

T7170, T7270 and T7060 Ag-Baggers

(T7170 Ag-Bagger S/N 401054 -)

Operator and Parts Manual

(For Repair Parts, see Page 102)

Includes installation, operating, adjustment, maintenance, technical, repair parts and safety information for the T7270, T7170 and T7060 Ag-Baggers



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AB3171234 Rev A (24Apr23)



1 WARRANTY STATEMENT

Ag-Bag by RCI New Agricultural Equipment

Ag-Bag by RCI, LLC, hereinafter referred to as Ag-Bag, warrants new Ag-Bag by RCI Equipment, to the Original Retail Purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of sale.

Ag-Bag by RCI warranty includes:

Genuine Ag-Bag by RCI parts costs and labor required to repair or replace equipment at the selling dealer's business location.

AG-BAG BY RCI MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE), EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY STATEMENT.

AG-BAG BY RCI WARRANTY **DOES NOT** INCLUDE:

1. Transportation to the selling dealer's business location or, at the option of the Original Retail Purchaser, the cost of a service call.
2. Freight costs above standard shipping costs for the replacement parts.
3. Used equipment.
4. Components covered by their own non-Ag-Bag warranties, such as tires and trade accessories.
5. Normal maintenance service and expendable, high-wear items.
6. Sacrificial components designed to fail to prevent damage to other components when obstructions are encountered (i.e., shear bolts, rotor teeth)
7. Repairs or adjustments caused by improper use; non-intended use; failure to follow recommended maintenance procedures; use of unauthorized attachments; accident or other casualty.
8. Liability for incidental or consequential damages of any type, including, but not limited to lost profits or expenses of acquiring replacement equipment or damage to machines to which the attachment is installed.

No agent, employee, or representative of Ag-Bag by RCI has any authority to bind Ag-Bag by RCI to any warranty except as specifically set forth herein. Any of these limitations excluded by local law shall be deemed deleted from this warranty; all other terms will continue to apply.

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3 Marketing Bulletin

Model T7270, T7170 and T7060



The T7270, T7170 and T7060 Pull-Type Ag-Baggers feature increased capacity and many operational improvements. These improvements are based on dealer and customer input. The T7170 and T7270 feature a 9' or 10' tunnel. The T7060 features a 6', 8' or 9' tunnel.

Key Product Improvements:

1. Single Wider Conveyor
 - 12" Wider for more capacity
 - Taller sides for wind protection
 - Stainless, replaceable, reinforced floor
 - Increased reliability and less maintenance compared to previous split conveyor system
2. Revolutionary Rotor
 - Twice as many teeth with even spacing across entire rotor from center to sides
 - Smaller bites of forage for continuous flow across the face of the Ag-Bagger
 - Better compaction for increased density and feedstuff compaction into the Ag-Bag
 - Lower starting torque under load
 - Single point loading during revolution
 - 3-7/16" bearings at each end of rotor and jackshaft for durability and consistency
3. Forage Distributor
 - Distributes forage over the entire Revolutionary Rotor for faster unloading and increased capacity by even-filling of Genuine Ag-Bags
 - Hydraulically driven with adjustable positioning
 - Paddle tines at ends prevent crop build-up

4. Sweeping Tunnel Cleanout (T7270 and T7170)
 - Hydraulic cylinders sweep remaining crop into the Ag-Bag when finished
 - Reduces labor, time and plastic usage when finishing and starting a new Ag-Bag
 - Reduces forage loss and increases packing at the end of each Ag-Bag
5. Removeable Stripper Bar Plates
 - Bolt on design can be replaced as one complete plate or smaller sections
 - Ease of access to hardware with sweeping tunnel cleanout open
6. Middle Tunnel Extension (option)
 - Increase tunnel length by nearly 3 feet
 - Three tunnel pieces stack on each other for transport mode under 8'6" wide
 - In Ag-Bagging mode, tunnels are moved using lift system and pinned together quickly
 - Longer tunnel allows tough forages like alfalfa to be packed using tunnel for greater density and smoother sides before moving into the Genuine Ag-Bag
7. 300-Foot Cables Standard
 - Ability to fill and use 300-foot bags without using cable extensions
8. New Lift System for Bag Cradle and Tunnel Extensions
 - Stores Ag-Bags and tunnel extensions on machine without climbing on the machine
9. Redesigned Backstop Lifting Points and Backstop Hooks
 - Cradle can be used to lift backstop
 - Backstop can be lifted with multiple devices while staying away from backstop rope
 - Backstop hooks is redesigned for greater ease of rope installation
 - Backstop design is improved for increased durability
10. Hydraulic Tank Redesign
 - Larger tank for greater capacity and better cooling
 - Easier accessibility
11. Serviceability
 - Control station is in one location with all machine controls in one place
 - Oil bracket to store lubrication for chain maintenance
 - Easy to open shields for chain inspection
 - PTO shield movement – storage locking in transport
 - Integrated toolbox for convenience and storage
12. Transportation
 - Hitch design changes direction placing the tunnel on the side of the road to keep the tunnel out of the on-coming lane of traffic
 - Better visibility while maintaining the 8.6-foot travel width
 - Hitch safety chain is standard on all machines
13. Integrated Hydraulic Lift System (T7170 and T7270)
 - Hydraulic and manual jack system standard on all machines
 - Machine is lifted hydraulically to quickly change between transport and Ag-Bagging

Product Specifications

FEATURE	T7060	T7170 & T7270
DRIVE		
Tractor PTO RPM Rated Speed	540	T7170 - 540, T7270 - 1000
Gearbox	Heavy-Duty Comer Gearbox	Heavy-Duty Comer Gearbox
Drive Chain	Double 120 Roller Chain	Double 120 Roller Chain
Rotor Width	6'	7'
Number of Rotor Teeth	108	126
Rows of Rotor Teeth	3 - Revolutionary	3 - Revolutionary
Rotor Bearings (Both Sides)	Footed Spherical 3-7/16"	Footed Spherical 3-7/16"
Jackshaft Size and Bearings (Both)	Footed Spherical 3-7/16"	Footed Spherical 3-7/16"
CONVEYOR		
Single Wide Chain Conveyor with CA550 Chain	Standard	Standard
Hydraulic Conveyor Lift	Standard	Standard
HYDRAULICS		
Self-Contained Hydraulics	Standard	Standard
External Reservoir	Standard	Standard
Hydraulic Jack System	NA	Standard
CABLE AND BACKSTOP		
Cable Length (approximate)	300' Standard	300' Standard
Cable Brakes	Dual Disc Industrial Brake	Dual Disc Industrial Brake
Brake Hand Pump	Standard	Standard
Hydraulic Cable Rewind	Standard	Standard
Steel Backstop with Multiple Pick Points	Standard	Standard
Maximum Ag-Bag Length	300'	300'
TUNNELS AND EXTENSIONS		
6' Tunnel Top	Yes - Interchangeable	NA
8' Tunnel Top	Yes - Interchangeable	NA
9' Tunnel Top	Yes - Interchangeable	Yes- Interchangeable
10' Tunnel Top	NA	Yes- Interchangeable
6' x 34" Tunnel Extension	Standard with 6' Tunnel Top	NA
8' x 34" Tunnel Extension	Standard with 8' Tunnel Top	NA
9' x 34" Tunnel Extension	Standard with 9' Tunnel Top	Standard with 9' Tunnel Top
10' x 34" Tunnel Extension	NA	Standard with 10' Tunnel Top
8' x 34" Middle Extension	Optional	NA
9' x 34" Middle Extension	Optional	Optional
10' x 34" Middle Extension	NA	Optional
Sweeping Tunnel Cleanout	NA	Standard
BAG BOOM AND CRADLE		
Bag Boom with Brake Style Winch	Optional for 6' Tunnel - Standard for 8'/9'/10' tunnels	
Bag Cradle with Tunnel Lift Capability	Optional for 6' Tunnel - Standard for 8'/9'/10' tunnels	
INOCULANT APPLICATION		
Dry or Liquid	Optional	Optional
SPECIFICATIONS		
Overall Width (Transport)	8' 6"	8' 6"
Overall Width (Ag-Bagging)	20'	21'
Overall Length (Transport)	19' 2"	20' 2"
Overall Length (Ag-Bagging) (approx)	12' w/o Ext, 14' w Std Ext, 17' w/ Mid Ext	12' w/o Ext, 14' w Std Ext, 17' w/ Mid Ext
Overall Transport Height (for farm)	12' 6"	12' 6"
Overall Transport Height (from factory)	10' 6"	10' 6"
Overall Weight (w/9' Tunnel and Mid Ext, approx)	11,000 lbs	12,500 lbs
Tongue Weight (w/9' Tunnel and Mid Ext, approx)	1,600 lbs (Transport)	1,600 lbs (Transport)
Horsepower Minimum	100 hp	100 hp
Horsepower Maximum	170 hp	170 hp

Ordering Information:

Bundle	Description	Setup Time	Notes
T7270 / T7170	Model T7270/T7170 Pull-Type Ag-Bagger		
AB3170003	T7270 Base Unit (1000 RPM)	1.5 hrs*	1-3/8 21-Spl. 1000 RPM PTO Tractor
AB3170004	T7170 Base Unit (540 RPM)	1.5 hrs*	1-3/8 6-Spl. 540 RPM PTO Tractor
AB3170594	Bundle, Base Tunnel 9'		Includes Standard Extension
AB3170591	Bundle, Base Tunnel 10'		Includes Standard Extension
AB3170628	Bundle, 9' Middle Tunnel Extension w/Pins		
AB3170627	Bundle, 10' Middle Tunnel Extension w/Pins		
AB3171000	Kit, Gandy		
AB3171797	Yoke, T7270 Large 1000	0.5 hrs*	1-3/4 20-Spl - Dealer Installed
T7060	Model T7060 Pull-Type Ag-Bagger		
AB3170006	T7060 Base Unit	1.5 hrs*	
AB3170880	Bundle, T7060 8' and 9' Tunnel Completion		Includes Bag Boom and Lg. Backstop
AB3170877	Bundle, T7060 8' Tunnel		Incl. Std. Ext.; Req. Compl. Bundle
AB3170879	Bundle, T7060 9' Tunnel		Incl. Std. Ext.; Req. Compl. Bundle
AB3170889	Bundle, T7060 8' Middle Tunnel Extension		
AB3170890	Bundle, T7060 9' Middle Tunnel Extension		
AB3170876	Bundle, T7060 6' Tunnel		Includes 6' Backstop and 6' Std Ext
AB3171000	Kit, Gandy		

*Setup time may vary depending on technician experience.

To order, contact your local Ag-Bag by RCI Dealer. For a dealer locator, visit Ag-Bag.com. Dealers order all products from RCI directly. All parts, service and warranty matters are handled by RCI. Warranty for these products is 1 year of parts and labor as outlined in the Ag-Bag by RCI Warranty Statement. Visit www.RCIengineering.com for more product information, ordering, and additional information.



RCI Engineering LLC
 208 River Knoll Dr
 Mayville, WI 53050
 Toll free: (800) 334-7432
 Ag-Bag@RCI.ag
www.ag-bag.com
www.rci.ag

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4 SAFE OPERATION OF MACHINE

Operator Authorization

The machine owner must provide the operator of the machine this manual and ensure that the operator reads and understands the contents. This must be performed before the machine is put into operation.

Safety Alert Symbol



This safety alert symbol is used to alert the operator to the potential for personal injury. Whenever this symbol is noticed in this manual or on the machine, be alert to the situation and read the message near the symbol. Always be alert for the potential for personal injury.

General Safety Precautions / Accident Prevention

Before operation of the machine each time, check the entire machine for operational and road safety. Refer to the Operator Manual for the Tractor for all information regarding the Tractor. This manual is for the Ag-Bagger and only covers items related to the operation of the Ag-Bagger.

1. The warning and safety decals on the Ag-Bagger provide important information to ensure safe operation of the machine. Always read and follow these instructions and remain safe.
2. Familiarize yourself with all controls of the machine and tractor as well as the function of the unit before operation of the Ag-Bagger.
3. Check all guards and shields to make sure they are in place and functional. Replace any defective or missing guards, shields, or components before operation.
4. Avoid loose fitting clothing. The operator should always wear close-fitting clothing and sturdy footwear.
5. When traveling on public roads or transporting the machine, obey all regulations for the area. See the *Transporting the Ag-Bagger* section for more information on proper machine setup for transportation.
6. Before starting the tractor each time, the machine is operated, inspect the area around the machine. Ensure that no one is close to the machine for bystander safety.
7. Keep clear of the working and danger area of the machine.
8. Use caution when working on moveable components of the machine. There are many pinch and shear points.

General Safety Precautions / Accident Prevention Continued

9. Know how to stop Ag-Bagger operation BEFORE starting the machine.
10. DO NOT enter the conveyor or hopper while the machine is operating or any time the PTO is still connected to the tractor or before following the Power Shut Down Procedure on the next page.
11. DO NOT unclog, adjust, lubricate or service your Ag-Bagger until following the Power Shut Down Procedure on the next page.
12. Do not allow any riders on the machine nor step onto the machine during use.
13. Avoid high pressure fluids. Escaping fluid under pressure can penetrate skin causing serious injury.
14. Wear appropriate eye and hearing protection for the equipment being used.
15. DO NOT exceed a maximum towing speed of 25 mph (40 kph) while transporting the Ag-Bagger.
16. Reduce speed on rough or hilly surfaces.
17. Be extra careful when passing through tight areas such as farmyards, fence gates, or other confined quarters.
18. Always follow state and local regulations regarding use of the included safety chain, slow moving vehicle signs and transport lighting when towing any farm equipment on public highways.
19. Only operate the Ag-Bagger on level ground.
20. Be sure the tractor is in NEUTRAL, and the parking brake released, before beginning any Ag-Bagging operation after the Ag-Bagger is set up for Ag-Bagging.
21. Be sure the tractor wheels are pointed in a straight-ahead position while Ag-Bagging.
22. Do not turn the tractor and Ag-Bagger while Ag-Bagging.
23. Be sure the hitch jack locking pin is completely engaged and that the machine is properly blocked and prevented from rolling BEFORE disconnecting the Ag-Bagger from the tractor.



24. DO NOT stand between the tractor and Ag-Bagger when hitching or unhitching Ag-Bagger unless engine is stopped, and parking brake is engaged.
25. ALWAYS STAY CLEAR of cables, cable drums and backstop. Cables are under tension during Ag-Bagging Operations. A fast release of tension could have unexpected consequences.
26. ALWAYS stop Ag-Bagging operation and shut tractor off between loads if Ag-Bagger is to be left unattended.
27. NEVER use a PTO Spline Adapter. Failure to follow this precaution may result in machine damage, severe injury, or death. Use of an adapter will void warranty for the Ag-Bagger due to high potential for damage to the tractor PTO, PTO driveshaft or other Ag-Bagger components.
28. ALWAYS match the right tractor PTO spline and speed with the PTO driveshaft provided with the implement. This will assure proper geometry and operating speed.
29. NEVER cross over the top of the PTO shaft. NEVER touch the PTO shaft when the tractor is running. Failure to follow this precaution may result in severe injury or death.
30. NEVER operate 540 rpm implements at 1,000 rpm.
31. NEVER operate 1,000 rpm implements at 540 rpm.

Power Shut Down Procedure

Before cleaning, unclogging, adjusting, lubricating, or servicing this Ag-Bagger:

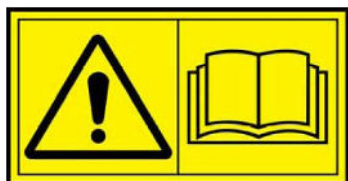
1. Disengage the tractor PTO.
2. Deactivate hydraulic controls.
3. Shut off the tractor engine, remove the ignition key, and take it with you.
4. Wait for all machine motion to stop.
5. Remove the telescoping PTO driveline and ALL power connections from the tractor.

Failure to follow these precautions may result in serious injury or death.

5 SAFETY WARNING SIGNS

Safety Messages

Whenever the words and symbols shown below are used in this manual or on the machine, the instructions **MUST** be followed as they relate to personal safety.



Safety Decal (1). Manual Reference. Before operating the machine, make sure to read this manual in it's entirety.



Safety Decal (2). This safety sign is a warning of missing shields, covers, or other components. Keep clear of this area and replace the missing components before operation. Consult the operator manual and parts pages to determine what components are missing and replace accordingly. Failure to do so may result in serious injury.



Safety Decal (3). Rotating parts hazard. This safety decal is a warning of moving and rotating parts. Keep all body parts and clothing a safe distance from the machine during operation. Shut off the machine before performing any service on the machine.



Safety Decal (4). Rotating and moving parts hazard. This safety decal is a warning of moving and rotating parts. Keep all body parts and clothing a safe distance from the machine during operation. Do not stand on components. Shut off the machine before performing any service on the machine.



Safety Decal (5). Entanglement hazard. This safety decal is a warning of rotating parts that may cause entanglement. Keep all body parts and clothing a safe distance from the machine during operation. Shut off the machine before performing any service on the machine.



Safety Decal (6). Auger or rotor entanglement hazard. This safety decal is a warning of rotating parts that may cause entanglement. Shut off the machine before performing any service on the machine in this area.



Safety Decal (7). This safety sign is a warning of injury due to high temperature surface. Keep away from this area when the machine is in use or has been used recently to avoid the hazard. Failure to do so may result in serious injury.



Safety Decal (8). This safety sign is a warning of injury due to escaping hydraulic fluid under pressure. Keep away from this area when the hoses have hydraulic pressure to avoid the hazard. Failure to do so may result in serious injury.



Safety Decal (9). This safety sign is a warning that the surface is not to be used as a step. To avoid the hazard, do not step on the surface. Failure to do so may result in serious injury.



Safety Decal (10). This safety sign is a warning of injury due to a pinch or shear point. Keep feet clear of this area to avoid the hazard. Failure to do so may result in serious injury.



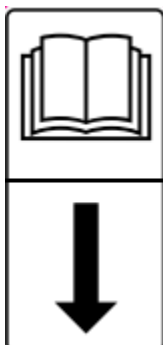
Safety Decal (11). This safety sign is a warning to NOT tow the implement over 25 MPH (40 kph). Keep towing speeds under this speed to avoid the hazard. Failure to do so may result in serious injury.



Safety Decal (12). This safety sign is a warning to keep the PTO speed at the rated speed of 540 RPM or 1000 RPM. Do not overspeed the implement to avoid the hazard. Failure to do so may result in serious injury and / or machine damage.



SMV - Slow Moving Vehicle Decal (14). This SMV decal must be visible on the back of the machine during road transport. See local DOT regulations for details.



Optimum Crop Flow Reminder. Located above the rotor in the hopper. See *Performance Optimization* section in this manual for more information.

6 SAFETY SIGN LOCATIONS

All decals shown in locations correspond to Safety Decals on previous pages.



Figure 1. Front View of Machine

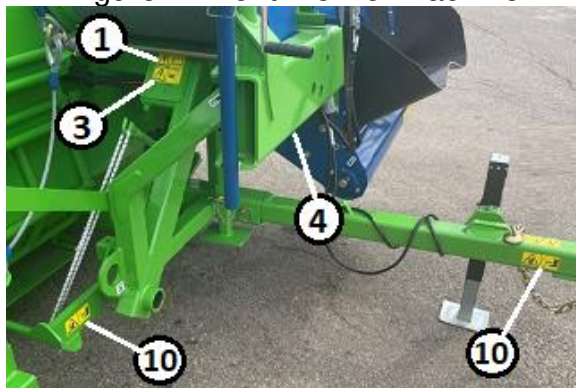


Figure 2. Hitch End of Machine

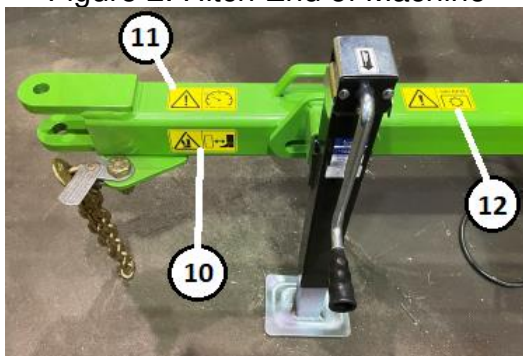


Figure 3. Hitch



Figure 4. Rear Corner View of Machine

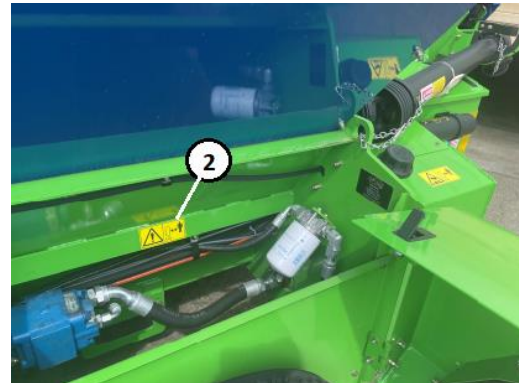


Figure 5. Service Compartment

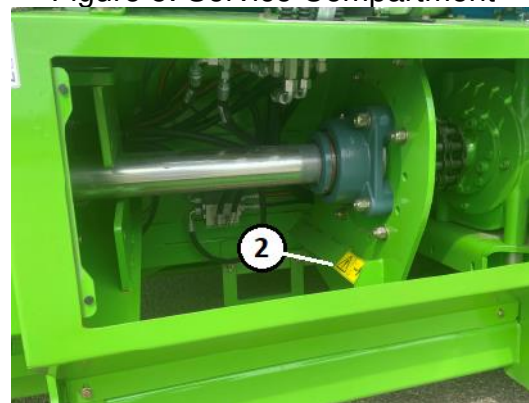


Figure 6. Driveline Compartment

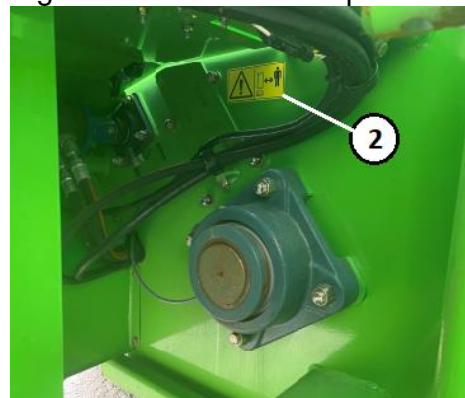


Figure 7. Rotor Idler End Compartment



Figure 8. Chain Conveyor Cleanout

7 COMPONENT LOCATIONS

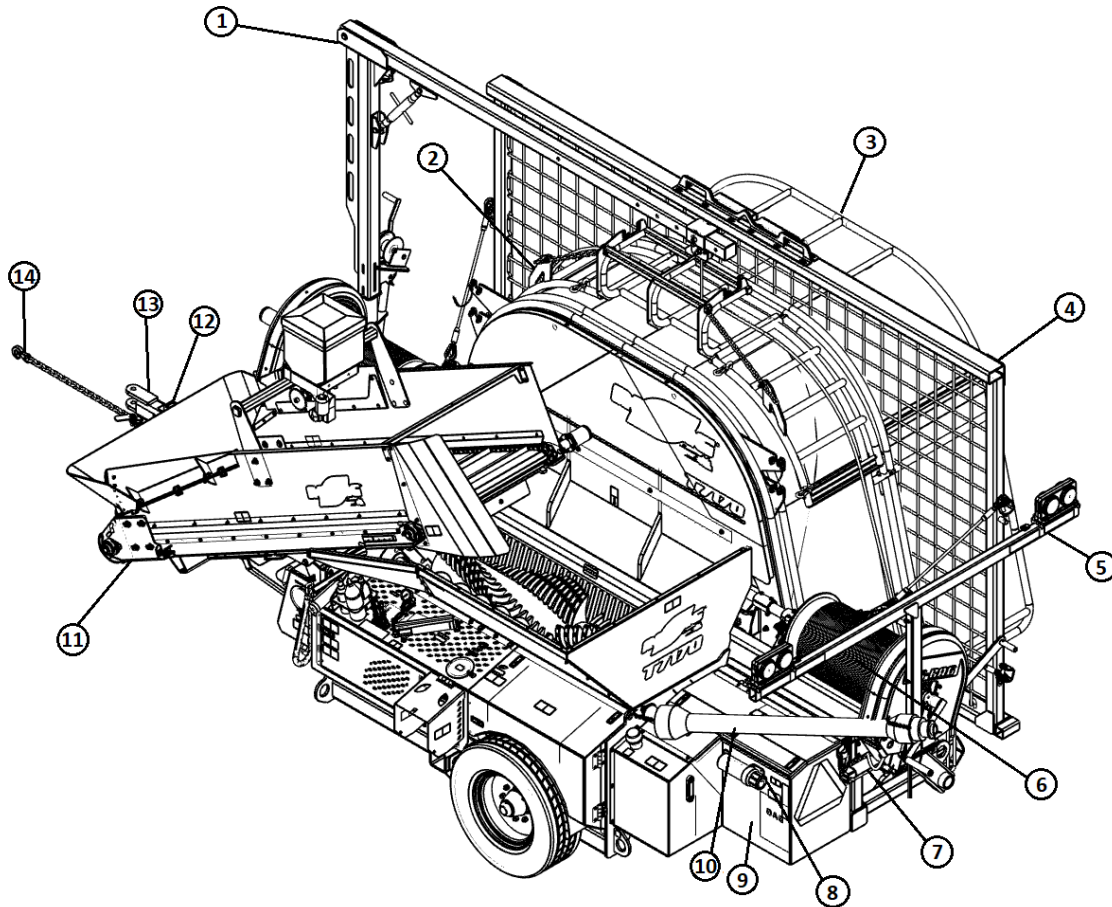


Figure 9. Ag-Bagger Shown in Transport Configuration with Tunnel Extension in Mounted Position (for clarity)

- Key 1 – Bag Boom Key 2 – Bag Cradle Key 3 – Tunnel and Extension
 Key 4 – Backstop Key 5 – Taillight Bar Key 6 – Cable Drum Key 7 – Lift Jack
 Key 8 – OM Holder Key 9 – Storage Compartment Key 10 – PTO Storage Location
 Key 11 – Conveyor Key 12 – Lift Jack Key 13 – Hitch Key 14 – Safety Chain



Figure 10. Operator Station
 Key 1–Oil Storage Key 2 - Control Levers
 Key 4 - Brake Hand Pump



Figure 11. S/N Tag Location (inside compartment)
 Key 1 – S/N Tag

8 Operating the Unit

Pre-Operation Checklist

The pre-operation checklist is provided for both personal safety and maintaining the mechanical condition of the Ag-Bagger.

Make sure each item on the list is checked prior to operating the Ag-Bagger each time.

- ☐ Check that the tractor is properly sized to operate the Ag-Bagger. Refer to *Machine Specifications* section.
- ☐ Check that the tractor is properly attached to the Ag-Bagger.
- ☐ Check that the PTO shaft is properly secured to the Ag-Bagger gearbox input shaft and the tractor PTO shaft.
- ☐ Check that the tires are properly inflated and installed properly. See *Tire Air Pressure* in *Lubrication and Maintenance* section for specification.
- ☐ Lubricate, grease, and check all fluid levels. Refer to the *Lubrication and Maintenance* section of this manual.
- ☐ Check that the grease gun has adequate grease and that a full oil bottle is in the holder at the operator area near the Ag-Bagger controls.
- ☐ Check the inoculant applicator (if equipped). Make sure it is properly connected and filled.
- ☐ Check all safety shields and guards are closed and secured in place.
- ☐ Check the rotor, conveyor, hopper, and tunnel cleanout (if equipped) to ensure there are no foreign objects.
- ☐ Check the tunnel cleanout is completely closed.
- ☐ Check the conveyor chain for correct tension.
- ☐ Check if tunnel extension(s) is (are) properly installed.
- ☐ Check each brake disc. Each disc must be clean and rust free. Clean as needed.
- ☐ Check the cables to ensure they have no damage and are properly wrapped on the cable drums.
- ☐ Check all hydraulic lines, hoses, and fittings for leaks and tightness.
- ☐ Check that the bag cord, bag ban cords, and backstop rope are all in good condition and properly installed.
- ☐ Check that the bag boom is properly adjusted for height and pulley position. See *Bag Boom* in the *Adjustments* section.
- ☐ Check that the hydraulic lift jacks are in the raised position for storage and that the lockout is used. See *Hydraulic Lift Jack Operation* section.
- ☐ Check that the machine is clean and free of any debris.
- ☐ Check that this Operator Manual is present in the Operator Manual holder on the Ag-Bagger.

Backstop Setup

Place the Ag-Bagger where the bag will begin.

Release the cable drum brake pressure by opening the needle valve and the hand pump valve. See Figure 12.

Unhook the backstop slings from the cables at each side of the machine.

Remove the pins that retain the backstop to the support feet.

Keep the stabilizer arms attached between the backstop and the main frame until a lifting device is attached.

See Figure 13.



Figure 12. Brake System Control

Key 1 – Hand Pump

Key 2 – Pressure Gauge

Key 3 – Needle Valve

Key 4 – Pump Valve



Figure 13. Backstop Storage Position

Key 1 – Backstop Key 2 – Pin

Key 3 – Backstop Sling and Cable

Key 4 – Stabilizer Arm

There are several lifting methods (Fig. 14) available to move the backstop from storage position to Ag-Bagging position:

- Bag boom cradle (Figure 15)
 - Reverse boom and use tube at front of cradle at hooks on back side of backstop
- Forks
 - Use skid steer or telehandler with forks in fork loops at top from rear
 - Use single fork in pocket from end of backstop
- Bucket edge
 - Use bucket edge at 4 hooks at rear of backstop
- Bag boom hook
 - Using a ladder, safely access single hook point at bag cradle and secure to the hook in the center of the backstop
- Manually
 - With the help of an assistant, manually lift each end down to ground, 1 side at a time.

Using one of the methods above, lift the backstop gently to support the weight of the backstop so it is secure and stable.

Remove the stabilizer arm at each side of the backstop and secure to the backstop in storage position with pin.

Using the lifting device, remove the backstop and move the Support Feet at the bottom of the tunnel to the pockets at backstop, with the tabs to the rear.

Install the pins back into the tabs at the support feet. Install the tunnel pins for the support feet in the handles of the support feet pins. See Figure 16.

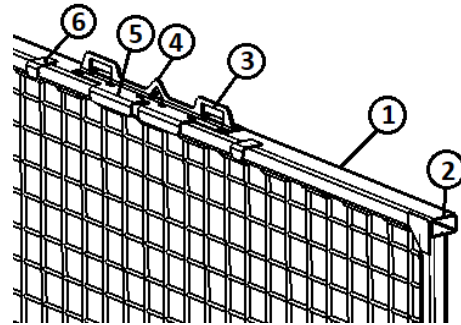


Figure 14. Backstop Lifting
 Key 1 – Backstop Key 2 – Fork Pocket
 Key 3 – Fork Loop
 Key 4 – Single Hook Point
 Key 5 – Bag Cradle and Bucket Hook
 Key 6 – Bucket Hook



Figure 15. Backstop with Cradle
 Key 1 – Cradle Key 2 - Backstop

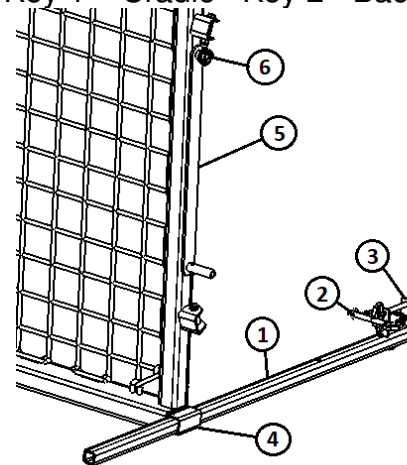


Figure 16. Backstop in Use
 Key 1 – Support Feet Key 2 – Pins
 Key 3 – Tabs Key 4 – Pockets
 Key 5 – Stabilizer Arm Key 6 - Pin

Moving Wheels to Ag-Bagging Position and Connecting Tractor

NOTE:

Backstop must be placed at the starting position of the bag. Ag-Bagger must be on a firm, level site to move wheels and hitch.

IMPORTANT:

Site for moving wheels must be level to prevent Ag-Bagger from rolling when unhitched from the towing vehicle. Ground conditions must be firm to prevent lift jacks from settling during wheel removal.

Remove the pin and rotate the lift jack on the tow hitch to the down position. Fasten the lift jack to the hitch in the down position for lifting.

Remove the machine from the towing vehicle. Lower the jack stand to the highest position possible for the current hitch height.

Lower the hitch to rest the machine on the jack stand and remove all pressure on the lift jack.

Remove the lift jack from the hitch.

Remove the cross pin on the hitch and remove the hitch from the machine.

Relocate the hitch to the Ag-Bagging side of the machine and reinstall with cross pin. Handles are provided for ease of moving the hitch.

Install lift jack on hitch and raise to appropriate height for the tractor.

See Figures 17 and 18.

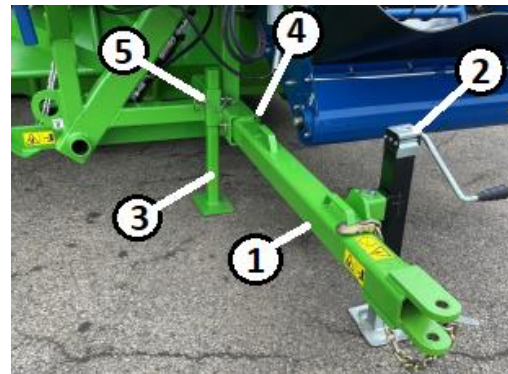


Figure 17. Hitch in Transport Position

Key 1 – Hitch Key 2 – Lift Jack

Key 3 – Jack Stand

Key 4 – Hitch Cross Pin

Key 5 – Jack Stand Cross Pin

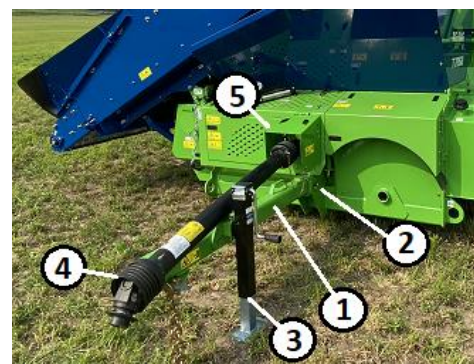


Figure 18. Hitch in Ag-Bagging Position

Key 1 – Hitch Key 2 – Hitch Cross Pin

Key 3 – Lift Jack

Key 4 – PTO Tractor End

Key 5 – PTO Shield

Install tractor on Ag-Bagger and install appropriately sized hitch pin. Turn tractor off, ensure in park, and remove key.

For the T7270 and T7170, remove lift jack, rotate 90 degrees and place into transport position on the hitch using cross pin provided.

For the T7060, or to use manual lifting, install the lift jack at the towing hitch end wheel lift position. Move the second lift jack from storage position to the wheel lift position at the back side of the machine.

Remove the PTO shaft from the storage position and install between the tractor and the Ag-Bagger.

Push all the way on each shaft and then release the locking collar to lock in place. Ensure that the PTO shaft is locked onto both the gearbox input shaft and the tractor PTO shaft.

Release the rubber latch and lower the PTO shaft guard down to the operating position over the gearbox end of the PTO shaft. Attached the anti-rotation chain of the PTO shield to the slot provided in the cover. Attach the other anti-rotation chain at the tractor end to the tractor as available. See Figure 19.

For the T7060 and for manual raising, use the jacks to lift the wheels at the rear wheel drops. One jack is from the hitch and the other is stored at the near the storage compartment. See Figures 20 and 21.

For the T7060, skip the next steps until indicated.

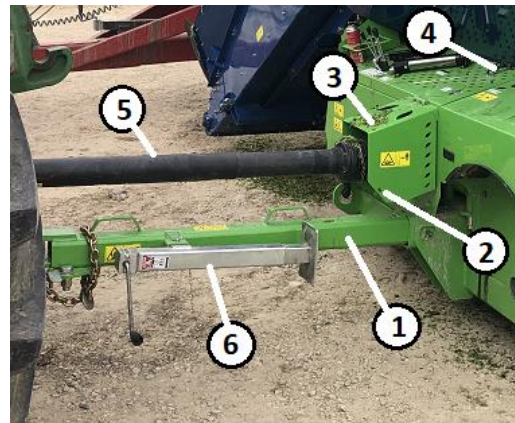


Figure 19. Hitch on Tractor
Key 1 – Hitch Key 2 – PTO Chain
Key 3 – PTO Guard
Key 4 – Rubber Latch Key 5 - PTO

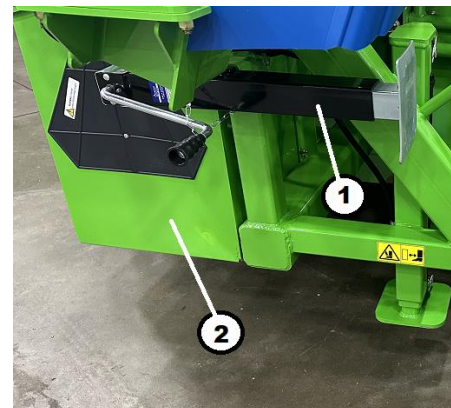


Figure 20. Lift Jack Storage
Key 1 – Lift Jack
Key 2 – Storage Compartment (ref)



Fig. 21. Lift Jack Usage
Key 1 – Wheel Drop Key 2 – Cross Pin
Key 3 – Lift Jack

For the T7170 and T7270, clear the area of bystanders, check that all previous steps are complete, and safely start the tractor and start the PTO at low idle.

Keeping the tractor in park and at low idle, go to the operator station at the Ag-Bagger and activate the lever for machine lift. See Figure 22.

As the lever is pushed to raise the machine, the lift pads in the rear will lower to the ground and then raise the machine.

Raise the machine enough to have clearance to remove the front tire (near the gearbox).

Return the lever to the neutral position and return to the tractor. Turn off the PTO, shut off the engine, keep the tractor in park and remove the key.

For all models, move the wheel and spindle assemblies from the transport position to the Ag-Bagging position.

Each wheel is held in position with a cross pin with a lynch pin in the end as a retainer. Remove the lynch pin and cross pin.

Move the wheel and spindle assemblies to the bagging position at the tunnel side of the machine. Install the spindle into the tube cross hole and align the hole. Install the cross pin and the lynch pin for a retainer.

Repeat at each end of the machine.

See Figures 23 through 25.



Figure 22. Operator Controls
Key 1 – Machine Lift / Lower Lever

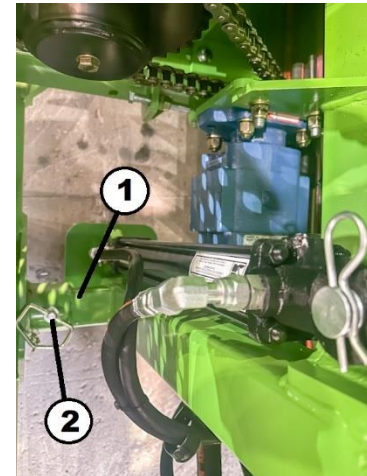


Figure 23. Left Side Spindle Removal
Key 1 – Spindle Assembly Key 2 – Pin

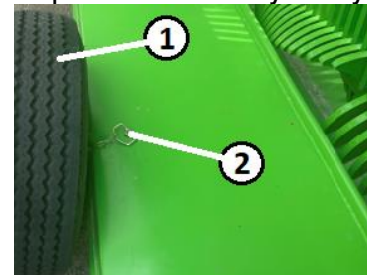


Figure 24. Right Side Spindle Removal
Key 1 – Spindle and Tire Assembly
Key 2 – Pin

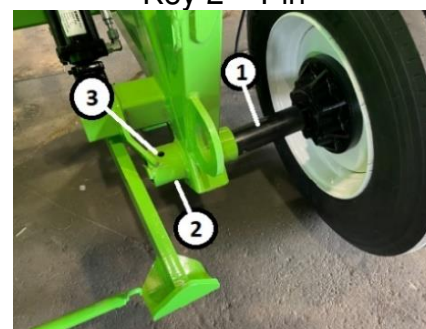


Figure 25. Spindle Install for Ag-Bagging
Key 1 – Spindle and Tire Assembly
Key 2 – Tube Key 3 – Cross hole

For all models, fully raise the jack stand at the towing hitch end of the machine. Secure the jack stand in the raised position with the cross pin and lynch pin.

See Figure 26.

For the T7060, use the lift jacks to lower the machine down to the ground and remove the pressure from the lift jacks.

Return one jack to the storage location beneath the light bar at the rear of the unit.

Return the other jack to the side of the hitch in a horizontal position.

Secure each jack with the attached cross pin.

See Figures 27 and 28.

For the T7170 and T7270, ensure that all shields are closed on the machine. Clear the area of bystanders. Return to the tractor. Safely start the tractor and start the PTO at low idle while keeping the tractor in park.

Return to the operator station of the Ag-Bagger.

Activate the lever for machine lowering. The lift arms will raise, and the machine will lower to the ground. Continue raising the lift arms for approximately 10 seconds to ensure they are raised fully to the storage position. Return the lever to neutral.

See Figure 22 on previous page.

Return to the tractor. Turn off the PTO, shut off the engine, keep the tractor in park and remove the key.



Figure 26. Jack Stand Raising
Key 1 – Jack Stand
Key 2 – Cross Pin



Fig. 27. Lift Jack Usage (T7170 Shown)
Key 1 – Wheel Drop Key 2 – Cross Pin
Key 3 – Lift Jack

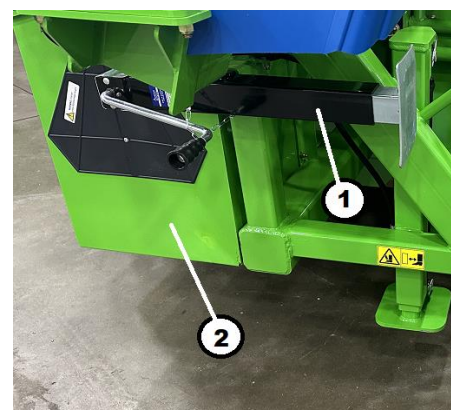


Figure 28. Lift Jack Storage (T7170)
Key 1 – Lift Jack
Key 2 – Storage Compartment (ref)

Hitch Adjustment

The machine must be adjusted at the hitch to be level or have the tunnel end of the machine lower than the hitch end of the machine.

The tunnel end of the machine should never be higher than level. Failure to do so will result in poor bagging performance.

To adjust the hitch, remove the bolts shown in Figure 29 and move the hitch to the desired height to level the machine.

Reinstall the hitch and tighten hardware properly.

If a tractor with a hammer strap on the hitch is used, the lower portion of the hitch can be removed by removing the bolt. See Figure 30.

The leveling of the machine will result in proper bag formation at the end of the tunnel as shown in Figure 31.

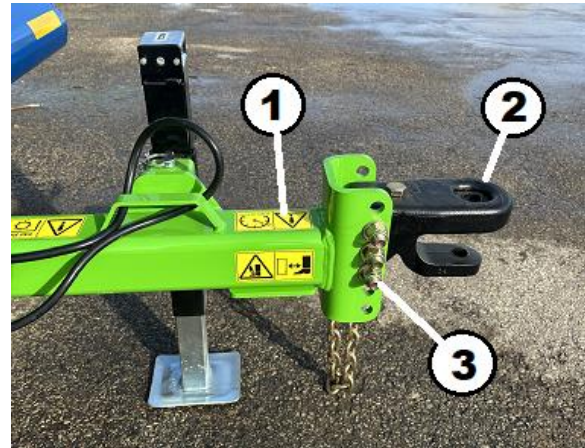


Figure 29. Hitch Adjustment
Key 1 – Hitch Frame
Key 2 - Hitch Key 3 – Bolt

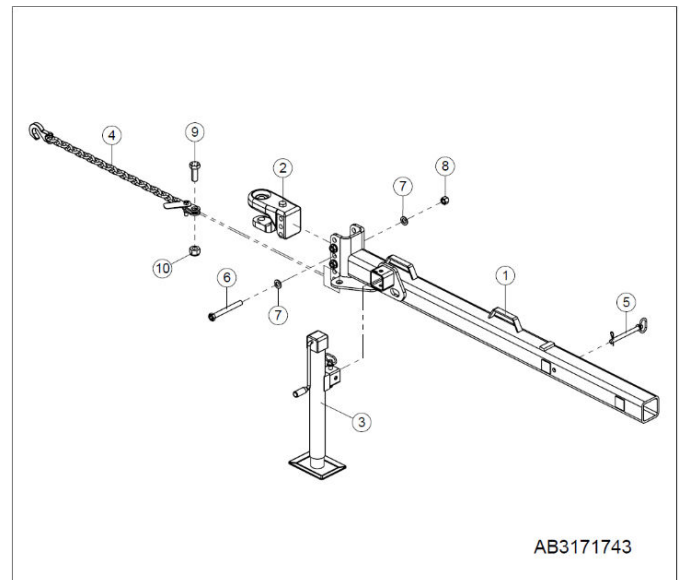


Figure 30. Hitch Parts
Key 2 – Lower Hitch Bolt



Figure 31. Proper Leveling of Unit

Inoculant Applicator Connection

Connect the inoculant applicator electrical supply to a 12-volt source on the tractor.

Consult your local Ag-Bag dealer and the tractor Operator Manual for specific installation and operation instructions.

Bag Boom Adjustment

The bag boom is adjustable for height, handle position and pulley position.

The boom can be adjusted down to rest the tube on top of the bag cradle for transport.

When in use, it can be adjusted up to allow for better handling of the bag cradle, tunnels, and backstop.

Typically, higher bag boom positions will allow for easier handling of attachments.

Adjust the turnbuckle to adjust the bag boom. Do not overextend the turnbuckle in adjustment beyond the specification.

SPECIFICATION:

Bag Boom Turnbuckle Maximum Length
(Measured pin-center to pin-center, Fig. 32, Key 2)

31" (78 cm)

See Figure 32.

The pulley is aligned to the center of the bag cradle when in Ag-Bagging position.

Typically, the pulley will be in the end hole for larger tunnels and the first or second inside

The pulley is adjusted by using the cross pin and selecting a hole.

The handle is also adjustable and serves as a locking device for the bag boom in transport position by locking into a position on the frame. Use the cross pin at the handle to secure the handle up or down.

Always keep the hook of the cable attached to the machine and the cable tensioned for transport. Secure any loose components to the machine properly in transport.

Be aware of bystanders during operation and adjustment of the bag boom.

IMPORTANT:

1. Do not adjust the bag boom under load.
2. Do not overextend the turnbuckle.
3. Do not climb on machine to adjust the bag boom. With the help of an assistant, safely use a step ladder to access the components.
4. When adjust the turnbuckle, lock the part in place with the locking plate.

Failure to do so may result in machine damage or personal injury.

See Figure 32.

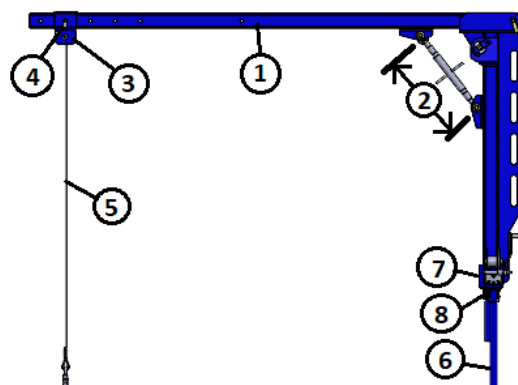


Figure 32. Bag Boom

Key 1–Boom Key 2–Turnbuckle Length
Key 3 – Pulley Key 4 – Pulley Cross Pin
Key 5 – Cable Key 6 – Handle
Key 7 – Winch Key 8 – Handle Pin

Tunnel Extension Installation

The tunnel extensions are stored above the main tunnel for transport. These extensions are pin-on using pins provided with the machine. It is recommended to use the help of an assistant for this operation.

The bag cradle is used in a raised position to lift the extensions from their storage location to be installed on the main tunnel.

With the cradle resting on the extension in storage, flip the angles at the bottom over center and under the hook points on the tunnel extension. See Figure 33.

Once flipped, crank the bag boom cable winch to take the weight of the extension. Remove the pins at the storage location. Place the transport brackets into the toolbox. See Figure 34.

Raise the tunnel extension approximately 3" (75 mm). Swing the bag boom and tunnel around until the tunnel is in the approximate use location.

NOTE:

Some models and configurations have an option for a middle extension to lengthen the tunnel further. The middle extension stores in the top storage position. The outer extension always stores in the lowest storage position.

Starting with a side pin on the extension, adjust the cable winch and boom position until a side pin starts in a hole on the base tunnel.

Next, adjust the extension until the top pin aligns with the hole in the top center. Then pull or push on the remaining side of the tunnel to align the other side pin.

Push the extension into position and install the previously removed pins at the base tunnel where the extension is installed. The hitch pin clips are not used at the tunnel extension when installed as they may interfere with the plastic of the bag. Pins are self-retaining with long length to remain installed when in Ag-Bagging position. See Figure 35.

For the T7060, when using the 6-foot tunnel in grains, do not use extensions. Also, the bag cradle is not compatible with the 6-foot tunnel. Extensions are lifted by hand with the help of an assistant.

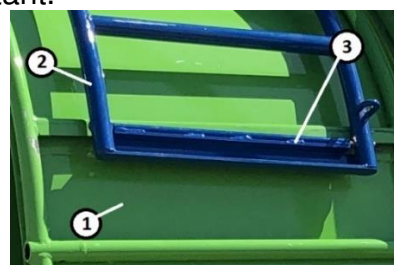


Figure 33. Cradle Hook
Key 1—Ext. Key 2—Cradle Key 3—Hook

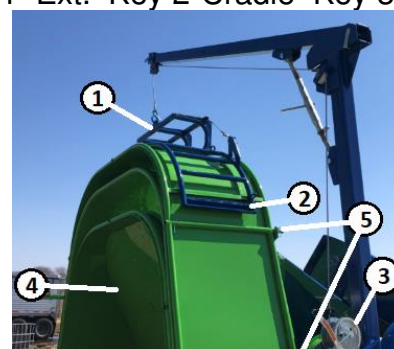


Figure 34. Tunnel Extension Lift
Key 1—Cradle Key 2—Hook Key 3—Winch
Key 4 – Base Tunnel Key 5 – Pins

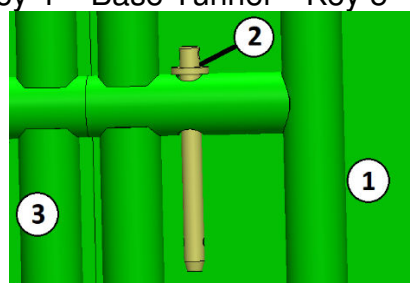


Figure 35. Pin Installation
Key 1—Tunnel Key 2—Pin Key 3—Ext.

Bag Identification

Only use genuine Ag-Bag bags. They are designed to fit and function properly.

The bag size is indicated on the box. Verify the bag is the correct size for your Ag-Bagger and tunnel.

Locate the arrow on the side of the box. Always make sure it is pointing towards the Ag-Bagger.

IMPORTANT:

Be sure to select the best surface for bag placement. Refer to the *Performance Optimization* section of this manual.

See Figure 36.

Bag Installation

IMPORTANT:

Only use Ag-Bags that are the proper size for your model and tunnel. ALWAYS follow the instructions provided with the Ag-Bag. This section is only provided as a reference of best-practices for installing an Ag-Bag. ALWAYS take care to prevent damage to the Ag-Bag.

Lower the bag pan by unhooking the bungee cords at each side of the tunnel and allow the bag pan to rest on the ground. See Figure 37.

Using the winch on the bag boom, lower the bag cradle to the ground fully.

Align the Ag-Bag box with the back of the tunnel such that the arrow on the box is pointing towards the tunnel.

Cut the plastic bands from the box and remove the outer lid. See Figure 38.



Figure 36. Ag-Bag Identification
Key 1 – Ag-Bag Size Key 2 - Direction



Figure 37. Bag Pan Bungee Cord
Key 1 – Cord Key 2 – Bag Pan Hook



Figure 38. Ag-Bag Box
Key 1 – Arrow Location
Key 2 – Plastic Bands
Key 3 - Lid

DO NOT remove the ties around the Ag-Bag until the Ag-Bag is on the tunnel. Remove the inner shell and the box will flatten.

Unfold the bag. Lift the top half of the bag and place it on the bag cradle. Use the winch on the bag boom to raise the Ag-Bag and cradle. See Figure 39.

Remove the top three strings over the bag at the top by the bag cradle. This will allow for the other strings to be reached from the ground once the Ag-Bag is installed on the tunnel.

Place the Ag-Bag bungee cord over the bag on the cradle and fasten the 4 retaining ropes to the hoops on the cradle such that the bungee cord will rest to the rear of the Ag-Bag when bagging. See Figure 40.

Crank the bag boom winch up until the cradle is above the tunnel. Carefully work the Ag-Bag around the tunnel, making sure the bag maintains its flat appearance and is flat between the tunnel and the bag pan.

Lower the cradle until it is resting on top of the tunnel. The cradle must rest on the tunnel and not on the tunnel extension.

The cradle must rest between the pipes on the top of the tunnel. See Figure 41.

Once the cradle is in place and the Ag-Bag is aligned, remove all the remaining ties that hold the Ag-Bag folds together.

Start to pull the plastic all around the tunnel approximately 36". Install the bungee cords supplied with the Ag-Bagger.

NOTE:

DO NOT roll the Ag-Bag while placing on the tunnel. Keep the folds flat. Ag-Bag damage may occur when Ag-Bagging if the Ag-Bag is not flat.

CAUTION:

Caution should be used when moving Ag-Bags. Weight of Ag-Bags can be over 400 pounds (180 kg), depending on size of Ag-Bag.



Figure 39. Bag Installation on Cradle



Figure 40. Bungee Retaining String (shown in final position for reference)
Key 1–Bag Cradle Key 2–Strings
(2 strings per side of bag cradle)

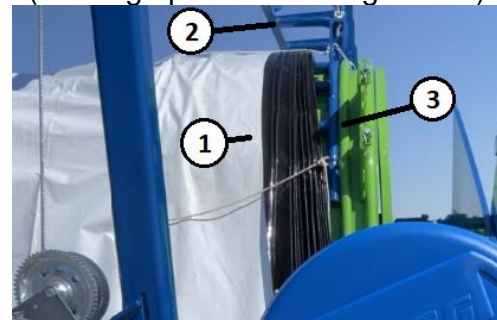


Figure 41. Cradle Rest Position
Key 1 – Bag Key 2 – Bag Cradle
Key 3 – Tunnel Pipes

Take the ends of the tunnel bungee cord that is tied to the bag cradle and connect to the bag pan hooks on each side of the tunnel.

Check that the tunnel bungee cord support ropes are evenly spaced and aligned parallel to the Ag-Bag.

The purpose of the support ropes is to keep the tunnel bungee cord from following with the bag as the bag is fed off the tunnel.

Lift the bag pan and hook the two bag pan bungee cords between the bag pan and the hooks on the frame.

The bag pan raised position is adjustable using the stop bolts at the hinge point for the bag pan.

Measure the bag pan clearance to the tunnel floor. Adjust the stop bolts as needed to achieve the specification.

SPECIFICATION:

Bag Pan Clearance to Tunnel Floor
(Raised position.)

3/4 in. (19mm)

See Figures 42 through 45.

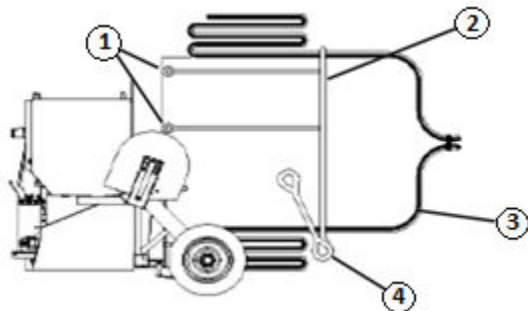


Figure 42. Proper Cord Arrangement
Key 1 – Loops at Bag Cradle
Key 2 – Tunnel Cord Key 3 – Ag-Bag
Key 4 – Bag Pan Bungee Cord

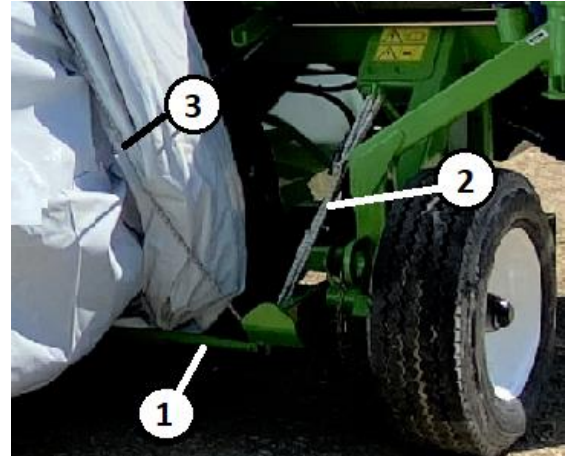


Figure 43. Bag Pan Bungee Cord
Key 1 – Bag Pan Key 2 – Cord
Key 3 – Tunnel Cord

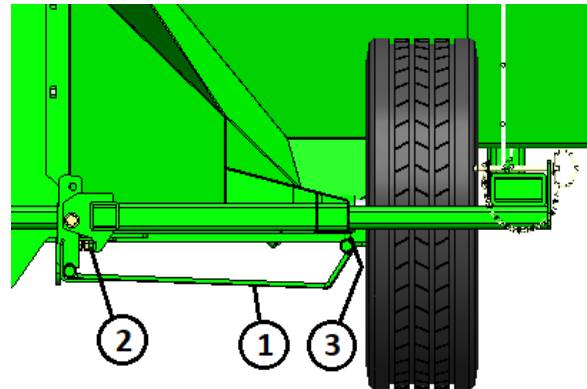


Figure 44. Bag Pan Adjust Location
Key 1 – Bag Pan Key 2 – Adjustment
Key 3 – Specified Gap

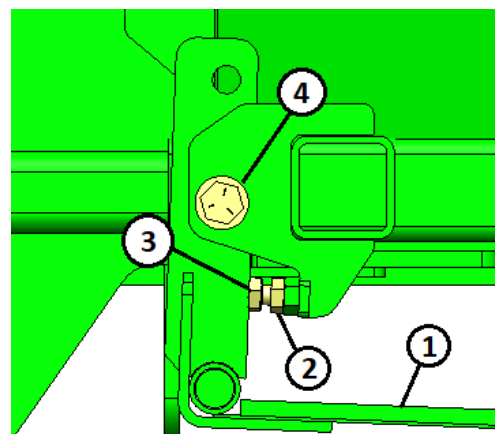


Figure 45. Bag Pan Adjustment
Key 1 – Bag Pan Key 2 – Jam Nut
Key 3 – Stop Bolt Key 4 – Hinge Point

Seal the Beginning End of the Ag-Bag

Pull enough bag to apply the seal. Pull from the inside folds, not the outside folds.

The white surface should be to the outside and the black is to the inside.

Make sure the bag is pulled under the bungee cord.

Seal the end of the bag using one of the two following methods.

A. Master Seal®

Follow the instructions that are included with the Master Seal.

Master Seal and tool are available from your Ag-Bag dealer.

See Figure 46 for part numbers for the Ag-Bag size used.

See Figure 47 for diagram of installation concept.

B. Double-Knot Tie

Find the end of the Ag-Bag gather the ends of the Ag-Bag to the center.

Twist the Ag-Bag and tie it tight.

Leave enough of the Ag-Bag to fold over and tie a second time giving the Ag-Bag an airtight seal.

See Figures 48 and 49.

Slide the excess Ag-Bag back onto the tunnel and bag pan.

Position the knot approximately knee-high.

Part Number	Description
AA1500272	250 ft. Roll
AA1500270	9.5 ft. Long, 4/Box
AA1500267	14.5 ft. Long, 4/box*
AA1500268	17 ft. Long, 4/ Box**
AA1500269	20 ft. Long, 4/Box***
AA1500273	Zip Tool

* 9 ft. Ag-Bags

** 10 ft. Ag-Bags

*** 11 and 12 ft. Ag-Bags

Figure 46. Component Part Numbers

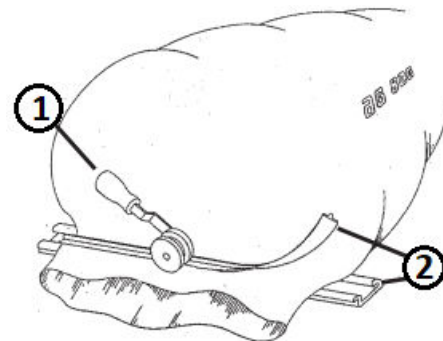


Figure 47. Master Seal Concept

Key 1 – Master Seal Tool

Key 2 – Master Seal

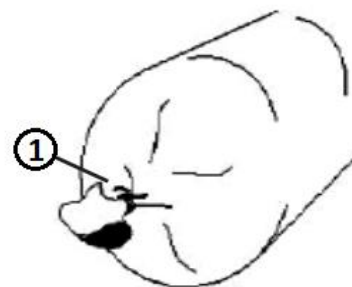


Figure 48. Start of Double-Knot Tie

Key 1 – First Tie

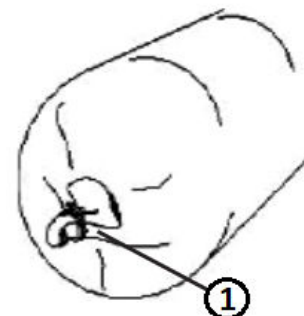


Figure 49. End of Double-Knot Tie

Key 1 – Fold Over and Second Tie

Attach the Backstop

Place the backstop where it is intended to start the Ag-Bag. If needed, back the Ag-Bagger up next to the backstop.

The backstop should be aligned with the tunnel opening and 1 to 2 feet behind the tunnel. See Figure 50.

NOTE:

The backstop support feet can remain in the backstop pockets for the first two loads. Then remove the support feet and the backstop should stand by itself under the load of the Ag-Bag. Failure to remove the support feet could result in damage of the feet.

Release the brake pressure on the cable drum brake. Using the hand crank provided in the storage compartment, release some cable from the drums.

Remove the cables from the rewind guides and hook the cables to the backstop slings. See Figure 51.

IMPORTANT:

Do not leave the cables in the rewind guides during Ag-Bagging. Machine damage and / or personal injury may result.

Using the hand crank, rewind the excess cable back onto the cable drums (Fig. 52)

NOTE:

To prevent Ag-Bag damage, avoid leaning the backstop against the tunnel or place cardboard (from the Ag-Bag box) between the Ag-Bag and backstop.

Set the cable pressure to hold the cable drums. Adjust the brake pressure as required. See *Performance Optimization* section in this manual.



Figure 50. Attaching the Backstop

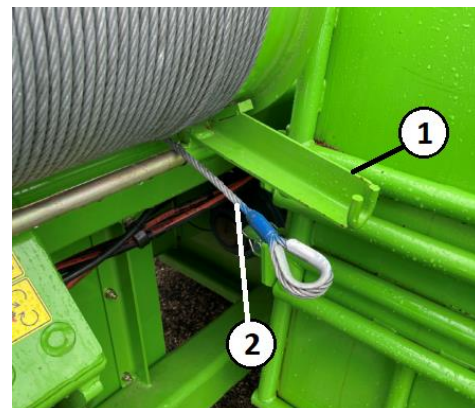


Figure 51. Cable Rewind Guide
Key 1 – Cable Guide Key 2 - Cable

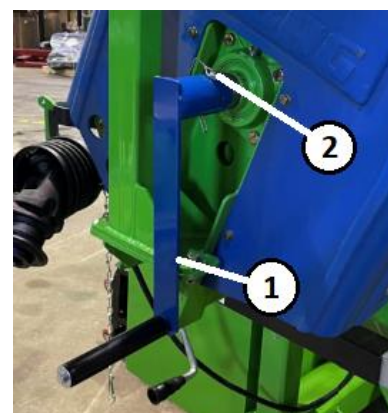


Figure 52 – Rewind Hand Crank
Key 1 – Hand Crank Key 2 – Cross Pin

Lower Conveyor to Operating Position

The tractor PTO must be safely engaged before operating the hydraulic conveyor raise and lower control.

Before lowering the conveyor, release the conveyor lift lock at the upper end of the slide rail. Pull the lock down and rotate to retain the pin in a disengaged condition to release the conveyor lift lock. See Figure 53.

Lower the conveyor down to the operating position by pushing the hydraulic conveyor lift control lever in.

The control lever will return to the centered (neutral) position when released.

Pulling the control lever will raise the conveyor.

The conveyor must NOT rest on the ground when Ag-Bagging. Keep the conveyor approximately six inches off the ground.

The conveyor position must be adjusted such that the discharge material of the conveyor lands directly in the center of the rotor at normal operating speed.

This position can be marked and monitored using the ruler decal at the side of the conveyor.

See *Performance Optimization* section in this manual for more information.

See Figures 54 and 55.



Figure 53. Conveyor Lift Lock
Key 1 – Lock Lever



Figure 54. Conveyor Raise and Lower
Key 1 – Control Lever



Figure 55. Conveyor Position
Key 1 – Ruler Decal Key 2 – Marker

Fold out the conveyor extension to the wide position. Remove the two lynch pins at the hinge joint in the extension.

Move the extension to the outer position and reinstall the pins. See Figure 56.



Figure 56. Conveyor Extension
Key 1 – Lynch Pins Key 2 – Extension

If not installed already, move the conveyor motor from the storage position to the drive position at the conveyor drive shaft.

NOTE:

This motor can be stored at the location above the chain for narrow transport. Do not climb on the conveyor to access the motor. Use a stepladder, or other device, to safely access the motor.

See Figure 57.

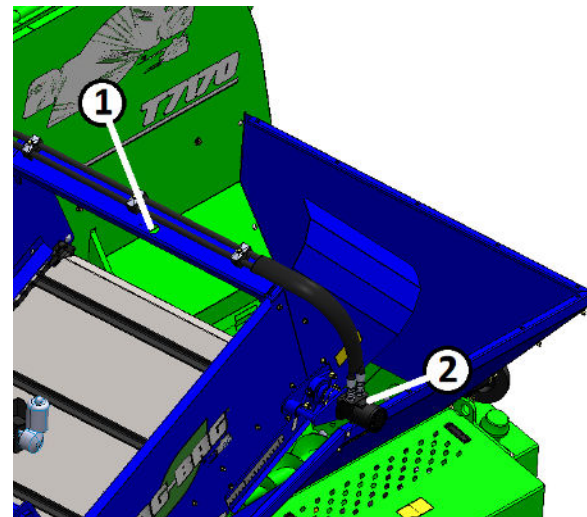


Figure 57. Conveyor Motor Storage
Key 1 – Storage Location
Key 2 – Motor Assembly

If more clearance for unloading boxes is desired at the conveyor, the cable rewind motor can be moved to a storage location.

To remove the motor, remove the lynch pin at the coupler and move the motor assembly to the storage hole near the rear of the cable drum. Reinstall the lynch pin on the coupler on the motor.

See Figure 58.

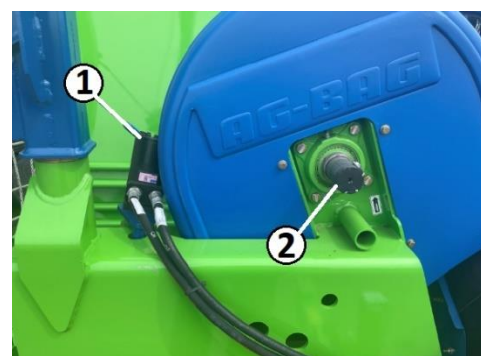


Figure 58. Cable Rewind Motor Storage
Key 1- Motor Key 2 – Rewind Shaft

Set Brake Pressure

Using the hydraulic hand pump, set the cable drum brake pressure between 400 and 450 psi.

The pump valve must be closed, and needle valve must be open, to increase brake pressure.

Close the needle valve to hold pressure.

Open both valves to release the brake pressure.

This pressure is a starting point and may need adjustment depending on crop conditions.

See Figure 59.

NOTE:

The braking system uses an accumulator to allow the brake system pressure to be more stable with fluctuations of temperature. Pumping to increase pressure on systems with an accumulator will take more lever pumps to increase the pressure compared to other models without accumulators.

See *Performance Optimization* section in this manual for more information.

See Figure 60.



Figure 59. Brake System Control

Key 1 – Hand Pump

Key 2 – Pressure Gauge

Key 3 – Needle Valve

Key 4 – Pump Valve



Figure 60. Accumulator Location

Key 1 - Accumulator

Verifying Tunnel Cleanout Closed

For the T7270 and T7170, it is important to ensure that the cleanout door is closed prior to any Ag-Bagging operation.

The T7060 is not equipped with tunnel cleanout.

The tractor PTO must be safely engaged before operating the tunnel cleanout control.

To close the tunnel cleanout, lift the safety collar on the tunnel cleanout lever and pull the lever down.

Once closed, release the lever and ensure that it returns to the neutral position.

See Figure 61.

The tunnel cleanout is visible from the operator station. Visually check to ensure the stripper plate is against the frame and near the rotor.

See Figure 62.

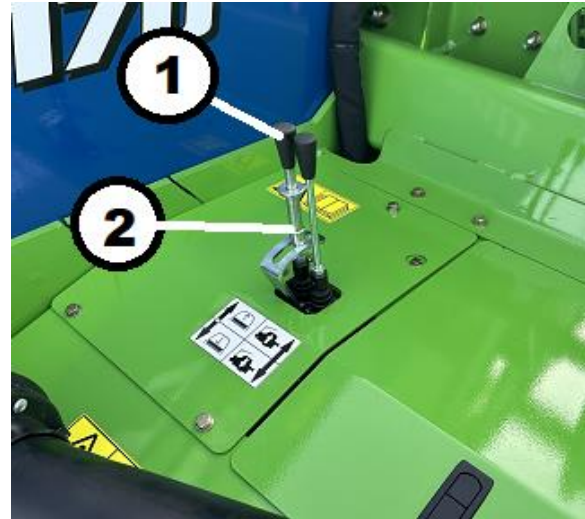


Figure 61. Tunnel Cleanout Lever
Key 1 – Lever Key 2 – Safety Collar

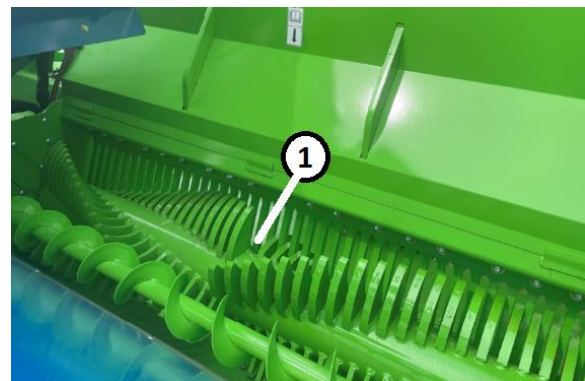


Figure 62. Stripper Plate Visual Check
Key 1 – Visual Check

Ag-Bagging Operation



DANGER:

To avoid serious injury, DO NOT climb on, around or in Ag-Bagger or conveyor while in operation. Falling into machine will result in serious injury or death.

IMPORTANT:

Instruct all unloading personnel how to communicate with the Ag-Bagger operator.

Safely engage the tractor PTO and start the Ag-Bagger. Start the conveyor. Pull the conveyor motor lever at the operator station. See Figure 63.

Place the tractor in neutral, release the tractor brakes, and have the wheels directed straight ahead.

Begin unloading product onto the conveyor. The operator of the unloading equipment should monitor the conveyor or hopper such that it is not overloaded. Unloading equipment should be run accordingly.

NOTE:

Remember to keep the conveyor positioned such that the crop discharges to the center of the rotor for best performance. Note the conveyor position on the ruler decal. See Figure 64.

IMPORTANT:

Remove the support feet from the backstop after the first two loads. If support feet are left in the backstop pockets, damage to the support feet and/or the pockets may result. See Figure 65.

IMPORTANT:

The Ag-Bagger must be greased and lubricated during the Ag-Bagging operation. See the *Lubrication and Maintenance* section of this manual.



Figure 63. Conveyor Control Lever
Key 1 – Conveyor Motor On/Off (Pull)

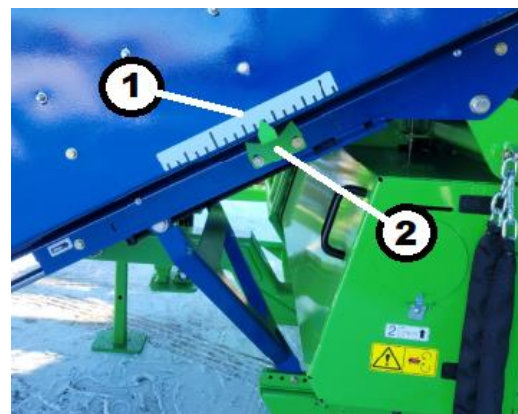


Figure 64. Conveyor Position
Key 1 – Ruler Decal Key 2 – Marker



Figure 65. Support Feet Removal
Key 1 – Support Feet

Start the inoculant applicator, if so equipped once product is being unloaded onto the conveyor. Turn inoculant applicator off just before load is empty.

Check the cable drum brake pressure and adjust as required according to the following indicators:

- A. Check the stretch bars on the side of the bag. They should not exceed the Ag-Bag manufacturer's recommendations. If stretch marks are greater than recommended, brake pressure needs to be decreased.
- B. If the Ag-Bag does not have a smooth appearance, brake pressure may need to be increased.
- C. Use the ground-to-ground measurement to check for proper bag stretch. See *Performance Optimization* section in this manual for more information.

See Figures 66 through 68.

IMPORTANT:

Never allow the Ag-Bag to touch the cables. To avoid the possibility of Ag-Bag damage, place cardboard between bag and cables if contact will or has occurred.

Stop the conveyor and Ag-Bagging operation when:

- A. Two or three wraps of cable remain on the cable drum.
- B. The Ag-Bag is full and 10 to 12 feet (3 to 4 m) of Ag-Bag plastic is left on the tunnel (approximately 4 folds in most cases).

IMPORTANT:

Be sure to turn off the inoculant applicator each time the conveyor is stopped.



Figure 66. Ag-Bag Side
Key 1 – Stretch Bars

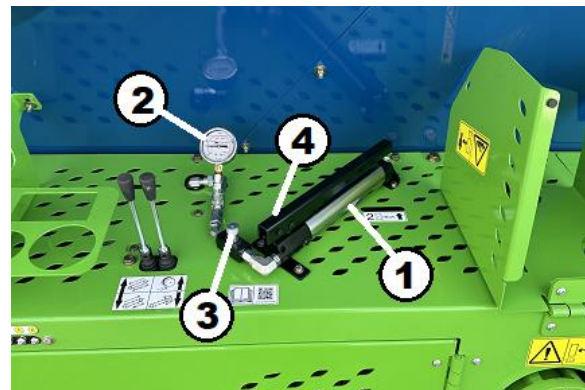
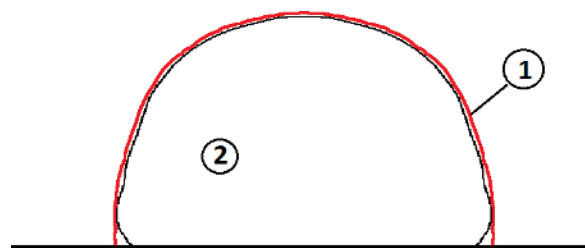


Figure 67. Brake System Control
Key 1 – Hand Pump
Key 2 – Pressure Gauge
Key 3 – Needle Valve
Key 4 – Pump Valve



Key 68. Ground-to-Ground
Measurement
Key 1 – Measurement Location
Key 2 – Ag-Bag

Sweeping Tunnel Cleanout Operation

For the T7060, cleanout is done manually. Using the release valve or valves on the hydraulic hand pump, slightly release the cable brake pressure and move the Ag-Bagger forward about 5 feet (1.5 m).

Send more product through the hopper to help loosen the packed product inside the tunnel.

Allow as much product as possible to fall out of the tunnel and into the Ag-Bag before Ag-Bag is removed from the tunnel.

For the T7270 and T7170, first turn off the PTO. Use the release valve or valves on the hydraulic hand pump and slightly release the cable brake pressure. Do not move the machine forward at this time.

With the PTO off, lift the safety collar and push the lever to the tunnel cleanout open position and lock it into position. See Figure 69.

Return to the tractor. With the tractor in neutral, safely start the PTO and allow the tractor to move forward slowly. If it does not advance slowly with the opening of the tunnel cleanout, move the Ag-Bagger forward slowly about 5 feet (1.5 m).

The tunnel cleanout should advance to a fully open position and push all product in the tunnel into the Ag-Bag.

Turn off the tractor PTO, put the tractor into park and remove the key.

Lift the safety collar at the lever and pull the lever back to the neutral position. See Figure 70.



Figure 69. Brake System Control

- Key 1 – Hand Pump
- Key 2 – Pressure Gauge
- Key 3 – Needle Valve
- Key 4 – Pump Valve

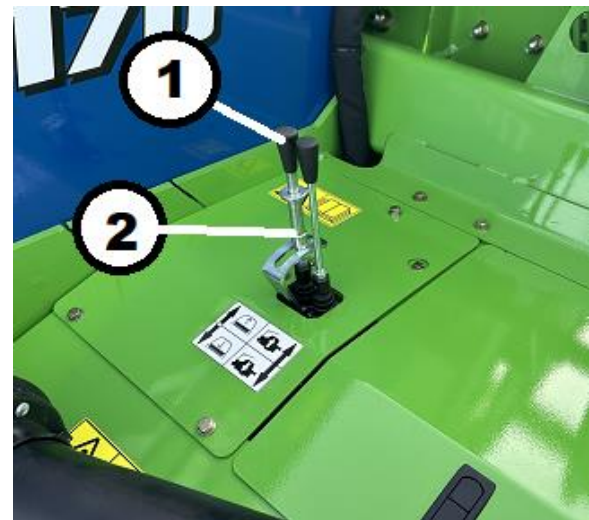


Figure 70. Tunnel Cleanout Lever
Key 1 – Lever Key 2 – Safety Collar

Backstop Removal



WARNING

Backstop is heavy. Use care when moving backstop. Use equipment capable of handling the backstop.

See Backstop Setup section of this manual for information regarding handling methods for backstop.

Ensure the tractor is still in park. Place the backstop support feet into the pockets on the backstop to stabilize the backstop. See Figure 71.

Using the release valve or valves on the hydraulic hand pump, slightly release any remaining brake pressure. See Fig. 69 on the previous page.

Unhook the cables from the backstop slings and move the backstop away from the Ag-Bag.

Place the cables in the cable rewind guides and slide the guides to rest along the wound cable on the drum.

Rewind the cables onto the drums. Use the hydraulic rewind or the hand crank.

To use the hydraulic rewind, safely start the tractor and keep it in park. Safely start the PTO. Return to the operator station of the Ag-Bagger.

Push the cable rewind control lever to rewind the cables. See Figure 72.

The speed of the cable rewind can be controlled by the position of the control lever. Stop the cable end a few inches from the rewind guides. See Figure 73.

Set a slight brake pressure to retain the cables in position.



Figure 71. Support Feet Installation
Key 1 – Support Feet



Figure 72. Brake System Control
Key 1 – Cable Rewind Control

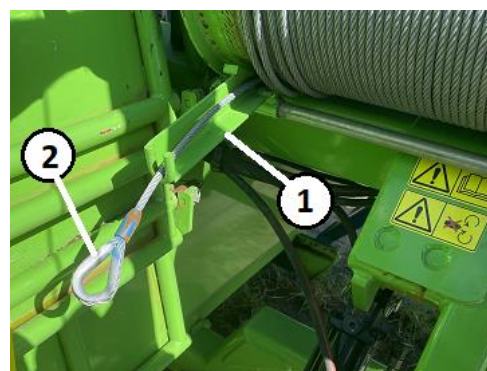


Figure 73. Cable Rewind Guide
Key 1 – Guide Key 2 – Rewound Cable

Removing the Ag-Bag from the Ag-Bagger

Once the cleanout is complete, the backstop removed, the cables rewound, and the bungee cord released, safely pull the Ag-Bagger forward.

The bag will slide off the tunnel.

Stop the tractor, put in park, shut off engine and remove key.

If there is any material remaining in the tunnel, clean it out into the Ag-Bag or dispose of by other means.

Grab each side of the bag on the end.

Walk the bag over itself pulling the product together.

Bring the Ag-Bag end forward.

Seal the end of the Ag-Bag in the same manner as the beginning end of the Ag-Bag.

See *Seal the Beginning End of the Ag-Bag* section in this manual.

NOTE:

With any method used to seal the end of the Ag-Bag, loose plastic must be weighted down to prevent damage. When doing so, DO NOT use material that will be abrasive or sharp against the Ag-Bag material.

See Figures 74 through 77.



Figure 74. End of Ag-Bagging

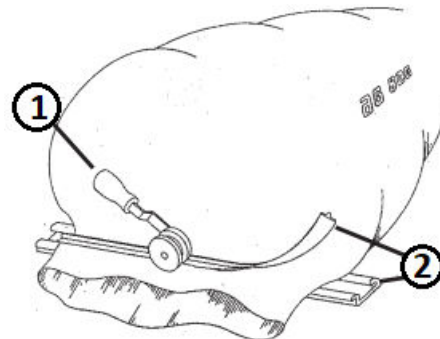


Figure 75. Master Seal Concept

Key 1 – Master Seal Tool

Key 2 – Master Seal

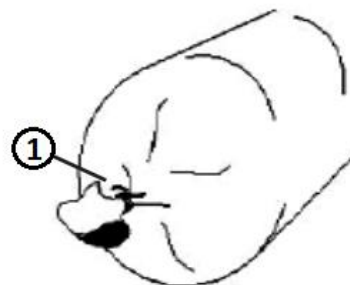


Figure 76. Start of Double-Knot Tie

Key 1 – First Tie

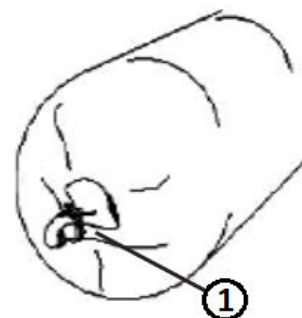


Figure 77. End of Double-Knot Tie

Key 1 – Fold Over and Second Tie

Venting the Ag-Bag

Immediately after the Ag-Bag is sealed, a vent must be installed to remove the gases produced by the product.

A reusable vent valve and vent tool are available from your Ag-Bag dealer. See Figure 78.

To install the vent valve, remove the cover from the vent cutter tool.

Turn the cutting portion of the tool such that the cutter is away from the cover, line up the notches and insert the cutter into the cover.

Take the threaded side of the valve, align the notches and slide it over the cutter end of the tool.

Slide the threaded portion completely onto the cutter. See Figure 79.

Once the desired valve location is determined, press the cutter portion of the tool into the plastic to create a hole.

Push the tool with the threaded portion of the vent through the hole and pull the cutting tool out, leaving the threaded end of the vent protruding through the Ag-Bag. See Figure 80.

Assemble the valve lid onto the threaded portion.

Turn the lid counterclockwise and tighten securely. See Figure 81.

Slide the lid of the vent open such that gases can escape. Within 1 to 2 days, close the lid and leave the vent in the Ag-Bag until that end of the Ag-Bag is consumed.

Part Number	Description
AA1500893	Reusable Vent Valve
AA1500568	Vent Installation Tool

Figure 78. Vent Valve Components

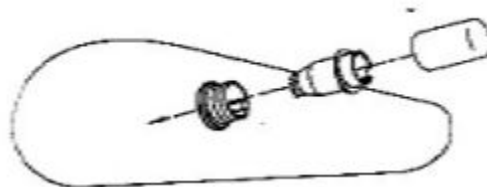


Figure 79. Valve Preparation

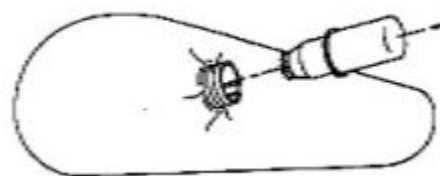


Figure 80. Hole Cutting

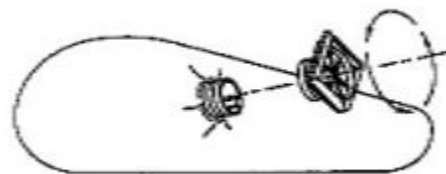


Figure 81. Lid Installation

NOTE:

If excessive gassing occurs, leave the vent open an additional day. If the Ag-Bag expands again with gases after closing the valve, open the valve again until the gases recede, then close the valve.

Moving Wheels to Transport Position

IMPORTANT:

Site for moving wheels must be level to prevent Ag-Bagger from rolling when unhitched from the towing vehicle. Ground conditions must be firm to prevent lift jacks from settling during wheel removal.

IMPORTANT:

Keep service door closed whenever the tractor is running to shield moving components around the hydraulic pump drive. Failure to do so may result in serious injury.

IMPORTANT:

Before moving wheels to transport position, make sure the conveyor is raised fully and the transport lock engaged. See Figure 82.



DANGER:

Never work under the machine when in a raised condition. If service work is needed, use proper blocks and technique to secure the machine in a raised condition before performing any work. Failure to do so may result in serious injury or death.

For the T7060 and for manual raising, use the jacks to lift the wheels at the rear wheel drops. One jack is from the hitch and the other is stored at the near the storage compartment. See Figures 83 and 84.

For the T7060, skip the next steps until indicated.



Figure 82. Conveyor Lift Lock
Key 1 – Lock Lever Key 2 – Marker



Figure 83. Lift Jack Storage
Key 1 – Lift Jack
Key 2 – Storage Compartment (ref)



Fig. 84. Lift Jack Usage (T7170 Shown)
Key 1 – Wheel Drop Key 2 – Cross Pin
Key 3 – Lift Jack

For the T7270 and T7170, clear the area of bystanders and safely start the tractor and start the PTO at low idle.

Keeping the tractor in park and at low idle, go to the operator station at the Ag-Bagger and push the lever for machine lift. See Figure 85.

As the lever is pushed to raise the machine, the lift arms in the rear will lower to the ground and then raise the machine.

Raise the machine enough to have clearance to install the front tire (near the gearbox).

Return the lever to the neutral position and return to the tractor. Turn off the PTO, shut off the engine, keep the tractor in park and remove the key.

For both models, move the wheel and spindle assemblies from the Ag-Bagging position to the transport position.

Each wheel is held in position with a cross pin with a lynch pin in the end as a retainer. Remove the lynch pin and cross pin.

Move the wheel and spindle assemblies to the transport position at the sides of the machine. Install the spindle into the tube cross hole and align the hole. Install the cross pin and the lynch pin for a retainer.

Repeat at each end of the machine.

See Figures 86 through 88.



Figure 85. Operator Controls
Key 1 – Machine Lift / Lower Lever

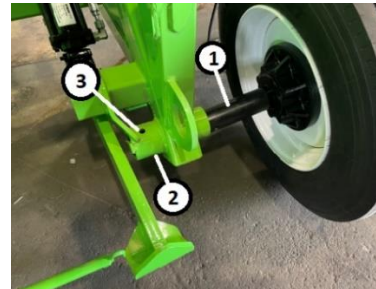


Figure 86. Spindle Install for Ag-Bagging
Key 1 – Spindle and Tire Assembly
Key 2 – Tube Key 3 – Cross hole

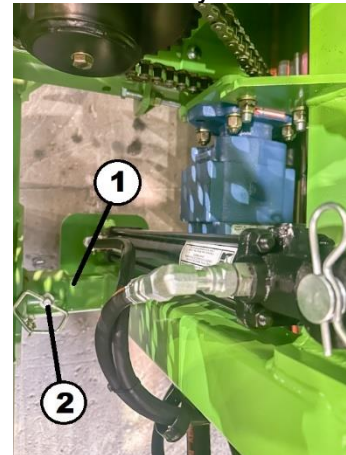


Figure 87. Left Side Spindle Removal
Key 1 – Spindle Assembly Key 2 – Pin

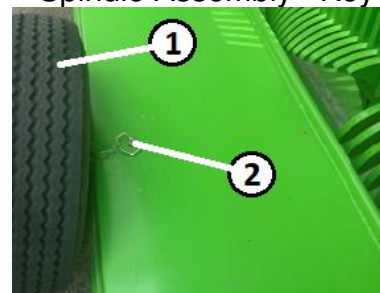


Figure 88. Right Side Spindle Removal
Key 1 – Spindle and Tire Assembly
Key 2 – Pin

For all models, lower the jack stand at the towing hitch end of the machine while the machine is in a raised position. Secure the jack stand in the lowered position with the cross pin and lynch pin.

See Figure 89.

For the T7060, use the lift jacks to lower the machine down to the ground and remove the pressure from the lift jacks.

Return one jack to the storage location beneath the light bar at the rear of the unit.

Return the other jack to the side of the hitch in a horizontal position.

Secure each jack with the attached cross pin.

See Figures 90 and 91.

For the T7270 and T7170, ensure that all shields are closed on the machine. Clear the area of bystanders. Return to the tractor. Safely start the tractor and start the PTO at low idle while keeping the tractor in park.

Return to the operator station of the Ag-Bagger.

Activate the lever for machine lowering. The lift arms will raise, and the machine will lower to the ground. Continue raising the lift arms for approximately 10 seconds to ensure they are raised fully to the storage position. Return the lever to neutral. See Figure 92.

Return to the tractor. Turn off the PTO, shut off the engine, keep the tractor in park and remove the key.



Figure 89. Jack Stand Raising
Key 1 – Jack Stand
Key 2 – Cross Pin



Fig. 90. Lift Jack Usage (T7170 Shown)
Key 1 – Wheel Drop Key 2 – Cross Pin
Key 3 – Lift Jack



Figure 91. Lift Jack Storage (T7170)
Key 1 – Lift Jack
Key 2 – Storage Compartment (ref)



Figure 92. Operator Controls
Key 1 – Machine Lift / Lower Lever

Remove the PTO shaft from the tractor.

Remove the retaining chain from both ends of the PTO shaft shield. Raise the PTO shaft guard up and secure it with the rubber latch at the top center.

Move the PTO shaft to the storage location. Alternatively, the PTO shaft can remain connected to the gearbox and the other end swung to the conveyor and retained with the support chain (if transport width restrictions allow for wide transport width). See Figures 93 and 94.

Remove the pin and rotate the lift jack on the tow hitch to the down position. Fasten the lift jack to the hitch in the down position for lifting.

Remove the lift jack from the hitch.

Remove the cross pin on the hitch and remove the hitch from the machine.

Relocate the hitch to the transport side of the machine and reinstall with cross pin. Handles are provided for ease of moving the hitch.

Install lift jack on hitch and raise to appropriate height for the towing vehicle.

Raise the jack stand at main frame to the highest position and reinstall the cross pin and lynch pin.

See Figure 95.

NOTE:

A safety chain and wire harness are provided for connection to the towing vehicle. Always use these components, verify their functionality before use, and verify that the Ag-Bagger is prepared properly for local DOT regulations.

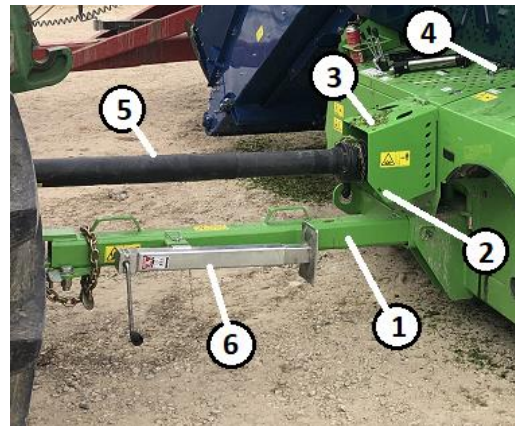


Figure 93. Hitch on Tractor
Key 1 – Hitch Key 2 – PTO Chain
Key 3 – PTO Guard
Key 4 – Rubber Latch Key 5 – PTO

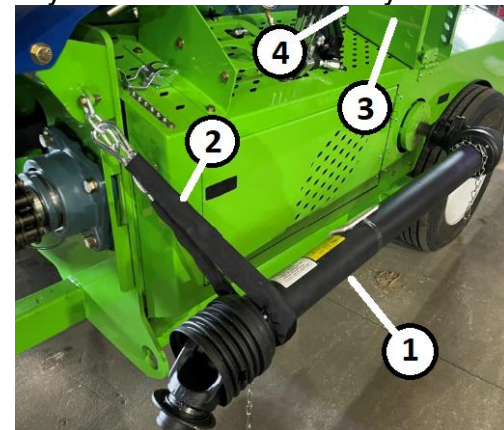


Figure 94. Alternate PTO Storage
Key 1 – PTO Shaft Key 2 – Chain
Key 3 – PTO Cover Key 4 - Latch

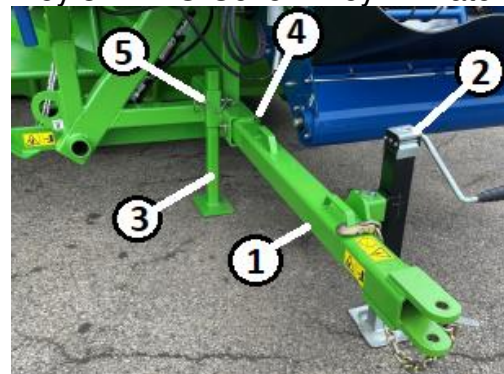


Figure 95. Hitch in Transport Position
Key 1 – Hitch Key 2 – Lift Jack
Key 3 – Jack Stand
Key 4 – Hitch Cross Pin
Key 5 – Jack Stand Cross Pin

Tunnel Storage

The tunnel extensions are stored above the main tunnel for transport. These extensions are pin-on using pins provided with the machine. It is recommended to use the help of an assistant for this operation.

The bag cradle is used in a raised position to lift the extensions from the installed position to the storage position.

IMPORTANT:

For road transport, any tunnel extensions must be installed in the storage position. If storing the unit locally, without road transport, one extension may remain installed, and the backstop feet can be left in an outer position for backstop storage.



WARNING:

DO NOT transport the unit on the road with any extensions in the installed position. Machine damage may occur (backstop feet damage, tunnel damage).

With the cradle resting on the extension in the installed position, flip the angles at the bottom over center and under the hook points on the tunnel extension. See Figures 96 and 97.

Once flipped, crank the bag boom cable winch to take the weight of the extension. Remove the pins at the storage location.

Raise the tunnel extension approximately 3" (75 mm). Swing the bag boom and tunnel around until the tunnel is in the storage location. See Figure 98.

NOTE:

Push the extension into storage position and install the previously removed pins at the base tunnel where the extension is stored. The hitch pin clips are retained at the storage mounts. See Figure 98.

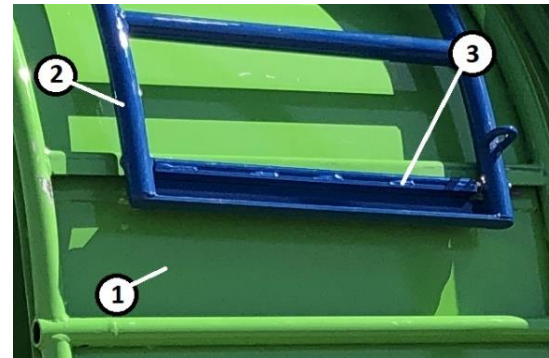


Figure 96. Cradle Hook
Key 1 – Extension Key 2 – Bag Cradle
Key 3 – Cradle Hook

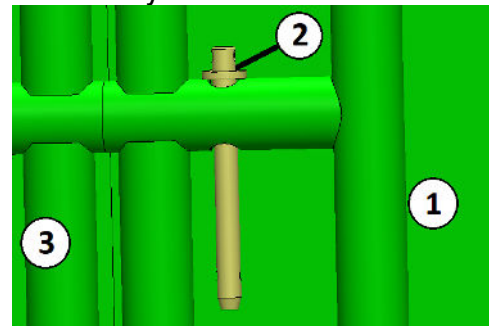


Figure 97. Pin Installation
Key 1–Tunnel Key 2–Pin Key 3–Ext.



Figure 98. Tunnel Extension Lift
Key 1–Bag Cradle Key 2–Cradle Hook
Key 3 – Winch Key 4 – Base Tunnel
Key 5 – Storage Pin Locations

Install the blue transport brackets at the lower pins on the tunnel extensions in the storage position as shown in Figure 99. Use the pins horizontally as indicated.

Ensure that the pin of the blue bracket is in the hole of the tunnel pin. This will retain the lower portion of the tunnel in transport.

Backstop Storage

Using a preferred backstop lifting method, lift the backstop gently to support the weight of the backstop so it is secure and stable.

Remove the backstop support feet from the backstop.

Place the backstop support feet into the sockets inside the tunnel. Install the cross pin and lynch pin in the tunnel.

Using the lifting device, lift the backstop and move it into position on the support feet. Lower the backstop gently on the support feet. Install the locking pins and lynch pins at the support feet to retain the backstop.

Install the stabilizer arm at each side of the backstop to the pin on the frame and secure with the lynch pin.

See Figures 99 through 103.

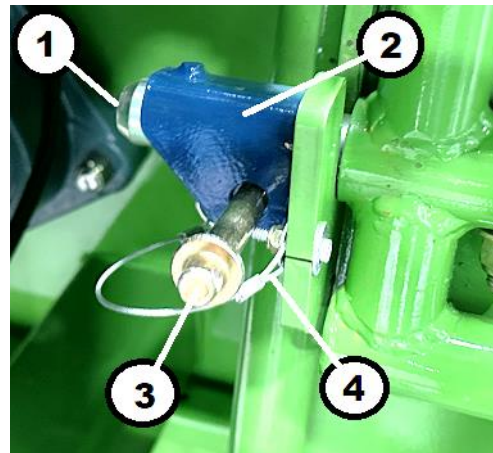


Figure 99. Transport Bracket
Key 1 – Lower Tunnel Pin
Key 2 – Transport Bracket
Key 3 – Pin Key 4 – Clip Retainer

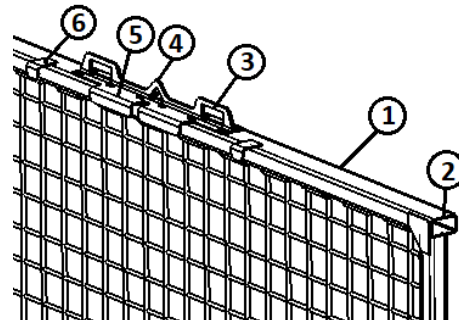


Figure 100. Backstop Lifting Methods
Key 1 – Backstop Key 2 – Fork Pocket
Key 3 – Fork Loop
Key 4 – Single Hook Point
Key 5 – Bag Cradle and Bucket Hook
Key 6 – Bucket Hook



Figure 101. Backstop with Cradle
Key 1 – Cradle Key 2 - Backstop

Remove the lifting device. If the bag cradle is used, return it to the top tunnel extension and flip the latches over at the ends and raise with the hand crank. This will help to stabilize the bag cradle for transport.

The bag boom may be kept in a raised position if the height is an acceptable transport height by DOT regulations. Adjust as necessary within the range of motion of the turnbuckle.

Move the bag boom handle to the lower position to secure it and prevent rotation.

Use the long bungee cord on the bag cradle to secure the cradle to the tunnel.

Use a ratchet strap or other device to hold the bag pan in a raised position for transport.

See *Bag Boom Adjustment* section for more information.

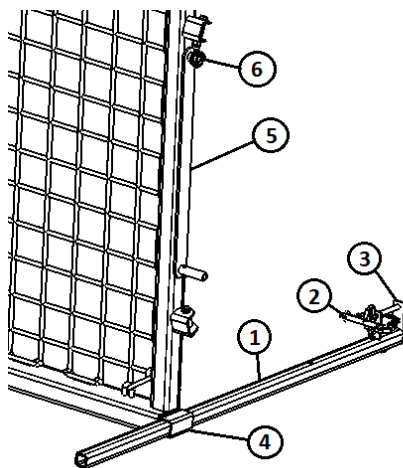


Figure 102. Backstop Components
Key 1 – Support Feet Key 2 – Pins
Key 3 – Tabs Key 4 – Pockets
Key 5 – Stabilizer Arm Key 6 – Pin

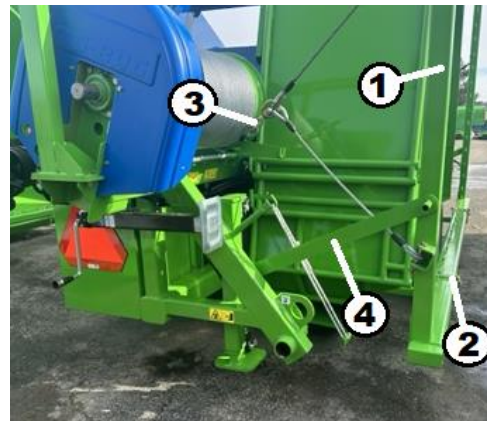


Figure 103. Backstop Storage Position
Key 1 – Backstop Key 2 – Pin
Key 3 – Backstop Sling and Cable
Key 4 – Stabilizer Arm

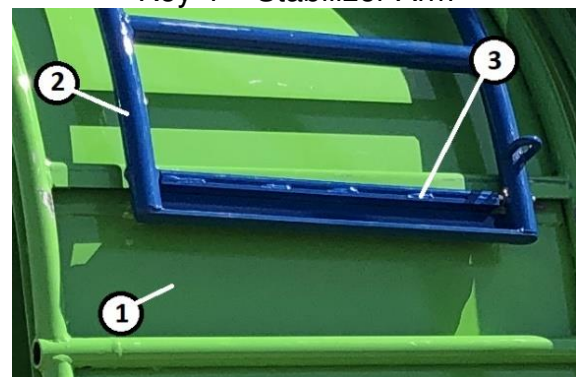


Figure 104. Cradle Hook
Key 1 – Extension Key 2 – Bag Cradle
Key 3 – Cradle Hook



Figure 105. Bag Cradle Storage
Key 1–Bag Cradle Key 2–Cradle Hook
Key 3 – Winch Key 4 – Base Tunnel
Key 5 – Storage Pin Locations

Transporting the Ag-Bagger

Before transporting the Ag-Bagger, perform an inspection of the unit to ensure it is safe for transport.

A safety chain is provided for the hitch to the towing vehicle. Always use the safety chain when transporting the Ag-Bagger on public highways.

Check the tire air pressure and wheel lug nut torque. Refer to the *Lubrication and Maintenance* section of this manual.

Verify that all components are secured properly, including the bag cradle, backstop, bag pan and bungee cords.

Verify the conveyor is in the raised position and the transport lock pin is fully engaged. See Figure 107.

Verify the electrical connector is connected properly. The connector stores in a holder on the frame and the excess cord can be wound around the hitch or the frame. See Figure 108.

Verify all lighting and marking is in place and operational, including the SMV sign at the rear.

Always use a hitch pin with a retainer device to prevent inadvertent removal.

Lower the bag boom to the bag cradle to reduce the height of the machine if needed or when transporting the machine long distances. See *Bag Boom Adjustment* section in this manual.



Figure 106. Ag-Bagger Transport



WARNING:
DO NOT TOW THIS IMPLEMENT OVER 25 mph (40 kph). Failure to abide may result in serious injury and / or machine damage.

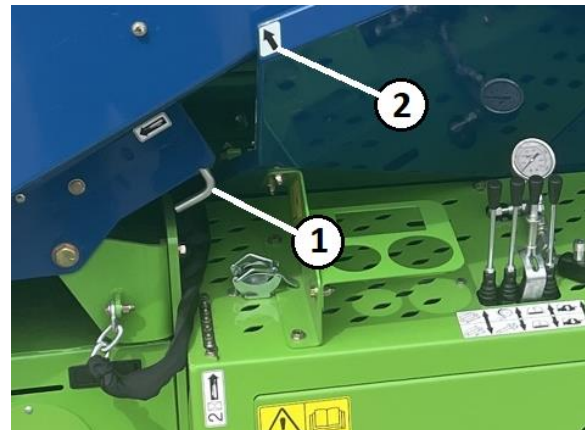


Figure 107. Conveyor Lift Lock
Key 1 – Lock Lever Key 2 – Marker

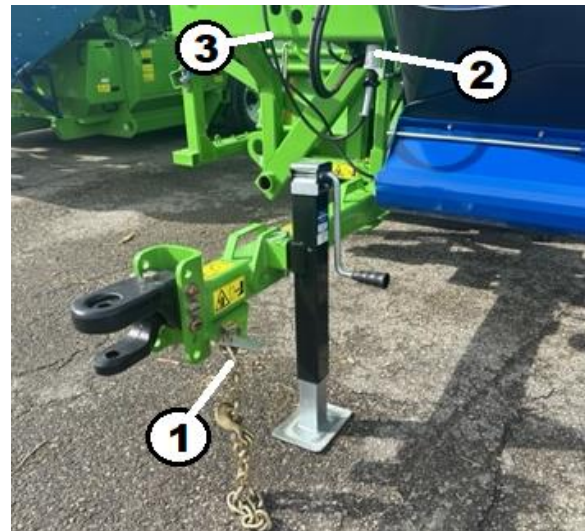


Figure 108. Transport Hitch Position
Key 1 – Safety Chain
Key 2–Harness Holder Key 3–Harness

To narrow the transport width of the Ag-Bagger to 102 inches wide (2.6 m), fold in the conveyor extension, place the PTO in the rear storage position, and move the conveyor motor to the top support bracket for storage.

For narrow transport, the tunnel extensions must all be installed on top of the tunnel in storage position and the backstop must be stored in the narrowest position. See Figure 109.

To fold the conveyor extension in for transport, remove the two lynch pins at the hinge joint in the extension.

Move the extension to the inner position and reinstall the pins.

See Figure 110.

To move the conveyor motor to the storage position, first remove the cover from the assembly and remove the lynch pin from the coupler. Move the motor to the support bracket on top. Reinstall the lynch pin on the coupler. The hose bushing on the motor mount will help retain the motor in position.

See Figure 111.

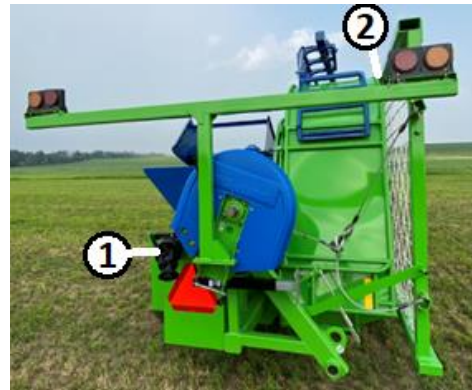


Figure 109. Narrow Transport
Key 1 – PTO Rear Storage
Key 2 – Narrow Storage Positions



Figure 110. Conveyor Extension
Key 1 – Lynch Pins Key 2 – Extension

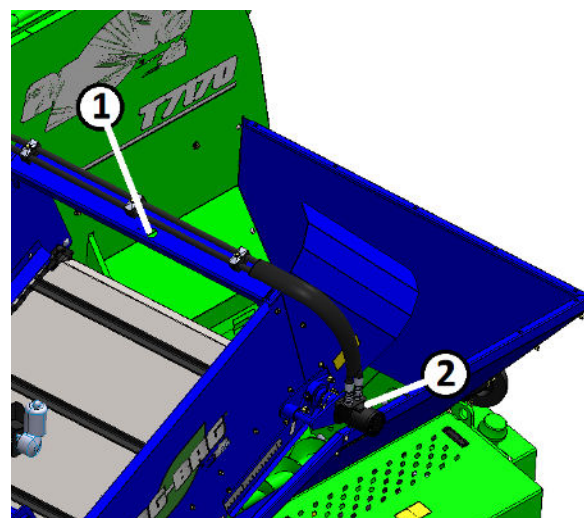


Figure 111. Conveyor Motor Storage
Key 1 – Storage Location
Key 2 – Motor Assembly

9 PERFORMANCE OPTIMIZATION

There are many factors that impact the performance of the Ag-Bagger as well as the quality of the silages produced.

Use the following information to ensure that the system produces the highest quality of silage an Ag-Bag can offer.

Conveyor Position

With the T7170, T7270 and T7060, the Revolutionary Rotor allows for more throughput and higher bag density than previous models of Ag-Baggers.

The single greatest adjustment that can be made to impact the performance of the T7170, T7270 and T7060 Ag-Bagger is the conveyor position.

To maximize throughput and bag density, the product must be delivered to the rotor and forage distributor at the very center of the machine.

This allows the rotor and forage distributor to properly distribute and pack the product into the Ag-Bag in the most efficient manner possible.

A ruler decal is provided on the machine for the operator to mark a common location using a marker, for ease of repeatability.

Different positions may be used in different crops.

By marking the position on the ruler, the operator can easily return the conveyor to the known optimum location.

A decal is provided above the rotor as a reminder of ideal crop flow location.

See Figures 112 through 114.

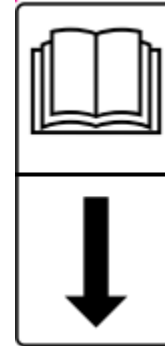


Figure 112. Optimum Crop Flow Reminder



Figure 113. Optimum Crop Flow at Center
Key 1 – Decal Location
Arrow – Optimum Crop Flow Location



Figure 114. Conveyor Position
Key 1 – Ruler Decal Key 2 – Marker

Tractor Setup

The proper tractor size and configuration is essential to performance. Select the proper based on the machine specifications in this manual.



WARNING:
NEVER use a PTO Spline Adapter. Failure to follow this precaution may result in machine damage, severe injury, or death.

Use of an adapter will void warranty for the Ag-Bagger due to high potential for damage to the tractor PTO, PTO driveshaft or other Ag-Bagger components.

Always maintain the proper PTO rpm for the machine. Do not over-speed the Ag-Bagger.

Over-speeding the driveline not only reduces reliability and voids warranty, but it decreases throughput and can cause crop over-processing due to the Revolutionary Rotor design. The rotor is designed to run at a very specific rpm to maximize throughput and bag density.

Always follow the Power Shut Down Procedure outlined at the beginning of this manual in the *Safe Operation of Machine* section.

Crop Conditions

Maturity

Ideal maturity for grasses and alfalfa is pre-bloom. Ideal maturity for corn silage is around 50% milk line in the kernel, or about 42 to 47 days after silking. It is more important to maintain the proper moisture for the crop in the Ag-Bag.

Product Moisture

The desired moisture level for proper ensiling in an Ag-Bag is typically 60 to 65 percent.

At too high of moisture, fermentation can be negatively impacted, in addition to lost nutrients in “juicing” of the product during the Ag-Bagging process.

At too low of moisture, too much oxygen may be trapped in the product, negatively impacting fermentation.

Refer to the different materials available at www.ag-bag.com or from your local Ag-Bag dealer for more detailed information on product moisture levels.

Moisture levels play an important part of product quality.

Dry product makes for a lumpy Ag-Bag. Long dry chop is hard on any Ag-Bagger. It is important to remember when trying to make quality haylage, dry forages have more resistance. They will pack higher in the Ag-Bag and lower cable drum brake pressure is required.

Wet product typically refers to product with moisture levels above 70%. Wet product may create excessive liquid in the hopper. This excessive liquid is acceptable unless the Ag-Bag is outside the recommended shape.

Slowly release the cable drum brake pressure until the Ag-Bag is within the recommended shape.

Allow the product to wilt longer in the field if liquid does not dissipate. Wet product does not rise very high in the Ag-Bag. The result will be a wide Ag-Bag.

NOTE:

The possibility of Ag-Bag damage will result from cables contacting a wider-shaped Ag-Bag. Place cardboard between the Ag-Bag and cables if contact will or has occurred.

Crop Management

Crop management in this case refers to length of cut and processing of the product.

Varying length of cut with moisture has benefits for better packing in an Ag-Bag.

With dryer materials, a shorter length of cut will help ensure ensiling in an Ag-Bag will help to reduce the oxygen in the product.

With wetter materials, a longer length of cut will reduce the excess moisture and help to pack a tighter Ag-Bag.

Ag-Bag Site

Select an Ag-Bag site that has a flat, firm surface and room for operating equipment both during the Ag-Bagging and unloaded operations.

The surface used for Ag-Bagging is as important as the setup of the machine used in terms of product quality.

When placing Ag-Bags next to one another, leave approximately 3 feet (1 m) of distance between Ag-Bags for maintenance, inspection, and to allow access for unloading without damage to nearby Ag-Bags.

Remove any rocks, sticks and foreign material from the site. Proper drainage of the site is important as well. Concrete, asphalt, gravel, or packed limestone works well under Ag-Bags.

Pick a site away from rodent infestations or habitat or create a border zone around the Ag-Bag site to deter rodents from invading the site.

Protect the site from livestock with fencing if needed. Cattle are drawn to the wholesome deliciousness found in an Ag-Bag. If the job is done right, cattle will need to be restrained.

Ag-Bagging Surface



WARNING:

Do not Ag-Bag on a hillside. Tip-over or rollover of equipment or Ag-Bag may result.

Always Ag-Bag uphill rather than downhill. Adjust brake pressure as needed. The Ag-Bagger can drift, and the Ag-Bag may roll.

Site surface conditions may affect Ag-Bagging quality and ability.

Soft ground conditions will act as a brake and may cause the Ag-Bagger to sink.

A hard, clean surface is best to Ag-Bag on. By cleaning the area, rodent problems can be prevented.

Ag-Bag Installation

Enclosed in each box of Ag-Bags is an instruction sheet with pictures to help properly install the Ag-Bag on the Ag-Bagger.

Take time to understand the best method of Ag-Bag installation. The Ag-Bag should be placed on the machine with the Ag-Bag logo in an area between 1 and 3 o'clock when standing behind the bag and machine.

Ag-Bagging Pressure

When filling the Ag-Bag, the Ag-Bag should not be stretched more than 2 inches (5 cm) above the tunnel, nor should the Ag-Bag push against the cables.

Less brake pressure is required when:

- Ag-Bagging uphill
- Ag-Bagging with a large tractor due to weight and resistance to roll
- Ag-Bagging in muddy or soft, sandy soils due to drag
- Ag-Bagging extremely wet product, above 75% moisture
- Ag-Bagging dry grains, which make a flatter Ag-Bag. The product going into the Ag-Bag will not always reach to the top of the tunnel.
- Ag-Bagging oats and winter forages. These should only be packed to the top of the tunnel because of swelling during storage. It is recommended to keep stretch at a minimum due to the product swelling.

More brake pressure is required when:

- Ag-Bagging on hard surfaces such as concrete and asphalt as there is less drag for the equipment to roll forward
- Ag-Bagging downhill.

Correcting Ag-Bag Stretch

To measure ground to ground distance over the Ag-Bag, tie weights such as hex nuts of approximately ¼ pound (1/10 kg) to one end of a string and one weight of approximately half as much to the opposite end of the string. The distance between the nuts needs to be:

- 20 feet, 3 inches (6.17 m) for 9-foot Ag-Bags
- 21 feet (6.4 m) for 10-foot Ag-Bags

Carefully straddle the string over the Ag-Bag approximately 15 feet away from the Ag-Bagger.

While Ag-Bagging, when the lighter side touches the ground, increase the cable drum brake pressure.

If the nut comes off the ground more than 3 inches, reduce the cable drum brake pressure.

NOTE:

Use this procedure only as a visual aid. Measuring the stretch bars on the Ag-Bag and maintaining appropriate stretch dimensions is more important. Keep the Ag-Bag stretch indicators within the manufacturer's specifications.

Sealing and Venting

As soon as the Ag-Bag is filled, seal the finished end of the Ag-Bag as outlined in the Master Seal instructions.

The earlier that oxygen is sealed out, the earlier the fermentation process can begin. It is very important to vent the Ag-Bag after sealing. See *Venting and Sealing* section of this manual.

Order Master Seal and reusable vents from an Ag-Bag dealer. Refer to the following for specific part numbers.

<u>Part Number</u>	<u>Description</u>
AA1500893	Reusable Vent Valve
AA1500568	Vent Installation Tool
AA1500272	250 ft. Roll
AA1500270	9.5 ft. Long, 4/Box
AA1500267	14.5 ft. Long, 4/box*
AA1500268	17 ft. Long, 4/ Box**
AA1500269	20 ft. Long, 4/Box***
AA1500273	Zip Tool
* 9 ft. Ag-Bags ** 10 ft. Ag-Bags	
*** 11 and 12 ft. Ag-Bags	

Wind Damage

Wind damage can be caused by the wind whipping the loose end of the Ag-Bag.

To prevent damage, the loose Ag-Bag end needs to be secured with Master Seal and by placing tires or other soft material on the end of the Ag-Bag.

Wind damage can cause small cracks and eventually wear a hole that allows air to penetrate, causing feed damage.

A tightly secured Ag-Bag will add to the life of the Ag-Bag.

Bad Weather Ag-Bags

Ag-Bags should always be placed in a location that feed out can be achieved when you need the feed, no matter the weather conditions.

Consider the surface conditions during the seasons when the product will be removed from the Ag-Bags.

If mud is expected at the time of feed out, consider another location on a harder surface.

Plan to have enough accessible Ag-Bags for the time of year needed, and to last until favorable weather conditions can be expected.

Remember, just because crops don't grow on the wet spot in the corner of the field by the farm, it does not mean that the crops should be stored there.

Ag-Bag Shape

Keep the Ag-Bag away from the cables.

If it appears that the cables will contact the Ag-Bag, insert a piece of cardboard between the Ag-Bag and the cable.

Follow the instructions included with your Ag-Bag box for Ag-Bag stretch guidelines.

Haylage and Corn Silage Ag-Bag Shape

Apply enough brake pressure to fill the Ag-Bag within 2 inches (5cm) from the top of the tunnel. Keep the Ag-Bag stretch indicators within the Ag-Bag manufacturer's specifications.

Grains

Grains tend to not fill the Ag-Bag to the top of the tunnel, regardless of cable pressure. Regulate cable pressure by measuring your stretch bars approximately 30 feet (9 m) back from the Ag-Bagger. Keep the stretch indicators within the Ag-Bag manufacturer's specifications.

Ag-Bag Management and Inspection

Periodic inspection of the Ag-Bag is essential to maintain the oxygen-free environment inside the Ag-Bag.

It is recommended that repairs be made with Ag-Bag mending tape as soon as damage is discovered.

Repair tape can be ordered from your Ag-Bag dealer using the following part numbers.

Part Number	Description
AA1500523	2"x36 yd. (5cm x 33m) roll
AA1500525	3"x36 yd. (8cm x 33m) roll
AA1501331	4"x36 yd.(10cm x 33m) roll



Suggested Feed Out Rates Per Day

Winter Rates (Oct. through April)

<u>Bag Size</u>	<u>Feet/Day</u>	<u>Tons/Day</u>
9 ft.	1 ft.	1
10 ft.	2 ft.	3

Summer Rates (May through Sept.)

<u>Bag Size</u>	<u>Feet/Day</u>	<u>Tons/Day</u>
9 ft.	2-1/4 ft.	2-3/4
10 ft.	2-1/2 ft.	4

Capacity of Tons per Running Foot of Ag-Bag

9 ft. Ag-Bag.....1-1/4 Tons (approx.)

10 ft. Ag-Bag.....1-1/2 Tons (approx.)

Genuine Ag-Bag Capacity Chart

Bag Size	Bags per Pallet	Range of Tons/Bag 65% M Alfalfa	Range of Tons/Bag 35% M Earlage	Range of Tons/Bag 28-30% M Shelled Corn	Approx. 56# Bushels per Bag
6x100'	24	52-60	48-52	50-55	-
6x150'	24	85-98	78-85	90-95	-
6x200'	24	117-135	108-117	115-125	-
8x100'	16	80-90	70-80	80-90	3000
8x150'	12	120-140	120-130	130-140	3825
8x200'	10	170-190	164-180	180-200	5294
9x135'	12	140-160	134-150	150	4411
9x150'	12	160-180	162	175	6125
9x200'	10	200-225	205	230	6765
10x150'	10	200-220	180	202	5940
10x200'	8	270-300	247	278	8175
10x250'	6	340-360	324	350	12250
10x300'	6	420-490	400	420	14320
12x250'	6	420-480	420-480	450	16071
12x300'	4	500-550	500-550	500	17238
12x500'	2	840-900	840-900	900	32000
14x300'	4	700-840	700-840	-	-
14x400'	2	950-1,140	950-1,140	-	-
14x500'	2	1,200-1,440	1,200-1,440	-	-

These numbers are estimated values only to provide a guide on total capacity. Exact tons or bushels are based on length of cut, moisture, variety, and pack density.

The best way to measure total capacity is weighing each load before storing forage or grain.

10 ADJUSTMENTS

Conveyor Position

The single greatest adjustment that can be made to impact the performance of the T7270, T7170 and T7060 Ag-Bagger is the conveyor position.

To maximize throughput and bag density, the product must be delivered to the rotor and forage distributor at the very center of the machine.

This allows the rotor and forage distributor to properly distribute and pack the product into the Ag-Bag in the most efficient manner possible.

A ruler decal is provided on the machine for the operator to mark a common location using a marker, for ease of repeatability. See Figure 115.

Different positions may be used in different crops. By marking the position on the ruler, the operator can easily return the conveyor to the known optimum location.

A decal is provided above the rotor as a reminder of ideal crop flow location. See Figures 116 and 117.

The tractor PTO must be safely engaged before operating the hydraulic conveyor raise and lower control.

Before lowering the conveyor, release the conveyor lift lock at the upper end of the slide rail. Pull the lock down and rotate to retain the pin in a disengaged condition to release the conveyor lift lock. See Figure 118.

Lower the conveyor down to the operating position by pushing the hydraulic conveyor lift control lever in.



Figure 115. Conveyor Position
Key 1 – Ruler Decal Key 2 – Marker



Figure 116. Optimum Crop Flow Reminder



Figure 117. Optimum Crop Flow at Center
Key 1 – Decal Location
Arrow – Optimum Crop Flow Location



Figure 118. Conveyor Lift Lock
Key 1 – Lock Lever

The control lever will return to the centered (neutral) position when released. Pulling the control lever will raise the conveyor.

See Figure 119.

The conveyor must not rest on the ground when Ag-Bagging.

Keep the conveyor approximately six inches off the ground.

The conveyor position must be adjusted such that the discharge material of the conveyor lands directly in the center of the rotor at normal operating speed.

This position can be marked and monitored using the ruler decal at the side of the conveyor.

See Figure 120.

Conveyor Angle

The conveyor angle is adjustable for rare occasions where the hopper angle must be adjusted to accommodate a special unloading device.

The standard position is in the center hole.

To change, using a jack to safely lift the bottom of the conveyor. Move remove the bottom bolt at the main frame. Move the conveyor and A-arm to the desired position and reinstall the bolt. Tighten hardware properly.

Always reset the conveyor position after changing the conveyor angle as the discharge point of the crop flow will be different.

See Figure 121.



Figure 119. Conveyor Raise and Lower
Key 1 – Control Lever



Figure 120. Conveyor Position
Key 1 – Ruler Decal Key 2 – Marker

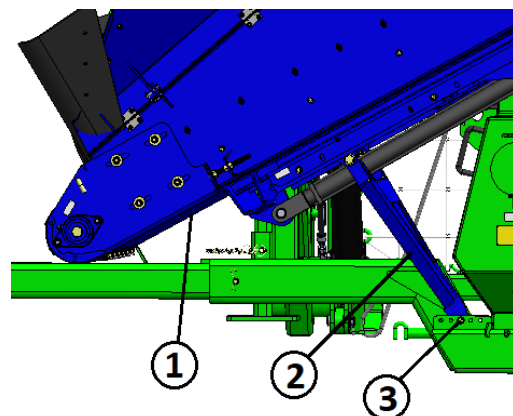


Figure 121. Conveyor Angle
Key 1 – Conveyor Key 2 – A-Arm
Key 3 – Bolt at Main Frame

Conveyor Chain



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

If equipped, the shingles over the chains at the sides of the conveyor need to be removed for cleaning and for evaluation of the chain tension. Therefore, it is best to perform this work prior to storage at the end of the season, so the unit can be cleaned thoroughly.

A simple check for tension when in use is if the lower shaft is rotating when in use. If it is not rotating, it indicates the chain is rolling around the cast pulleys on the bottom shaft instead of having the roller rotate with the shaft on the bearings at the side. This condition can cause accelerated wear of the cast pulleys. Tension should be increased so the lower idler shaft and bearings turns with the chain.

SPECIFICATION:

Conveyor Chain Tension

At the middle of the conveyor, lift the chain 1.5 to 2 inches (4 to 5 cm) with approximately 75 lbs. (34 kg) of force.

At the lower end of the conveyor, loosen the four retainer nuts on the carriage bolts on each side of the conveyor. Loosen the jam nut on the adjusting bolt on each side of the conveyor.

Turn the adjusting nuts so the adjusting bolts measure the same distance on both sides until the chain reaches proper tension. Once the specification is achieved, tighten the jam nuts on each

adjusting bolts. Tighten the four retainer nuts on the carriage bolts on each side of the conveyor.

Set the shingle and lower guide clearance to 3/16" of clearance to the chain when all components are clean. See Figures 122 through 124.

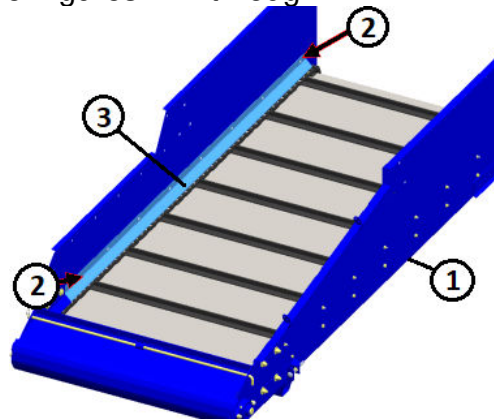


Figure 122. Conveyor Adjustments
Key 1 – Conveyor Key 2 – Shingle
Key 3 – Gap Measurement Location

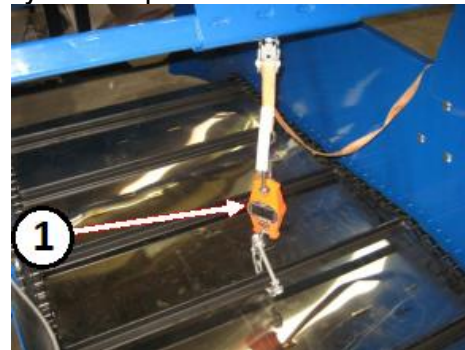


Figure 123. Conveyor Chain Tension
Key 1 – Location for Measurement

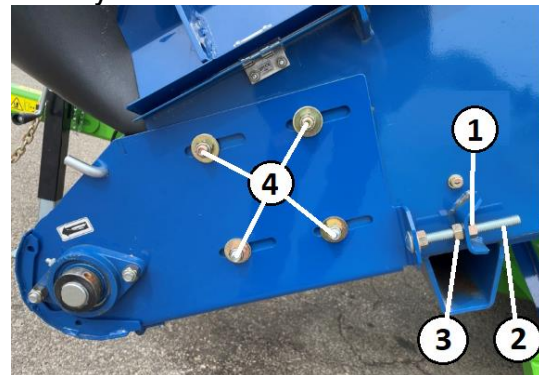


Figure 124. Chain Tension Adjust
Key 1 – Jam Nut Key 2 – Adjusting Bolt
Key 3 – Adjust Nut Key 4 – Retainer Nuts

Hydraulic Pump Drive Chain

T7170 and T7060 Only



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

The tension for the hydraulic pump drive chain is maintained by the position of the pump mounting bracket.

The pump mounting bracket is attached to the main frame with four bolts in slots.

To adjust the chain tension, loosen the four bolts and move the pump mounting bracket in the slots to adjust with the help of the adjuster bolt.

Loosen the jam nut at the adjuster bolt and use the adjuster bolt to adjust the tension.

Once tension is properly set, tighten the jam nut and all the bolts at the pump mount bracket.

After tension is properly adjusted, check the alignment between the two sprockets.

Realign the sprockets by moving the sprocket on the pump as needed.

After adjustments and alignment are complete, tighten the four bolts properly.

See Figure 125.



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

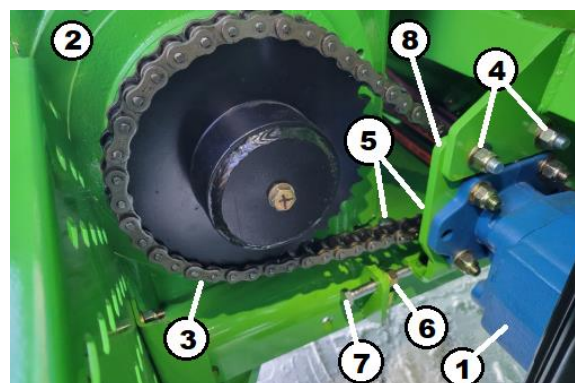


Figure 125. Hydraulic Pump Drive Chain

Key 1 – Pump Key 2 – Gearbox

Key 3 – Chain

Key 4 – Upper Mounting Plate Bolts

Key 5 – Lower Mounting Plate Bolts

Key 6 – Jam Nut Key 7 – Adjuster Bolt

Key 8 – Pump Mount Bracket

Forage Distributor Position



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

The forage distributor is adjustable as to the clearance height between the distributor and the rotor.

The forage distributor must always remain level and parallel to the rotor.

The factory setting for the forage distributor is in the lowest position.

In general, the forage distributor should not need to be adjusted.

To adjust the distributor, first loosen the bearing lock collar at the drive end behind the oil tank. This is to prevent side-load on the bearings after adjustment.

Loosen the four bolts at each bearing for the distributor.

Move the distributor to the desired location and ensure that it is level and parallel to the rotor.

Tighten the bolts properly. Rotate the distributor by hand a few turns to ensure there is no side load on the shaft.

Reinstall the lock collar with two mallet taps in the same direction as rotation (clockwise from the motor end) and tighten the set screws properly.

See Figure 126.

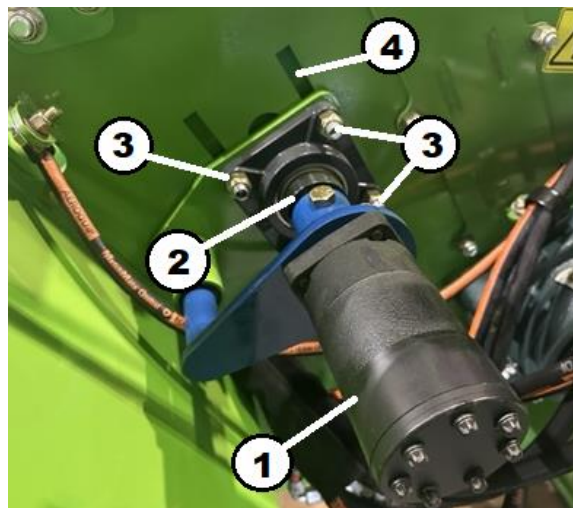


Figure 126. Distributor Adjustment
Key 1 – Motor Key 2 – Lock Collar
Key 3 – Bolts Key 4 – Slots



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

Rotor Drive Chain



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

The tensioner for the rotor chain is spring loaded.

Check the tensioner is maintaining proper tension on the chain.

Remove the rotor drive chain shield under the conveyor.

Adjust the spring tension to specification.

SPECIFICATION:

Rotor Drive Chain Spring Tension Gap
0.040 to 0.060 inch (1 to 1.5 mm)

To adjust the spring tension, loosen the lower jam nut on the threaded rod.

Turn the adjustment nut on the top side of the frame support until the specification is met.

Once set, tighten the lower jam nut properly. See Figure 127.

NOTE:

If a new tensioner is installed, set the spring tension to the high end of the specification, and check the tension after the first Ag-Bag is completed.

The tensioner used is a stationary plastic guide that does not rotate during operation. The chain will wear into this guide quickly until the rollers of the chain contact the plastic.

If the chain “slaps” during operation, increase the tension up to a maximum of 0.080 inch (2 mm) for the crop conditions that are causing the condition.

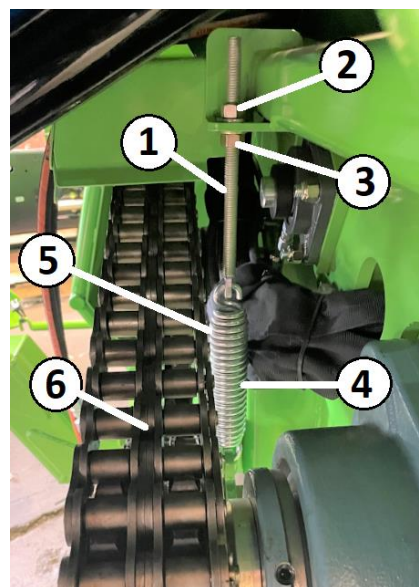


Figure 127. Rotor Drive Chain Tension

Key 1 – Threaded Rod
Key 2 – Adjuster Nut Key 3 – Jam Nut
Key 4 – Spring Gap Location
Key 5 – Spring Key 6 – Chain
(Shield removed for clarity.)



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

Bag Boom



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

The bag boom is adjustable for height, handle position and pulley position.

The boom can be adjusted down to rest the tube on top of the bag cradle for transport.

When in use, it can be adjusted up to allow for better handling of the bag cradle, tunnels, and backstop.

Typically, higher bag boom positions will allow for easier handling of attachments.

Adjust the turnbuckle to adjust the bag boom. Do not overextend the turnbuckle in adjustment beyond the specification.

SPECIFICATION:

Bag Boom Turnbuckle Maximum Length
(Measured pin-center to pin-center,
Figure 128, Key 2)

31" (78 cm)

See Figure 128.

The pulley is aligned to the center of the bag cradle when in Ag-Bagging position.

Typically, the pulley will be in the end hole for larger tunnels and the first or second inside

The pulley is adjusted by using the cross pin and selecting a hole.

The handle is also adjustable and serves as a locking device for the bag boom in transport position by locking into a position on the frame. Use the cross pin at the handle to secure the handle up or down.

Always keep the hook of the cable attached to the machine and the cable tensioned for transport. Secure any loose components to the machine properly in transport.

Be aware of bystanders during operation and adjustment of the bag boom.

IMPORTANT:

1. Do not adjust the bag boom under load.
2. Do not overextend the turnbuckle.
3. Do not climb on machine to adjust the bag boom. With the help of an assistant, safely use a step ladder to access the components.
4. When adjust the turnbuckle, lock the part in place with the locking plate.

Failure to do so may result in machine damage or personal injury.

See Figure 128.

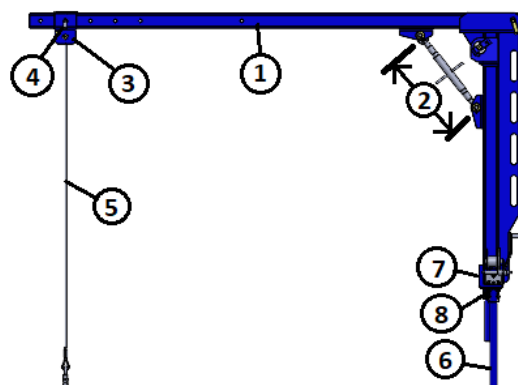


Figure 128. Bag Boom

Key 1–Boom Key 2–Turnbuckle Length
Key 3 – Pulley Key 4 – Pulley Cross Pin
Key 5 – Cable Key 6 – Handle
Key 7 – Winch Key 8 – Handle Pin

Bag Cradle



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

The bag cradle wings are adjustable for different sizes of tunnels.

The bag cradle performs best when it rests on the curvature of the tunnel when in the storage position.

To adjust the bag cradle, remove the lower bolt of the chain and adjust to take up chain slack when the bag cradle is resting on the tunnel.

When on an extension, the cradle will sit on top of a tube and the wings need to rest on the tunnel extension sheet metal to reach the hook points to move the extensions.

The chain can be moved between different links at the mounting bolt. In addition, two mounting holes are provided to take up the distance of a half link in the chain.

Install the chain with slack removed, but no tension on the chain.

Install the bushing between the chain and the cradle wing.

Tighten all hardware properly.

See Figure 129.

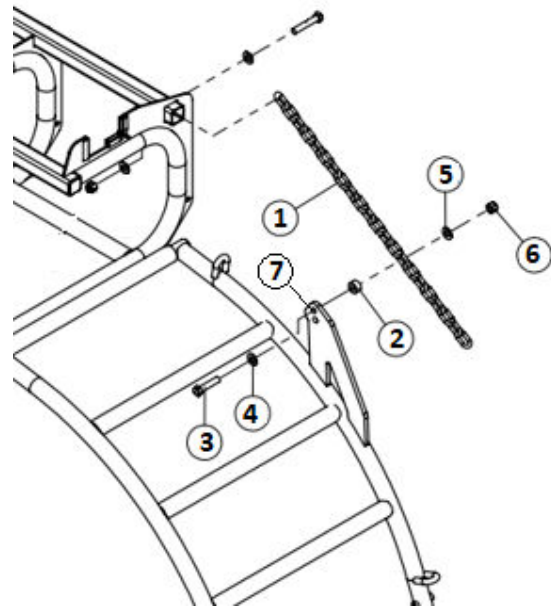


Figure 129. Bag Cradle Adjustment
Key 1 – Chain Key 2 – Bushing
Key 3 – Bolt Key 4 and 5 – Washer
Key 6 – Nut Key 7 – Mounting Holes

Tunnel Cleanout and Stripper Bar Plate



WARNING:
DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.

The stripper bar plate and cleanout door are accessible when the tunnel cleanout door is in the open position. Refer to *Tunnel Cleanout Operation* section in this manual.

Before performing any work in this area, disconnect the PTO from both the tractor and the gearbox and place it in the storage position near the storage compartment towards the rear of the machine.

Stripper Bar Plate to Rotor Clearance

The stripper bar plate to rotor clearance is adjustable using shims at the cleanout door.

To adjust, loosen the nuts on the carriage bolts that secure the shims to the cleanout and the stripper plate to the cleanout, only at the locations where the shims are positioned.

Add or remove shims to adjust clearance to specification. Adjust all shims evenly.

SPECIFICATION:

Rotor to Stripper Bar Plate Clearance
1/2 inch (13mm) from tooth to tube

See Figure 130 and 131.



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

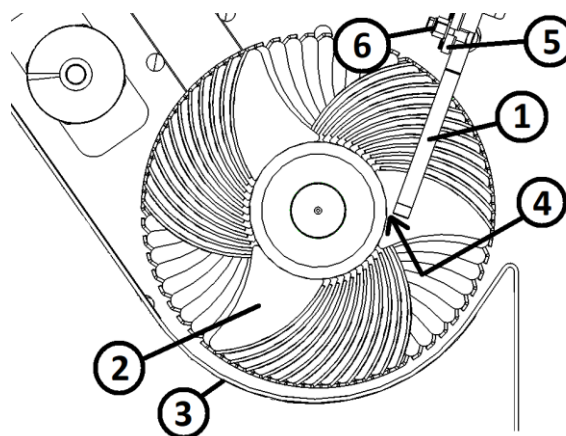


Fig. 130. Stripper Bar Plate Clearance
Key 1–Plate Key 2–Rotor Key 3–Floor
Key 4 – Clearance Location
Key 5 – Shims Key 6 – Nut

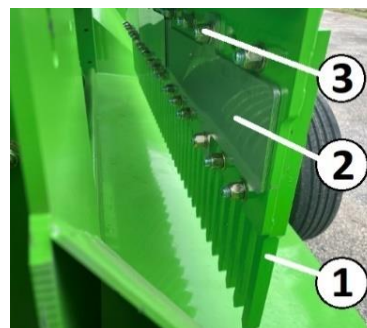


Figure 131. Stripper Bar Plate Shim
Key 1–Plate Key 2–Shim Key 3–Nut

Cleanout Door to Frame Clearance

The cleanout door can be adjusted side-to-side to fit tightly in the frame and to fine-tune the stripper bar plate alignment.

The cleanout door should be adjusted using the provided shims before adjusting the stripper bar plate for tooth alignment.

To adjust the cleanout door to the frame, add or remove shims at each end of the door at the guides.

Install shims as needed to have a tight fit at the cleanout door with less than .040" (1mm) lateral movement when in the closed position. See Fig. 132 and 133.

Stripper Bar Plate Tooth Alignment

The stripper bar plate must be aligned relative the rotor to allow for proper tooth clearance.

This adjustment is typically made when replacing the stripper plate or rotor tine caps.

The rotor should clear the stripper bar plate without excessive contact that could cause wear or machine damage. Grinding of tine caps may be necessary during replacement to clear the stripper plate.

To adjust the stripper bar plate, loosen the carriage bolts at the plate and adjust the stripper plate side-to-side as needed.

Rotate the rotor by hand slowly (with PTO disconnected as outlined on previous page) and ensure that the rotor clears the stripper bar plate as desired.

Tighten all hardware properly. See Figure 134.

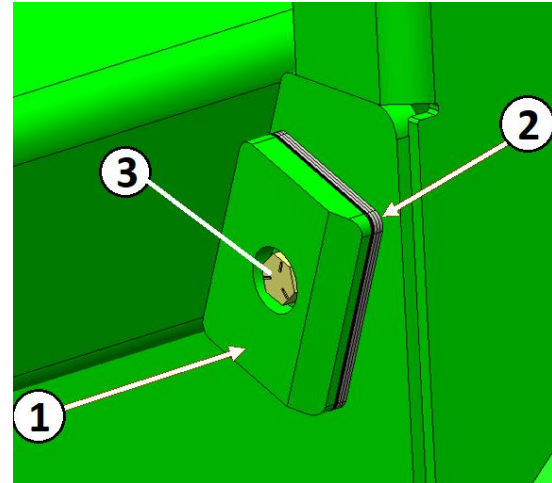


Figure 132. Cleanout Door Guide
Key 1–Guide Key 2-Shim Key 3-Bolt

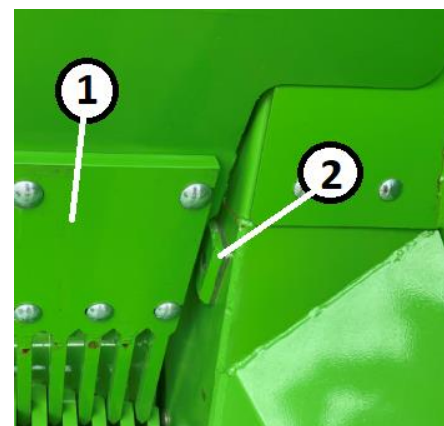


Figure 133. Guide Location
Key 1 – Plate Key 2 – Guide

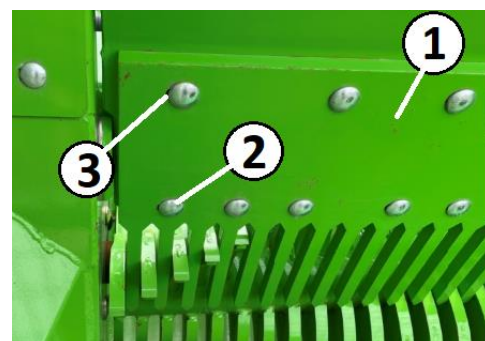


Figure 134. Stripper Plate Adjust
Key 1 – Plate Key 2 – Bolt Key 3 - Slot

Brake System Accumulator Pressure

The brake system features an accumulator to absorb impact loads and thermal expansion effects on the braking system.

The accumulator has a pre-set pressure of 300 psi (2,068 kPa) at 70 deg F (21 deg C).

This accumulator should only be charged by a dealership using the proper equipment.

Be careful around this accumulator and take precautions when working on the unit around this accumulator.

See Figure 135.



Figure 135. Accumulator Location
Key 1 – Accumulator

Changing Tunnels for T7170

When changing tunnels, the tunnels must be unbolted from the tunnel cleanout structure.

To access this hardware, remove the access panel inside the tunnel, if equipped.

If not equipped, the bolts are accessible from the outside of the tunnel.

For the T7060, this information does not apply.

For the T7270 and T7170, the tunnels also feature fork pockets for ease of removal.

Before operation, ensure all parts are installed and hardware tightened properly.

See Figure 136.

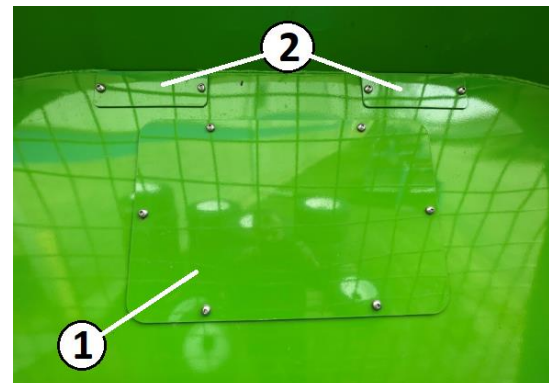


Figure 136. Tunnel Change Access
Key 1 – Cleanout Frame Access
Key 2 – Fork Pocket Covers

11 LUBRICATION AND MAINTENANCE



WARNING:

DO NOT lubricate, adjust and/or service this Ag-Bagger unless the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual has been exercised.



DANGER:

DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

Tire Air Pressure

Interval: Daily

Check and maintain proper tire air pressure. Check pressure daily. Maintain tire air pressure per specification.

SPECIFICATION:

Tire Air Pressure (235/75R17.5)
130 psi (900 kPa) Cold

Tires are rated for 6,000 lbs. (2722 kg).

If alternate tires are used, follow the manufacturer's rating on the sidewall of the tire.

Wheel Lug Nut Torque

Interval: When new, after every 10 miles until torque stabilizes. Then, check monthly. Torque each wheel lug nut per the specification.

SPECIFICATION:

Wheel Lug Nut Torque
5/8" Wheel Studs – 170 ft-lbs. (230 Nm)

Wheel Bearings - Repack

Interval: Annually for non-highway use. For highway use, check wheel bearings monthly. Repack wheel bearings annually.

Use a premium grade of lithium base wheel bearing grease.

Start with carefully raising and supporting each wheel as repacking is performed.

Remove the hub from the spindle and wipe old grease from all components. Inspect the inner and outer cups in the hub for signs of wear.

Pack the cones with clean grease. A pressure grease packer is recommended.

To hand pack cones, force grease under cage between rollers from large end of rollers until grease shows at the small end.

Fill the hub with clean grease to inner diameter of the cup race.

Place cone into the cup. Be certain that the cone is straight.



WARNING:

Failure to correctly lubricate bearing and maintain proper lubrication may result in bearing damage which could cause the wheel to lock and fail during operation.

Install new grease seal. Support the seal so as not to bend the case during installation.

Use grease to lubricate the seal lip.

Place the hub on the spindle. Rotate the hub while performing this step so that the seal lip does not fold under as the lip is installed on the seat of the spindle.

Fill hub cavity with grease.

Place the outer cone on the spindle and into the cup.

Assembly the nut onto the spindle and tighten the nut to 15-20 ft-lbs. (20-27 Nm) while rotating the hub.

Back off the nut until wheel rotates with a slight drag.

Bend at least one of the washer tabs up and into a slot in the nut.

There should be approximately 0.001 to 0.005 inches (0.0254 to 0.1270 mm) of end play.



WARNING:
Failure to back off adjusting nut may cause bearing to heat during operation and may damage the bearing, which could cause the wheel to lock and fail during operation.

Grease inside of dust cover and install dust cover.

Lower wheel to ground and repeat for other wheel.

IMPORTANT:

When using a battery-operated or air-powered grease gun, use the lowest pressure setting on the gun and take care to not damage the plastic grease lines used between the grease fittings and the bearings.

Wheel Bearings - Greasing

Each set of wheel bearings is greased at the hub.

Interval: Daily if towed on highway. Monthly for on-farm use.

Locate the grease fitting on the wheel hub. See Figure 137.

Use a premium grade of lithium base wheel bearing grease.

Wipe off each fitting before attaching the grease gun. Grease each wheel bearing assembly. Wipe off excess grease when finished.

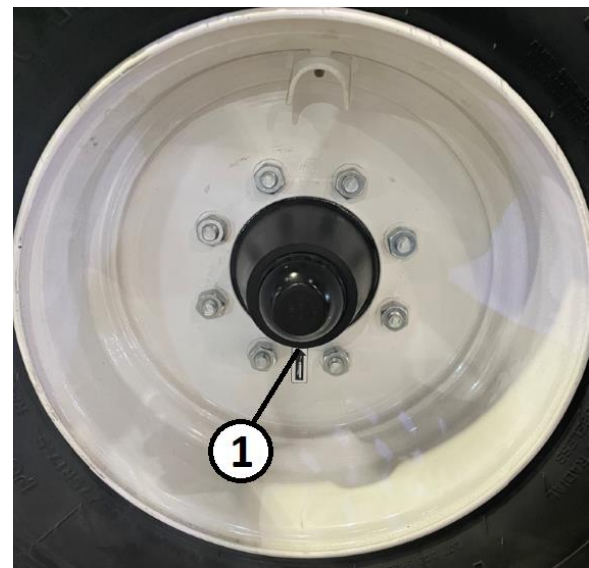


Figure 137. Grease Fitting Location
Key 1 – Grease Fitting

Rotor Bearings

Interval: Every 2 hours of Ag-Bagging.

Each rotor bearing is greased by using a remote mounted grease fitting at the operator station.

The two grease fittings are the first two fittings, numbers 1 and 2, in the row closest to the operator and are indicated with a red circle on the decal to indicate they are a high duty grease cycle.

Wipe off each fitting before attaching the grease gun. Wipe off excess grease when finished.

Grease each rotor bearing with 5 pumps of grease gun from the manual grease gun provided at each interval.

See Figure 138.

Rotor Drive Jackshaft Bearings

Interval: Once per Ag-Bag

Each jackshaft bearing is greased by using a remote mounted grease fitting at the operator station.

The two grease fittings are the middle grease fittings, numbers 3 and 4, in the row and are indicated with an orange circle on the decal to indicate they are a medium duty grease cycle.

Wipe off each fitting before attaching the grease gun. Wipe off excess grease when finished.

Grease each jackshaft bearing with 5 pumps of grease gun from the manual grease gun provided at each interval. See Figure 138.

Forage Distributor Bearings

Interval: Once per Ag-Bag

Each distributor bearing is greased by using a remote mounted grease fitting at the operator station.

The two grease fittings are located the furthest away, numbers 5 and 6, in the row of fittings and are indicated with a yellow circle on the decal to indicate they are a low duty grease cycle.

Wipe off each fitting before attaching the grease gun. Wipe off excess grease when finished.

Grease each distributor bearing with 2 pumps of grease gun from the manual grease gun provided at each interval.

See Figure 138.



Figure 138. Grease Bank
Key 1 and 2 – Rotor Bearings
Key 3 and 4 – Jackshaft Bearings
Key 5 and 6 – Distributor Bearings

Cable Drum Shaft Bearings

Interval: Daily

Each cable drum has a bearing at the outside and inside for support.

There are 4 grease locations total for the cable drum shaft assembly.

Wipe off each fitting before attaching the grease gun.

Grease each bearing and babbitt bearing.

Wipe off excess grease when finished.

See Figures 139 and 140.



Figure 139. Cable Drum Bearing
Key 1 – Grease Fitting

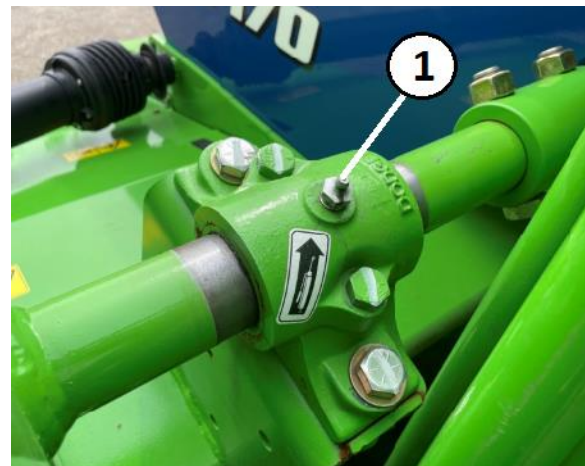


Figure 140. Cable Drum Babbitt Bearing
Key 1 – Grease Fitting

Conveyor Bearings

Interval: Daily

The conveyor has four bearings and that require greasing.

Three bearings are greased through a fitting on the bearing housing.

The top inside bearing is greased through a remote mounted grease fitting

Wipe off each fitting before attaching the grease gun.

Wipe off excess grease when finished.

See Figures 141 and 142.

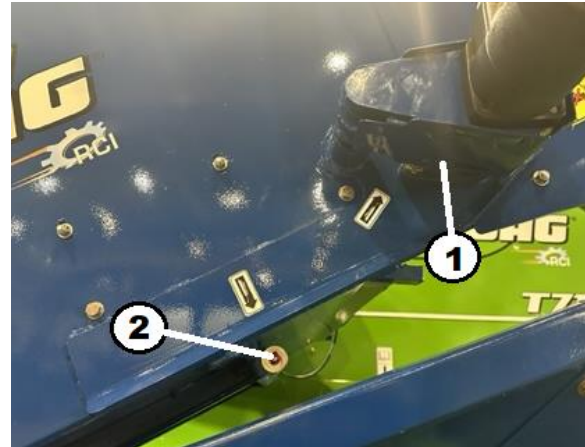


Figure 141. Upper Bearing Greasing
Key 1 – Outer Bearing Grease Fitting
Key 2 – Inner Bearing Grease Fitting

Conveyor Slides

Interval: Annual

The conveyor has four conveyor slide grease fittings and that require greasing.

Two fittings are located at each side of the conveyor.

Wipe off each fitting before attaching the grease gun.

Wipe off excess grease when finished.

See Figure 143.

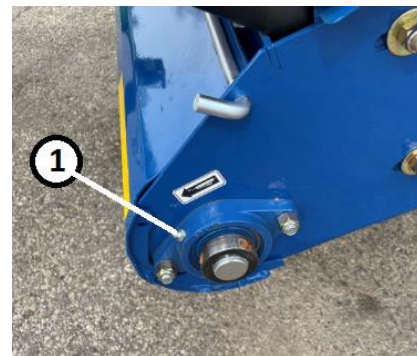


Figure 142. Lower Bearing Greasing
Key 1 – Grease Fitting



Figure 143. Conveyor Slide Greasing
Key 1 – Lower Slide Grease Fitting
Key 2 – Upper Slide Grease Fitting
Note: Outer fittings shown.
See back side for other 2 fittings.

Conveyor Cleanout

Interval: Daily

The conveyor has a lower hopper pan for cleanout to allow the removal of any material accumulated.

Remove the hitch pin clip and the rod to allow the pan to open.

Clean out all accumulated material to prevent damage to components and attraction to rodents.

Close and secure the door with pin and clip before operating.

See Figures 144 and 145.

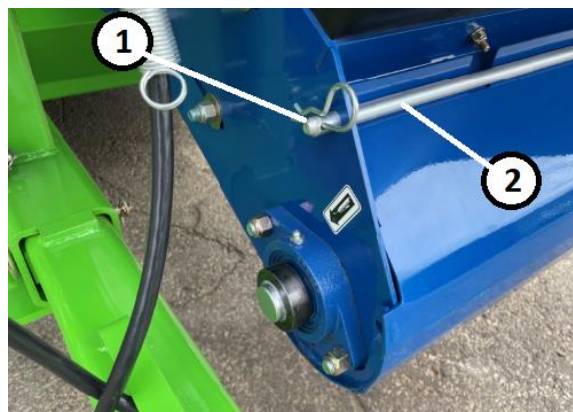


Fig. 144. Conveyor Cleanout Hardware
Key 1 – Hitch Pin Clip Key 2 – Rod



Figure 145. Conveyor Cleanout Open
Key 1 – Conveyor Cleanout Door



DANGER:
DO NOT operate the
Ag-Bagger unless all
guards are in place.
Failure to do so may cause serious
injury or death.

Rotor Drive Chain

Interval: Every 2 hours of Ag-Bagging.



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

With the Ag-Bagger idling, oil the rotor drive chain through the oil slot located in the cover over the rotor drive chain.

Oil drive chain well using SAE 30 oil.

The oil bottle can be stored in the bracket by the operator station.

Alternatively, if the unit is turned off with the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual, the chain can be lubricated by removing the main shield or through the inspection hole behind the round access cover.

See Figures 146 and 147.

Jackshaft Coupler Chain

Interval: Every 2 hours of Ag-Bagging.



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

With the Ag-Bagger idling, oil the jackshaft coupler chain through the oil slot located in the cover over jackshaft, nearest the decal. Oil coupler chain well using SAE 30 oil. The oil bottle can be stored in the bracket by the operator station. See Figure 148.



Figure 146. Rotor Drive Chain Oiling
Key 1 – Oiling Slot
Key 2 – Drive Cover
Key 3 – Inspection Hole
Key 4 – Bottle Storage

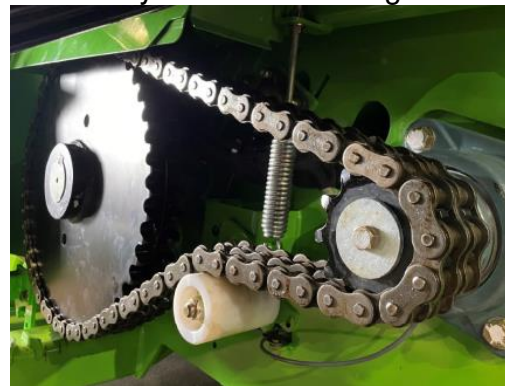


Figure 147. Rotor Chain

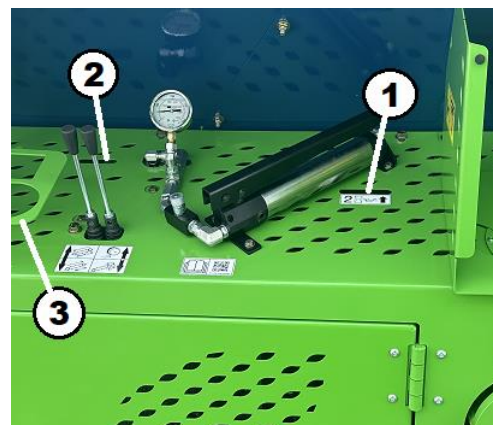


Figure 148. Jackshaft Oiling
Key 1 – T7170 and T7060 Slot
Key 2 – T7270 Slot
Key 3 – Bottle Storage

Hydraulic Pump Drive Chain

T7170 and T7060 Only

Interval: Every 2 hours of Ag-Bagging.



DANGER:
DO NOT operate the
Ag-Bagger unless all
guards are in place.

Failure to do so may cause serious
injury or death.

With the Ag-Bagger idling, oil the
hydraulic pump drive chain through the
oil slot located in the access door above
the hydraulic pump drive.

Oil coupler chain well using SAE 30 oil.

The oil bottle can be stored in the bracket
by the operator station.

See Figure 149.



Fig. 149. Hyd. Pump Drive Chain Oiling
Key 1 – Slot Key 2 – Bottle Storage

PTO Shaft

Interval: Daily

Wipe off the grease fittings before
attaching the grease gun.

Grease each u-joint and the shear plates.

Wipe off excess grease when finished.

Apply a coating of grease to the slide
tube inside the PTO shaft at a monthly
interval.

See Figure 150.

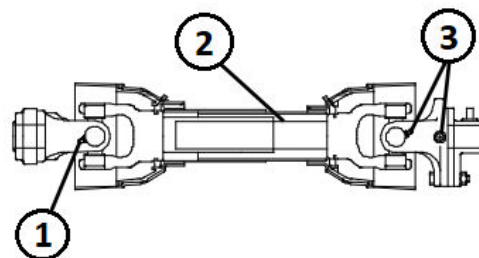


Fig. 150. PTO Shaft Grease Locations
Key 1 – U-Joint Key 2 – Slide Tube
Key 3 – U-Joint and Shear Plate

Bag Boom Pivot

Interval: Monthly

Wipe off the grease fittings before attaching the grease gun.

Grease fitting and swing the bag boom side to side to distribute the grease evenly.

Do not over grease as the pivot tube is open to the bottom side.

Wipe off excess grease when finished.

See Figure 151.

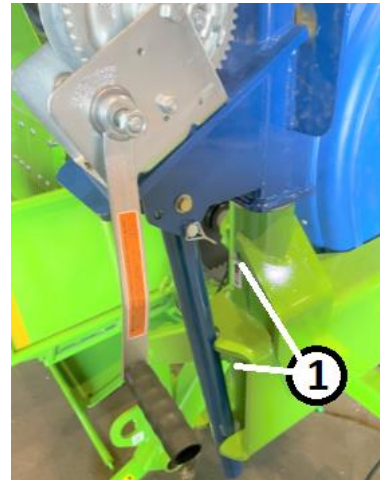


Figure 151. Boom Pivot Greasing
Key 1 – Grease Fittings

Hydraulic Oil Level Check

Interval: Daily

Maintain the oil level in the main hydraulic oil reservoir at a point approximately in the middle to 2/3 of the level indicator at the side of the hydraulic reservoir.

The cap for the tank is a breather cap.

To fill the tank, clean the area around the breather cap, remove the cap, and proceed to fill the tank as needed.

The screen beneath the cap should always be used as a safety for large particles to be screened out of new oil. Clean as needed.

Use only oil that matches the specification.

SPECIFICATION:
Hydraulic Oil ISO Grade 68

Factory Fill: John Deere Hy-Gard

Estimated System Capacity:
22 gal (100 L)

See Figures 152 and 153.

NOTE:
The oil level gauge also has a thermometer built into the side.

When operating, normal operating temperature may be as high as 180 deg F (82 deg C).

Do not allow system to heat to over 200 deg F. If over 200 deg F (93 deg C), shut off the system and allow the temperatures to cool.

Keep the hydraulic reservoir clean to maximize the heat transfer from the reservoir for cooling.

Make sure all components are functioning properly and maintain proper adjustments for all areas outlined in this manual.

It is also best to shut off the PTO when waiting for loads to minimize the heat load on the driveline and the hydraulics.



Fig. 152. Hydraulic Oil Reservoir Level
Key 1 – Hyd. Oil Level Gauge



Fig. 153. Vented Hyd. Reservoir Cap
Key 1 - Cap

Hydraulic Oil Change

Interval: Every 250 hours

The most important element in maintaining hydraulic oil is to keep it clean, filtered and do not allow it to overheat.

Clean, filtered oil is tan colored. If properly maintained, it is usable for a long period of time.

Because it is possible to encounter contamination and possible high temperature applications, it is recommended that the oil be changed every 250 hours of operation.

Any time the oil is changed, the hydraulic oil filter should also be changed.

See *Hydraulic Oil Filter Change* in this section.

If the oil color turns dark brown or black, it is burned from overheating.

If it is “milky” in coloring prior to use, it is contaminated or has taken on moisture. Some “milky” appearance can occur during use depending on the operation conditions.

If either of these conditions are observed, the oil and filter must be changed regardless of the time interval.



WARNING:
Allow hydraulic oil and reservoir to cool prior to proceeding. Hot hydraulic oil can cause severe burns.

Place a suitable container (capable of holding 25 gallons (114 L) under the plug at the bottom of the hydraulic reservoir.

Remove the drain plug from the bottom of the tank to drain the hydraulic reservoir.

Allow the tank to drain completely.

Clean and reassemble the drain plug to the hydraulic reservoir.

See Figure 154.

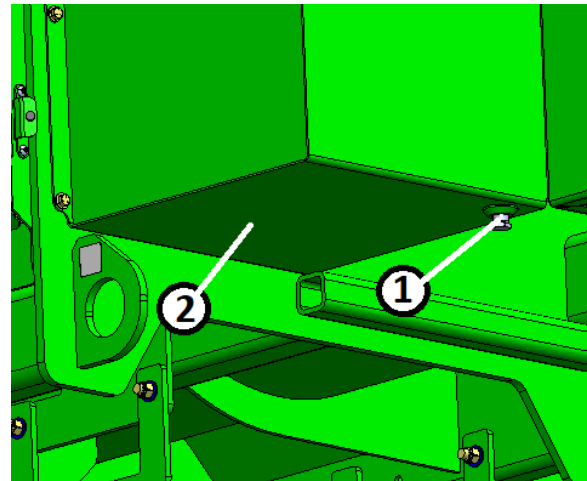


Figure 154. Hydraulic Reservoir Drain
Key 1 – Drain Key 2 - Reservoir

Hydraulic Oil Filter

Interval: Annually and whenever hydraulic oil is changed

The oil filter is located inside the service compartment, near the hydraulic pump and reservoir.

After the unit is turned off with the *Power Shut Down Procedure* in the *Safe Operation of Machine* section of this manual, the system should be allowed to cool.

Open the service door near the storage compartment side of the machine.

Thoroughly clean the area around the hydraulic oil filter head.

Remove the oil filter from the filter head.

Clean the sealing surface of the filter head.

Lightly oil the gasket on the new filter.

Fill the filter with new hydraulic oil and spin on to the filter head.

Hand-tighten the filter to initial contact, then tighten an additional $\frac{3}{4}$ turn.

Replacement oil filters are available from your Ag-Bag dealer by ordering part number AA1540167.

See Figure 155.

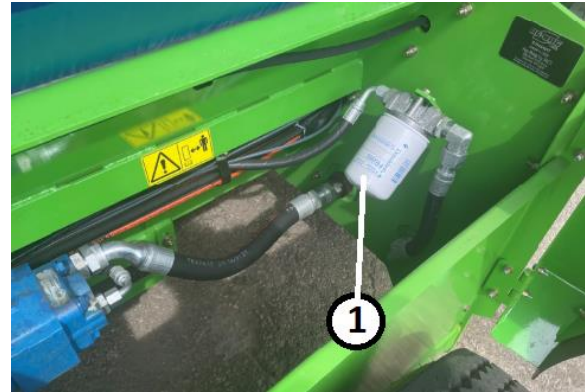


Figure 155. Oil Filter Location
Key 1 – Oil Filter

Gearbox Oil T7170 and T7060 Only

Interval: Annual or whenever hydraulic oil is changed



WARNING:
DO NOT lubricate,
adjust and/or service
the Ag-Bagger unless
the *Power Shut Down*

Procedure in the *Safe Operation of Machine* section of this manual has been exercised.

IMPORTANT:

The T7060 and T7170 gearbox is filled with 75w90 Synthetic Oil from the factory. The approximate capacity of the gearbox is 2-1/2 gal. (9.5 L). Always fill to the bottom of the level plug hole. **DO NOT** mix different oils.

Rotate the cover over the top of the gearbox to expose the fill port and breather on top.

Place a suitable container under the drain plug located on the side of the gearbox by the jackshaft side of the gearbox.

Remove the plug and allow all oil to drain from the gearbox.

After all oil is drained, replace the drain plug and tighten securely.

On the same side of the gearbox as the drain plug, locate the level plug.

Clean the area around the plug and remove.

On the top side of the gearbox, locate the ended fill and breather tube with the breather on top.

Thoroughly clean the area around the breather and remove the breather from the port.

SPECIFICATION:

Gearbox Oil 75w90 Synthetic Oil
Approx. 2.5 gal (11.4L)

Slowly fill the gearbox with 75w90 *Synthetic Oil* until the level reaches the level plug hole. Replace and tighten the level plug.

Inspect and clean the fill and breather after proper level is reached.

Replace and tighten the fill and breather securely to the extended tube.

Close the cover before operating. See Figure 156.

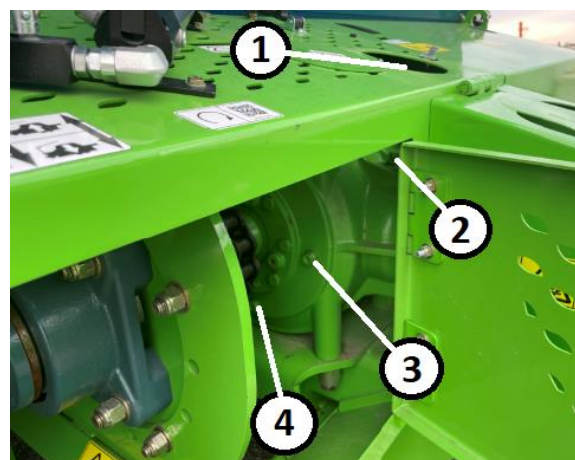


Figure 156. Gearbox Oil
T7060 and T7170

Key 1 – Fill and Breather Access
Key 2 – Fill and Breather

Key 3 – Level Plug Key 4 – Drain Plug

Gearbox and Planetary Oil T7270 Only

Interval: Annual or whenever hydraulic oil is changed



WARNING:
DO NOT lubricate,
adjust and/or service
the Ag-Bagger unless
the *Power Shut Down*

Procedure in the Safe Operation of Machine section of this manual has been exercised.

IMPORTANT:

The T7270 Planetary gearbox is filled with Mobil SHC Gear 220 Synthetic Oil from the factory. The approximate capacity of the gearbox is approximately 1.85 gal. (7 L). Always fill to the center of the sight glass at the right-angle gearbox after running to normalize oil levels. **DO NOT** mix different oils.

SPECIFICATION:

Gearbox Oil

Mobil SHC Gear 220 Synthetic Oil
Approx. 1.85 Gal (7 L)

The right-angle gearbox and planetary share a common sump and are open between them through a bearing on a shaft only. Therefore, whenever filling with oil, it is very important to allow the oil level to normalize between the two after running and warm, and to verify the resulting oil level before applying a load to the machine.

This fill procedure is based on the idea of adding oil to each side of the assembly and then verifying the resulting oil level using the single sight glass on the right-angle gearbox.

Rotate the cover over the top of the gearbox to expose the fill port and breather on top.

Place a suitable container under the drain plugs located on the bottom of the gearbox and planetary.

Remove the plugs and allow all oil to drain from the gearbox and planetary. See Figure 157.

After all oil is drained, replace the drain plugs and tighten securely.

The fill holes are indicated in Figure 157.

Only one fill plug is needed to be used on the planetary and one at the top for the gearbox.

Remove any one fill plug of the planetary. Using a small hose on the oil bottle, add oil to the planetary AND gearbox as outlined below.

Fill the planetary first with approximately 1 gallon (4 L) of the specified gear oil. Install the plug and tighten properly. The remaining oil will be added to the right-angle gearbox.

On the top side of the right angle gearbox, locate the fill plug as indicated and remove.

Fill the right angle gearbox with approximately $\frac{3}{4}$ gallon (3 L) of the specified gear oil. Install the plug.

Close all shields and run the machine at idle for 5 minutes. Follow all safety precautions in this manual and in the tractor manual.

Shut off the unit following the *Power Shut Down Procedure* in the *Safe Operation of Machine* section in this manual. Wait 5 minutes for the oil in the system to settle.

Inspect the oil level at the sight glass. If low, top off the oil in the right-angle gearbox to the top of the sight glass and repeat the process. The planetary side does not need to be topped off.

Repeat the operation of the machine for 5 minutes and repeat the process until the oil level is in the middle of the sight glass after settling.



DANGER:
DO NOT operate the Ag-Bagger unless all guards are in place. Failure to do so may cause serious injury or death.

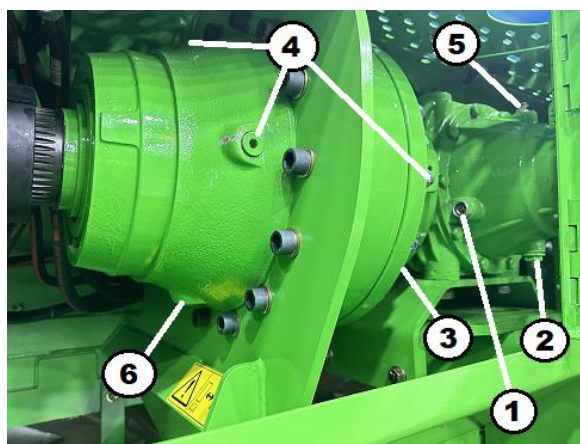


Figure 157. Gearbox and Planetary Oil
T7270 Only

- Key 1 – Sight Glass
- Key 2 – Right-Angle Gearbox Drain
- Key 3 – Planetary Drain
- Key 4 – Planetary Fill (Use any)
- Key 5 – Right-Angle Gearbox Fill
- Key 6 – Do Not Use

Cable Drum Brake Pads

Interval: Replace as needed.

If the cable drum brakes begin to lose the ability to hold the cable drums at the pressure required, the brake pads may need to be replaced.

Replace both pads on the cable drum.

Relieve the brake system pressure by opening the needle valve and the pump valve at the hand pump.

Rotate both knobs counterclockwise.

Remove the cable drum rotor cover from the cable drum mount by removing the retaining bolts at the outside.

See Figure 158.

Remove the worn brake pads and install new. Replacement brake pads are available from your Ag-Bag dealer as a set of two under part number AABN314704.

Once brake pads are replaced, bleed any air from the brake system by using the bleeders on each brake caliper while applying a small amount of hand pump pressure.

See Figure 159.

Check the brake rotors to ensure they are free of rust and are clean and dry.

Replace the cable drum rotor cover before operating.

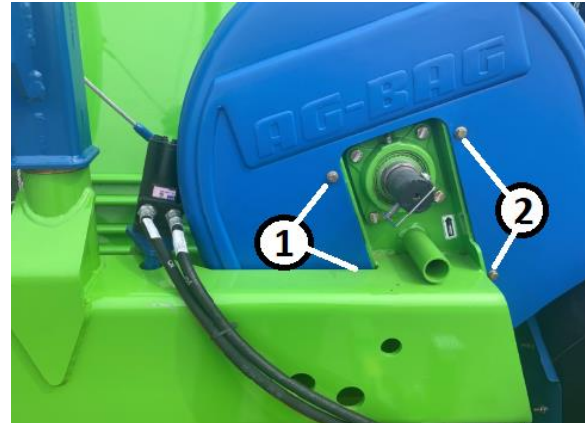


Figure 158. Cable Drum Rotor Cover
Key 1 – Front Bolts Key 2 – Rear Bolts

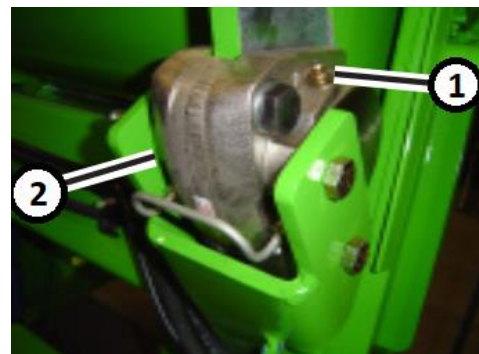


Figure 159. Brake Caliper
Key 1 – Bleeder Valve Key 2 - Caliper

Cables

Interval: Once Per Ag-Bag

IMPORTANT:

ALWAYS wear gloves when handling or working with cables.

Check the cables at the end of each Ag-Bag before the tension is released.

Check each cable for frayed spots, kinks, broken strands, or thin spots.

Check the cable ends making sure the cable is not pulled from the sleeve.

If any damage to a cable is found, replace the cable before using the machine again.

The cables are 295' (90m) long and are 3/8" (9.53mm) in diameter.

IMPORTANT:

Only use Genuine Ag-Bag parts. Failure to do so may result in unintended consequences.

PTO Shear Bolts

Interval: As Required

IMPORTANT:

NEVER replace a shear bolt with one that is a different size or grade.

If the shear bolt in the PTO shaft should break, spare shear bolts are stored under the cover for the storage compartment.

When installing a new shear bolt, tighten the shear bolts properly.

Always close and secure the cover over the storage compartment before using the Ag-Bagger. See Figure 160.

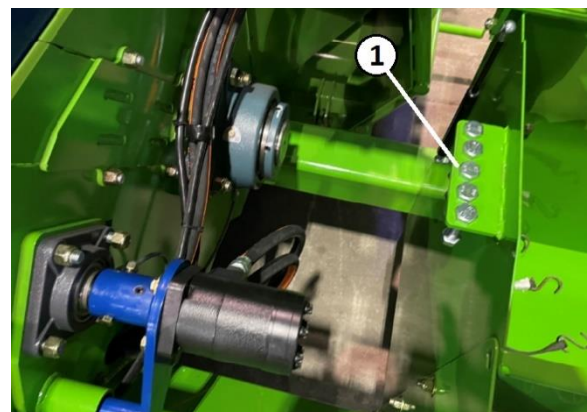


Figure 160. Shear Bolt Storage Location
Figure 1 – Shear Bolt Storage

Brake System Oil

Interval: As Required

If the hand pump is low on oil and does not maintain the ability to pump correct pressure, the reservoir on the pump needs to be refilled.

IMPORTANT:

Only use hydraulic jack oil in the hand pump. DO NOT use brake fluid in this system. Brake fluid will cause the seals to deteriorate and the hand pump to fail.

Before refilling, release any pressure in the brake system by opening the needle valves. Remove the filler plug.

Fill the pump with hydraulic jack oil to within approximately 1" (25 mm) of the bottom edge of the filler hole.

It may be easiest to use a camera phone to take a picture of inside of the hand pump. Alternatively, use a clean object as a dipstick to check the oil level due to location. Take care to keep foreign material out of the pump.

Install the fill plug. Bleed air from the pump chamber by opening pump valve (turning knob counterclockwise) and pumping the handle about 20 times.

Bleed the air from the brake system using the bleeders at the calipers.

Close the pump valve, open the needle valve, open the bleeders, and operate the pump until all air is purged from the system. Close the bleeders and the valves.

Check the oil level in the pump reservoir.

NOTE: As the brake pads wear, the oil level in the hand pump will decrease.

When new brake pads are installed and the calipers compressed to fit the new brake pads, hydraulic jack oil may need to be removed from the reservoir of the hand pump.

NOTE:

Do not overfill the hand pump. An air pocket is required for the pump to work properly.

Apply a quality grade of grease to all pivot and rubbing points on the pump. Do not use dry lubricants.

NOTE:

The braking system uses an accumulator to allow the brake system pressure to be more stable with fluctuations of temperature. Pumping to increase pressure on systems with an accumulator will take more hand pumps to increase the pressure compared to other models without accumulators.

See Figure 161.



Figure 161. Brake System Hand Pump
Key 1 – Fill Plug Key 2 – Pump Valve
Key 3 – Needle Valve

Rotor Tooth Tine Caps

Interval: As Required



WARNING:
DO NOT lubricate,
adjust and/or service
the Ag-Bagger unless
the **Power Shut Down**

Procedure in the Safe Operation of Machine section of this manual has been exercised.

Shut off tractor, place in Park, remove the key and remove the PTO shaft from the tractor AND the gearbox. Place PTO shaft into storage position near the storage compartment.

Periodically check the wear of the rotor tine caps.

Replace the caps if they show any of the following signs of wear:

- Cap is worn and pointed.
- Sides of cap are worn to leave more than 1/8" (3mm) gap between cap and stripper bar.
- Cap is bent or torn.
- Cap is missing.

To replace the cap, rotate the rotor by hand until the damaged or worn rotor cap is accessible from the tunnel side of the stripper bar.

Remove the existing rotor cap from the rotor tooth.

Clean up the rotor tooth.

Place the new rotor tooth cap on top of the rotor tooth. The cap should be centered in the space between the two stripper bars.

Check to ensure the cap is straight with the tooth and weld across both ends and in the slots of the cap.

NOTE:

If the space on either side of the new rotor tooth cap exceeds 1/8" (3mm), the stripper bar plate may need replacement. Contact your Ag-Bag dealer.

NOTE:

For removal of the caps, it may be easier to open the tunnel cleanout or to remove the stripper plate prior to beginning the work. Follow the appropriate sections of this manual for operation of the tunnel cleanout and stripper plate removal.

See Figure 162.

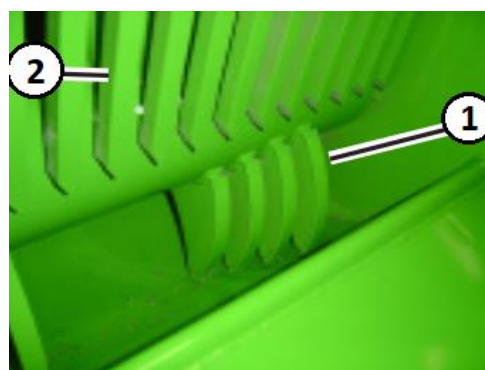


Figure 162. Rotor Tooth Tine Cap
Key 1 – Cap Installed
Key 2 – Stripper Bar Plate

Stripper Bar Plate

Interval: As Required

The stripper bar plate should be replaced whenever the gap between a new tine cap and the stripper bar plate exceeds 1/8" (3mm).

To replace the stripper bar plate, it is best to open the tunnel cleanout and remove the bolts of the stripper bar plate.

See the *Cleanout Operation* section of this manual for information regarding the operation of the tunnel cleanout.

When installing a new stripper bar plate, the cleanout guides, and the stripper bar plate must be properly adjusted for proper operation.

Refer to the *Tunnel Cleanout and Stripper Bar Plate* section in the *Adjustments* section of this manual.

NOTE:

Sections of the stripper bar plate can be replaced if needed. See parts pages for more details on the components. Worn or damaged sections can be cut out of the plate and a smaller section can be bolted in the assembly.

When installing a new stripper bar plate and adjusting, always tighten hardware properly and check clearance of the stripper bar plate to the rotor before Ag-Bagging.

See Figures 163 through 165.

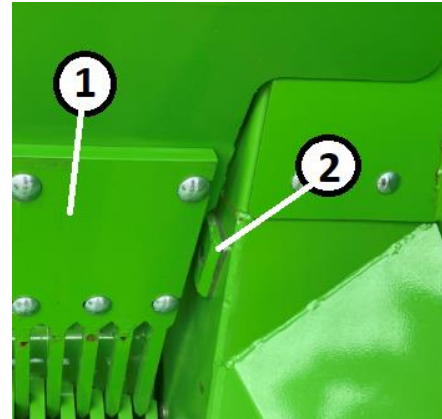


Figure 163. Guide Location
Key 1 – Plate Key 2 – Guide

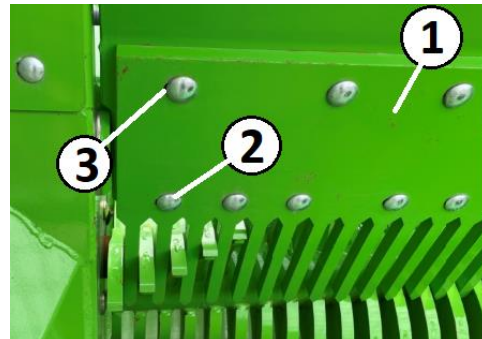


Figure 164. Stripper Bar Plate Adjust
Key 1 – Plate Key 2 – Bolt Key 3 – Slot

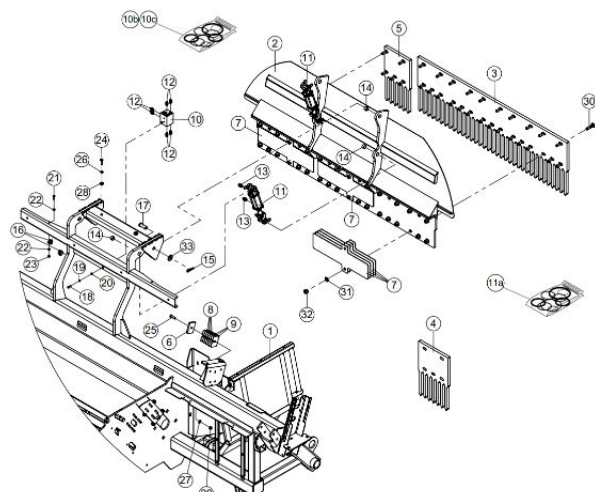


Figure 165. Stripper Bar Plate Parts

12 SERVICE

Torque Specifications

NOTE: Use these torque values when tightening hardware, excluding lock nuts, self-tapping screws, thread forming screws, and sheet metal screws unless otherwise specified. All torque values are in lb-ft except those marked with an (*) which are lb-in.

For metric torque value Nm, multiply lb-ft by 1.355 or for lb-in multiply by 0.113).







Unified National Thread	Grade 2 		Grade 5 		Grade 8 	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18	11	9	17	13	25	18
5/16-24	12	9	19	14	25	20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	35
7/16-14	32	24	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	50	35	75	55	110	80
1/2-20	55	40	90	65	120	90
9/16-12	70	55	110	80	150	110
9/16-18	80	60	120	90	170	130
5/8-11	100	75	150	110	220	170
5/8-18	110	85	180	130	240	180
3/4-10	175	130	260	200	380	280
3/4-16	200	150	300	220	420	320
7/8-9	170	125	430	320	600	460
7/8-14	180	140	470	360	660	500
1-8	250	190	640	480	900	680
1-14	270	210	710	530	1000	740
Metric Course Thread	Grade 8.8 		Grade 10.9 		Grade 12.9 	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
M6-1	8	6	11	8	13.5	10
M8-1.25	19	14	27	20	32.5	24
M10-1.5	37.5	28	53	39	64	47
M12-1.75	65	48	91.5	67.5	111.5	82
M14-2	103.5	76.5	145.5	108	176.5	131
M16-2	158.5	117.5	223.5	165.5	271	200

Figure 166. Torque Specification Chart

Hydraulic Fittings



WARNING:

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pin holes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. **DO NOT** use your hand to search for leaks.

Tightening O-Ring Fittings*

Inspect O-ring and seat for dirt or defects.

On angle fittings, loosen the lock nut until the washer bottoms out at top of groove.

Hand-tighten fitting until backstop washer or washer face (if straight fitting) bottoms on face and O-ring is seated properly.

Position angle fittings by unscrewing less than one turn.

Tighten straight fittings to torque indicated in the provided chart.

Tightening Flare-Type Fittings*

Check flare and flare seat for defects.

Align hose end with fitting prior to tightening.

Lubricate connection and hand tighten swivel nut until snug.

To prevent twisting of the hose, use two wrenches. Place one wrench on the

hose end body. With the second wrench, tighten the swivel nut to the torque indicated in the chart provided.

*Torque values shown are based on lubricated connections in reassembly.

Thread Size (In.)	Nut Size Across Flats (In.)	Torque Value*		Recommended Turns To Tighten (After Finger Tightening)	
		(Nm)	(lb-ft)	(Flats)	(Turns)
3/8	1/2	8	6	2	1/3
7/16	9/16	12	9	2	1/3
1/2	5/8	16	12	2	1/3
9/16	11/16	24	18	2	1/3
3/4	7/8	46	34	2	1/3
7/8	1	62	46	1-1/2	1/4
1-1/16	1-1/4	102	75	1	1/6
1-3/16	1-3/8	122	90	1	1/6
1-5/16	1-1/2	142	105	3/4	1/8
1-5/8	1-7/8	190	140	3/4	1/8
1-7/8	2-1/8	217	160	1/2	1/12

Figure 167. O-Ring Fitting Torque Chart

Tube Size OD (In.)	Nut Size Across Flats (In.)	Torque Value*		Recommended Turns To Tighten (After Finger Tightening)	
		(Nm)	(lb-ft)	(Flats)	(Turns)
3/16	7/16	8	6	1	1/6
1/4	9/16	12	9	1	1/6
5/16	5/8	16	12	1	1/6
3/8	11/16	24	18	1	1/6
1/2	7/8	46	34	1	1/6
5/8	1	62	46	1	1/6
3/4	1-1/4	102	75	3/4	1/8
7/8	1-3/8	122	90	3/4	1/8

Fig. 168. Flare-Type Fitting Torque Chart

Hydraulic System Pressure

SPECIFICATION

System Relief Pressure:

2,500 psi (17,236 kPa) maximum

Hand Control Manifold Pressure Relief Adjustment:

1. Locate the pressure relief cartridge on the hand control manifold.
 - a. For the T7060, this cartridge is located on the hand control manifold and the operator station.
 - b. For the T7170 and T7270, this cartridge is located on the hand control manifold next to the toolbox. Do not adjust the valve nearest the hand pump as the two valves are connected in series. Only adjust the valve nearest the toolbox.
2. Use a 13mm wrench to remove the jam nut.
3. Use a 4mm Allen wrench to turn the adjustment screw.
 - a. As viewed from the front:
 - i. CW (turns screw in) increases the press.
 - ii. CCW (turns screw out) decreases the pressure
 - b. ¼ turn = approximately 100 PSI at rated speed
 - c. Pressure relief is set to 2500 PSI from the factory
4. Reinstall the jam nut

Make sure oil is above 100 deg F before testing pressure. See Figure 169. Test relief pressure by installing a pressure gauge on the pressure line from the pump and by bottoming out one of the hydraulic functions.

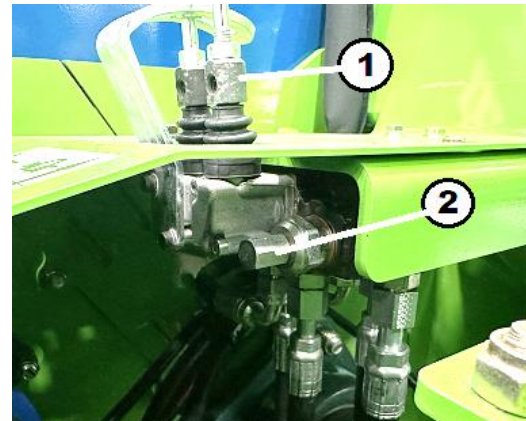


Figure 169. Pressure Adjustment
Key 1 – Hand Valve
Key 2 – Relief Cartridge

Lubrication Specifications

T7060 and T7170 Gearbox

Type of Oil	75W90 Synthetic Oil
Capacity	2-1/2 Gal (9.5 L)

T7270 Planetary and Gearbox

Type:	Mobile SHC Gear 220 Syn.
Capacity	Approx. 1.85 Gal (7 L)

Hydraulic System

Type of Oil	ISO Gr 68 Hyd. Oil
Capacity	22 gal (100 L)
Factory Fill	John Deere Hy-Gard

Hand Pump

Type of Oil	Hydraulic Jack Oil
-------------	--------------------

Grease

Type:	Gr. 2 Lithium Complex EP
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Wheel Bearings

Type:	Gr. 2 Lithium Complex EP
-------	--------------------------

Rotor Chain

Type of Oil	SAE 30
-------------	--------

Jackshaft Coupler Chain

Type of Oil	SAE 30
-------------	--------

Hydraulic Pump Drive Chain

Type of Oil	SAE 30
-------------	--------

14 THEORY OF OPERATION

Hydraulic System

The hydraulic systems of the T7270, T7170 and T7060 are self-contained and open-center.

The PTO drives a pump drive through the gearbox. The pump pressurizes the control manifold.

System pressure is protected by a relief valve built in the control manifold.

The brake system is independent of the hydraulic system and is powered by a hand pump.

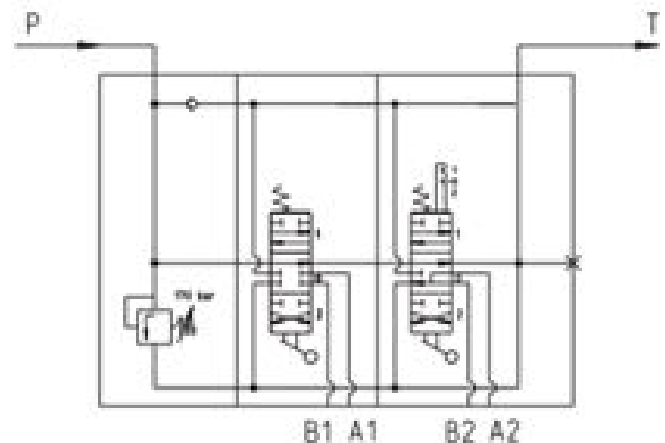


Fig. 170. Manifold Functional Schematic

SPECIFICATIONS:

System Relief Pressure:

2,500 psi (17,236 kPa) maximum

Brake Accumulator Pressure:

300 psi at 70 deg F
2,068 kPa at 21 deg C

The forage distributor motor is in series with the conveyor circuit. This is to protect the system from overload.

If the forage distributor slows or stops, the conveyor will also slow and stop.

In this event, stop the conveyor and allow the hopper to empty. Then start and stop the forage distributor to release any lodged material. Allow the hopper to clean out before continuing.

The functional hydraulic schematic for each machine is found on the following pages in Figures 171, 172 and 173.

See Figure 170 for manifold functional schematic.

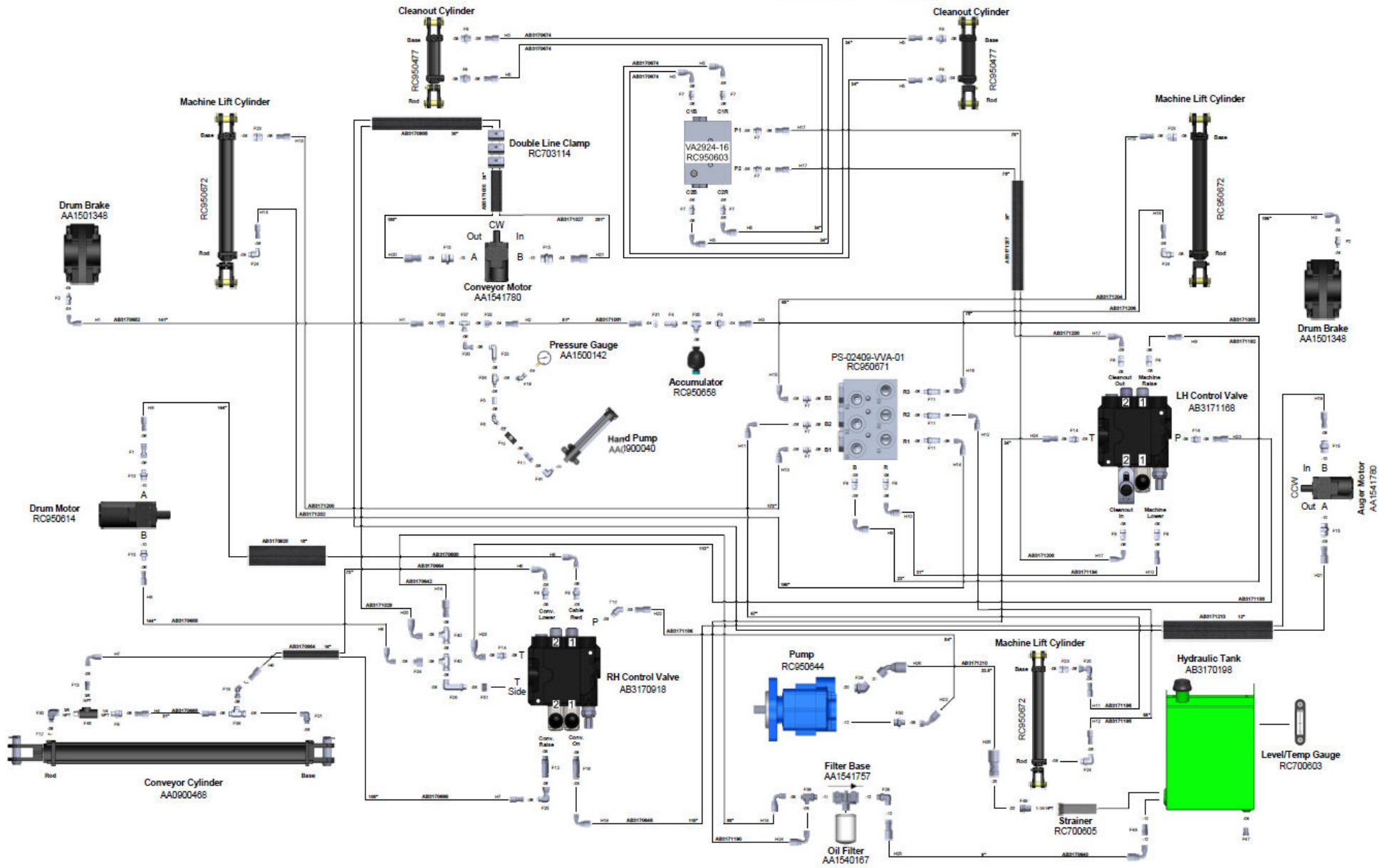


Figure 171. T7270 Hydraulic Functional Schematic

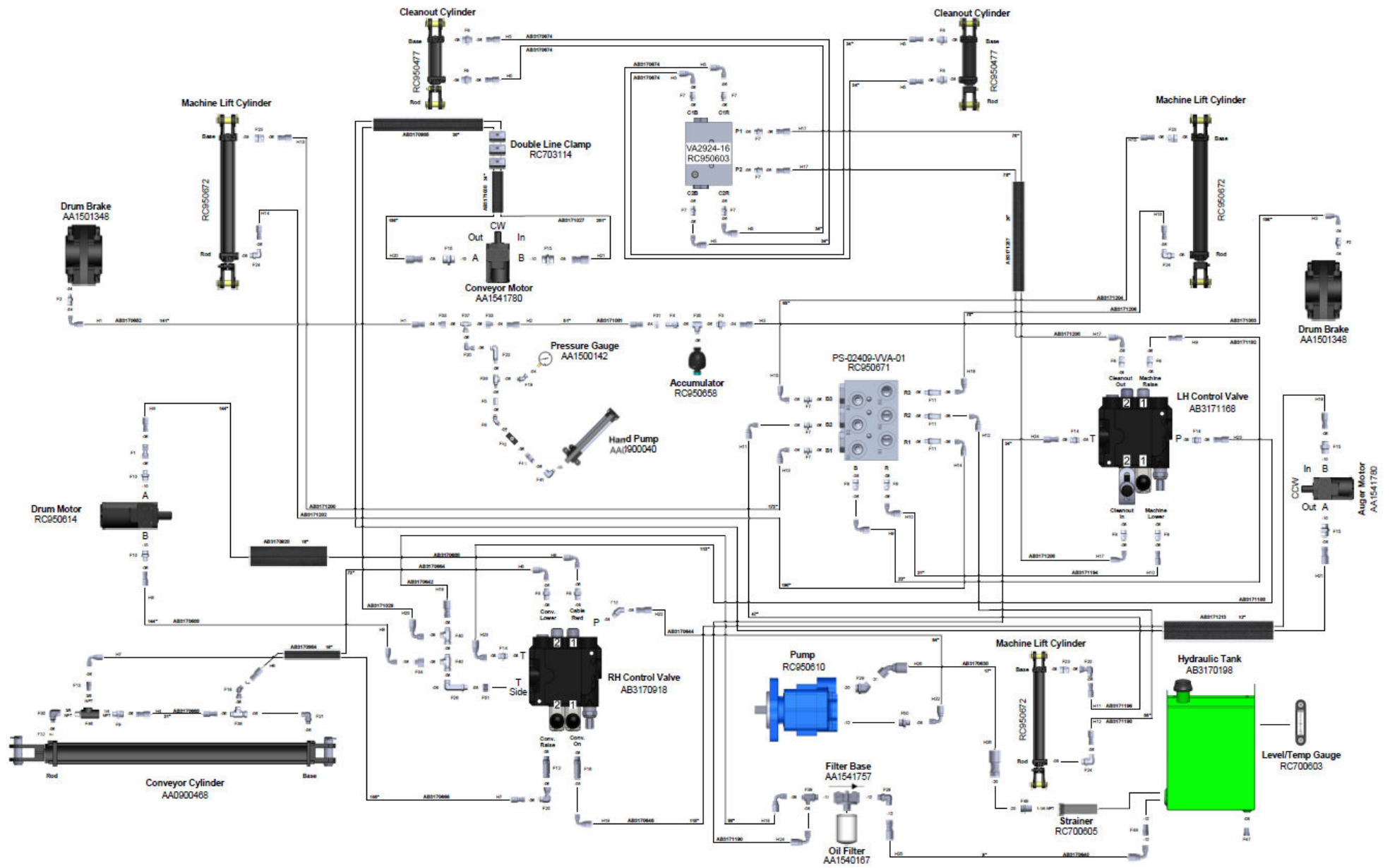


Figure 172. T7170 Hydraulic Functional Schematic

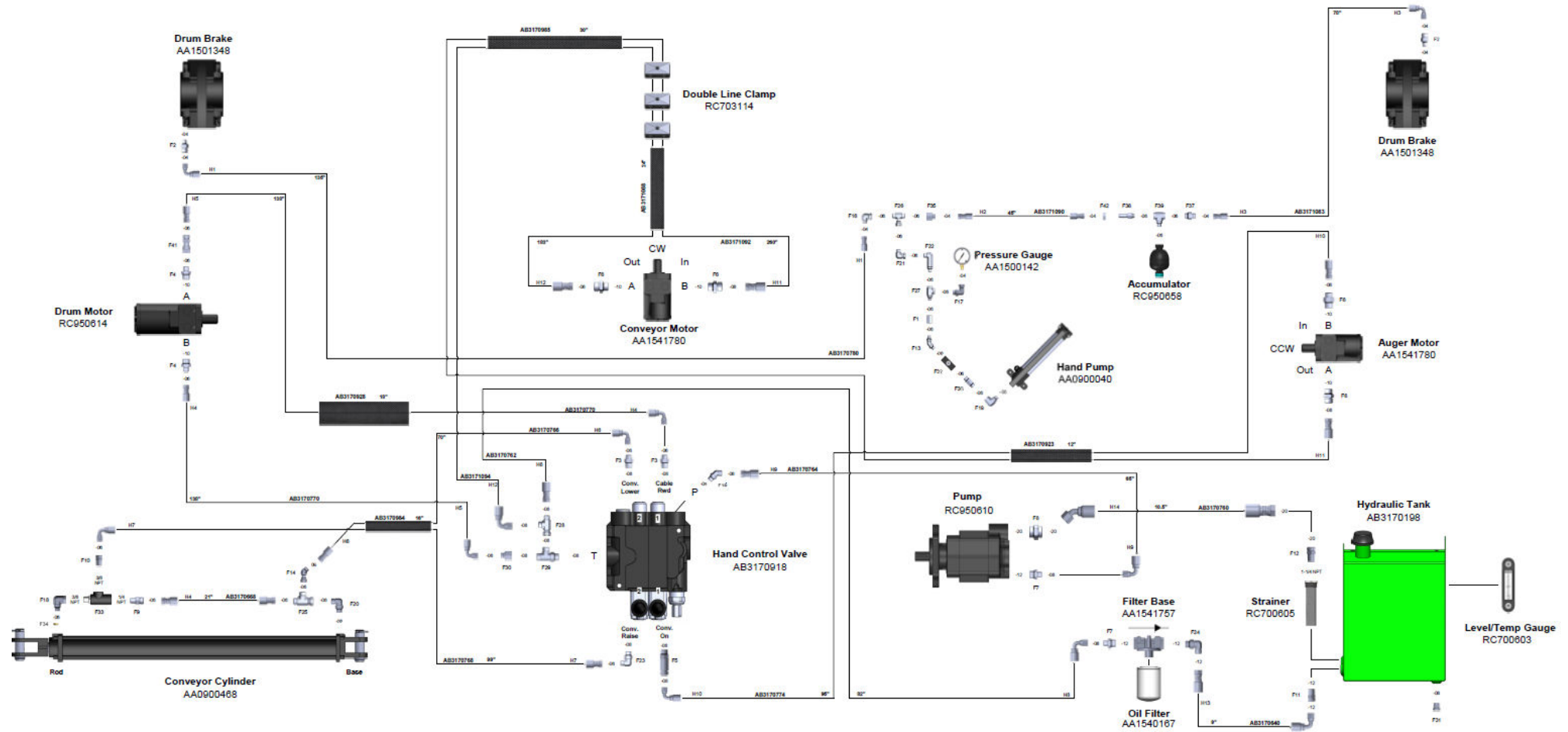


Figure 173. T7060 Hydraulic Functional Schematic

Electrical System

The T7270, T7170 and T7060 have an electrical harness for the inoculant system and a separate harness for transport lighting.

For the inoculant system, refer to the manual provided with the system.

For the transport lighting harness, the following is a description of wiring functions.

<u>Wire Color</u>	<u>FX Color</u>	<u>Function</u>
WHT	Ground	Ground
YEL	Br. Amber	LH Turn + FL
RED	Br. Red	Stop
GRN	Br. Amber	RH Turn + FL
BRN	Dim Red	Tail Lamps

15 Troubleshooting

Symptom	Cause	Solution
Rotor stops rotating. PTO shaft continues to turn.	Shear bolt on PTO shaft broken.	Replace shear bolt.
		Check and remove obstruction from hopper.
		Check for further damage.
Conveyor apron slows down or stops.	Forage distributor is overloaded.	Check that conveyor is centered on hopper.
	Conveyor is not centered on hopper.	Center conveyor on hopper.
	Build-up of product around lower apron shaft.	Open cleanout door and remove product from shaft.
	Hydraulic drive motor worn or seals leaking	Repair or replace hydraulic drive motor.
	Conveyor apron out of adjustment.	Adjust apron as required.
Brakes fail to hold cable drum at proper tension.	Cable drum brake pads worn.	Replace brake pads.
	Hand pump low on hydraulic jack oil.	Refill hand pump with hydraulic jack oil.
	Brake pad contact area on drum rotor rusty or corroded.	Clean rust or corrosion from drum rotor area.
	Air in brake lines.	Bleed air from system.
Conveyor fails to move down to operating position.	Dirt build-up on conveyor slides.	Clean and re-apply grease to slides.
Ag-Bag damage while Ag-Bagging.	Cables contacting Ag-Bag during operation.	Adjust cable tension to change shape of Ag-Bag.
		Place cardboard between cable and Ag-Bag at point of contact.
	Sharp objects on tunnel.	File or remove sharp corners or objects.
	Tunnel extension lifting loop stuck in the up position.	Place tunnel extension loop in lowered position (flat against extension).
Multiple folds of Ag-Bag are sliding off tunnel.	Bag pan does not have proper tension.	Tie knots in the bungee cords until proper spacing is obtained (about 3/4" or 19 mm) between bag pan and tunnel floor.
	Tunnel bungee cord not properly installed.	Check bungee installation. Ensure bungee is still hooked at both ends and that all tie strings are still in place.
Brake pressure will not increase while operating hand pump.	Too much oil in hand pump.	Loosen fill plug and operate hand pump. If this corrects symptom, drain some oil from hand pump.
	Hand pump low on hydraulic jack oil.	Refill with hydraulic jack oil.

16 Storage

Before placing the Ag-Bagger into storage, prepare the unit properly.

1. Remove any product or acidic juices which will cause corrosion.
2. Open the cleanout door at the lower end of the conveyor and thoroughly clean out any product. Close the cleanout door when complete.
3. Clean out the inoculant applicator (if so equipped). Drain all liquid from unit.
4. Thoroughly wash and clean the entire Ag-Bagger.
5. After washing and prior to placing the Ag-Bagger into storage, grease and lubricate all moving parts on the Ag-Bagger. Use only oils and lubricants recommended in this manual.
6. With the Ag-Bagger running at low idle, grease both rotor bearings 20 pumps each to purge the bearings of old grease and any acidic juices that might still be present in or around the bearing.
7. Remove the rotor chain guard and remove the rotor chain from the sprockets. Soak the rotor chain in diesel fuel to clean the entire chain. When the chain is clean, soak the entire chain in oil to lubricate all the rollers.
8. Check the sprockets on the Ag-Bagger for any signs of wear. Repair or replace as needed.
9. Install the rotor chain on the sprockets. Install the rotor chain guard on the Ag-Bagger.
10. Drain the gearbox and refill with new oil. Use only oil recommended in this manual.
11. Check for wear on the rotor tooth tine caps. Replace if worn down or sharp. Also replace if there is more than 1/8" (3mm) spacing between the rotor tine caps and the stripper bar.
12. Remove all bungee cords from the Ag-Bagger and store them in the storage compartment. Use a ratchet strap or other device to hold the bag pan up during storage.
13. Release all pressure from the drum brake system. Place the pump handle in the lowered position and close the needle valves.
14. Apply a light coating of oil to the cables to prevent rusting during storage.
15. Store the Ag-Bagger inside to keep out of the weather during storage.

17 SET-UP AND ASSEMBLY

This product is shipped in a narrow configuration and requires minimal setup for field use. Once set-up is complete, review all adjustments in the *Adjustments* section of this manual and adjust as needed.

Inspect the Unit for Damage

When the unit arrives on the truck, it is important to inspect it fully for damage from transport. Any damage must be recorded, photographed, and reported to the trucking company and to Ag-Bag prior to removal from the truck.

Remove Unit from Truck

The Ag-Bagger is loaded to the truck at the factory with a large forklift.

The unit can be removed from the delivery truck in two different ways. The simplest method is to tow the unit off of the trailer by means of a dock ramp.

If this process is used, extreme care must be taken to ensure the bag pan does not contact any other object during removal. It is in a lowered state to provide clearance for the forks of a forklift for lifting.

Another method is to use an appropriately sized forklift (18,000 lb. / 8,165 kg mast or greater) to lift the unit using the provided fork pockets.

The forks can only enter from the tunnel-side of the machine, under the backstop. They must pass very carefully between the tunnel floor and the bag pan. One fork will be aligned on each side of the tire in the tunnel. When lifting the unit in this method, take care to keep bystanders away for safety.

Raise the green jack stand at the hitch end to the highest position.

See Figures 174 through 176.



Figure 174. Forklift Moving



Figure 175. Fork Placement



Figure 176. Bottom View from Bag Pan
Key 1 – Fork Pockets

Remove Fork Pockets

Remove the fork pockets from under the machine.

Stack the brackets and tighten the hardware in the stack of parts.

Place all components in storage compartment for the customer.

See Figure 177.

Raise And Set Bag Pan

Place wood blocks under the bag pan to take up the space between the bag pan and the ground at each end.

Remove the bag pan pivot bolts.

Raise the bag pan to the lowest holes for operation on both sides.

Lift the bag pan and hook the two bag pan bungee cords between the bag pan and the hooks on the frame. These are shipped in the storage compartment.

The bag pan raised position is adjustable using the stop bolts at the hinge point for the bag pan.

Measure the bag pan clearance to the tunnel floor. Adjust the stop bolts as needed to achieve the specification.

SPECIFICATION:

Bag Pan Clearance to Tunnel Floor
(Raised position)

3/4 in. (19mm)

See Figures 177 through 180.

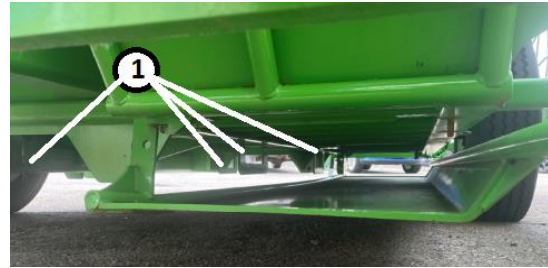


Figure 177. Bottom View from Bag Pan
Key 1 – Fork Pockets

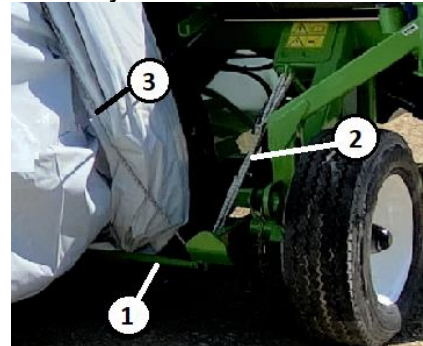


Figure 178. Bag Pan Bungee Cord
Key 1 – Bag Pan Key 2 – Cord
Key 3 – Tunnel Cord

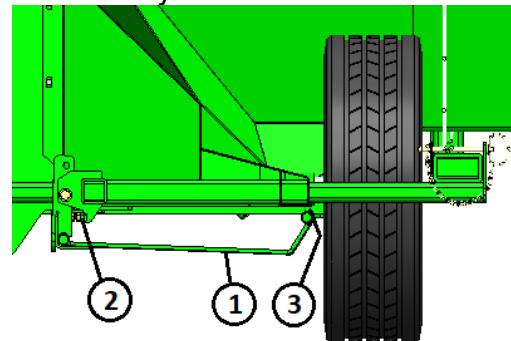


Figure 179. Bag Pan Adjust Location
Key 1 – Bag Pan Key 2 – Adjustment
Key 3 – Specified Gap

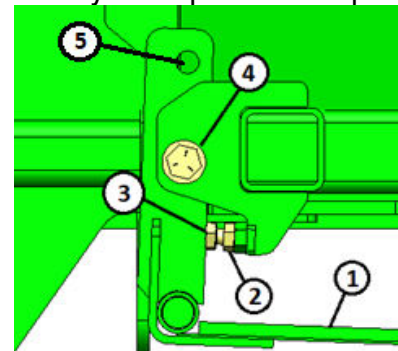


Figure 180. Bag Pan Adjustment
Key 1 – Bag Pan Key 2 – Jam Nut
Key 3 – Stop Bolt Key 4 – Hinge Point

String the Backstop

The backstop can be strung while in the storage position on the Ag-Bagger.

Use the rope provided in the storage compartment. Start with the end of the rope. Do not cut the rope.

Start on the bottom tube at the u-shape bar welded to the frame at either side.

Tie a knot at the u-shape welded to the tube. Proceed to route all vertical ropes first.

Route the rope around each other hook point always with the rope wrap-around to the rear (away from the machine).

See Figure 181.

Loop through all mounts and finish at the other u-shape bar on the other side of the machine.

Cut the rope after the knot.

Find the middle of the remaining rope. Start at the bottom corner by the u-shape bar welded to the backstop.

Weave the rope horizontally around the vertical ropes, bottom to top. Use the same pattern at the mounts welded to the backstop.

Route the top, and then the bottom.

At the end of each routing, tie off the rope to the u-shape welded to the backstop.

Cut the rope after the knot.

Excess rope can be used to “double-up” the center vertical and horizontal ropes as desired or placed into the storage

compartment for use in securing the ends of Ag-Bags later.

The mounts can then be closed at the ends using a hammer if desired. At a minimum, close the mounts at the top bar of the backstop to prevent the ropes from falling out of position in transport.

See Figures 181 through 183.

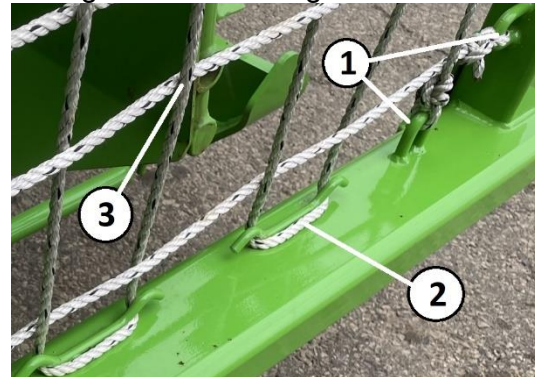


Figure 181. Backstop Rope Installation
Key 1–U-Shapes Key 2-Rope Routing
Key 3 – Weave Pattern

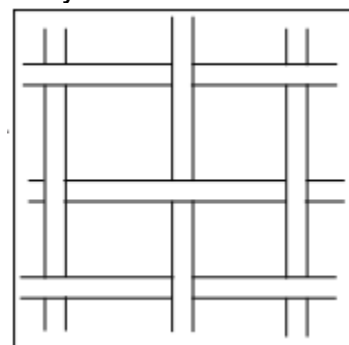


Figure 182. Weave Pattern

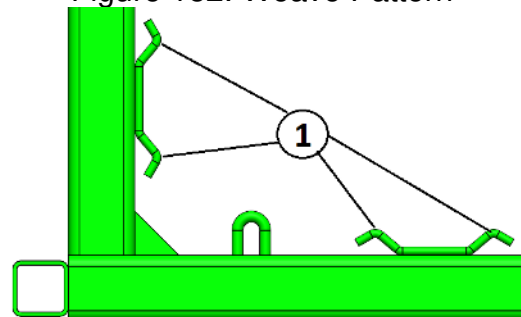


Figure 183. Rope Mounts
Key 1 – Hammer Locations

Move the Bag Cradle

For the T7060, the bag cradle is typically shipped on top of the tunnel extensions.

For the T7270 and T7170, the bag cradle is typically shipped inside of the conveyor to keep the height of the machine as low as possible with the 10' tunnel. With the 9' tunnel, it is shipped on top of the tunnel extension.

To move the bag cradle from the conveyor to the tunnel extension, the bag boom is used.

First, set up the bag boom as indicated in the *Adjustments* section of this manual.

Once set up, move the pulley on the boom to the innermost hole.

Swing the bag boom over the conveyor and attach it to the cradle.

Remove all straps securing the cradle to the conveyor.

Carefully raise the bag cradle and swing it into position on top of the tunnel.

Set up the bag cradle as indicated in the *Adjustments* section in this manual.

See Figures 184 and 185.

Install the SMV Sign

The SMV sign is installed backwards or inside the storage compartment for shipping to avoid confusion for traffic during trucking to the destination.

Remove the hardware securing the SMV sign in place. Install SMV sign properly and secure with provided hardware. Tighten all hardware properly. See Figure 186.



Figure 184. T7170 Cradle Shipping



Fig. 185. Cradle Storage on Extension



Figure 186. SMV Installation
Key 1 – SMV Sign

Install Inoculant System

Install the inoculant system if customer desires. Follow instructions in the manual for the inoculant system.

Check All Fluid Levels

Check the hydraulic oil level. See *Hydraulic Oil Level Check* in the *Lubrication and Maintenance* section of this manual.

Check the gearbox and/or planetary oil level. See *Gearbox Oil* in the *Lubrication and Maintenance* section of this manual.

Check the brake system oil. See *Brake System Oil* in the *Lubrication and Maintenance* section of this manual.

Check Tire Air Pressure

Check tire air pressure. See *Tire Air Pressure* in the *Lubrication and Maintenance* section of this manual.

Check Wheel Lug Nut Torque

Check wheel lug nut torque. See *Wheel Lug Nut Torque* in the *Lubrication and Maintenance* section of this manual.

Grease All Functions

Install a tube of Grade 2 Lithium Complex EP Grease in the grease gun provided in the storage compartment.

Grease the entire machine as outlined in the *Lubrication and Maintenance* section of this manual.

If transporting the machine to a customer location, place the grease gun into the storage compartment.

Oil the Chains

Oil all chains as outlined in the *Lubrication and Maintenance* section of this manual.

Pre-Operation Checklist

Complete the *Pre-Operation Checklist* in the *Operating the Unit* section of this manual.

Run The Unit

Operate the unit per the instructions in the *Operating the Unit* section of this manual to test all functions.

Make any adjustments as outlined in this manual.

Complete Documentation

Complete the *Pre-Delivery Checklist* at the end of this manual. Keep a copy for the dealership and send a copy to Ag-Bag by RCI.

Complete the *Delivery Checklist* and *Owner Registration* at the end of this manual upon final delivery. Keep a copy for the dealership and send a copy to Ag-Bag by RCI.

Ag-Bag by RCI firmly believes in continuous improvement and would appreciate any feedback available. Please contact us with any changes you would like to see in this manual.

Verify Operator Manual Returned to Unit

Upon completion of all documentation, ensure that the operator manual is placed into the holder on the machine at the storage compartment.

18 REPAIR PARTS

General Comments

The following includes information regarding parts for the T7270, T7170 and T7060 Ag-Bagger.

Right- or left-hand parts are determined by sitting in the operator's seat facing forward.

The abbreviation "A.R." in the "USED" column indicates "As Required." This is because a different number of the specific component may be needed for proper assembly depending on the tolerance of the individual machine.

All parts listed are available through your local dealer.

Attention: Dealer – Contact Ag-Bag by RCI directly for all part orders for this unit.

Please include a serial number and model of the attachment when placing a parts order. The serial number plate is located near the oil filter in the service compartment.

Replacement Hardware

The use of improper hardware in any location can result in the failure of the component fastened with the hardware or related structures, and can cause personal injury, further damage to the product, or loss of property.

Replacement Parts

Replacement parts may have occasional differences to the parts being replaced. This difference is typically providing the benefit of a design change made after the release of this publication.

Repair Parts Index

Section 1 - Drive Assembly, Rotor & Forage Distributor

1.1 - T7060 & T7170 Drive Assembly.....	106
1.2 - T7270 Drive Assembly.....	110
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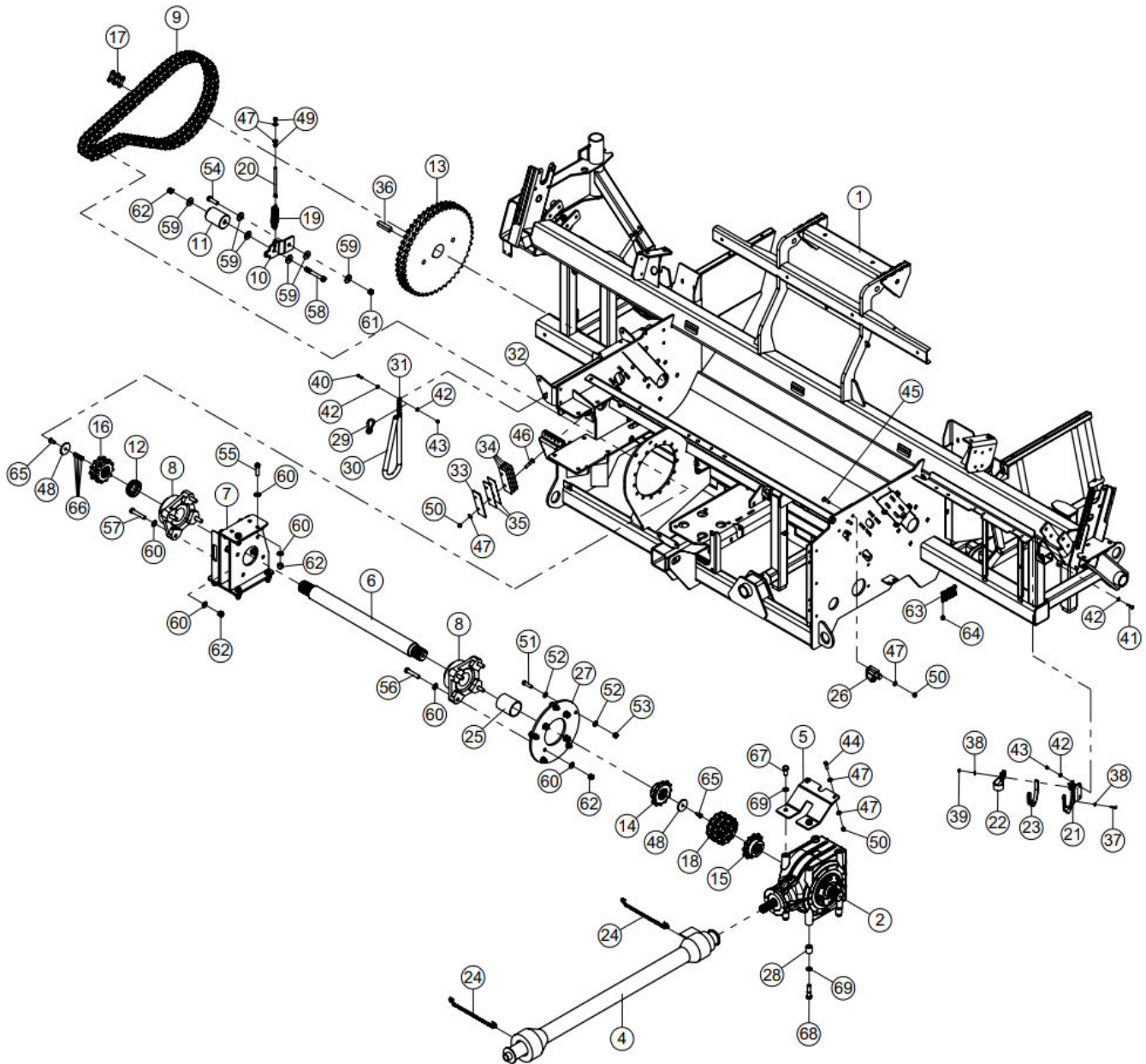
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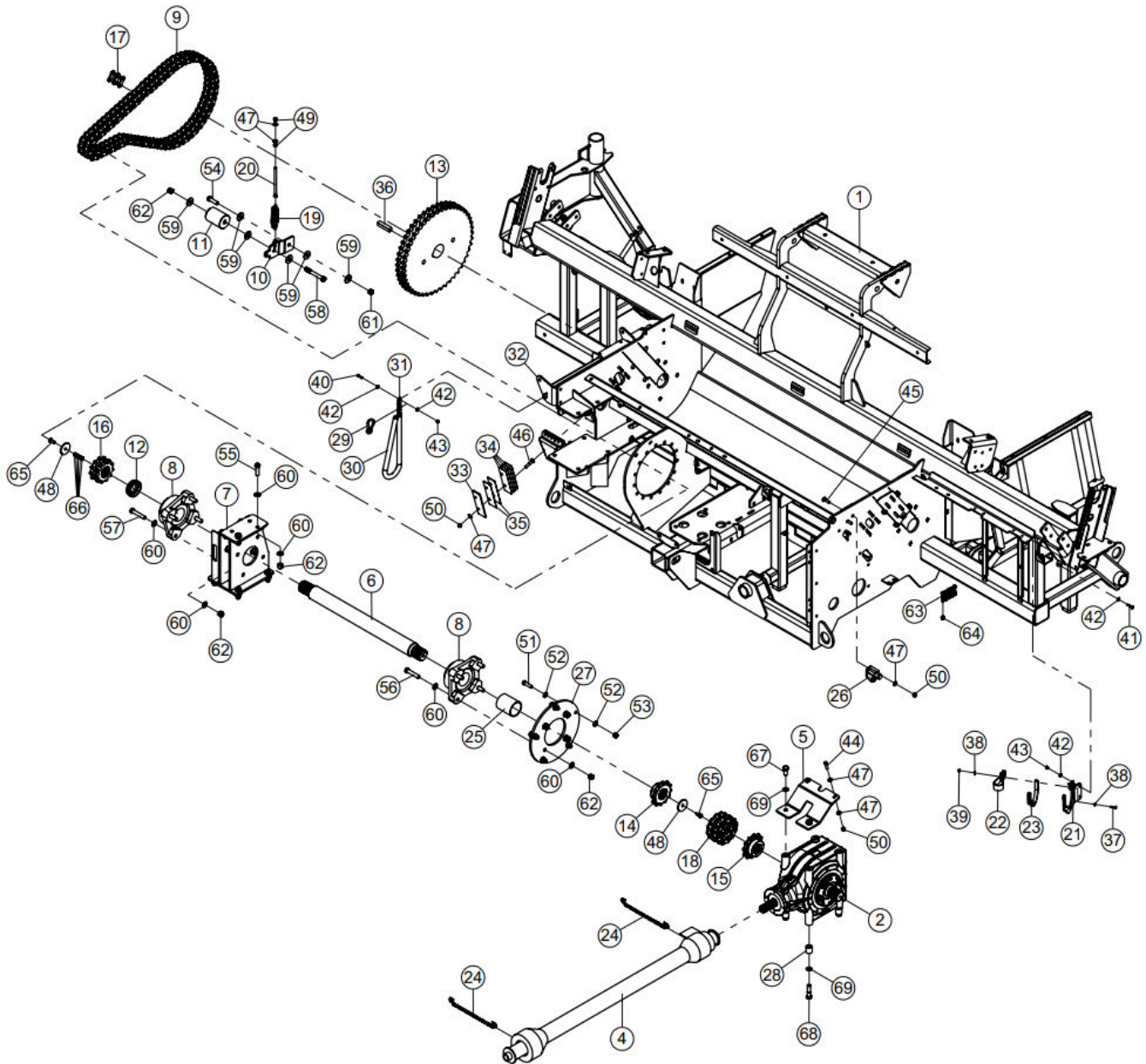
1.1 – T7060 & T7170 Drive Assembly



1.1 – T7060 & T7170 Drive Assembly

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3170150	Gearbox, Double Output	1	See breakdown on Parts Page 10.1
3	AB3170930	Oil, 75w90 Synthetic - 2.5 gal.	1	Oil for Gearbox
4	AA0901994	PTO, 1-3/8 6 x 1-3/4 20 #8	1	See breakdown on Parts Page 10.3
5	AB3170401	Bracket, Gearbox Support	1	
6	AB3170502	Shaft, Intermediate	1	T7170
	AB3170711	Shaft, 7060 Intermediate	1	T7060
7	AB3171130	Carrier, Drive Bearing	1	T7170 Only
8	AA0900372	Bearing, 3-7/16" - 4 Bolt Flange	2	
9	AB3170507	Chain, Rotor Drive	1	T7170
	AB3170715	Chain, 7060 Rotor Drive	1	T7060
10	AB3170994	Arm, Chain Tensioner	1	
11	AA6002007	Tensioner, Rtr Chn Cable Mod	1	
12	AB3170500	Spacer, YZ Sprocket	1	
13	AA0900377	Sprocket, 120-2B48 3-7/16B 7/8K	1	T7170
	AA0901587	Sprocket, 120-2B42 3-7/16B 7/8 K	1	T7060
14	AA0901590	Sprocket, 120B12 70X64 Spline	1	
15	AB3170506	Sprocket, Gearbox Coupler	1	
16	AA0901588	Sprocket, 120-2A11 70X64 Spline	1	
17	AA1520068	Link, #120-2 Connecting	1	
18	AA0901591	Chain, Rlr #120-2 12P w/Connector	1	
19	AA1500483	Spring, #661 Extension	1	
20	AB3170501	Rod, Chain Tensioner	1	
21	AB3170315	Rest, PTO	1	
22	AA0900559	Lock, PTO Cradle	1	
23	AB3170685	Trim, 14" C.L. PTO Holder Edge	1	
24	RC950571	Chain, PTO Shield Safety	2	
25	AB3170512	Spacer, YZ Shaft	1	
26	AB3171232	Pin, 540 PTO Storage	1	
27	AB3170505	Plate, Bearing Mount	1	T7170 Only
28	AA0902025	Spacer, YZ Gearbox Mount	4	
29	RC902780	Carabiner, 3/8 x 3-3/16 CZ	1	
30	AB3170624	Wrap, 36" C.L. -06 Ballistic	1	
31	RC950638	Chain, 1/4 CZ Grade 43 x 34 Links	1	
32	AB3170485	Support, Conveyor	1	
33	AB3171777	Plate, Bearing Stop	1	T7170 Only
34	AB3171773	Shim, 060 Bearing	AR	T7170 Only
35	AB3171774	Shim, 036 Bearing	AR	T7170 Only

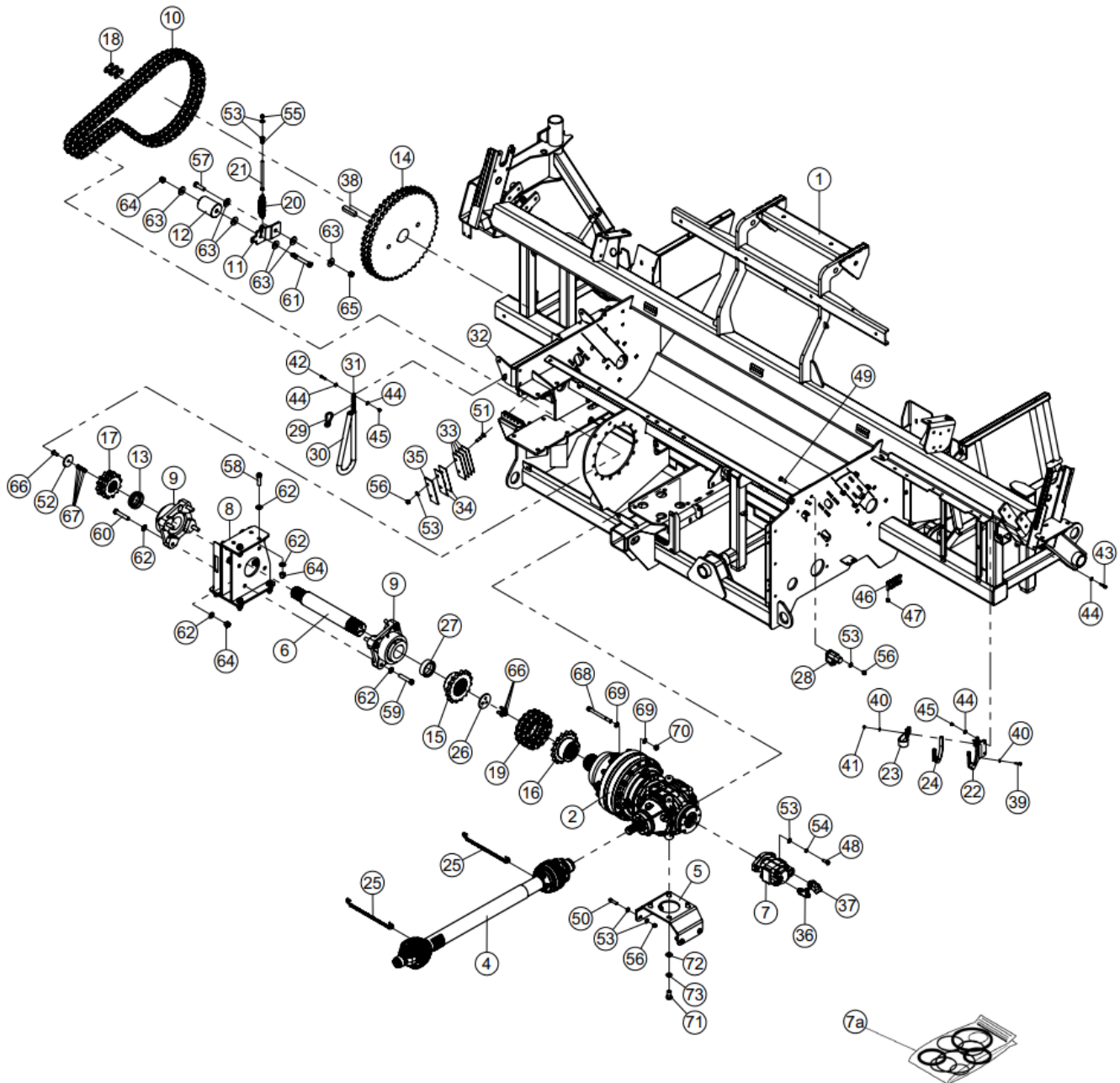
1.1 – T7060 & T7170 Drive Assembly - Continued



1.1 – T7060 & T7170 Drive Assembly – Continued

Key	Part Number	Description	Qty	Comments
36	AA907688	Key, 7/8 x 7/8 x 4.00 1018	1	
37	RC900064	Bolt, 5/16-18 x 1-1/4 Gr5 YZ Hex	2	
38	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
39	RC900579	Nut, 5/16-18 YZ Nylock	2	
40	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	1	
41	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	2	
42	RC900677	Washer, 3/8 SAE YZ Hard Flat	6	
43	RC900583	Nut, 3/8-16 YZ Nylock	3	
44	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	2	
45	RC901882	Bolt, 1/2-13 x 1-3/4 Gr 5 CZ Carriage	2	
46	RC901577	Bolt, 1/2-13 x 2-1/2 Gr 5 CZ Carriage	2	T7170 Only
47	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
48	RC902776	Washer, 1/2 CZ Extra-Thick Fender	2	
49	RC900529	Nut, 1/2-13 YZ Hex	2	
50	RC900588	Nut, 1/2-13 YZ Nylock	6	
51	RC900170	Bolt, 5/8-11 x 2-1/4 Gr 5 YZ Hex	5	
52	RC900694	Washer, 5/8 SAE YZ Hard Flat	10	
53	RC900593	Nut, 5/8-11 YZ Nylock	5	
54	RC900204	Bolt, 3/4-10 x 2-1/2 Gr 5 YZ Hex	1	
55	RC900312	Bolt, 3/4-10 x 2-1/2 Gr 8 Hex	8	
56	RC900210	Bolt, 3/4-10 x 3-3/4 Gr 5 YZ Hex	4	
57	RC900212	Bolt, 3/4-10 x 4 Gr 5 YZ Hex	4	
58	RC902733	Bolt, 3/4-10 x 5-3/4 Gr 8 YZ Hex	1	
59	RC902587	Washer, 3/4 USS YZ Hard Flat	6	
60	RC902416	Washer, 3/4 SAE YZ Hard Flat	32	
61	RC902717	Nut, 3/4-10 Gr 8 YZ Center Lock	1	
62	RC900597	Nut, 3/4-10 YZ Nylock	17	
63	RC902789	Bolt, M12-1.75 x 55mm Gr 8.8 CZ Hex	5	Spare PTO Hardware
64	RC901284	Nut, M12-1.75 CZ Top Lock	5	Spare PTO Hardware
65	RC901211	Bolt, M14-2.0 x 30mm Gr 10.9 YZ Hex	2	
66	RC902762	Washer, 14mm x 1mm SS Shim	5	
67	RC902775	Bolt, M20-2.5 x 40mm Gr 10.9 YZ Hex	2	
68	RC902778	Bolt, M20-2.5 x 80mm Gr 10.9 YZ Hex	4	
69	RC901299	Washer, M20 CZ Lock	6	

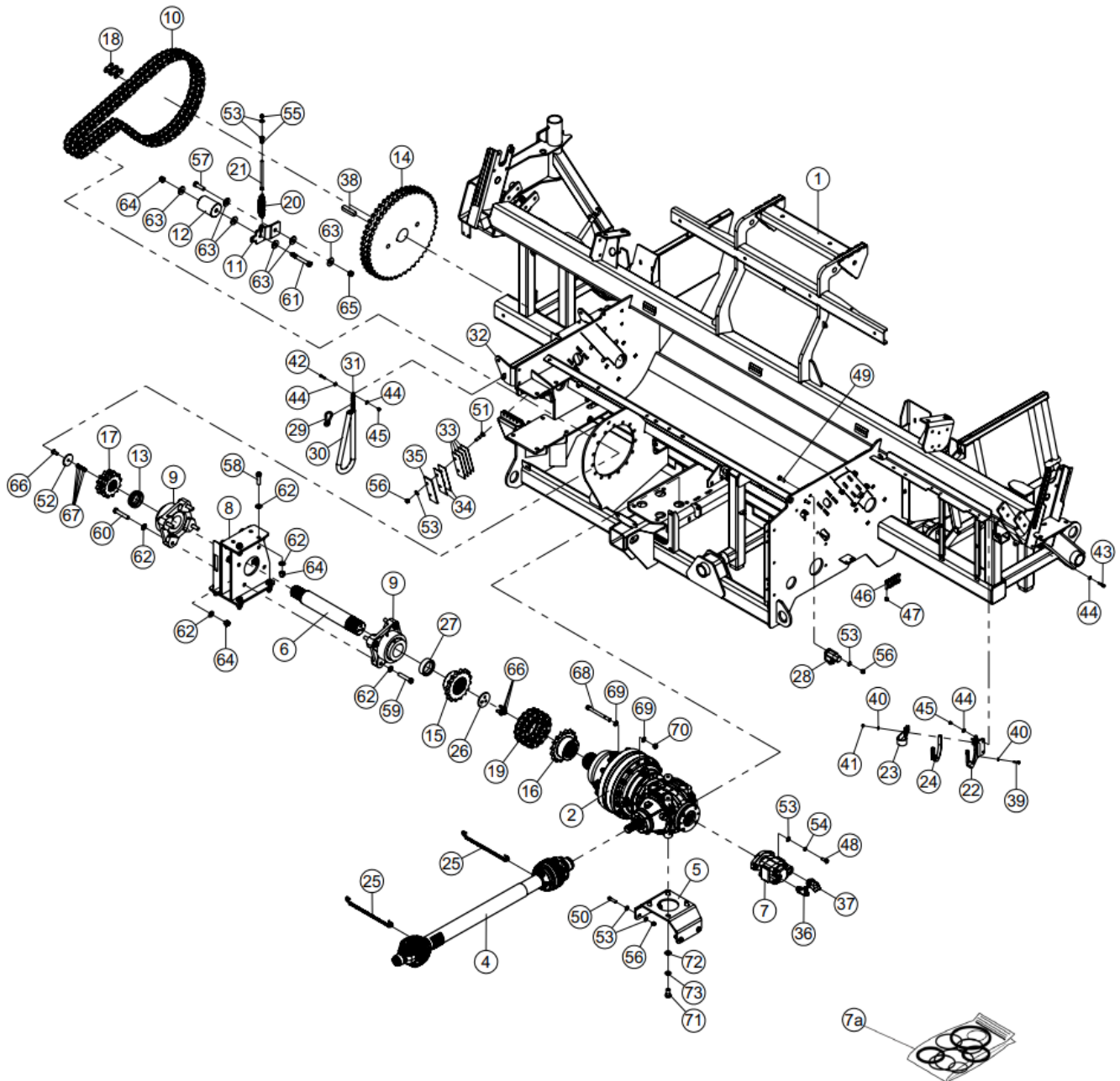
1.2 – T7270 Drive Assembly



1.2 – T7270 Drive Assembly

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	
2	AB3170939	Gearbox, Planetary	1	See breakdown on Parts Page 10.2
3	AB3171214	Oil, Mobil SHC Gear 220 - 3.9 gal.	1	Oil for Gearbox
4	AB3171098	PTO, 1000 RPM	1	See breakdown on Parts Page 10.4
5	AB3170174	Support, Gearbox	1	
6	AB3170932	Shaft, Intermediate Planetary	1	
7	RC950644	Pump, 2100 Series Gear	1	
7a	RC950665	Kit, Seal	1	
8	AB3171130	Carrier, Drive Bearing	1	
9	AA0900372	Bearing, 3-7/16" - 4 Bolt Flange	2	
10	AB3170938	Chain, Rotor Drive 1000 RPM	1	
11	AB3170994	Arm, Chain Tensioner	1	
12	AA6002007	Tensioner, Rtr Chn Cable Mod	1	
13	AB3170500	Spacer, YZ Sprocket	1	
14	AA0900377	Sprocket, 120-2B48 3-7/16B 7/8K	1	
15	AB3170934	Sprocket, Planetary Shaft Coupler	1	
16	AB3170935	Sprocket, Planetary Coupler	1	
17	AB3170936	Sprocket, 120-2A12 70X64 Spline	1	
18	AA1520068	Link, #120-2 Connecting	1	
19	AB3170937	Coupler, 120-2 16P Chain	1	
20	AA1500483	Spring, #661 Extension	1	
21	AB3170501	Rod, Chain Tensioner	1	
22	AB3170315	Rest, PTO	1	
23	AA0900559	Lock, PTO Cradle	1	
24	AB3170685	Trim, 14" C.L. PTO Holder Edge	1	
25	RC950571	Chain, PTO Shield Safety	2	
26	AB3171023	Washer, Planetary Shaft	1	
27	AB3171103	Spacer, YZ Inner Planetary Sprocket	1	
28	AB3171148	Pin, 1000 PTO Storage	1	
29	RC902780	Carabiner, 3/8 x 3-3/16 CZ	1	
30	AB3170624	Wrap, 36" C.L. -06 Ballistic	1	
31	RC950638	Chain, 1/4 CZ Grade 43 x 34 Links	1	
32	AB3170485	Support, Conveyor	1	
33	AB3171773	Shim, 060 Bearing	AR	
34	AB3171774	Shim, 036 Bearing	AR	
35	AB3171777	Plate, Bearing Stop	1	

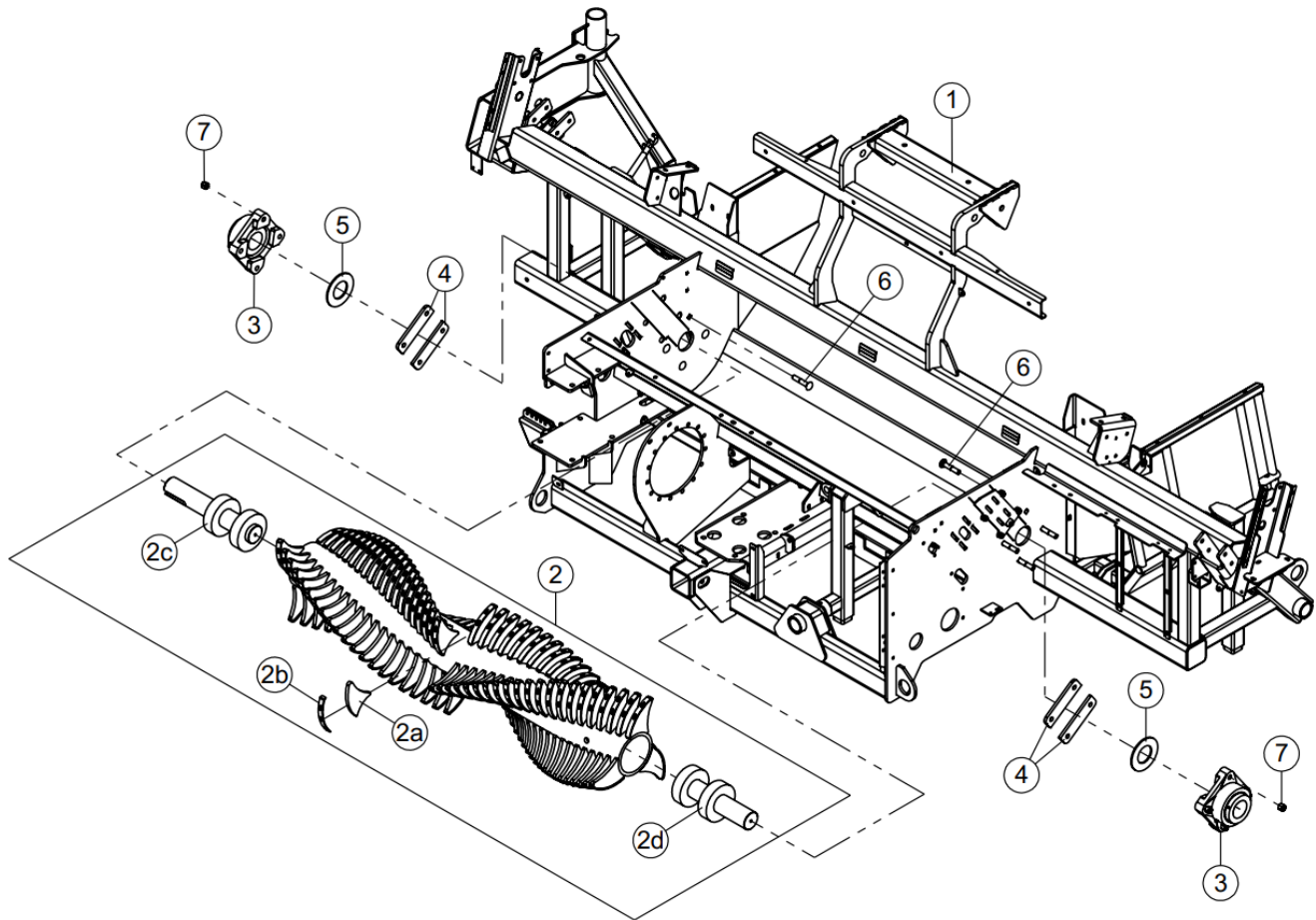
1.2 – T7270 Drive Assembly - Continued



1.2 – T7270 Drive Assembly - Continued

Key	Part Number	Description	Qty	Comments
36	RC700154	Tee, -08 MORFS -12 MORB -08 MORFS Run	1	
37	RC700898	Elbow, -20 MORFS -20 MORB 45°	1	
38	AA907688	Key, 7/8 x 7/8 x 4.00 1018	1	
39	RC900064	Bolt, 5/16-18 x 1-1/4 Gr5 YZ Hex	2	
40	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
41	RC900579	Nut, 5/16-18 YZ Nylock	2	
42	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	1	
43	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	2	
44	RC900677	Washer, 3/8 SAE YZ Hard Flat	6	
45	RC900583	Nut, 3/8-16 YZ Nylock	3	
46	RC900127	Bolt, 7/16-14 x 2 Gr 5 YZ Hex	5	Spare PTO Hardware
47	RC900557	Nut, 7/16-14 YZ Top Lock	5	Spare PTO Hardware
48	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	2	
49	RC901882	Bolt, 1/2-13 x 1-3/4 Gr 5 CZ Carriage	2	
50	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	4	
51	RC901577	Bolt, 1/2-13 x 2-1/2 Gr 5 CZ Carriage	2	
52	RC902776	Washer, 1/2 CZ Extra-Thick Fender	1	
53	RC900691	Washer, 1/2 SAE YZ Hard Flat	16	
54	RC900731	Washer, 1/2 YZ Lock	2	
55	RC900529	Nut, 1/2-13 YZ Hex	2	
56	RC900588	Nut, 1/2-13 YZ Nylock	8	
57	RC900204	Bolt, 3/4-10 x 2-1/2 Gr 5 YZ Hex	1	
58	RC900312	Bolt, 3/4-10 x 2-1/2 Gr 8 Hex	8	
59	RC900210	Bolt, 3/4-10 x 3-3/4 Gr 5 YZ Hex	4	
60	RC900212	Bolt, 3/4-10 x 4 Gr 5 YZ Hex	4	
61	RC902733	Bolt, 3/4-10 x 5-3/4 Gr 8 YZ Hex	1	
62	RC902416	Washer, 3/4 SAE YZ Hard Flat	32	
63	RC902587	Washer, 3/4 USS YZ Hard Flat	6	
64	RC900597	Nut, 3/4-10 YZ Nylock	17	
65	RC902717	Nut, 3/4-10 Gr 8 YZ Center Lock	1	
66	RC901211	Bolt, M14-2.0 x 30mm Gr 10.9 YZ Hex	4	
67	RC902762	Washer, 14mm x 1mm SS Shim	5	
68	RC902807	Screw, M16-2.0 x 180mm BO SH Cap	15	
69	RC901945	Washer, M16 YZ Flat	30	
70	RC901789	Nut, M16-2.0 Gr 10 CZ Nylock	15	
71	RC902775	Bolt, M20-2.5 x 40mm Gr 10.9 YZ Hex	4	
72	RC901356	Washer, M20 YZ Flat	4	
73	RC901299	Washer, M20 CZ Lock	4	

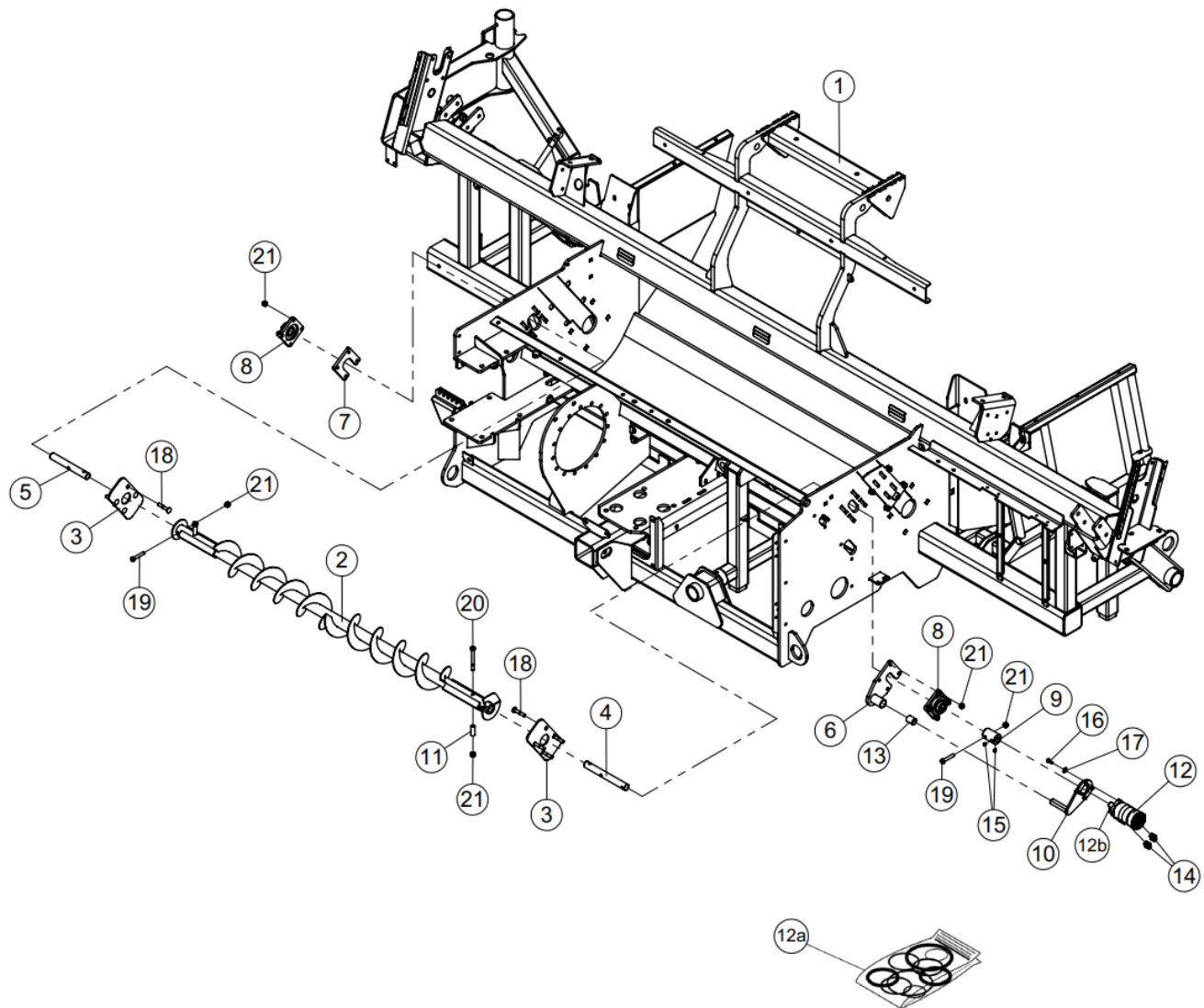
1.3 – Rotor



1.3 – Rotor

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3170309	Rotor, 84"	1	T7170 & T7270
	AB3170695	Rotor, 72"	1	T7060
2a	AB3170904	Tooth, Rotor	126	T7170 & T7270
	AB3170904	Tooth, Rotor	108	T7060
2b	AA1020001	Cap, 1 X 3/16 X 8-13/16 Tine	126	T7170 & T7270
	AA1020001	Cap, 1 X 3/16 X 8-13/16 Tine	108	T7060
2c	AB3170284	Shaft, Rotor Drive	1	
2d	AB3170306	Shaft, Rotor Idle	1	
3	AA0900372	Bearing, 3-7/16" - 4 Bolt Flange Roller	2	
4	AB3170280	Spacer, Rotor Bearing	4	
5	AB3170999	Ring, Rotor Shaft	2	
6	RC902771	Bolt, 3/4 x 4 Gr 5 CZ Carriage	8	
7	RC900597	Nut, 3/4-10 YZ Nylock	8	

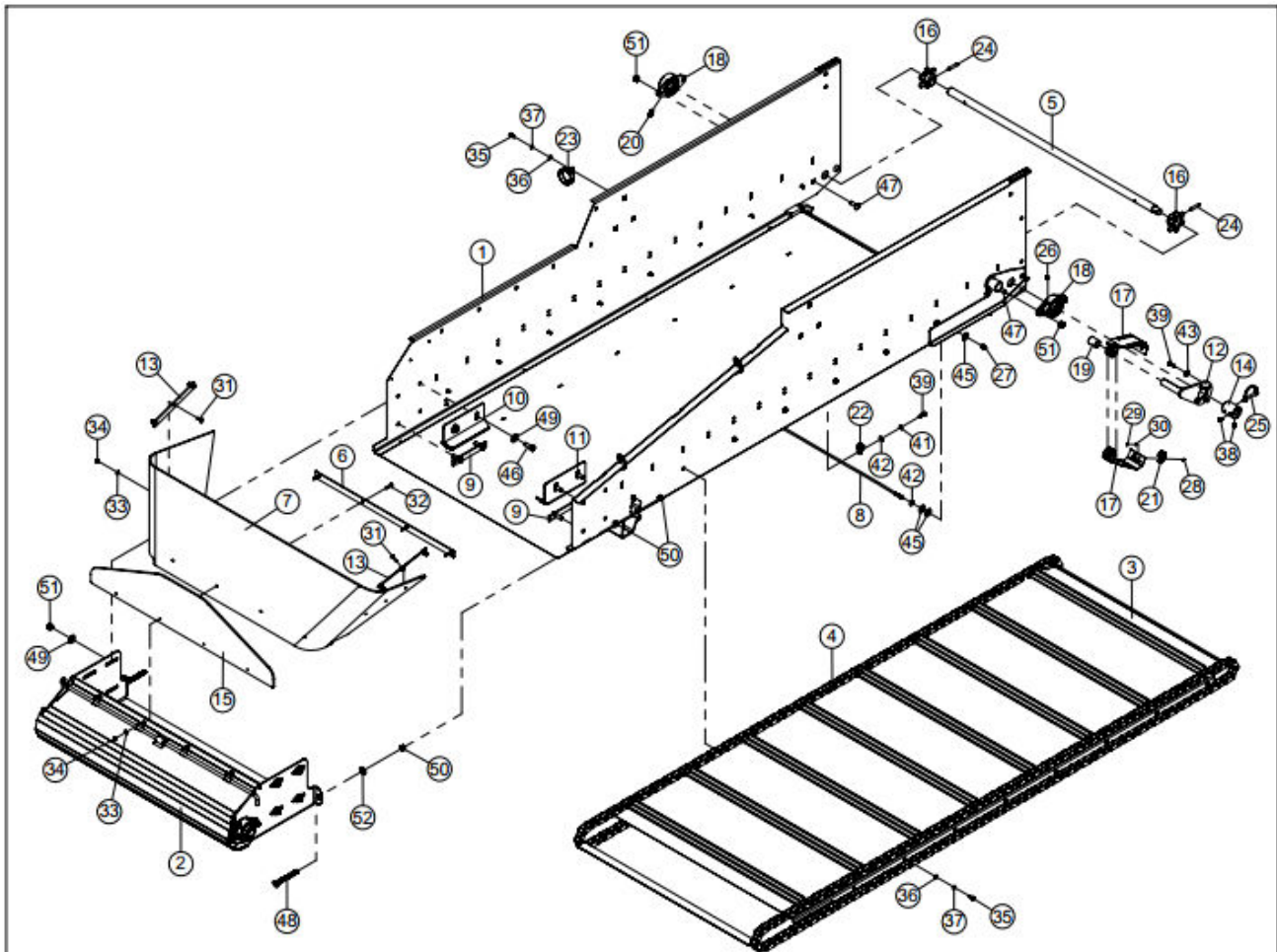
1.4 – Forage Distributor



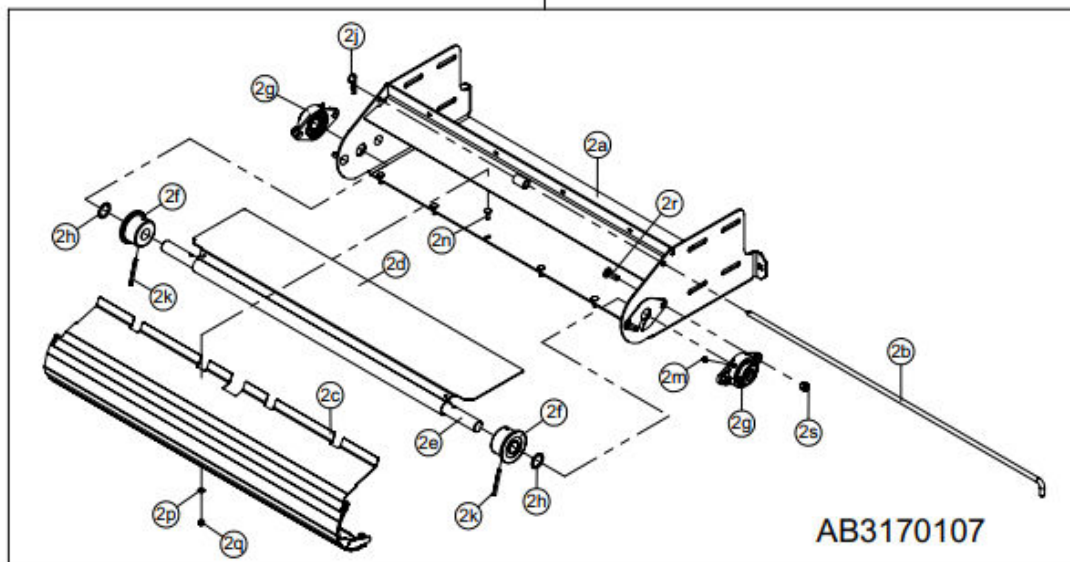
1.4 – Forage Distributor

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3170952	Distributor, T7170 Forage	1	T7170 & T7270
	AB3170955	Distributor, T7060 Forage	1	T7060
3	AB3170521	Plate, Adjuster Filler	2	
4	AB3171707	Shaft, Distributor Drive	1	
5	AA3160365	Shaft, Auger	1	
6	AB3170519	Spacer, Motor Bearing	1	
7	AB3170515	Plate, Bearing Spacer	1	
8	RC950580	Bearing, 1-1/4" Bore w/ 4-Bolt Flange	2	
9	AB3171709	Coupler, Distributor Motor	1	
10	AA6008011	Mount, Motor	1	
11	AB3171705	Spacer, Distributor	2	
12	RC950713	Motor, Hydraulic	1	
12a	RC950721	Kit, High Pressure Seal	1	
12b	AA0901800	Key, Conveyor Motor	1	
13	AA1501477	Tubing, 1-1/4" OD x 1" ID x 1-1/2" Black Vinyl	1	
14	RC700084	Adapter, -08 MORFS -10 MORB Straight	2	
15	RC902255	Screw, 3/8-16 x 1/2 Socket Knurled Cup Set	2	
16	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
17	RC902699	Washer, 3/8 USS YZ Hard Flat	4	
18	RC901674	Bolt, 1/2-13 x 2-3/4 Gr 5 CZ Carriage	8	
19	RC900141	Bolt, 1/2-13 x 2-3/4 Gr 5 YZ Hex	3	
20	RC902865	Bolt, 1/2-13 x 4-3/4 Gr 5 YZ Hex	2	
21	RC900588	Nut, 1/2-13 YZ Nylock	13	

2.1 – Conveyor Drive



AB3170101 - Conveyor Assembly

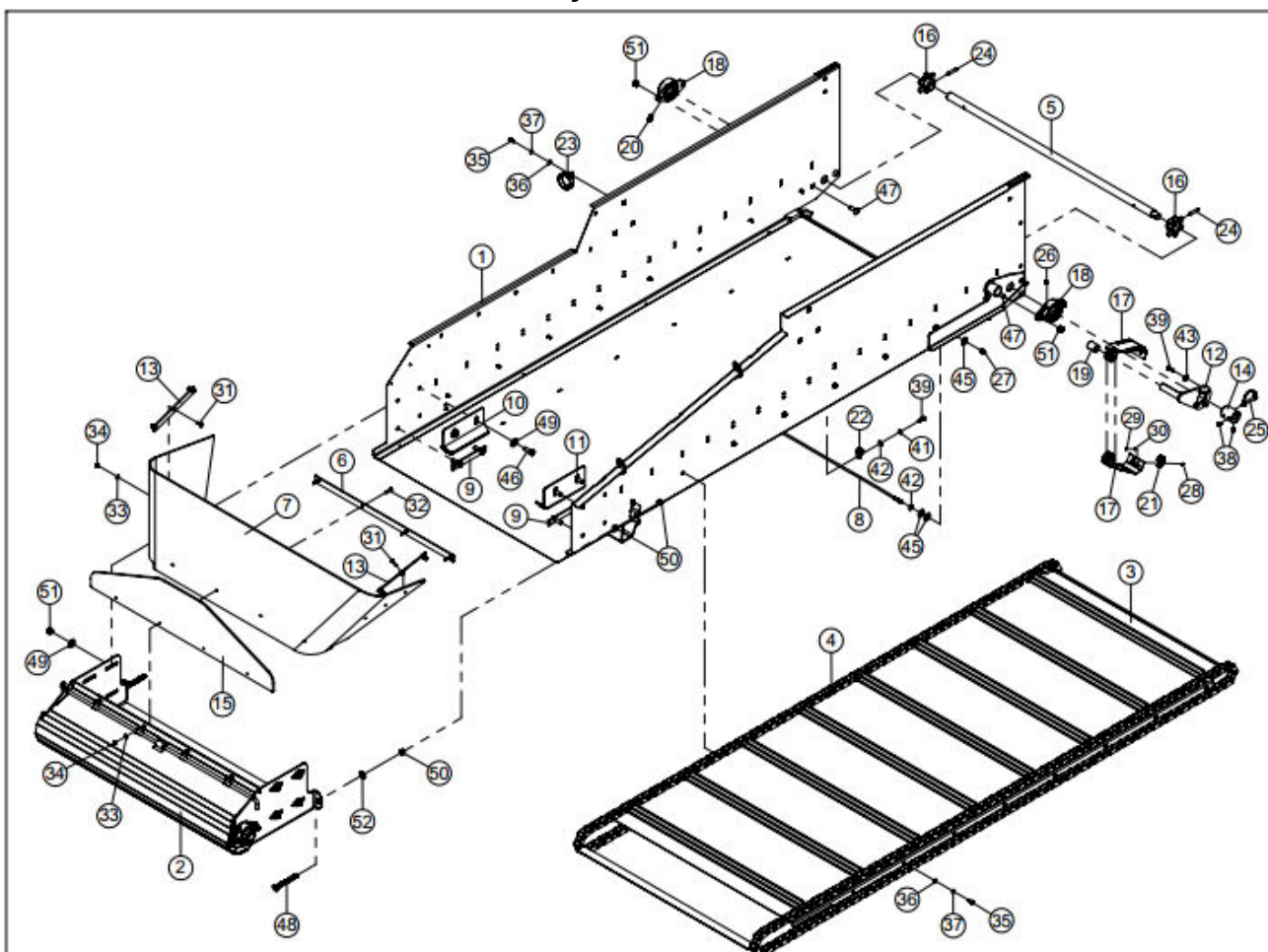


AB3170107

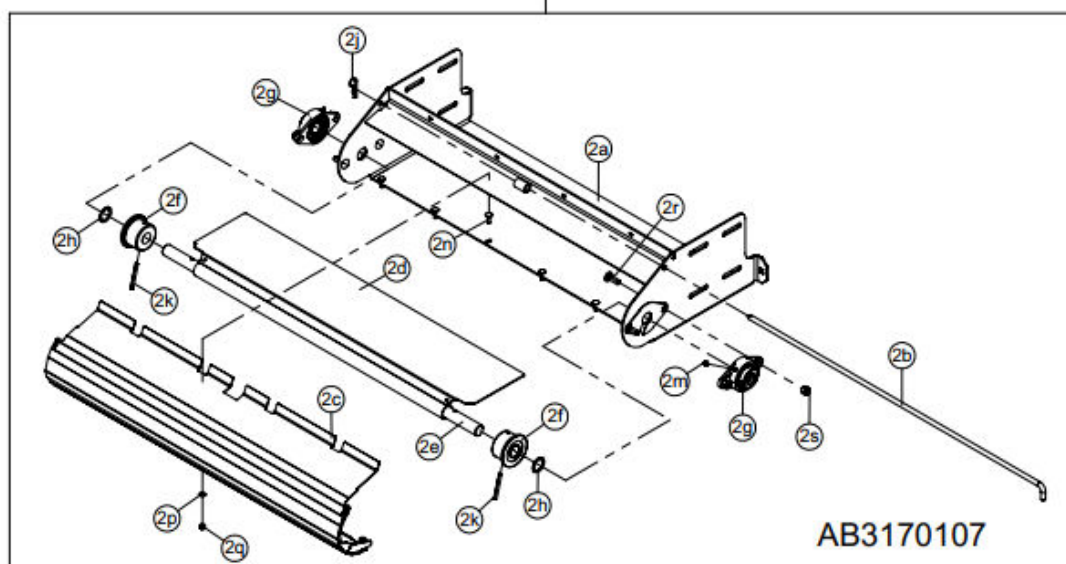
2.1 – Conveyor Drive

Key	Part Number	Description	Qty	Comments
1	AB3170104	Frame, Wide Single Conveyor	1	
2	AB3170107	Assembly, Wide Single Conveyor End	1	
2a	AB3170106	End, Wide Single Conveyor	1	
2b	AB3170117	Pin, Wide YZ Latch	1	
2c	AB3170112	Door, Wide Single Conveyor Clean Out	1	
2d	AB3170976	Transition, Conveyor	1	
2e	AB3170119	Shaft, 1-1/4 x 46-3/4 YZ Idler	1	
2f	AA0900987	Roller, 1.250 Bore Conveyor	2	
2g	AB3171279	Bearing, 1-1/4" Bore 2-Bolt Flange Eccentric	2	
2h	RC902818	Shim, 1-1/4 x .048 SS Shim	2	
2j	RC900895	Hairpin, .148 x 2-11/16 CZ	1	
2k	RC900869	Pin, 5/16 x 3 Plain Roll	1	
2m	RC901873	Zerk, 1/8 NPT Straight Grease	2	
2n	RC901668	Bolt, 5/16-18 x 1 Gr 5 CZ Carriage	6	
2p	RC902162	Washer, 5/16 SAE YZ Hard Flat	6	
2q	RC900579	Nut, 5/16-18 YZ Nylock	6	
2r	RC902769	Bolt, 1/2-13 x 1-1/2 Gr 5 CZ Carriage	4	
2s	RC900588	Nut, 1/2-13 YZ Nylock	4	
3	AB3170132	Weldment, Wide Conveyor Pan	1	
4	AB3170127	Chain, Wide Single Conveyor	1	
5	AB3170130	Shaft, 1-1/4 YZ Wide Conveyor Drive	1	
6	AB3170143	Strip, Wide Conveyor Skirting Center	1	
7	AB3170144	Skirt, Wide Conveyor	1	
8	AB3170410	Hose, 1/8" x 52" Grease	1	
9	AA6008104	Bracket, Conveyor Nose Cone	2	
10	AA6008072	Guide. Conveyor Chain - Top LH	1	
11	AA6008073	Guide. Conveyor Chain - Top RH	1	
12	AA6008011	Mount, Motor	1	
13	AA6008021	Strip, Conveyor Skirting Side	2	
14	AB3170987	Coupler, Motor	1	
15	AB3170977	Brace, UHMW Conveyor Skirt	1	
16	AA1520773	Sprocket, 6 Tooth 1-1/4 Bore	2	
17	AB3171286	Shield, Motor Coupler	2	

2.1 – Conveyor Drive - Continued



AB3170101 - Conveyor Assembly

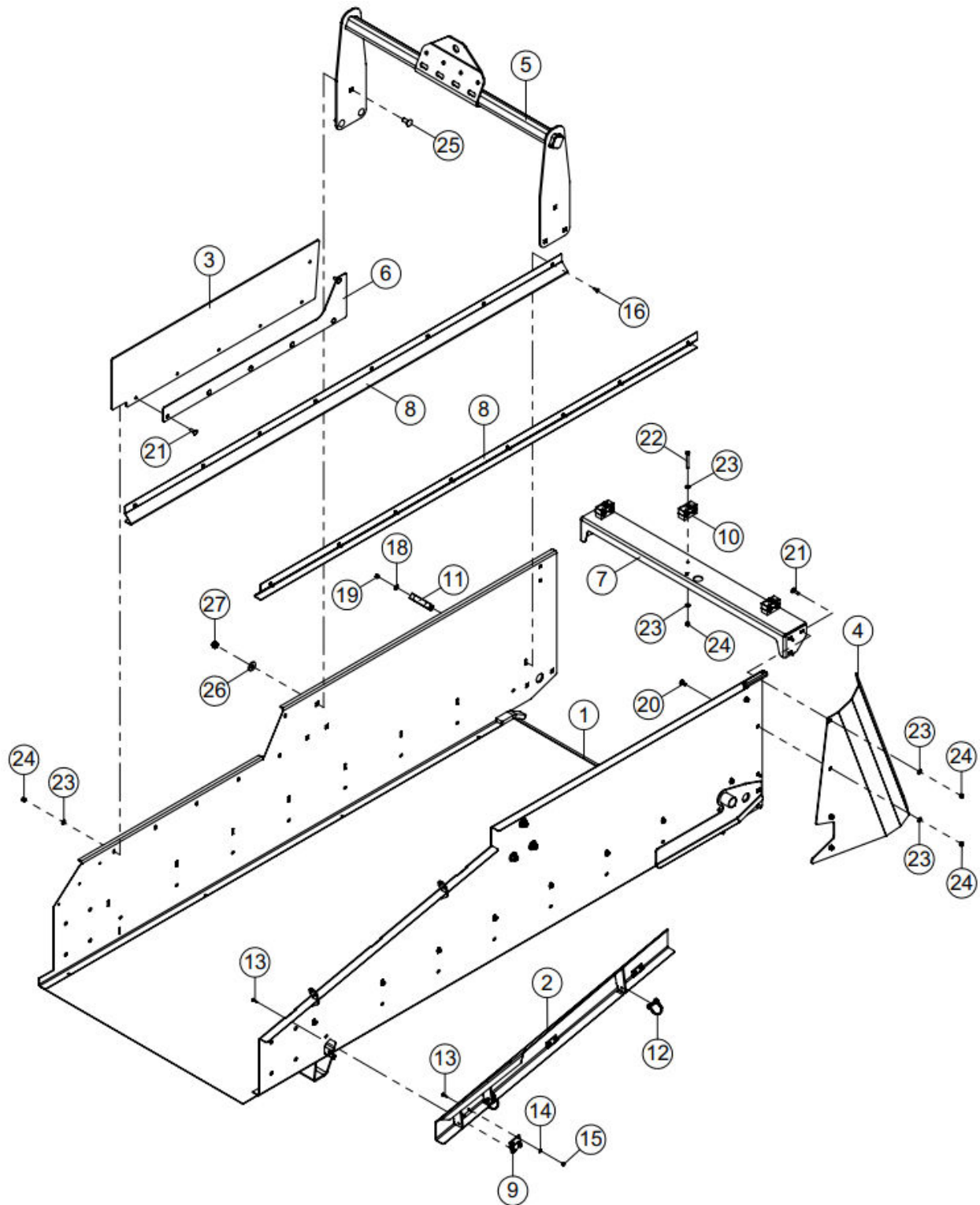


AB3170107

2.1 – Conveyor Drive – Continued

Key	Part Number	Description	Qty	Comments
18	AB3171279	Bearing, 1-1/4" Bore 2-Bolt Flange Eccentric	2	
19	AA1501477	Tubing, 1-1/4" OD x 1" ID x 1-1/2" Black Vinyl	1	
20	RC701534	Adapter, 1/8 NPT 1/8 NPSM Straight Swivel	1	
21	RC950703	Latch, Tight-Hold Draw	1	
22	RC902616	P-Clamp, 5/8 Cushion	4	
23	RC902067	P-Clamp, 2-1/2 Cushion	1	
24	RC902724	Pin, 3/8 x 2 Plain Roll	2	
25	RC902857	Pin, 3/8 x 2-1/4 YZ Locking Round Retainer	1	
26	RC901873	Zerk, 1/8 NPT Straight Grease	1	
27	RC901968	Zerk, 1/8-27 FPT Straight Grease	1	
28	RC902850	Screw, #5-40 x 3/8 CZ Ph Pan Hd	4	
29	RC902136	Nut, #5-40 CZ Nylock	4	
30	RC902272	Washer, #5 CZ SAE Flat	4	
31	RC901557	Bolt, 1/4-20 x 1 CZ Carriage	6	
32	RC902310	Bolt, 1/4-20 x 1-1/4 CZ Carriage	4	
33	RC902696	Washer, 1/4 SAE YZ Hard Flat	10	
34	RC900575	Nut, 1/4-20 YZ Nylock	10	
35	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	16	
36	RC902162	Washer, 5/16 SAE YZ Hard Flat	16	
37	RC900726	Washer, 5/16 YZ Lock	16	
38	RC902255	Screw, 3/8-16 x 1/2 Socket Knurled Cup Set	2	
39	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	7	
40	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	1	
41	RC900728	Washer, 3/8 YZ Lock	3	
42	RC900677	Washer, 3/8 SAE YZ Hard Flat	6	
43	RC902699	Washer, 3/8 USS YZ Hard Flat	4	
44	RC900583	Nut, 3/8-16 YZ Nylock	1	
45	RC901760	Washer, 7/16 USS YZ Hard Flat	3	
46	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	4	
47	RC902769	Bolt, 1/2-13 x 1-1/2 Gr 5 CZ Carriage	4	
48	RC902728	Bolt, 1/2-13 x 5 Gr 5 CZ FT Carriage	2	
49	RC900689	Washer, 1/2 USS YZ Hard Flat	12	
50	RC900529	Nut, 1/2-13 YZ Hex	6	
51	RC900588	Nut, 1/2-13 YZ Nylock	12	
52	RC900694	Washer, 5/8 SAE YZ Hard Flat	2	
	AB3170416	Kit, Conveyor Decal	1	Spare Part
	RC901939	Reflector, Yellow 2 x 9	1	Spare Part

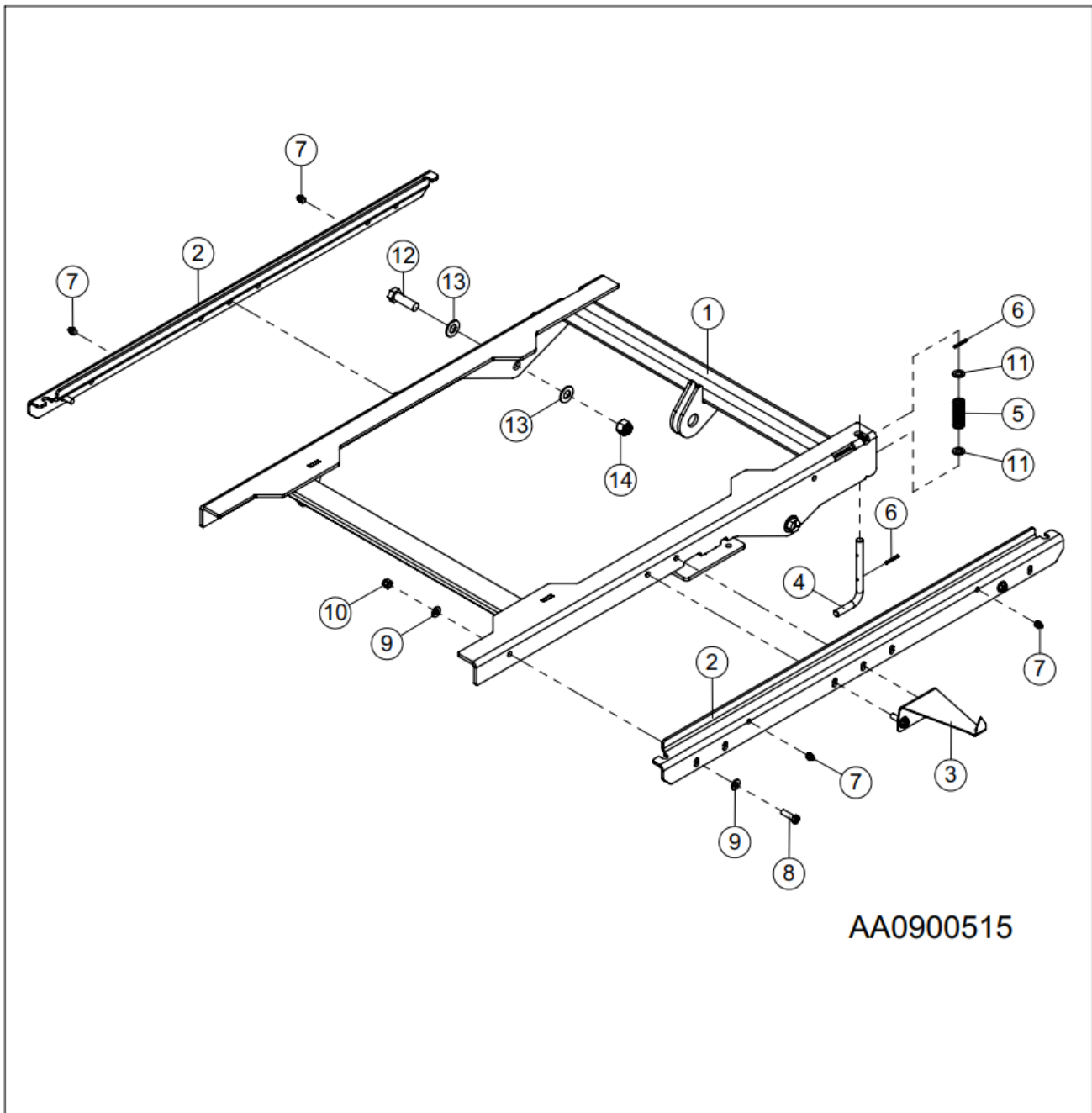
2.2 – Conveyor Bolt-Ons



2.2 – Conveyor Bolt-Ons

Key	Part Number	Description	Qty	Comments
1	AB3170104	Frame, Wide Single Conveyor	1	
2	AB3170141	Panel, Hinged Side	1	
3	AB3170632	Skirt, 10" x 42.5" Rubber Side	1	
4	AB3170146	Deflector, Wide Conveyor	1	
5	AB3170206	Bracket, Gandy Lift	1	
6	AB3170201	Strip, Wide Conveyor Side Skirt	1	
7	AB3170916	Brace, Conveyor Side	1	
8	AB3170982	Shingle, Conveyor	2	
9	RC902148	Hinge, 2 x 2 SS Door	3	
10	RC703114	Clamp, Double Line .84" ID	3	
11	RC902067	P-Clamp, 2-1/2 Cushion	1	
12	RC902827	Pin, 3/8 x 1-1/8 CZ Locking Round Retainer	2	
13	RC901775	Screw, #10-24 x 3/4 CZ Ph Pan Hd	12	
14	RC900667	Washer, #10 SAE YZ Flat	12	
15	RC902420	Nut, #10-24 YZ Nylock	12	
16	RC902377	Bolt, 1/4-20 x 3/4 CZ Gr 5 Carriage	16	
17	RC902696	Washer, 1/4 SAE YZ Hard Flat	15	
18	RC902697	Washer, 1/4 USS YZ Hard Flat	1	
19	RC900575	Nut, 1/4-20 YZ Nylock	16	
20	RC901753	Bolt, 5/16-18 x 3/4 Gr 5 CZ Carriage	7	
21	RC901668	Bolt, 5/16-18 x 1 Gr 5 CZ Carriage	7	
22	RC900071	Bolt, 5/16-18 x 2-1/2 Gr 5 YZ Hex	3	
23	RC902162	Washer, 5/16 SAE YZ Hard Flat	20	
24	RC900579	Nut, 5/16-18 YZ Nylock	17	
25	RC900426	Bolt, 1/2-13 x 1-1/4 Gr 5 CZ Carriage	6	
26	RC900689	Washer, 1/2 USS YZ Hard Flat	6	
27	RC900588	Nut, 1/2-13 YZ Nylock	6	

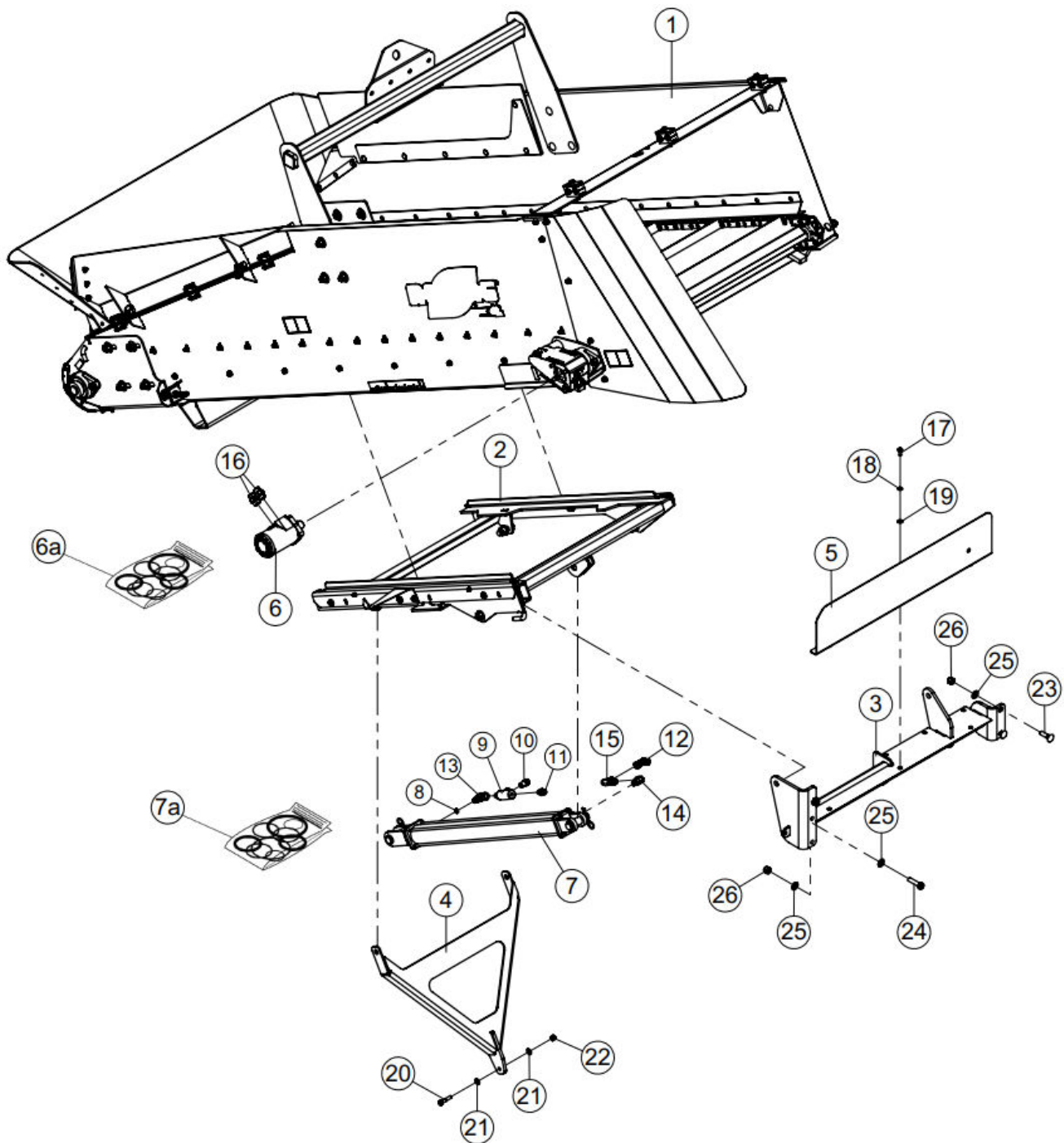
2.3 – Conveyor Lift



2.3 – Conveyor Lift

Key	Part Number	Description	Qty	Comments
1	AA0900441	Frame, Conveyor Slide	1	
2	AA0900484	Hold Down, Conveyor	2	
3	AB3171727	Indicator, Conveyor Position	1	
4	AA1700750	Pin, Cam Lever	1	
5	AA0717764	Spring	1	
6	RC902761	Pin, 5/32 x 1-1/4 CZ Roll	2	
7	RC901873	Zerk, 1/8 NPT Straight Grease	4	
8	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	6	
9	RC900677	Washer, 3/8 SAE YZ Hard Flat	12	
10	RC900583	Nut, 3/8-16 YZ Nylock	6	
11	RC902770	Washer, 1/2 x 14 Ga CZ Machinery Bushing	2	
12	RC900168	Bolt, 5/8 x 2 Gr 5 YZ Hex	4	
13	RC900694	Washer, 5/8 SAE YZ Hard Flat	8	
14	RC900593	Nut, 5/8-11 YZ Nylock	4	

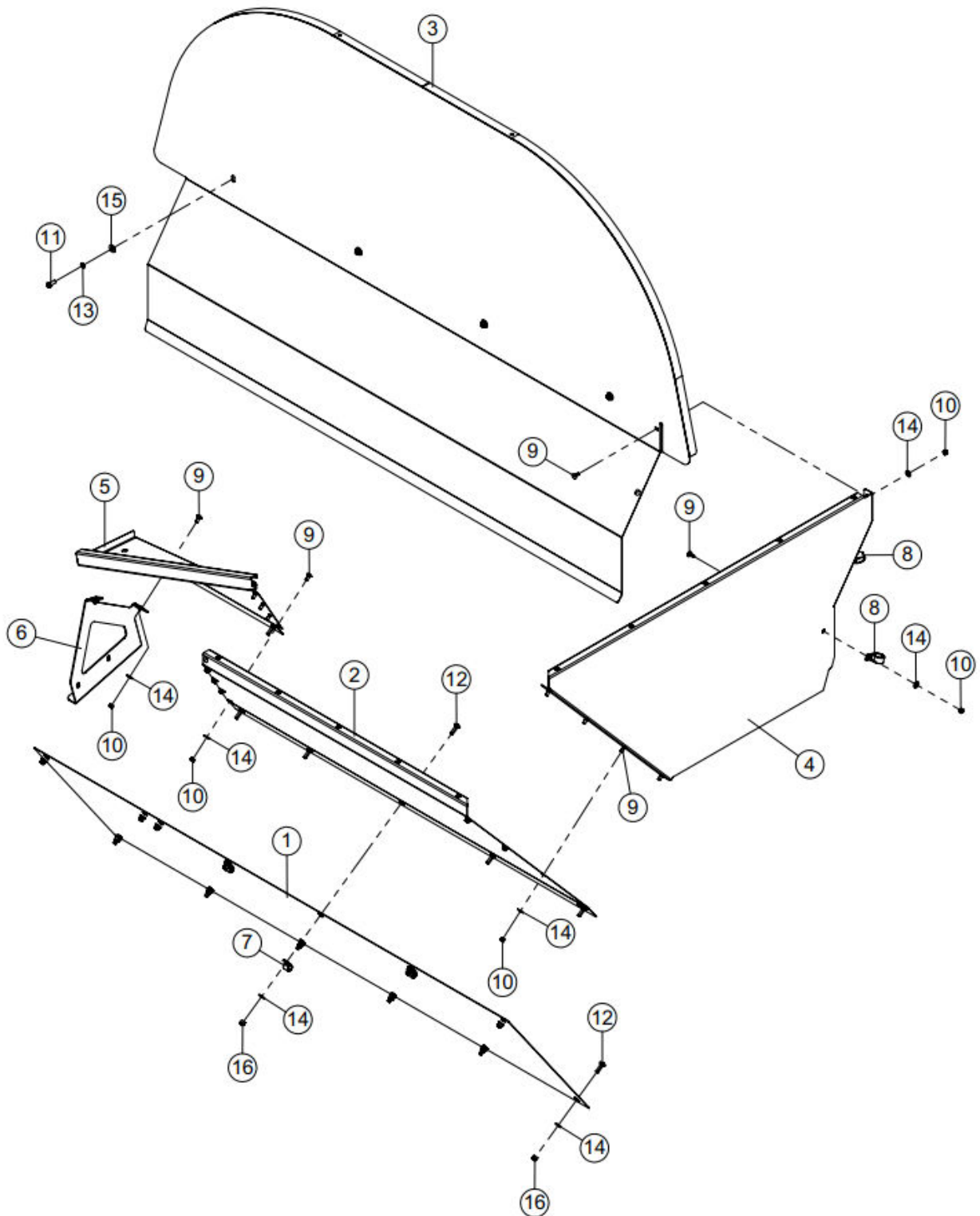
2.4 – Conveyor Mounting



2.4 – Conveyor Mounting

Key	Part Number	Description	Qty	Comments
1	AB3170101	Assembly, Wide Single Chain Conveyor	1	
2	AA0900515	Assembly, Conveyor Slide	1	
3	AB3170485	Support, Conveyor	1	
4	AB3170489	Brace, Conveyor	1	
5	AB3171721	Panel, Conveyor Hopper	1	
6	AA1541780	Motor, 6070 Conveyor Hydraulic	1	
6a	AA1621179	Kit, Hydraulic Motor Seal	1	
6b	AA0901800	Key, Conveyor Motor	1	
7	AA0900468	Cylinder, 2 x 28 x 1.125 Hydraulic	1	
7a	AA2148205	Kit, 2.0 x 1.13 Nitrotec Seal	1	
8	RC702605	Orifice, -06 SAE x 0.049" Hole Disc	1	
9	AA1700863	Valve, Pilot Check	1	
10	RC700979	Adapter, -06 MORFS, -06 MPT Straight	1	
11	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	1	
12	RC700195	Elbow, -06 FORFS -06 MORFS 45°	1	
13	RC701027	Fitting, -06 MORB 3/8 FPT 90°	1	
14	RC700118	Elbow, -06 MORFS -06 MORB 90°	1	
15	RC700156	Tee, -06 ORFS Run Thru	1	
16	RC700084	Adapter, -08 MORFS -10 MORB Straight	2	
17	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	3	
18	RC900726	Washer, 5/16 YZ Lock	3	
19	RC902162	Washer, 5/16 SAE YZ Hard Flat	3	
20	RC900096	Bolt, 3/8-16 x 1-3/4 Gr 5 YZ Hex	1	
21	RC900677	Washer, 3/8 SAE YZ Hard Flat	2	
22	RC900583	Nut, 3/8-16 YZ Nylock	1	
23	RC901882	Bolt, 1/2-13 x 1-3/4 Gr 5 CZ Carriage	2	
24	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	2	
25	RC900691	Washer, 1/2 SAE YZ Hard Flat	6	
26	RC900588	Nut, 1/2-13 YZ Nylock	4	

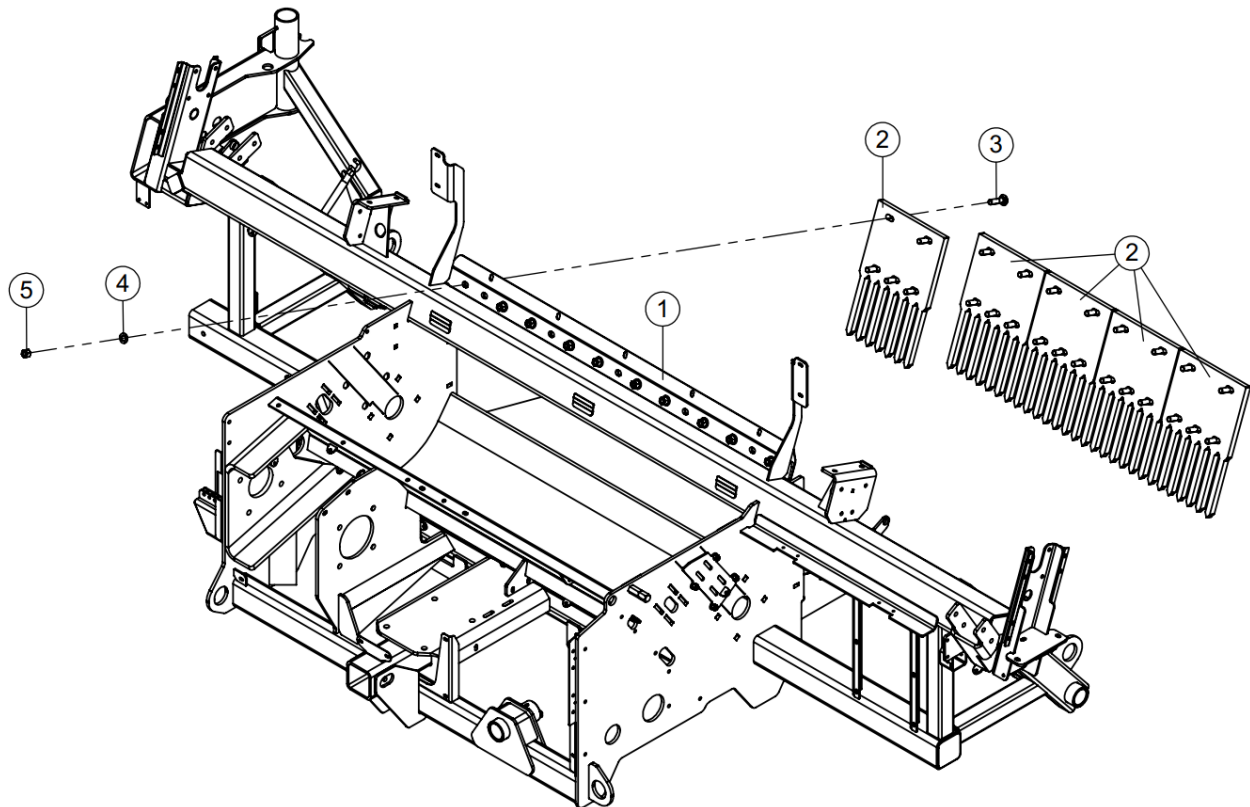
2.5 – Hopper



2.5 – Hopper

Key	Part Number	Description	Qty	Comments
1	AB3170214	Liner, Rotor Pan	1	T7170 & T7270
	AB3170721	Liner, T7060 Rotor Pan	1	T7060
2	AB3170210	Panel, Front Left Hopper	1	T7170 & T7270
	AB3170723	Panel, LH Front Hopper	1	T7060
3	AB3171176	Panel, Tunnel Side Hopper	1	T7170 & T7270
	AB3171751	Panel, Tunnel Side Hopper	1	T7060
4	AB3171173	Panel, LH Hopper	1	
5	AB3171724	Sheet, Hopper Filler	1	
6	AB3171715	Support, Hopper	1	
7	RC902616	P-Clamp, 5/8 Cushion	3	
8	RC902785	P-Clamp, 1-1/4 Cushion	2	
9	RC901023	Bolt, 5/16-18 x 3/4 SS Carriage	14	
10	RC900579	Nut, 5/16-18 YZ Nylock	14	
11	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
12	RC901032	Bolt, 3/8-16 x 1-1/4 SS Carriage	13	
13	RC900728	Washer, 3/8 YZ Lock	4	
14	RC900677	Washer, 3/8 SAE YZ Hard Flat	27	
15	RC902699	Washer, 3/8 USS YZ Hard Flat	4	
16	RC900583	Nut, 3/8-16 YZ Nylock	13	

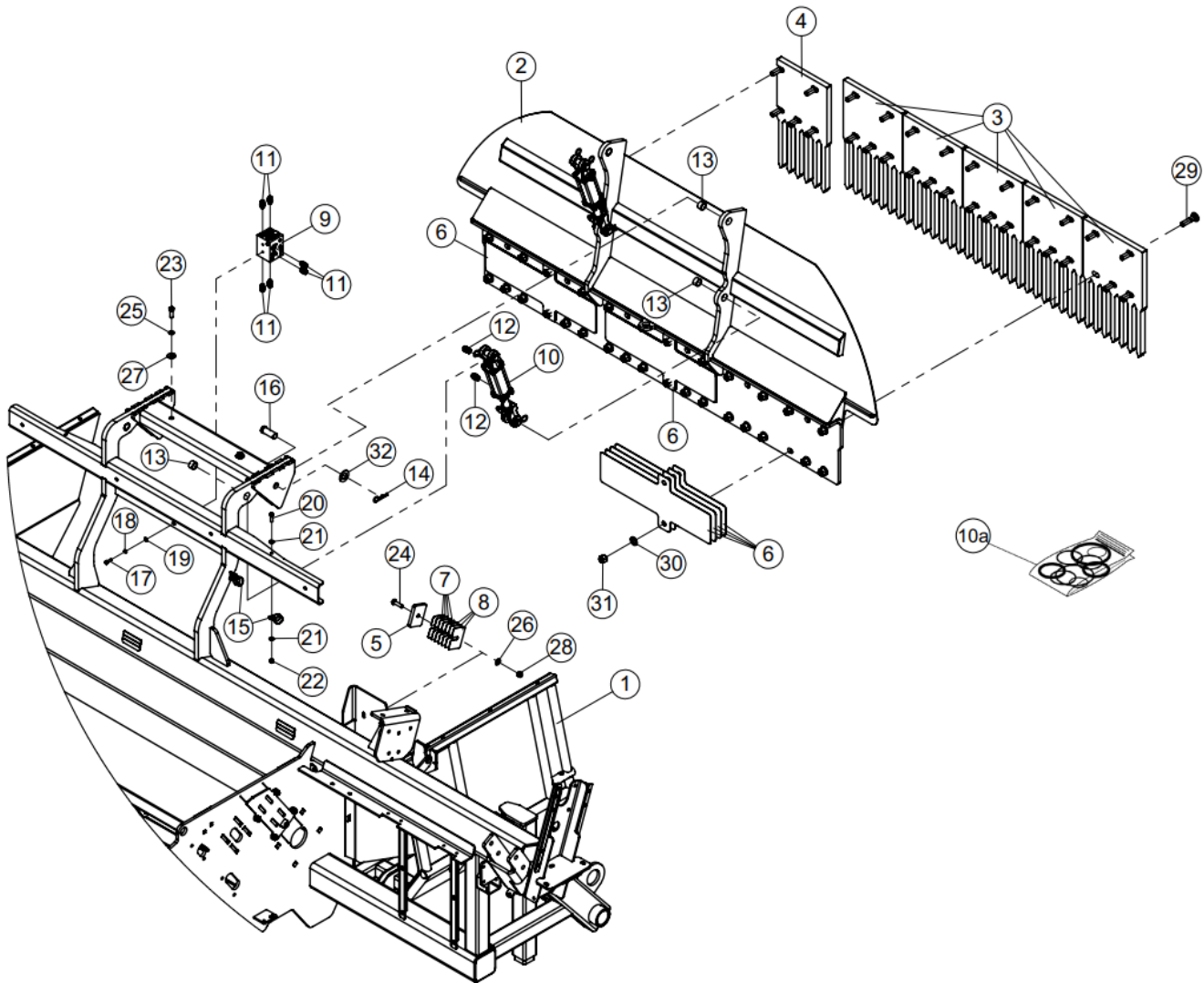
3.1 – T7060 Stripper Bars



3.1 – T7060 Stripper Bars

Key	Part Number	Description	Qty	Comments
1	AB3170700	Frame, T7060 Main	1	
2	AB3170626	Replacement, LH Stripper Bar Plate	5	
3	RC902766	Bolt, 3/4 x 3 Gr 5 CZ Carriage	25	
4	RC902416	Washer, 3/4 SAE YZ Hard Flat	25	
5	RC900597	Nut, 3/4-10 YZ Nylock	25	

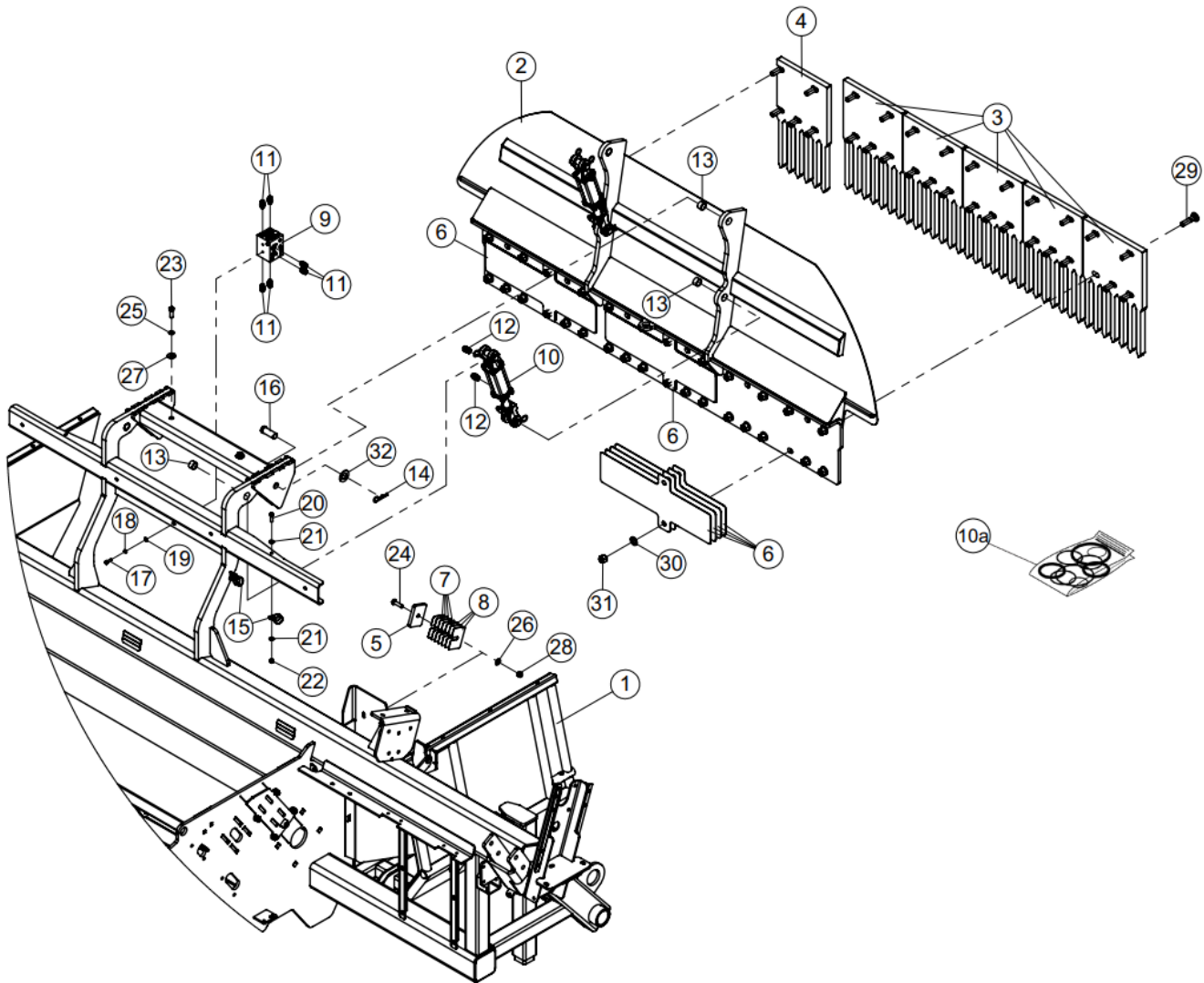
3.2 – Tunnel Cleanout



3.2 – Tunnel Cleanout

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
2	AB3170225	Door, Cleanout	1	
3	AB3170626	Replacement, LH Stripper Bar Plate	1	
4	AB3170597	Replacement, RH Stripper Bar Plate	5	
5	AB3170264	Guide, Stripper Bar	2	
6	AB3170913	Shim, Stripper Bar	AR	
7	AB3170265	Shim, Stripper Bar Guide	AR	
8	AB3170912	Shim, .060" Stripper Bar Guide	AR	
9	RC950603	Assembly, #06 ORB x 2 Flow Divider	1	See breakdown on Parts Page 10.9
10	RC950477	Cylinder, 2" x 4" Tie Rod	2	
10a	RC950639	Kit, Cylinder Seal	1	
11	RC700077	Adapter, -06 MORFS -06 MORB Straight	6	
12	RC700078	Adapter, -06 MORFS -08 MORB Straight	4	
13	RC950611	Bearing, 1" ID x 3/4" High Load Bronze Sleeve	6	
14	RC900897	Hairpin, .177 x 3-1/4 CZ	2	
15	RC902785	P-Clamp, 1-1/4 Cushion	2	
16	RC901610	Pin, 1 x 2-1/2 CZ Clevis	2	
17	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	2	
18	RC900726	Washer, 5/16 YZ Lock	2	
19	RC902162	Washer, 5/16 SAE YZ Hard Flat	2	
20	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	2	
21	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
22	RC900583	Nut, 3/8-16 YZ Nylock	2	

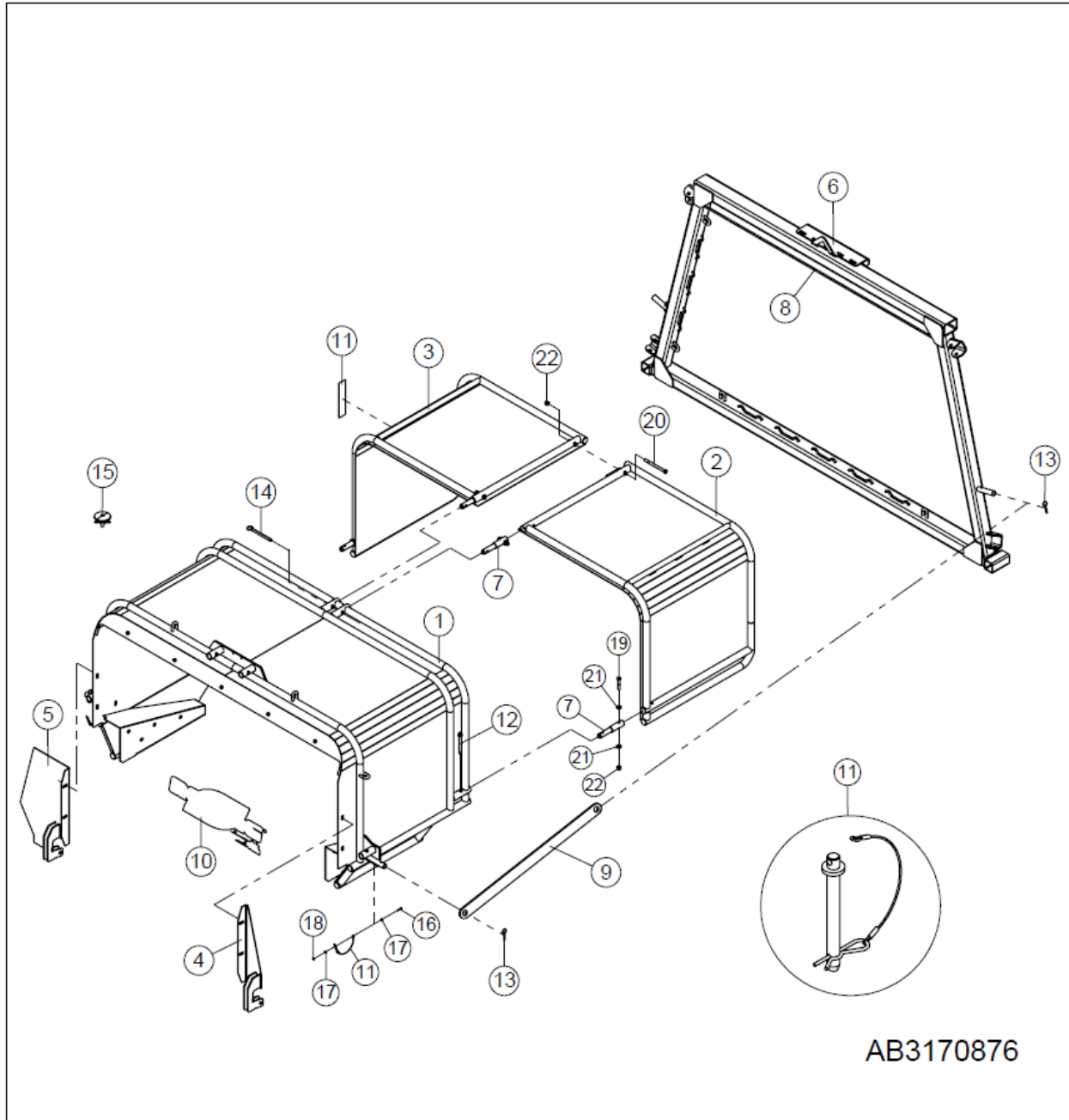
3.2 – Tunnel Cleanout - Continued



3.2 – Tunnel Cleanout - Continued

Key	Part Number	Description	Qty	Comments
23	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	2	
24	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	2	
25	RC900731	Washer, 1/2 YZ Lock	2	
26	RC900691	Washer, 1/2 SAE YZ Hard Flat	2	
27	RC900689	Washer, 1/2 USS YZ Hard Flat	2	
28	RC900588	Nut, 1/2-13 YZ Nylock	2	
29	RC902766	Bolt, 3/4 x 3 Gr 5 CZ Carriage	30	
30	RC902416	Washer, 3/4 SAE YZ Hard Flat	30	
31	RC900597	Nut, 3/4-10 YZ Nylock	30	
32	RC900708	Washer, 1 SAE YZ Hard Flat	2	

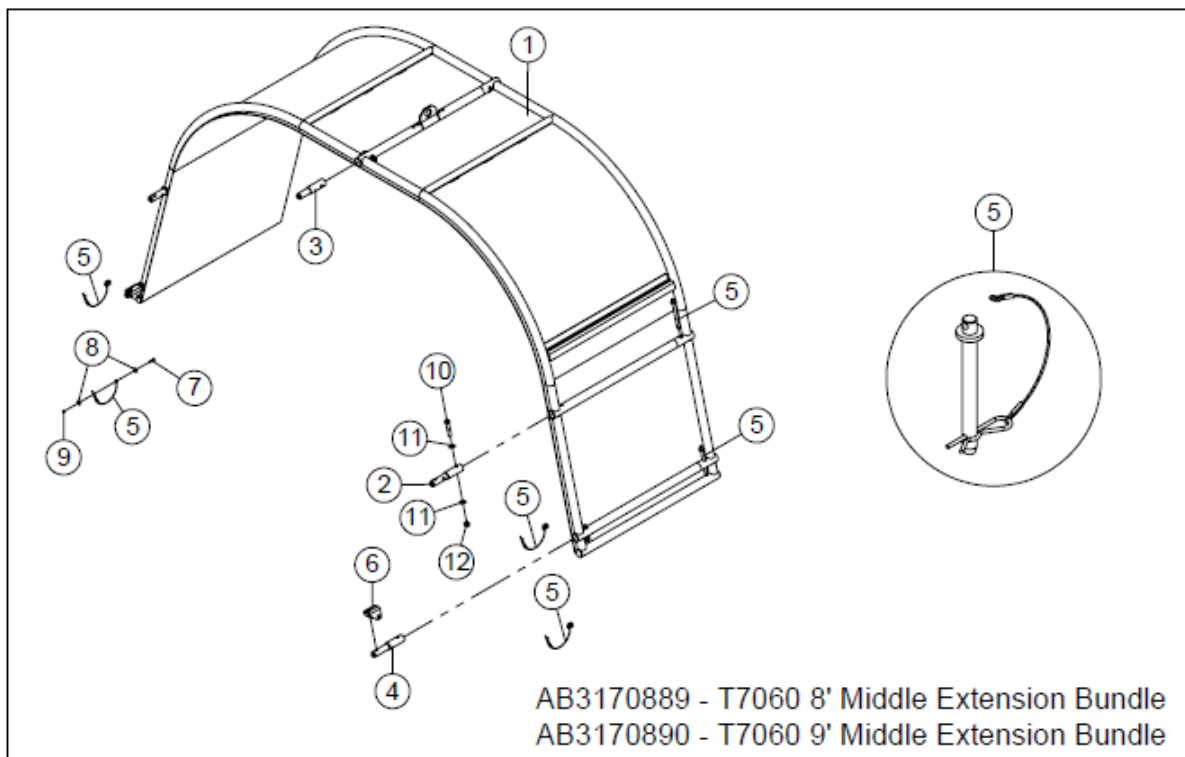
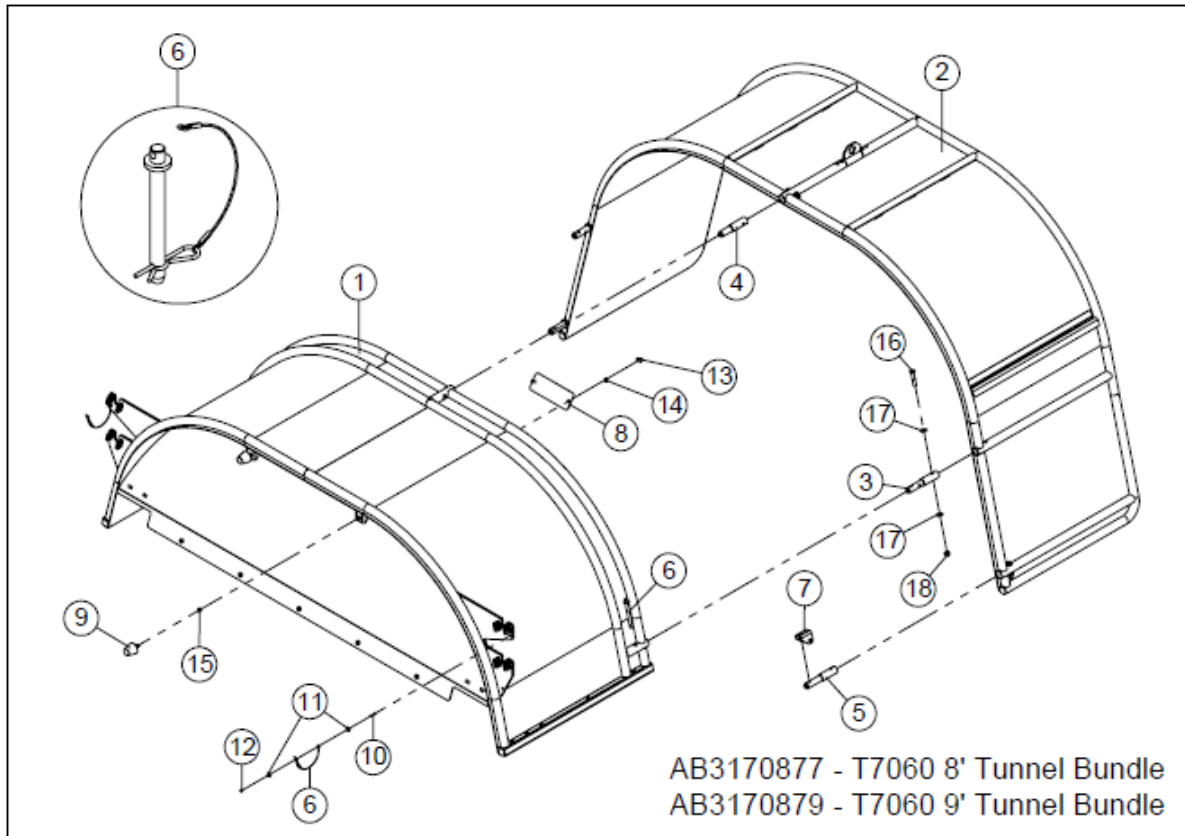
4.1 – T7060 6' Tunnel



4.1 – T7060 6' Tunnel

Key	Part Number	Description	Qty	Comments
1	AB3170851	Tunnel, 6' Base	1	
2	AB3170853	Extension, 6' LH Tunnel	1	
3	AB3170855	Extension, 6' RH Tunnel	1	
4	AB3170888	Bracket, LH Bag Pan	1	
5	AB3170885	Bracket, RH Bag Pan	1	
6	AB3170849	Backstop, 6 ft	1	
7	AB3171763	Pin, YZ Extension Lower	4	
8	AA1560005	Rope, 3/8" x 300' Backstop	1	
9	AB3170898	Strap, 6 ft Backstop	2	
10	AB3170795	Decal, 10.5" x 28" AgBag by RCI Logo	1	
11	RC901939	Reflector, Yellow 2 x 9	1	
12	AB3170998	Pin/Lanyard, Tunnel	2	Pins come with lanyard
13	RC902806	Pin, 1/4 x 1-5/8 CZ Detent	4	
14	RC902801	Pin, 1/2 x 5 CZ Detent	1	
15	RC902799	Plug, 3-1/2 O.D. Push-In	1	
16	RC900474	Screw, #10-24 x 1 CZ Hex	2	
17	RC900667	Washer, #10 SAE YZ Flat	4	
18	RC902420	Nut, #10-24 YZ Nylock	2	
19	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	4	
20	RC900286	Bolt, 1/2-13 x 6 Gr 8 YZ Hex	1	
21	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
22	RC900588	Nut, 1/2-13 YZ Nylock	5	

4.2 – T7060 8' & 9' Tunnels



4.2 – T7060 8' & 9' Tunnels

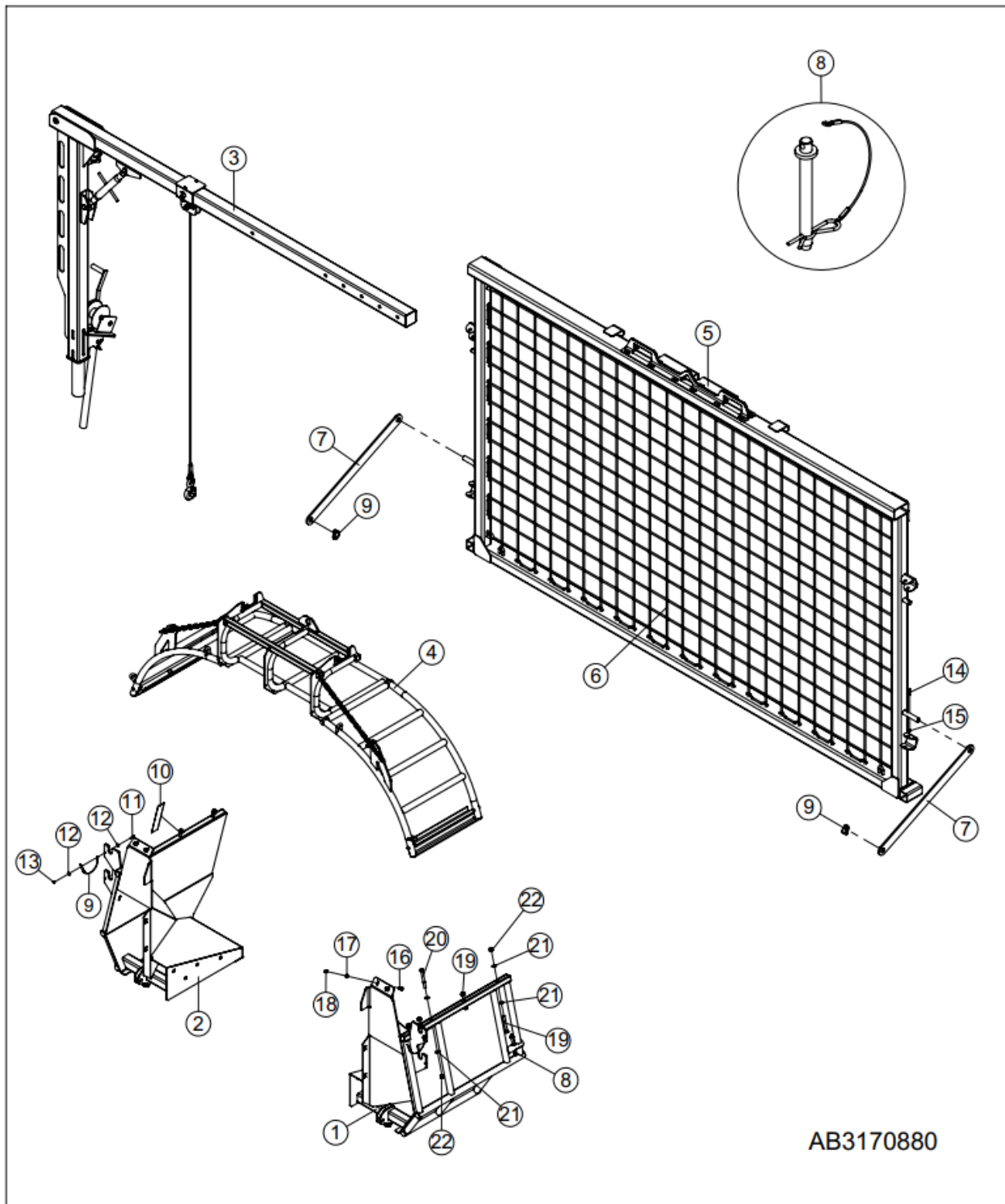
Base/End Extension Bundles

Key	Part Number	Description	Qty	Comments
1	AB3170801	Tunnel, T7060 8' Base	1	
	AB3170807	Tunnel, T7060 9' Base	1	
2	AB3170805	Extension, T7060 8' End Tunnel	1	
	AB3170811	Extension, T7060 9' End Tunnel	1	
3	AB3171074	Pin, YZ Extension	2	
4	AB3171076	Pin, YZ Tunnel Extension Top	1	
5	AB3171763	Pin, YZ Extension Lower	2	
6	AB3170998	Pin/Lanyard, Tunnel	2	Pins come with lanyard
7	AB3171768	Retainer, Tunnel	2	
8	AB3170554	Plate, Fork Access Door	2	
9	RC902805	Bumper, 3/8-16 x 1-1/4 Black Threaded Stud	2	
10	RC900474	Screw, #10-24 x 1 CZ Hex	2	
11	RC902870	Washer, #10 CZ Fender	4	
12	RC902420	Nut, #10-24 YZ Nylock	2	
13	RC901091	Screw, 3/8-16 x 1 SS Button Head Socket	4	
14	RC901166	Washer, 3/8 SS Lock	4	
15	RC900524	Nut, 3/8-16 YZ Hex	2	
16	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	5	
17	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
18	RC900588	Nut, 1/2-13 YZ Nylock	5	

Middle Extension Bundles

Key	Part Number	Description	Qty	Comments
1	AB3170803	Extension, T7060 8' Middle Tunnel	1	
	AB3170809	Extension, T7060 9' Middle Tunnel	1	
2	AB3171074	Pin, YZ Extension	2	
3	AB3171076	Pin, YZ Tunnel Extension Top	1	
4	AB3171763	Pin, YZ Extension Lower	2	
5	AB3170998	Pin/Lanyard, Tunnel	4	Pins come with lanyard
6	AB3171768	Retainer, Tunnel	2	
7	RC900474	Screw, #10-24 x 1 CZ Hex	4	
8	RC902870	Washer, #10 CZ Fender	8	
9	RC902420	Nut, #10-24 YZ Nylock	4	
10	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	5	
11	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
12	RC900588	Nut, 1/2-13 YZ Nylock	5	

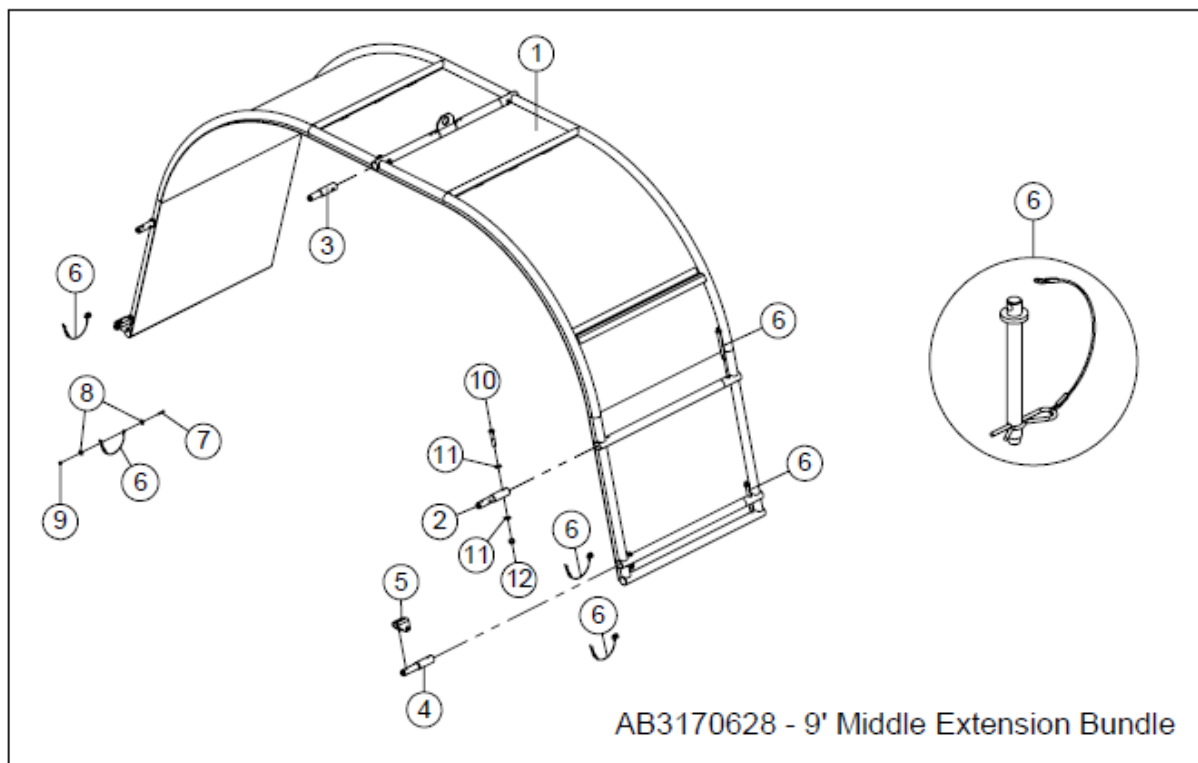
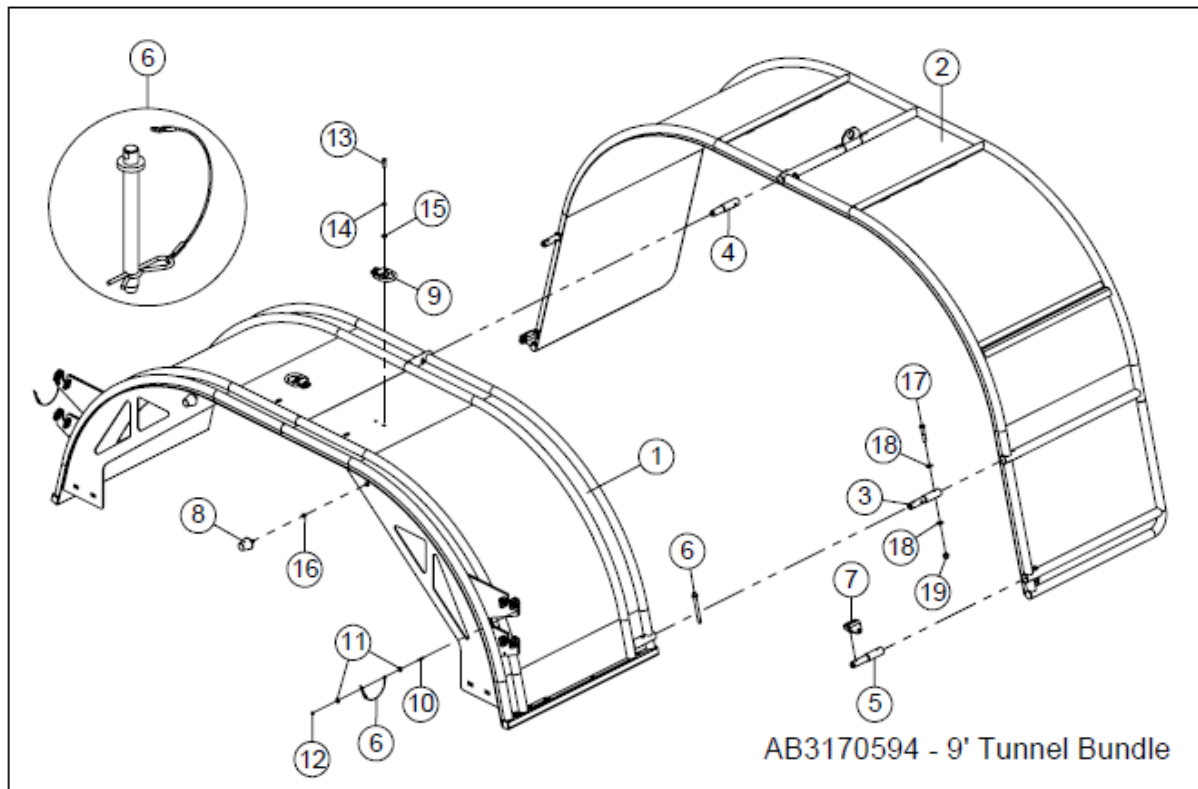
4.3 – T7060 8' & 9' Tunnel Completion



4.3 – T7060 8' & 9' Tunnel Completion

Key	Part Number	Description	Qty	Comments
1	AB3170841	Base, LH T7060 Tunnel	1	
2	AB3170843	Base, RH T7060 Tunnel	1	
3	AB3170443	Assembly, Bag Boom	1	See breakdown on Parts Page 4.6
4	AB3170369	Cradle, Bag 9'&10'	1	See breakdown on Parts Page 4.7
5	AB3170752	Backstop, 9 ft	1	
6	AA1560006	Rope, 3/8" x 400' Backstop	1	
7	AB3170581	Strap, Backstop	2	
8	AB3170998	Pin/Lanyard, Tunnel	2	Pins come with lanyard
9	RC900907	Pin, 7/16 x 1-3/4 CZ Lynch	2	
10	RC901939	Reflector, Yellow 2 x 9	1	
11	RC900474	Screw, #10-24 x 1 CZ Hex	2	
12	RC902870	Washer, #10 CZ Fender	4	
13	RC902420	Nut, #10-24 YZ Nylock	2	
14	RC900045	Bolt, 1/4-20 x 1-1/2 Gr5 YZ Hex	2	
15	RC900575	Nut, 1/4-20 YZ Nylock	2	
16	RC902649	Bolt, 3/8-16 x 1-1/4 Gr 5 CZ Carriage	4	
17	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
18	RC900583	Nut, 3/8-16 YZ Nylock	4	
19	RC900147	Bolt, 1/2-13 x 4 Gr 5 YZ Hex	4	
20	RC900148	Bolt, 1/2-13 x 4-1/2 Gr 5 YZ Hex	6	
21	RC900691	Washer, 1/2 SAE YZ Hard Flat	20	
22	RC900588	Nut, 1/2-13 YZ Nylock	10	

4.4 – T7170 & T7270 9' Tunnel



4.4 – T7170 & T7270 9' Tunnel

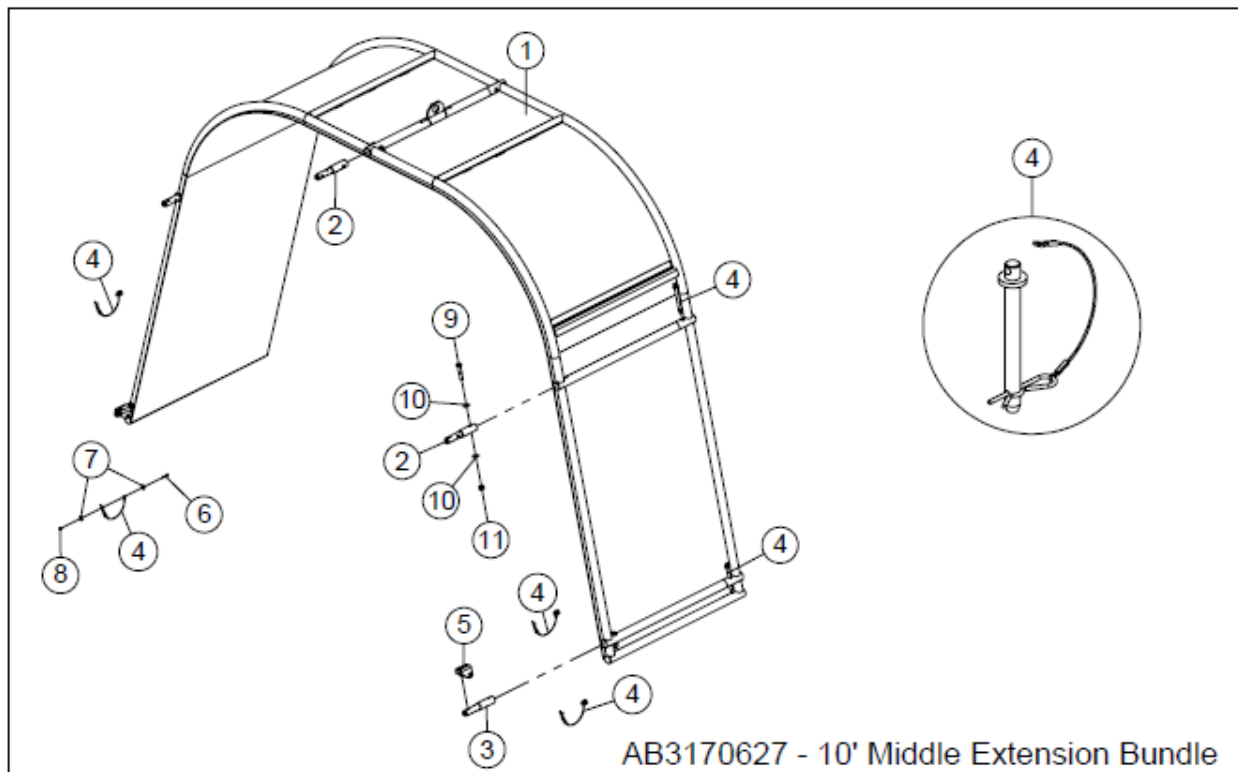
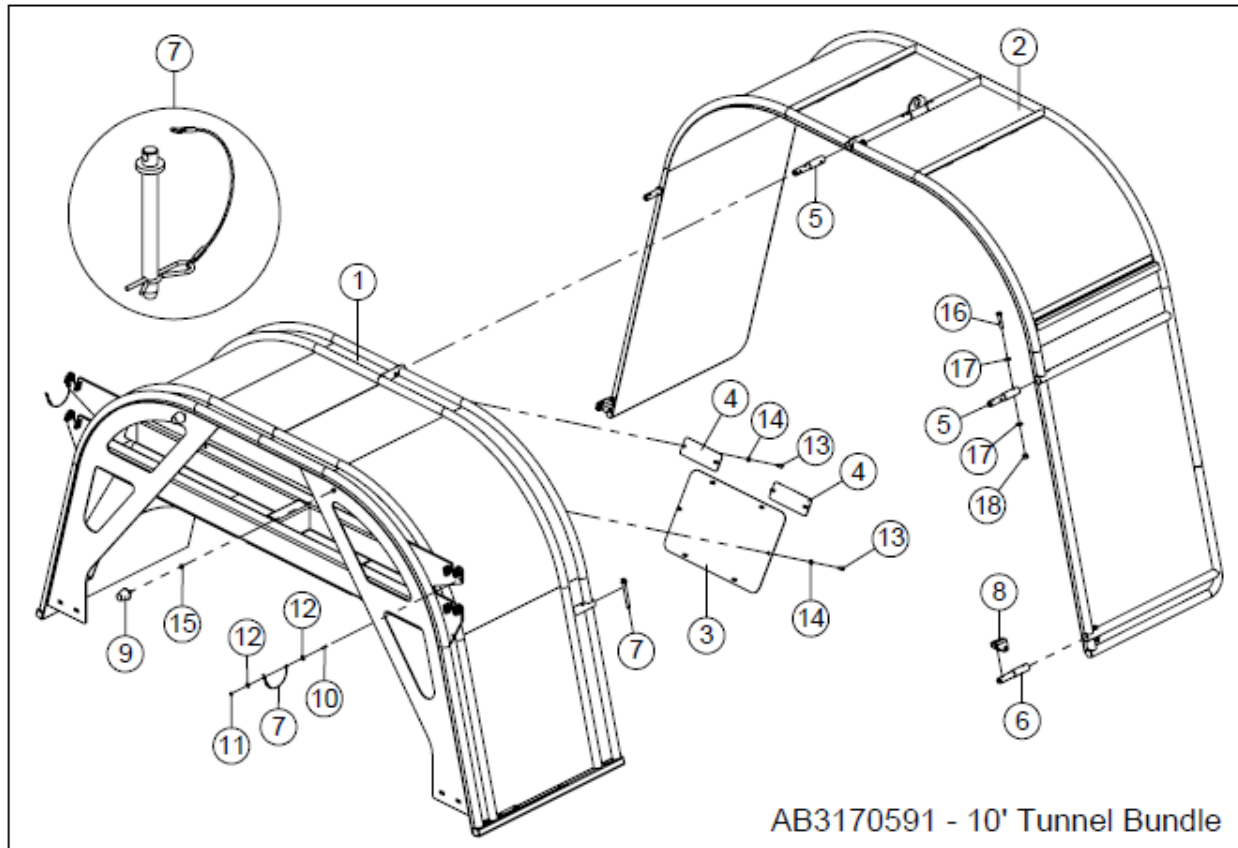
AB3170594

Key	Part Number	Description	Qty	Comments
1	AB3170277	Tunnel, 9'	1	
2	AB3170375	Extension, 9' End	1	
3	AB3171074	Pin, YZ Extension	2	
4	AB3171076	Pin, YZ Tunnel Extension Top	1	
5	AB3171763	Pin, YZ Extension Lower	2	
6	AB3170998	Pin/Lanyard, Tunnel	2	Pins come with lanyard
7	AB3171768	Retainer, Tunnel	2	
8	RC902805	Bumper, 3/8-16 x 1-1/4 Black Threaded	2	
9	RC950530	Ring, 4080 lbs Black Tie-Down	2	
10	RC900474	Screw, #10-24 x 1 CZ Hex	2	
11	RC902870	Washer, #10 CZ Fender	4	
12	RC902420	Nut, #10-24 YZ Nylock	2	
13	RC902631	Bolt, 3/8-16 x 1-1/4 Gr 8 YZ Hex	4	
14	RC900728	Washer, 3/8 YZ Lock	4	
15	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
16	RC900524	Nut, 3/8-16 YZ Hex	2	
17	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	5	
18	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
19	RC900588	Nut, 1/2-13 YZ Nylock	5	

AB3170628

Key	Part Number	Description	Qty	Comments
1	AB3170377	Extension, 9' Middle	1	
2	AB3171074	Pin, YZ Extension	2	
3	AB3171076	Pin, YZ Tunnel Extension Top	1	
4	AB3171763	Pin, YZ Extension Lower	2	
5	AB3171768	Retainer, Tunnel	2	
6	AB3170998	Pin/Lanyard, Tunnel	4	Pins come with lanyard
7	RC900474	Screw, #10-24 x 1 CZ Hex	4	
8	RC902870	Washer, #10 CZ Fender	8	
9	RC902420	Nut, #10-24 YZ Nylock	4	
10	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	5	
11	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
12	RC900588	Nut, 1/2-13 YZ Nylock	5	

4.5 – T7170 & T7270 10' Tunnel



4.5 – T7170 & T7270 10' Tunnel

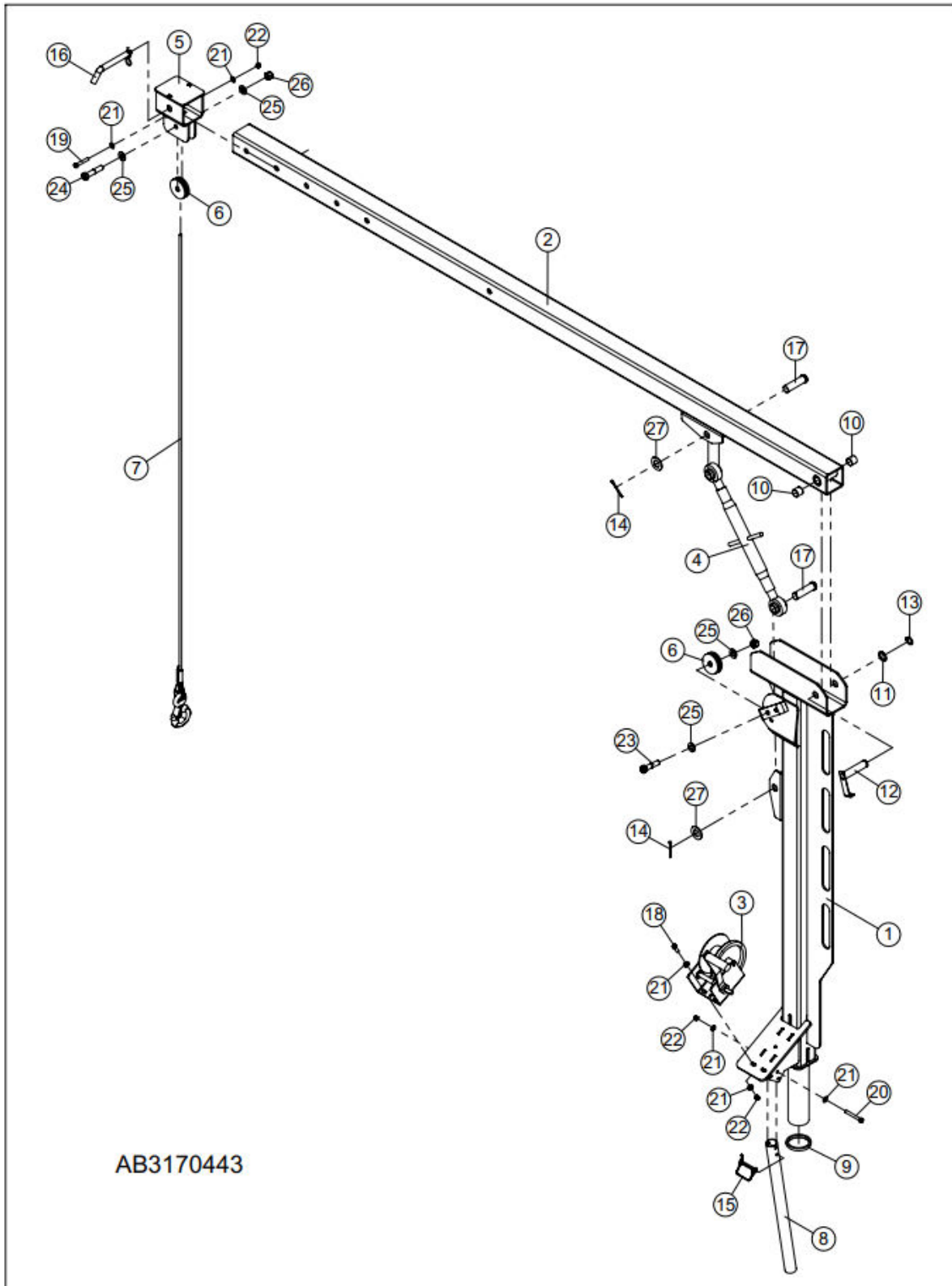
AB3170591

Key	Part Number	Description	Qty	Comments
1	AB3170279	Tunnel, 10'	1	
2	AB3170371	Extension, 10' End	1	
3	AB3170555	Door, Hood Access	1	
4	AB3170554	Plate, Fork Access Door	2	
5	AB3171074	Pin, YZ Extension	3	
6	AB3171763	Pin, YZ Extension Lower	2	
7	AB3170998	Pin/Lanyard, Tunnel	2	Pins come with lanyard
8	AB3171768	Retainer, Tunnel	2	
9	RC902805	Bumper, 3/8-16 x 1-1/4 Black Threaded	2	
10	RC900474	Screw, #10-24 x 1 CZ Hex	2	
11	RC902420	Nut, #10-24 YZ Nylock	2	
12	RC902870	Washer, #10 CZ Fender	4	
13	RC901091	Screw, 3/8-16 x 1 SS Button Head Socket	10	
14	RC901166	Washer, 3/8 SS Lock	10	
15	RC900524	Nut, 3/8-16 YZ Hex	2	
16	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	5	
17	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
18	RC900588	Nut, 1/2-13 YZ Nylock	5	

AB3170627

Key	Part Number	Description	Qty	Comments
1	AB3170373	Extension, 10' Middle	1	
2	AB3171074	Pin, YZ Extension	3	
3	AB3171763	Pin, YZ Extension Lower	2	
4	AB3170998	Pin/Lanyard, Tunnel	4	Pins come with lanyard
5	AB3171768	Retainer, Tunnel	2	
6	RC900474	Screw, #10-24 x 1 CZ Hex	4	
7	RC902870	Washer, #10 CZ Fender	8	
8	RC902420	Nut, #10-24 YZ Nylock	4	
9	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	5	
10	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
11	RC900588	Nut, 1/2-13 YZ Nylock	5	

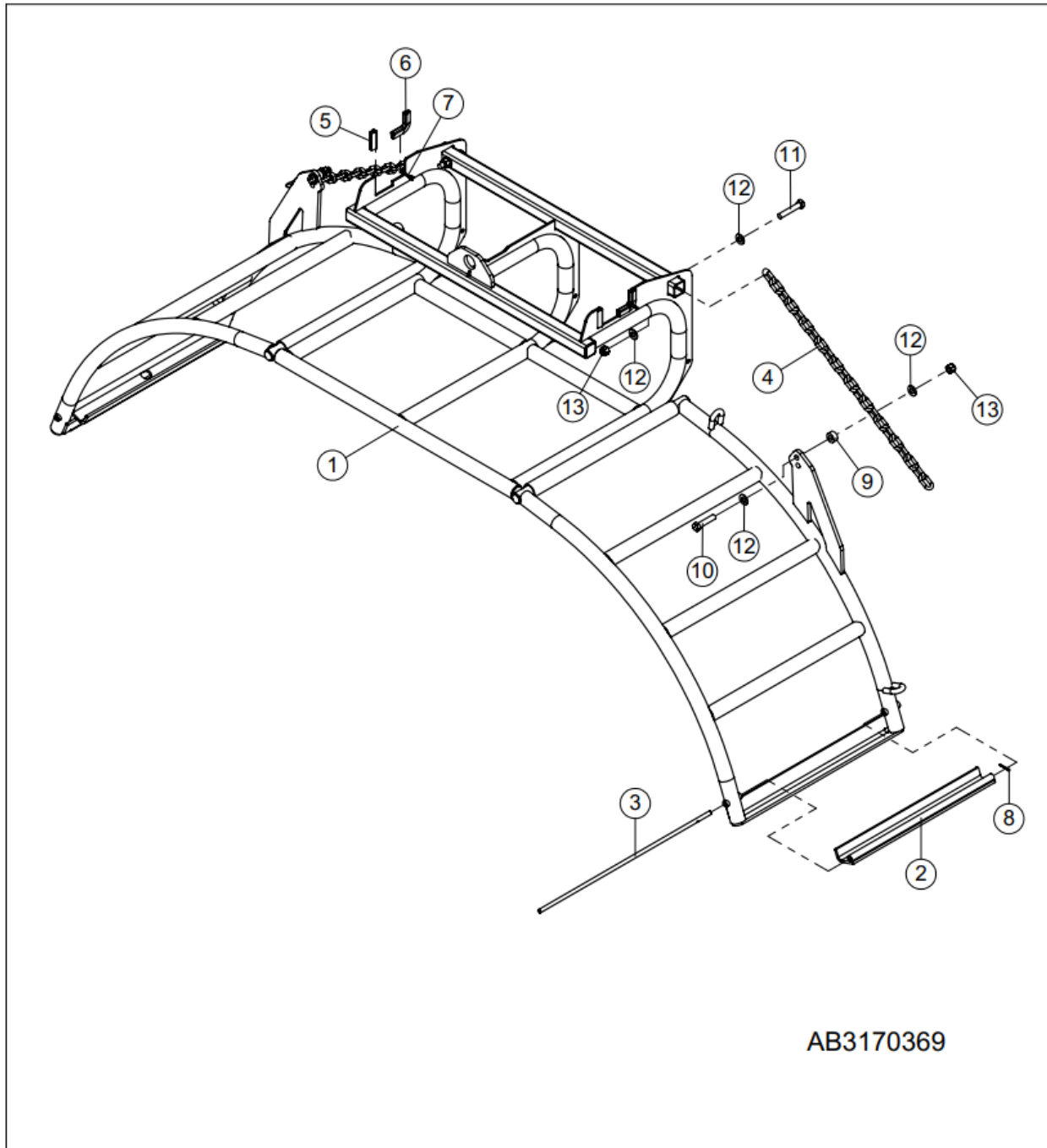
4.6 – Bag Boom



4.6 – Bag Boom

Key	Part Number	Description	Qty	Comments
1	AB3170438	Vertical Frame, Bag Boom	1	
2	AB3170440	Horizontal Frame, Bag Boom	1	
3	AA0900397	Winch, Brake DLB1500A	1	
4	AA2121349	Top Link, Cat 2 Hitch	1	
5	AB3170436	Pulley Mount, Bag Boom	1	
6	AA1060036	Pulley, Bag Boom 3 in.	2	
7	AA1501691	Cable, 1/4 X 30 ft w/Hook	1	
8	AB3170442	Handle, Boom	1	
9	AB3170618	Bushing, Boom	1	
10	RC950190	Bushing, 1" ID x 1" Sleeve	2	
11	RC901679	Bushing, 1 x 14 Ga YZ Machinery	1	
12	AB3170606	Pin, Pivot Crane	1	
13	RC901875	Ring, 1 BP HD External Snap	1	
14	RC900834	Pin, 3/16 x 2 CZ Cotter	2	
15	RC902595	Pin, 3/8 x 2-1/2 CZ Square Retainer	1	
16	RC902779	Pin, 3/4 x 5 CZ Bent Pull Hitch	1	
17	RC902648	Pin, 1 x 3-1/2 CZ Clevis	2	
18	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	3	
19	RC900100	Bolt, 3/8-16 x 2-1/4 Gr5 YZ Hex	1	
20	RC900104	Bolt, 3/8-16 x 3 Gr 5 YZ Hex	1	
21	RC900677	Washer, 3/8 SAE YZ Hard Flat	10	
22	RC900583	Nut, 3/8-16 YZ Nylock	5	
23	RC900174	Bolt, 5/8-11 x 2-3/4 Gr 5 YZ Hex	1	
24	RC900175	Bolt, 5/8-11 x 3 Gr 5 YZ Hex	1	
25	RC900694	Washer, 5/8 SAE YZ Hard Flat	4	
26	RC900593	Nut, 5/8-11 YZ Nylock	2	
27	RC900708	Washer, 1 SAE YZ Hard Flat	2	

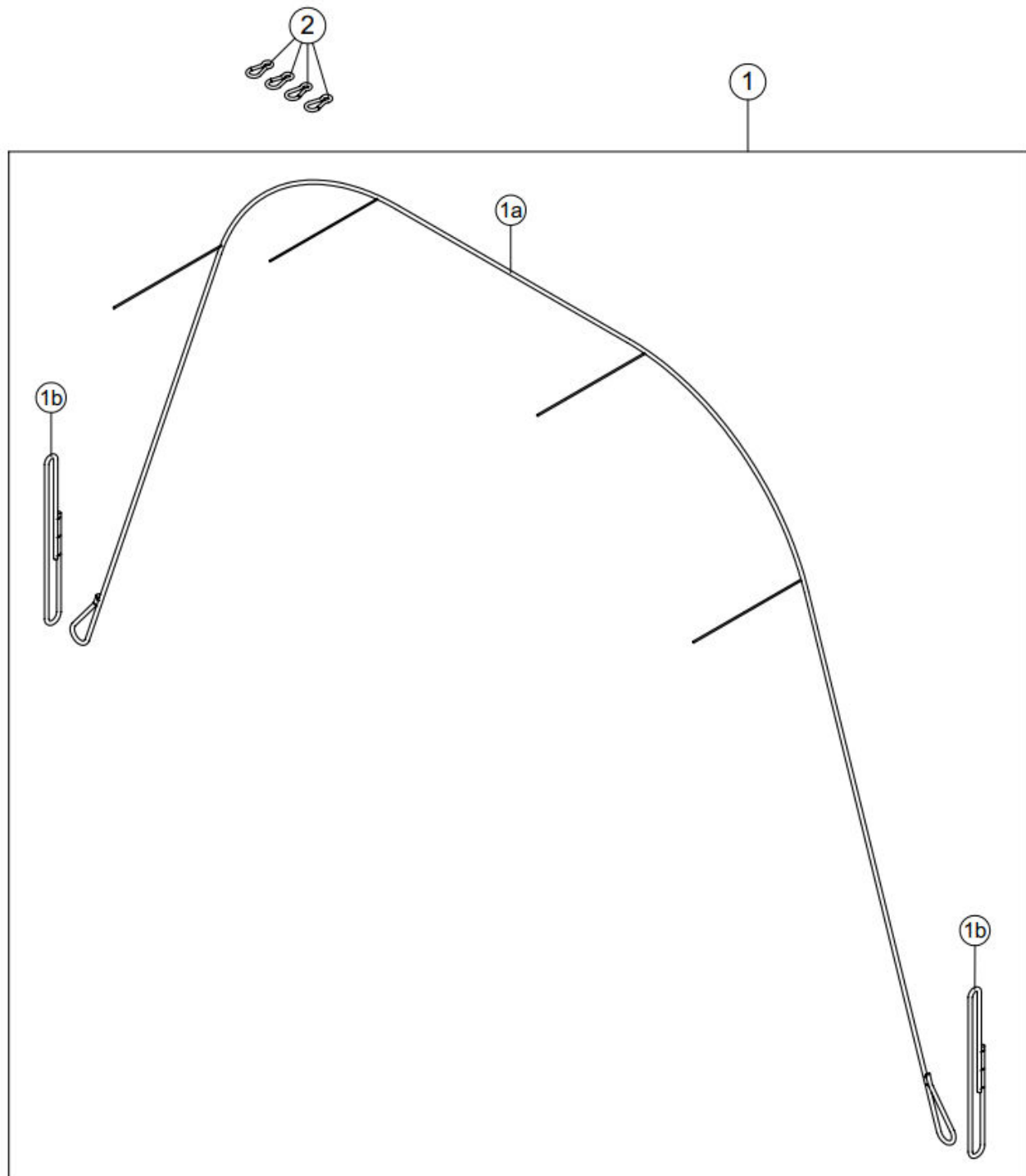
4.7 – Cradle



4.7 – Cradle

Key	Part Number	Description	Qty	Comments
1	AB3170368	Cradle, Bag 9'&10'	1	
2	AB3170366	Extension Hook, Cradle	2	
3	AB3170600	Hinge Rod, Cradle	2	
4	RC950637	Chain, 1/4 Grade 43 x 22 Links	2	
5	AB3170989	Trim, 2" C.L. Edge	2	
6	AB3170997	Trim, 3" C.L. Edge	2	
7	RC901973	Tie, 11 UV Resistant Cable	2	
8	RC900839	Pin, 1/8 x 1 YZ Cotter	2	
9	RC902481	Spacer, .505" ID x 1.00" OD x 1/2" CZ	2	
10	RC900139	Bolt, 1/2-13 x 2-1/4 Gr 5 YZ Hex	2	
11	RC900141	Bolt, 1/2-13 x 2-3/4 Gr 5 YZ Hex	2	
12	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
13	RC900588	Nut, 1/2-13 YZ Nylock	4	

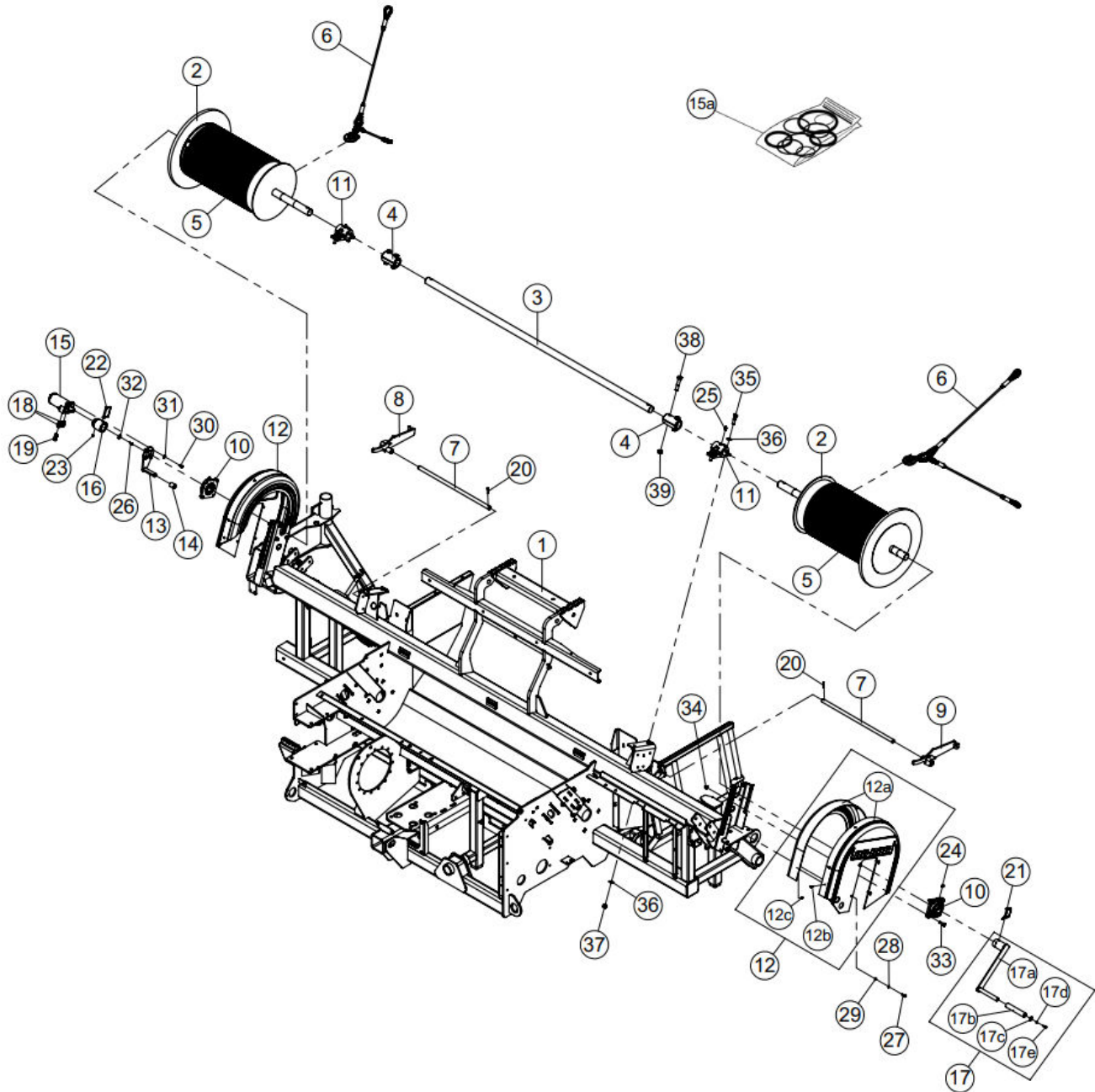
4.8 – Bungee Kit



4.8 – Bungee Kit

Key	Part Number	Description	Qty	Comments
1	AA1560004	Kit, Bungee Cord	1	
1a	AA1560000	Bungee Cord, Tunnel	1	
1b	AA1560001	Bungee Cord, Bag Pan	2	
2	RC902780	Carabiner, 3/8 x 3-3/16 CZ	4	

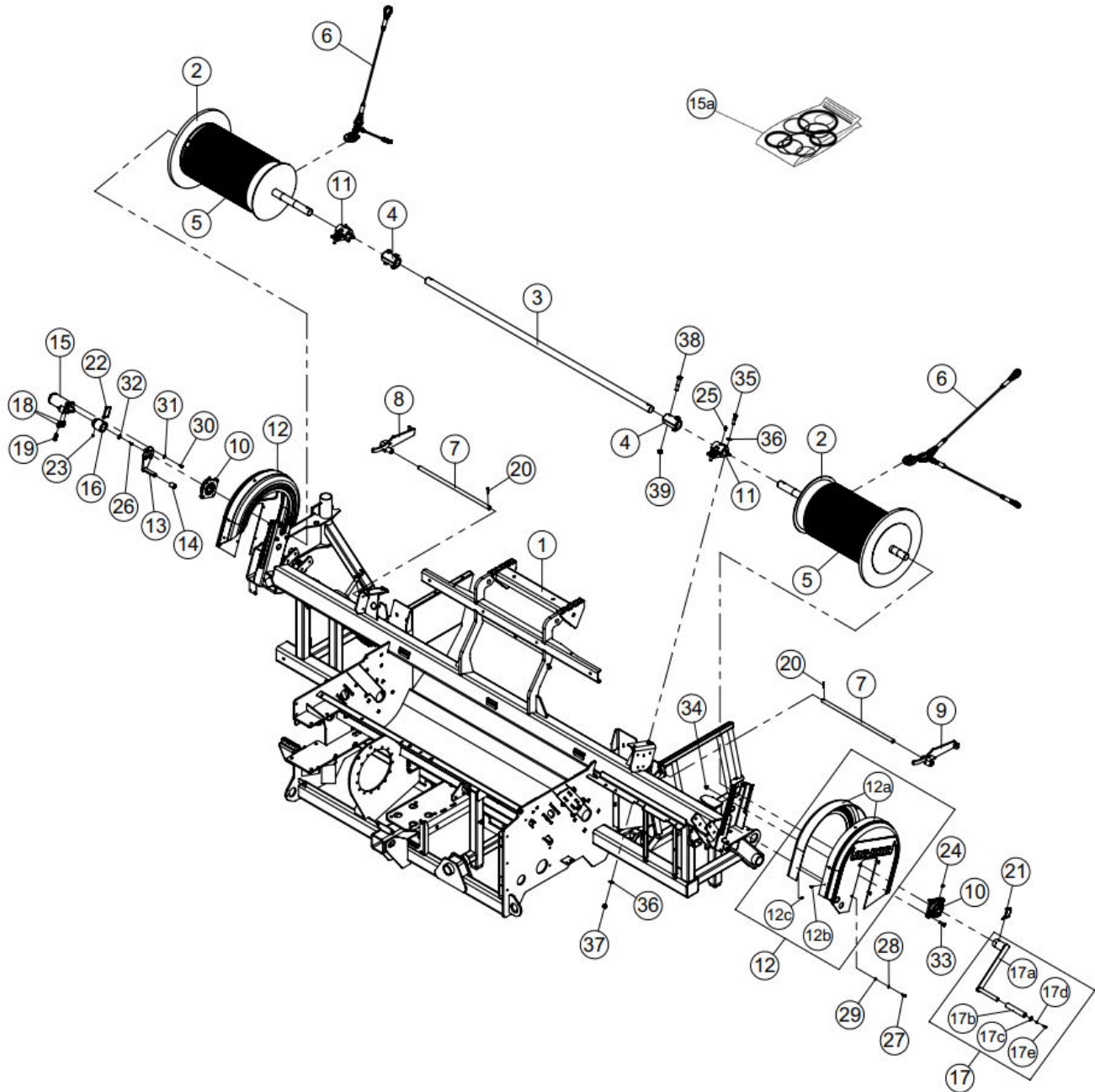
5.1 – Cable Drums



5.1 – Cable Drums

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3170530	Drum, Cable	2	
3	AB3170532	Shaft, Center Drum	1	T7170 & T7270
	AB3170720	Shaft, T7060 Center Cable Drum	1	T7060
4	AB3170578	Coupler, Drum Shaft	2	
5	AA3160389	Cable, 3/8 x 295 ft	2	
6	AA1500412	Sling, Backstop Cable 7/16x35	2	
7	AA6003018	Rod, YZ Cable Rewind	2	
8	AB3171292	Guide, RH 3/8" Cable	1	
9	AB3171290	Guide, LH 3/8" Cable	1	
10	AA1510044	Bearing, 2" Bore w/ 4-Bolt Flange	2	
11	AA1510047	Bearing, 2 Split Babbit	2	
12	AA0902140	Cover, Cable Drum Brake	2	
12a	AA3160180	Cover, Cable Drum Brake	1	
12b	RC902725	Screw, 1/4-20 x 1 CZ Button Head Socket	6	
12c	RC900655	Nut, 1/4-20 YZ Nylock Flange	6	
13	AA6008011	Mount, Motor	1	
14	AA1501477	Tubing, 1-1/4" OD x 1" ID x 1-1/2" Black Vinyl	1	
15	RC950614	Motor, Hydraulic	1	
15a	RC950568	Kit, Seal	1	
16	AA1030014	Coupler, Cable Rewind Motor	1	
17	AA1030017	Crank, Cable Rewind	1	
17a	AA3160472	Crank, Cable Rewind	1	
17b	AA3160471	Handle, Cable Rewind Crank	1	
17c	RC901910	Washer, 5/16 CZ Fender (1-1/4 O.D.)	1	
17d	RC900725	Washer, 5/16 CZ Lock	1	
17e	RC901438	Bolt, 5/16-18 x 1 Gr 5 CZ Hex	1	

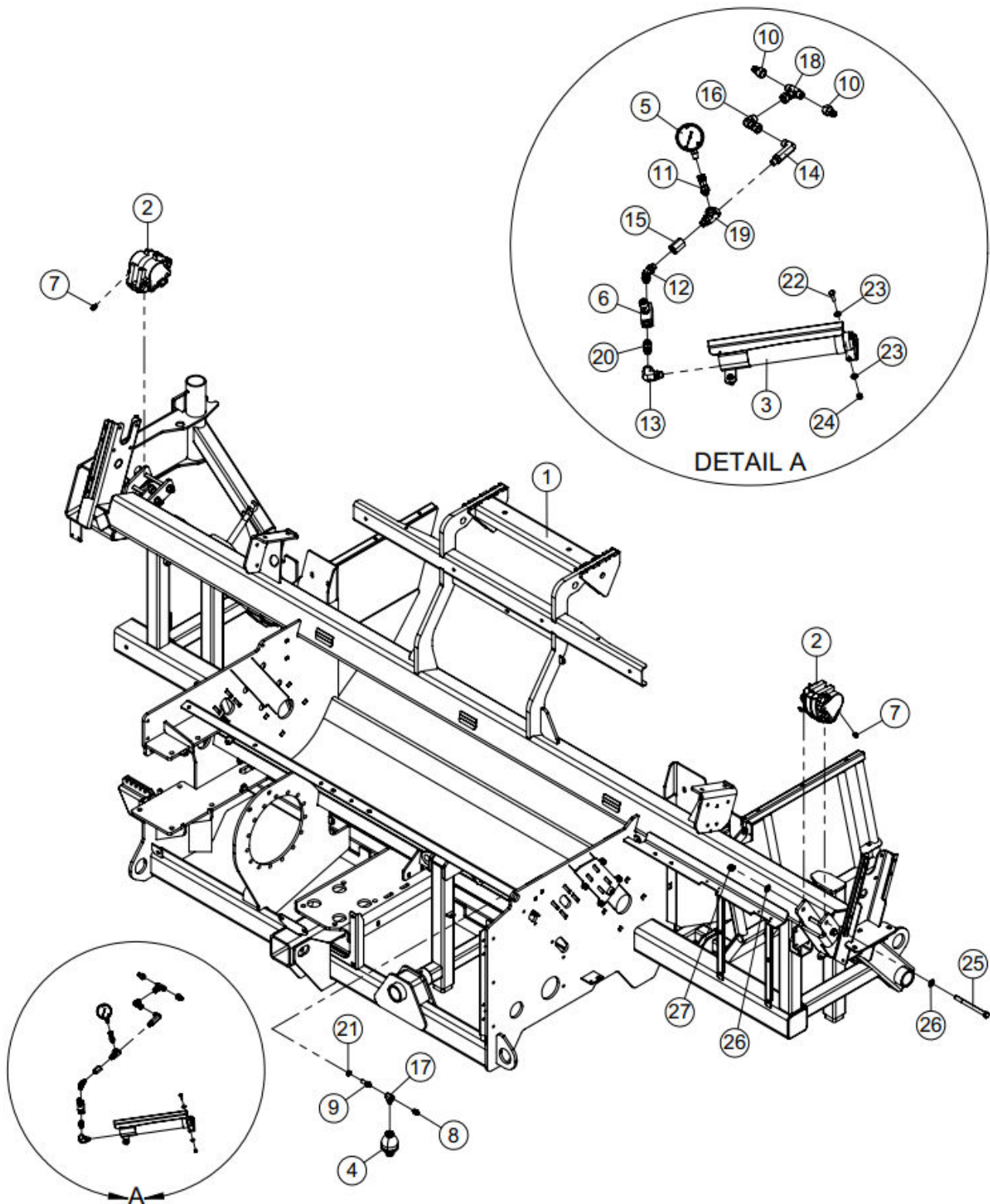
5.1 – Cable Drums



5.1 – Cable Drums - Continued

Key	Part Number	Description	Qty	Comments
18	RC700079	Adapter, -06 MORFS -10 MORB Straight	2	
19	RC702608	Adapter, .062" x -06 MORFS -06 FORFS Swivel Orifice	1	
20	RC901824	Pin, 5/32 x 1-1/2 CZ Cotter	2	
21	RC902595	Pin, 3/8 x 2-1/2 CZ Locking Square Retainer	1	
22	RC900902	Pin, 3/8 x 3 CZ Locking Square Retainer	1	
23	RC901823	Screw, 3/8-16 x 1/2 Socket Cup Point Set	2	
24	RC901754	Zerk, 1/8-27 MPT 90° Grease	2	
25	RC902787	Zerk, 1/4-18 MPT Straight Grease	2	
26	RC902116	Bolt, 1/4-20 x 3/4 Gr 5 CZ Serrated Flange	1	
27	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	8	
28	RC900726	Washer, 5/16 YZ Lock	8	
29	RC902162	Washer, 5/16 SAE YZ Hard Flat	8	
30	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
31	RC902699	Washer, 3/8 USS YZ Hard Flat	4	
32	RC900680	Washer, 3/8 CZ Heavy Fender	1	
33	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	8	
34	RC900588	Nut, 1/2-13 YZ Nylock	8	
35	RC901596	Bolt, 5/8-11 x 2-1/2 Gr 8 YZ Hex	4	
36	RC900694	Washer, 5/8 SAE YZ Hard Flat	8	
37	RC900593	Nut, 5/8-11 YZ Nylock	4	
38	RC902828	Bolt, 3/4-16 x 3-3/4 Gr 8 YZ Hex	4	
39	RC902830	Nut, 3/4-16 Gr 8 YZ Center Lock	4	

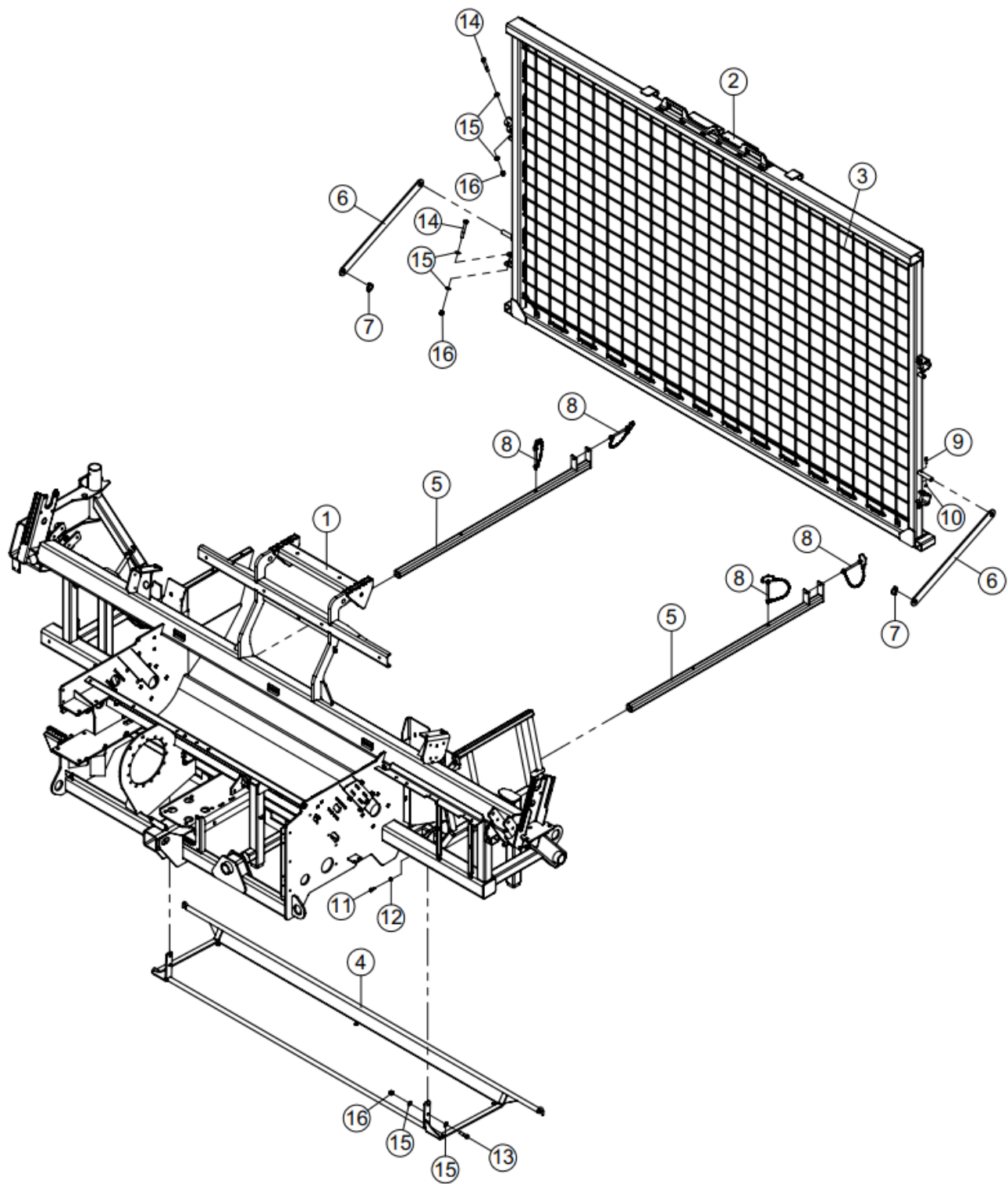
5.2 – Drum Brakes



5.2 – Drum Brakes

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
	AB3170700	Frame, T7060 Main	1	T7060
2	AA1501348	Brake, Mico 02-520-274	2	See breakdown on Parts Page 10.7
3	AA0900040	Pump, 17 CI 2000 PSI Hand	1	See breakdown on Parts Page 10.6
4	RC950658	Accumulator, 9.8 CUI	1	
5	AA1500142	Gauge, 2000 PSI SM Liquid Sill	1	
6	RC703141	Valve, -06 ORB 5000 PSI Steel Needle	1	
7	RC700073	Adapter, -04 MORFS -04 MORB Straight	2	
8	RC700074	Adapter, -04 MORFS -06 MORB Straight	1	
9	RC701016	Adapter, -04 MORFS -06 MORB Straight Bulkhead	1	
10	RC700228	Reducer, -06 FORFS -04 MORFS	2	
11	RC701488	Elbow, -06 MORB -04 FPT Swivel 45°	1	
12	RC703138	Adapter, -06 MORB 45°	1	
13	RC703151	Union, -06 MORB -06 FORB 90°	1	
14	RC700308	Elbow, -06 MORFS -06 MORB Long 90°	1	
15	RC700406	Adapter, -06 FORB -06 FORB Straight	1	
16	RC700181	Elbow, -06 MORFS -06 FORFS Swivel 90°	1	
17	RC702611	Tee, -06 MORB Branch	1	
18	RC700164	Tee, -06 ORFS Outlet	1	
19	RC703073	Tee, -06 MORB Run	1	
20	RC702617	Union, -06 MORB Straight Swivel	1	
21	RC700010	Nut, 9/16-18 Bulkhead Lock	1	
22	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	4	
23	RC902696	Washer, 1/4 SAE YZ Hard Flat	8	
24	RC900575	Nut, 1/4-20 YZ Nylock	4	
25	RC900189	Bolt, 5/8-11 x 7-1/2 Gr 5 YZ Hex	4	
26	RC900694	Washer, 5/8 SAE YZ Hard Flat	8	
27	RC900593	Nut, 5/8-11 YZ Nylock	4	
28	AB3171087	Oil, Hydraulic Jack - 1.5 qt.	1	Oil for Hand Pump

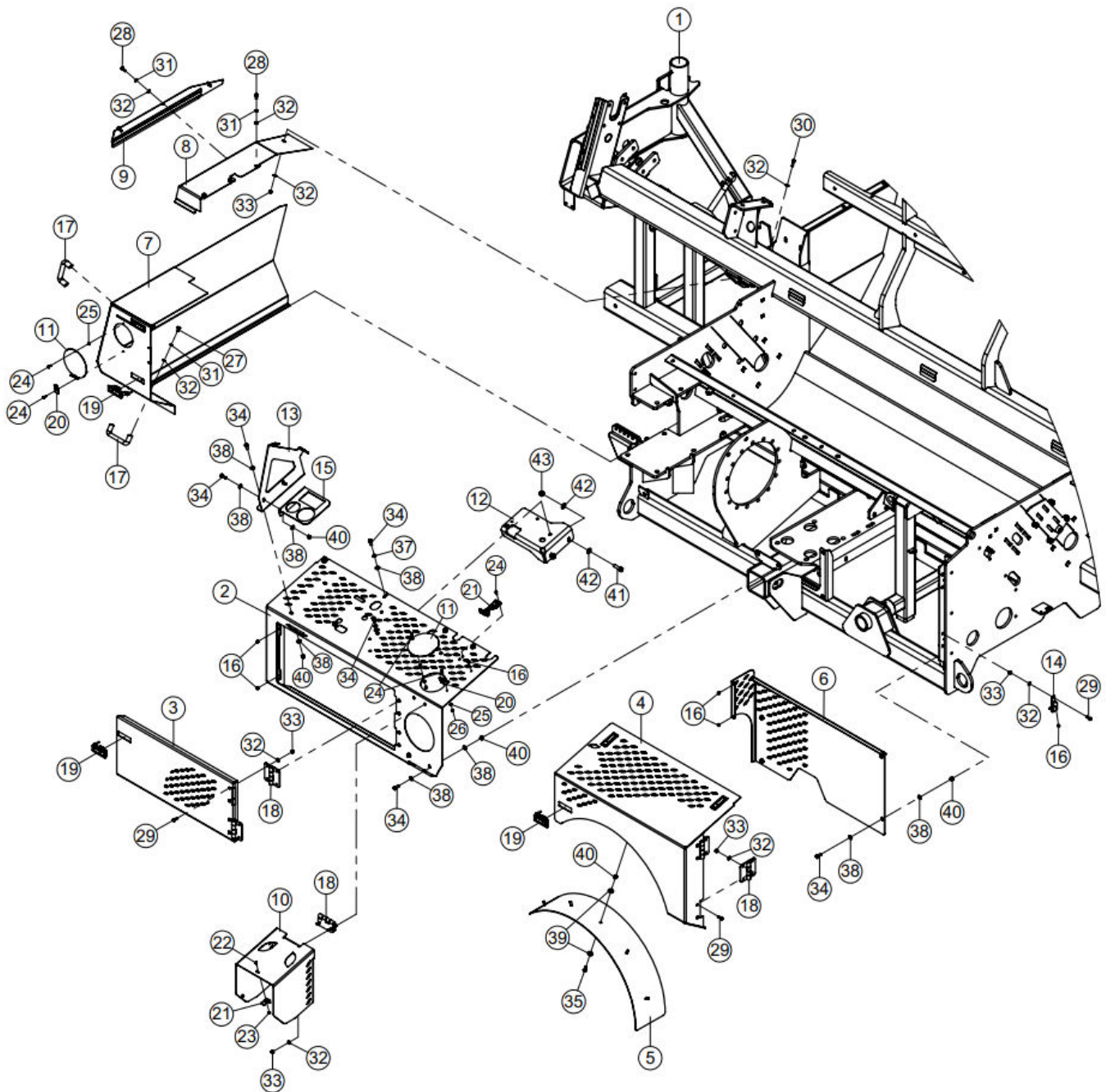
6.1 – Backstop & Bag Pan



6.1 – Backstop & Bag Pan

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3170593	Backstop, 10 ft	1	T7170 & T7270
	AB3170752	Backstop, 9 ft	1	T7060
3	AA1560007	Rope, 3/8" x 500' Backstop	1	T7170 & T7270
	AA1560006	Rope, 3/8" x 400' Backstop		T7060
4	AA6006037	Pan, T7170 Bag	1	T7170 & T7270
	AA6006005	Pan, T7060 Bag	1	T7060
5	AB3170616	Support, Backstop Transport Lock Long	2	
6	AB3170581	Strap, Backstop	2	
7	RC900907	Pin, 7/16 x 1-3/4 CZ Lynch	2	
8	RC902788	Pin, 1/2 x 5-3/4 YZ Hitch	4	
9	RC900045	Bolt, 1/4-20 x 1-1/2 Gr5 YZ Hex	2	
10	RC900575	Nut, 1/4-20 YZ Nylock	2	
11	RC900133	Bolt, 1/2-13 x 1-1/4 Gr 5 YZ Hex	2	
12	RC900612	Nut, 1/2-13 YZ Hex Jam	2	
13	RC900172	Bolt, 5/8 x 2-1/2 Gr 5 YZ Hex	2	
14	RC900182	Bolt, 5/8-11 x 4-1/2 Gr 5 YZ Hex	4	
15	RC900694	Washer, 5/8 SAE YZ Hard Flat	12	
16	RC900593	Nut, 5/8-11 YZ Nylock	6	

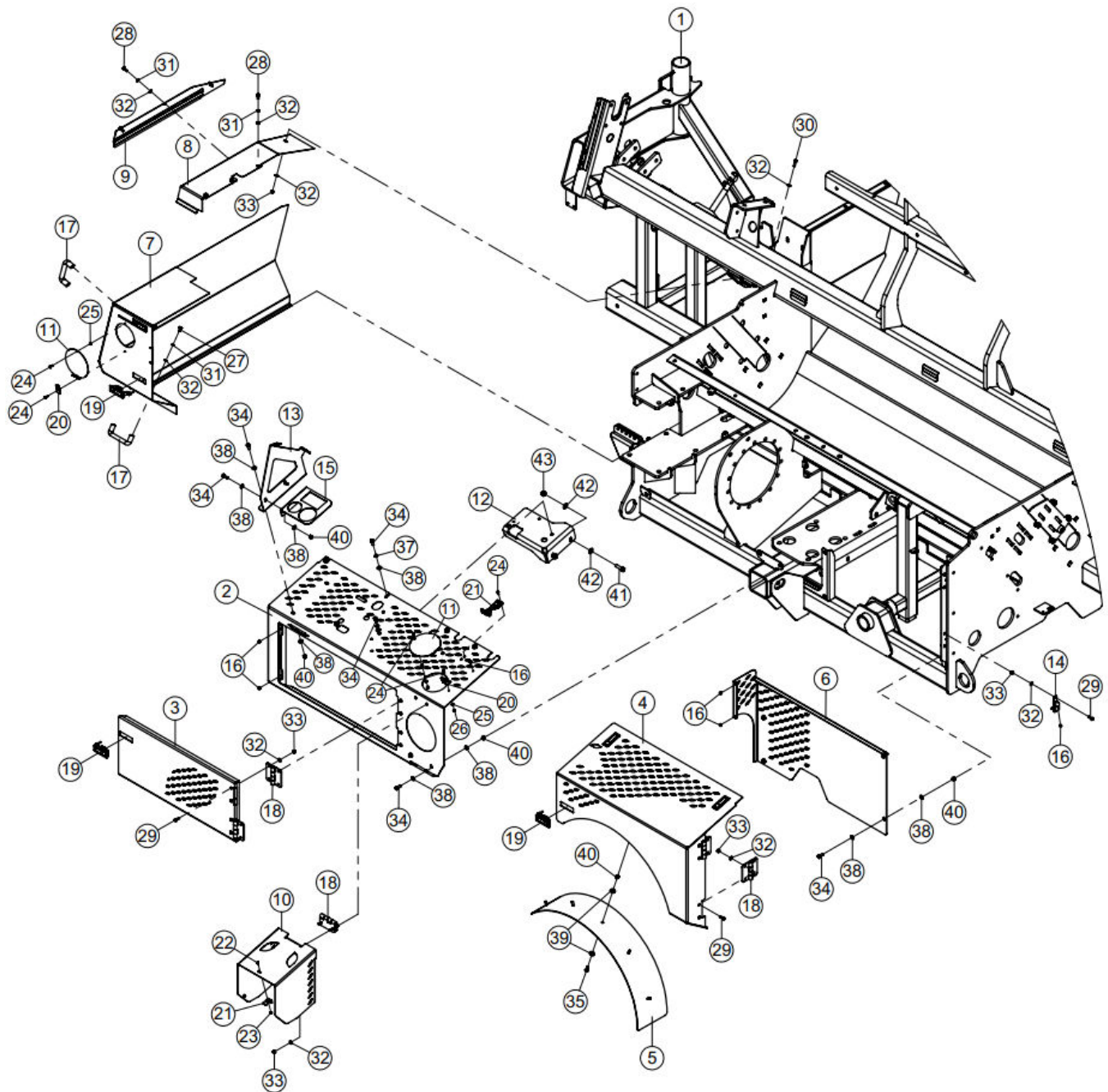
7.1 – Shields



7.1 – Shields

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170 & T7270
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3171179	Shield, Control	1	T7170 & T7270
	AB3171730	Shield, T7060 Control	1	T7060
3	AB3170396	Door, T7170 Front Access	1	T7170 & T7270
	AB3170732	Door, T7060 Front Access	1	T7060
4	AB3170384	Door, T7170 Wheel	1	T7170 & T7270
	AB3170736	Door, T7060 Wheel	1	T7060
5	AB3170385	Liner, Wheel Well	1	T7170 & T7270
	AB3170737	Liner, T7060 Wheel Well	1	T7060
6	AB3170404	Cover, T7170 Inner Wheel	1	T7170 & T7270
	AB3170744	Cover, T7060 Inner Wheel	1	T7060
7	AB3171171	Cover, Lower Drive	1	
8	AB3170551	Cover, Upper Drive	1	
9	AB3170574	Cover, Side Drive	1	
10	AB3170388	Shield, PTO	1	
11	AB3170403	Cover, Gearbox Oil Access	2	
12	AB3171137	Mount, Hand Valve	1	T7170 & T7270
	AB3171738	Bracket, Hand Valve Mount	1	T7060
13	AB3171715	Support, Hopper	1	
14	AB3170921	Stop, Door	1	
15	AB3170413	Holder, Oil Bottle	1	T7170 & T7270
16	RC902772	Bumper, 7/16 x 3/16 Push-In Rubber	10	
17	RC950321	Handle, 5/16-18 Load Rated Pull	2	
18	AB3170340	Hinge, .188" x 4" x 4"	5	
19	RC950076	Latch, Lever	6	
20	RC950607	Latch, Snap-Down Draw	2	

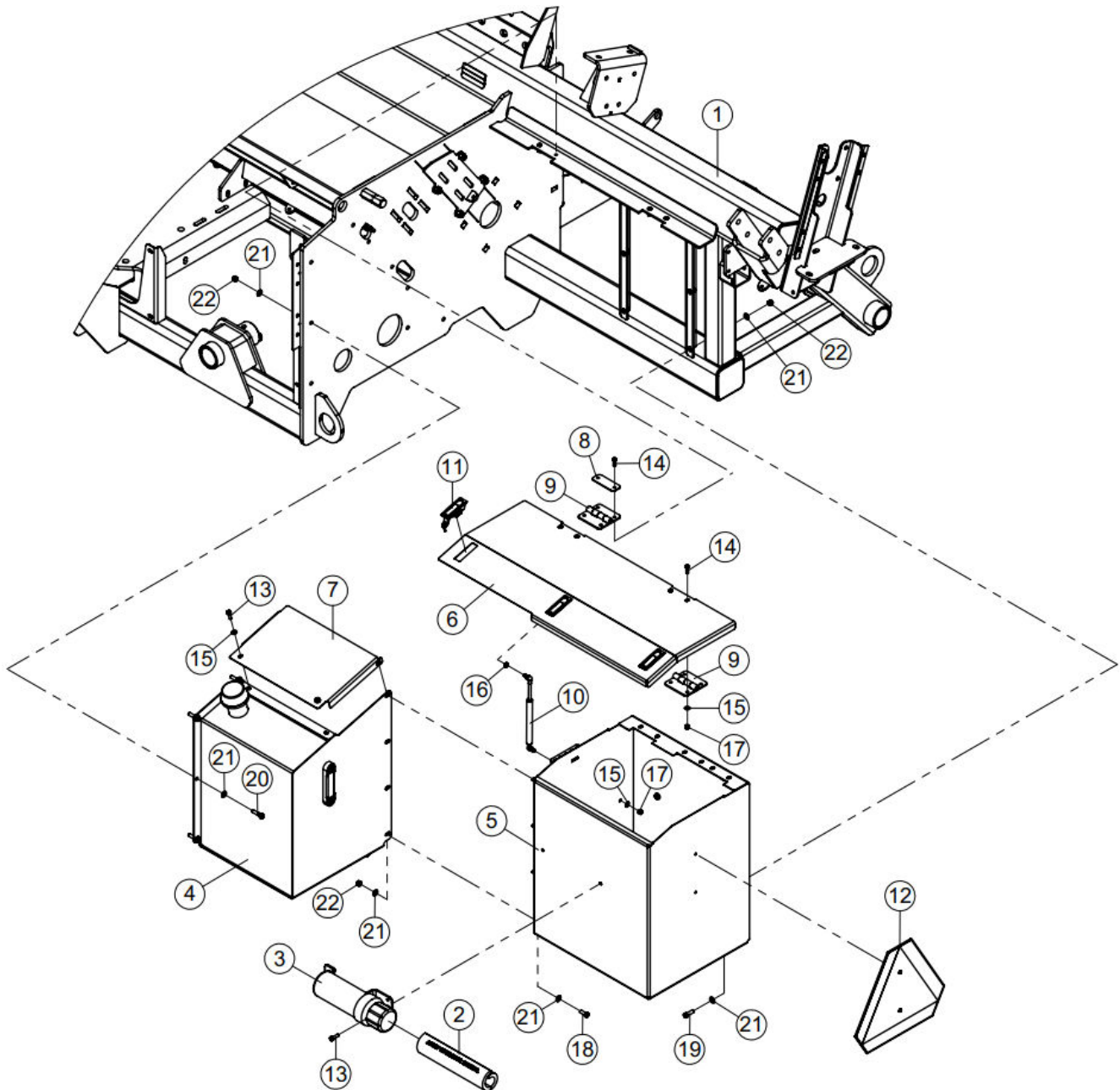
7.1 – Shields - Continued



7.1 – Shields - Continued

Key	Part Number	Description	Qty	Comments
21	RC950592	Latch, Rubber Draw	1	
22	RC900452	Screw, #8-32 x 1/2 CZ Ph Pan Hd	2	
23	RC901817	Nut, #8-32 YZ Nylock	2	
24	RC902738	Screw, #10-24 x 5/8 CZ Ph Pan Hd	6	
25	RC900667	Washer, #10 SAE YZ Flat	8	
26	RC902420	Nut, #10-24 YZ Nylock	6	
27	RC900085	Bolt, 5/16-18 x 5/8 Gr 5 YZ Hex	4	
28	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	6	
29	RC901632	Screw, 5/16-18 x 1 CZ BH Socket	20	
30	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	1	
31	RC900726	Washer, 5/16 YZ Lock	10	
32	RC902162	Washer, 5/16 SAE YZ Hard Flat	32	
33	RC900579	Nut, 5/16-18 YZ Nylock	21	
34	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	17	
35	RC902198	Screw, 3/8-16 x 1 CZ BH Socket	5	
36	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	1	
37	RC900728	Washer, 3/8 YZ Lock	6	
38	RC900677	Washer, 3/8 SAE YZ Hard Flat	30	
39	RC902699	Washer, 3/8 USS YZ Hard Flat	10	
40	RC900583	Nut, 3/8-16 YZ Nylock	17	
41	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	2	
42	RC900691	Washer, 1/2 SAE YZ Hard Flat	4	
43	RC900588	Nut, 1/2-13 YZ Nylock	2	

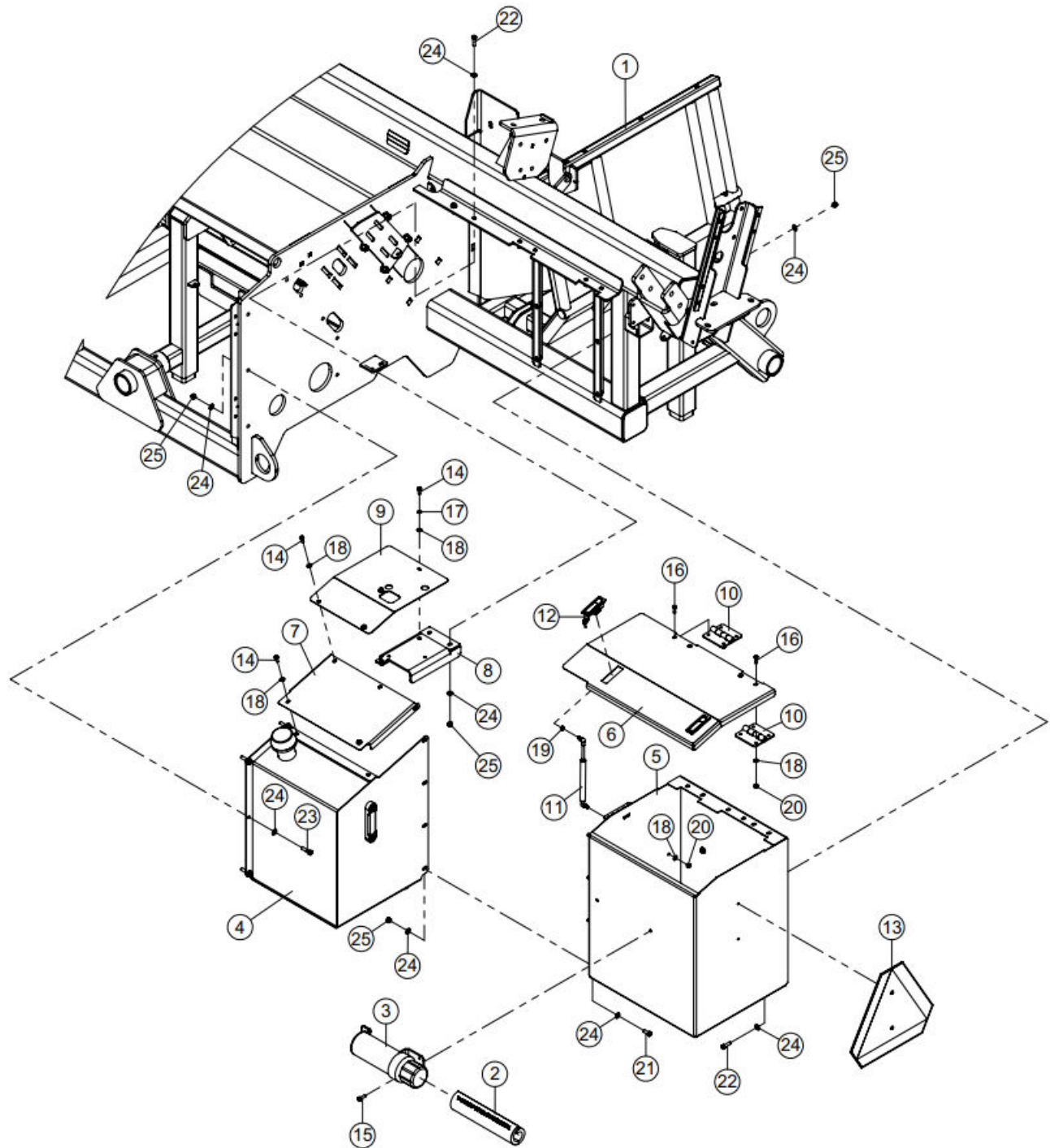
7.2 – T7060 Storage Compartment



7.2 – T7060 Storage Compartment

Key	Part Number	Description	Qty	Comments
1	AB3170700	Frame, T7060 Main	1	
2	AB3170682	Manual, AB317 Operator	1	
3	RC950460	Holder, Manual	1	
4	AB3170199	Assembly, Hydraulic Tank	1	See breakdown on Parts Page 9.2
5	AB3170537	Compartment, Storage	1	
6	AB3170544	Cover, Storage Compartment	1	
7	AB3170539	Filler, Tank	1	
8	AB3170546	Spacer, Hinge	1	
9	AB3170340	Hinge, .188" x 4" x 4"	2	
10	RC950534	Gas Strut, 12.2" Extended Length 60 lb	1	
11	RC950076	Latch, Lever	3	
12	RC902596	Sign, Plastic SMV	1	
13	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	4	
14	RC901632	Screw, 5/16-18 x 1 CZ BH Socket	8	
15	RC902162	Washer, 5/16 SAE YZ Hard Flat	16	
16	RC902085	Nut, 5/16-18 YZ Nylock Jam	1	
17	RC900579	Nut, 5/16-18 YZ Nylock	13	
18	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
19	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	6	
20	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	8	
21	RC900677	Washer, 3/8 SAE YZ Hard Flat	36	
22	RC900583	Nut, 3/8-16 YZ Nylock	18	

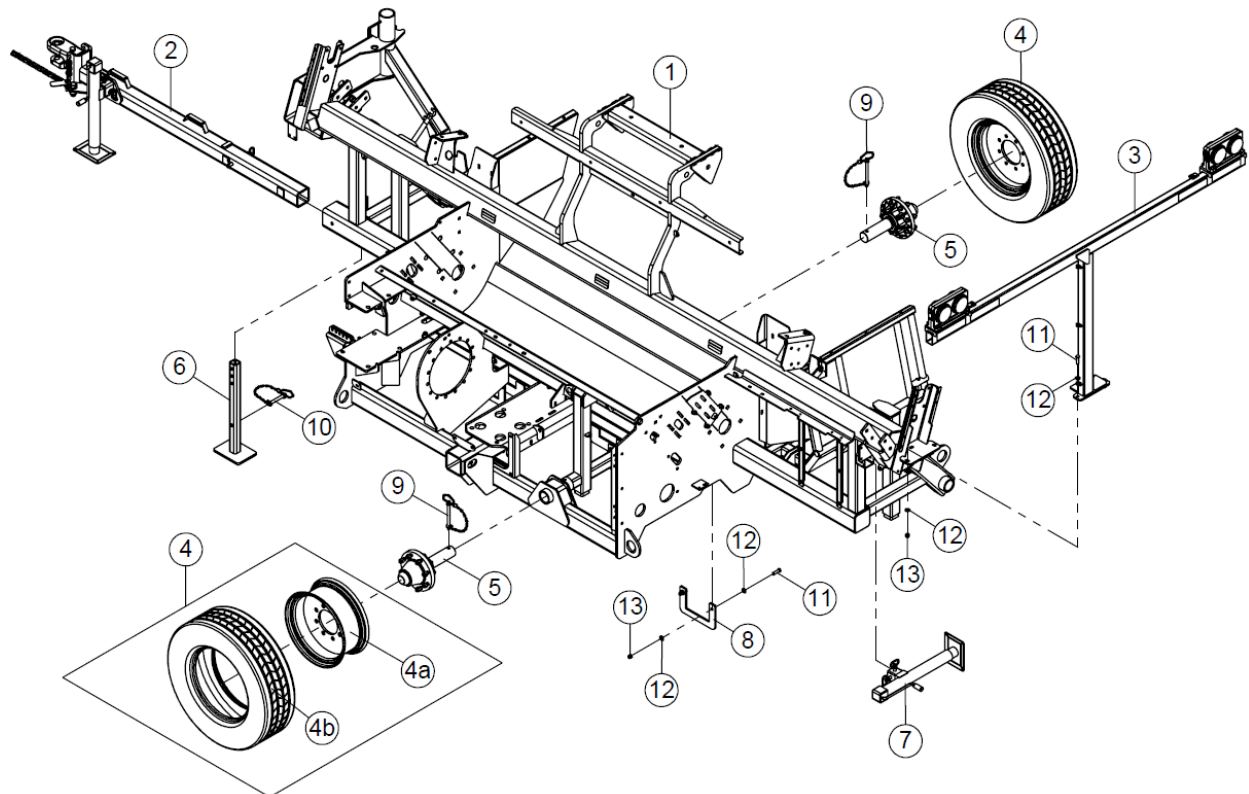
7.3 - T7170 & T7270 Storage Compartment



7.3 - T7170 & T7270 Storage Compartment

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	
2	AB3171234	Manual, T-Series Operator	1	
3	RC950460	Holder, Manual	1	
4	AB3170199	Assembly, Hydraulic Tank	1	See breakdown on Parts Page 9.2
5	AB3170537	Compartment, Storage	1	
6	AB3171183	Cover, Storage Compartment	1	
7	AB3171143	Panel, Tank Filler	1	
8	AB3171141	Bracket, Valve	1	
9	AB3171145	Cover, Valve Bracket	1	
10	AB3170340	Hinge, .188" x 4" x 4"	2	
11	RC950534	Gas Strut, 12.2" Extended Length 60 lb	1	
12	RC950076	Latch, Lever	2	
13	RC902596	Sign, Plastic SMV	1	
14	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	6	
15	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	2	
16	RC901632	Screw, 5/16-18 x 1 CZ BH Socket	8	
17	RC900726	Washer, 5/16 YZ Lock	2	
18	RC902162	Washer, 5/16 SAE YZ Hard Flat	22	
19	RC902085	Nut, 5/16-18 YZ Nylock Jam	1	
20	RC900579	Nut, 5/16-18 YZ Nylock	15	
21	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
22	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	8	
23	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	8	
24	RC900677	Washer, 3/8 SAE YZ Hard Flat	40	
25	RC900583	Nut, 3/8-16 YZ Nylock	20	

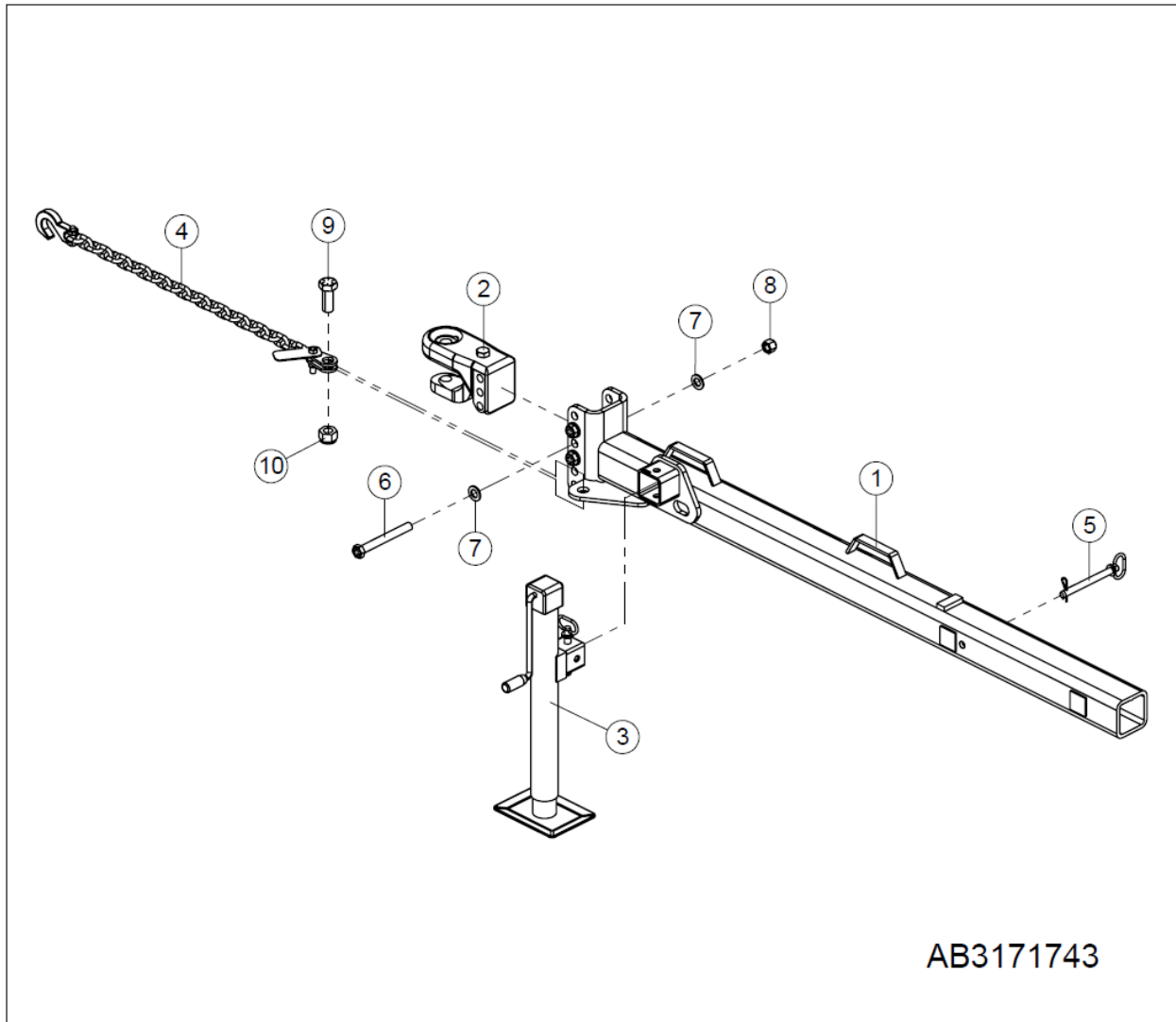
8.1 – Transport



8.1 – Transport

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	
2	AB3171743	Assembly, Adjustable Hitch	1	See breakdown on Parts Page 8.2
3	AB3170498	Assembly, Light Bar	1	See breakdown on Parts Page 8.3
4	AB3170587	Assembly, Wheel & Tire	2	
4a	AB3170683	Wheel	1	
4b	RC950620	Tire	1	
5	RC950669	Assembly, 8 on 8 Spindle	2	See breakdown on Parts Page 10.8
6	AB3170623	Stand, Jack	1	
7	AA1501398	Jack, Manual 8000# 2.5 Sq Mnt	1	
8	AB3170633	Loop, Fork	4	For shipping use only
9	RC902788	Pin, 1/2 x 5-3/4 YZ Hitch	2	
10	RC902455	Pin, 5/8 x 4 YZ Hitch	1	
11	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	11	
12	RC900691	Washer, 1/2 SAE YZ Hard Flat	22	
13	RC900588	Nut, 1/2-13 YZ Nylock	11	

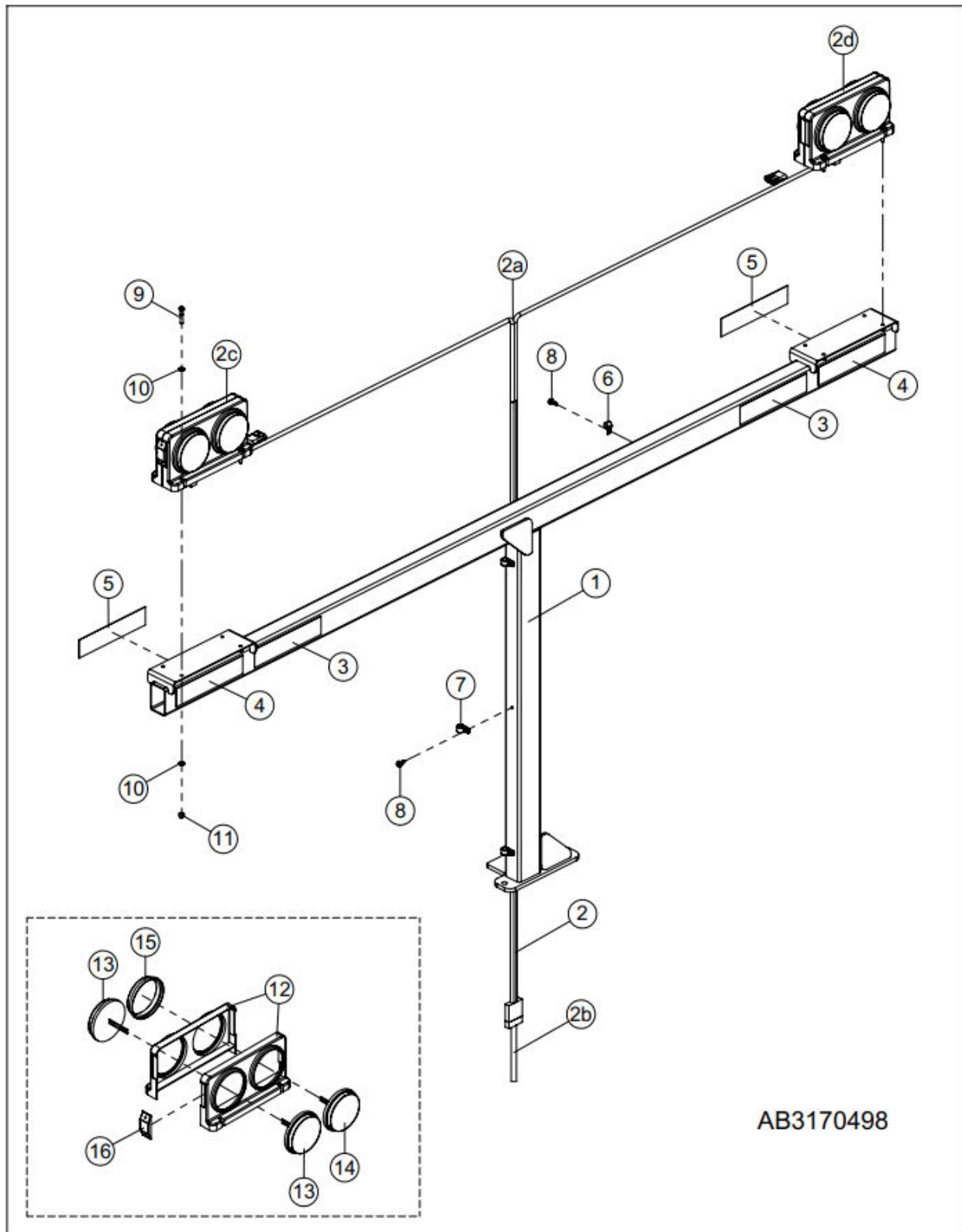
8.2 – Hitch



8.2 – Hitch

Key	Part Number	Description	Qty	Comments
1	AB3171742	Hitch, Adjustable	1	
2	RC950722	Hitch, 3 Hole Category 3 Drawbar w/ Clevis	1	
3	AA1501398	Jack, Manual 8000# 2.5 Sq Mnt	1	
4	RC950617	Chain, 3/8 Grade 70 x 31" Safety	1	
5	RC900909	Pin, 5/8 x 5-3/4 YZ Hitch	1	
6	RC900322	Bolt, 3/4-10 x 6-1/2 Gr 8 YZ Hex	3	
7	RC902416	Washer, 3/4 SAE YZ Hard Flat	6	
8	RC900597	Nut, 3/4-10 YZ Nylock	3	
9	RC901599	Bolt, 1-8 x 2-1/2 Gr 8 YZ Hex	1	
10	RC900601	Nut, 1-8 YZ Nylock	1	

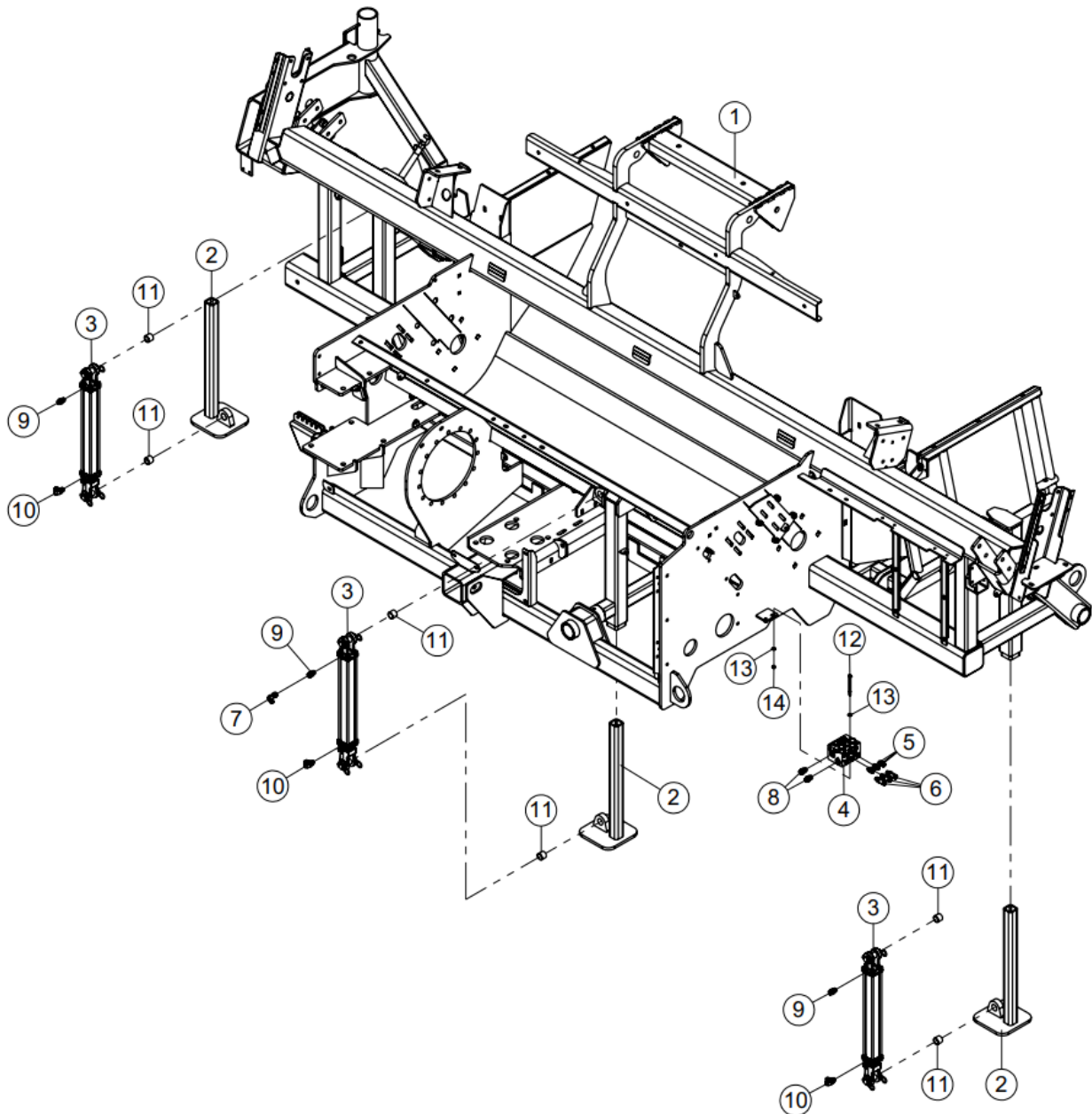
8.3 – Light Bar



8.3 – Light Bar

Key	Part Number	Description	Qty	Comments
1	AB3170494	Bar, Light	1	
2	AB3170926	Kit, Lights w/Harness	1	
2a	AB3170925	Harness, Light	1	
2b	AA0900460	Harness, Light 6000 Series	1	
2c	RC750591	Indicator, Left Stop Turn Tail LED Warning	1	
2d	RC750592	Indicator, Right Stop Turn Tail LED Warning	1	
3	RC901941	Decal, Fluorescent Orange 2 x 9 Marker	2	
4	RC901940	Reflector, Red 2 x 9	2	
5	RC901939	Reflector, Yellow 2 x 9	2	
6	RC902782	P-Clamp, 3/8 Cushion	8	
7	RC902783	P-Clamp, 1/2 Cushion	3	
8	RC901773	Screw, 1/4-14 x 3/4 CZ Self Drilling	11	
9	RC900045	Bolt, 1/4-20 x 1-1/2 Gr5 YZ Hex	8	
10	RC902696	Washer, 1/4 SAE YZ Hard Flat	16	
11	RC900575	Nut, 1/4-20 YZ Nylock	8	
12	RC750596	Frame, Double Light Half	2	
13	RC750593	Light, Round Amber LED	2	
14	RC750594	Light, Round Red LED	1	
15	RC750595	Blank, Lens Filler	1	
16	RC750597	Light, Amber Clearance	1	

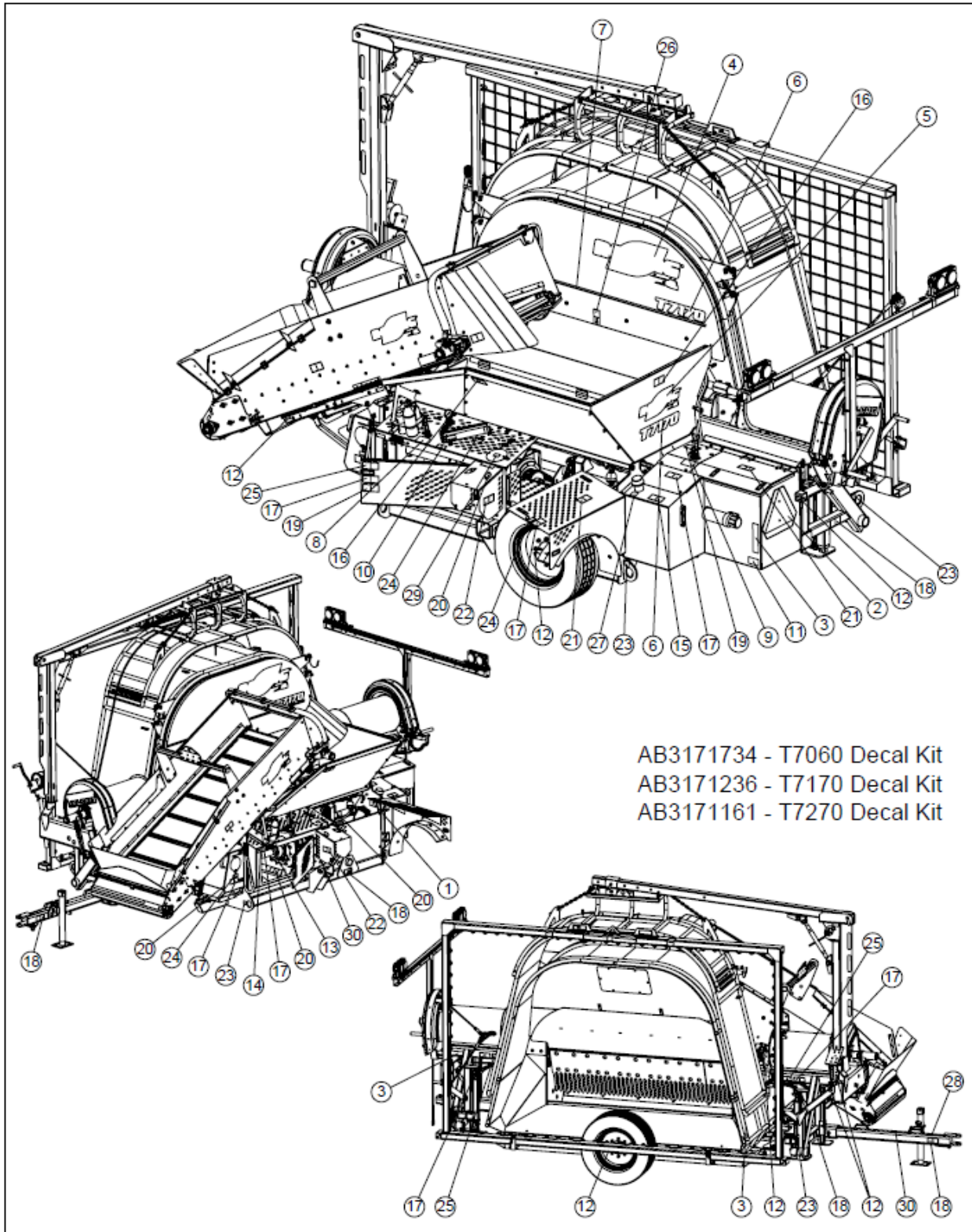
8.4 – Hydraulic Machine Lift



8.4 – Hydraulic Machine Lift

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	
2	AB3171134	Tube, Lower Lift	3	
3	RC950672	Cylinder, 2" x 16" Tie Rod	3	
4	RC950671	Assembly, 3-Way Flow Divider	1	See breakdown on Parts Page 10.9
5	RC700077	Adapter, -06 MORFS -06 MORB Straight	3	
6	RC700107	Adapter, -06 MORFS x -06 MORB Straight Long	3	
7	RC700181	Elbow, -06 MORFS -06 FORFS Swivel 90°	1	
8	RC700078	Adapter, -06 MORFS -08 MORB Straight	2	
9	RC703170	Adapter, -06 MORFS -08 MORB x .062" Orifice	3	
10	RC700119	Elbow, -06 MORFS -08 MORB 90°	3	
11	RC950618	Bearing, 1" ID x 1" High Load Bronze Sleeve	6	
12	RC900076	Bolt, 5/16-18 x 4 Gr 5 YZ Hex	2	
13	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
14	RC900579	Nut, 5/16-18 YZ Nylock	2	

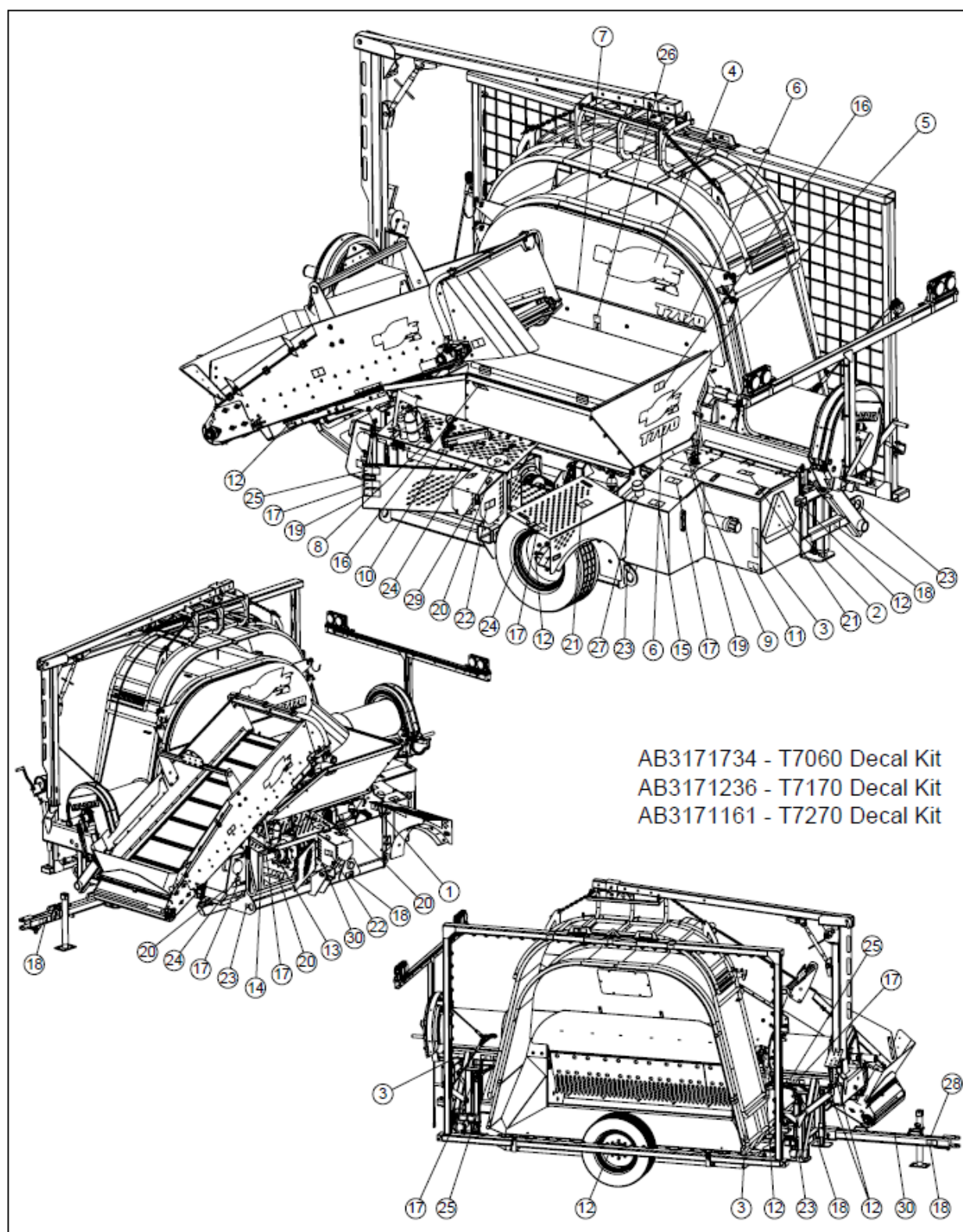
8.5 – Decals



8.5 – Decals

Key	Part Number	Description	Qty	Comments
1	AB3170684	Tag, AB317 Serial Number	1	Not included in kits
2	RC902596	Sign, Plastic SMV	1	Not included in kits
3	RC901939	Reflector, Yellow 2 x 9	3	Not included in kits
4	AA0701571	Decal, 12" x 32" AgBag by RCI Logo	1	
5	AA0901563	Decal, 7" x 19" AgBag by RCI Logo	1	
6	AB3170697	Decal, 3.5" x 18.5" T7170	2	T7170
	AB3171164	Decal, T7270 Model Number	2	T7270
	AB3170791	Decal, 3.5" x 18.5" T7060	2	T7060
7	AB3170698	Decal, 84.5" Double Line	1	T7170 & T7270
	AB3170790	Decal, 72.5" Double Line	1	T7060
8	AB3170792	Decal, T7060 Hydraulic Controls	1	
9	AB3171162	Decal, Cleanout Door and Machine Lift Controls	1	T7170 & T7270
10	AB3171739	Decal, Ag-Bag Manuals QR Code	1	
11	RC901937	Decal, American Flag	1	
12	RC901933	Decal, Grease	14	
13	AB3171163	Decal, Horizontal Grease Bank	1	
14	RC902796	Decal, Grease Every 2 Hours	1	
15	RC902822	Decal, Hot Surface Warning	1	
16	RC902036	Decal, ISO Auger Entanglement	2	
17	RC901932	Decal, ISO Entanglement Hazard	7	

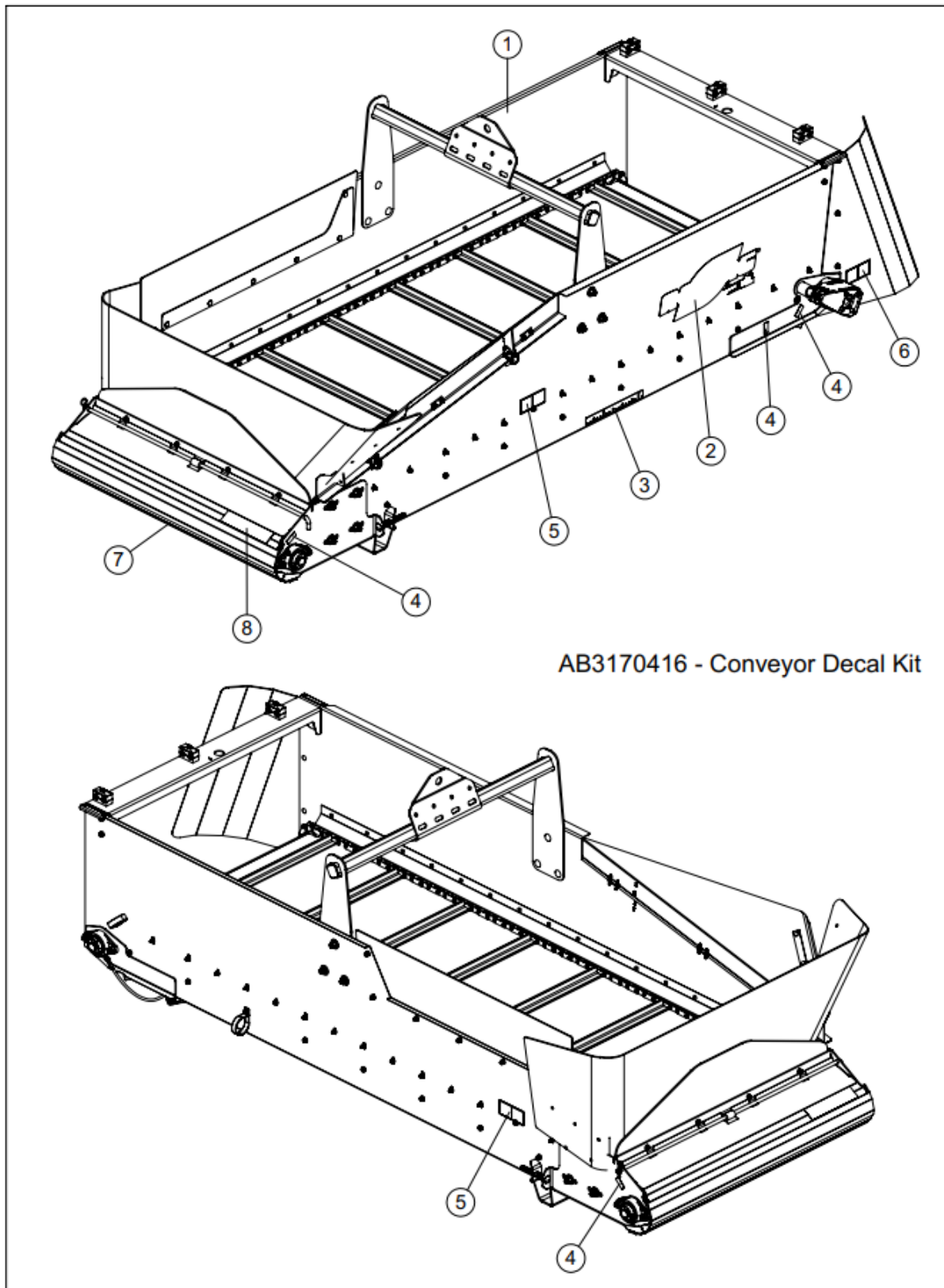
8.5 – Decals - Continued



8.5 – Decals – Continued

Key	Part Number	Description	Qty	Comments
18	RC902793	Decal, ISO Foot Crush Hazard	5	
19	RC901935	Decal, ISO High Pressure Fluid Hazard	2	T7060 - Qty 1
20	RC901926	Decal, ISO Keep Safe Distance	5	
21	RC902794	Decal, ISO No Step Hazard	2	
22	RC902791	Decal, ISO PTO Entanglement	2	
23	RC901930	Decal, ISO Tiedown	4	
24	RC902797	Decal, Oil Every 2 Hours	3	
25	RC901934	Decal, Read OPM	3	
26	RC902823	Decal, Read OPM Arrow White	1	
27	RC901959	Decal, Universal Trans Oil	1	
28	RC902821	Decal, 25 MPH Speed Limit	1	
29	RC902798	Decal, 75W-90 Synthetic Oil	1	T7060 & T7170
	RC902842	Decal, Mobil SHC™ Gear 220 Oil	1	T7270
30	RC902795	Decal, 540 PTO Warning	2	T7060 & T7170
	RC902843	Decal, 1000 PTO Warning	2	T7270

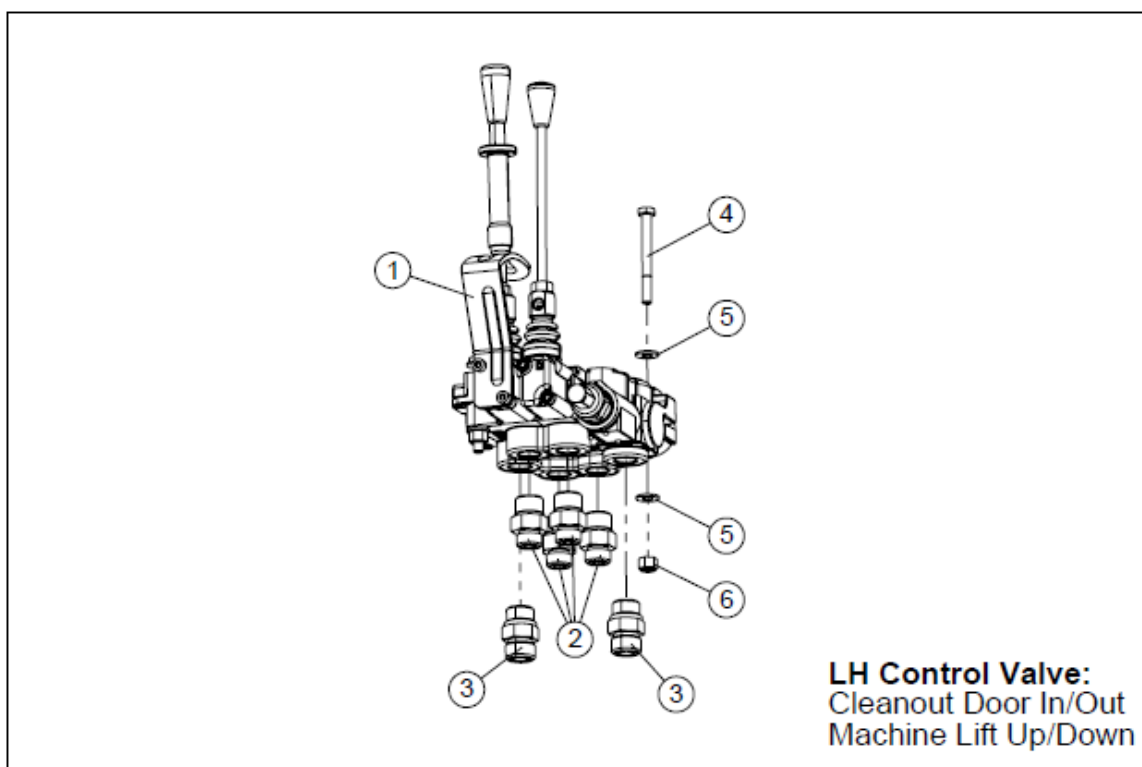
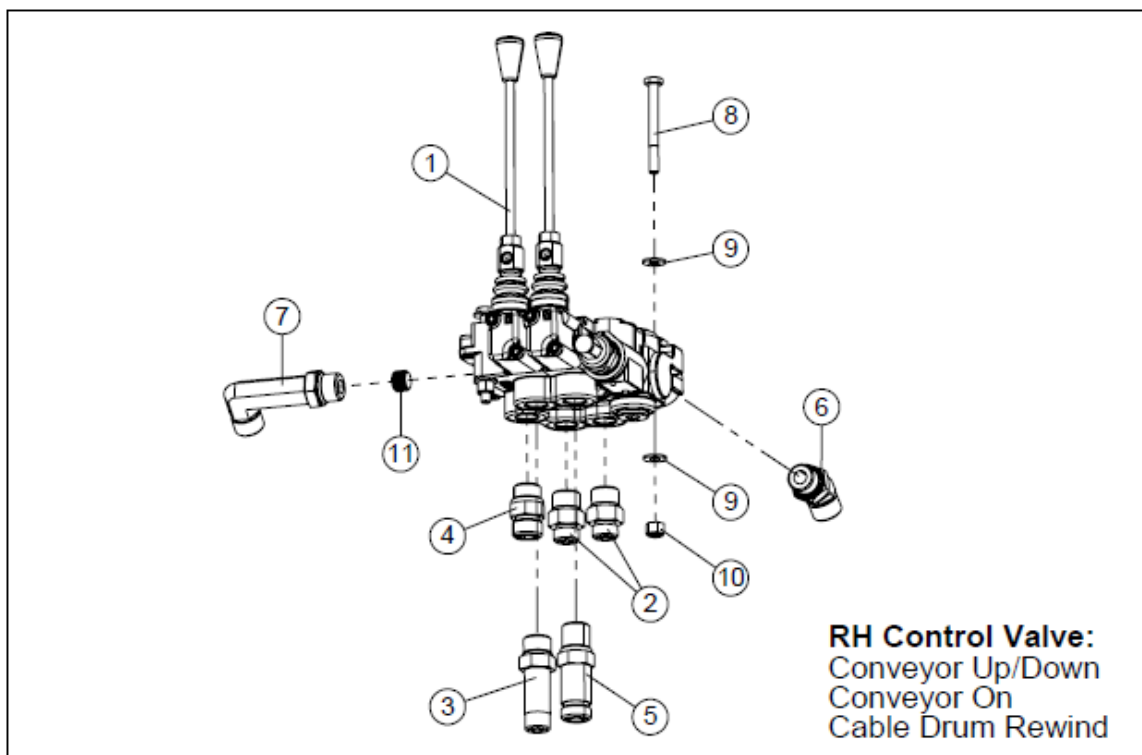
8.6 – Conveyor Decals



8.6 – Conveyor Decals

Key	Part Number	Description	Qty	Comments
1	AB3170102	Assembly, Wide Single Chain Conveyor	1	
2	AA0901563	Decal, 7" x 19" AgBag by RCI Logo	1	
3	AB3170970	Decal, Conveyor Position	1	
4	RC901933	Decal, Grease	4	
5	RC902792	Decal, ISO Conveyor Entanglement	2	
6	RC901932	Decal, ISO Entanglement Hazard	1	
7	RC901926	Decal, ISO Keep Safe Distance	1	Inside of cleanout door
8	RC901939	Reflector, Yellow 2 x 9	1	Not included in kit

9.1 – Control Valves



9.1 – Control Valves

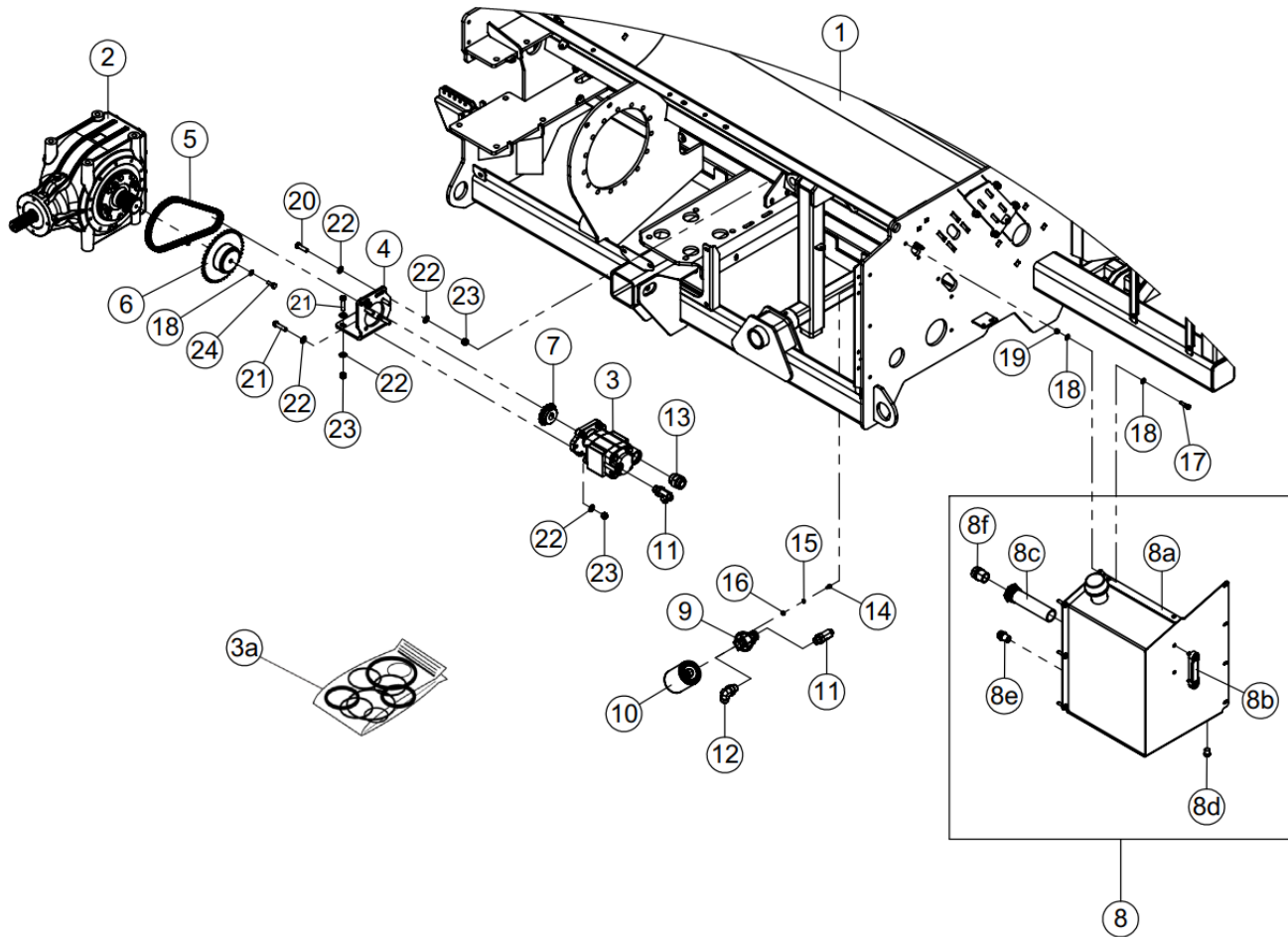
RH Control Valve

Key	Part Number	Description	Qty	Comments
1	AB3170918	Valve, 2-Bank Hand Control	1	See breakdown on Parts Page 10.5
2	RC700078	Adapter, -06 MORFS -08 MORB Straight	2	
3	RC700108	Adapter, -06 MORFS x -08 MORB Straight Long	1	T7170 & T7270
	RC700119	Elbow, -06 MORFS -08 MORB 90°	1	T7060
4	RC700083	Adapter, -08 MORFS x -08 MORB Straight	1	T7170 & T7270
5	RC700109	Adapter, -08 MORFS x -08 MORB Straight Long	1	
6	RC700884	Elbow, -08 MORFS -08 MORB 45°	1	
7	RC700309	Elbow, -08 MORFS -08 MORB Long 90°	1	T7170 & T7270
	RC700149	Tee, -08 MORFS -08 MORB Run	1	T7060
8	RC900049	Bolt, 1/4-20 x 2-1/2 Gr 5 YZ Hex	2	
9	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
10	RC900575	Nut, 1/4-20 YZ Nylock	2	
11	RC950728	Plug, Power Beyond	1	T7170 & T7270

LH Control Valve

Key	Part Number	Description	Qty	Comments
1	AB3171168	Valve, 2-Bank Hand Control	1	See breakdown on Parts Page 10.5
2	RC700078	Adapter, -06 MORFS -08 MORB Straight	4	
3	RC700083	Adapter, -08 MORFS -08 MORB Straight	2	
4	RC900049	Bolt, 1/4-20 x 2-1/2 Gr 5 YZ Hex	2	
5	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
6	RC900575	Nut, 1/4-20 YZ Nylock	2	

9.2 – T7060 & T7170 Pump Drive & Hydraulic Tank

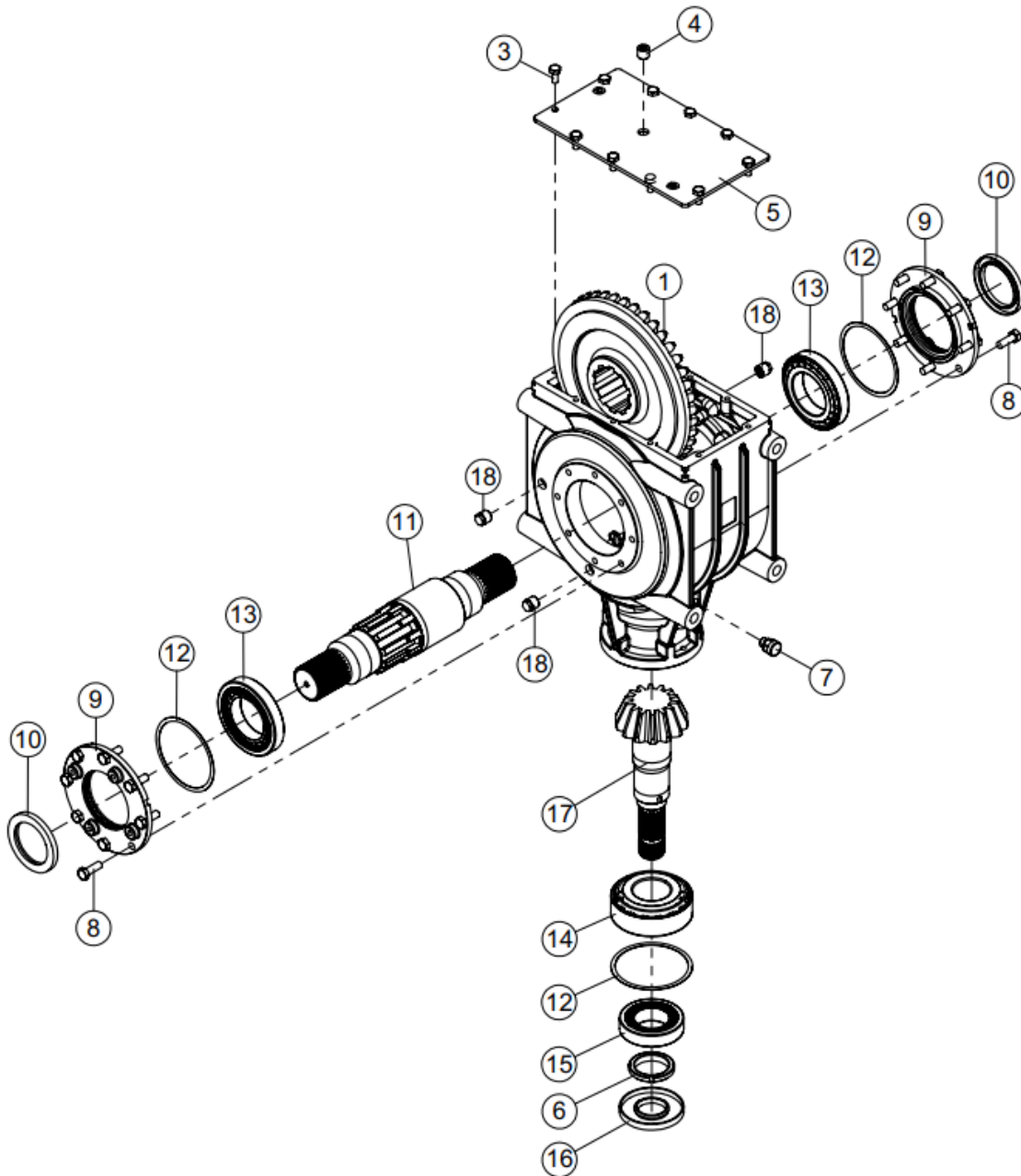


*Previous T7170 machines used the same #50 pump drive chain and sprockets as the T7060. Previous units can be upgraded to the size #60 chain by replacing both sprockets and chain. Verify actual chain size in use on any early s/n machines (prior to s/n 0401054).

9.2 – T7170 Pump Drive & Hydraulic Tank

Key	Part Number	Description	Qty	Comments
1	AB3171153	Frame, Main	1	T7170
	AB3170700	Frame, T7060 Main	1	T7060
2	AB3170150	Gearbox, Double Output	1	See breakdown on Parts Page 10.1
3	RC950610	Pump, 2100 Series Gear	1	
3a	RC950665	Kit, Seal	1	
4	AB3170509	Mount, Pump	1	
5	RC950716	Chain, #60HR x 52 Pitches + Connecting Link	1	T7170 *
	AB3170510	Chain, Pump Drive	1	T7060
6	AB3171735	Sprocket, T7170 Pump Drive	1	T7170 *
	AB3170513	Sprocket, Pump Drive	1	T7060
7	RC950715	Sprocket, #60 x 10 Teeth x 1 Bore Hub	1	T7170 *
	RC950657	Sprocket, #50 x 16 Teeth x 1 Bore Hub	1	T7060
8	AB3170199	Assembly, Hydraulic Tank	1	
8a	AB3170198	Tank, Hydraulic	1	
8b	RC700603	Gauge, Level and Temp	1	
8c	RC700605	Strainer	1	
8d	RC701310	Plug, -08 External Hex Pipe	1	
8e	RC700988	Adapter, -12 MORFS -12 MPT Straight	1	
8f	RC700995	Adapter, -20 MORFS -20 MPT Straight	1	
9	AA1541757	Base, Filter O-Ring	1	
10	AA1540167	Filter, Hydraulic P551553	1	
11	RC700154	Tee, -08 MORFS -12 MORB -08 MORFS Run	2	
12	RC700133	Elbow, -12 MORFS -12 MORB 90°	1	
13	RC700101	Adapter, -20 MORFS -20 MORB Straight	1	
14	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	2	
15	RC900724	Washer, 1/4 YZ Lock	2	
16	RC902696	Washer, 1/4 SAE YZ Hard Flat	2	
17	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	8	
18	RC900677	Washer, 3/8 SAE YZ Hard Flat	17	
19	RC900583	Nut, 3/8-16 YZ Nylock	8	
20	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	2	
21	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	6	
22	RC900691	Washer, 1/2 SAE YZ Hard Flat	16	
23	RC900588	Nut, 1/2-13 YZ Nylock	8	
24	RC901188	Bolt, M10-1.5 x 30mm Gr 10.9 YZ Hex	1	
25	AB3170927	Oil, Hygard - 22 gal.	1	Hydraulic System Oil
26	AB3170930	Oil, 75w90 Synthetic - 2.5 gal.	1	Oil for Gearbox

10.1 – Double Output Gearbox

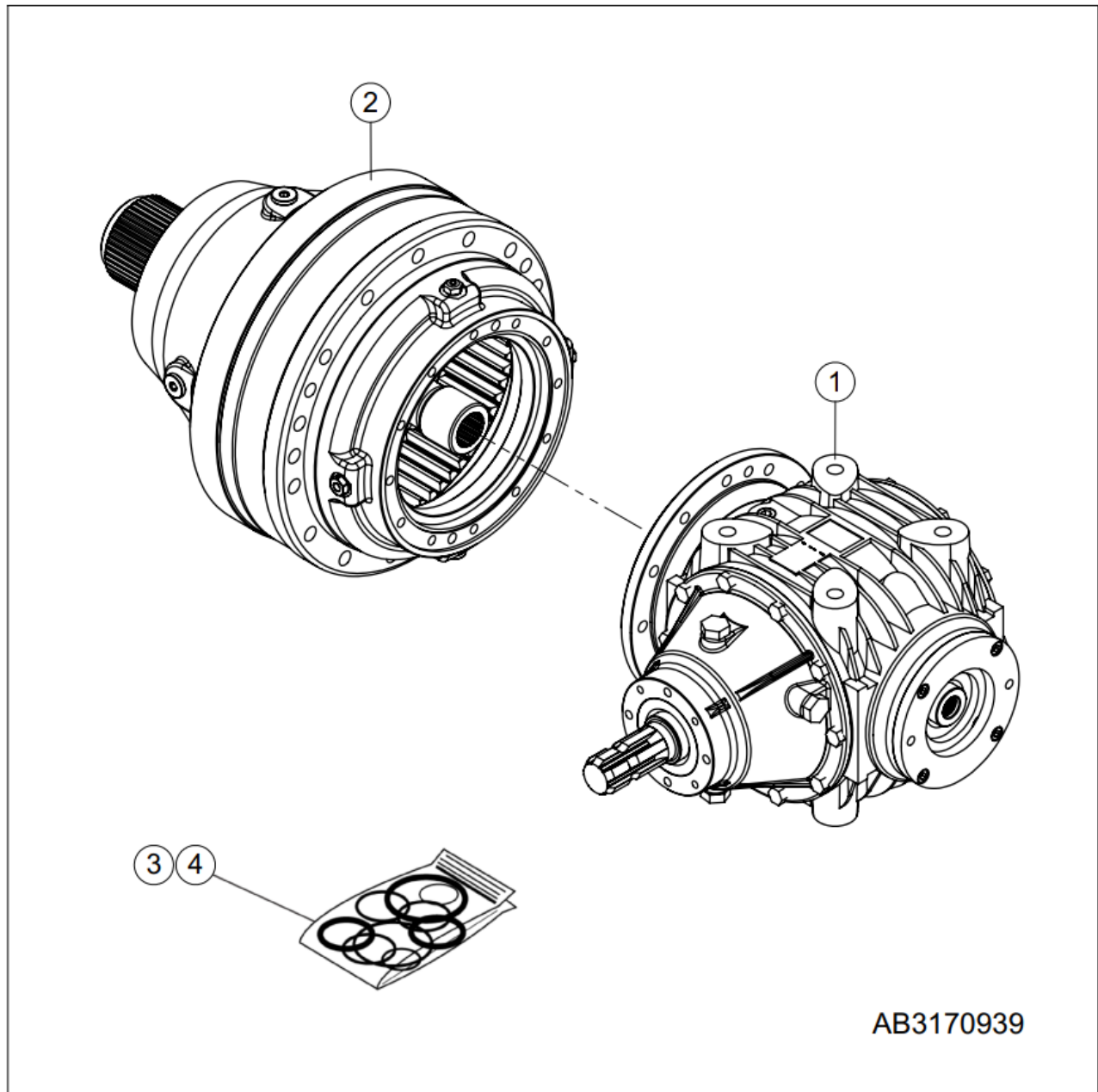


AB3170150

10.1 – Double Output Gearbox

Key	Part Number	Description	Qty	Comments
1	AA0901714	Wheel, Crown	1	
2	AA0901715	Casing, Gearbox	1	
3	AA0901716	Bolt, M10x22	10	
4	AA0901717	Plug, 1/2" Gas	3	
5	AA0901718	Cover, Gearbox	1	
6	AA0901720	Nut, M60x2	1	
7	AA0901721	Plug, Oil Filler 1/2 Gas	1	
8	AA0901722	Bolt, M12 x 35	16	
9	AA0901723	Cover	2	
10	AA0901724	Seal, Double Lip	2	
11	AB3170148	Shaft, 65x60 Dual Output	1	
12	AA0901726	Shim, Gearbox	3	
13	AB3170147	Bearing, Tapered Roller	2	
14	AA0901728	Bearing, 32313	1	
15	AA0901729	Bearing, 32212	1	
16	AA0901730	Seal, Double Lip	1	
17	AA0901731	Pinion Shaft, Gearbox	1	
18	AA1610526	Plug, 1/2" Gas	3	
19	AB3170930	Oil, 75w90 Synthetic – 2.5 gal.	1	Oil for Gearbox

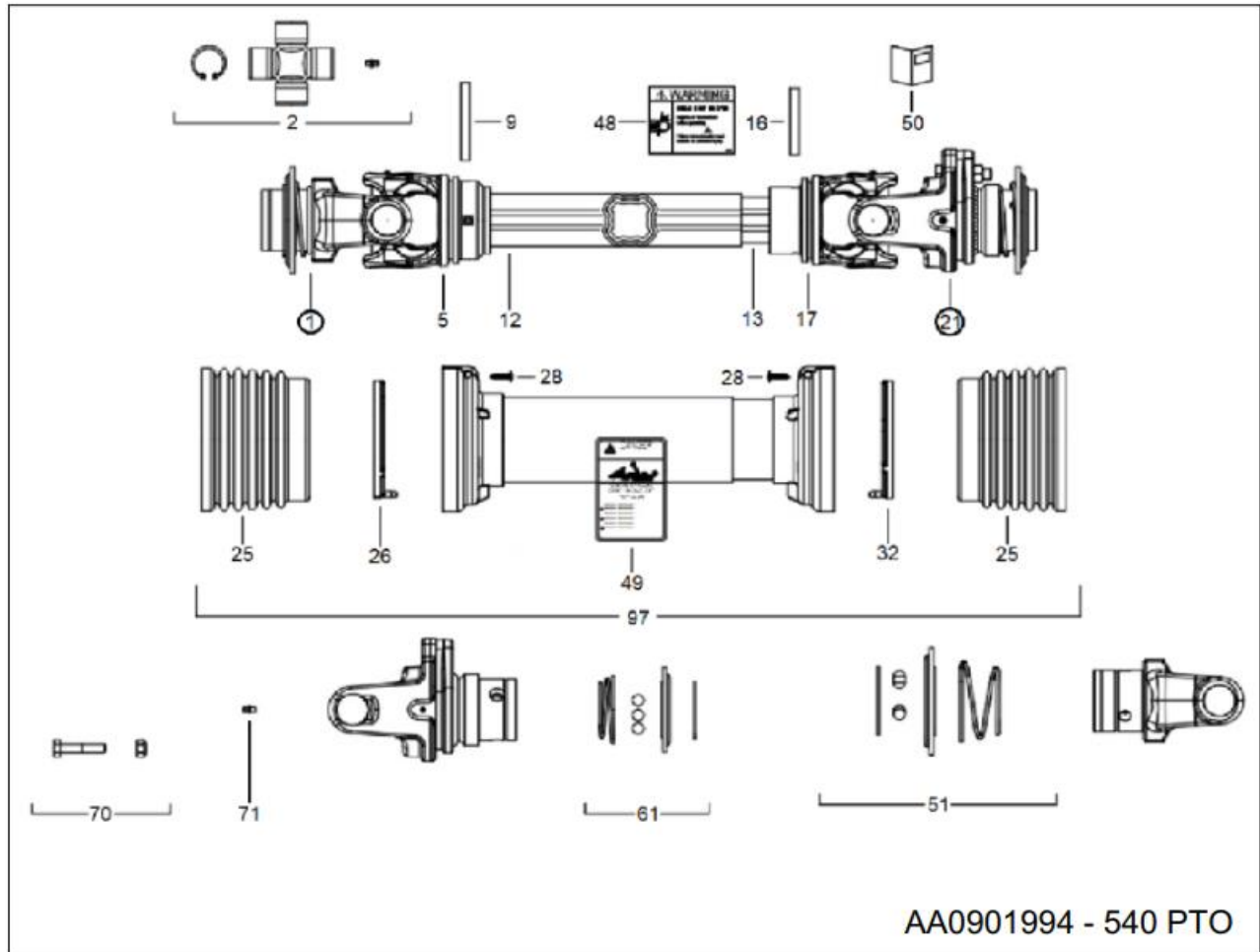
10.2 – Planetary Gearbox



10.2 – Planetary Gearbox

Key	Part Number	Description	Qty	Comments
1	AB3171239	Gearbox, T152 Bevel	1	
2	AB3171240	Planetary, PD 117	1	
3	AB3171241	Kit, Input Seal and Bearing	1	
4	AB3171242	Kit, Output Seal and Bearing	1	
5	AB3171214	Oil, Mobil SHC Gear 220 - 3.9 gal.	1	Oil for Gearbox

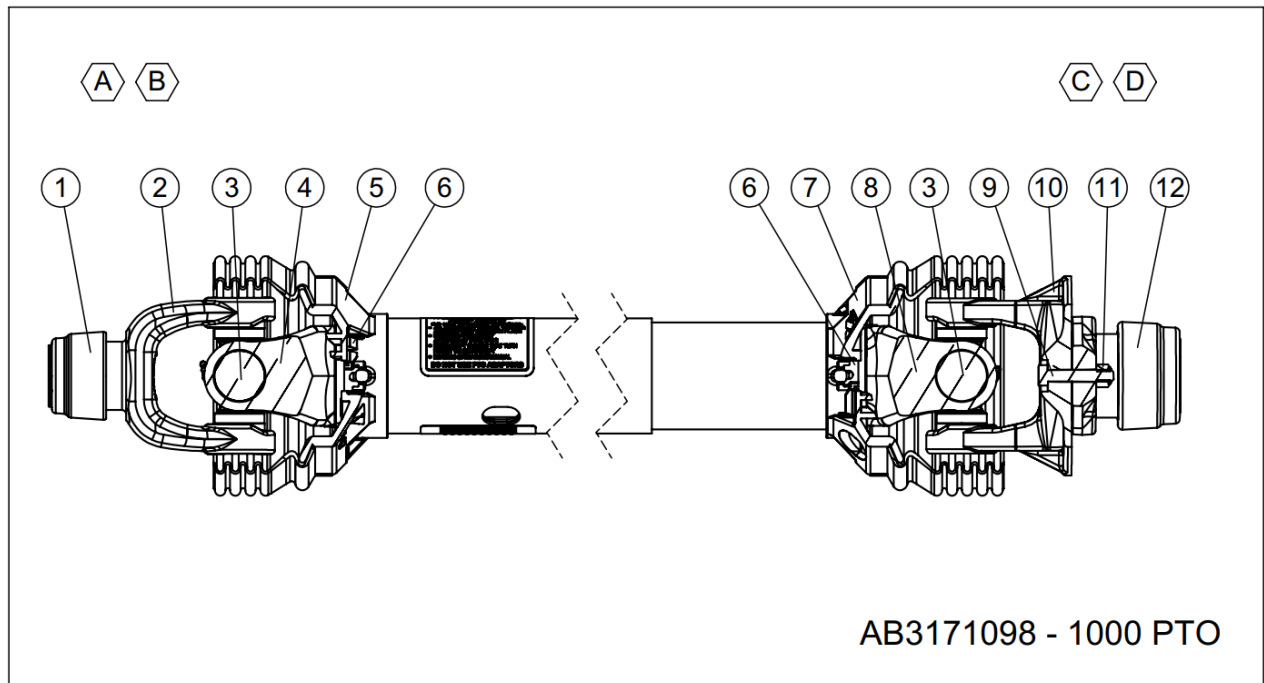
10.3 – 540 PTO



10.3 – 540 PTO

Key	Part Number	Description	Qty	Comments
1	AA0902006	Yoke, #7-S8-G8 RT Ball 1-3/8" Z6	1	
2	AA87012142	Kit, S8-H8-G8 34.9X93.5 Cross	2	
5	AA84524411	Yoke, H8 Outer 4 Lobe 12211 (66.0)	1	
8	AA47821975	Pin, Flexible Roll 10 X 85 DIN1481	1	
12	AA0902007	Tube, Outer Drive	1	
13	AA0902008	Tube, Inner Drive	1	
16	AA1501853	Pin, Roll M10 X 75 Din1481	1	
17	AA84524414	Yoke, H8 Inner 4 Lobe	1	
21	AA0902009	Yoke, #8 1-3/4 20	1	
25	AA0901999	Shield, Cone Bell S8 Type S	2	
26	AA87517831	Support, Shield S6-S7-S8 Outer	1	
28	AA86625168	Screw, 4.8x22 Zinc Self-Tap	6	
32	AA86979196	Support, Shield S6-S7-S8 Inner	1	
48	AA1620179	Decal, Shield Is Off	1	
49	AA1620177	Decal, Rotating Drive Line	1	
50	AA47965477	Instructions, Booklet N.America SFT	1	
51	AA87012167	Kit, RT Ball Collar S8/S9 1 3/8	1	
61	AA0000692	Kit, RT Ball Collar S5/S9 1 3/4	1	
70	AA0902005	Bolt/Nut, M12X55 CL 8.8 PKG-5	1	Spares located under storage compartment cover
71	AA700707187	Grease Fitting, M6x1 Straight	1	
97	AA0902011	Kit, Complete Shield	1	

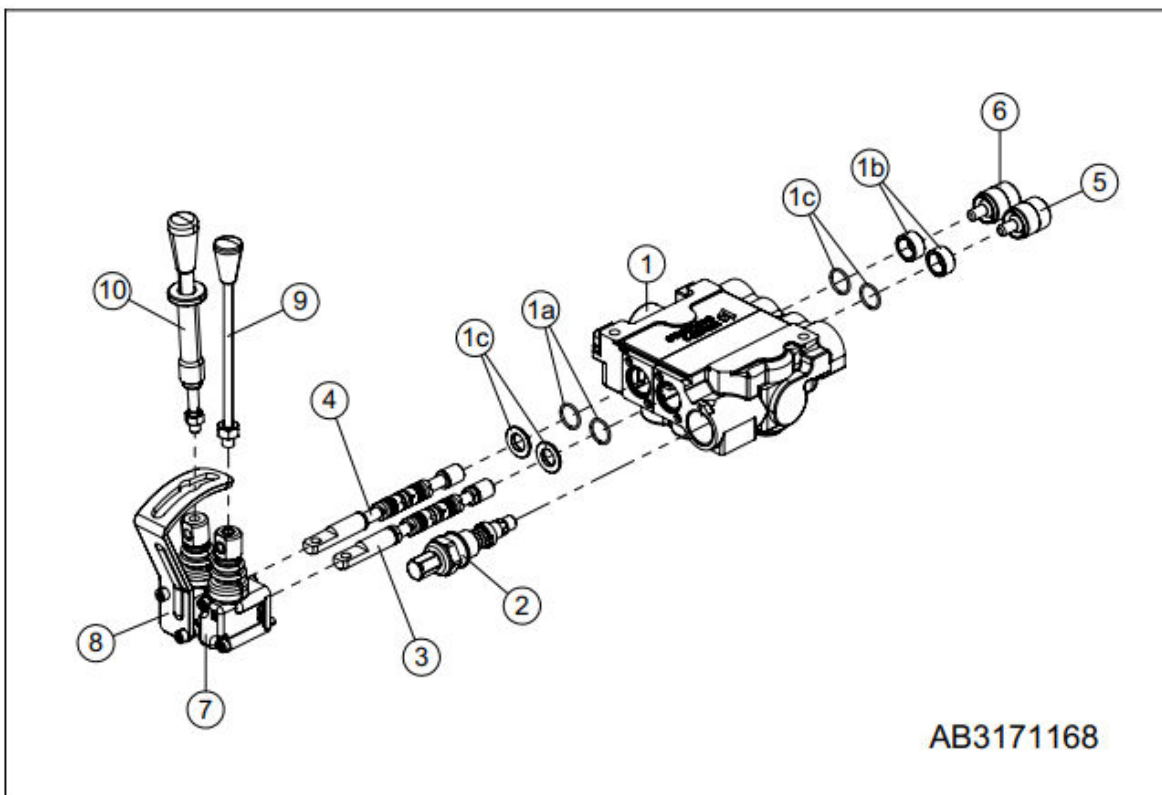
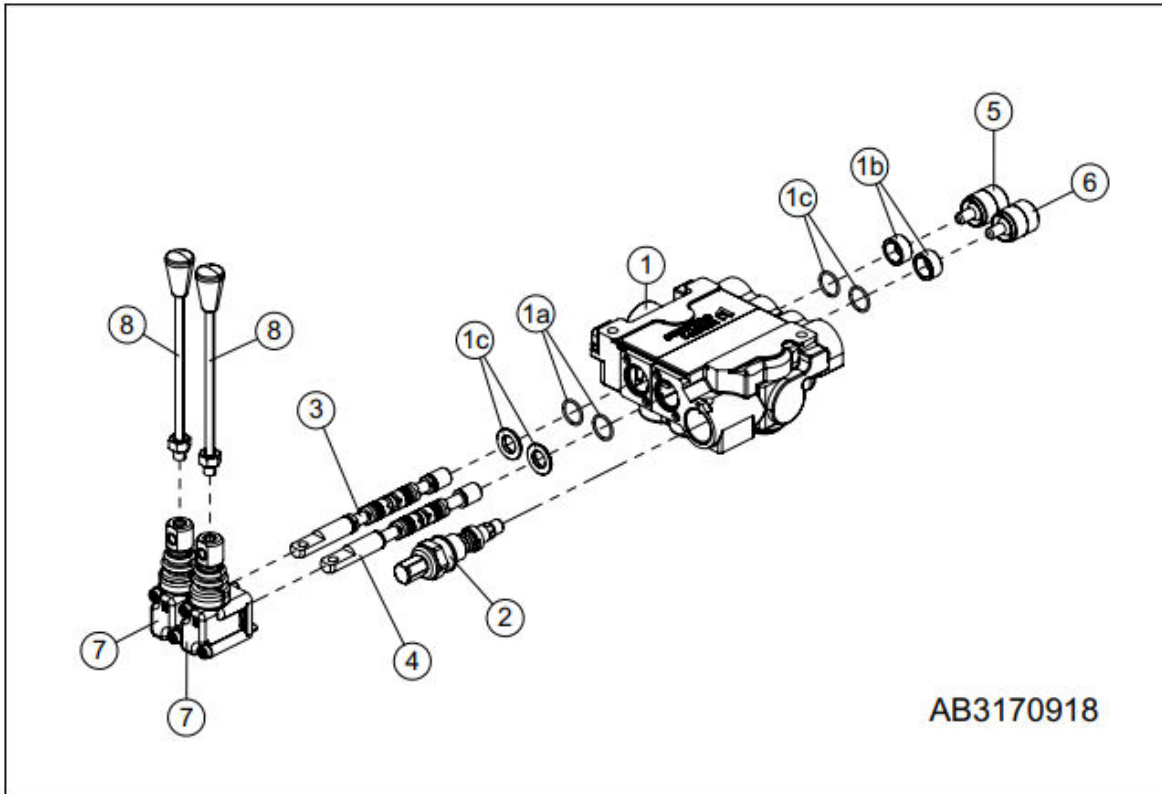
10.4 – 1000 PTO



10.4 – 1000 PTO

Key	Part Number	Description	Qty	Comments
A	AB3171217	Half, Guarded Joint & Shaft	1	
B	AB3171218	Half, Joint & Shaft	1	
C	AB3171225	Half, Guarded Joint & Tube	1	
D	AB3171226	Half, Joint & Tube	1	
1	AB3171220	Kit, Auto-Lok Repair	1	
2	AB3171219	Yoke, 55 Slide Lock	1	
3	AB3171221	Kit, 55E Cross	2	
4	AB3171222	Yoke & Shaft, 1.69-20 Spline	1	
5	AB3171223	Guard, Outer	1	
6	AB3171224	Kit, Guard Repair	2	
7	AB3171230	Guard, Inner	1	
8	AB3171227	Tube, Yoke & Slip Sleeve	1	
9	RC901476	Bolt, 7/16-14 x 2 Gr 5 CZ Hex	1	Spares located under storage compartment cover
10	AB3171228	Shear, 55 Ball	1	
11	RC901581	Nut, 7/16-14 CZ Top Lock	1	Spares located under storage compartment cover
12	AB3171229	Kit, Slide Lock Repair	1	

10.5 – Control Valves



10.5 – Control Valves

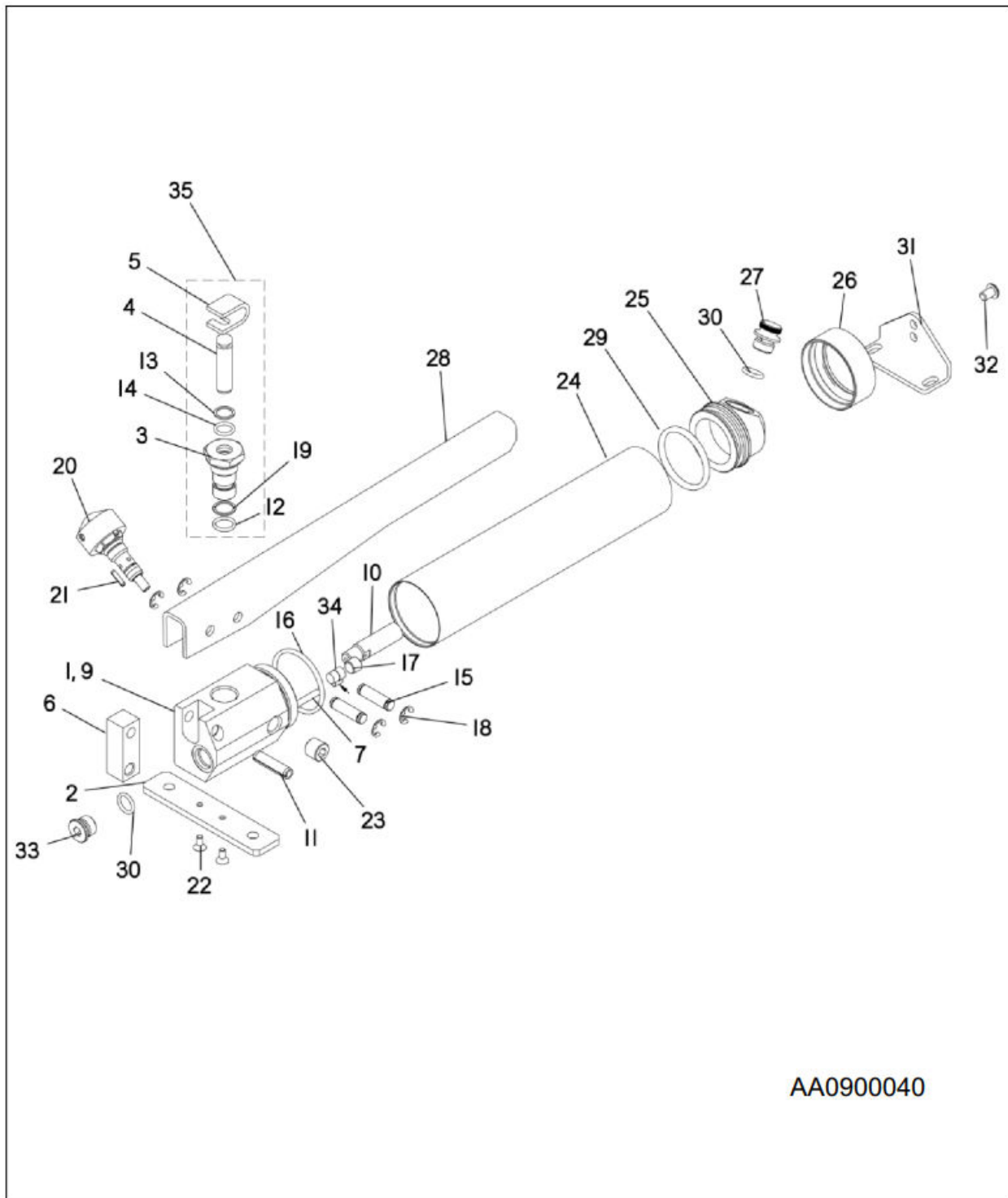
AB3170918

Key	Part Number	Description	Qty	Comments
1	AB3171015	Body, Distributor	1	
1a	AB3171002	O-Ring	4	
1b	AB3171003	Spacer	2	
1c	AB3171004	Spacer, Open Slot	2	
2	AB3171005	Valve	1	
3	AB3171006	Spool, Type A	1	
4	AB3171007	Spool, Type C	1	
5	AB3171008	Positioner	1	
6	AB3171009	Positioner	1	
7	AB3171010	Cap, Lever	2	
8	AB3171012	Lever, 150mm	2	

AB3171168

Key	Part Number	Description	Qty	Comments
1	AB3171015	Body, Distributor	1	
1a	AB3171002	O-Ring	4	
1b	AB3171003	Spacer	2	
1c	AB3171004	Spacer, Open Slot	2	
2	AB3171005	Valve	1	
3	AB3171006	Spool, Type A	1	
4	AB3171007	Spool, Type C	1	
5	AB3171008	Positioner	1	
6	AB3171014	Positioner	1	
7	AB3171010	Cap, Lever	1	
8	AB3171011	Cap, Locking Lever	1	
9	AB3171012	Lever, 150mm	1	
10	AB3171013	Lever, 140mm Locking	1	

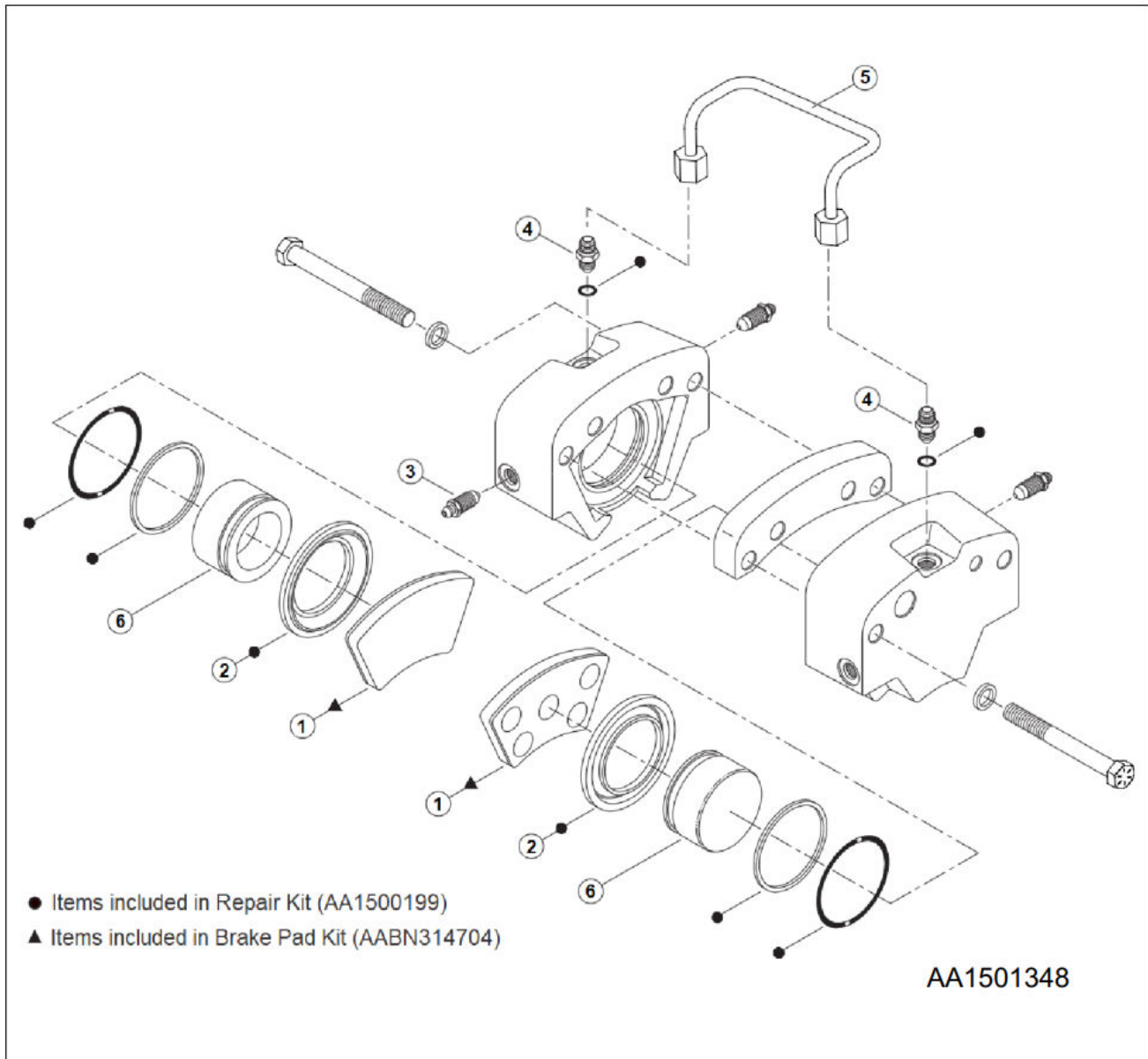
10.6 – Hand Pump



10.6 – Hand Pump

Key	Part Number	Description	Qty	Comments
4	AA0000646	Dowel, Machined Piston	1	
5	AA0000647	Tab, Piston	1	
20	AA0000555	Kit, Hydraulic Hand Pump Release	1	
22	AA0000648	Screw, #8-32 x 3/8 BO Flat Head Socket	2	
27	AA0000654	Plug, Hand Pump Filler	1	
30	AA0000655	O-Ring, Filler Plug	1	
35	AA0901970	Assembly, Hand Pump Cartridge	1	

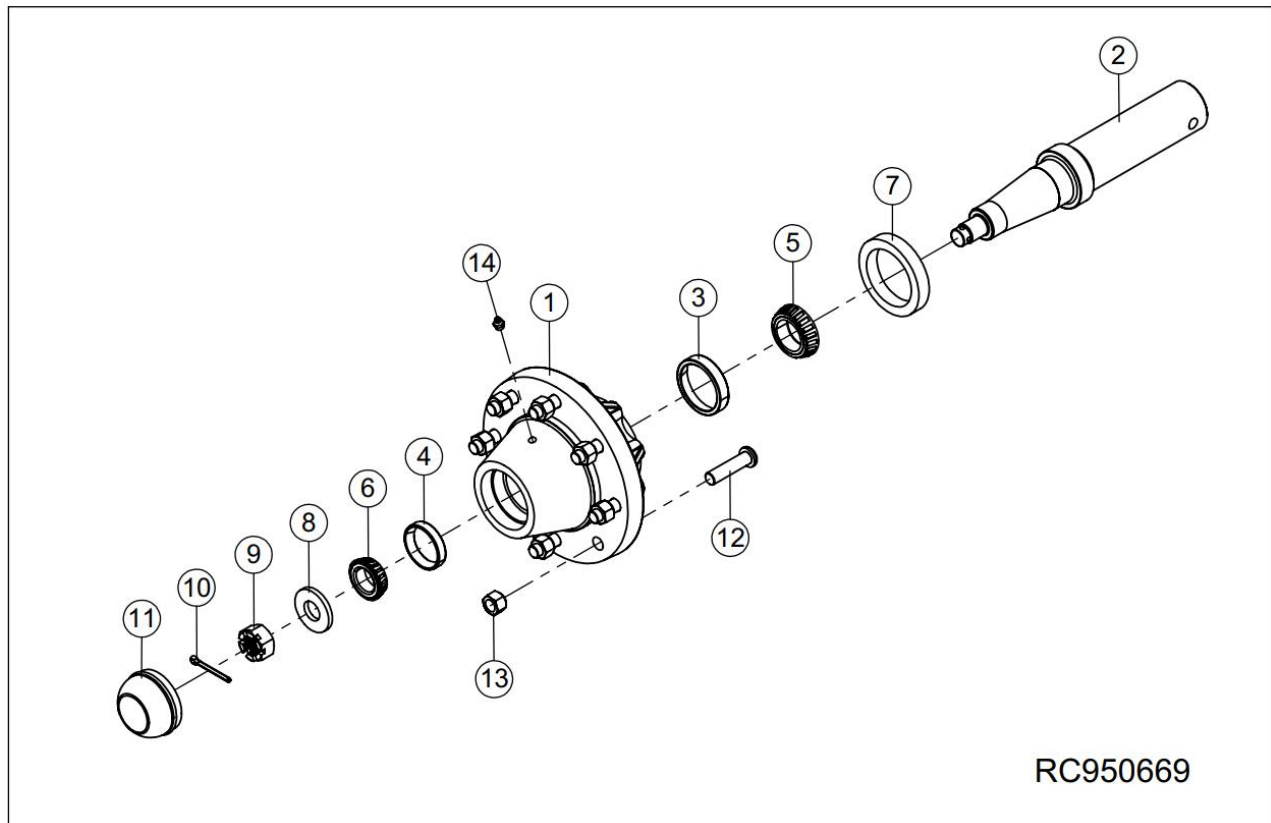
10.7 – Brake Caliper



10.7 – Brake Caliper

Key	Part Number	Description	Qty	Comments
1	AABN314704	Set, Brake Pad	1 Set	
2	AA1500199	Kit, Brake Repair Mico	1	
3	AA0000642	Screw, Bleeder	3	
4	AA0000643	Connector, Brake Caliper	2	
5	AA0000644	Tube, Brake Caliper	1	
6	AA0000645	Piston, Brake Caliper	2	

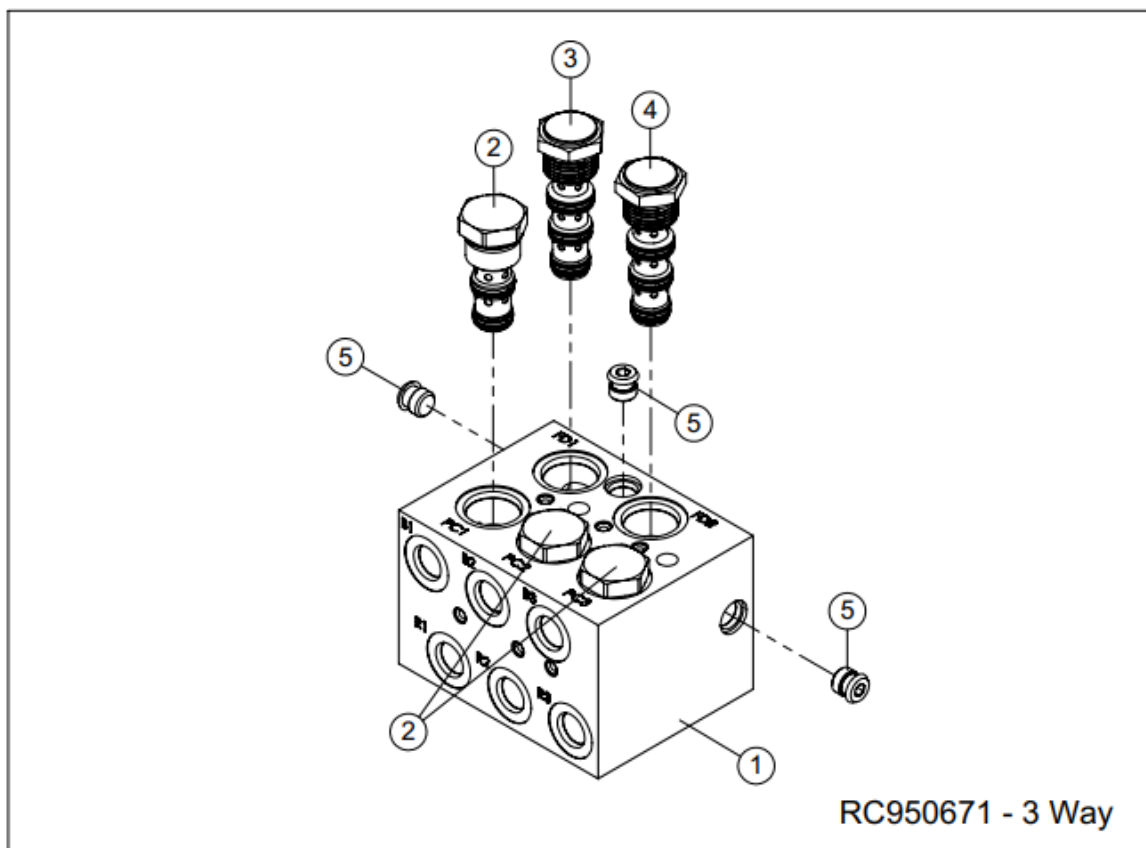
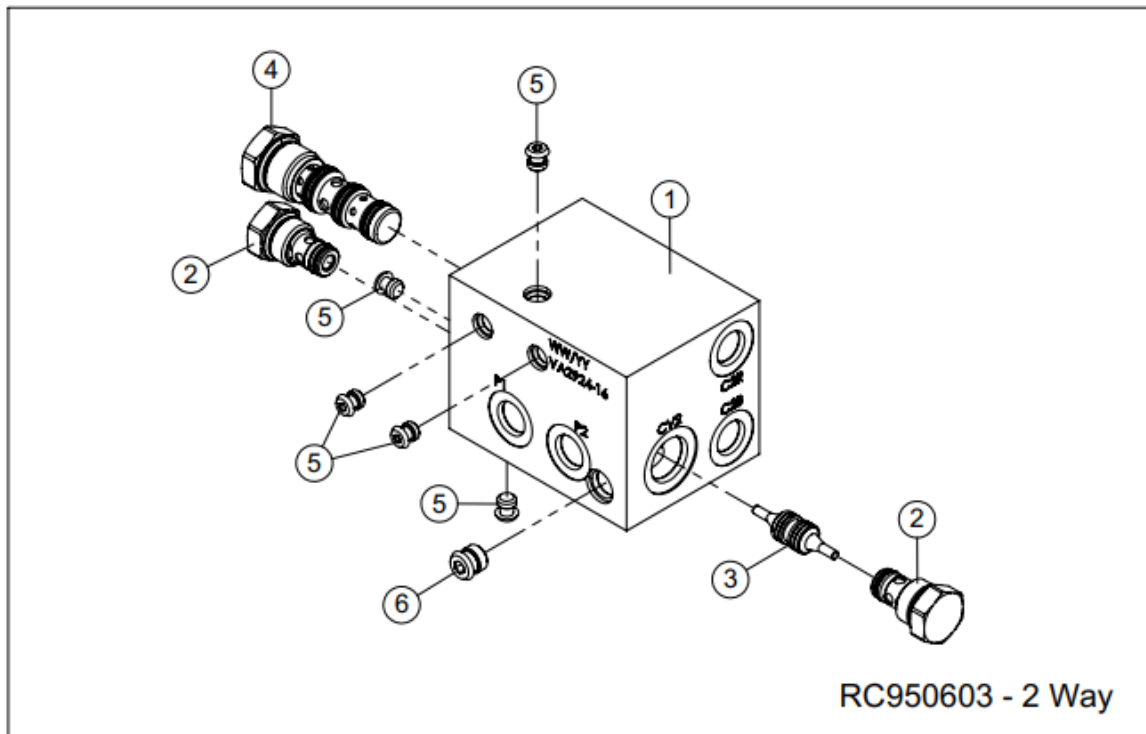
10.8 – Spindle



10.8 – Spindle

Key	Part Number	Description	Qty	Comments
1	RC950694	Hub, Cast	1	
2	RC950626	Spindle	1	
3	RC950623	Cup, Inner Bearing	1	
4	RC950624	Cup, Outer Bearing	1	
5	RC950627	Cone, Inner Bearing	1	
6	RC950628	Cone, Outer Bearing	1	
7	RC950695	Seal, Inner	1	
8	RC950696	Washer, Spindle	1	
9	RC950697	Nut, Hex Slotted	1	
10	RC902847	Pin, 7/32 x 2 CZ Cotter	1	
11	RC950698	Cap, Hub	1	
12	RC950625	Stud, 5/8-18UNF YZ Wheel	8	
13	RC950635	Nut, 5/8-18UNF Wheel	8	
14	RC901873	Zerk, 1/8 NPT Straight Grease	1	

10.9 – Flow Dividers



10.9 – Flow Dividers

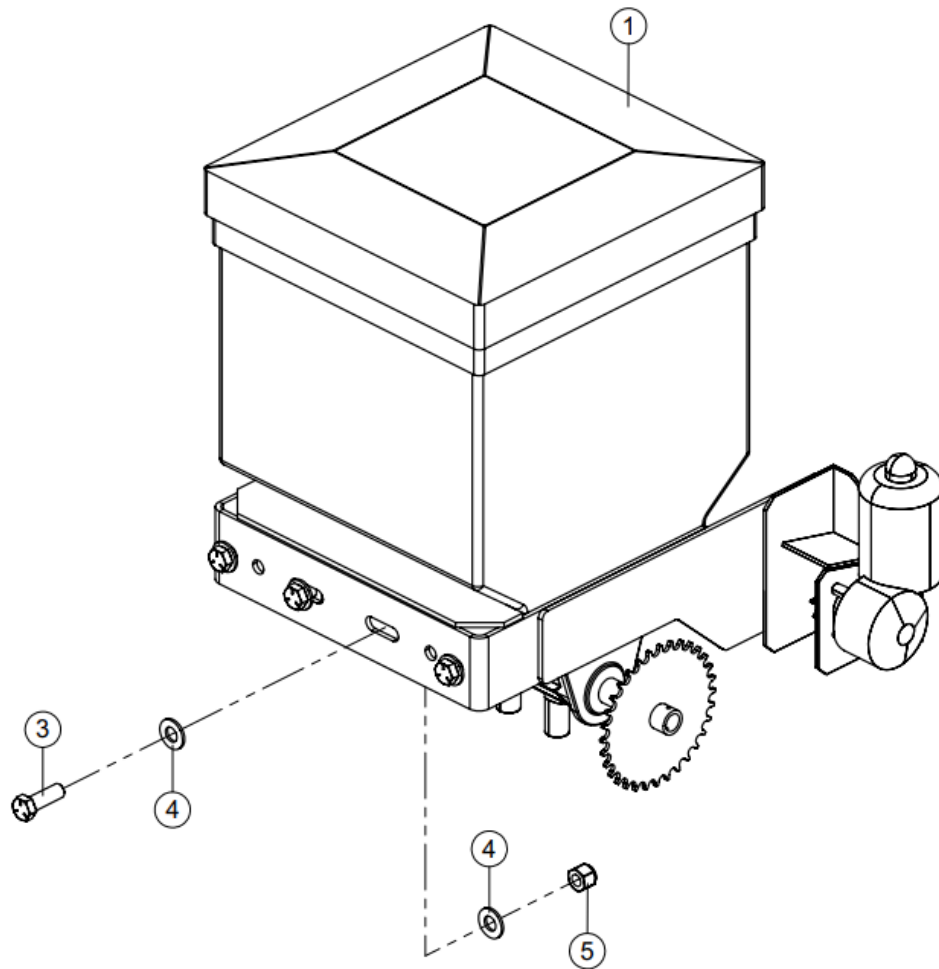
RC950603

Key	Part Number	Description	Qty	Comments
1	RC950602	Housing, #06 ORB x 2 Flow Divider	1	
2	RC950147	Valve, #08 25 PSI Check	2	
3	RC950604	Piston, #08 Pilot	1	
4	RC950605	Valve, #10 50:50, 4 GPM Input, Flow Divider	1	
5	RC950359	Stop, #2 Cavity Plug	5	
6	RC950362	Stop, #4 Cavity Plug	1	
7	RC950169	Kit, #08 2 Position, Buna N Seal	2	
8	RC950168	Kit, #10 4 Position, Buna N Seal	1	

RC950671

Key	Part Number	Description	Qty	Comments
1	RC950675	Housing, 3-Way Flow Divider	1	
2	RC950676	Valve, #10 30 PSI Check	3	
3	RC950683	Valve, #10 66:33, 9 GPM Input, Flow Divider	1	
4	RC950684	Valve, #10 50:50, 6 GPM Input, Flow Divider	1	
5	RC950362	Stop, #4 Cavity Plug	3	
6	RC950685	Kit, #10 3 Way Seal	3	
7	RC950686	Kit, Seal	2	

11.1 – Gandy Option

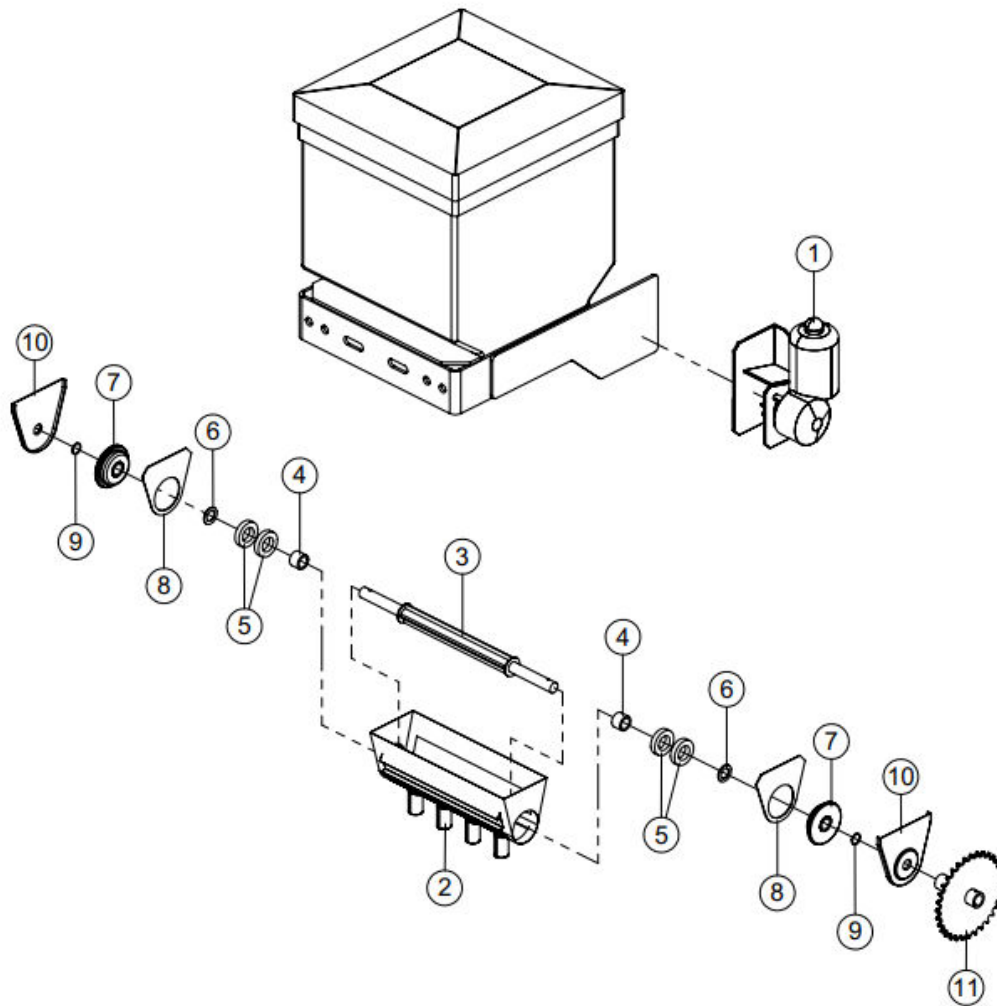


AB3171000

11.1 – Gandy Option

Key	Part Number	Description	Qty	Comments
1	AA1500005	Applicator, Gandy 45# 4H Dry Inoc	1	
2	AA0900838	Instructions, Gandy Mount Lightbar	1	
3	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	4	
4	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
5	RC900588	Nut, 1/2-13 YZ Nylock	4	

11.2 – Gandy Dry Inoculator

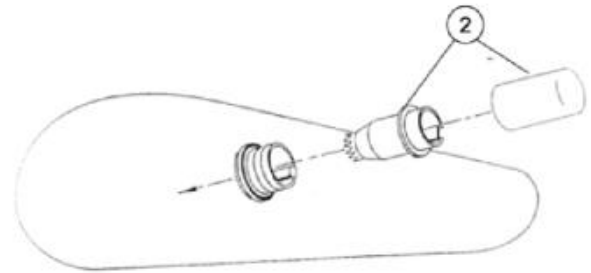
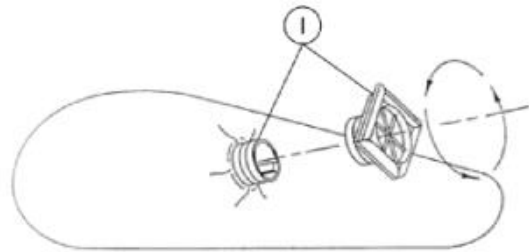
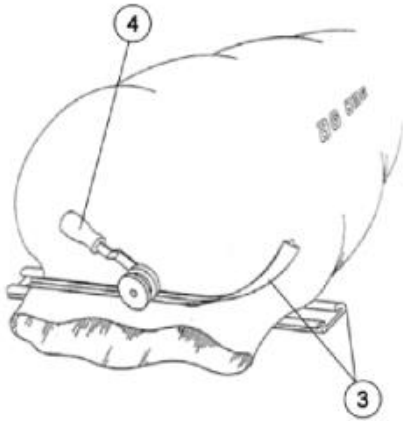


AA1500005

11.2 – Gandy Dry Inoculator

Key	Part Number	Description	Qty	Comments
1	AA1500276	Motor, Elec w/Brkt Sprkts Harness	1	
2	AA1500472	Slide, Jumbo 4 Hole Straight Bottom	1	
3	AA1500344	Rotor, Jumbo 10" Rubber Gandy	1	
4	AA3160475	Spacer	2	
5	AA1501991	Washer, 5/8 x 1-1/2 x 5/16 Rubber	4	
6	AA1501920	Washer, Gandy SS	2	
7	AA1501628	Bearing, Gandy	2	
8	AA1501621	Gasket, Gandy Bearing Retainer	2	
9	AA1501921	O-Ring, Gandy Rubber	2	
10	AA1501630	Retainer, Gandy Bearing	2	
11	AA1502070	Sprocket, Gandy 32 Tooth	1	
12	AA1500267	Masterseal, Box 14.5' (4pcs)	1	

11.3-Miscellaneous Items



11.3-Miscellaneous Items

Key	Part Number	Description	Qty	Comments
1	AA1500893	Valve, Bag Vent	AR	
2	AA1500568	Tool, Bag Vent	AR	
	AA1570001	Spray Adhesive - Not Shown	AR	
	AA1500523	Repair Tape, 2 in. x 36 Yard Roll - Not Shown	18/Case	
	AA1500525	Repair Tape, 3 in. x 36 Yard Roll - Not Shown	24/Case	
	AA1501331	Repair Tape, 4 in. x 36 Yard Roll - Not Shown	18/Case	
3	AA1500272	Master Seal, 250 Ft Roll	AR	
	AA1500270	Master Seal, 9.5 ft Lengths 4/Box	AR	
	AA1500267	Master Seal, 14.5 ft Lengths 4/Box For 8 & 9 ft Bags	AR	
	AA1500268	Master Seal, 17 ft Lengths 4/Box For 10 ft Bags	AR	
	AA1500269	Master Seal, 20 ft Lengths 4/Box For 11 & 12 ft Bags	AR	
4	AA1500273	Master Seal Zip Tool	AR	
5	AA908073	Kit, Ag Bag Green 1 Gal Urethane Paint	AR	
6	AA908074	Kit, Ag Bag Blue 1 Gal Urethane Paint	AR	
7	AA908076	Kit, Gray 1-1/4 Gal Primer	AR	
8	AA0000124	Paint, 12 oz. Ag-Bag Green Spray	AR	
9	AA0000126	Paint, 12 oz. Ag-Bag Blue Spray	AR	

19 PRE-DELIVERY CHECKLIST

(Keep in Manual – Send Copy to RCI)

After the Ag-Bagger is completely set up and prior to delivery, the following inspections **MUST** be made before delivery to the customer. Check off each item after prescribed action is taken.

- ☐ No parts of the unit have been damaged in shipment. Check for items such as dents, loose or missing parts, scratches, and cleanliness. Repair as needed.
- ☐ All bolts and fasteners are in place and tightly secured.
- ☐ The gearbox oil level is filled to the proper level.
- ☐ The hydraulic oil level is filled to the proper level.
- ☐ The conveyor slides properly and is properly lubricated.
- ☐ All guards, shields and decals are in place and securely attached.
- ☐ All chains are properly tightened and installed.
 - Conveyor Chain
 - Rotor Drive Chain
 - Hydraulic Pump Drive Chain
 - Jackshaft Chain Coupler
- ☐ Brake system properly tightens and releases.
- ☐ Brake discs are clean and rust free.
- ☐ Tunnel bungee cord and bag pan cords are properly installed.
- ☐ Backstop is strung properly.

- ☐ Wheels are properly attached, and tires are properly inflated.
- ☐ Cylinders, hoses, and fittings are NOT damaged, leaking or loosely connected.
- ☐ All grease fittings have been properly lubricated and the drive chains oiled.
- ☐ The hitch fits properly in the transport and operating positions.
- ☐ The transport lights, SMV, and safety chain are properly installed and functioning properly.
- ☐ Backstop is installed properly with cables, support arms, and stabilizer arms.
- ☐ Bag boom works properly and is secured for transport.

Connect the Ag-Bagger to the appropriate RPM tractor and test run while checking that proper operation is exhibited by all components.

- ☐ Transport lights work properly.
- ☐ PTO shield turns freely.
- ☐ All drives and mechanisms are operating smoothly and properly adjusted.
- ☐ All hydraulic system components are functioning properly.

Initials: _____ Dealer Representative

_____ Customer

20 DELIVERY CHECKLIST

(Keep in Manual – Send Copy to RCI)

The following checklist is an important reminder of valuable information that must be passed on to the customer at the time the Ag-Bagger is delivered.

Check off each item as you explain it to the customer.

- ☐ Present the customer the Operator Manual. Instruct them to be sure to read and completely understand its contents BEFORE attempting to operate the unit.
- ☐ Review the warranty.
- ☐ Explain and review with the customer the controls and safety equipment on the Ag-Bagger.
- ☐ Review with the customer the lubrication and maintenance chapters of the Operator Manual.
- ☐ Explain and review with the customer the PTO driveline information in the separate manual provided on the PTO driveline. Store the manual in the Operator Manual holder at the storage compartment on the Ag-Bagger.
- ☐ Direct the customer on how to use the table of contents of the Operator Manual as a quick page-locating guide.
- ☐ Direct the customer to visit Ag-Bag.com for a digital copy of this manual.
- ☐ Explain and review with the customer the safety information in the Operator Manual.
- ☐ Explain to the customer that regular lubrication and proper adjustments are required for continued, proper operation and long life.
- ☐ Explain and review with the customer the proper tractor and Ag-Bagger preparation for safe operation.
- ☐ Review the checklists and have the customer and the dealer representative initial the pages.
- ☐ Complete the Warranty Registration and Acknowledgements page and make copies of it and both checklist pages to send to Ag-Bag by RCI and keep copies for the dealership.

Initials: _____ Dealer Representative
_____ Customer

21 WARRANTY REGISTRATION AND ACKNOWLEDGEMENTS

(Keep in Manual – Send Copy to RCI)

Save time sending copy to Ag-Bag and fill out online after this page is complete.



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I acknowledge that all pre-delivery and all delivery checklist items were performed on this unit as outlined and reviewed with the customer at the time of delivery.

All work must be complete, and information provided, to properly register for warranty. Save copy of each inspection and this form at the dealership. Fill out form online for warranty or send to Ag-Bag by RCI directly.

(Photocopy, screen shot, and fax are all acceptable means of data transmission.)

Online: bit.ly/Ag-BagReg

Email: ag-bag@RCI.ag

Mail: Ag-Bag by RCI
208 River Knoll Drive
Mayville, WI 53050

Fax: 920-387-9806

Customer Signature

Model Number

Serial Number

Dealer Representative Name

Dealer Representative Signature

Dealer Name and Location

Date

Customer Contact Name

Customer Business Name

Customer Business Address

Customer Business City, State, ZIP

Customer Business Phone

Customer Business Email



Ag-Bag by RCI
RCI Engineering LLC
208 River Knoll Dr
Mayville, WI 53050
Toll free: (800) 334-7432
Ag-Bag@RCI.ag
www.ag-bag.com
www.rci.ag

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