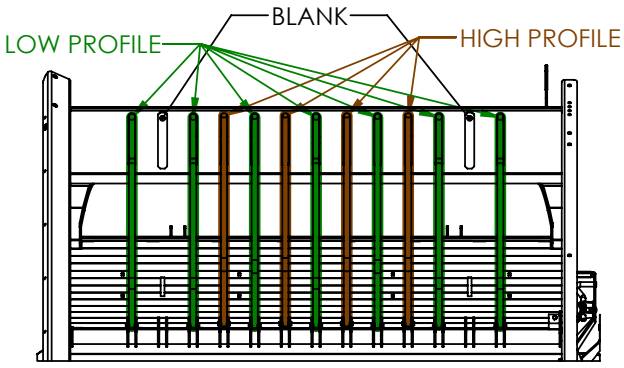
If vibration is excessive on the core, reduce aggression from 4 towards 1.

If higher throughput is desired, increase aggression from 1 towards 4.

Number of Hoops

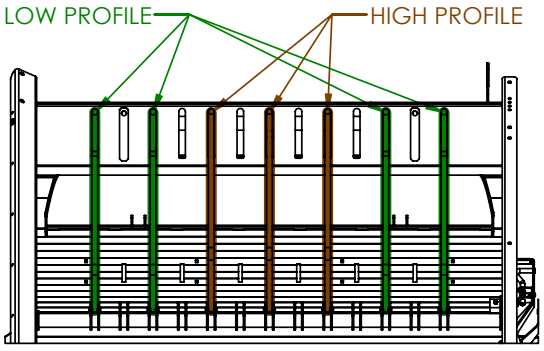
The Bale King 7450 is designed to run with a minimum of 7 hoops (10 inch spacing) to a maximum of 13 (5 inch spacing). Do not exceed 10 inch spacing.

From the factory, 11 hoops are installed. 7 low profile hoops at 10" spacing plus 4 high profile hoops in the middle of the processor. This combination is suitable for a wide range of bale conditions.

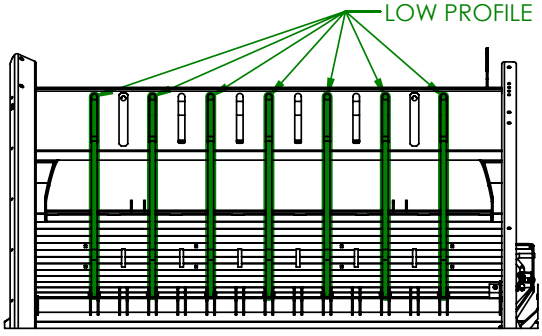


FACTORY HOOP LAYOUT

To increase throughput in dry conditions beyond what can be achieved via standard chain speed and hoop height controls (subject to overall vibration levels), remove 3 of the low-profile hoops and one of the high-profile hoops in the center of the machine (*leaving 4 low profile and 3 high profile hoops evenly spaced at 10" centers*) across the rotor. Reposition the high hoops to maintain 10" centers. Fine tune by adjusting the chain speed and hoop height settings.



OPTIONAL HOOP LAYOUT 1



OPTIONAL HOOP LAYOUT 2

If further throughput is desired (subject to overall vibration levels), remove the 3 high-profile hoops and replace with the previously removed 3 low-profile hoops (*end result is 7 low-profile hoops evenly spaced on 10" centers).* Fine tune by adjusting the chain speed and hoop height settings.

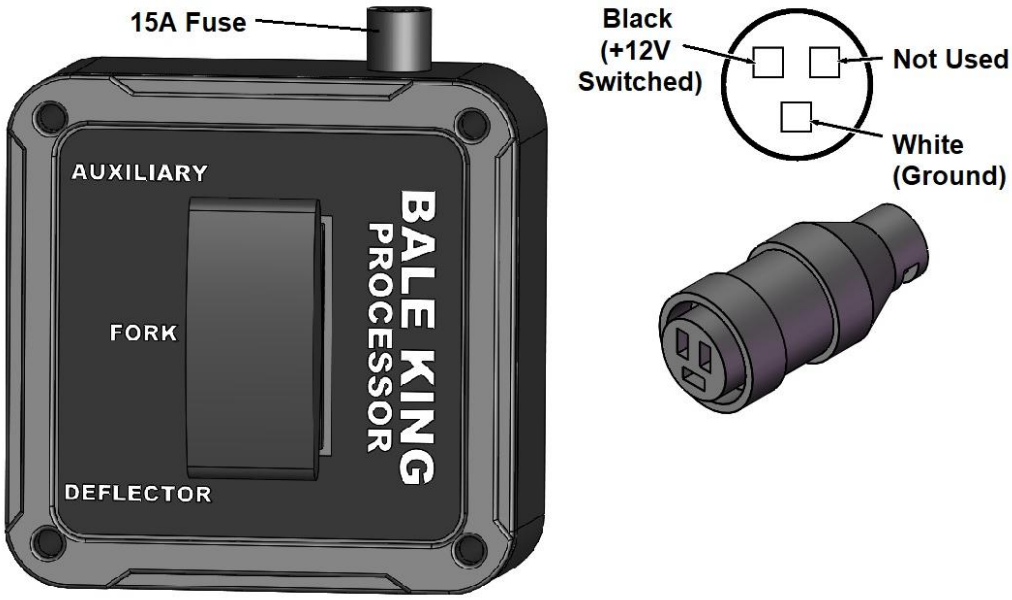
To reduce aggression over factory settings beyond slowing the chain and raising the hoops, 2 additional hoops can be purchased and installed for a total of 13 hoops. Alternatively, the low-profile hoops can be replaced with high profile hoops for improved control.

7450	Additional Low Profile Hoop Package (includes clamp)	35749
7450	Additional High Profile Hoop Package (includes clamp)	35750
7450	Additional Hoop Plug Package	35248

Optional Diverter Kit

The Bale King 7450 processor has an optional diverter kit which allows it to operate using only 2 hydraulic remotes. The fork and deflector functions are then controlled by a cab-mounted switch box. This box must be wired up to the tractor. You may use the provided plug to plug into the accessory outlet. If this is not available, the plug can be disassembled, and wired as necessary.

Black Wire	White Wire
+12V (Ignition Switched)	-12 V / Ground



7450	Diverter Kit (3 – 2 Remote)	33769
7450X	Diverter Kit (4 – 3 Remote)	33771
7450X	Diverter Kit (4 – 2 Remote)	33772

A 4-pin plug is used to power the diverter valve on the processor. Route the plug to the rear end of the tractor so the trailer end can be plugged in. If no power is supplied, the hydraulics will still control the rear forks, but the deflector will not be functional. If the switch in the tractor is activated, the deflector can be controlled. On 7450 machines with the option, this box can also control the 3-bale clamp (as "Auxiliary").

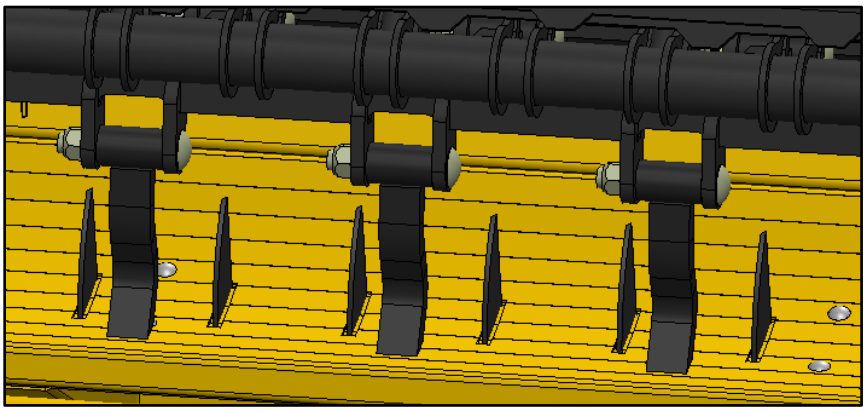
The diverter kit also features a pilot operated check valve to ensure that the deflector will not fall down due to leaking across the valve.

Optional Fine Chop Kit

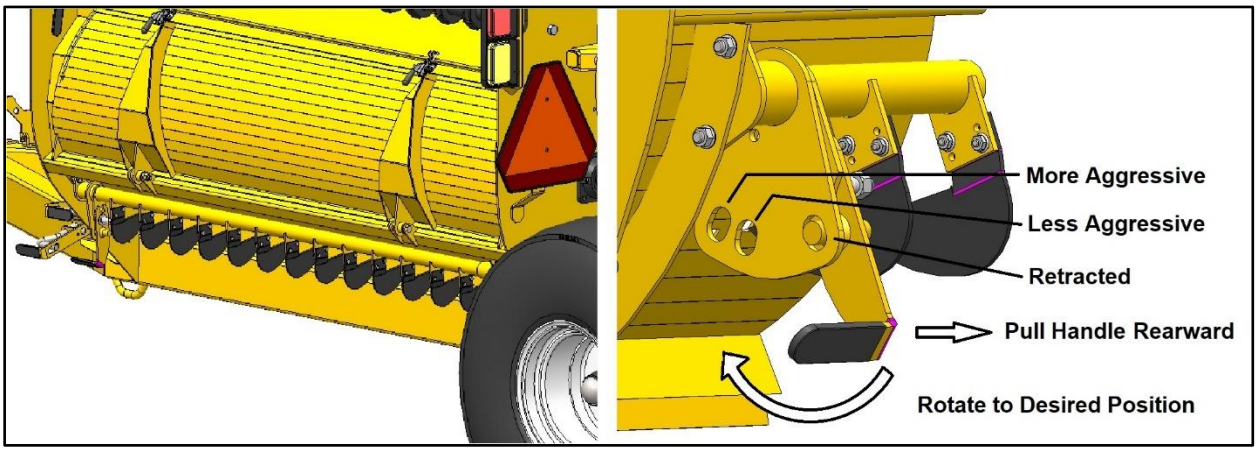
The Bale King 7450 processor has an optional fine chop knife kit available to go into the lower tub area. This option is available if you require a finer cut on the material which you are processing such as slough hay and silage bales.

7450	Optional Fine Chop Kit	33773

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



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



Optional 3 Bale Kit (7450X)



7450X	Optional 3-Bale Kit	33697

The Bale King 7450 has an available attachment kit which increases the carrying capacity of the processor by 50%, while maintaining the easy maneuverability of the two-bale processor. The attachment kit stores the second loaded bale behind the first and above the third in a set of powerful hydraulic clamps.

The 3-bale kit changes the loading process of the bale processor slightly. The loading of the second bale involves lifting the bale so the fork and bale are parallel to the ground, or just above this point. The clamp can be closed around the bale at this point and the fork then lowered back to the ground. The third bale can then be backed under and lifted until it is lightly supporting the second bale. After the first bale processing is complete, the clamp can be opened (while the third bale is supporting the second), and the fork can be lifted until the third bale pushes the second into the tub.

An optional back-up camera (page 31) is available to aid in the loading process by giving the operator direct visibility of the loading forks, even with a bale in the tub. See the next section for more information.

3 Bale Kit Loading Sequence:

1. Position the tractor and the Bale King so as to be lined up to back straight into the row of bales.
2. Ensure the bale clamp is opened fully.
3. When close to the bale, lower the forks completely (you will feel a light vibration as the forks bottom out against the frame).
4. Back completely under the first bale.
5. Lift the first bale, allowing the tractor to roll forward slightly while lifting the bale. This is because the lifting fork moves away from the machine slightly when loading.
6. 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.
7. Once you have the first bale in the tub and the second bale on the forks, raise the second bale until it presses on the bale in the tub and then lower it until the fork is approximately horizontal or just above. Raising and then lowering the bale puts it in the optimal position for clamping and clearance on the bottom bale.









8. Once the bale is in the appropriate location, close the clamp fully and then lower the lifting fork.
9. Back under the third bale and lift the forks until the third bale is lightly supporting the second bale. You will see when to stop lifting as the clamped bale will tilt forward slightly.
10. When the first bale has been processed and the third bale is still lightly supporting the second, open the clamp to release the second bale. Once the clamp is opened, lift the fork until the third bale pushes the second bale into the tub.
11. Once the second bale is processed, the fork can be fully lifted to load the third bale into the tub.







Lockout Mechanism Adjustment and Setting

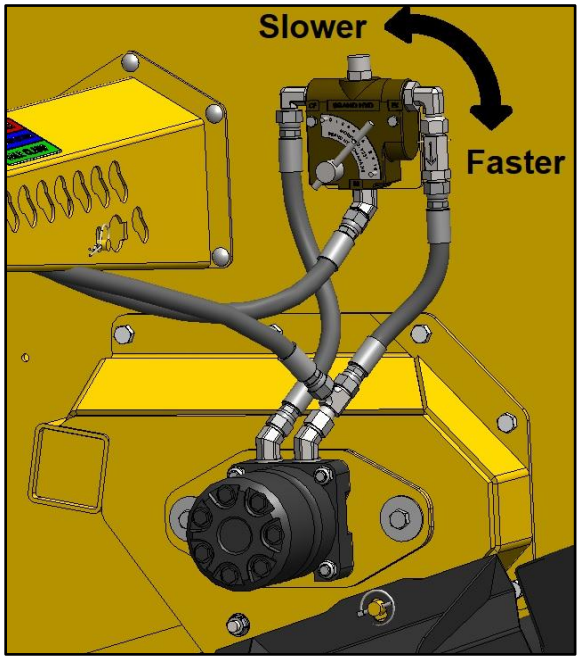
The 3 Bale Kit is equipped with a lockout mechanism that prevents damage to the clamps if the fork is lifted before the clamps are released. The lockout mechanism works by allowing the clamps to "break-away" if contacted, or if a bale in the fork pushes too hard on a clamped bale. When this happens, a valve is activated which locks out the forks and prevents them from lifting any higher. To reset, lower the bale slightly to release the valve, then open the clamps.



Clamps lift up in slot, activating the valve. Lowering the forks resets this.

Optional Flow Control Valve

The Bale King 7450 processor has an optional flow control valve to control the speed of the chain and slats if it is not possible to control this directly from the tractor. Rotate the lever left or right to slow or quicken the speed of the chain.



7450	Optional Flow Control Valve	33767

The speed should be adjusted so that the bale makes one full revolution in 8-12 seconds. This corresponds to a shaft rotation of 80-120 rpm, or 120 to 180 slats per minute. When adjusting the speed, make sure that the tractor is running at PTO RPM.

Optional Back-up Camera

The Bale King 7450 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.

7450	Back-up Camera Kit	32628





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.

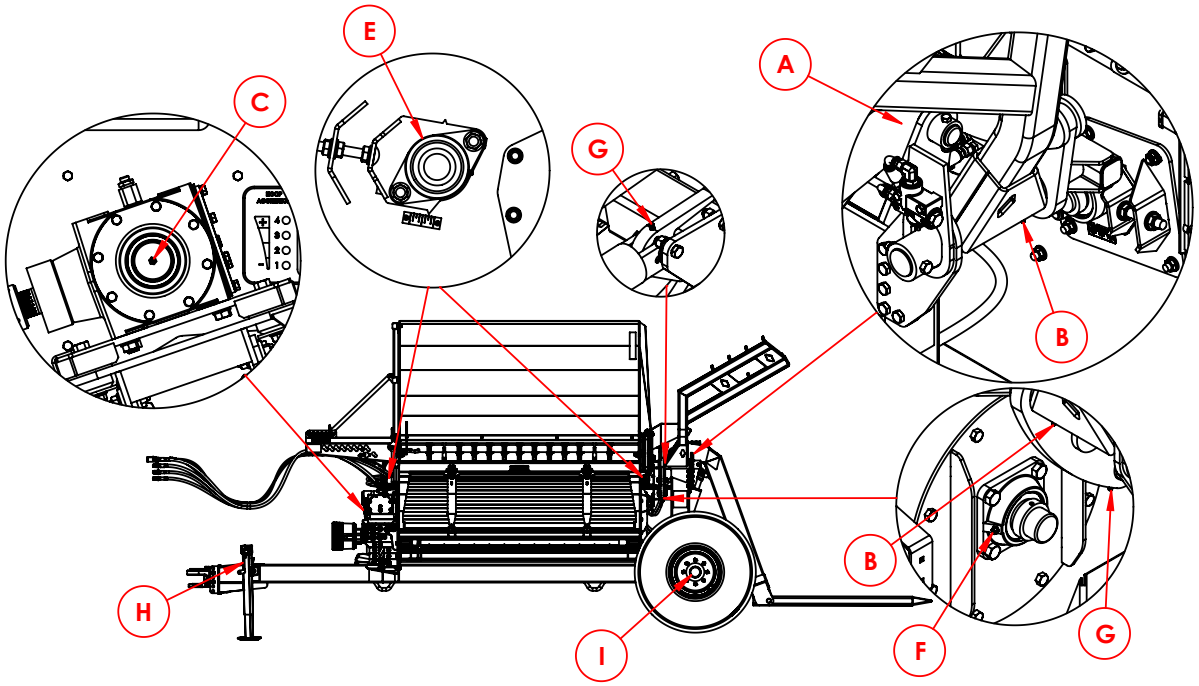
SERVICE AND MAINTENANCE

Grease Locations

Greasing of the Bale King 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	3 Bale Kit Arm Pivot *	2	3-5 pumps
PTO	PTO Cross & Bearings	3	5 pumps
	PTO Guard Bushings	2	5 pumps
	PTO Spline	1	8-10 pumps (low temp grease)
	PTO Spline	4	2-3 pumps
Every 500 bales (or annually)			
PTO	PTO CV Joint	1	30 pumps
E	Chain Table Bearings	4	3-5 pumps (DO NOT OVERGREASE)
F	Rotor Bearing	1	3-5 pumps (DO NOT OVERGREASE)
G	3-Bale Kit Cylinder Eye *	2	3-5 pumps
H	Jack	1	8 – 10 pumps
Annually			
I	Wheel Hubs	2	Pack hubs full

*** IF EQUIPPED**



PTO/Driveline

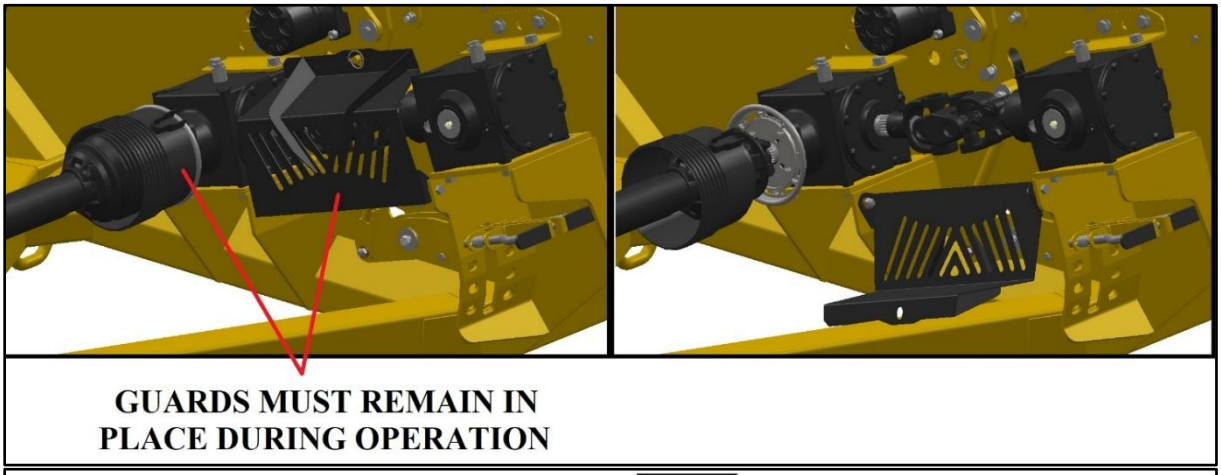
The Bale King 7450 features two PTO shafts. One connecting to the tractor, and one between the gearboxes. Frequent lubrication is required. Grease the driveline parts as required on the chart. The guards must be removed for access.

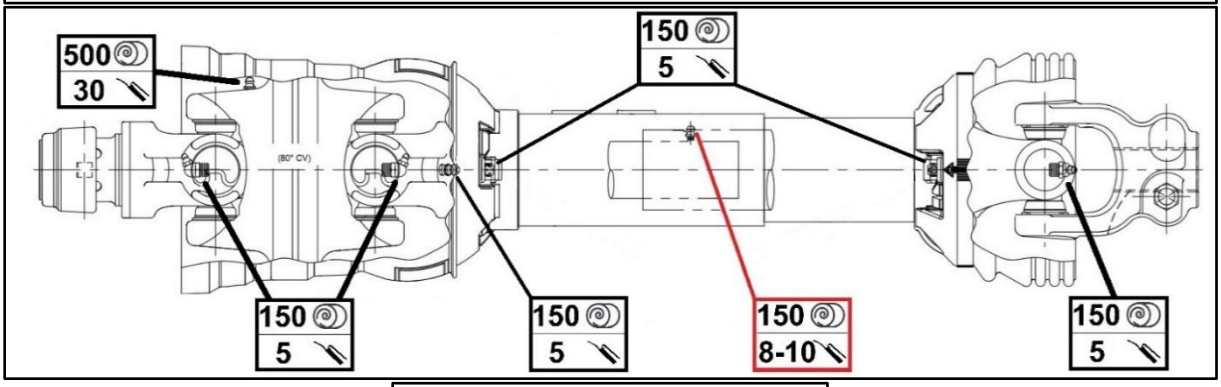
After storage for long periods of time, lubricate and check the function of every driveline component before operating. Failure to grease all the joints will **VOID** warranty.

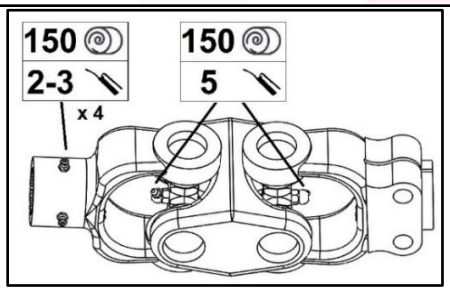
All zerks can be accessed while the PTO is connected to the tractor EXCEPT for the telescoping spline, which can only be accessed when the PTO is fully retracted.

*** USE LOW TEMPERATURE GREASE FOR TELESCOPING SPLINE ***

If operating in cold temperatures (below freezing), low temperature grease (ex. EP-1.5 synthetic) should be used, especially for the telescoping spline. This will make extending / retracting the shaft much easier and relieve stress from turning.



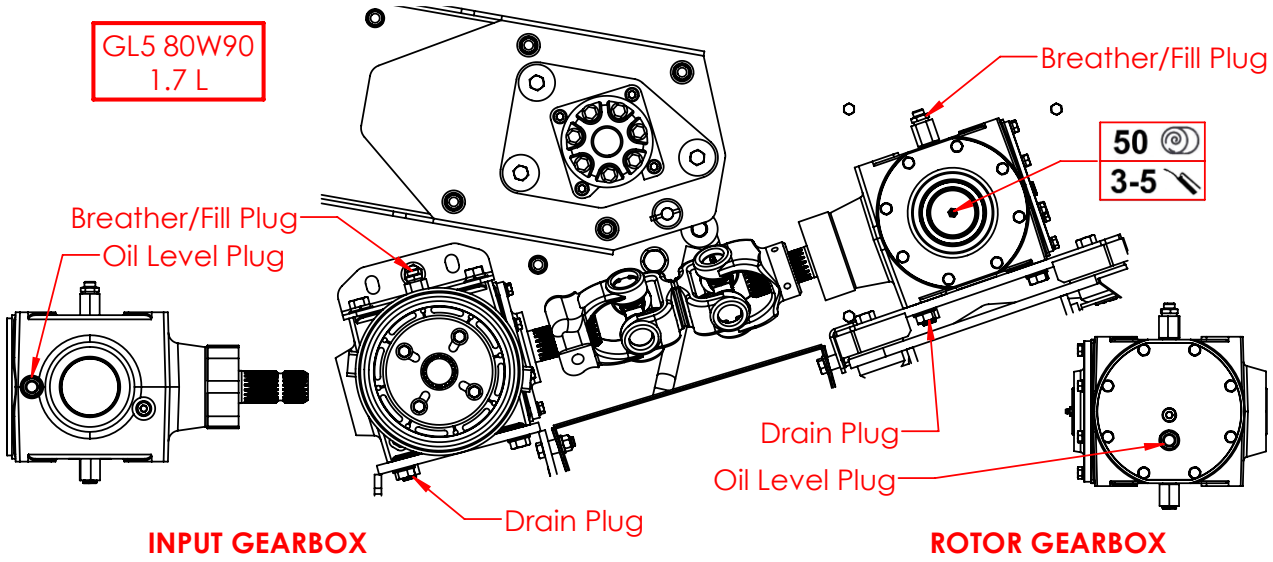




Gearboxes

There is one grease zerk on the front of the outer gear box. Apply 3-5 pumps of good quality grease every 50 bales.

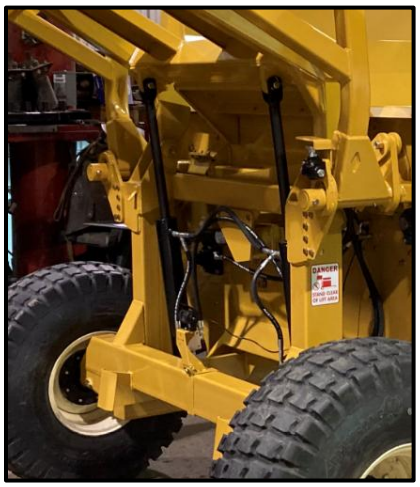
If the gearbox is removed to replace the rotor or perform any other service, add **150 pumps** of grease to the grease zerk upon reinstallation.



The gearboxes require GL5 80W90 gear oil. The gearbox should be filled to the level plug (approximately **1.7 L)** and checked on a regular basis. Check the breathers for any oil spillage. The oil should also be changed at the following intervals:

- 250 bales after first use
- Every 2000 bales (or annually, whichever comes first)

Cylinder Maintenance



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

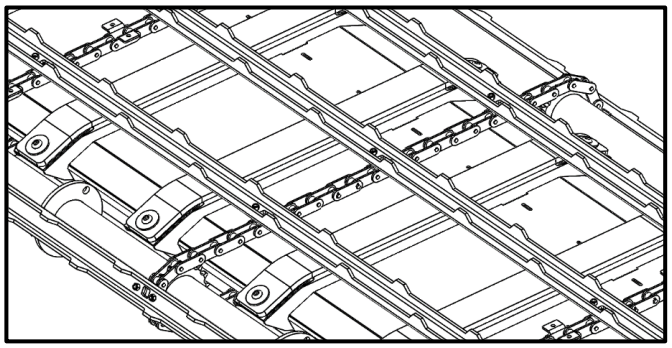
- Lowering the fork (or deflector) to the down position and unhooking the hydraulic lines. Be sure there is no pressure on the lines and mark the line locations so there is no confusion when reinstalling the cylinders. Check hydraulic schematics.
- Removing the cotter pin closest to the frame of the 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.***

Chain

The bale turning chains should be lubricated every 500 bales or annually (whichever comes first).



Apply graphite chain lubricant spray to both sides of each chain connection.

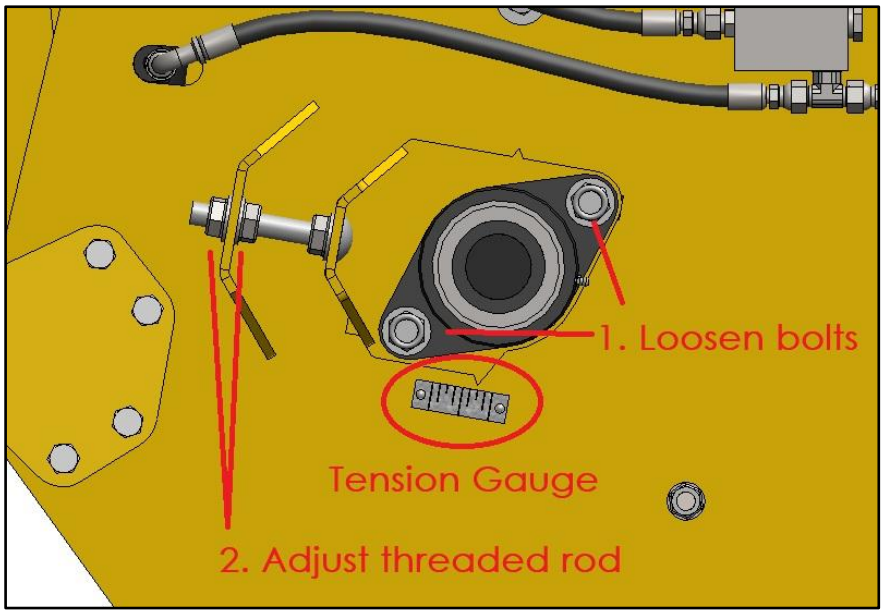
Inspect the sprockets and plastic wear strips for excessive wear. Inspect the slats and straighten or replace any bent ones.

IMPORTANT: Remove any twine which may have wrapped around the shafts. If too much builds up, it may bend the slats.

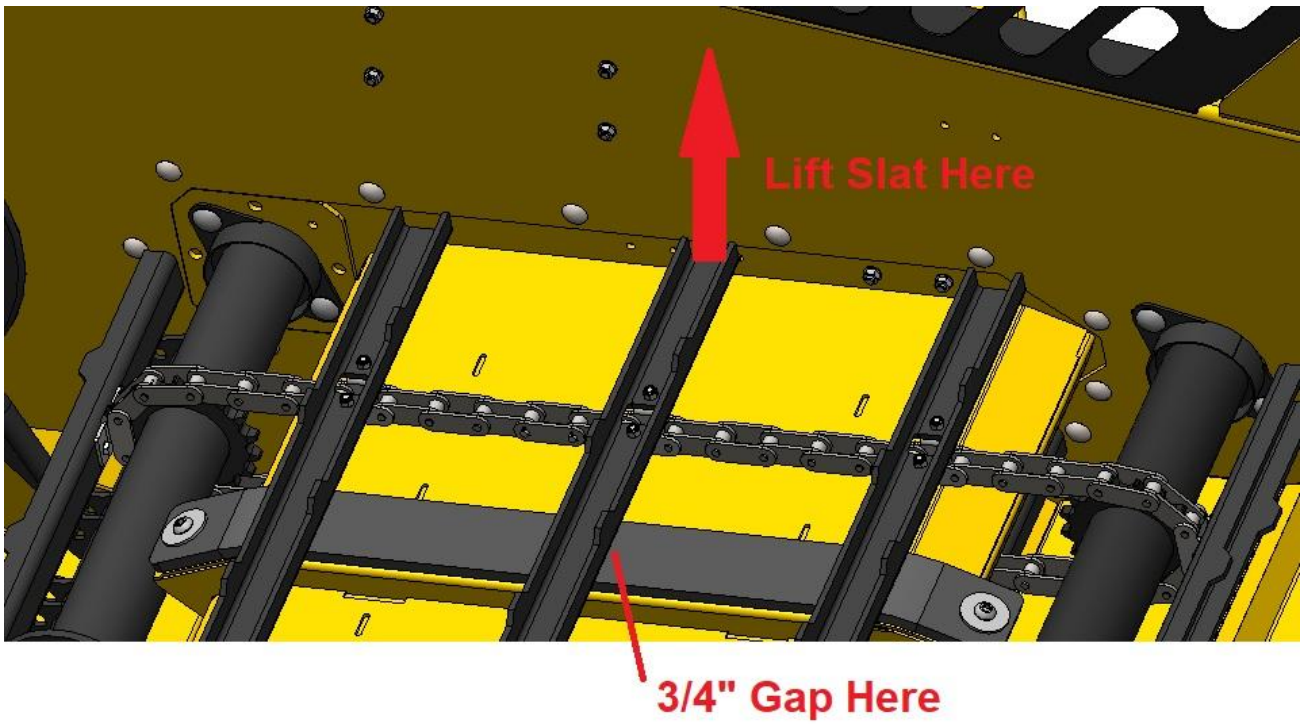
Check the chain tension and adjust if necessary.

Chain Adjustment

The chain tension can be adjusted using the threaded rods on the front and rear of the tub. The bearing bolts must be loosened before the adjustment is started, then re-tightened after desired tension is achieved.



The chain tension should be checked front and rear. When lifting the slat nearest to the center between the drive shafts (by hand), the slat should lift by about 3/4" (roughly finger width) off of the plastic slider. There is also a gauge provided so that both sides can be adjusted evenly. It is best practice to use the same setting on both sides.



Tires

Wheel bearings should be inspected annually for adjustment and lubricated annually. 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.

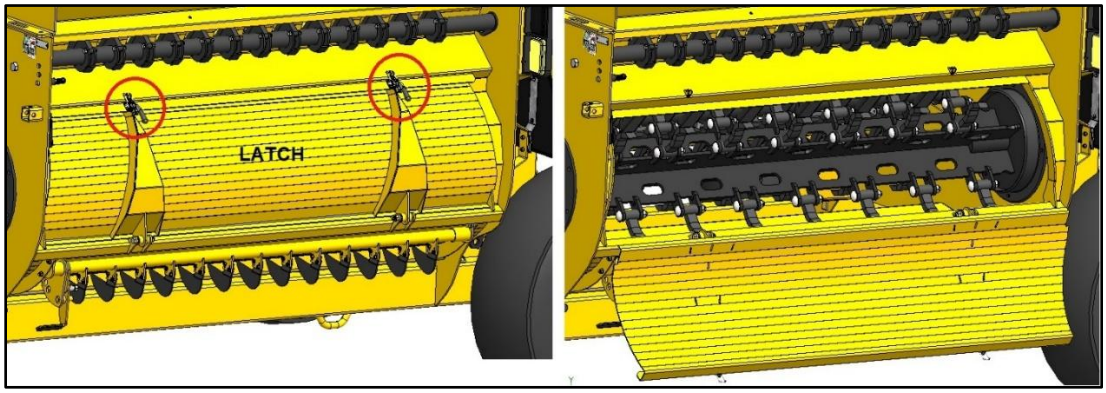


Note: ***When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly.***

Twine Removal

It is natural that twine that has been removed from the bales will wrap around the rotor. 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.

To make this process even easier, an access door is available for easy access to the rotor. This is found on the left side of the machine and is opened and closed using the over-center latch at the top of the door. Always make sure this door is properly closed while operating.



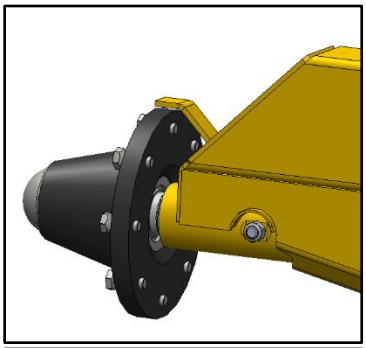
WARNING: Before attempting the removal of twine from the rotor, be sure that the machine is stopped and the tractor is shut **OFF**. Place the tractor in park. Twine can be removed with the use of any knife. Cut the twine/net along the full length of the rotor, then pull this twine out of the machine and dispose of it.

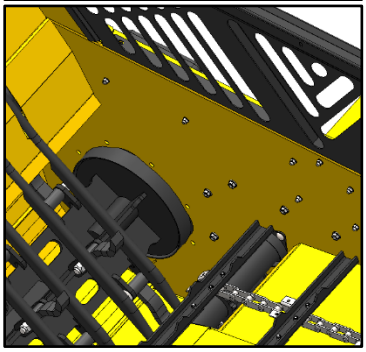
An electric device is also available from suppliers to melt the twine & allow it to be pulled off. Twine/net combined with hay dust is extremely flammable. **NEVER** leave the machine unattended until all twine, dust, and embers have been removed. It is **NOT PERMITTED** to leave the twine burning on 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.

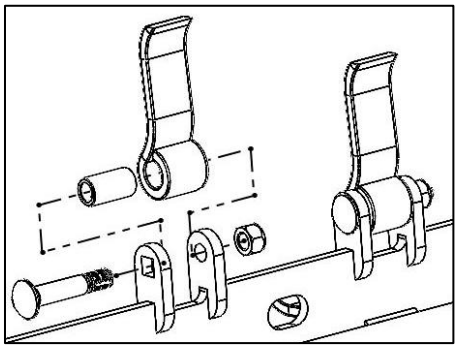
Twine guards are also installed on the machine to keep bale twine out of important areas such as bearings. They should be checked for twine wrap periodically.





- 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 chain table shafts are equipped with removable twine guards. The guards are mounted to 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 chain table shafts. Inspect the twine guards and adjust as necessary.

Rotor 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.

Flail	**35732**
Bushing	**35730**

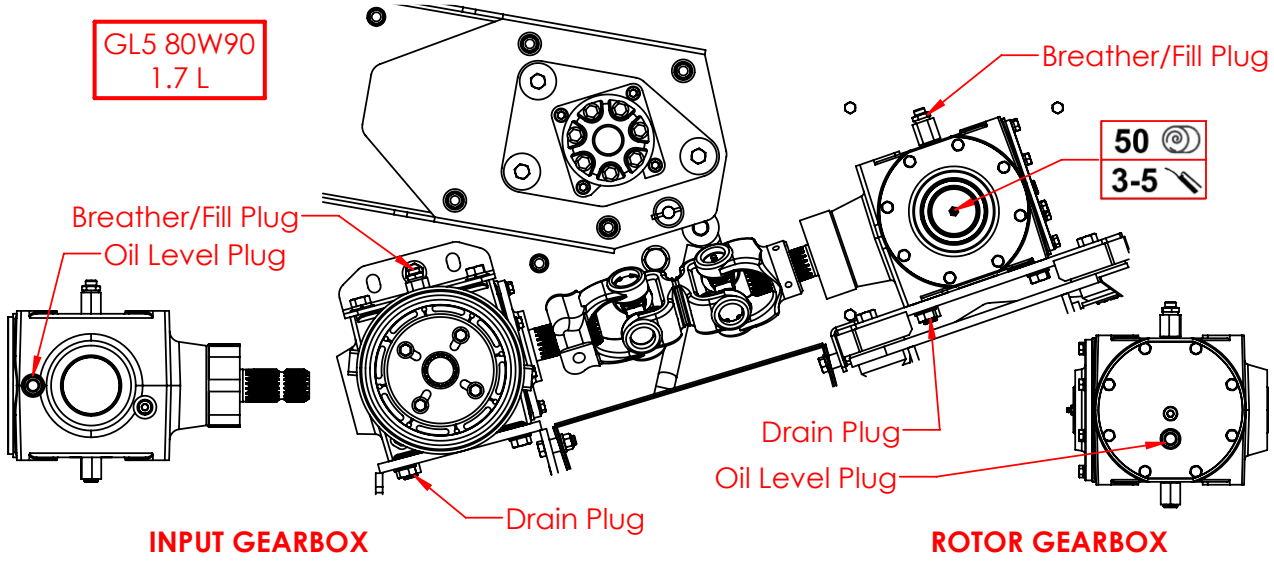
Bridgeview Manufacturing Inc. recommends when changing flails to change in **PAIRS** (opposite each other). Processing bales with broken flails causes the rotor to be out of balance and excessive vibration may cause machine deterioration.

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.
- Remove the hoops
- Slide front twine guard over the rotor
- Drop rotor into top of tub. Drop the back side through the rear tub hole, then push the splined end through the front tub panel into the gearbox.
- Install new bearing to the rear bearing plate and torque to **200 ft-lb.** Slide bearing over the rotor shaft. Do not tighten collar yet.
- 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. Drain and replace if necessary.
- Add **100-150 pumps** of grease to the front gearbox grease zerk. Grease should begin coming out of the splines between the gearbox and tub
- Install front twine guard using 3/8" bolts. Make sure it is not rubbing on the rotor plate.

If the gearbox is removed for any reason, special care must be taken when reinstalling:

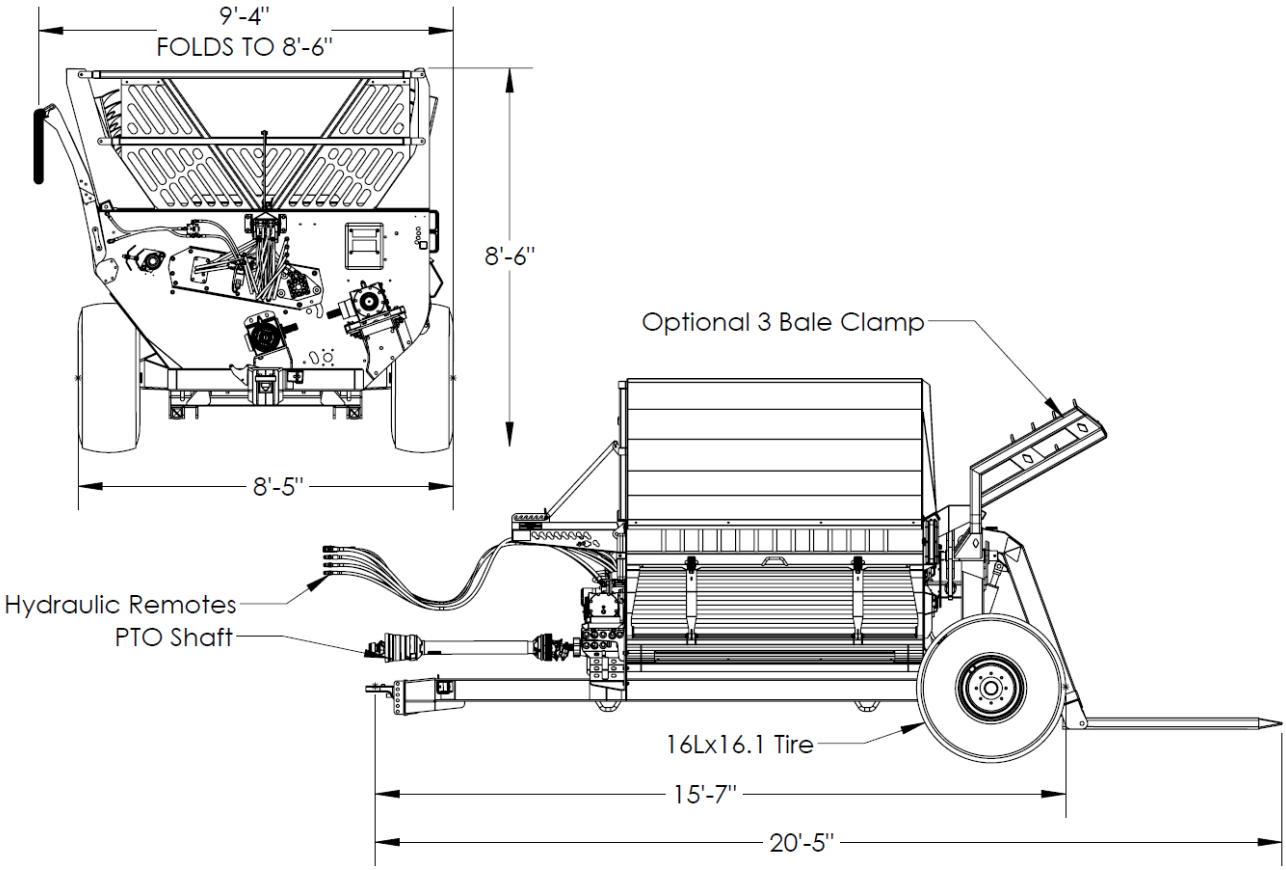
- The gearbox must be aligned to the rear bearing (**Alignment Kit # 34468** available from Bridgeview **must be used**). The rotor must be removed in order to do this.
- Install gearbox drain plug and breather. Install oil level sight glass as shown.
- Bolt the gearbox to the tub using **NEW** bolts and washers provided. **Torque to 185 ft-lb**
- Fill gearbox with oil. Approximately **1.7L of GL5 80W90**
- Apply grease to the front of the gearbox. About **150 pumps** will be required. Pump until grease starts to come out of the rotor spline between the gearbox and tub.



Trouble-shooting Guide

Problem	Possible Cause	Remedy
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 • Install 2 extra hoops for a total of 13 • Replace low profile hoops with high profile • 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
Excessive main shear bolt breakage	Excessive machine vibration	• See above
	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 horsepower	• Use smaller tractor (recommended 150 HP)
	Incorrect shear bolt used	• Use correct shear bolt (3/8 x 2" Gr.5 Fine Thread)
Bale not turning	Bale on fork or 3 bale clamp is contacting the bale in the tub	• Lower the forks • Adjust the bale in the 3 bale clamps by supporting with the fork bale, opening the clamps, lowering slightly, then re-clamping
	Excessive loose material in tub causing chain to lose contact with bale	• Reverse direction of bale rotation temporarily • Turn bale more slowly • Increase hoop aggression • Adjust top hoop setting
	Tractor relief pressure set too low	• Set tractor relief pressure to at least 2200 PSI
	Chain too tight	• Reduce chain tension
	Chain broken	• Replace failed parts
	Coupler between motor and drive shaft broken	• Replace failed parts
Forks chattering when lowering	Check valve is opening and closing rapidly	• Increase hydraulic flow rate • Do not "feather" the valve. Allow to drop at full speed
With 3 Bale Kit, fork is not lifting to full stroke	Bale or fork are hitting the 3 bale kit arms	• Lower fork and fully open 3 Bale Kit fully before lifting

FEATURES AND SPECIFICATIONS



Available Options:	**BMI #**
Three Bale Kit *	33697
Fine Chop Kit	33773
Hitch Clevis	29786
Backup Camera Kit	32628
Scale Kit	34754
2 Remote Hydraulic Kit	33769
Other Hydraulic Kits Available	

*NOTE: If adding a Three Bale Kit, the model is referred to as "7450X".

Dimensions:	**7450**	**7450X**
Overall Weight	6000 lb	6400 lb
Drawbar Weight	2000 lb	2000 lb
Overall Length (Forks Up)	17'-2"	
Overall Width (Deflector Down)	11'-6"	
Rotor Extended Tip Diameter	27"	
Discharge Opening	80" wide, 9-12" high (adjustable)	

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

Driveline:	
Minimum Horsepower	100 HP
Recommended Horsepower	150 HP
PTO Shaft	Weasler Cat. 6 w/ 80 deg. C.V. 1-3/8" 21 Spline STANDARD 1-3/4" 20 Spline OPTIONAL
Shear Bolt	3/8 x 2" Fine Thread Gr. 5
Rated PTO RPM	1000 RPM
Rotor Flail Tip Speed at 1000 RPM	7000 FPM
Number of Rotor Flails	28
Rotor Flail Size	7/16 x 2 x 6-1/4" Spring Steel
Rotor Flail Bushing	Hardened Steel
Rotor Shaft	1-15/16" Bearing
Gearbox Oil	GL5 80W90
Gearbox Oil Capacity	1.7 L each

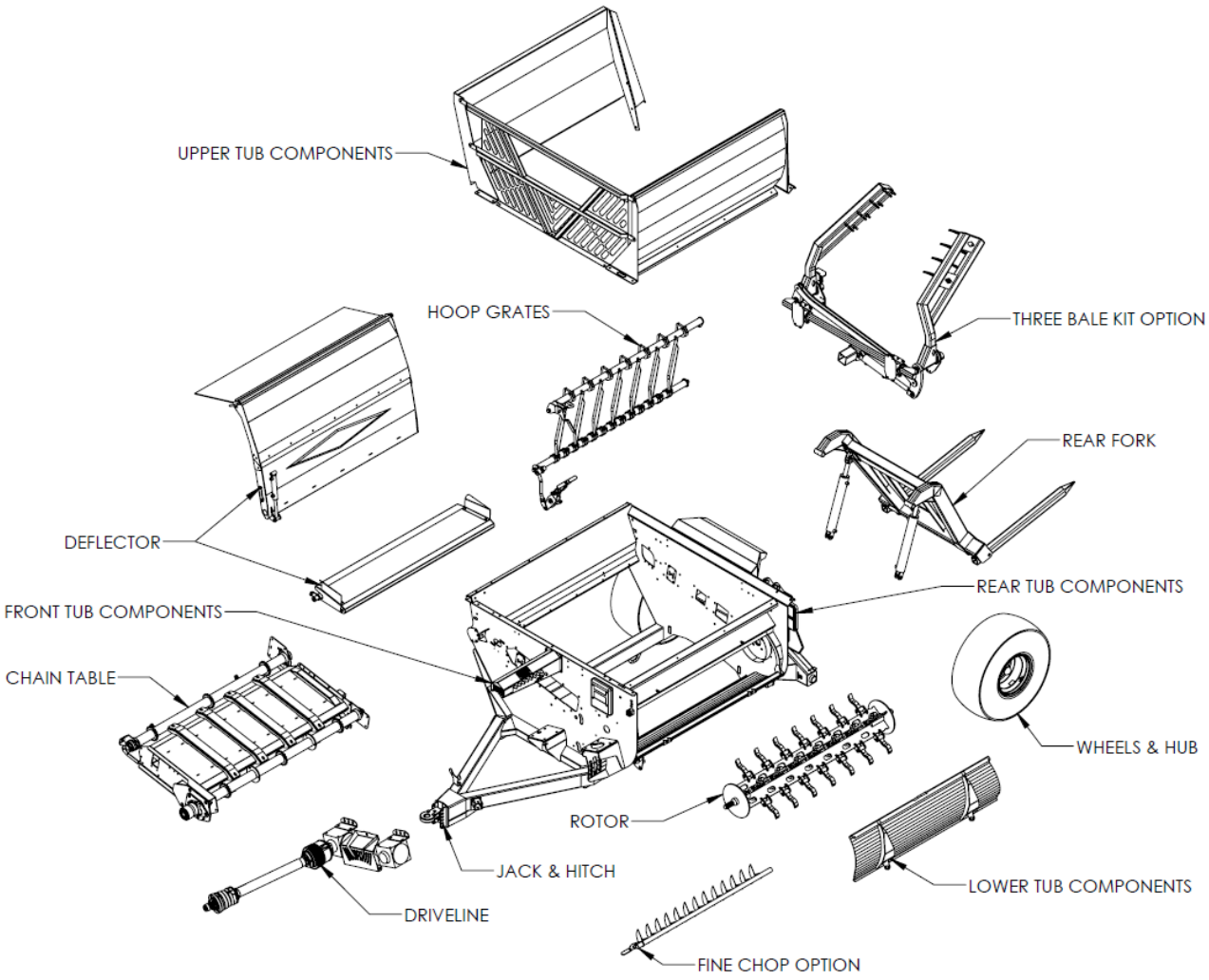
Hydraulics:		
Required Remotes	3 Standard 2 Optional	2, 3 or 4
Minimum Flow Requirements	15 GPM	
Minimum Pressure Requirements	1800 psi	

Other:	
Chain Table Drive Shafts	1-3/4" Bearings (all)
Twine Guards	Rotor, Chain Table, Axles
Adjustable Bale Fork Width	48 in. or 40.5 in. (on center)
Adjustable Hitch Height	4 settings at 1.5 in. Intervals (14.5" -19")
Discharge Deflector	Adjustable Top and Bottom Removable Rubber End Flap

PARTS MANUAL

Machine Overview 46
Jack and Hitch 47
Wheels & Hub 48
Hub & Spindle 49
Driveline 50
Driveline Guards 51
Rotor 52
Rotor Gearbox # 35799 53
Rotor Gearbox # 33011 54
Input Gearbox # 33010 55
Gearbox Coupler Shaft 56
PTO Shaft 57
Chain Table 58
Chain Table Overview 59
Chain & Slat Front Panel 60
Chain & Slat Rear Panel 61
Chain & Slat Access Panel 62
Chain & Slat Assembly # 33832 63
Hoop Grates 64
Hoop Grates 65
Adjustment Handles 66
Lower Tub Components 67
Lower Deflector 68
Fine Chop Option 69
Deflector 71
Upper Tub Components 73
Front Tub Components 75
Hose Holder & Hydraulic Clamps 77
Diverter Control Box 78
Rear Tub Components 80
Slow Moving Vehicle (SMV) Sign Kit 81
Lights 82
Rear Fork 84
Three Bale Kit Option 85
Three Bale Kit Left Arm 86
Three Bale Kit Right Arm 87
Three Bale Kit Center 88
Back-up Camera Option 89
Decals 90
HYDRAULIC SCHEMATICS 95

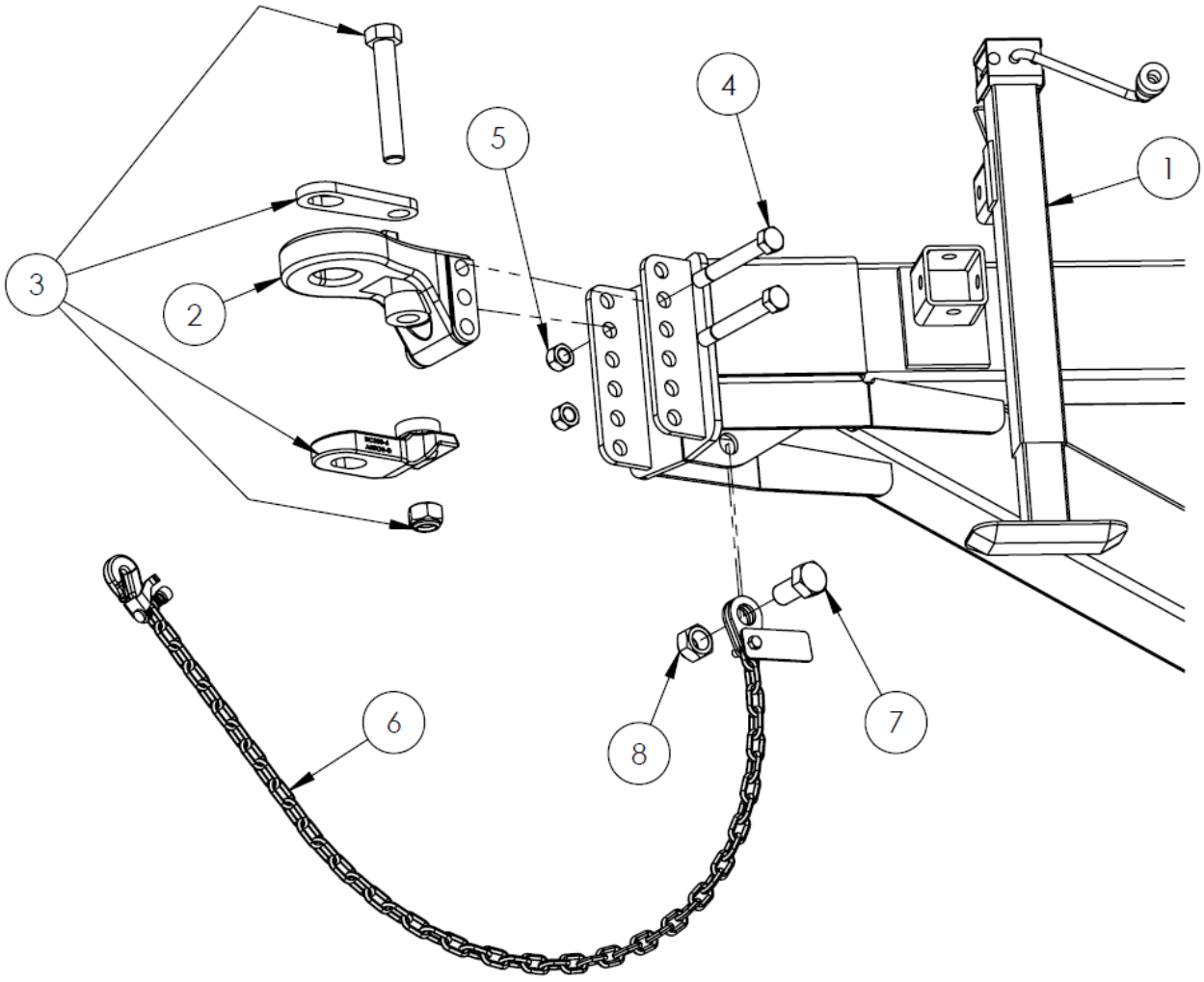
Machine Overview



** PAY ATTENTION TO SERIAL NUMBER RANGES WHERE APPLICABLE **

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

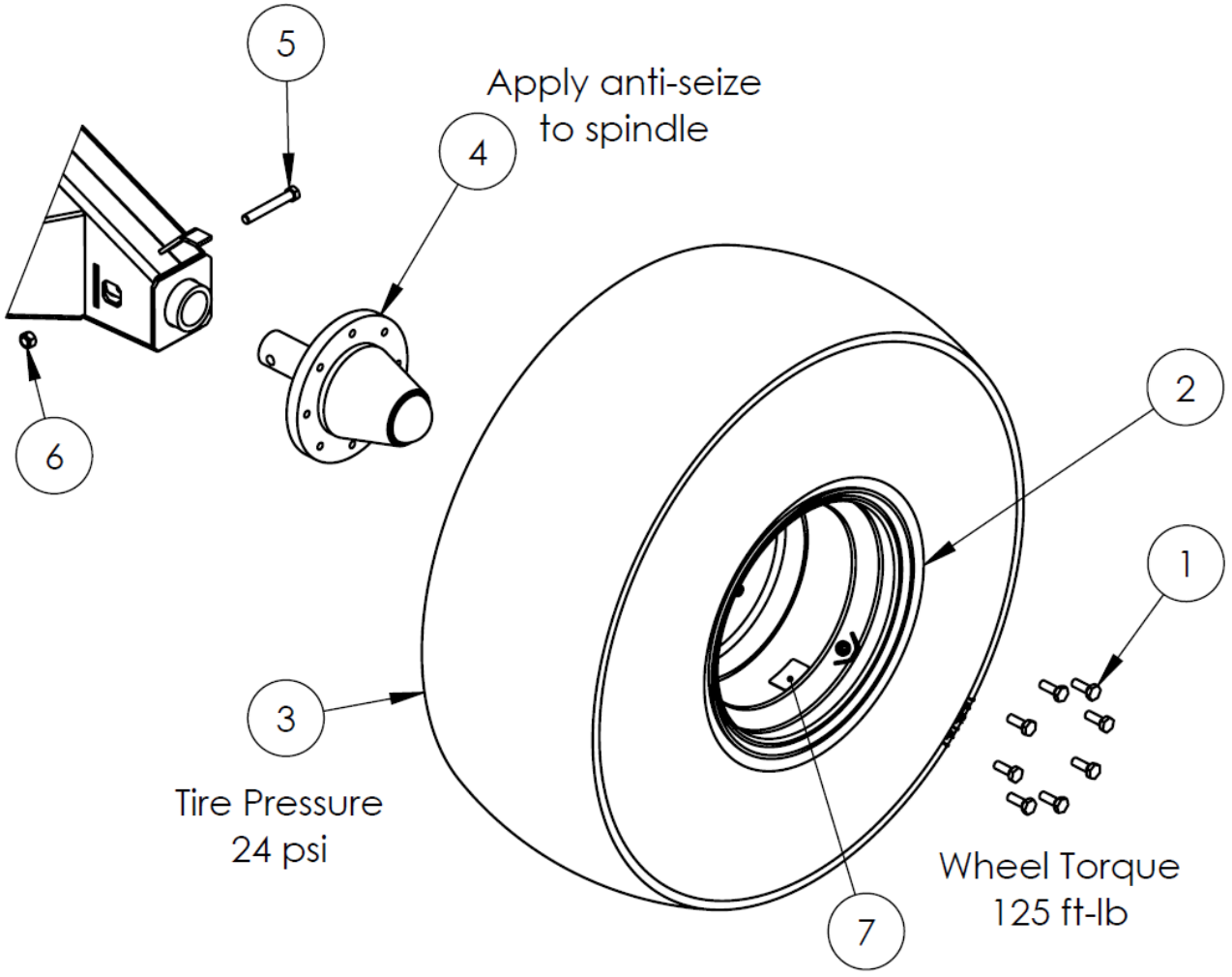
Jack and Hitch



	Description	ID #	QTY
1	Jack, 5000lb Square Mount w/ Pin	31637	1
2	Hitch Tongue	29785	1
3	Hitch Clevis Kit *Individual parts NSS*	29786	1
4	Bolt, 3/4 x 5-5/8”	10802	2

	Description	ID #	QTY
5	Nut, 3/4” Stover Lock	11823	2
6	Safety Chain, 11000lb x 53”	21715	1
7	Bolt, 1 x 2”	18992	1
8	Nut, 1” Stover Lock	21746	1

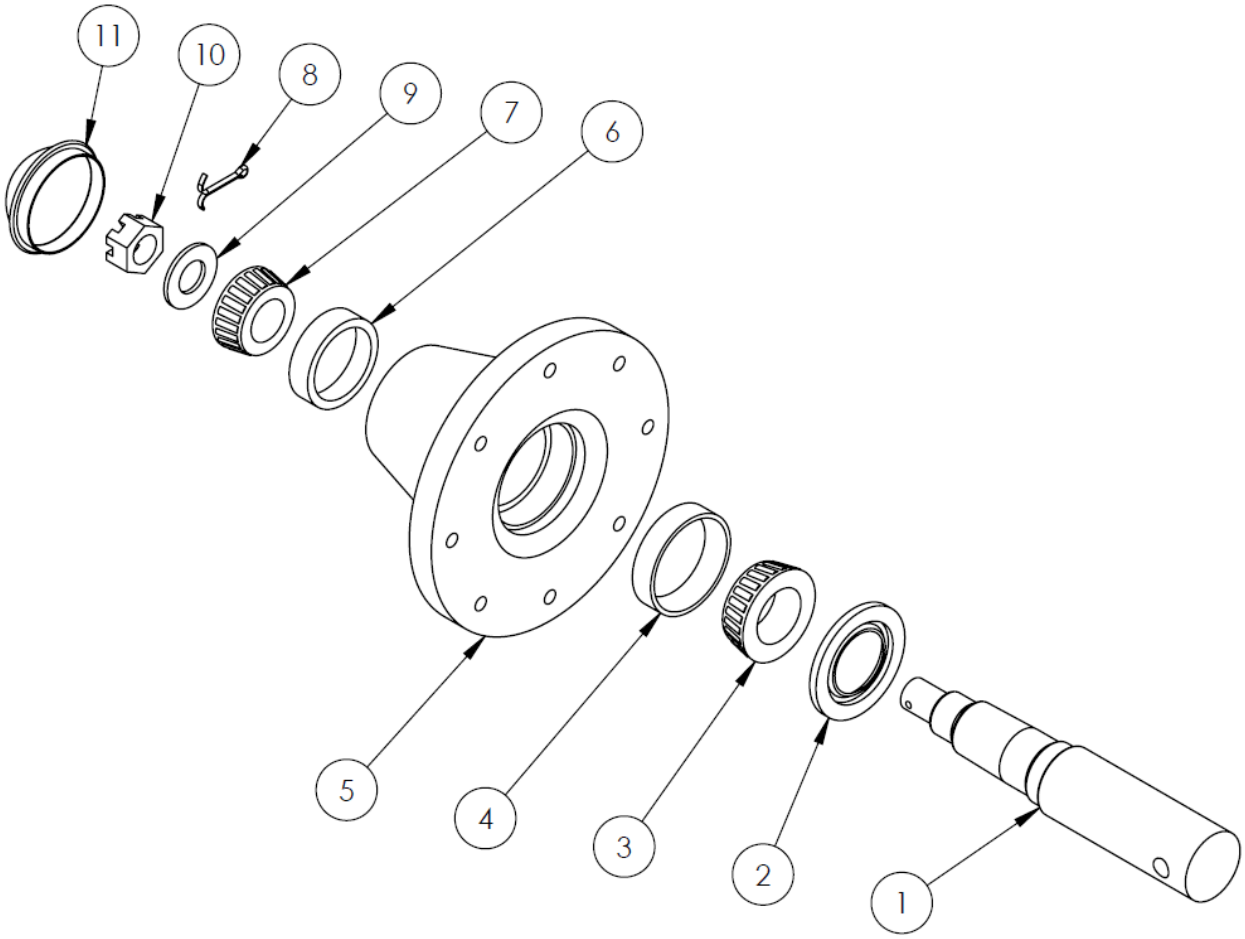
Wheels & Hub



	Description	ID #	QTY
1	Wheel Stud, 9/16” NF x 1-3/4”	10347	16
2	Rim, 16.1x14, 8 on 8”	10354	2
3	Tire, 16.5L-16.1 8 ply	NSS	2
4	Spindle & Hub Assembly	29679	2

	Description	ID #	QTY
5	Bolt, 9/16 x 4”	33912	2
6	Nut, 9/16” Stover Lock	21165	2
7	Wheel Torque Decal	28385	2

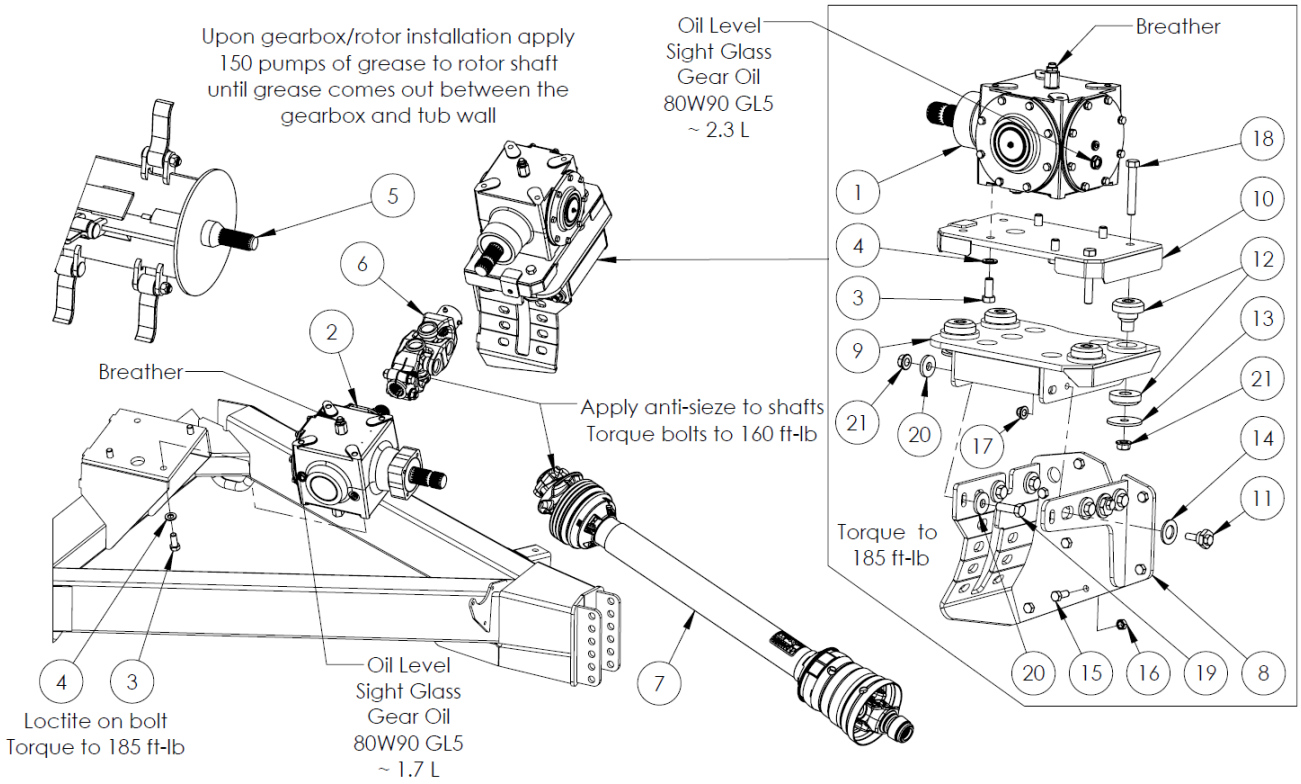
Hub & Spindle



	Description	ID #	QTY
-	Complete Assembly	29679	1
1	Bolt-on Spindle	29730	1
2	Seal, 2” ID	10344	1
3	Bearing Cone, 1.796” *LM25590*	10345	1
4	Inner Bearing Race *25520*	10349	1
5	Hub Housing *Includes 4 & 6*	10343	1

	Description	ID #	QTY
6	Outer Bearing Race *25821*	10346	1
7	Bearing Cone, 1.375” *LM25877*	10348	1
8	Cotter Pin, 3/16 x 1-1/2”	10072	1
9	Flat Washer, 1-1/16” ID x 2” OD	10071	1
10	Castle Nut	10153	1
11	Dust Cap	10350	1

Driveline

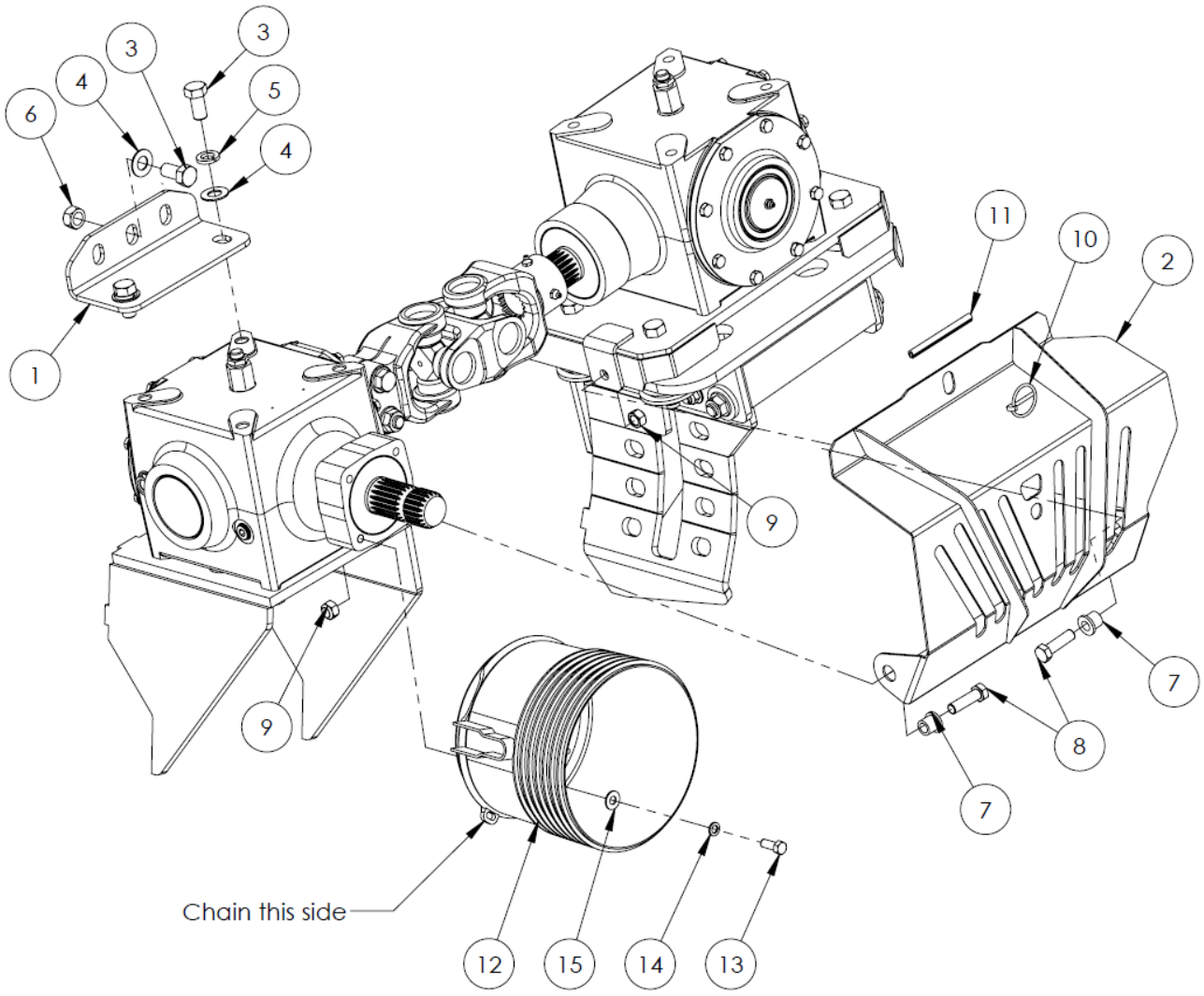


	Description	ID #	QTY
1	Rotor Gearbox *Includes 3,4 mounting hardware* *See breakdown page 53*	36447	1
2	Input Gearbox *See breakdown page 55*	33010	1
3	Bolt, 5/8 x 1-1/2" w/ Threadlocker	33930	8
4	Washer, 5/8" Nord-Lock	34441	8
5	Rotor *See breakdown page 52*	-	1
6	Gearbox Coupler Shaft *See breakdown page 56* *Remove gearbox #2 to swap*	32803	1
7	PTO Shaft *See breakdown page 57*	20546	1
8	Bolt-on Gearbox Mount @	35781	1
9	Gearbox Adjustment Plate @	35783	1

	Description	ID #	QTY
10	Rotor Gearbox Mounting Plate @	35785	1
11	Cam Adjuster @	35779	3
12	Rubber Vibration Damper	35541	4
13	Washer, 5/8 x 2-3/4 OD x 3/16"	35716	4
14	Washer, 1" Flat	31372	3
15	Bolt, 1/2 x 1-1/4"	10240	8
16	Nut, 1/2" Stover Lock	20154	8
17	Nut, 1/2" NF Stover Flange Lock	35701	3
18	Bolt, 5/8 x 4"	33037	4
19	Bolt, 5/8 x 2"	26607	6
20	Washer, 5/8" x 1-3/4 OD x 1/4"	21390	12
21	Nut, 5/8" Stover Flange Lock	33842	10

@ When installing a new gearbox mounting plate, an alignment kit is required.
This kit #34468 can be rented from Bridgeview. This will ensure that the gearbox is properly aligned
Always install new bolts (3) if gearboxes are removed.

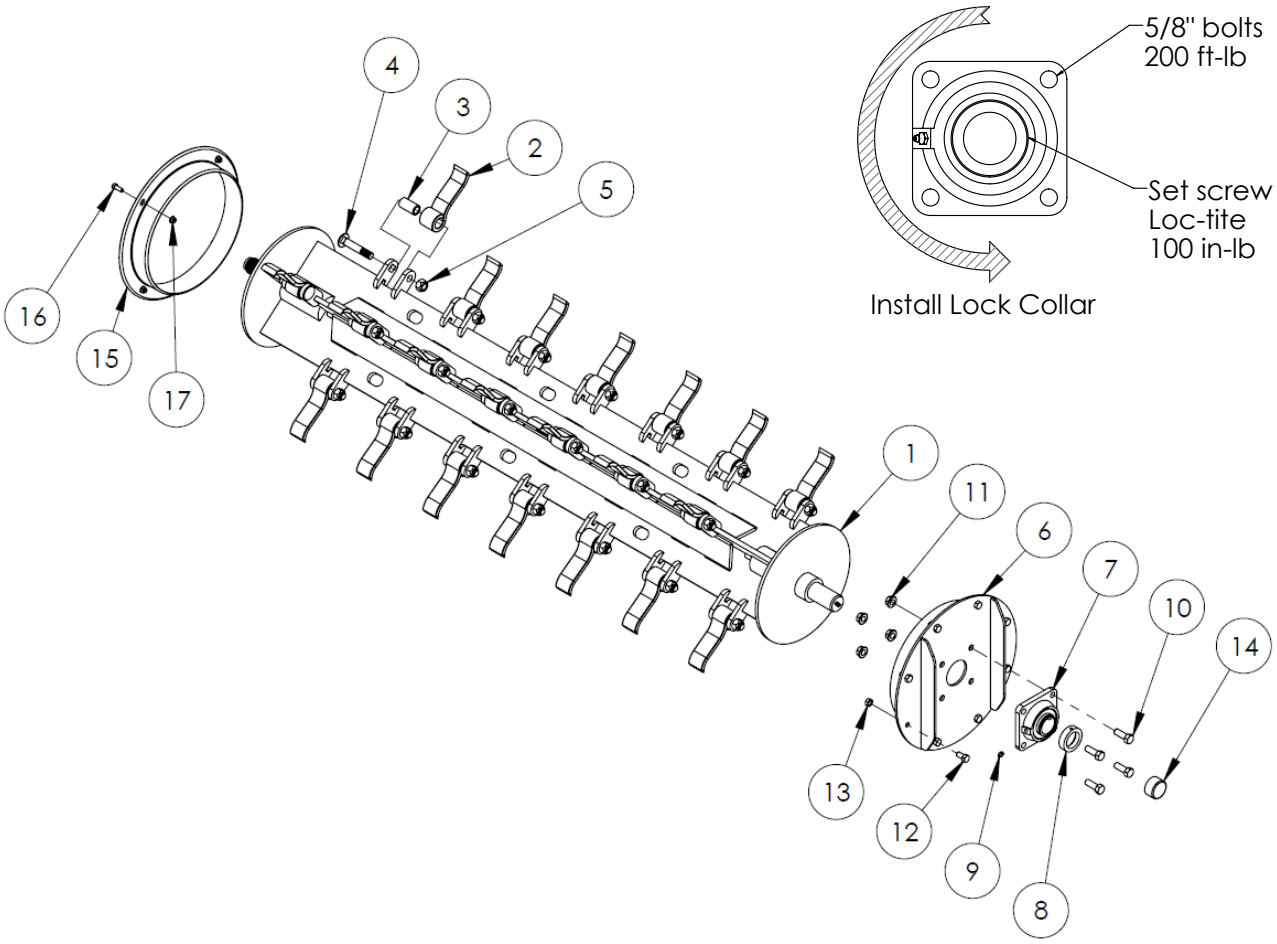
Driveline Guards



	Description	ID #	QTY
1	Gearbox Upper Cover Bracket	34311	1
2	Gearbox Coupler Guard	35787	1
3	Bolt, 5/8 x 1-1/4”	24645	3
4	Washer, 5/8” Flat	13975	3
5	Washer, 5/8” Lock	10276	2
6	Nut, 5/8” Stover Lock	20150	1
7	Flanged Bushing	33002	2
8	Bolt, 1/2 x 1-3/4”	10805	2

	Description	ID #	QTY
9	Nut, 1/2” Stover Lock	20154	2
10	Lynch Pin	13233	1
11	Rubber Trim	35205	1
12	PTO Guard	34899	1
13	Bolt, 3/8 x 1”	13806	4
14	Washer, 3/8” Lock	13971	4
15	Washer, 3/8” Flat	11667	4

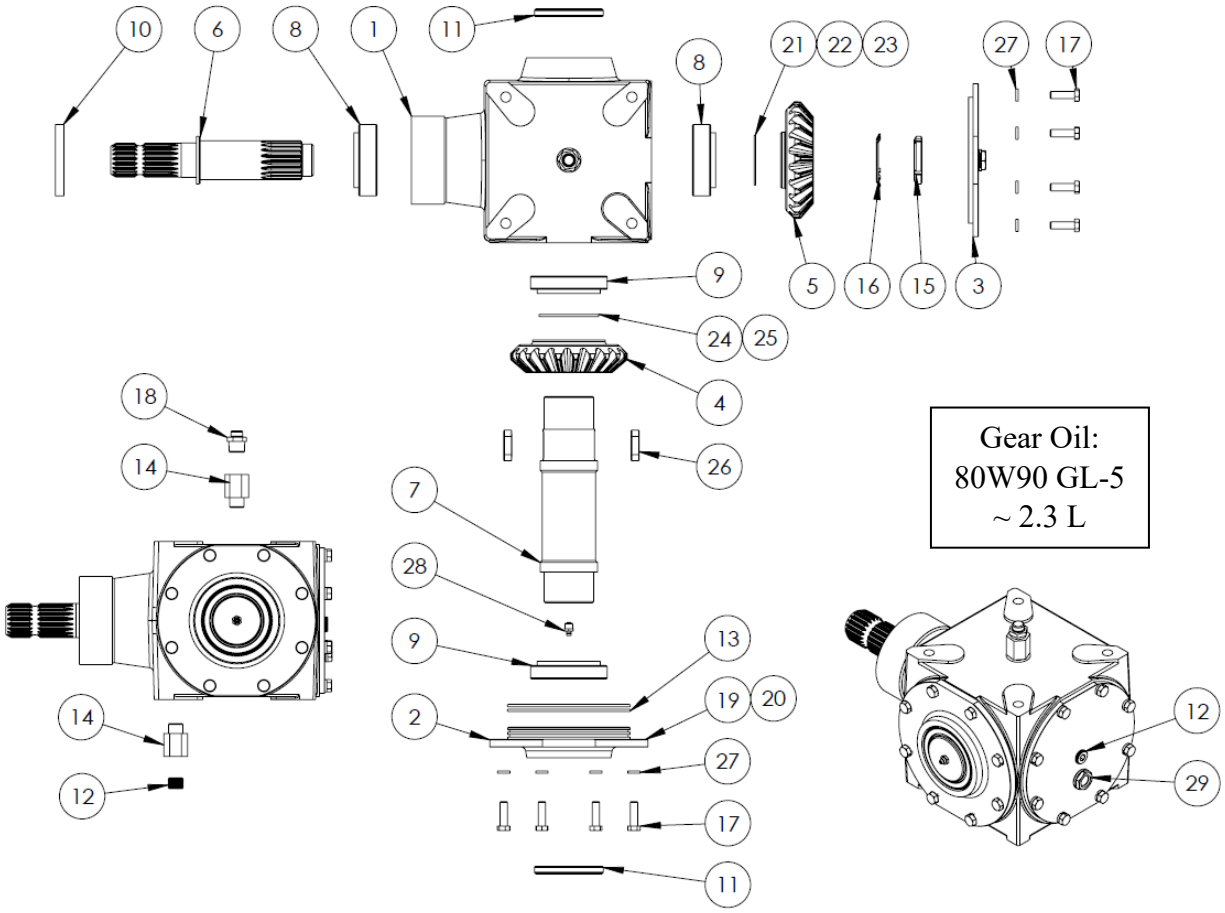
Rotor



	Description	ID #	QTY
1	X-Rotor Weldment	34983	1
2	Rotor Flail *Always replace in pairs*	35732	28
3	Rotor Flail Bushing	35730	28
4	Flail Bolt, 3/4 x 4-1/8” Carriage	36154	28
5	Nut, 3/4” Stover Lock	11823	28
6	Rotor Bearing Plate	33718	1
7	Complete Bearing Assembly *Includes 8,9*	10221	1
8	Bearing Lock Collar	NSS	1

	Description	ID #	QTY
9	Grease Zerk, 1/8” NPT	10270	
10	Bolt, 5/8”-18 x 1-3/4”	10274	4
11	Nut, 5/8”-18 Stover Flange	15398	4
12	Bolt, 1/2 x 1”	10824	8
13	Nut, 1/2” Stover Lock	20154	8
14	Rotor Shaft Cap	17380	1
15	Rotor Twine Guard	22413	1
16	Bolt, 3/8 x 1”	13806	4
17	Nut, 3/8” Serrated Flange	10271	4

Rotor Gearbox # 35799

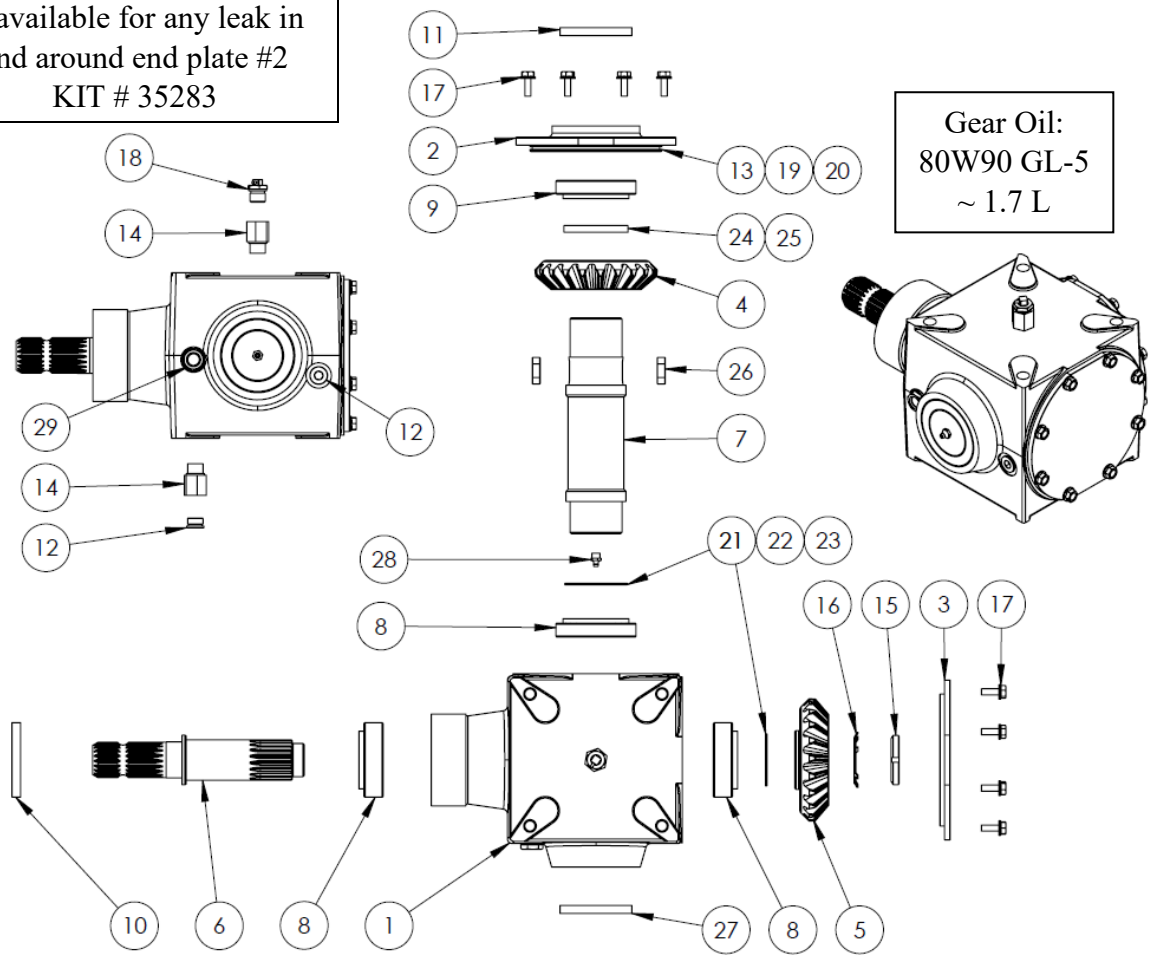


	Description	ID #	QTY		Description	ID #	QTY
-	Rotor Gearbox	36447	1	15	Locknut (M42x1.5)	34887	1
1	Housing	NSS	1	16	Retainer	34889	1
2	End Cap	-	1	17	3/8 x 1-1/4” Bolt	10253	16
3	Cover Plate	-	1	18	Relief Plug (1/2”-14 NPT)	34883	1
4	Gear	-	1	19	Gasket	-	A/R
5	Gear	-	1	20	Gasket	-	A/R
6	Shaft	-	1	21	Shim (51x65x1.6)	34890	1
7	Shaft	-	1	22	Shim (51x61x0.1)	34891	A/R
8	Bearing (3780/3720)	34885	2	23	Shim (51x61x0.2)	34892	A/R
9	Bearing (32013)	34886	2	24	Shim (65.2x78x6.5)	34893	1
10	Seal (45x93.26x11)	34244	1	25	Shim (65.2x78x0.1)	34894	A/R
11	Seal (65x90x10)	34882	2	26	Key	-	2
12	Plug (1/2”-14 NPT)	14192	2	27	Washer, 3/8” Lock	13971	16
13	O-Ring (153.8x3.1)	34895	1	28	Grease Zerk, M10	10592	1
14	Bushing (1/2”-14 NPT)	34246	2	29	Oil Level Sight Glass	33672	1

* An end plate upgrade kit is available for any leak in and around end plate #2
KIT # 35283

Rotor Gearbox # 33011

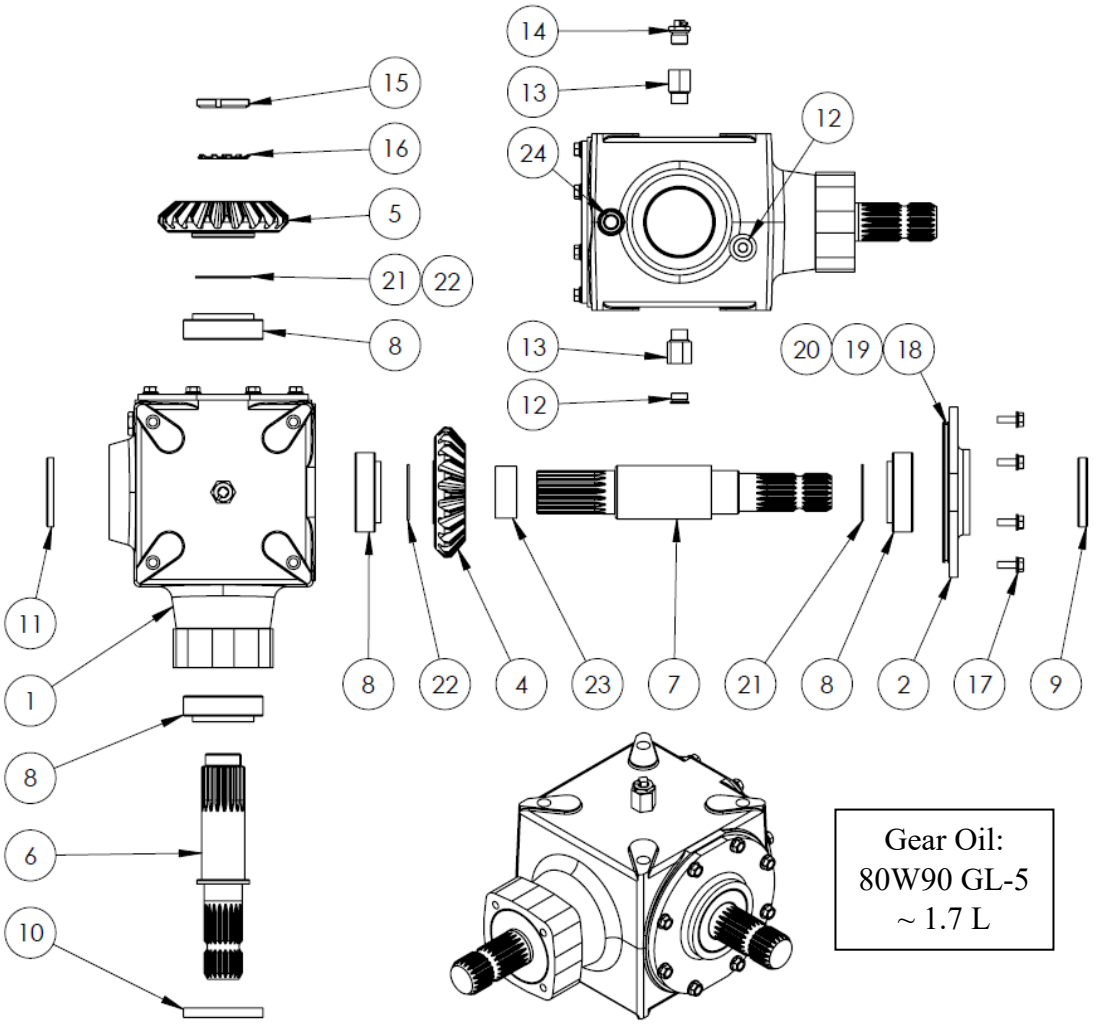
Gear Oil:
80W90 GL-5
~ 1.7 L



	Description	ID #	QTY
-	Rotor Gearbox	36447	1
1	Housing	NSS	1
2	End Cap	*35283	1
3	Cover Plate	NSS	1
4	Gear	-	1
5	Gear	-	1
6	Shaft	-	1
7	Shaft	-	1
8	Bearing (3780/3720)	34885	3
9	Bearing (32013)	34886	1
10	Seal (45x93.26x11)	34244	1
11	Seal (65x90x10)	34882	1
12	Plug (1/2”-14 NPT)	14192	2
13	O-Ring (153.8x3.1)	*34895	1
14	Bushing (1/2”-14 NPT)	34246	2

	Description	ID #	QTY
15	Locknut (M42x1.5)	34887	1
16	Retainer	34889	1
17	3/8 x 1” Flange Bolt	-	16
18	Relief Plug (1/2”-14 NPT)	34883	1
19	Gasket	*35283	A/R
20	Gasket	*35283	A/R
21	Shim (51x65x1.6)	34890	2
22	Shim (51x61x0.1)	34891	A/R
23	Shim (51x61x0.2)	34892	A/R
24	Shim (65.2x80x6.5)	34893	1
25	Shim (65.2x78x0.1)	*35283	A/R
26	Key	-	2
27	Seal (50.8x81.13x11)	34844	1
28	Grease Zerk, M10	10592	1
29	Oil Level Sight Glass	33672	1

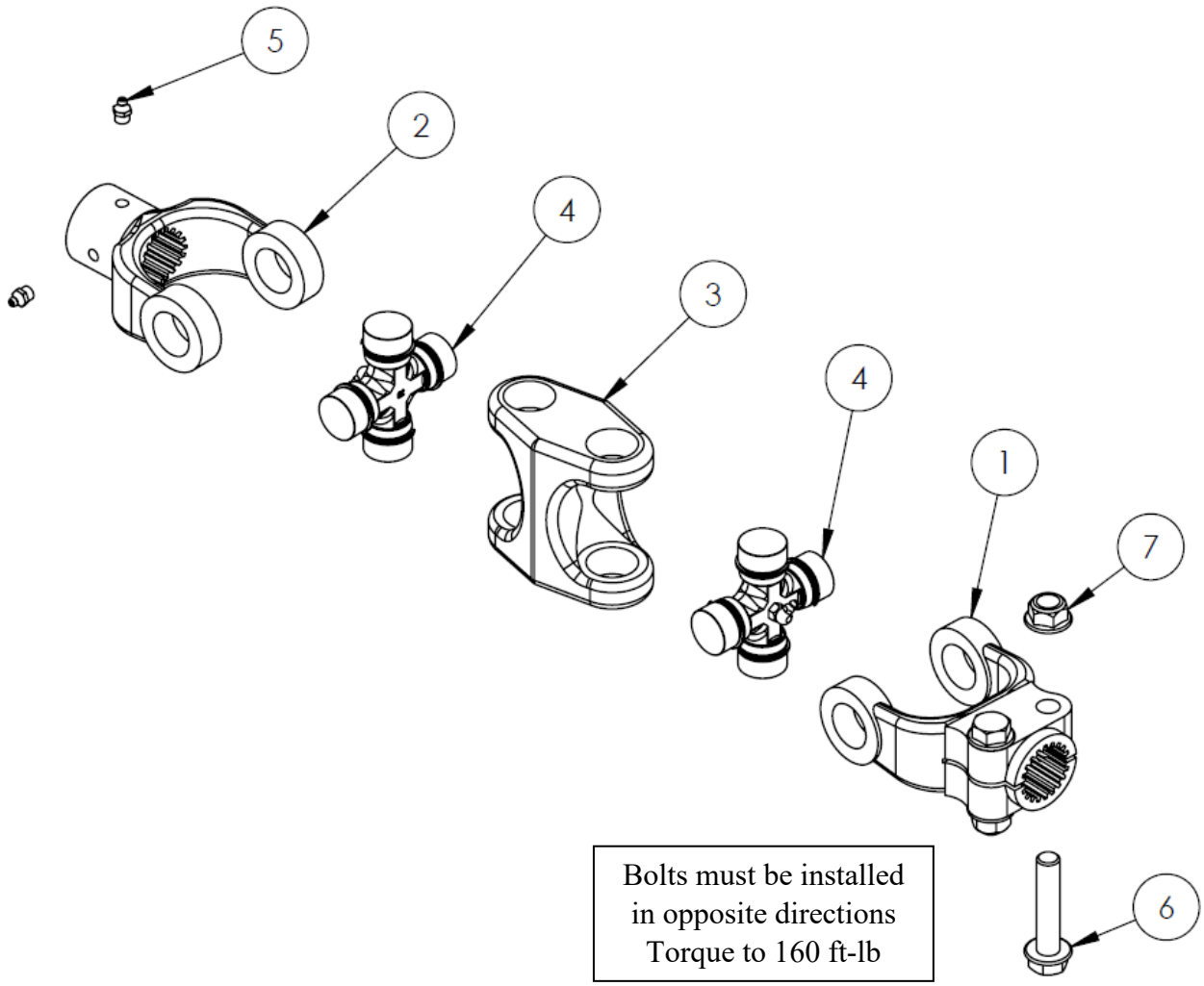
Input Gearbox # 33010



	Description	ID #	QTY
-	Input Gearbox	33010	1
1	Housing	-	1
2	End Cap	-	1
3	Cover Plate	-	1
4	Gear	-	1
5	Gear	-	1
6	Shaft	-	1
7	Shaft	-	1
8	Bearing (3780/3720)	34885	4
9	Seal (44.45x81.13x8)	34243	1
10	Seal (45x93.26x11)	34244	1
11	Seal (81.13x11)	34245	1
12	Plug (1/2”-14 NPT)	14192	2

	Description	ID #	QTY
13	Bushing (1/2”-14 NPT)	34246	2
14	Relief Plug (1/2”-14 NPT)	34883	1
15	Locknut (M42x1.5)	34887	1
16	Retainer	34889	1
17	3/8 x 1” Flange Bolt		16
18	O-Ring (153.8x3.1)	34895	1
19	Gasket	34247	A/R
20	Gasket	34888	A/R
21	Shim (51x65x1.6)	34890	2
22	Shim (51x61x0.1)	34891	A/R
23	Bushing (51x60x25)	-	1
24	Oil Level Sight Glass	33672	1

Gearbox Coupler Shaft

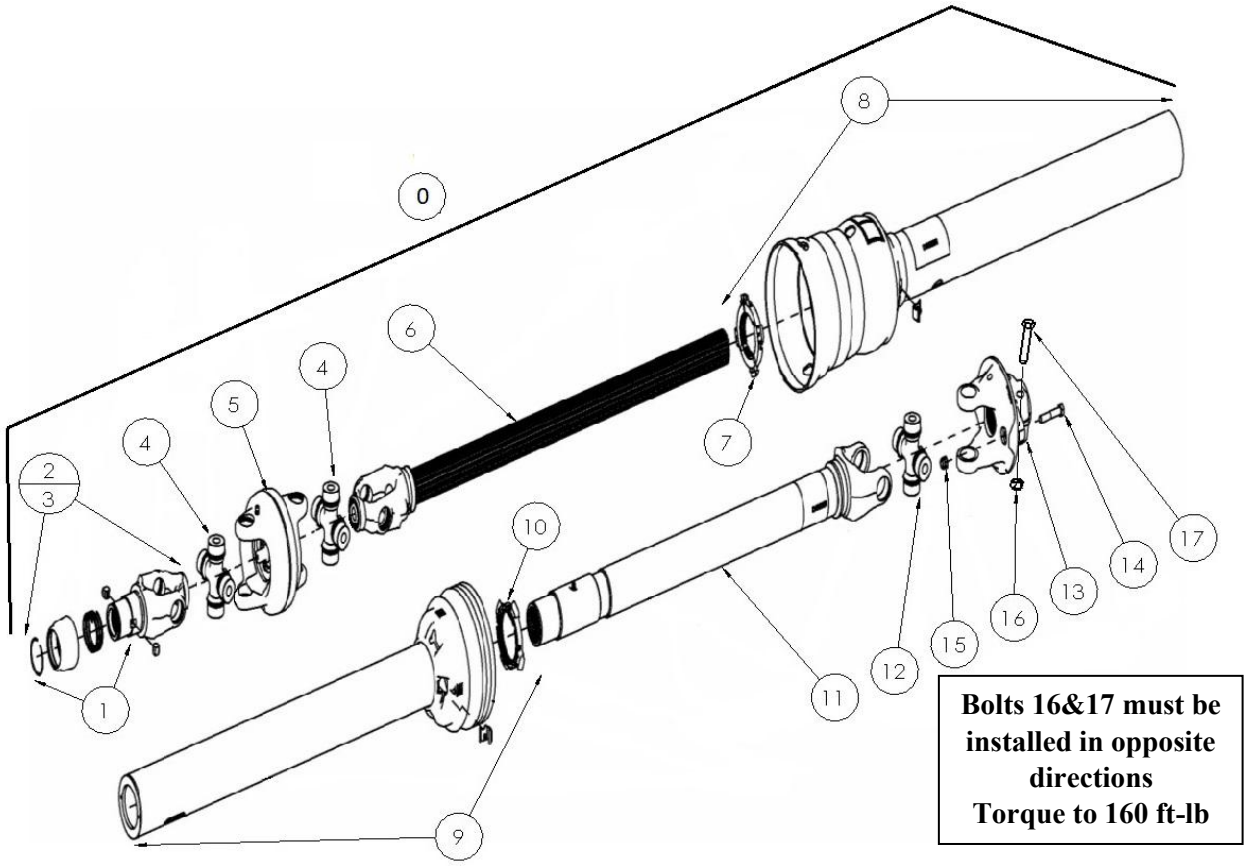


	Description	ID #	QTY		Description	ID #	QTY
-	Gearbox Coupler Shaft	32803	1	4	Cross & Bearing Kit	33840	2
1	Clamp-on Yoke	NSS	1	5	Grease Zerk, 1/8” NPT	10270	4
2	Greaseable Yoke	NSS	1	6	Bolt, 5/8 x 3” Flange Head	33841	2
3	Double Center Yoke	NSS	1	7	Nut, 5/8” Stover Flange	33842	2

NOTE: When replacing this shaft, only remove the lower gearbox. The top gearbox must be aligned if it is removed.

After assembly, rotate the rotor fully by hand to make sure that the crosses do not bottom out at any point. If this occurs, adjust the lower gearbox position to ensure the entire coupler shaft rotates freely.

PTO Shaft

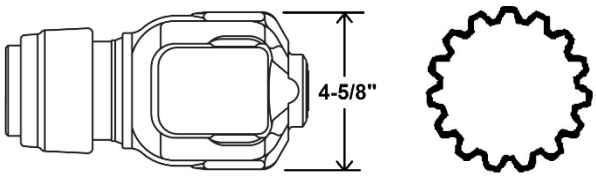


Bolts 16&17 must be installed in opposite directions
Torque to 160 ft-lb

	Description	ID #	QTY
-	Complete PTO Shaft Assembly (1-3/8”-21 Spline)	20546	1
0a	Tractor Half PTO Assembly (1-3/8”-21 Spline)	32505	1
0b	Tractor Half PTO Assembly (1-3/4”-20 Spline)	32506	
1a	Safety Lock Repair Kit (1-3/8”-21 Spline)	17567	1
1b	Safety Lock Repair Kit (1-3/4”-20 Spline)	24981	
2	WWCV Auto-Lock Yoke Assy. (1-3/8”-21 Spline	20549	1
3	WWCV Auto-Lock Yoke Assy. (1-3/4”-20 Spline	20556	
4	CV Cross & Bearing Kit	20550	2
5	CV Center Housing	20551	1
6	Yoke & Shaft Assembly Tractor Side	20552	1

	Description	ID #	QTY
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 Assy Implement Side	17584	1
12	U-joint Cross & Bearing Kit	17573	1
13	Shear Assembly *Does not come parts 14 - 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.



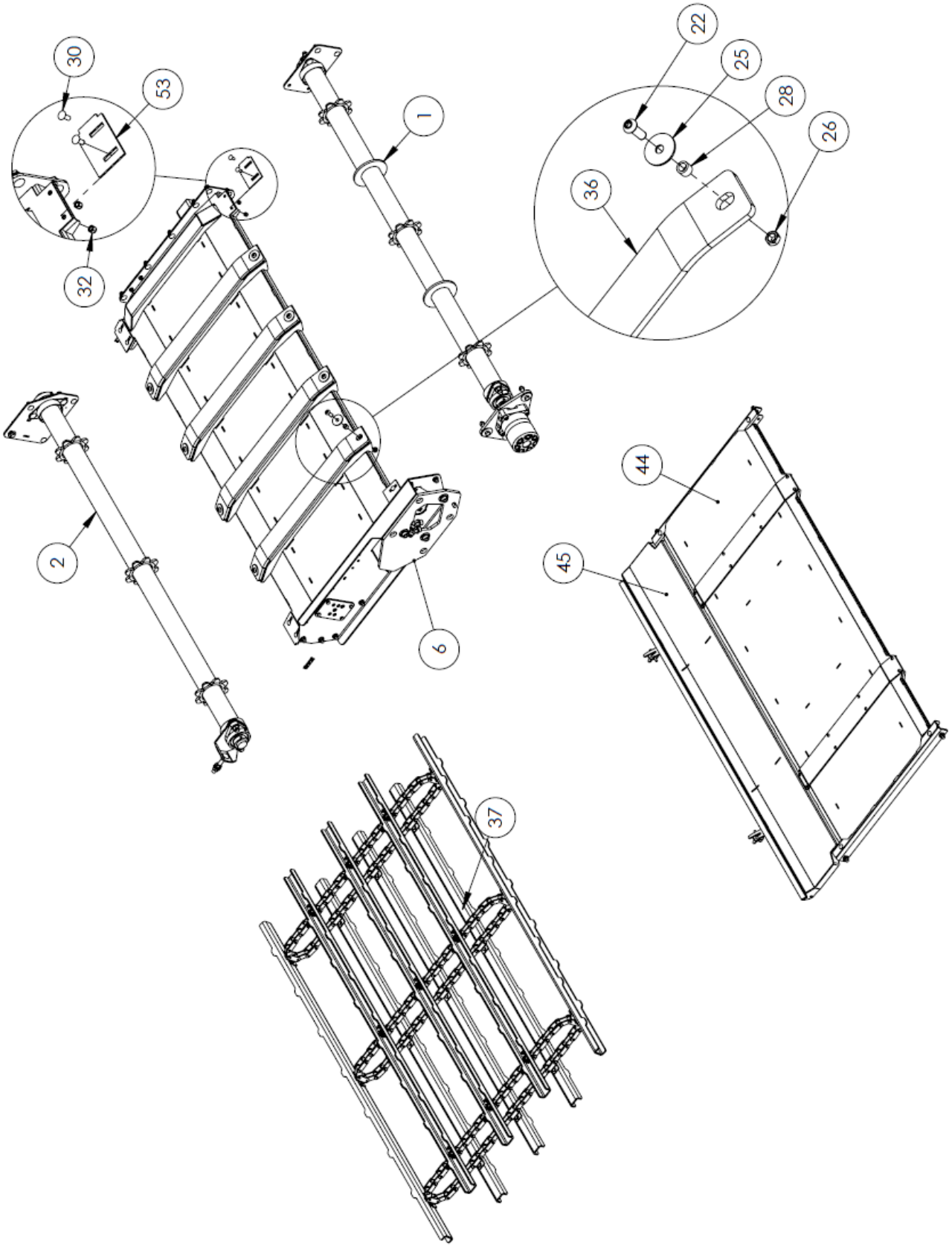
Chain Table

	Description	ID #	QTY
1	Chain Sprocket Drive Shaft	35756	1
2	Chain Sprocket Idler Shaft	35758	1
3	Drive Shaft Rear Support Plate *S/N BK7791 & below*	36623 33760	1
4	Idler Shaft Rear Support Plate	33711	1
5	Idler Shaft Adjuster	33710	2
6	Chain Table Frame	34329	1
7	Twine Guard Plate	36351	-
8	Twine Guard	33743	4
9	Motor Adaptor Plate	34304	1
10	Chain Shaft Bearing *Comes with 11 & 12*	32969	4
11	Bearing Lock Collar	10040	4
12	Bearing Grease Zerk	33901	4
13	Bolt, 5/8 x 4” Carriage	33007	2
14	Bolt, 5/8 x 2-1/4” Carriage	20229	8
15	Washer, 5/8” Flat	13975	8
16	Nut, 5/8” Nylon Lock	10364	8
17	Nut, 5/8” Serrated Flange	11614	2
18	Nut, 5/8” Smooth Flange	33009	4
19	Bolt, 1/2 x 2-1/2”	10804	3
20	Bolt, 1/2 x 2-1/2” Socket Head	16863	4
21	Bolt, 1/2 x 1-1/2”	10174	1
22	Bolt, 1/2 x 1-1/2” Button Head	33303	8
23	Bolt, 1/2 x 1-1/4” Carriage	11819	32
24	Washer, 1/2” Flat	11668	1
25	Washer, 1/2” Fender	10238	11
26	Nut, 1/2” Stover Lock	20154	15
27	Nut, 1/2” Serrated Flange	10273	32
28	Bushing, 1/2” ID x 9/16”	33590	8
29	Bolt, 3/8 x 1”	13806	10

	Description	ID #	QTY
30	Bolt, 3/8 x 1” Carriage	15718	12
31	Washer, 3/8” Flat	11667	2
32	Nut, 3/8” Nylon Lock	10806	14
33	Lynch Pin, 5/16 x 2”	23077	2
34	Chain Drive Motor *Seal Kit* *Apply anti-seize to shaft*	28702 25891	1
35	Grommet, 1” ID x 3/32”	33000	3
36	Chain Slat Plastic	33875	4
37	Chain & Slat Assembly *See breakdown page 63*	33832	1
38	Chain Slat	33755	8
39	Chain with Attachments *Includes 40*	32936	3
40	Chain Connector Link *Cotter Pin*	23093 21210	3 6
41	Chain Half Link	33900	A/R
42	Bolt, 5/16 x 3/4”	20903	48
43	Nut, 5/16” Nylon Lock	11815	48
44	Chain Access Panel *Includes 51,53,54*	33703	1
45	Chain Table Cleanout Door *Includes 52*	33712	1
46	Chain Access Panel Support Rail	33720	2
47	Chain Adjustment Indicator	33510	2
48	Pop Rivet, 1/8”	35148	4
49	Pop Rivet Backing Washer	35149	4
50	Hydraulic Fitting, 10MB-8MJ45	23844	2
51	Chain Access Panel Wear Strip	34278	2
52	Cleanout Door Hinge Bushing	34292	2
53	Pop Rivet, 3/16 x 3/8”	20963	12
54	Pop Rivet, 3/16 x 1/2”	21227	4
53	Twine Scraper *S/N BK7792 & up*	36351	4

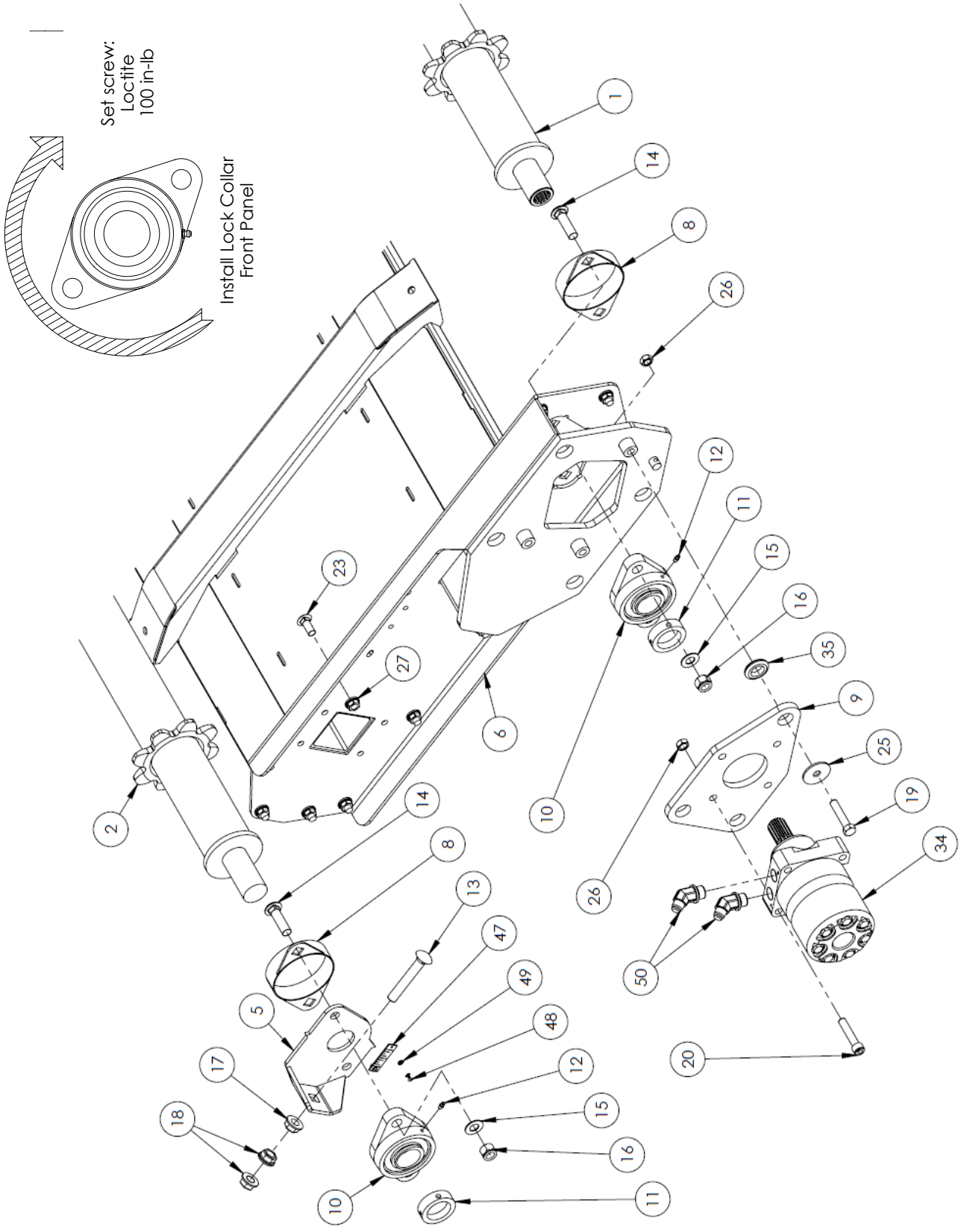
Chain Table Overview

See reference table page 58



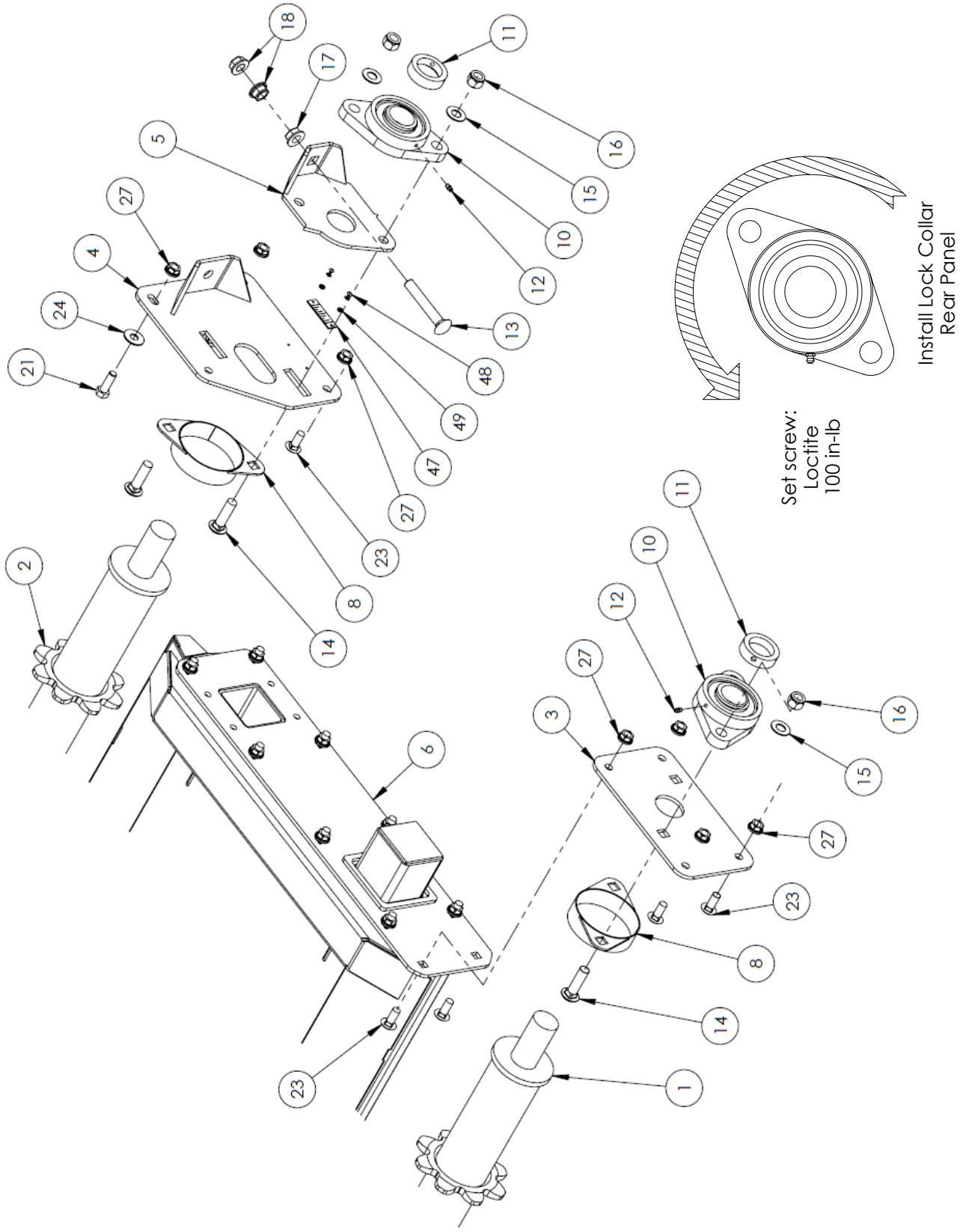
Chain & Slat Front Panel

See reference table page 58



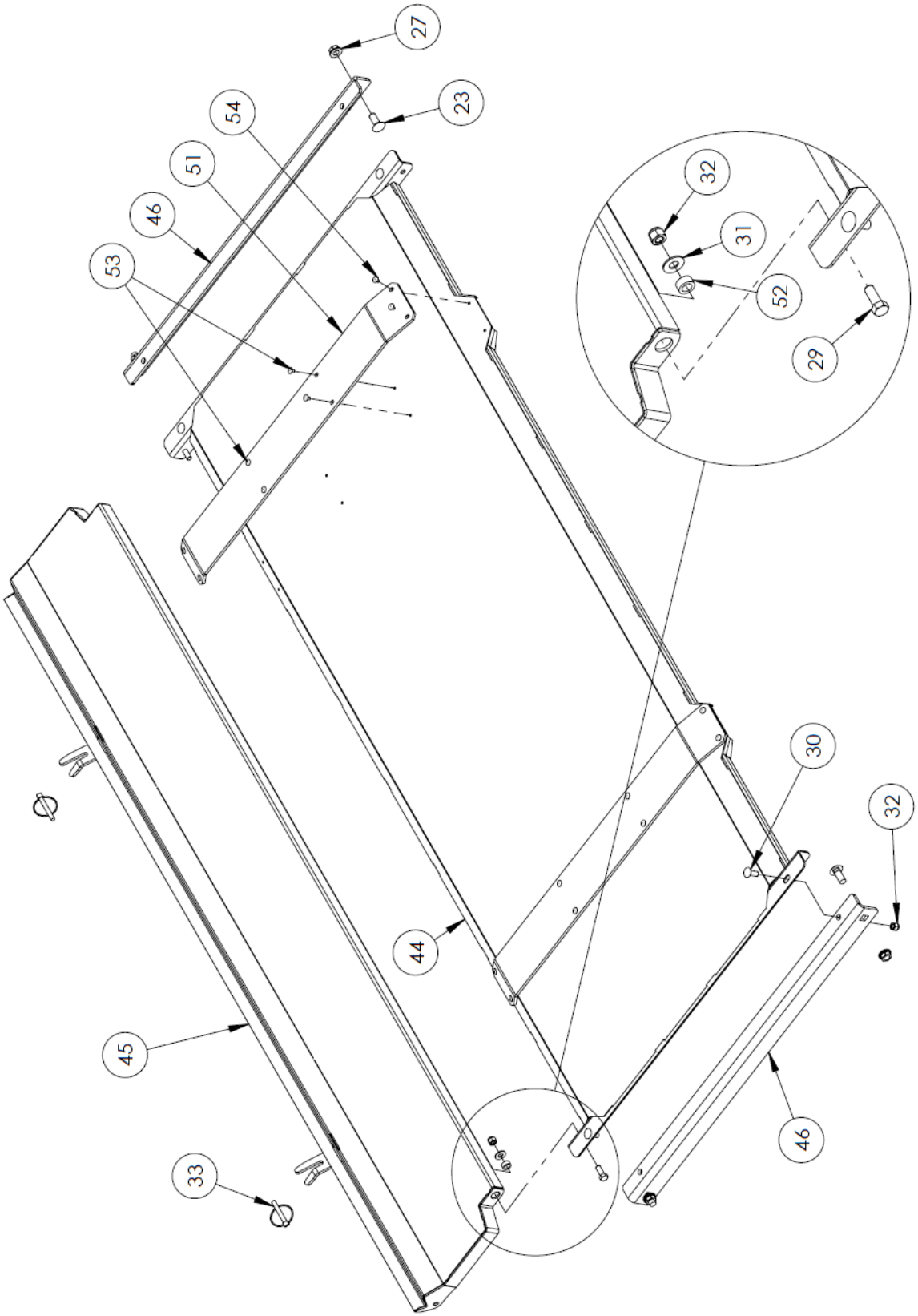
Chain & Slat Rear Panel

See reference table page 58



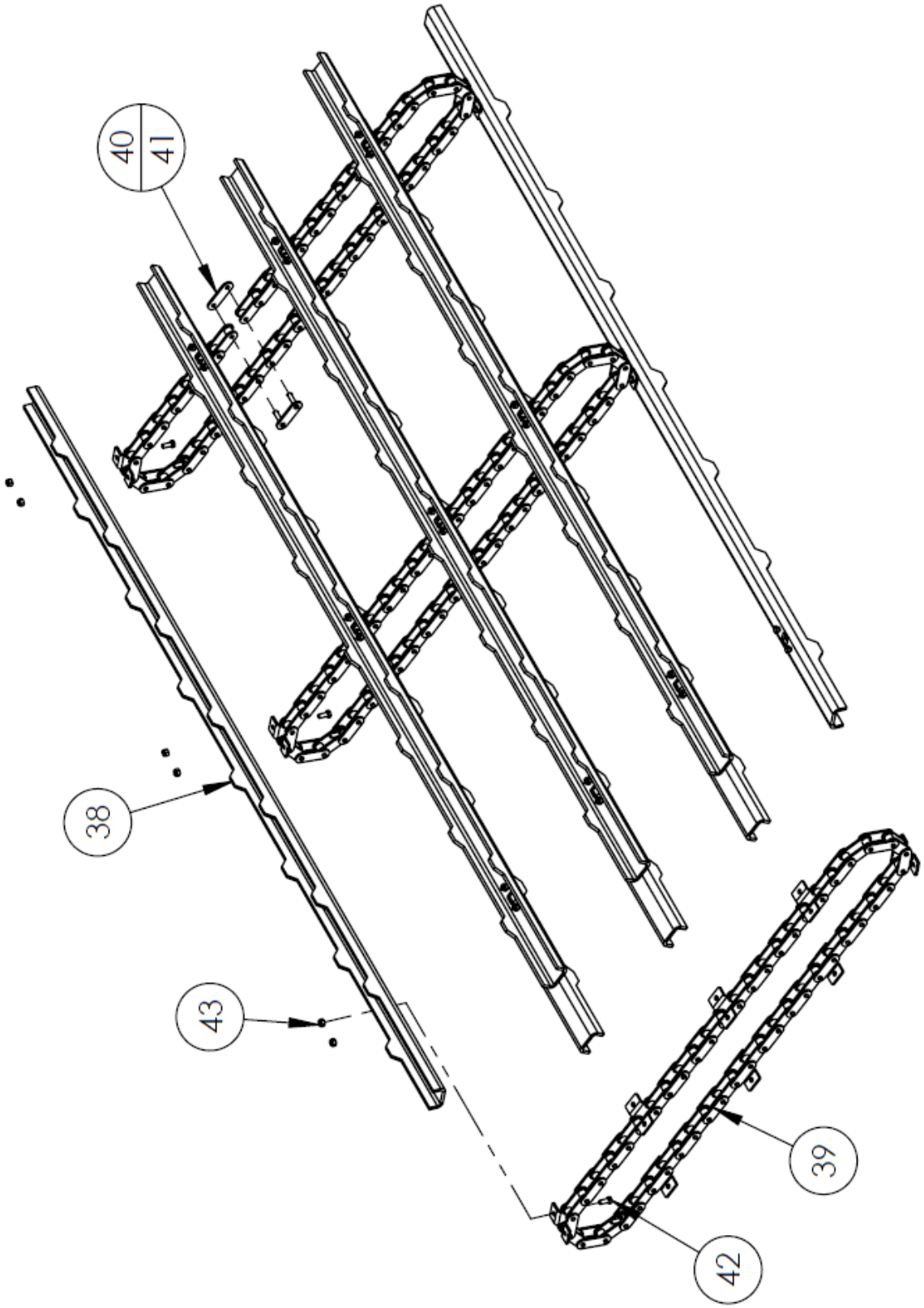
Chain & Slat Access Panel

See reference table page 58

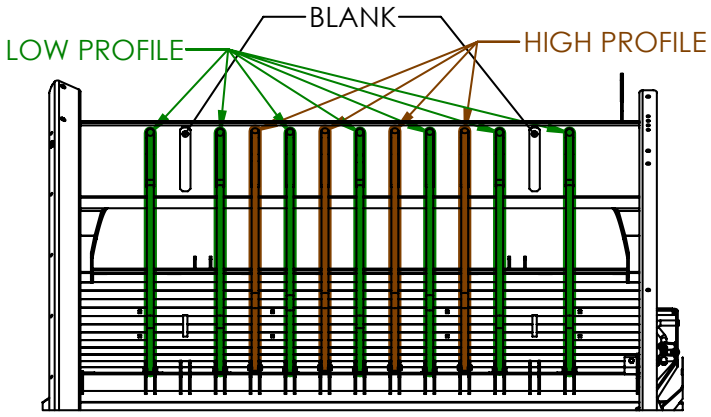


Chain & Slat Assembly # 33832

See reference table page 58



Hoop Grates



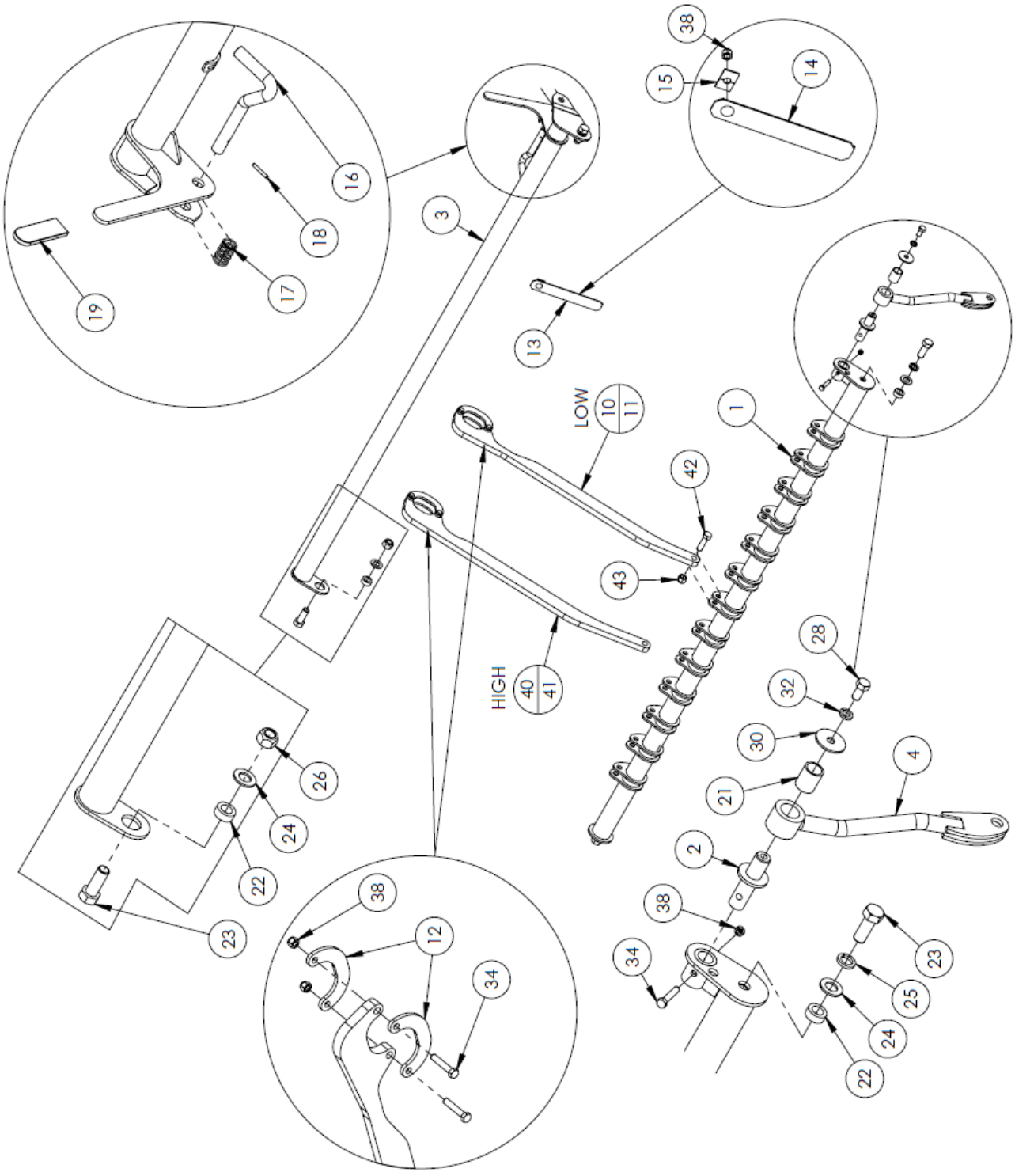
FACTORY HOOP LAYOUT

	Description	ID #	QTY
1	Lower Hoop Adjustment Pipe	35752	1
2	Lower Hoop Rocker Shaft	33750	1
3	Top Hoop Adjustment Pipe	33748	1
4	Hoop Handle Linkage	33706	1
5	Hoop Handle Pivot	33704	1
6	Lower Deflector Handle	33716	1
7	Lower Hoop Handle	33705	1
8	Hoop Handle Spring Support	33693	2
9	Lower Deflector Cam *See breakdown page 68*	33707	1
10	Low-Profile Hoop with Retainer *Includes 11, 12, 34, 38*	35749	7
11	Low-Profile Hoop	35744	7
12	Hoop Clamp	35748	22
13	Spare Hoop Plug *Includes 14, 15, 38*	35248	2
14	Spare Hoop Plug	NSS	2
15	Spare Hoop Plug Clip	NSS	2
16	Hoop Handle S-Pin	22187	3
17	Compression Spring	34465	3
18	Roll Pin, 3/16 x 1-1/4”	10302	3
19	Rubber Handle	10297	3
20	Bushing, 1-1/4” ID x 1-3/8”	33234	2
21	Bushing, 1” ID x 1-1/2”	33003	1

	Description	ID #	QTY
22	Pivot Bushing, 3/4” ID x 1/2”	33756	4
23	Bolt, 3/4 x 2”	13800	4
24	Washer, 3/4” Flat	13717	4
25	Washer, 3/4” Lock	13795	2
26	Nut, 3/4” Stover Lock	11823	2
27	Bolt, 1/2 x 1-1/2”	10174	1
28	Bolt, 1/2 x 1”	10824	3
29	Flanged Bushing, 1/2” ID x 5/8”	33002	1
30	Washer, 1/2” Fender	10238	3
31	Washer, 1/2” Flat	11668	1
32	Washer, 1/2” Lock	14447	3
33	Nut, 1/2” Stover Lock	20154	1
34	Bolt, 3/8 x 2”	10279	23
35	Bolt, 3/8 x 1-3/4”	16040	-
36	Bolt, 3/8 x 1”	13806	4
37	Bolt, 3/8 x 1” Carriage	15718	2
38	Nut, 3/8” Nylon Lock	10806	25
39	Nut, 3/8” Serrated Flange	10271	6
40	High-Profile Hoop with Retainer *Includes 41, 12, 34, 38*	35750	4
41	High-Profile Hoop	35746	4
42	Bolt, 5/8 x 2-1/4”	20910	11
43	Nut, 5/8” Nylon Lock	10364	11

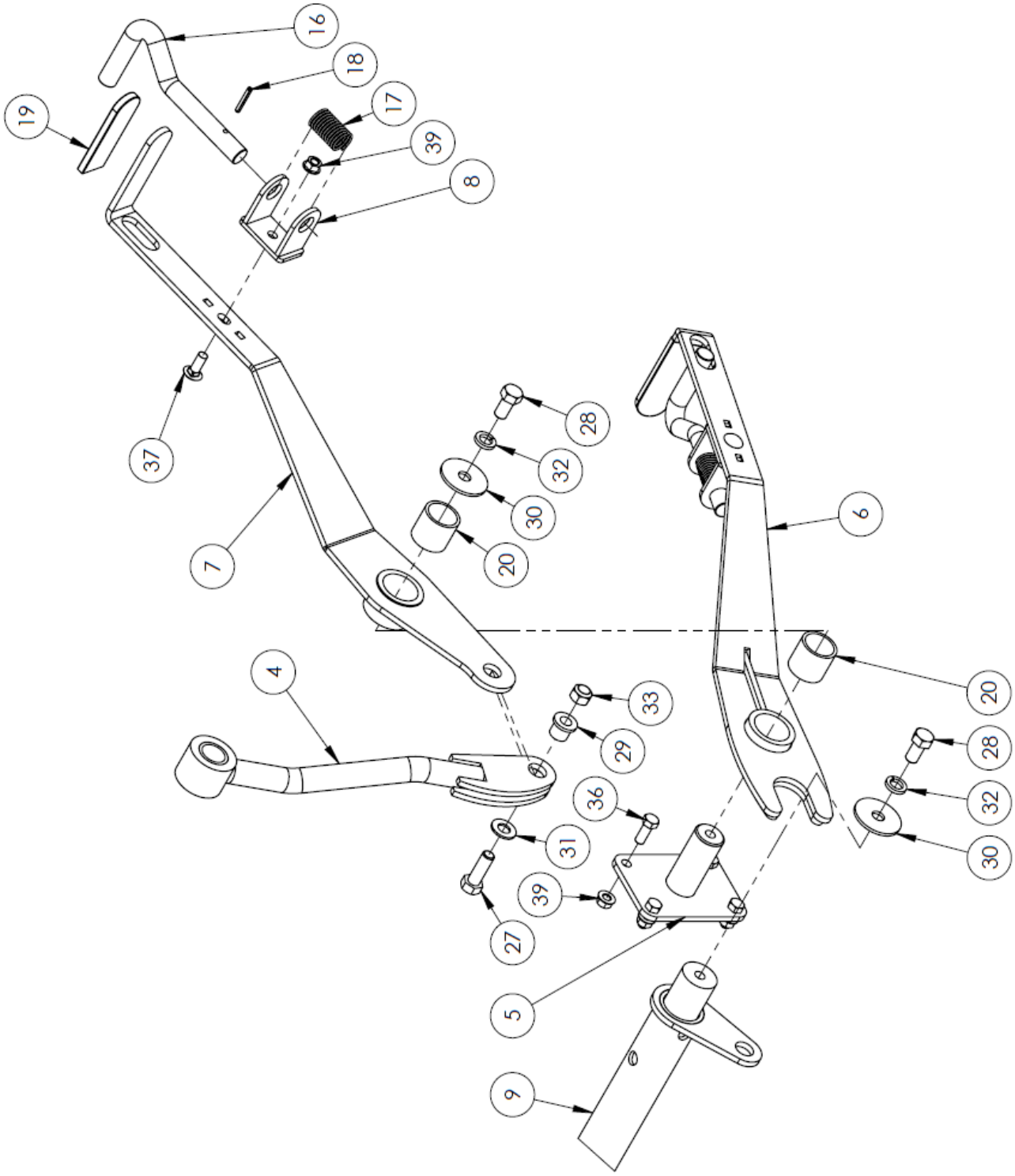
Hoop Grates

See reference table page 64

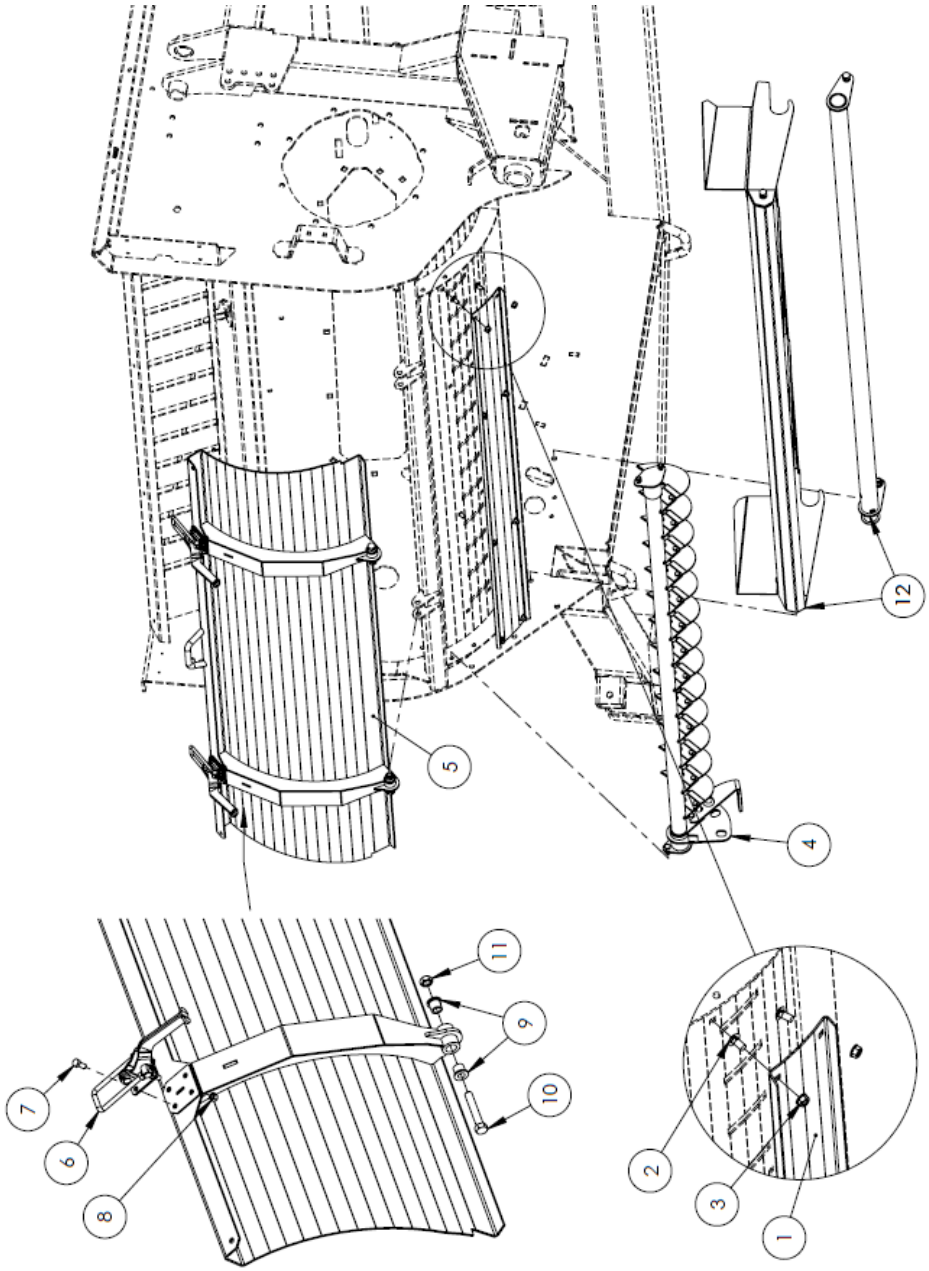


Adjustment Handles

See reference table page 64



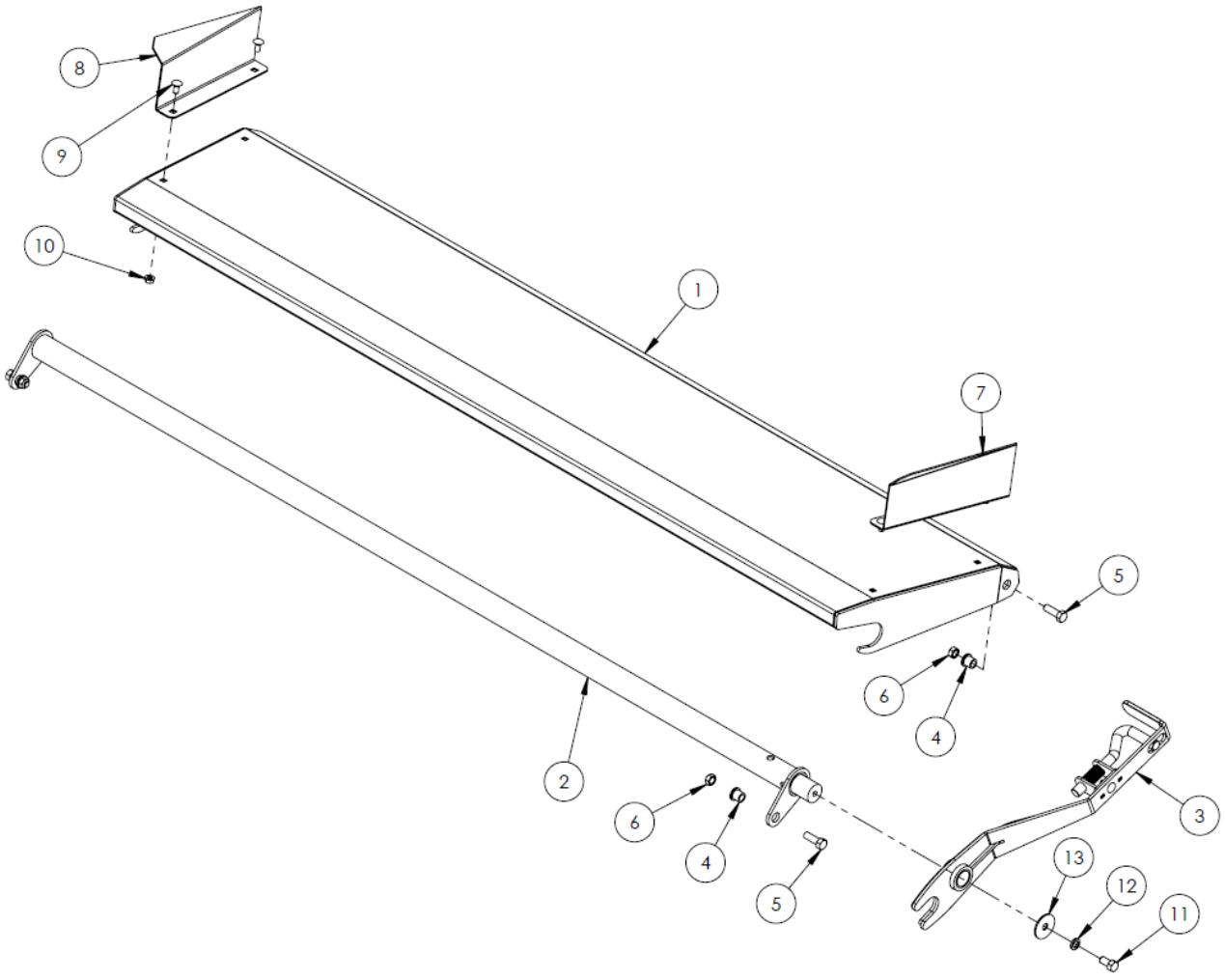
Lower Tub Components



	Description	ID #	QTY
1	Fine Chop Cover Plate	33722	1
2	Bolt, 3/8 x 3/4” Carriage	14072	8
3	Nut, 3/8” Serrated Flange	10271	8
4	Fine Chop Option *See breakdown page 69*	-	-
5	Rotor Access Door	35195	1
6	Toggle Clamp	35136	2

	Description	ID #	QTY
7	Bolt, 5/16 x 3/4”	20903	8
8	Nut, 5/16” Nylon Lock	11815	8
9	Flanged Bushing, 1/2” ID x 5/8”	33002	4
10	Bolt, 1/2 x 3”	10321	2
11	Nut, 1/2” Stover Lock	20154	2
12	Lower Deflector *See breakdown page 68*	-	-

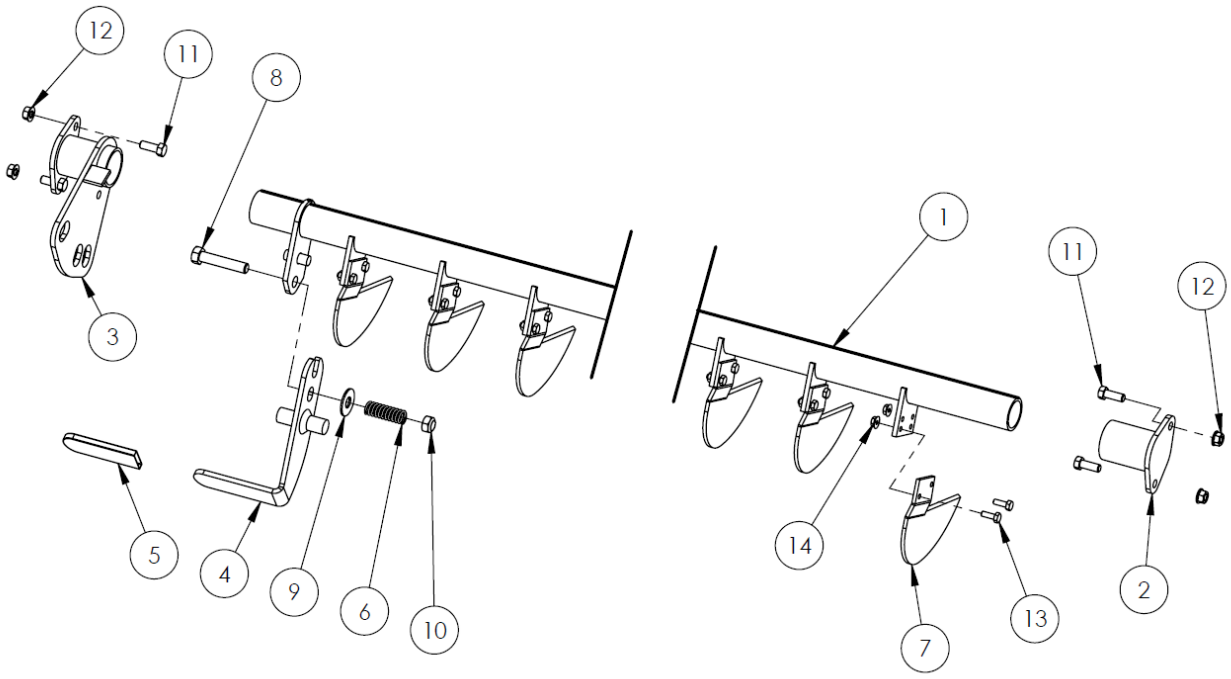
Lower Deflector



	Description	ID #	QTY
1	Lower Deflector	33717	1
2	Lower Deflector Cam	33707	1
3	Lower Deflector Handle *See breakdown page 66*	-	-
4	Flanged Bushing, 1/2” ID x 5/8”	33002	4
5	Bolt, 1/2 x 1-1/2”	10174	4
6	Nut, 1/2” Stover Lock	20154	4

	Description	ID #	QTY
7	Lower Deflector Vein Front	33731	1
8	Lower Deflector Vein Rear	33641	1
9	Bolt, 3/8 x 3/4” Carriage	14072	4
10	Nut, 3/8” Serrated Flange	10271	4
11	Bolt, 1/2 x 1”	10824	1
12	Washer, 1/2” Lock	14447	1
13	Washer, 1/2” Fender	10238	1

Fine Chop Option



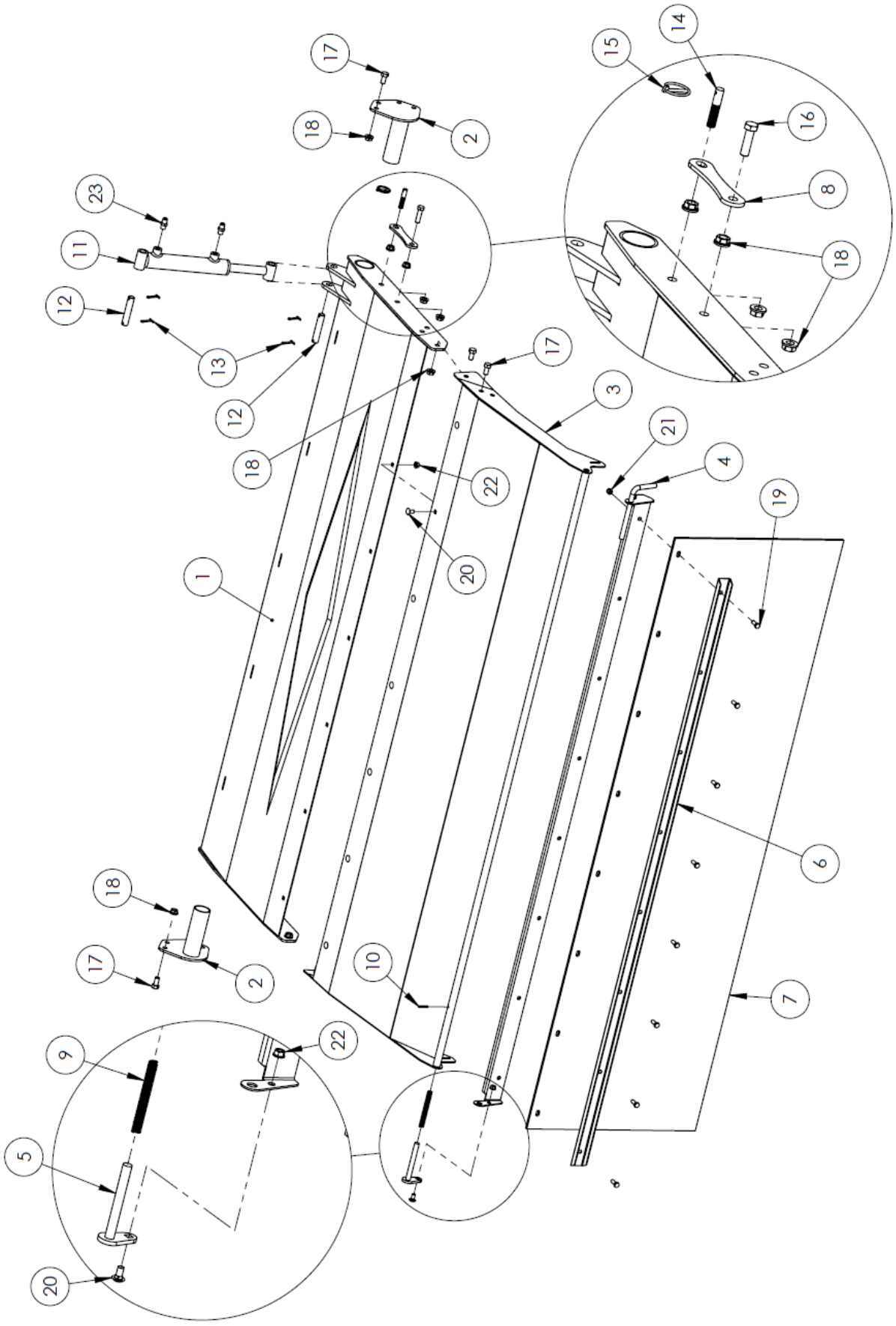
	Description	ID #	QTY
	Complete Kit	**33773**	
1	Fine Chop Shaft	33735	1
2	Fine Chop Pivot Rear	33741	1
3	Fine Chop Pivot Front	33738	1
4	Fine Chop Handle	33740	1
5	Rubber Handle Cover	10297	1
6	Spring	21713	1
7	Fine Chop Knife	10404	13

	Description	ID #	QTY
8	Bolt, 1/2 x 2-1/2”	10804	1
9	Washer, 1/2” Flat	11668	1
10	Nut, 1/2” Stover Lock	20154	1
11	Bolt, 3/8 x 1”	13806	4
12	Nut, 3/8” Nylon Lock	10806	4
13	Bolt, 1/4 x 3/4”	11809	26
14	Nut, 1/4” Nylon Lock	11664	26

Deflector

	Description	ID #	QTY
1	Inner Deflector	33708	1
2	Deflector Pivot	33715	2
3	Outer Deflector	31754	1
4	Rubber Flipper	24463	1
5	Rubber Flipper Pin	24464	1
6	Deflector Rubber	10426	1
7	Deflector Rubber Support	22423	1
8	Deflector Lock Bar	22422	1
9	Spring	24461	1
10	Roll Pin, 3/16 x 1-1/4”	10302	1
11	Hydraulic Cylinder *Seal kit*	21711 23738	1

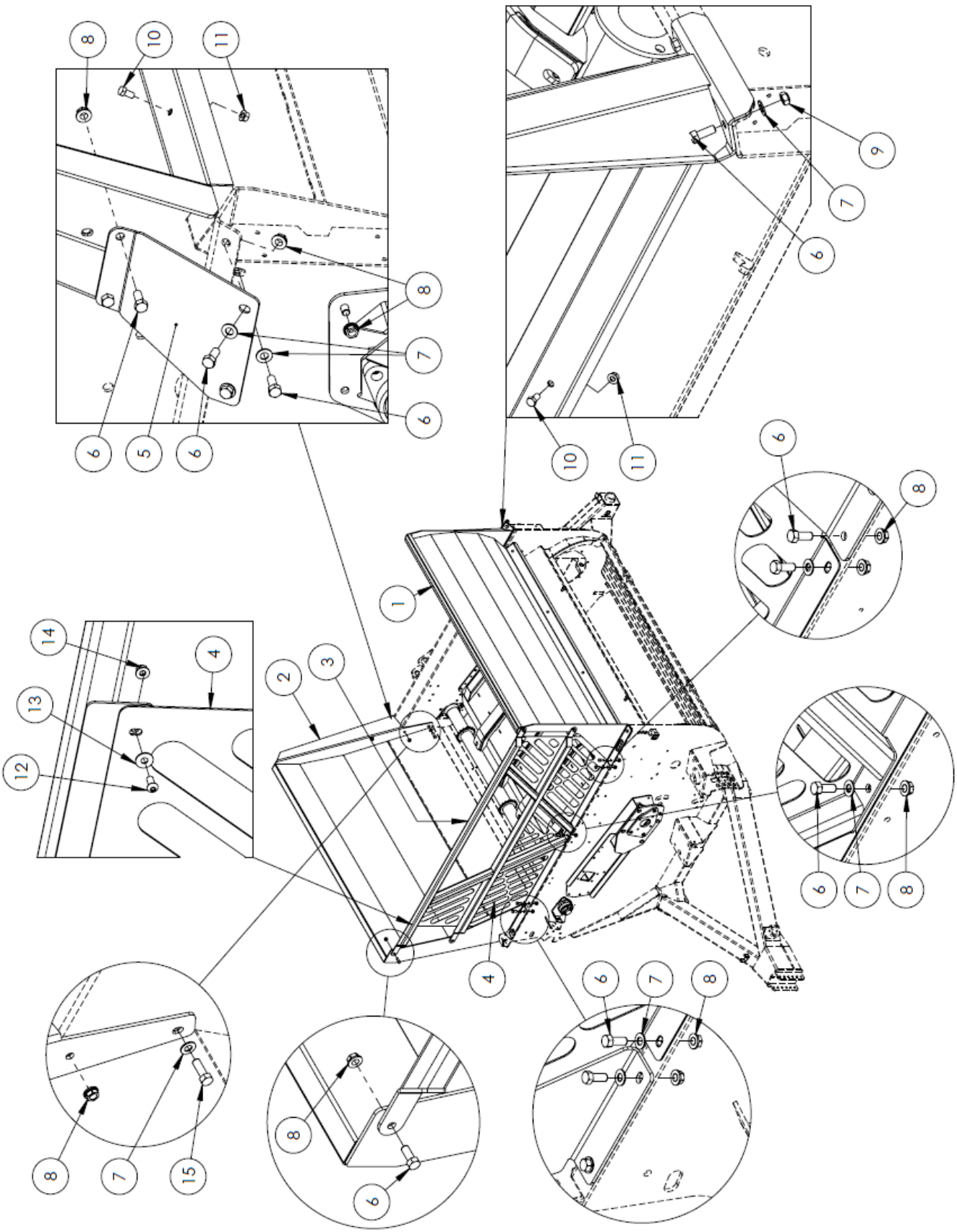
	Description	ID #	QTY
12	Cylinder Pin	22007	2
13	Cotter Pin, 3/16 x 1-1/4”	11669	4
14	Threaded Pin, 1/2 x 2-1/2”	13231	1
15	Lynch Pin	13233	1
16	Bolt, 1/2 x 2”	10322	1
17	Bolt, 1/2 x 1”	10824	12
18	Nut, 1/2” Serrated Flange	10273	16
19	Bolt, 3/8 x 1”	13806	8
20	Bolt, 3/8 x 3/4” Carriage	14072	8
21	Nut, 3/8” Nylon Lock	10806	8
22	Nut, 3/8” Serrated Flange	10271	8
23	Hydraulic Fitting, 6MB-6MJ Orifice	17436	2


17
18
2
14
15
16
8
18
23
11
12
13
12
18
17
3
21
4
19
22
20
1
6
18
17
2
10
7
22
9
5
20

Upper Tub Components

	Description	ID #	QTY
1	Rotor-Side Wing	33701	1
2	Discharge-Side Wing	34327	1
3	Front Rack Frame & Grating *Includes 4, 12, 13, 14*	33752	1
4	Front Rack Grating	NSS	1
5	Rear Wing Gusset	34301	1
6	Bolt, 1/2 x 1-1/4”	10240	18
7	Washer, 1/2” Flat	11668	11

	Description	ID #	QTY
8	Nut, 1/2” Serrated Flange	10273	17
9	Nut, 1/2” Stover Lock	20154	2
10	Bolt, 3/8 x 3/4”	11816	8
11	Nut, 3/8” Serrated Flange	10271	8
12	Bolt, 5/16 x 3/4” Button Head	32513	11
13	Washer, 5/16” Flat	12496	11
14	Nut, 5/16” Nylon Lock	11815	11
15	Bolt, 1/2 x 1-1/2”	10174	1

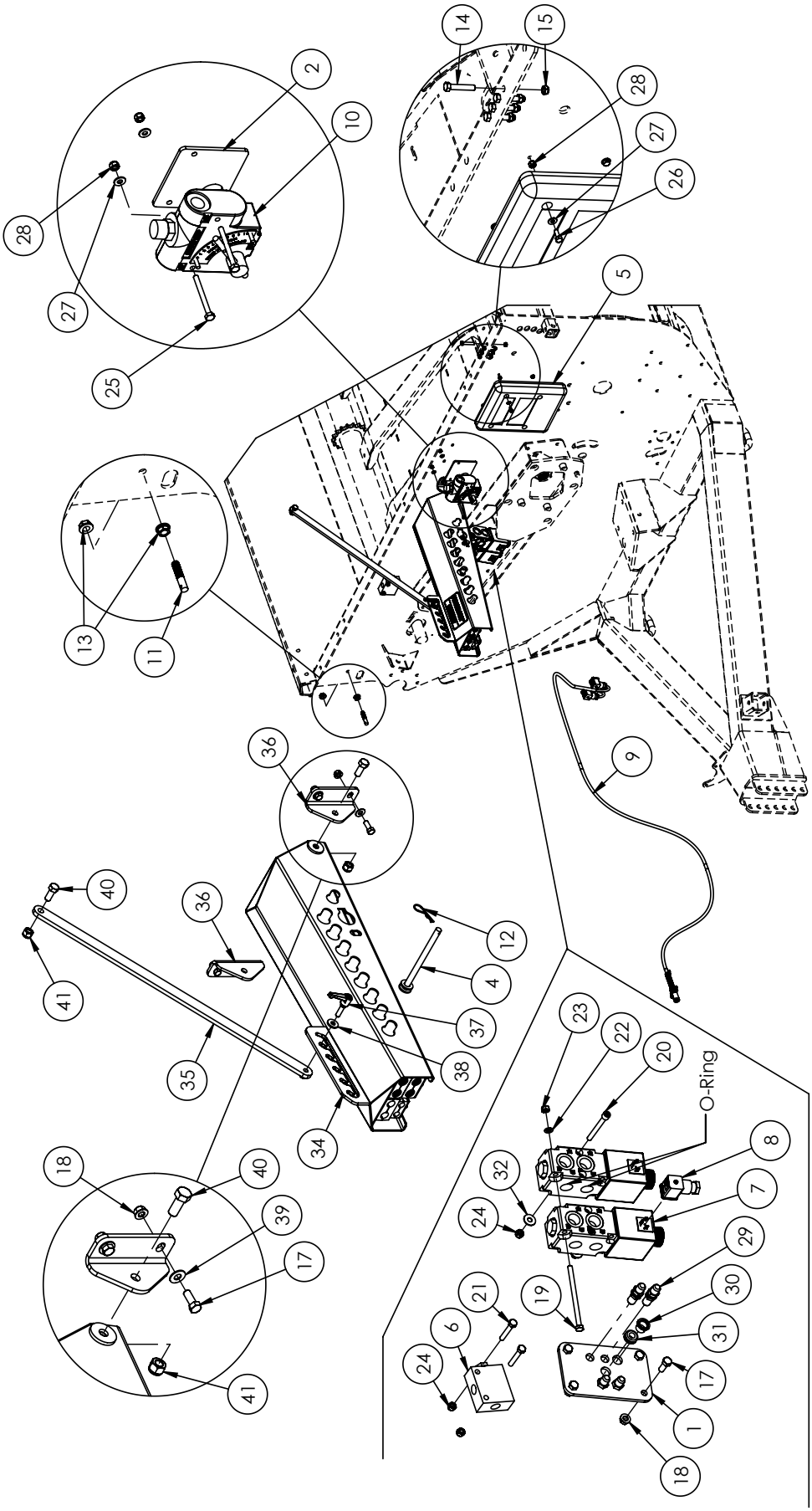

8
10
11
8
7
6
6
5
6
9
7
6
10
11
6
8
1
14
4
13
12
2
3
6
7
8
4
8
7
15
8
6
6
7
8

Front Tub Components

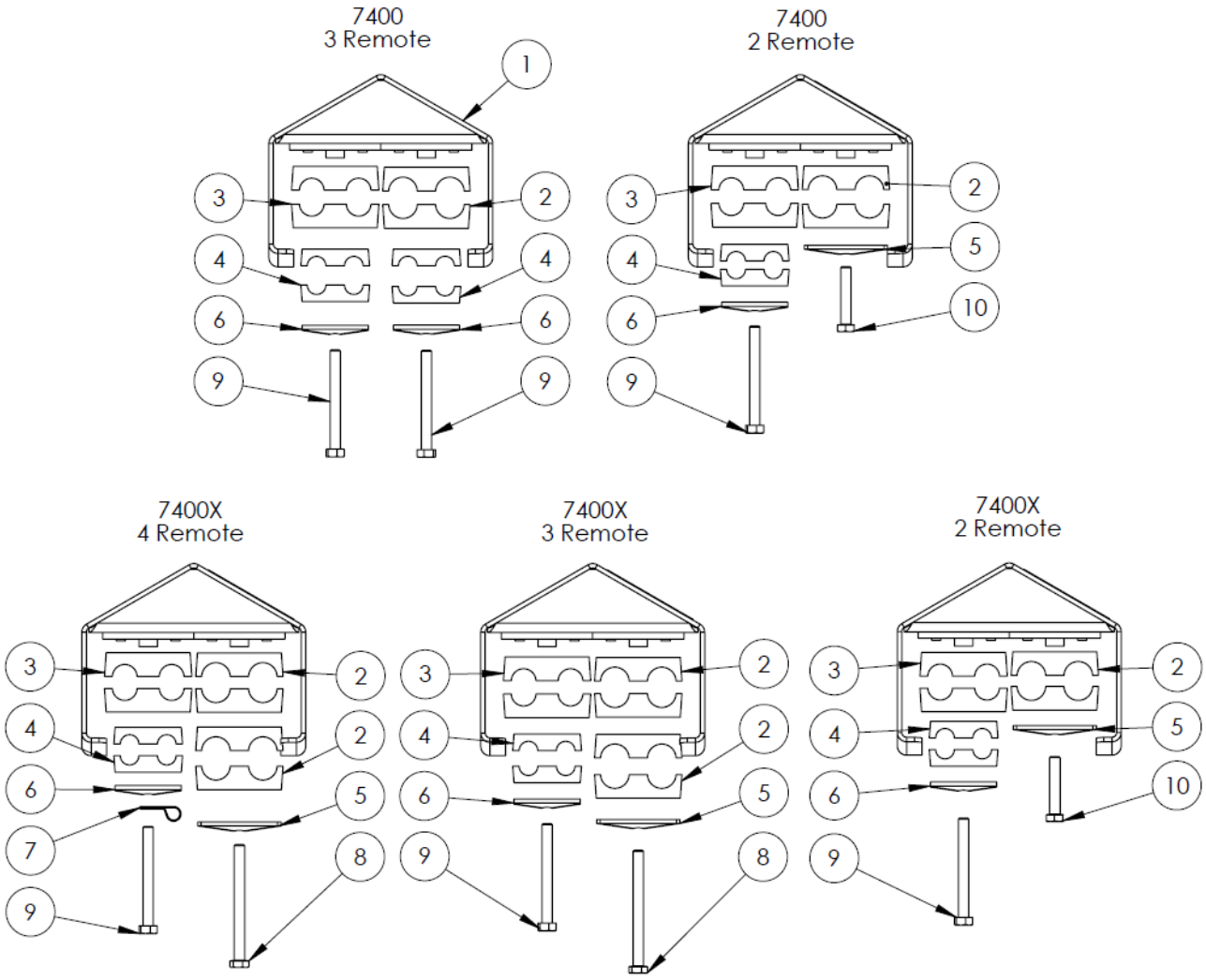
	Description	ID #	QTY
1	Bulkhead Cover Plate	33721	1
2	Flow Control Valve Spacer	33455	1
3	Hose Holder	31740	1
4	Hose Support Pin	31745	1
5	Manual Holder Box	22409	1
6	Line Lock Valve	19114	1
7	Diverter Valve *Stacking Kit (Includes 19,22,23)* *Nut & O-Ring* *Magnet Kit*	11743 12895 17977 11789	2
8	Diverter Valve Plug	13657	2
9	Diverter Valve Wiring *See breakdown page 78*	24466	1
10	Flow Control Valve	10455	1
11	Threaded Pin, 1/2 x 2-1/2”	13231	1
12	Hairpin	11786	1
13	Nut, 1/2” Serrated Flange	10273	2
14	Bolt, 3/8 x 2” Fine Thread Gr.5	33285	4
15	Nut, 3/8” Fine Thread Stover Lock	33286	4
16	Bolt, 3/8 x 1” Carriage	15718	5
17	Bolt, 3/8 x 1”	13806	4
18	Nut, 3/8” Serrated Flange	10271	9
19	Bolt, 5/16 x 5”	NSS	4
20	Bolt, 5/16 x 3” Socket Head	11783	2

	Description	ID #	QTY
21	Bolt, 5/16 x 2” Bolt	15572	2
22	Washer, 5/16” Lock	13766	4
23	Nut, 5/16”	19528	4
24	Nut, 5/16” Nylon Lock	11815	4
25	Bolt, 1/4 x 2-3/4”	11811	2
26	Bolt, 1/4 x 3/4”	11809	4
27	Washer, 1/4” Flat	11666	4
28	Nut, 1/4” Nylon Lock	11664	6
29	Hydraulic Fitting, 6MJBH	11767	4
30	Tapered Plug	33302	1
31	Grommet	21428	1
32	Washer, 5/16” Flat	12496	2
33	Nut, 3/8” Nylon Lock	10806	4
34	Adjustable Hose Holder	36072	1
35	Adjustable Hose Holder Linkage	35040	1
36	Adjustable Hose Holder Pivot	36043	2
37	Handle Bolt	34944	1
38	Washer, 3/8” Heavy Flat	33189	1
39	Washer, 3/8” Flat	11667	4
40	Bolt, 1/2 x 1-1/4”	10240	3
41	Nut, 1/2” Stover Lock	20154	3

NOTE: Not all parts shown will be used, depending on the hydraulic remote set-up.


O-Ring

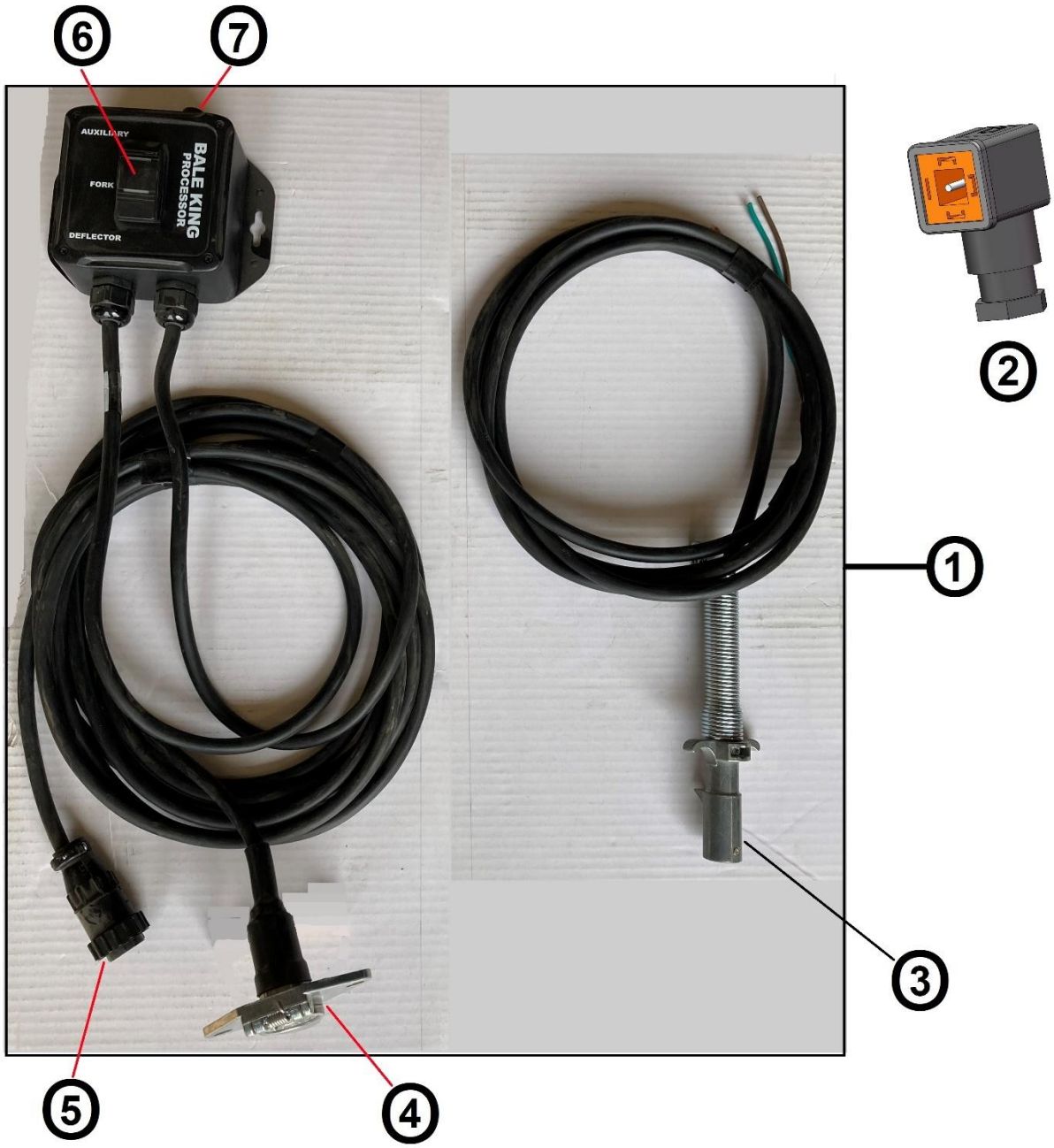
Hose Holder & Hydraulic Clamps



	Description	ID #	QTY
1	Hose Holder	31740	1
2	Hose Clamp for 1/2” Hose	21561	A/R
3	Hose Clamp for 3/8” Hose	22180	A/R
4	Hose Clamp for 1/4” Hose	22181	A/R
5	Hose Clamp Cap Large	21725	A/R
6	Hose Clamp Cap Small	22182	A/R

	Description	ID #	QTY
7	Cable Clamp	13629	A/R
8	Bolt, 5/16 x 3-1/2”	13765	A/R
9	Bolt, 5/16 x 3”	22844	A/R
10	Bolt, 5/16 x 1-3/4”	21726	A/R
11	Velcro Strap *To wrap hoses together*	17962	1

Diverter Control Box

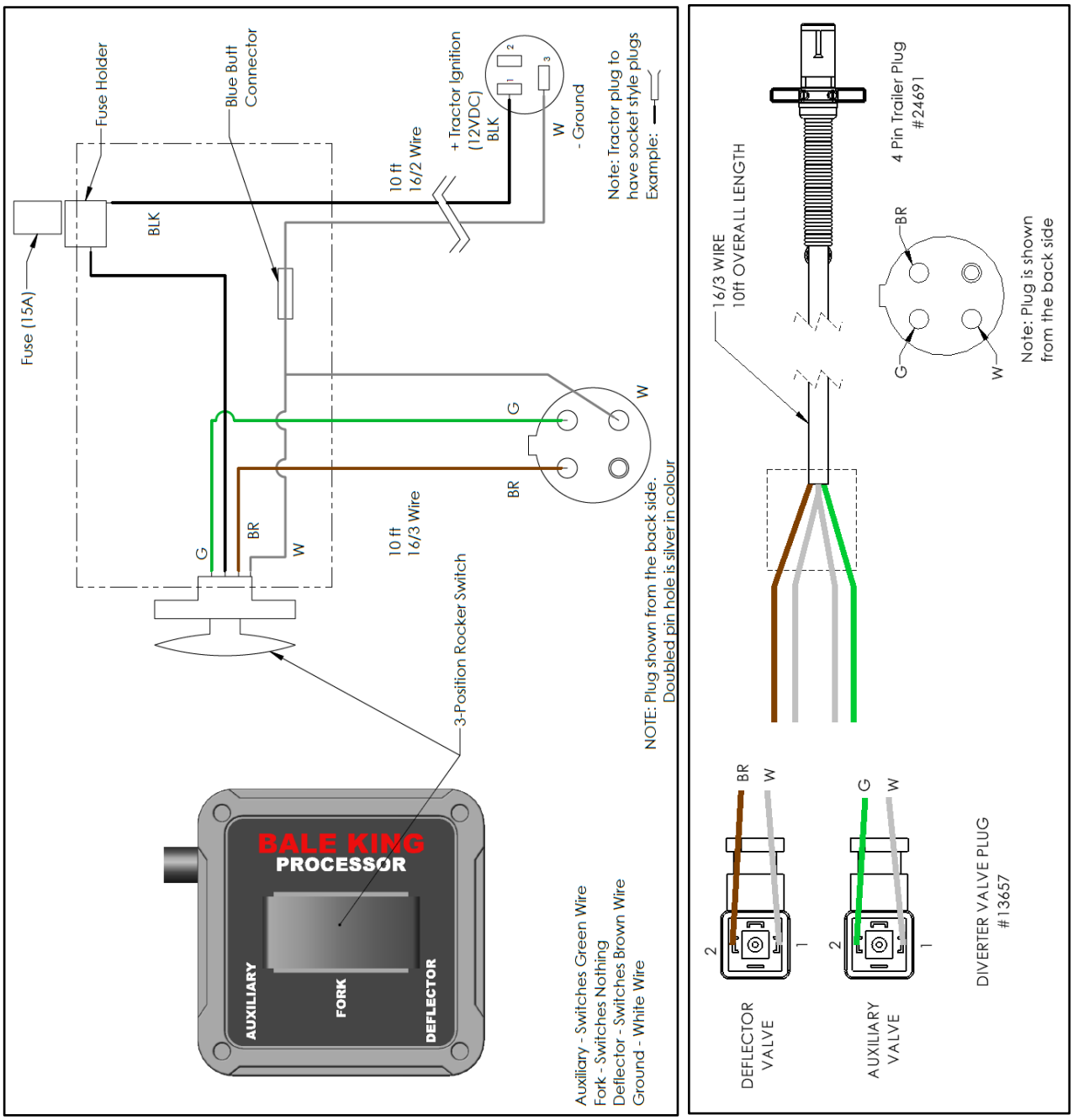


	Description	ID #	QTY
1	Complete Control Box with Harness	24466	1
2	Square Plug for Diverter Valve *not included in kit*	13657	*
3	4-pin Trailer Plug	24691	1
4	4-pin Tractor Plug	24690	1

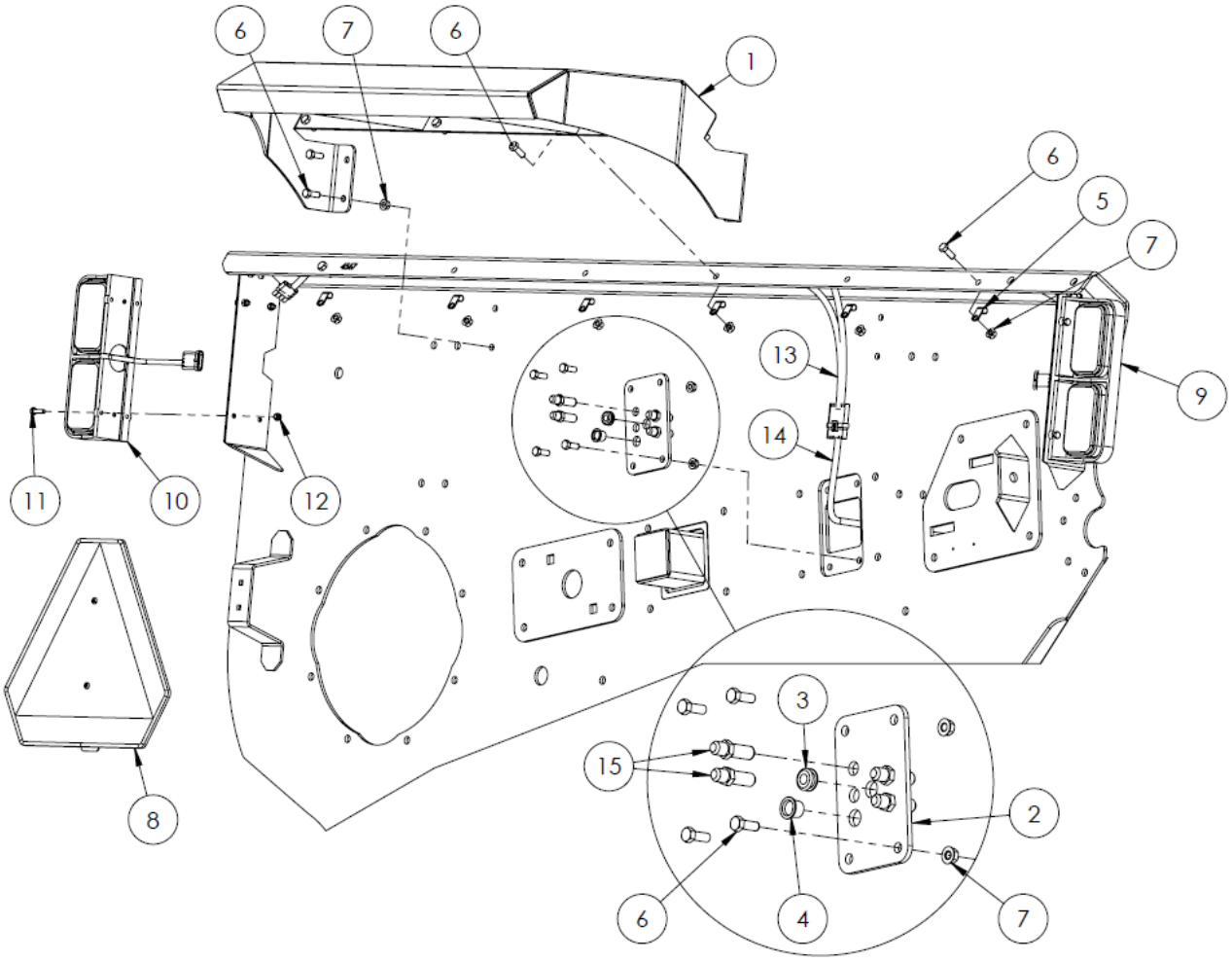
	Description	ID #	QTY
5	3-pin Connector Plug	18537	1
6	3-way Switch	34827	1
7	Fuse Holder	10312	1

*** NOTE:** 1 plug is needed for each diverter valve.

Diverter Control Box #24466



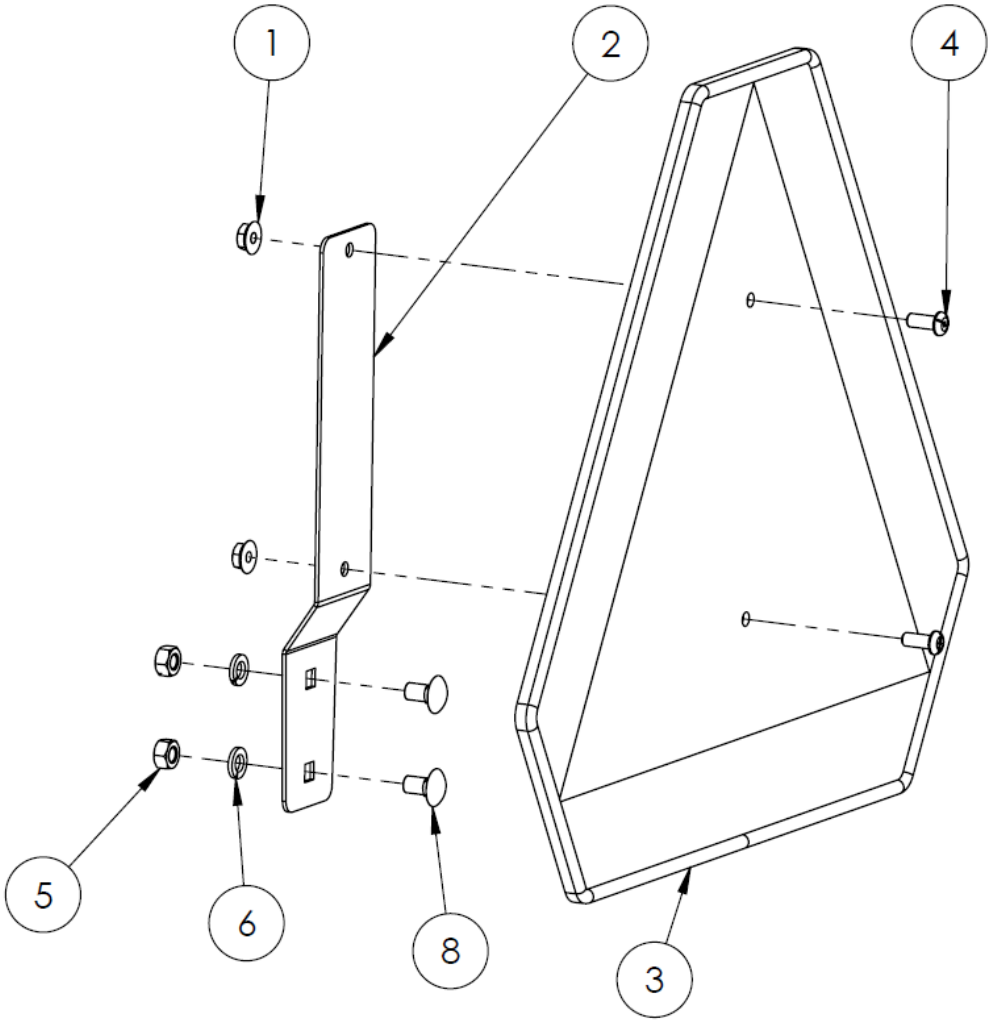
Rear Tub Components



	Description	ID #	QTY
1	Rear Deflector	33713	1
2	Bulkhead Cover Plate	33721	1
3	Grommet, 7/16” ID x 1/4” Thick	21428	1
4	Tapered Plug	33302	1
5	Wiring Clamp	13629	6
6	Bolt, 3/8 x 1”	13806	14
7	Nut, 3/8” Serrated Flange	10271	14
8	SMV Sign *See breakdown page 81*	36030	1

	Description	ID #	QTY
9	RH Light	31088	1
10	LH Light	31087	1
11	Bolt, 1/4 x 1”	11810	4
12	Nut, 1/4” Nylon Lock	11664	4
13	Wishbone Light Harness	32997	1
14	Main Light Harness	32998	1
15	Hydraulic Fitting, 6MJBH	11767	4

Slow Moving Vehicle (SMV) Sign Kit

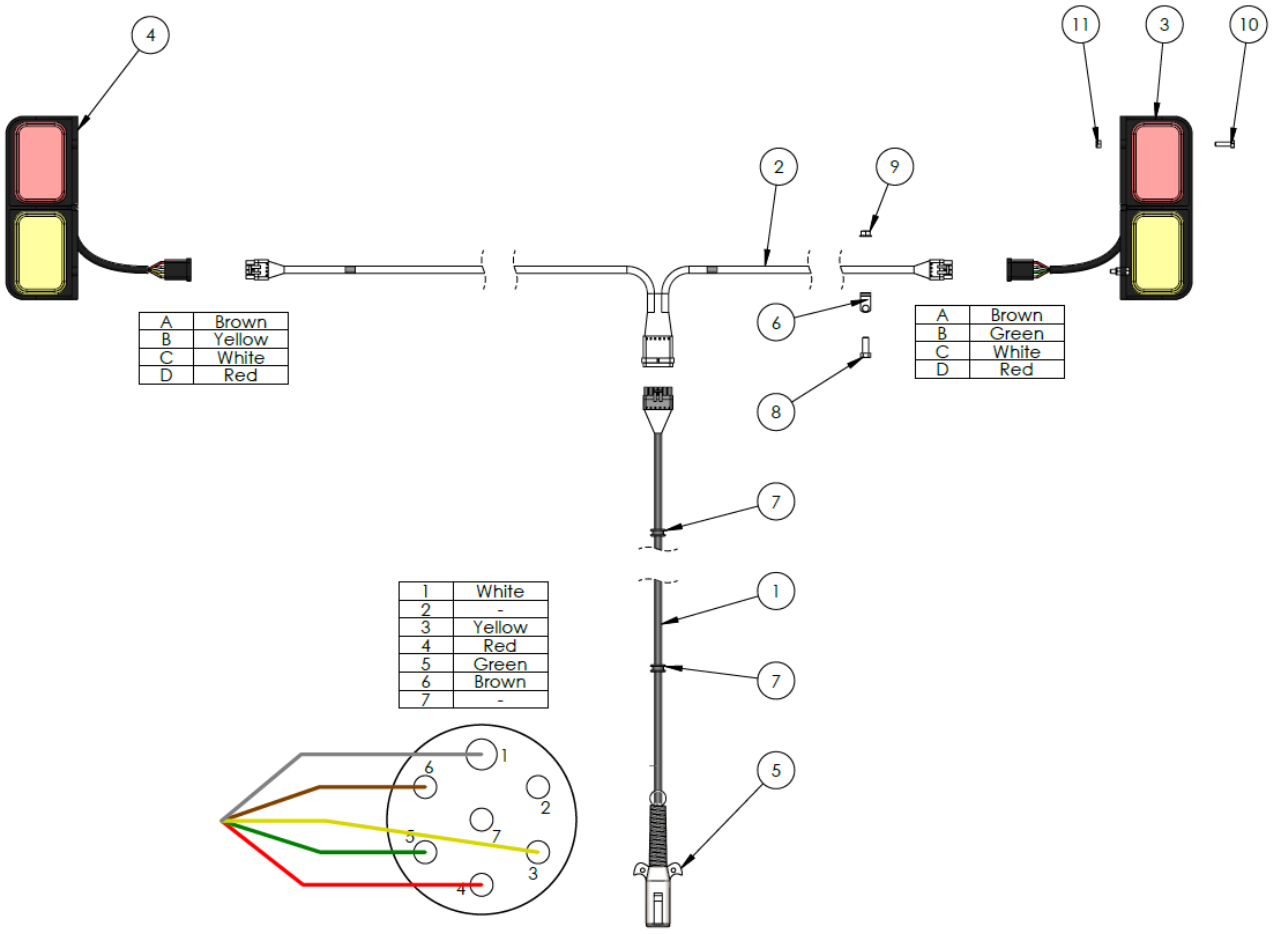


	Description	ID #	QTY
	Complete SMV Sign Kit	36030	1
1	Nut, 1/4" Serrated Flange Nut		2
2	Galvanized Sign Bracket		1
3	SMV Sign		1
4	Pan Head Bolt, 1/4" x 5/8"		2
5	Nut, 5/16"		2

	Description	ID #	QTY
6	Lock Washer, 5/16"		2
7	Tapered Receiver Bracket		1
8	Carriage Bolt, 5/16" x 1/2"		2
9	Carriage Bolt, 5/16" x 2"		-
10	Lock Washer, 1/4"		-

NOTE: Only the parts shown above are used on the Bale King 7450. Additional parts are included in the SMV sign kit which are not required. Individual parts not sold separately.

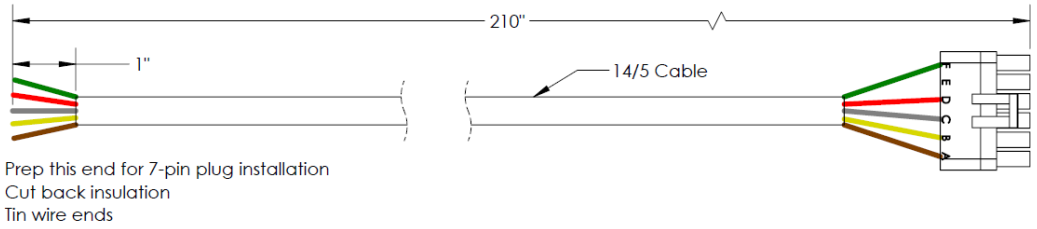
Lights



	Description	ID #	QTY
1	Main Light Harness	32996	1
2	Wishbone Harness	32997	1
3	Light Assembly, LH	31087	1
4	Light Assembly, RH	31088	1
5	7-pin Trailer Plug	12177	1
6	Wire Clamp	13629	6

	Description	ID #	QTY
7	Grommet	21428	2
8	Bolt, 3/8 x 1”	13806	6
9	Nut, 3/8” Serrated Flange	10271	6
10	Bolt, 1/4 x 1”	11664	8
11	Nut, 1/4” Nylon Lock	11810	8

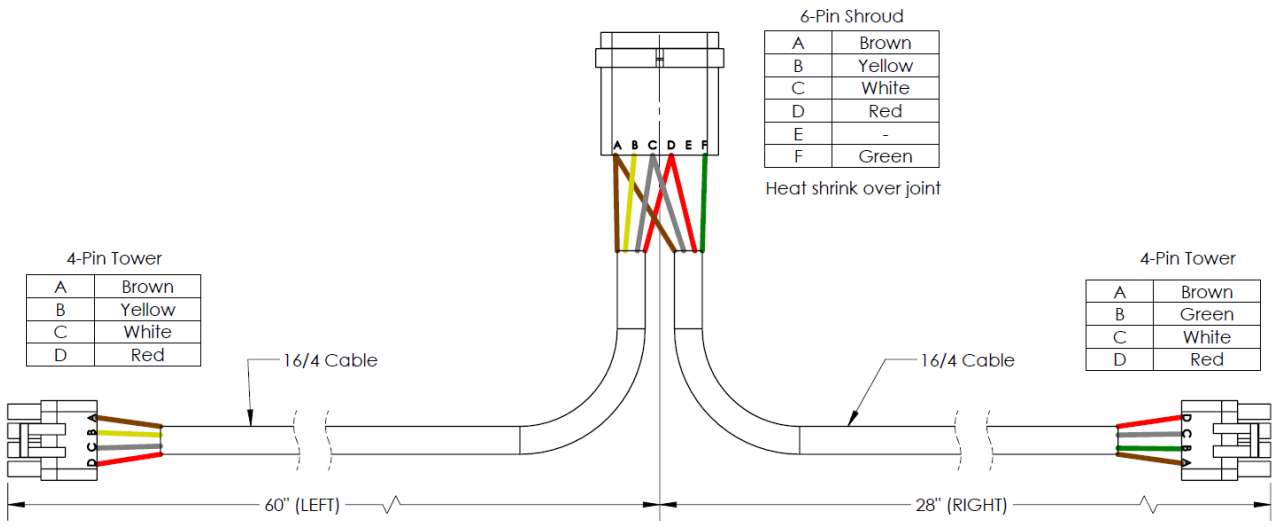
Main Light Harness #32996



6-Pin Tower	
A	Brown
B	Yellow
C	White
D	Red
E	-
F	Green

Heat shrink over joint

Wishbone Light Harness #32997



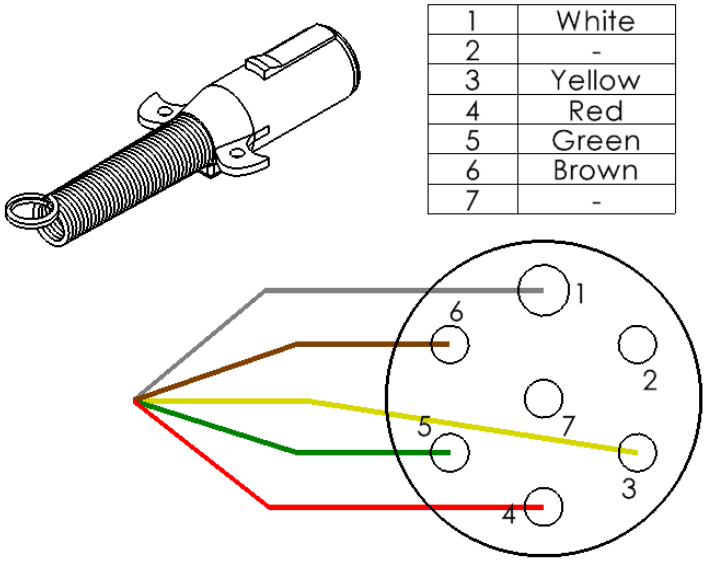
6-Pin Shroud	
A	Brown
B	Yellow
C	White
D	Red
E	-
F	Green

Heat shrink over joint

4-Pin Tower	
A	Brown
B	Yellow
C	White
D	Red

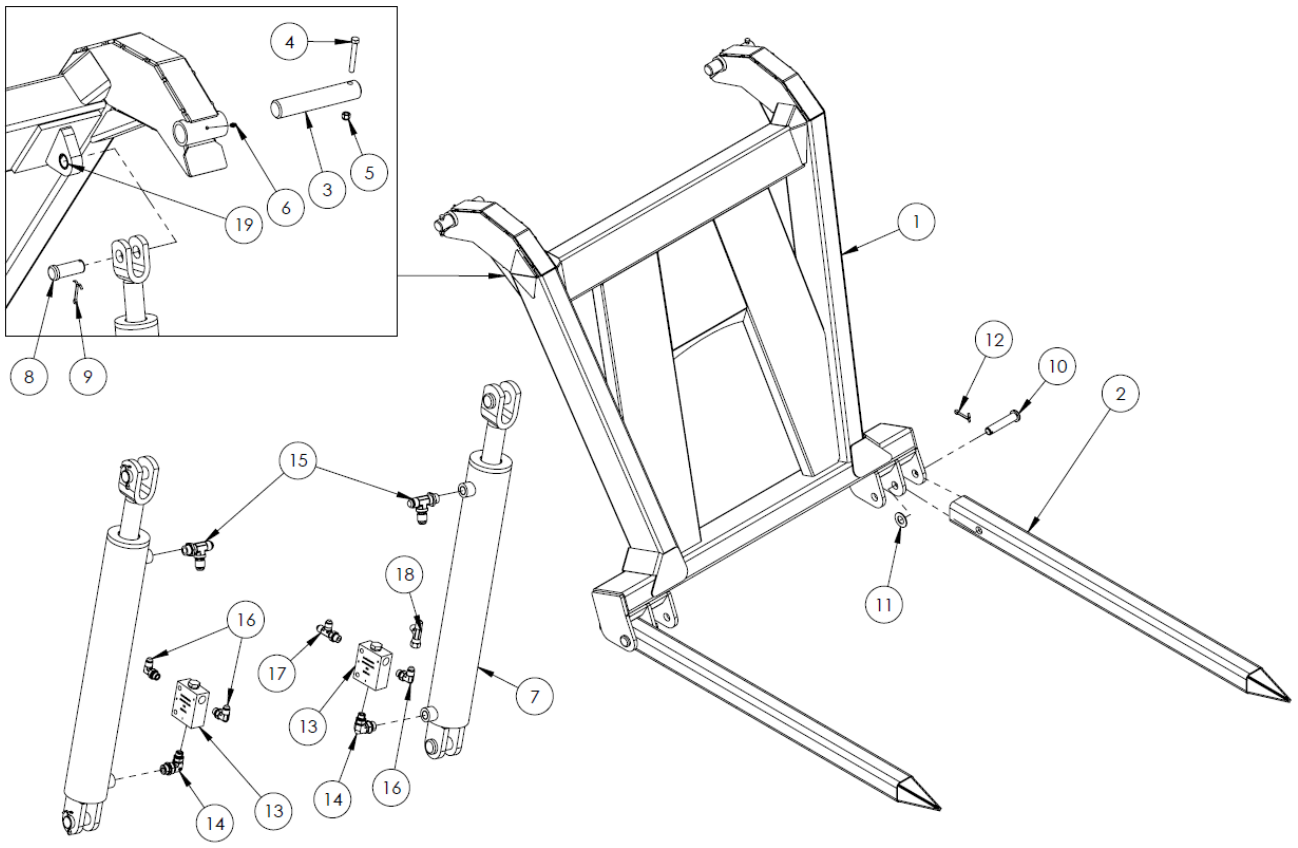
4-Pin Tower	
A	Brown
B	Green
C	White
D	Red

7-pin Light Plug #12177



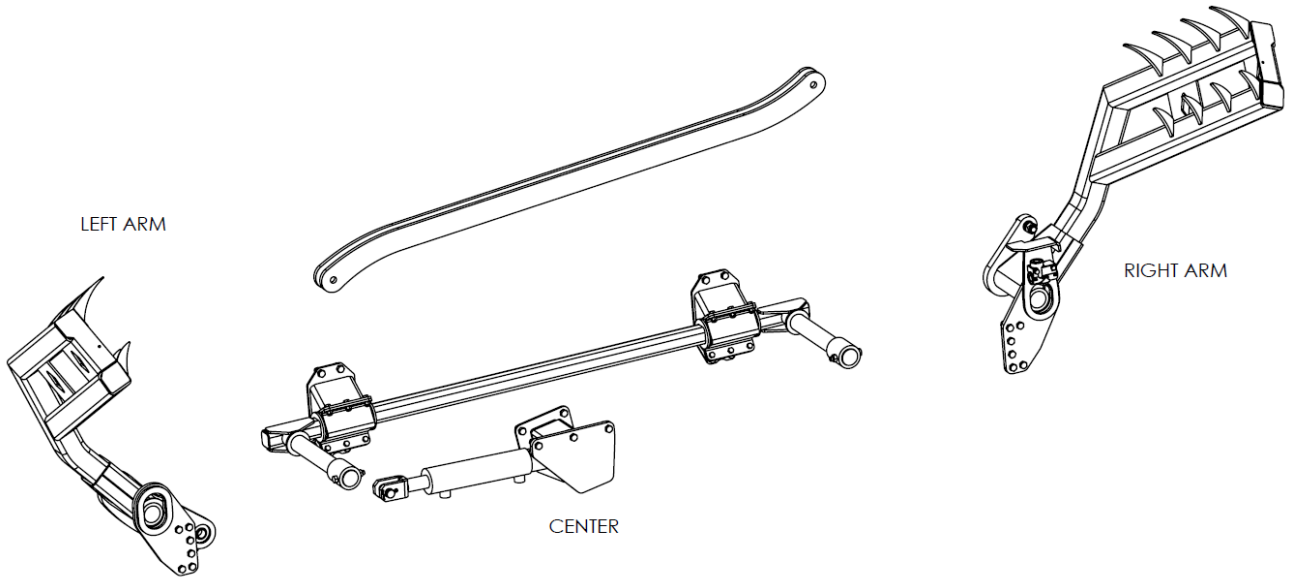
1	White
2	-
3	Yellow
4	Red
5	Green
6	Brown
7	-

Rear Fork



	Description	ID #	QTY		Description	ID #	QTY
1	Rear Fork Frame	33759	1	10	Tine Pin	10031	2
2	Fork Tine	36150	2	11	Washer, 1” Flat	14472	2
3	Fork Pivot Pin	22006	2	12	Cotter Pin, 1/4 x 2”	10580	2
4	Bolt, 3/8 x 2-3/4”	20908	2	13	Hydraulic Check Valve	19114	2
5	Nut, 3/8” Nylon Lock	10806	2	14	Hyd. Fitting, 8MB-6MB90	33739	2
6	Grease Zerk, 1/4”	16364	2	15	Hyd. Fitting, 8MBR-8MJT	22159	2
7	Hydraulic Cylinder, 3 x 18 x 1.5” *Replacement Shaft* *Seal Kit*	21717 31034 20807	2	16	Hyd. Fitting, 6MB-6MJ90	10201	3
				17	Hyd. Fitting, 6MBR-6MJT	23726	1
8	Cylinder Pin, 1 x 2-1/4” Usable	36027	4	18	Hyd. Fitting, 6FJXR-6MJT	15760	1
9	Cotter Pin, 3/16 x 1-1/2”	10072	4	19	Bushing Insert	23708	4

Three Bale Kit Option

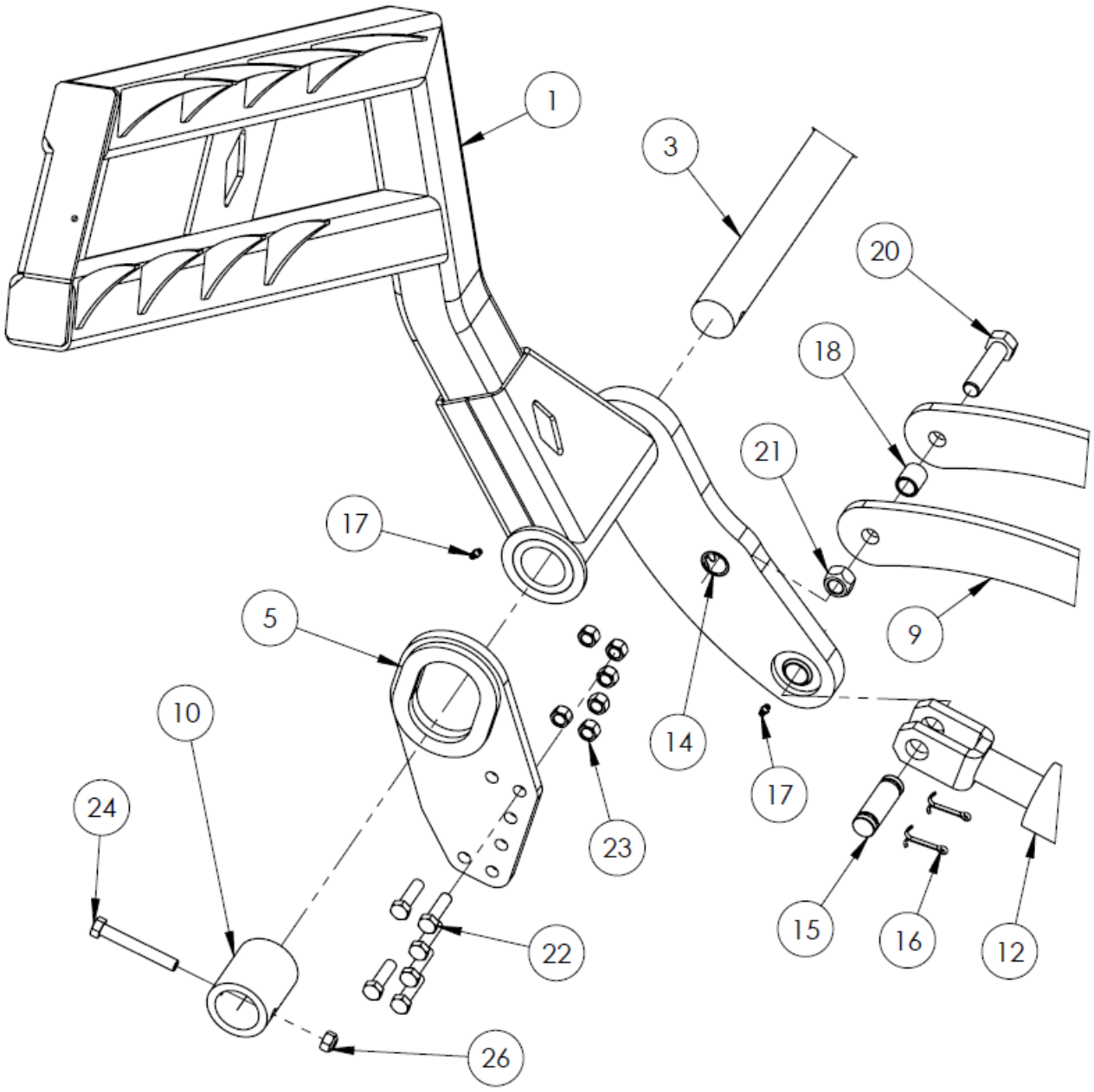


	Description	ID #	QTY
1	Left Arm	33328	1
2	Right Arm	33329	1
3	Torsion Bar Assembly *Individual parts not sold separately*	33926	1
4	Torsion Bar Mount	NSS	2
5	Rear Support Left	33332	1
6	Rear Support Right	33333	1
7	Cylinder Base Mount	33334	1
8	Cylinder Mount Tub Adaptor *5300 only*	33387	1
9	Timing Bar	33335	2
10	Shaft Rear Bushing	33336	2
11	Torsion Clamp	NSS	2
12	Hydraulic Cylinder, 2-1/2" x 8" *Comes with pin (15)* *# Seal Kit*	30126 17609	1
13	Depth Control Valve	30980	1
14	Press-in Bushing, 1"	23708	2
15	Cylinder Pin, 1 x 3-1/8"	10339	2

	Description	ID #	QTY
16	Cotter Pin, 3/16 x 1-1/2"	10072	4
17	Grease Zerk, 1/4"	16364	4
18	Bushing, 1" OD x 3/4" ID x 1-1/16"	36138	2
19	Rubber Torsion Bar	NSS	8
20	Bolt, 3/4 x 3"	27451	2
21	Nut, 3/4" Stover Lock	11823	2
22	Bolt, 1/2 x 1-3/4" Fine Thread	32151	15
23	Nut, 1/2" Stover Lock Fine Thread	32153	15
24	Bolt, 1/2 x 3-1/2"	10353	2
25	Bolt, 1/2 x 1-1/4"	10240	9
26	Nut, 1/2" Stover Lock	20154	10
27	Bolt, 3/8 x 1"	13806	12
28	Nut, 3/8" Stover Lock	17586	12
29	Bolt, 5/16 x 2-1/2"	19115	2
30	Nut, 5/16" Nylon Lock	11815	2
31	Washer, 3/8" Flat	11667	12

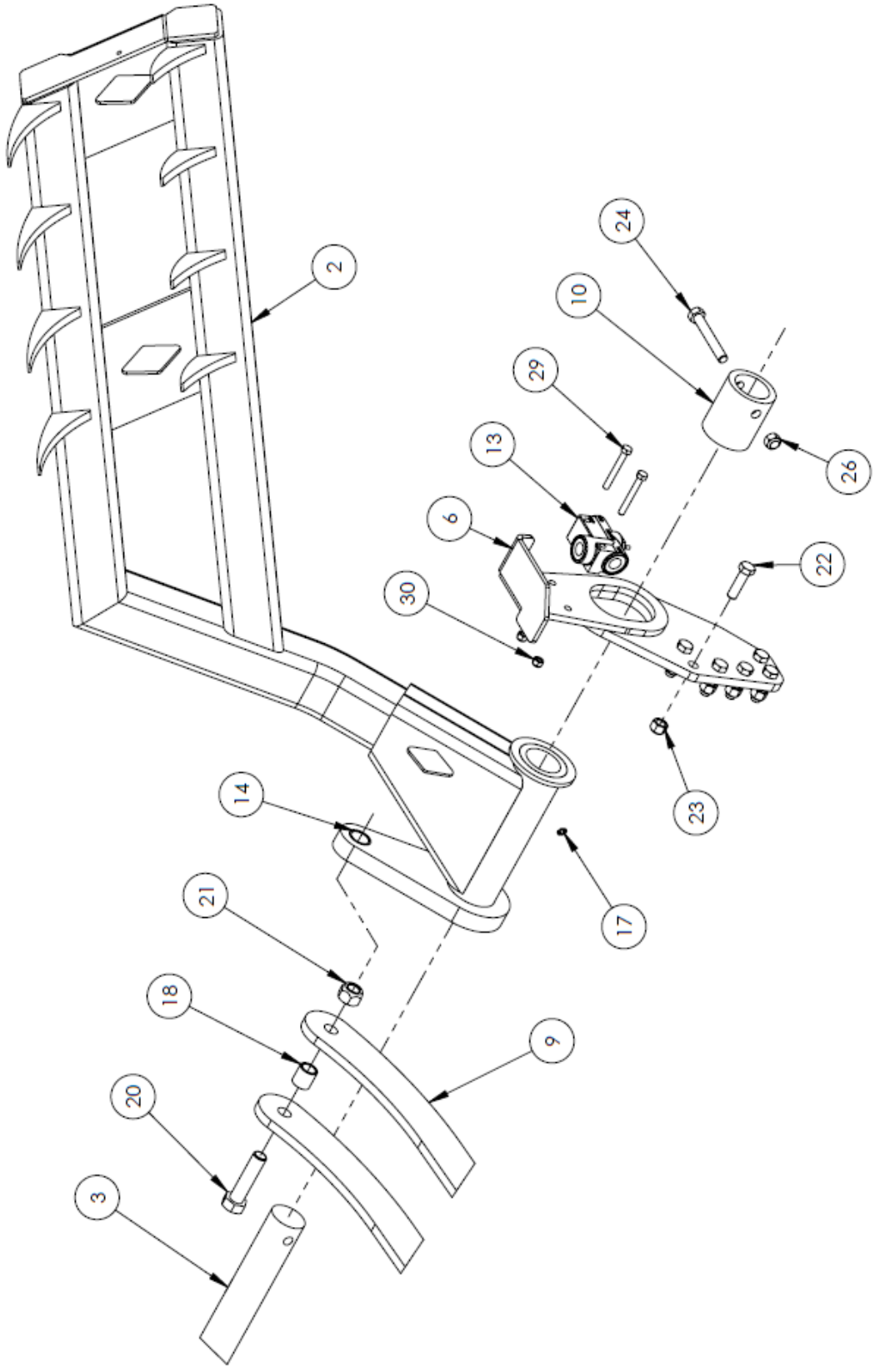
Three Bale Kit Left Arm

See reference table page 85



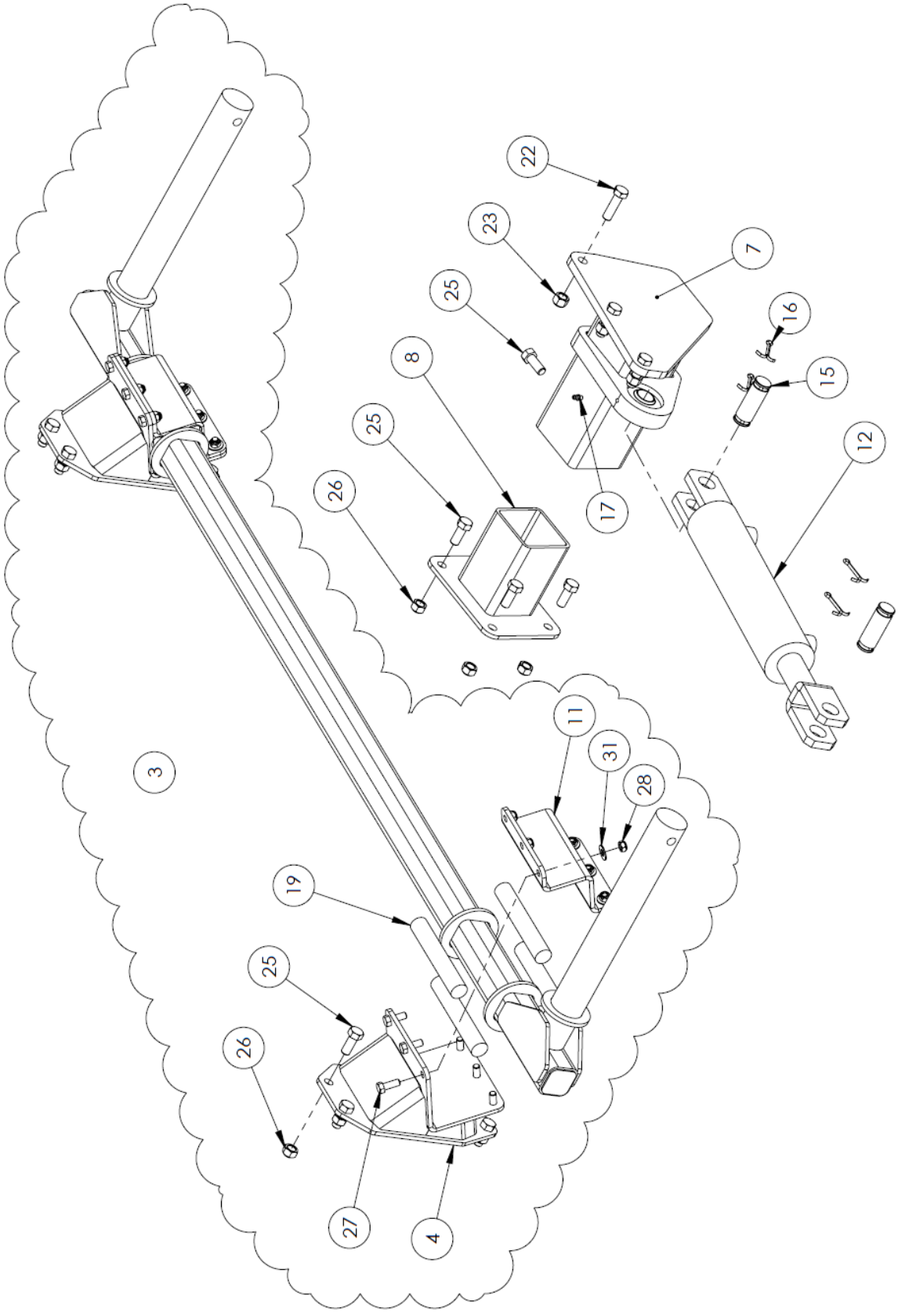
Three Bale Kit Right Arm

See reference table page 85

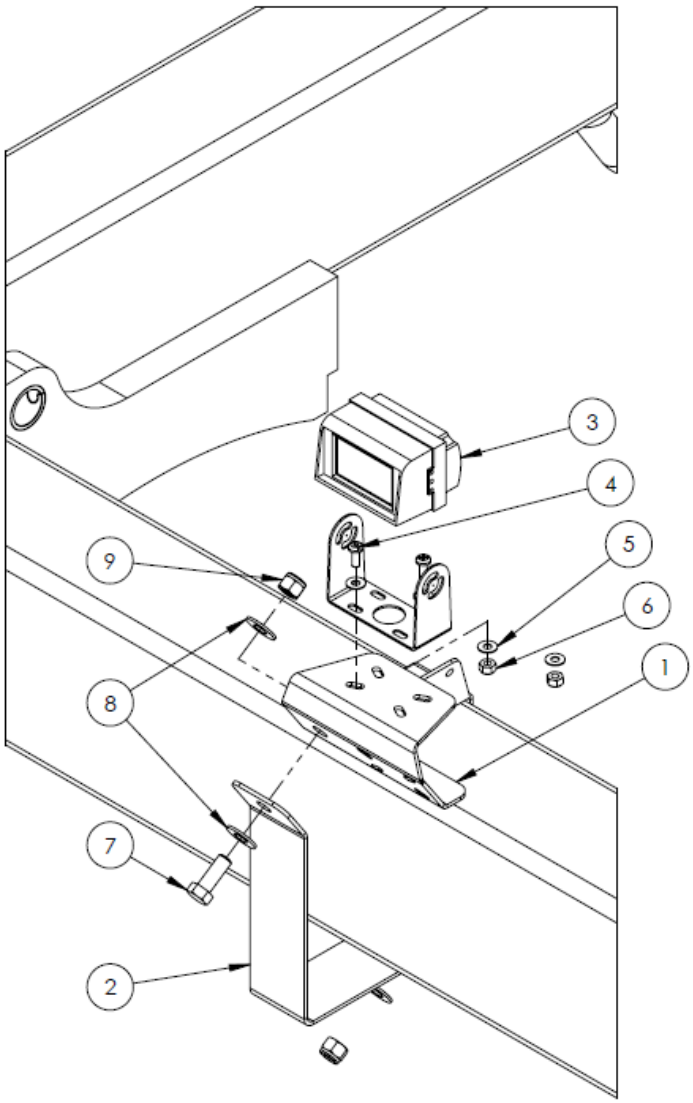


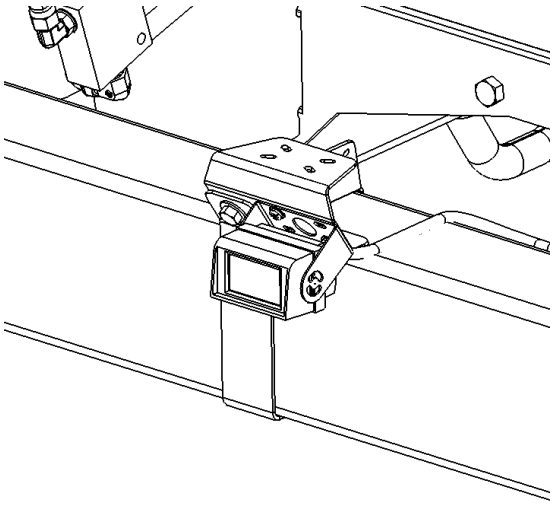
Three Bale Kit Center

See reference table page 85



Back-up Camera Option



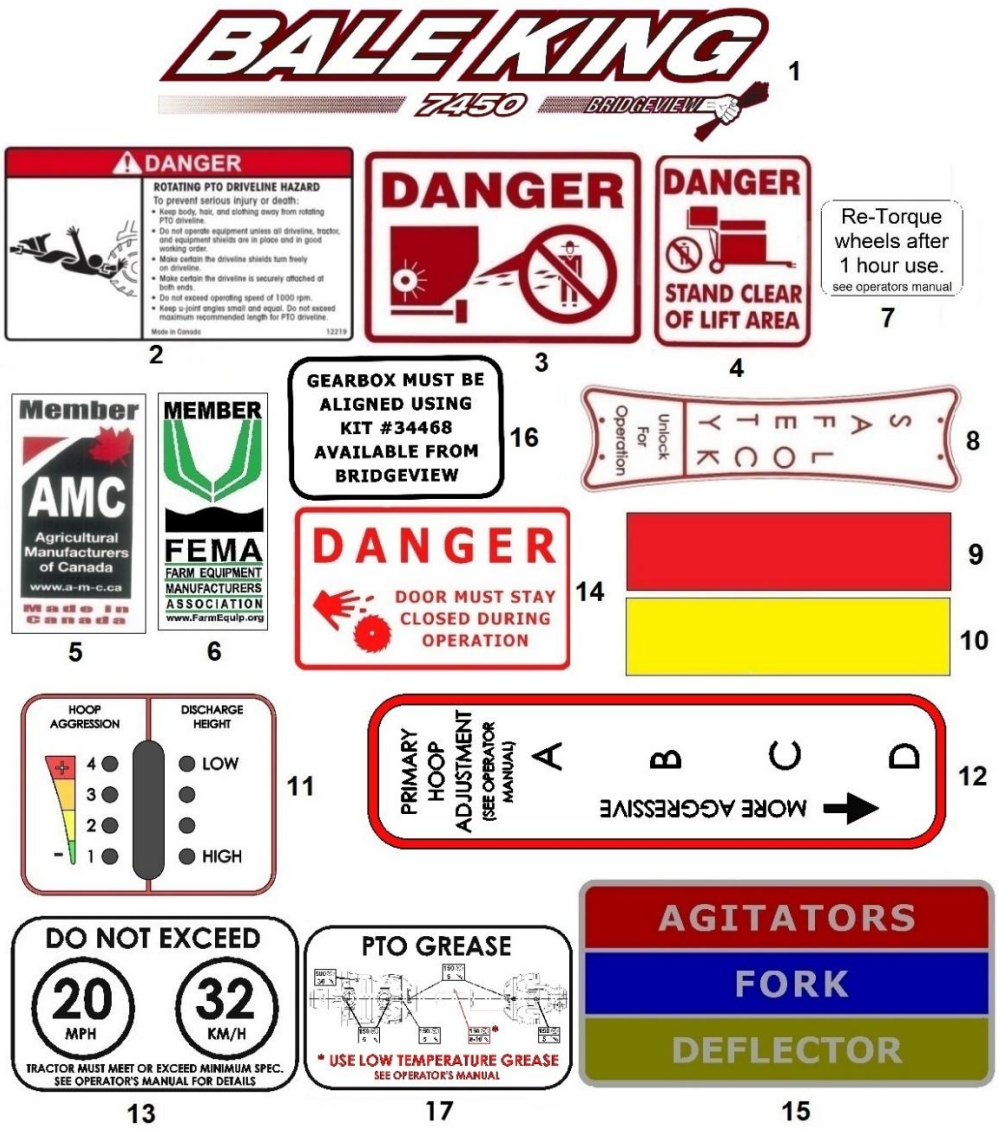


	Description	ID #	QTY
	Back-up Camera Kit	32628	
1	Camera Mounting Bracket	32618	1
2	Camera Mounting Strap	32617	1
3	Camera Package– PRO *	32639	1
4	Bolt, #10 x 1/2”	17035	2
5	Washer, #10 Flat	25600	4
6	Nut, #10 Nylon Lock	31110	2

	Description	ID #	QTY
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
12	Zip Tie	12041	15
13	Adhesive Zip Tie Mount	36609	3

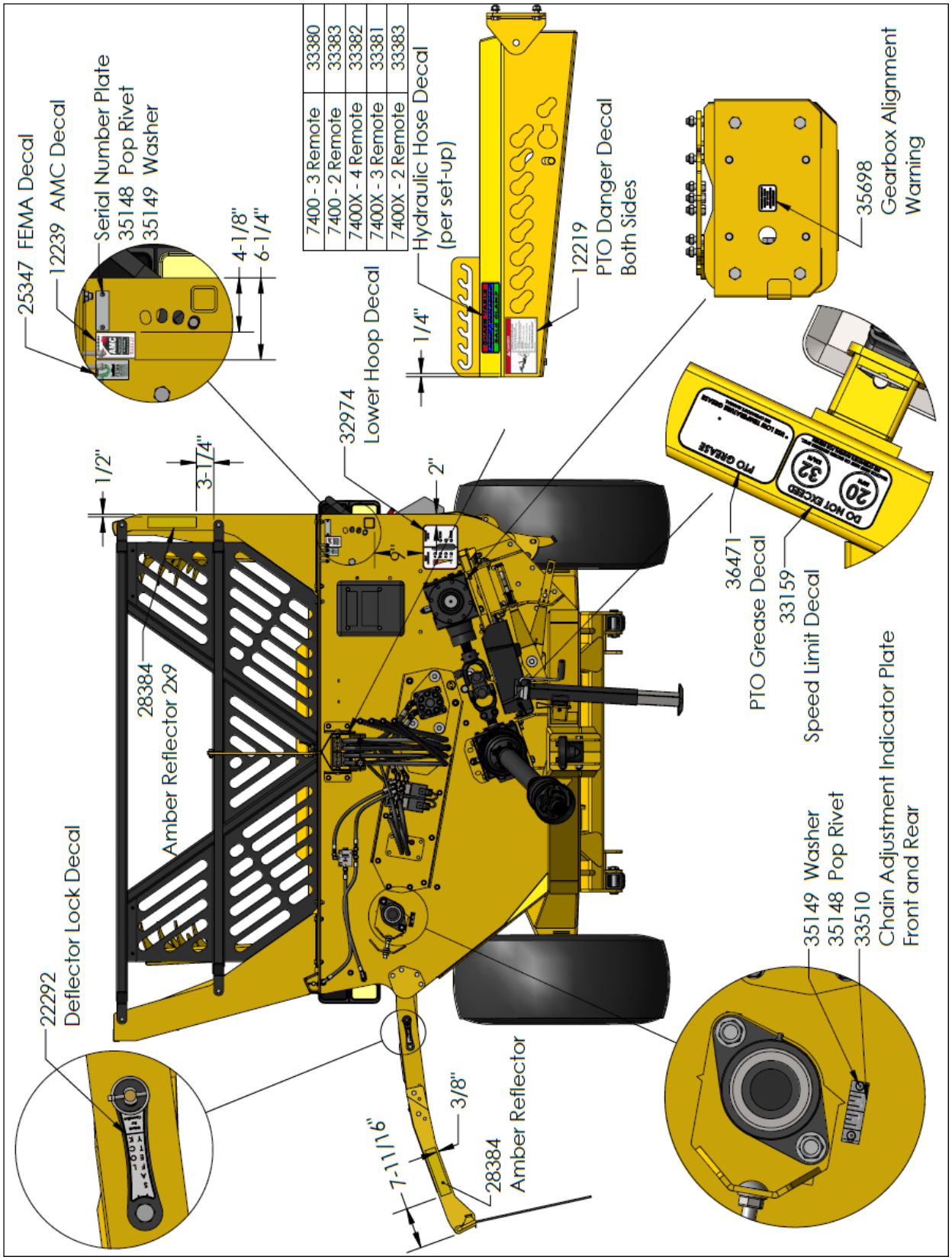
*** NOTE: Camera package includes camera bracket, monitor, and harnesses. Individual parts NSS.**

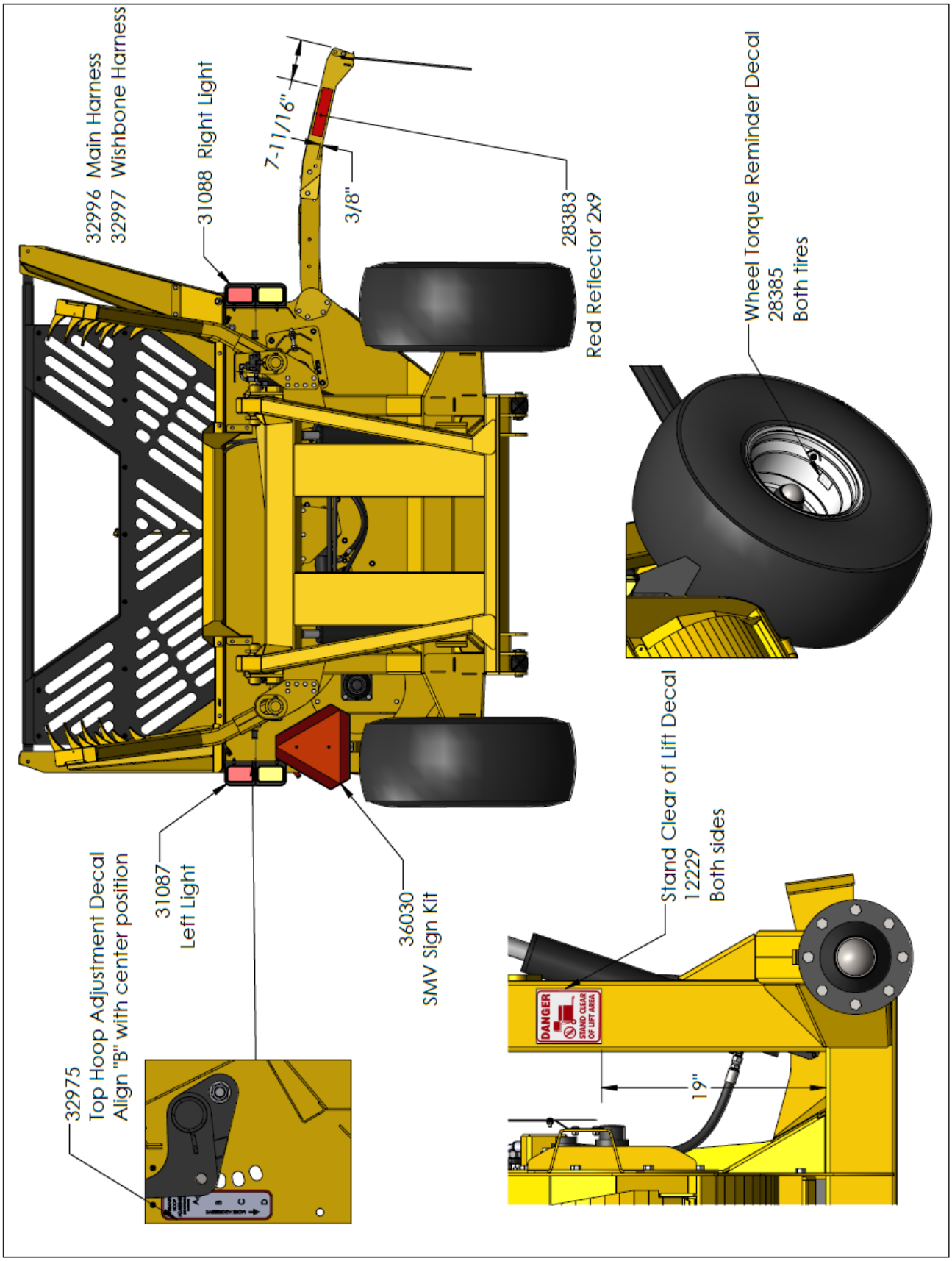
Decals

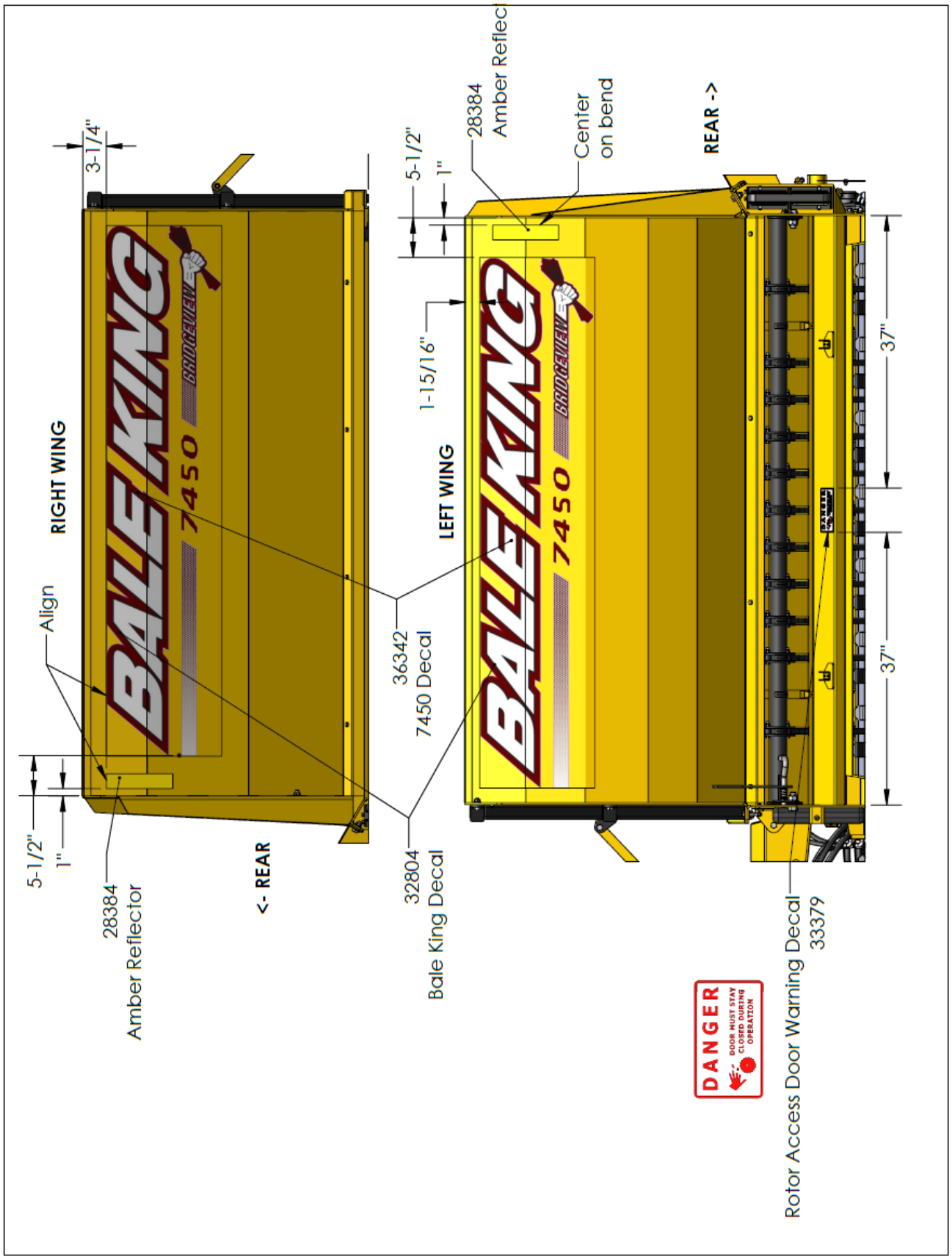


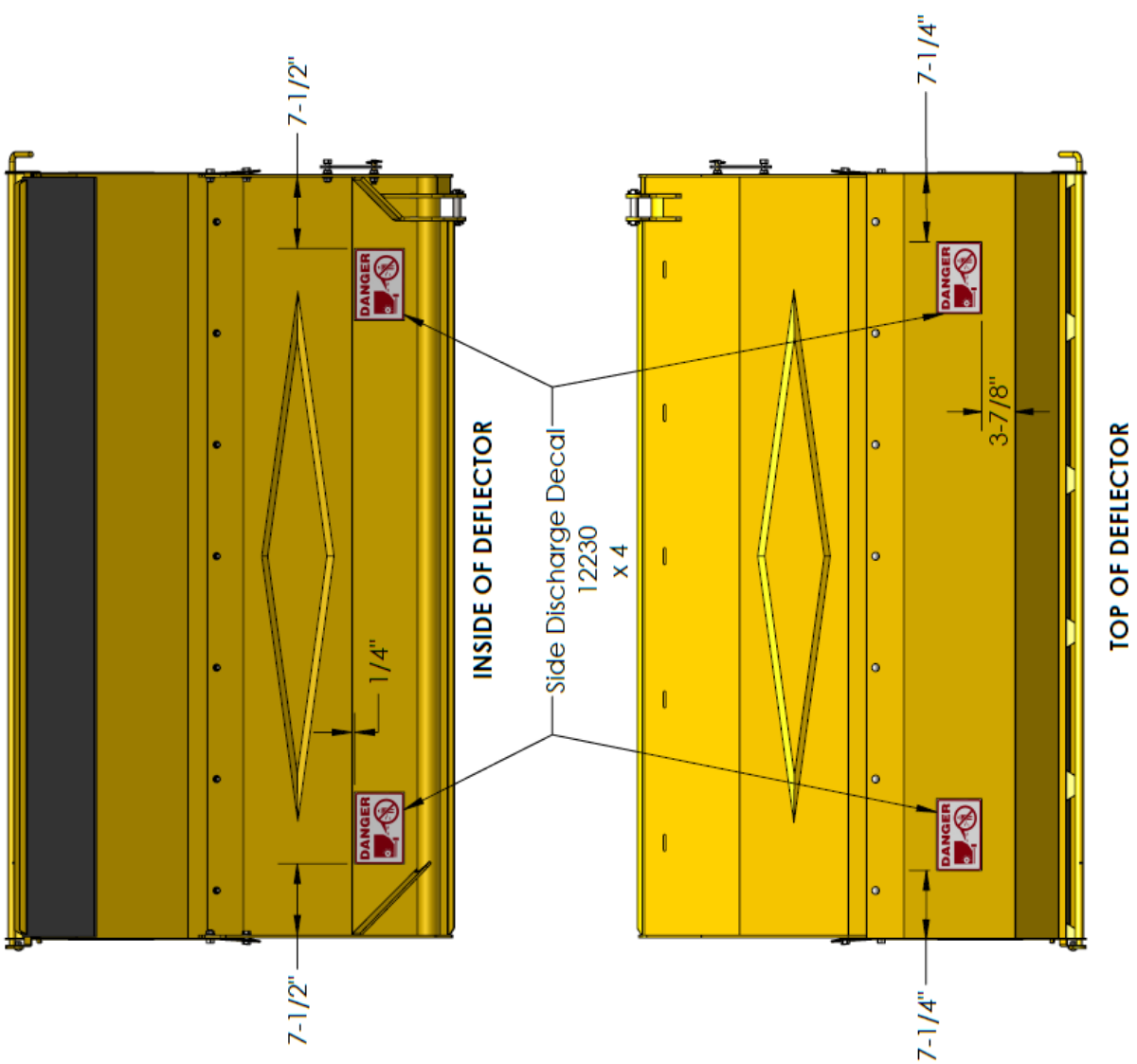
	Description	ID #	QTY
1	"BALE KING"	32804	2
	"7450"	36342	
2	"DANGER", PTO	12219	2
3	"DANGER", Discharge	12230	4
4	"DANGER", Stand Clear of Lift	12229	2
5	AMC Member	12239	1
6	FEMA Member	25347	1
7	Wheel Torque Reminder	28385	2
8	Deflector Safety Lock	22292	1
9	Red Reflector	28383	1
10	Amber Reflector	28384	4

	Description	ID #	QTY
11	Hoop Adjustment Lower	32974	1
12	Hoop Adjustment Top	32975	1
13	Speed Limit	33159	1
14	Rotor Access Door Warning	33379	1
15	Hyd. Functions, 3-Remote	33380	1
	Hyd. Functions, 2-Remote	33383	
	Hyd. Functions, 7450X 4-Remote	33382	
	Hyd. Functions, 7450X 3-Remote	33381	
16	Gearbox Alignment Warning	35698	1
17	PTO Grease	36471	1


25347 FEMA Decal
12239 AMC Decal
Serial Number Plate
35148 Pop Rivet
35149 Washer
4-1/8"
6-1/4"
7400 - 3 Remote 33380
7400 - 2 Remote 33383
7400X - 4 Remote 33382
7400X - 3 Remote 33381
7400X - 2 Remote 33383
Hydraulic Hose Decal
(per set-up)
1/4"
12219
PTO Danger Decal
Both Sides
35698
Gearbox Alignment
Warning
32974
Lower Hoop Decal
2"
1/2"
3-1/4"
28384
Amber Reflector 2x9
36471
PTO Grease Decal
33159
Speed Limit Decal
22292
Deflector Lock Decal
35149 Washer
35148 Pop Rivet
33510
Chain Adjustment Indicator Plate
Front and Rear
3/8"
7-11/16"
28384
Amber Reflector


32996 Main Harness
32997 Wishbone Harness
31088 Right Light
7-11/16"
3/8"
28383
Red Reflector 2x9
Wheel Torque Reminder Decal
28385
Both tires
32975
Top Hoop Adjustment Decal
Align "B" with center position
31087
Left Light
36030
SMV Sign Kit
Stand Clear of Lift Decal
12229
Both sides
DANGER
STAND CLEAR OF LIFT AREA
19"


RIGHT WING
LEFT WING
REAR ->
<- REAR
3-1/4"
5-1/2"
1"
Align
28384
Amber Reflector
36342
7450 Decal
32804
Bale King Decal
1-15/16"
Center
on bend
37"
37"
Rotor Access Door Warning Decal
33379
DANGER
DOOR MUST STAY CLOSED DURING OPERATION


7-1/2"
7-1/4"
DANGER
INSIDE OF DEFLECTOR
Side Discharge Decal
12230
x 4
1/4"
3-7/8"
TOP OF DEFLECTOR
7-1/2"
7-1/4"

HYDRAULIC SCHEMATICS

Hydraulic Components 96
Hydraulic Fittings 96
Hydraulic Hoses 97
Front Panel – Chain Motor 98
Front Panel – 7450 – 3 Remote 99
Front Panel – 7450 – 2 Remote 100
Front Panel – 7450X – 4 Remote 101
Front Panel – 7450X – 3 Remote 102
Front Panel – 7450X – 2 Remote 103
Rear Fork 104
Rear Fork & Three Bale Kit 105

Hydraulic Components

#	DESCRIPTION	PART #
AA	Hydraulic Motor * Seal Kit	28702 25891
BB	Hydraulic Cylinder, 1-1/2 x 6” * Seal Kit	21711 23738
CC	Hydraulic Cylinder, 3 x 18” * Replacement Shaft * Seal Kit	21717 31034 20807
DD	Hydraulic Cylinder, 2-1/2 x 8” * Seal Kit	30126 17609
EE	Diverter Valve * Double Stack Kit * Nut & O-Ring Kit * Magnet Kit	11743 12895 17977 11798
FF	Line Lock Valve	19114
GG	Depth Control Valve	30980
HH	Check Valve	12171
JJ	Pioneer Tip	17379
KK	Flow Control Valve	10455

NOTE: Quantities vary depending on machine set-up. Order as required.

Hydraulic Fittings

	Description	ID #
A	10MB-8MJ45	23844
B	10MB-8FJX90	33744
C	10MB-8MJ90	12169
D	10MB-6MJ45	22722
E	10MB-6MJ	11739
F	8MB-6MB90	33739
G	8MBR-8MJT	22159
H	8FJXR-8MJT	11768
I	8MB-6MJ90	10200
J	8MB-6MJ45	11725
K	8MB-8MJ	10561

	Description	ID #
L	8MB-6MJ	11740
M	8MB Plug	31013
N	6MJBH	11767
O	6MB-6MJ90	10201
P	6MB-6MJ	10162
Q	6MB-6MJ Orifice (1/32”)	17436
R	6MBR-6MJT	23726
S	6MBL-6MJT	27678
T	6FJXR-6MJT	15760
U	6FJ Cap	26474

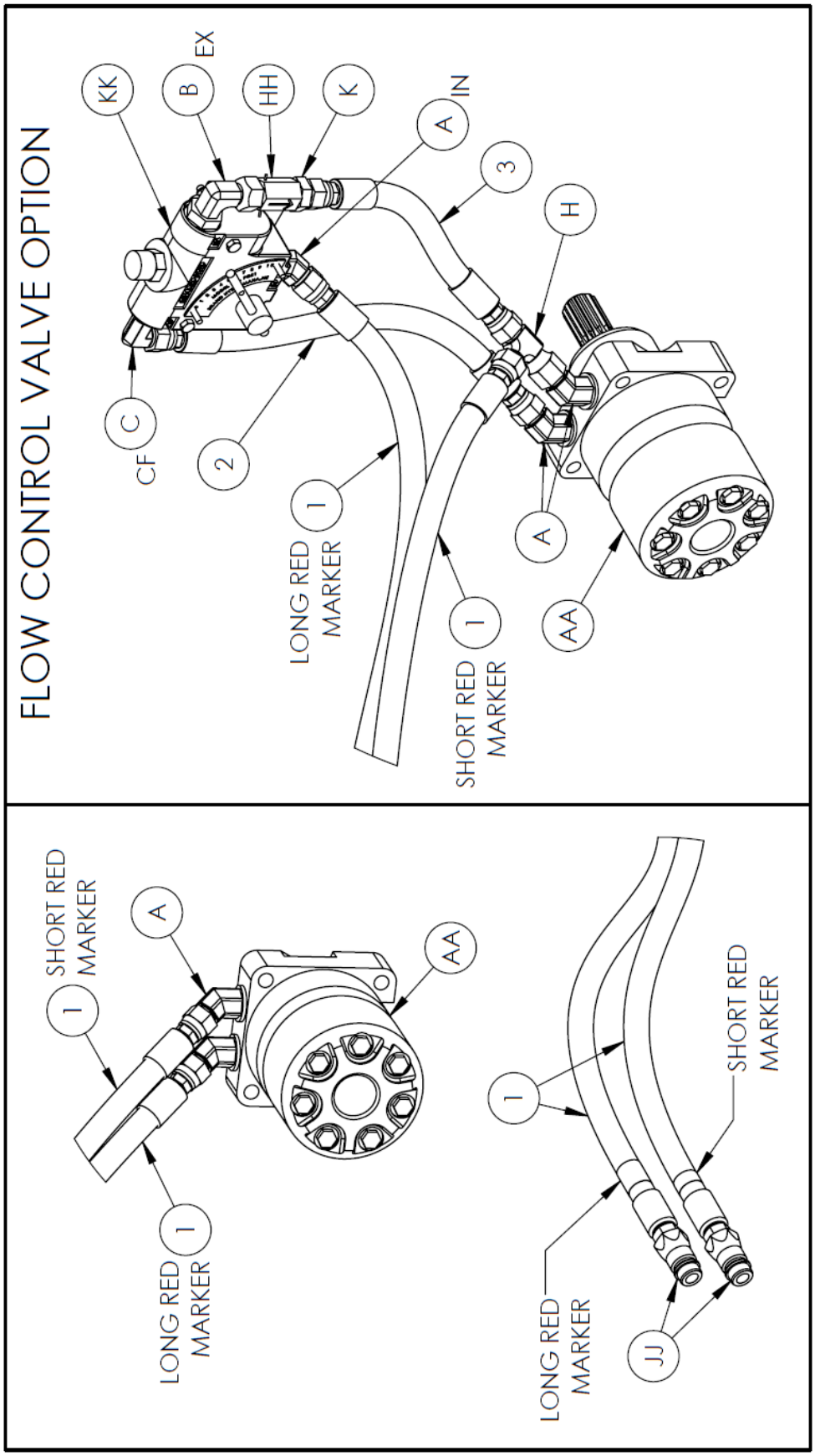
NOTE: Quantities vary depending on machine set-up. Order as required.

Hydraulic Hoses

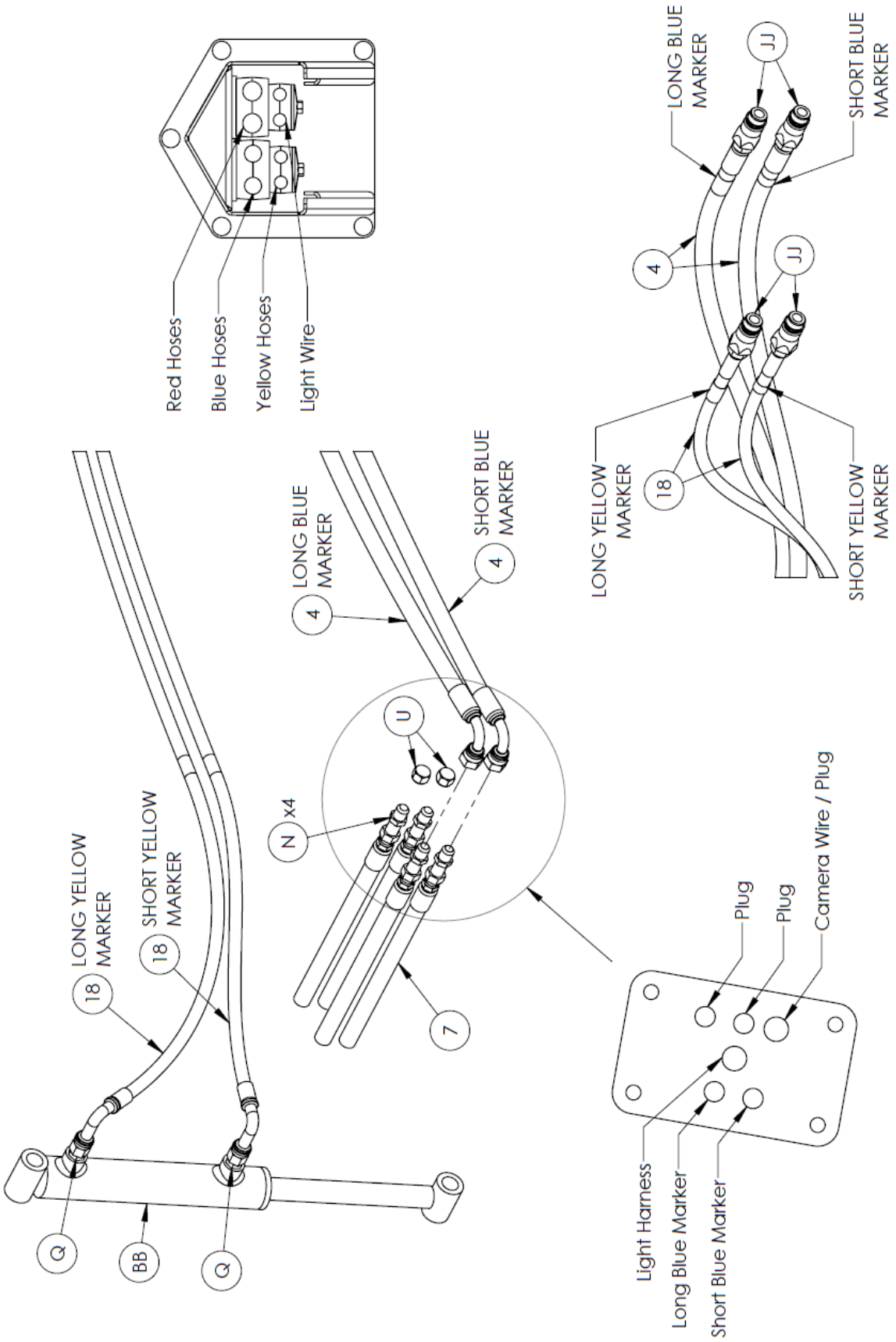
#	DIAM.	OVERALL LENGTH	ENDS	
1	1/2”	113”	8MB	8FJX
2	1/2”	15.5”	8FJX	8FJX
3	1/2”	11”	8FJX	8FJX
4	3/8”	122”	8MB	6FJX90
5	3/8”	120”	8MB	6FJX90
6	3/8”	112”	8MB	6FJX
7	3/8”	80”	6FJX	6FJX
8	3/8”	58”	6FJX	6FJX
9	3/8”	49”	6FJX	6FJX90
10	3/8”	37”	6FJX	6FJX90
11	3/8”	29-1/2”	8FJX	8FJX
12	3/8”	29”	6FJX	6FJX90
13	3/8”	28”	6FJX	6FJX90
14	3/8”	20”	6FJX	6FJX
15	3/8”	20”	6FJX	6FJX90
16	3/8”	16”	6FJX	8FJX
17	3/8”	14-1/4”	6FJX	8FJX
18	1/4”	147”	8MB	6FJX90 (LONG)
19	1/4”	20”	6FJX	6FJX90
20	1/4”	18”	6FJX	6FJX90
21	1/4”	24”	6FJX	6FJX90 (LONG)

NOTE: Quantities vary based on machine set-up. Hoses are not available for sale from Bridgeview. Use the information above to have replacement hoses made up locally.

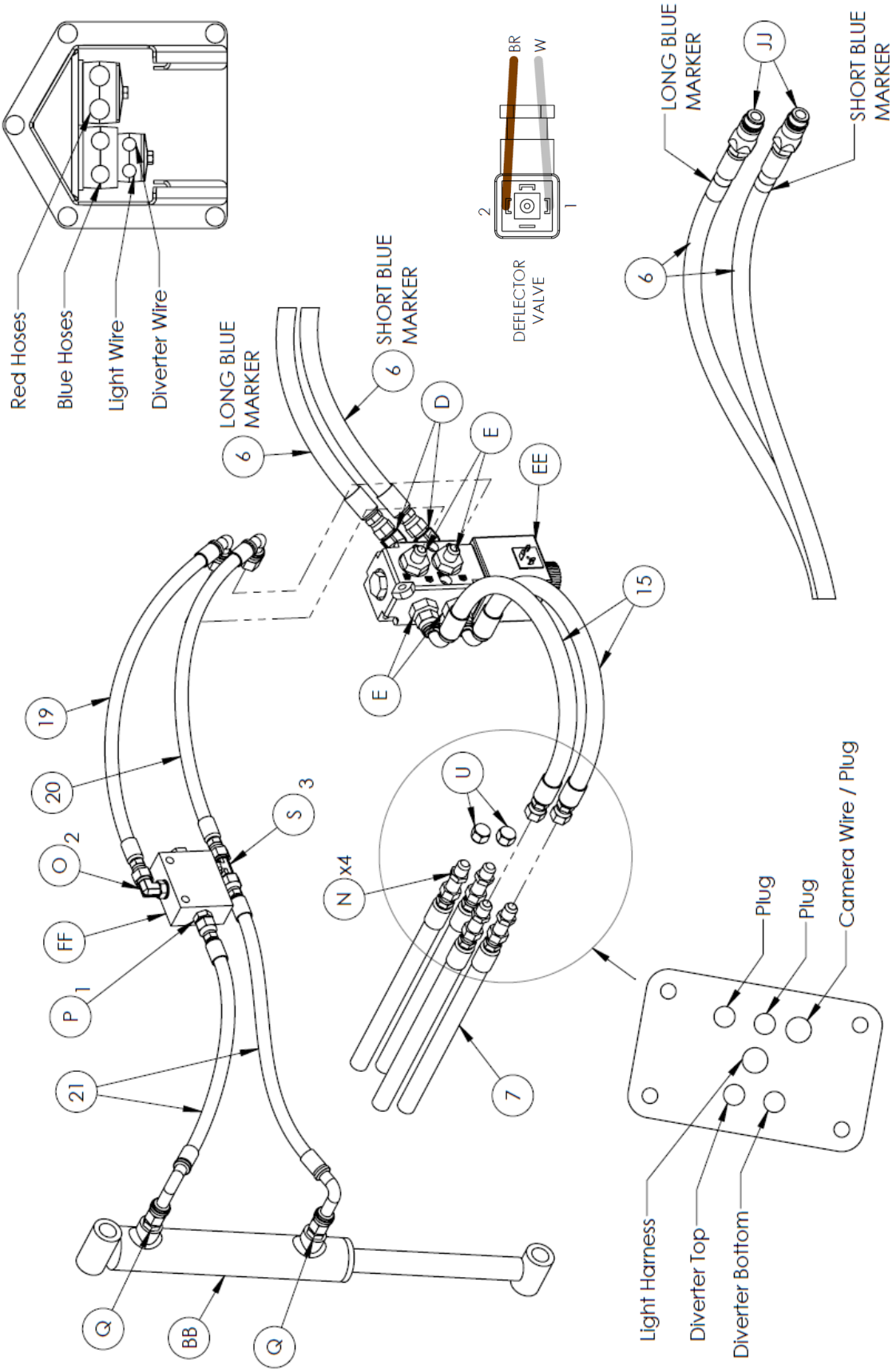
Front Panel – Chain Motor



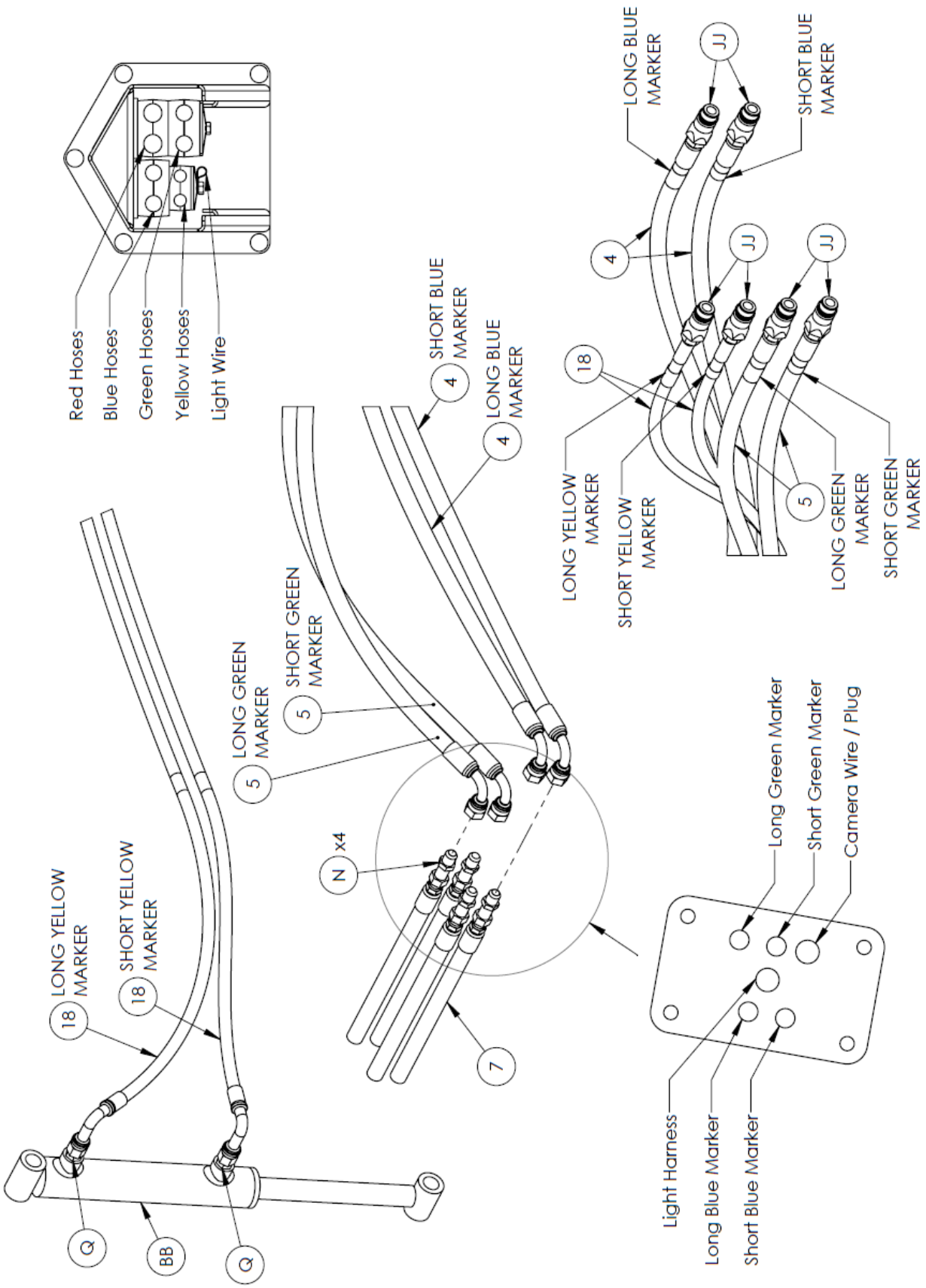
Front Panel – 7450 – 3 Remote



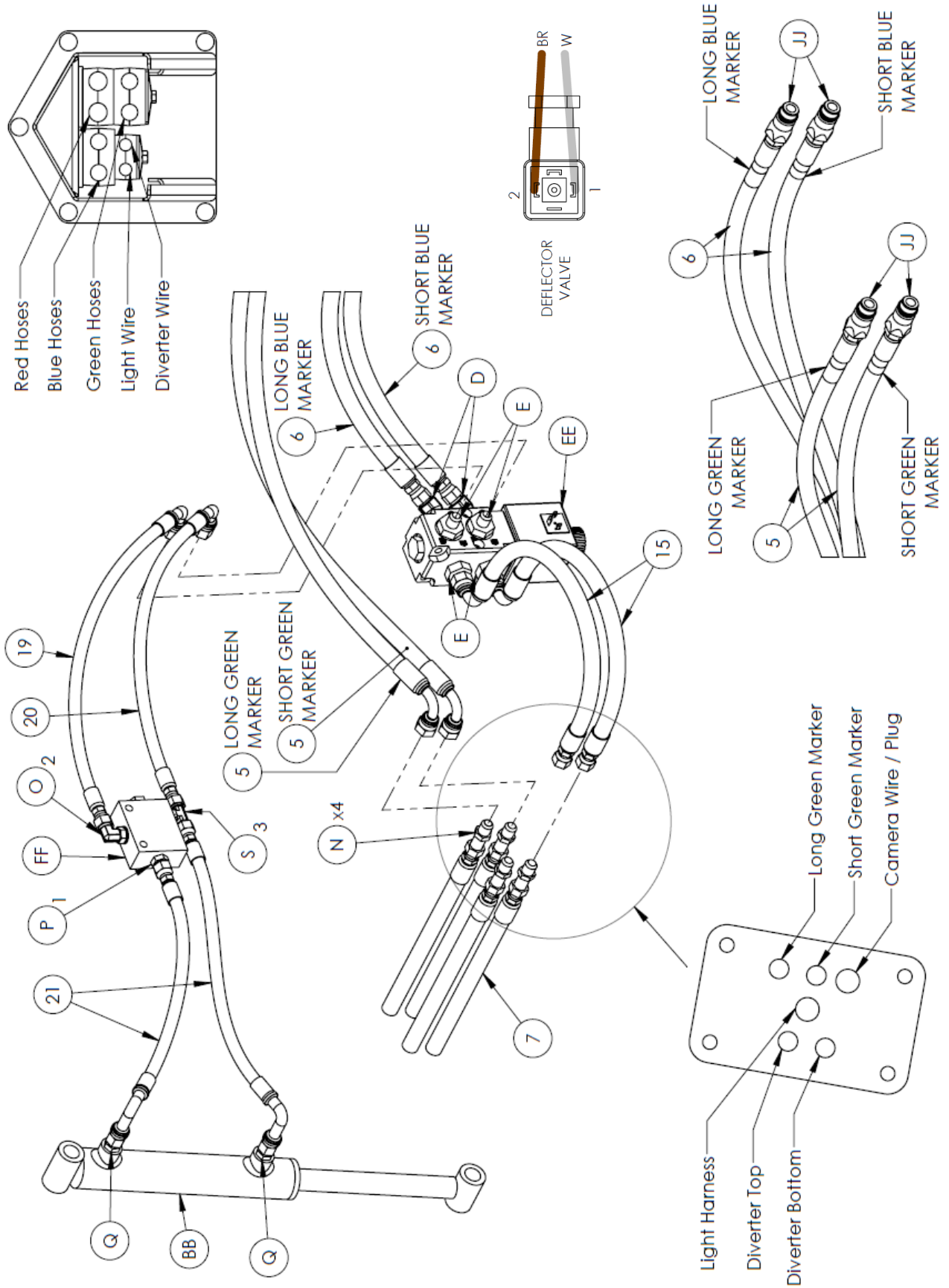
Front Panel – 7450 – 2 Remote



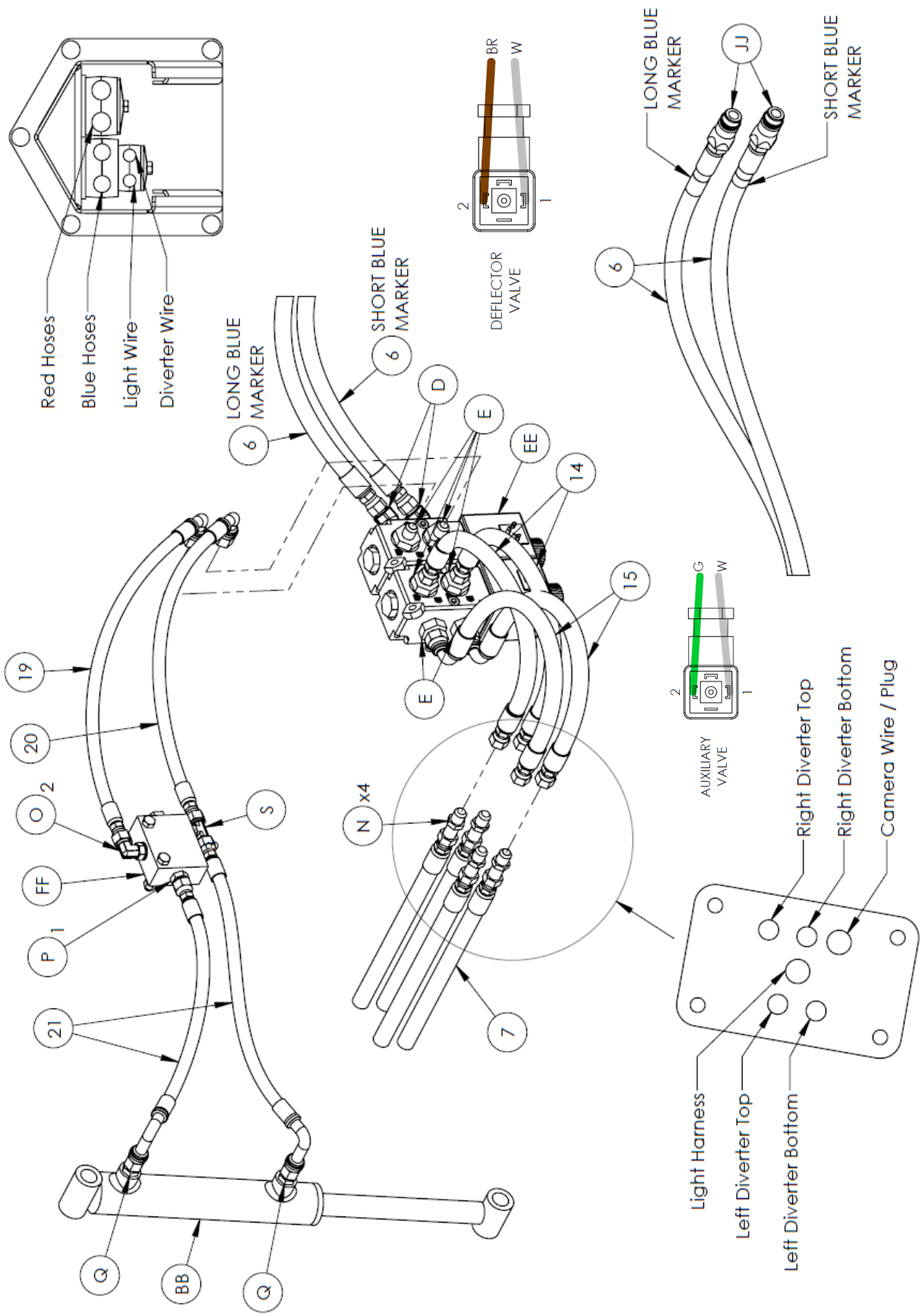
Front Panel – 7450X – 4 Remote



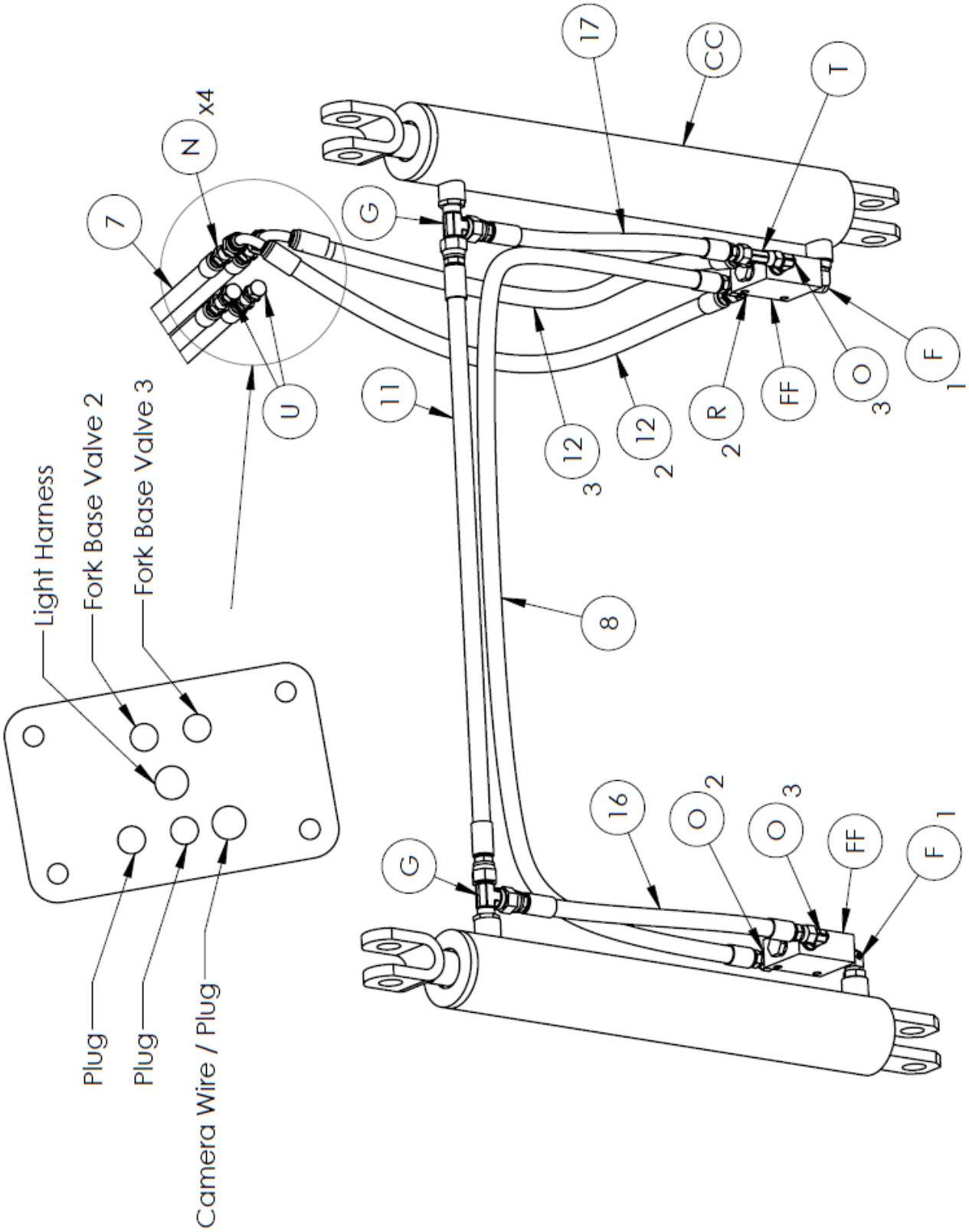
Front Panel – 7450X – 3 Remote



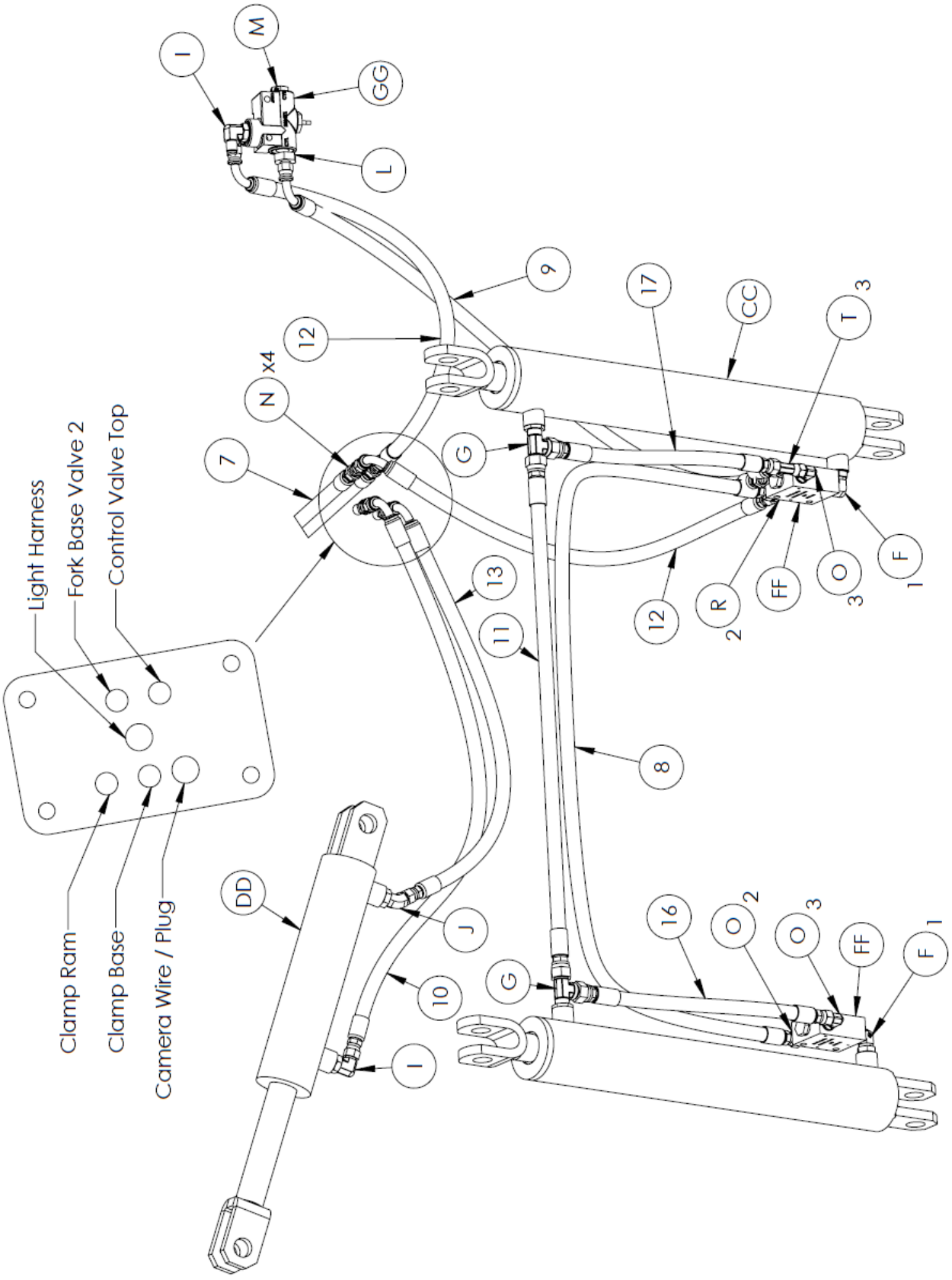
Front Panel – 7450X – 2 Remote



Rear Fork


17
CC
T
N x4
7
G
U
11
12
3
12
2
R
2
FF
O
3
F
1
8
Light Harness
Fork Base Valve 2
Fork Base Valve 3
Plug
Plug
Camera Wire / Plug
G
16
O
2
O
3
FF
F
1

Rear Fork & Three Bale Kit



NOTES