T9096 Ag-Bagger

Operator and Parts Manual

(For Repair Parts, see Page 99)

Includes installation, operating, adjustment, maintenance, technical, repair parts and safety information for the T9096 Ag-Bagger

Please retain this document for future reference.

A Color PDF copy of this document is available online for download.

bit.ly/OperManual

Ag-Bag by RCI
RCI Engineering
www.ag-bag.com

AB3173564 Rev A (25Apr2026)

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 by RCI warranties, such as tires and trade accessories.
5. Normal maintenance service and expendable, high-wear items.
6. Paint and markings from shipping, storage, and normal use.
7. Sacrificial components designed to fail to prevent damage to other components when obstructions are encountered (i.e. shear bolts, rotor teeth)
8. Repairs or adjustments caused by: improper use; non-intended use; failure to follow recommended maintenance procedures; use of unauthorized attachments; accident or other casualty.
9. 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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Product Specifications

FEATURE	
DRIVE	
Driveline	1000-RPM Planetary Driveline
Gearbox and Planetary Cooling System	Standard
Direct Drive w/ Chain Coupler	Standard
Rotor Width	9' 6"
Number of Rotor Teeth	110
Rotor Style	Ag-Bag Legacy Rotor Pattern
Rotor Bearing (Drive)	Footed Spherical 3-15/16"
Rotor Bearing (Idler)	Footed Spherical 3-7/16"
Reversible Top Beater Drive	Standard
FEED TABLE	
12' Wide Opening Width	Standard
Single Wide Endless Belt	Standard
Hydraulic Lift	Standard
Direct Drive (from tractor SCV)	Standard
Heavy Duty Sealing System	Standard
HYDRAULICS	
Self-Contained Hydraulics With Cooler	Standard
External Reservoir	Standard
Hydraulic Jack System	Standard
COMPACTION SYSTEM	
Anchor Positioning System	Standard - Two adjustable steel anchors
Anchor Travel Distance	0' to 6' - Infinite Adjustment
Wheel Brakes	Standard - Hyd Disc Brake
Brake Hand Pumps	2, Standard
Maximum Ag-Bag Length	500’
TUNNELS AND EXTENSIONS	
10' Tunnel	Yes - Interchangeable
12’ Tunnel	Yes - Interchangeable
10' x 40" Tunnel Extension	Standard with 10' Tunnel Top
12' x 40" Tunnel Extension	Standard with 12' Tunnel Top
Sweeping Tunnel Cleanout	Standard
BAG BOOM, CRADLE, AND PAN	
Hydraulic Bag Boom with Winch	Standard
Bag Cradle with Tunnel Lift Capability	Standard
Hydraulic Bag Pan with Fold-Down Gate	Standard
INOCULANT APPLICATION	
Dry or Liquid	Optional
SPECIFICATIONS	
Overall Width (Transport)	8' 6"
Overall Width (Ag-Bagging)	24' + Tractor
Overall Length (Transport)	30' (22' 6" without hitch)
Overall Length (Ag-Bagging) (approx)	21'
Overall Transport Height (for farm)	13' 6" (on pintle hitch at truck)
Overall Transport Height (from factory)	12' 6" (on ground)
Overall Weight (w/12' Tunnel, approx)	28,780 lbs
Tongue Weight (w/12' Tunnel, approx)	10,000 lbs (Transport)
Horsepower Minimum	225 hp
Horsepower Maximum	350 hp

4 SAFE OPERATION OF MACHINE

Operator Authorization

The machine owner must provide the machine operator with 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 by 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 feedtable 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 solid, 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. Bure 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 brakes, cables and cylinder. Cables are under tension during Ag-Bagging Operations. A fast release of tension could have unexpected consequences including movement of the machine forward.

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. The T9096 operates at 1000 rpm only. 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 and put the tractor transmission into park and set the park brake.
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.

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

IMPORTANT: When returning to operation, remember to put the tractor transmission back into neutral and release the park brake or machine damage may result.

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 a safe distance 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 hydaulic fluid undeer presssure. 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.

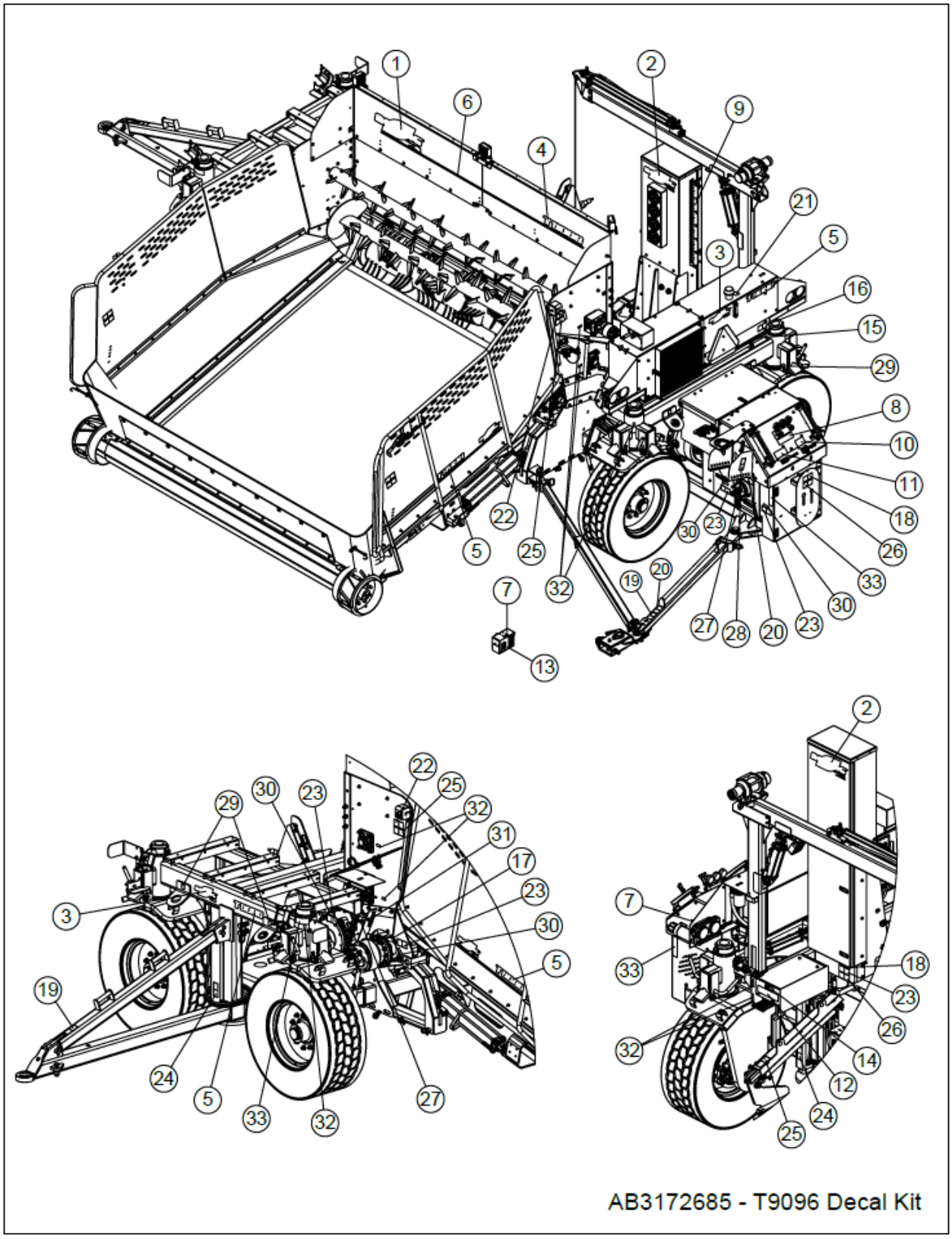
Safety Decal (11). This safety sign is a warning to NOT tow the implement over 25 MPH (40 kph). Keep towing speeds under this speed to avoid the hazard. Failure to do so may result in serious injury.

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.

Safety Decal (13). Pinch Point. This safety sign is a warning of a pinch point that can cause injury if encountered, especially during machine movement. Keep away from this area when the machine is in use. Shut off the machine before performing any service on the machine in this area.

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.

6 SAFETY SIGN LOCATIONS

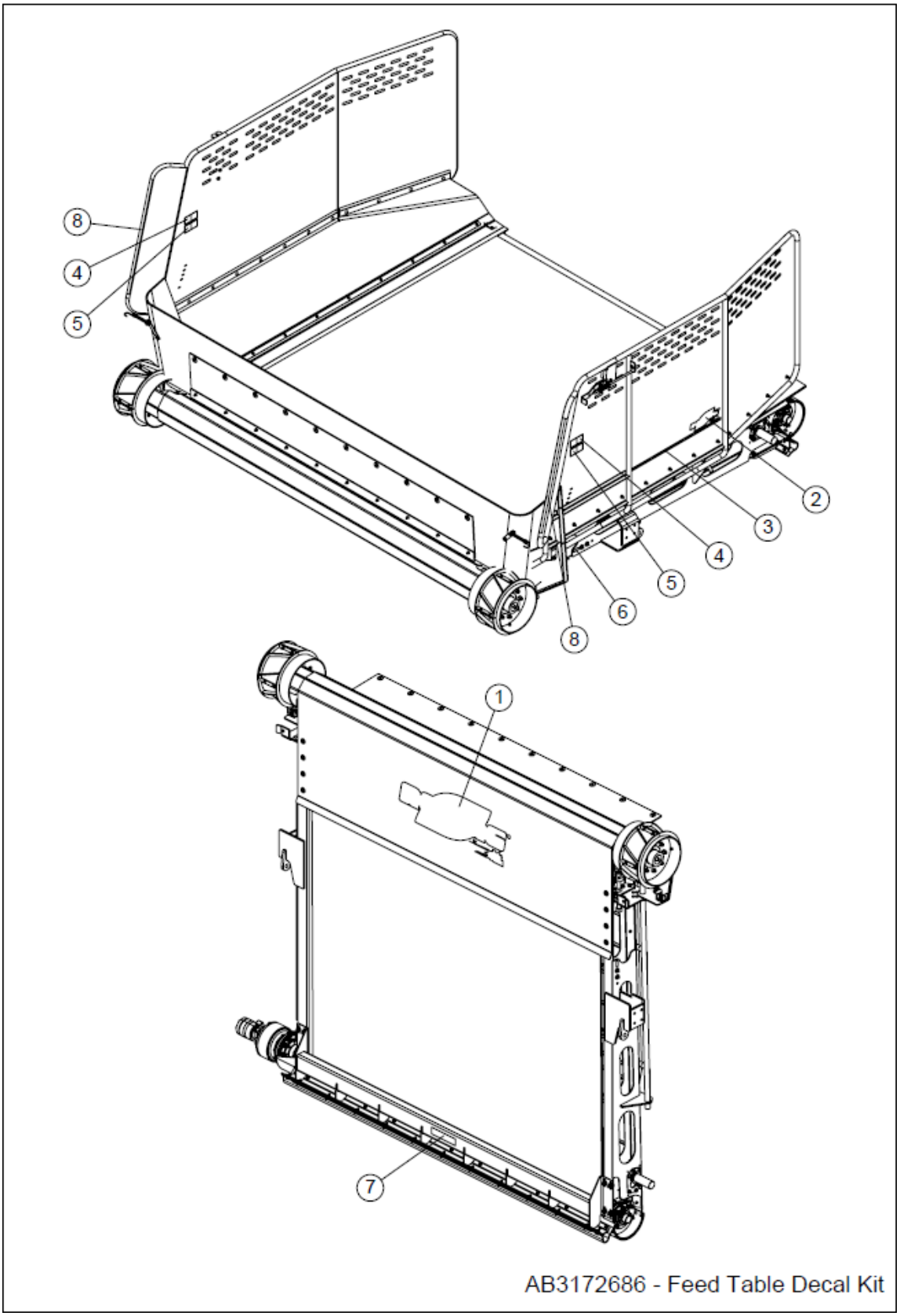


AB3172685 - T9096 Decal Kit

Safety Sign Locations

Key	Sign No.	Description	Qty	Comments
1		Decal, 8.9" x 24.4" AgBag by RCI Logo	1	
2		Decal, 5.9" x 16" AgBag by RCI Logo	2	
3		Decal, 4" x 10.8" AgBag by RCI Logo	2	
4		Decal, T9096 Model Number	2	
5		Decal, T9096 Model Number Conveyor	4	
6		Decal, 104" Double Line	1	
7		Decal, Ag-Bag Manuals QR Code	2	
8		Decal, Anchor and Brake System Gauge	1	
9		Decal, Anchor Position	1	
10		Decal, Cleanout Door and Anchor Position Controls	1	
11		Decal, Conveyor and Machine Lift Controls	1	
12		Decal, Hydraulic Bag Boom w/ Bag Pan Controls	1	
13		Decal, Control Box Overlay	1	
14		Decal, Boom Work Light	1	
15		Decal, American Flag	1	
16	7	Decal, Hot Surface Warning	1	
17		Decal, Mobilube™ HD Plus Gear Oil 85W-140	1	
18	1	Decal, Read OPM	2	
19	11	Decal, 25 MPH Speed Limit	2	
20	12	Decal, 1000 PTO Warning	2	
21		Decal, Universal Trans Oil	1	
22	6	Decal, ISO Auger Entanglement	2	
23	3	Decal, ISO Entanglement Hazard	7	
24	10	Decal, ISO Foot Crush Hazard Vertical	3	
25	13	Decal, ISO Hand Crush Hazard	4	
26	8	Decal, ISO High Pressure Fluid Hazard	4	
27	2	Decal, ISO Keep Safe Distance	7	
28	5	Decal, ISO PTO Entanglement	2	
29		Decal, ISO Tiedown	4	
30		Decal, Oil Every 2 Hours	6	
31		Decal, Grease Every 2 Hours	2	
32		Decal, Grease	20	
33		Reflector, Yellow 2 x 9	5	Not included in kit

Safety Sign Locations - continued



Safety Sign Locations – continued

Key	Sign No.	Description	Qty	Comments
1		Decal, 14.7" x 40" AgBag by RCI Logo	1	
2		Decal, 4" x 10.8" AgBag by RCI Logo	2	
3		Decal, 34" Double Line	2	
4	6	Decal, ISO Auger Entanglement	4	
5	4	Decal, ISO Conveyor Entanglement	4	
6		Decal, Grease	2	
7		Reflector, Yellow 2 x 9	1	Not included in kit
8		Tape, 1" x 34" C.L. White Reflective	2	Not included in kit

7 COMPONENT LOCATIONS

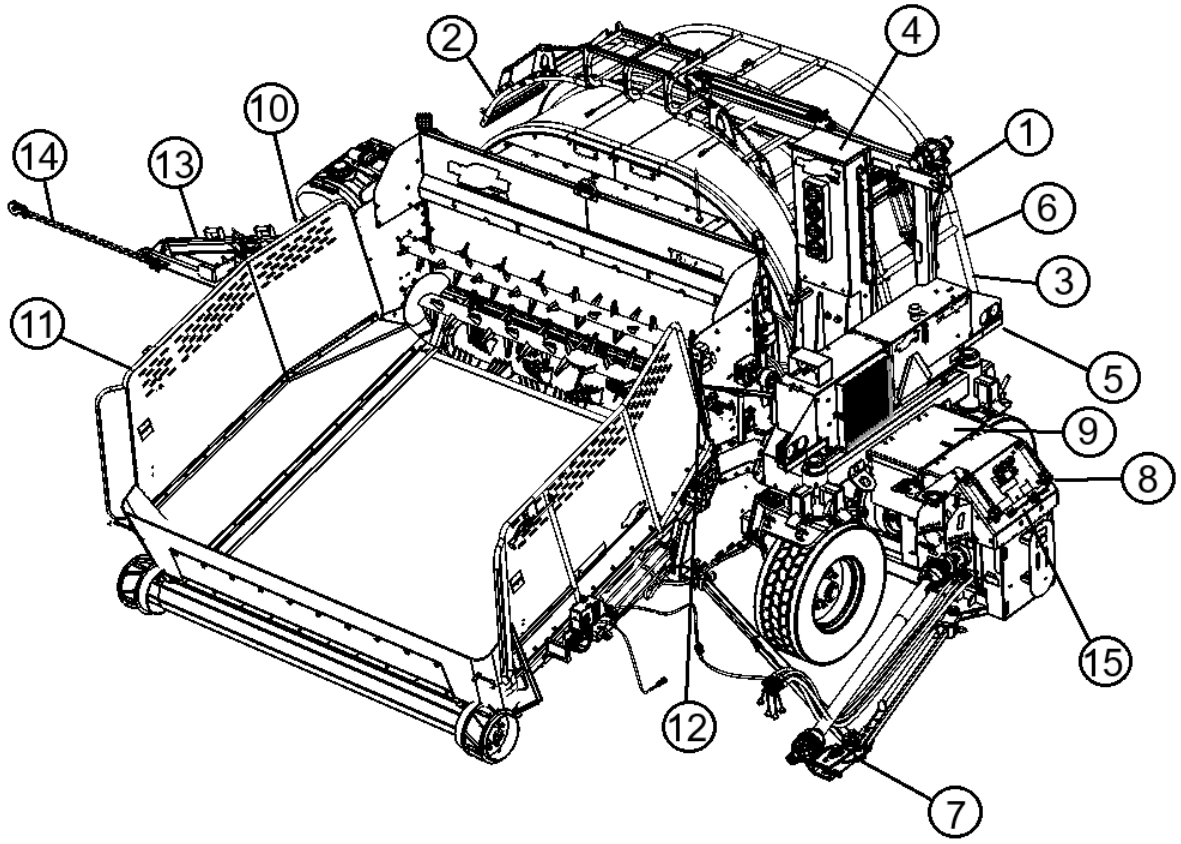


Figure 9. Ag-Bagger Shown in Bagging Configuration with Transport Hitch Extended (and with Tunnel Extension in Mounted Position for clarity)
Key 1 – Bag Boom Key 2 – Bag Cradle Key 3 – Tunnel and Extension
Key 4 – Anchor Control Key 5 – Tail Lights Key 6 – Anchors Key 7 – Bagging Hitch
Key 8 – OM Holder Key 9 – Storage Compartment Key 10 – PTO Storage Location
Key 11 – Feedtable Key 12 – Feedtable Lock Key 13 – Transport Hitch
Key 14 – Safety Chain Key 15 – Operator Station

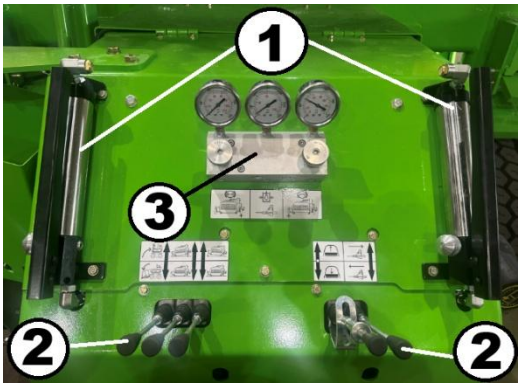


Figure 10. Operator Station
Key 1– Hand Pumps Key 2 – Control Levers
Key 3 – Brake and Anchor Control

Figure 11. S/N Tag Location
(under oil cooler on main frame)
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 all hitch pins are installed and secured with lynch pins or other positive locking devices.
- ☐ 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.
- ☐ Check that hydraulic hoses are properly connected to the tractor SCV (Selective Control Valve) outlets. Verify connections are tight with no leaks.
- ☐ Lubricate, grease, and check all fluid levels. Refer to the *Lubrication and Maintenance* section of this manual.
- ☐ 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 to ensure there are no foreign objects.
- ☐ Check the tunnel cleanout is completely closed.
- ☐ Check the feedtable belt for correct tension and for correct position.
- ☐ Check if tunnel extension is properly installed.
- ☐ Check each brake disc. Each disc must be clean and rust free. Clean as needed and set brakes properly.
- ☐ Check the cables to ensure they have no damage and are properly routed through to the position cylinder.
- ☐ Check all hydraulic lines, hoses, and fittings for leaks and tightness.
- ☐ Check that the bag bungee cord is 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 us 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.

Hitch Configuration and Adjustment – Ag-Bagging

The Ag-Bagger must be adjusted at the hitch to be properly aligned to the tractor. Failure to maintain proper hitch position will result in poor bagging performance, uneven density, and potential machine and/or bag damage.

Always park the towing vehicle, tractor and Ag-Bagger on flat ground and set park brakes and the T9096 wheel brakes prior to making any changes to the hitch configuration.

To return the transport hitch to storage location:

1. Remove the pins on the hitch support.
2. Remove the hitch support and place into storage position.
3. Use the pins and clips to retain the support in the storage position.
4. Remove the pin and clip on the transport hitch.
5. Slide the transport hitch in to the storage position.
6. Reinstall the pin and clip to retain the hitch in the storage position.
7. Store the lighting harness connector.
8. Wrap safety chain around hitch and secure with lock on hook.

See Figures 12 and 13.

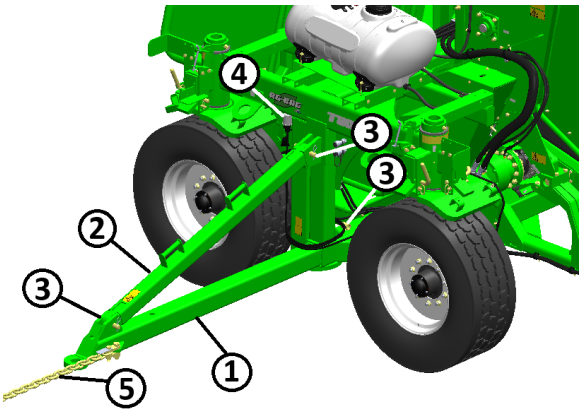


Figure 12. Transport Hitch
Key 1 – Hitch Key 2 – Brace
Key 3 – Pin + Clip Key 4 – Harness
Key 5 – Safety Chain

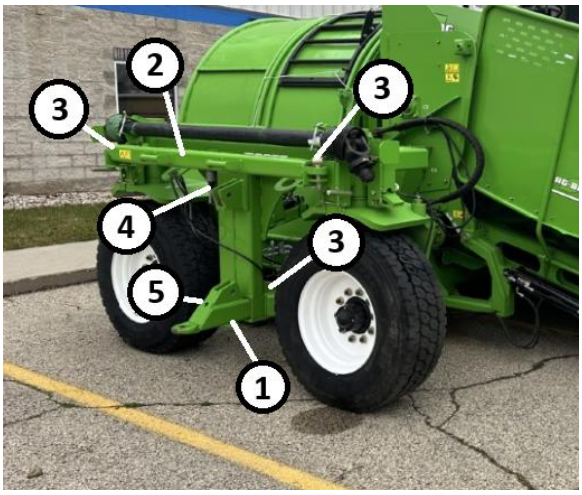


Figure 13. Retracted Transport Hitch
Key 1 – Hitch Key 2 – Brace
Key 3 – Pin + Clip Key 4 – Harness
Key 5 – Safety Chain

To set up the hitch for Ag-Bagging:

1. Park the tractor and Ag-Bagger on level ground with the engine off and parking brake set.

2. Install the hitch extension on the drawbar of the tractor using an appropriately sized hitch pin and retainer for the drawbar of the tractor. Use the provided bushings as needed to match the size of the pin in the drawbar. If the hitch extension is too tight in the vertical direction to fit the hitch, remove some shims.

IMPORTANT: If a tractor with a hammer strap is used, make sure the hammer strap is removed or adjusted to clear the hitch extension. Do not operate the Ag-Bagger without the hitch extension or the hitch brace as machine damage may result. Use a hitch pin sized for the tractor hitch and use the adapters on the hitch extension to properly size the unit for the pin used. Always use a safety clip with any hitch pins. See Figures 14 and 15.

3 Adjust the side bolts on the hitch extension to tighten the assembly to the hitch. Use the lock nuts to secure the bolts.

4 If there is still vertical play in the hitch extension, add shims in the assembly to shim the top side of the hitch in the assembly.

5 Install the hitch assembly between the hitch extension and the frame of the Ag-Bagger using the provided pins.

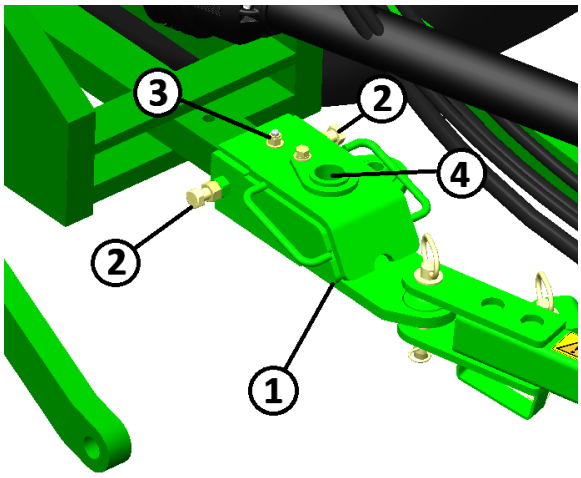


Figure 14. Hitch Extension
Key 1 – Extension Key 2 – Side Bolts
Key 3 – Shim Bolt Key 4 – Pin adapter

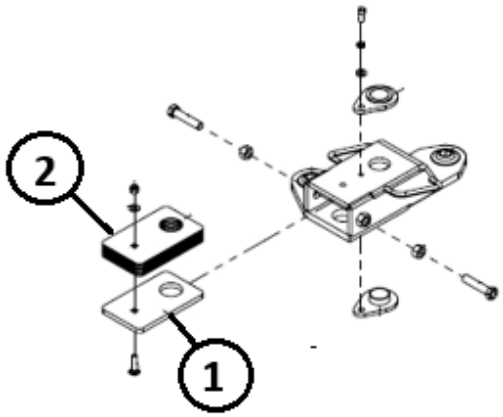


Figure 15. Extension Shims
Key 1 – Spacer Key 2 - Shims

NOTE: The hitch support, when attached to the feedtable and hitch extension, keeps the Ag-Bagger aligned with the tractor for ease of bagging. It also prevents the feedtable from contacting the tractor wheel. When the hitch support is connected to the main frame and the hitch tube, it allows the Ag-Bagger to pivot at the rear of the tractor, rather than remain aligned with the hitch. Adjust the length of the hitch brace to set the distance of the tire to the feedtable.

6 If moving the machine to another position prior to Ag-Bagging, install the hitch support between the swivel ball at the side of the main hitch and the main frame.

If aligned for Ag-Bagging, install the hitch support between the swivel ball at the side of the Hitch Extension and the side of the feedtable when in the lowered position.

7 Prior to Ag-Bagging, when installing the hitch brace between the feedtable and the hitch extension, set the distance from the tractor tire to the feedtable to be at least 6” (15 cm) and no more than 18” (45 cm) from the feedtable to prevent contact when Ag-bagging.

Try to minimize the angle of the driveline to increase service life of the PTO shaft. Use the pins in the hitch support to set the length of the support for proper tractor alignment to the Ag-Bagger.

IMPORTANT: The hitch support must be at the side of the feedtable and to the hitch extension for Ag-bagging, and at the main frame to the main hitch for moving the machine such as between Ag-Bags. Do not raise the feedtable beyond horizontal when the hitch support is connected to the feedtable. Do not turn sharp when the hitch support is connected to the feedtable. Failure to follow these instructions may result in machine damage. See Fig. 16 and 17.

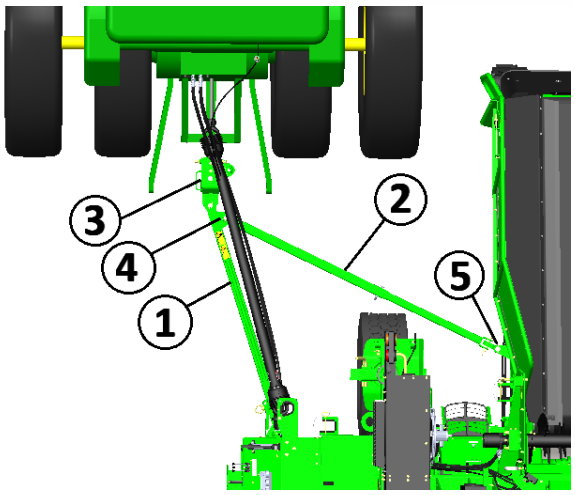


Figure 16. *Moving* the Ag-Bagger Setup
Key 1 – Hitch Key 2 – Hitch Brace
Key 3 – Hitch Extension
Key 4 – *Moving* Pin Location
Key 5-Main Frame *Moving* Pin Location

Note: When moving the Ag-Bagger, the hitch brace is installed between the hitch and Ag-Bagger main frame. When Ag-Bagging, the hitch brace is installed between the extension and the feedtable.

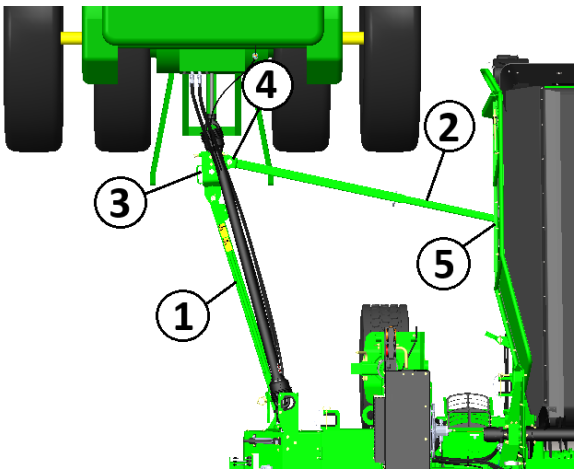


Figure 17. *Ag-Bagging* Setup
Key 1 – Hitch Key 2 – Hitch Brace
Key 3 – Hitch Extension
Key 4 – *Ag-Bagging* Pin Location
Key 5-Feedtable *Ag-Bagging*
Pin Location

PTO and Hydraulic Connection

Proper connection of the PTO shaft and hydraulic systems is critical for safe and efficient operation. Follow these procedures carefully.

PTO Connection

1. Ensure the tractor engine is off, key removed, and parking brake set before connecting the PTO shaft.

2. Verify the tractor PTO is set to 1000 RPM operation. The T9096 requires 1000 RPM PTO only.

3. Verify the tractor PTO output shaft is a 1-3/4 inch 20-spline shaft. Check for damage or excessive wear on splines.

4. Remove the PTO from the storage position at the towing end of the machine.

5. Slide the PTO shaft yoke onto the tractor PTO output shaft. Ensure it engages fully with all splines.

6. Secure the PTO shaft to the tractor with the retaining bolt and lock collar or spring-loaded locking mechanism.

7. Connect the other end of the PTO shaft to the Ag-Bagger gearbox input shaft using the same procedure.

8. Verify both ends of the PTO shaft are securely attached and cannot be pulled apart.

9. Check that all PTO shields are in place and rotate freely without binding or interference. The shields must completely cover the rotating shaft and universal joints.

10. Check PTO shaft length. The shaft should have adequate overlap at both ends (minimum 6 inches) in all operating positions. Adjust length, if necessary, before operation.

11. Attach the PTO shield retention chains to prevent shield rotation during operation.

WARNING: Never operate the machine with PTO shields removed or damaged. Rotating PTO shafts can catch clothing and cause severe injury or death. Always keep shields in place and in good condition.

Hydraulic Connection

1. Identify the hydraulic quick-connect couplers on the Ag-Bagger. Couplers are labeled at the hose connection on the Ag-Bagger for function (+ or – and pairing).

2. Clean all hydraulic coupler faces to prevent contamination from entering the hydraulic system.

3. Relieve tractor SCV hydraulic pressure for easier connection.

4. Connect the hydraulic supply hoses to the tractor SCV outlets. Match the supply and return hoses according to the connection indicators on the machine.

5. Ensure all quick-connect couplers are fully engaged and locked. Tug on each connection to verify it is secure.

6. Connect hydraulic hoses for the feedtable drive motor before connecting the hoses for other hydraulic functions.

7. After all hydraulic connections are made, cycle each hydraulic function to purge air from the lines.

8. Check all hydraulic connections for leaks while system is under pressure. Use cardboard or paper for testing, not your hand. Tighten or repair any leaking connections before operation.

9. Verify adequate hydraulic flow and pressure. Minimum requirement: 20 GPM at 3000 PSI. Inadequate hydraulic flow will result in poor performance.

WARNING: Never connect or disconnect hydraulic hoses while the system is under pressure. Always relieve hydraulic pressure before breaking hydraulic connections. Hydraulic fluid under pressure can penetrate skin causing serious injury. Never use your hand to check for hydraulic leaks. Use cardboard or paper to detect leaks.

See Figure 18.

Electrical Connection

Mount the control panel in the cab along the right side of the cab, in an area convenient for the operator to use.

If used, mount the optional monitor for the camera at the side of the cab in an easy-to-see location.

Route the harness through the back of the cab to the SCV area. Connect the power supply to the auxiliary power of the tractor cab.

Connect the T9096 wiring harness to the main control panel harness.

See Figure 18.

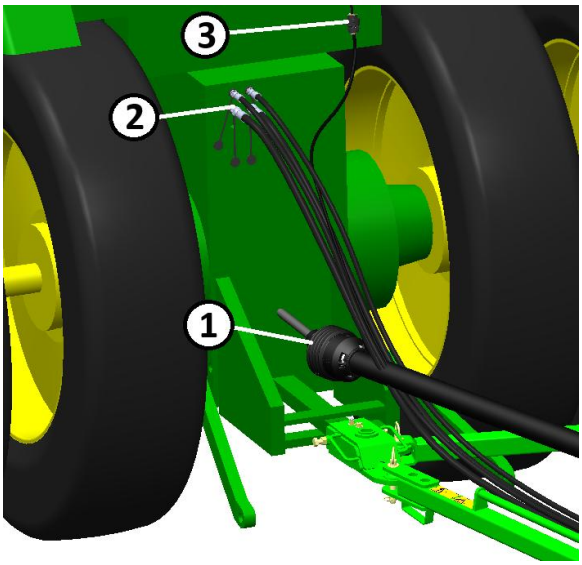


Figure 18. Tractor Connections
Key 1 – PTO
Key 2 – Hydraulic Connections
Key 3 – Electrical Connection

Inoculant Applicator Connection

If using an inoculant applicator system (such as a liquid applicator), it must be properly installed and connected before Ag-Bagging operations begin.

Inoculant systems are optional equipment.

1. Mount the inoculant applicator to the frame using the mounting brackets provided with the applicator.

2. Position the applicator discharge to distribute inoculant evenly across the feed table width.

3. Connect the applicator drive system to the appropriate power source (hydraulic motor or electric motor depending on applicator model).

4. Adjust applicator settings according to the inoculant manufacturer's recommendations for application rate.

5. Fill the applicator hopper with inoculant material. Do not overfill.

6. Test the applicator operation before beginning Ag-Bagging to verify proper flow rate and distribution pattern.

   Refer to the inoculant applicator manufacturer's instructions for detailed installation, operation, and calibration procedures.

   Contact your dealer for assistance with applicator installation if needed.

   See Figure 19.

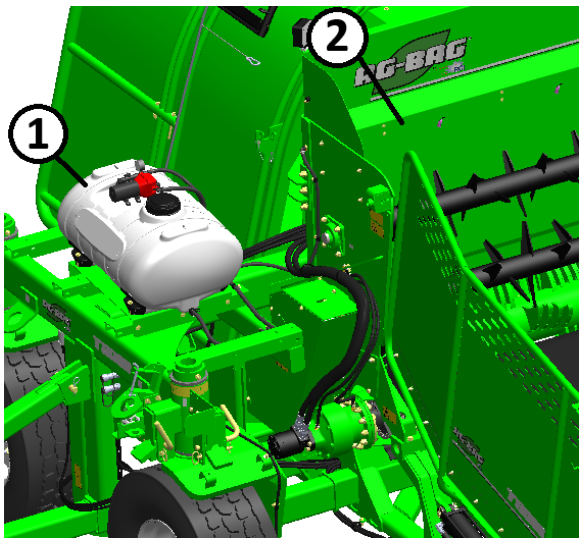


Figure 19. Inoculant Applicator
Key 1 – Tank and Pump Assembly
Key 2 – Applicator Discharge

Moving Wheels to Ag-Bagging Position

The T9096 wheels must be repositioned from transport mode to Ag-Bagging mode before beginning Ag-Bagging operations.

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.

WARNING: Never move the wheels while the machine is in motion. Always park on level ground with the parking brake set and hitch attached before repositioning wheels. Ensure all personnel are clear of the wheel pivot and jack stand area before moving wheels. The wheels must be in Ag-Bagging position before moving or Ag-Bagging with the machine when the tractor is connected in the Ag-Bagging position. Operating with wheels in transport position may result in machine damage and injury.

1. Park the machine on firm, level ground. Shut off the tractor engine and remove the key.

2. Verify the tractor parking brake is set and the machine is stable.

3. Starting with one wheel, locate the wheel position lock mechanisms. These lock the wheel in either transport or bagging position.

4. Pull the clip from the lock pin and remove from the engaged lock and raise the lock. Reinstall the pin and clip in the upper hole to retain the lock in the disengaged position.

5. Repeat at all three other wheels.

6. Locate the hydraulic control levers for both jack stands on at the operator station.

7. Start the tractor engine, SCV, and then engage the hydraulic controls to raise one end of the machine.

8. Rotate one wheel 90 degrees to the bagging position. Take care to rotate the tire slowly in the proper direction to avoid damage to components, and in the direction of the shortest distance for the slot to engage the other lock mechanism.

9. At the other lock that aligns with the slot in the wheel drop, pull the clip from the lock pin and remove from the disengaged lock and lower the lock.

10. Reinstall the pin and clip in the lower hole to retain the lock in the engaged position.

11. Repeat the process at the other raised wheel.

12. Return to the T9096 operator station and lower the end of the machine and raise the jack stand fully.

13. Use the other hydraulic valve to raise the other end of the machine until the tires are off the ground.

14. At the raised end of the machine, rotate one wheel 90 degrees to the bagging position. Take care to rotate the tire slowly in the proper direction to avoid damage to components, and in the direction of the shortest distance for the slot to engage the other lock mechanism.

15. At the other lock that aligns with the slot in the wheel drop, pull the clip from the lock pin and remove from the disengaged lock and lower the lock.

16. Reinstall the pin and clip in the lower hole to retain the lock in the engaged position.

17. Repeat the process at the other raised wheel.

18. Return to the operator station and lower the end of the machine and raise the jack stand fully.

19. Return to the tractor, disengage the hydraulics, turn off the engine and remove the key.

See Figures 20 and 21.

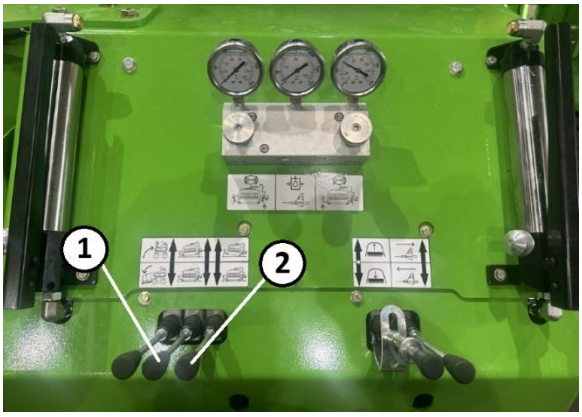


Figure 20. Operator Station
Key 1 – Tractor End Hydraulic Jack
Key 2 – Far End Hydraulic Jack

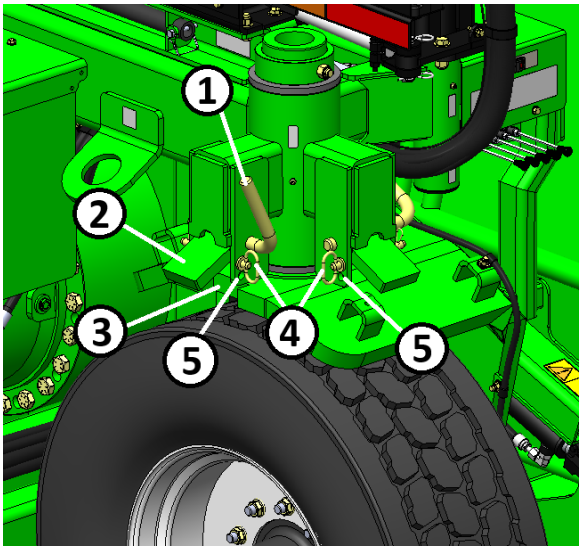


Figure 21. Wheel Locks
Key 1 – Lever Key 2 – Lock
Key 3 – Lock Notch
Key 4-Pin and Clip and Upper Hole (up)
Key 5 – Lower Hole (down)

Lower Feedtable to Operating Position

The feed table must be lowered from its raised transport position to the operating position before bagging. The feedtable is raised and lowered using hydraulic cylinders controlled from the operator station, powered by the SCV of the tractor.

WARNING: Keep all personnel clear of the feed table during raising and lowering operations. The feed table is heavy and can cause serious crushing injuries. Never work under a raised feed table without properly supporting it with mechanical blocks or stands.

1. Ensure the area beneath and around the feed table is clear of personnel and obstacles.

2. Disengage the transport lock for the feedtable. Turn the lock to retain in the disengaged state.

3. Start the tractor engine and allow hydraulic system to reach operating temperature if cold.

4. Engage the tractor SCV to power the corresponding hydraulic functions of the Ag-Bagger.

5. Locate the feed table raise/lower control lever at the operator station.

6. Move the control lever to the LOWER position. The feed table will begin to descend.

7. Guide the feed table down slowly and steadily. Watch for any binding or interference.

8. Continue lowering the feed table until it reaches the fully lowered operating position and then pulls in tight with the forage dam against the frame beneath the belt.

9. Release the control lever. The hydraulic system should hold the table in position.

10. Turn off the tractor SCV, shut off the engine and remove the key.

11. At the wings on the feed table, disengage the latch and unfold the wings. Secure them with their locking pins in the raised position.

See Figures 22 through 24.

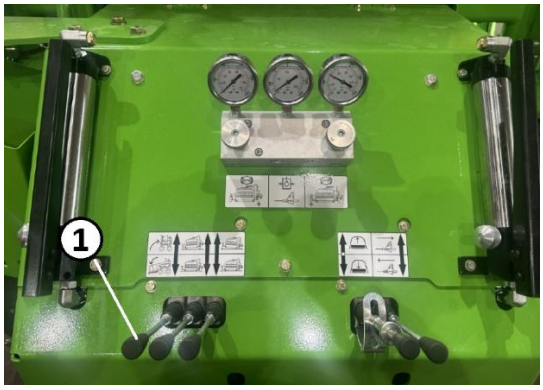


Figure 22. Operator Station
Key 1 – Feedtable Raise/Lower Control

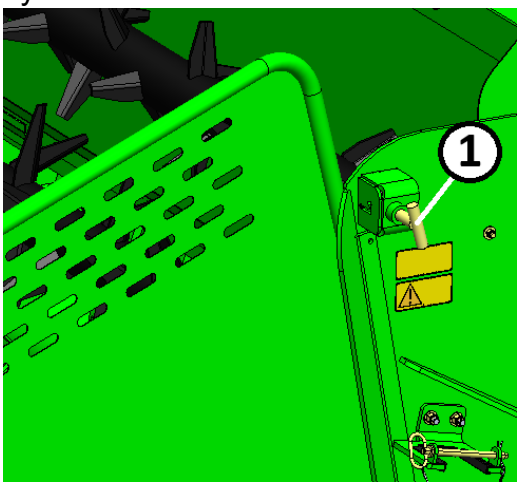


Figure 23. Feedtable Lock Location
Key 1 – Lock Handle

Figure 24. Wing Latches
Key 1 – Transport Latch
Key 2 – Ag-Bagging Latch

Bag Boom Adjustment

The bag boom (bag cradle) height must be adjusted to properly lift the tunnel extension with the cradle, and to lift the bag with the cradle into position.

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

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

The extension of the boom (in/out) should be adjusted after the height is set. The optimal position for the extension of the boom is to place the pulley for the cable directly over the center of the machine when the boom is in the forward-most position (rotate in).
When returning the bag cradle to the home position, whether with a bag or extension included, this will assist in placing the cradle in the exact position needed for proper operation.

The optimal bag boom position is 48-60 inches from the top of the tunnel to the top of the boom.

DANGER: When adjusting the bag boom, take care to extend the winch if extending the boom to avoid overload of the cable. Failure to do so may result in machine damage or injury.

To adjust the bag boom:

1. Ensure the area beneath and around the bag boom is clear of personnel and obstacles.
2. Start the tractor engine and allow hydraulic system to reach operating temperature if cold.
3. Engage the tractor SCV to power the corresponding hydraulic functions of the Ag-Bagger.
4. Locate the bag boom control levers at the base of the bag boom.
5. Move the control levers for the boom to the corresponding direction for the desired boom movement.
6. Once in position, and when the bag boom is not in use, disengage the tractor SCV to reduce the load on the hydraulic system.

See Figure 25.

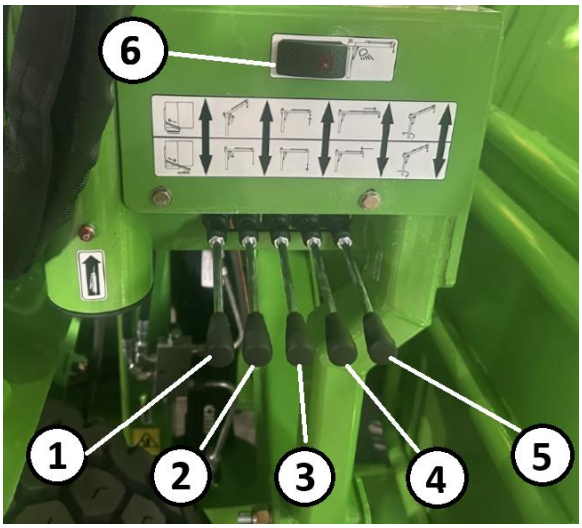


Figure 25. Bag Pan and Boom Control
Key 1 – Bag Pan In / Out
Key 2 – Bag Boom Up / Down
Key 3 – Bag Boom Winch Up / Down
Key 4 – Bag Boom In / Out
Key 5 – Bag Boom Swing Left / Right
Key 6-Bag Boom Light (when lights on)

Tunnel Extension Installation

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

The Ag-Bag cradle is used in a raised position to lift the extension from the storage location to be installed on the tunnel base. 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 26.

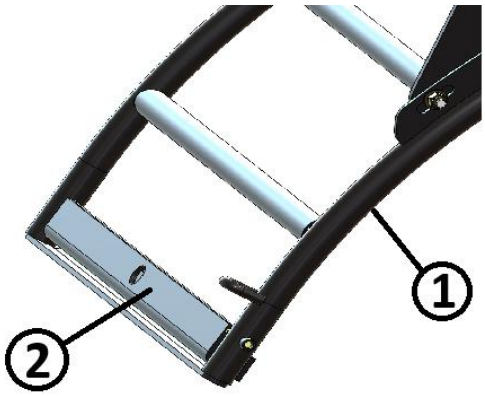


Figure 26. Cradle Hook
Key 1–Extension Key 2 - Hook

Once flipped, use the Ag-Bag hydraulic boom cable winch to take the weight of the extension. Remove the pins at the storage location. See Figure 27.

Raise the tunnel extension about 6” (150 mm). Swing the bag boom and tunnel around until the tunnel is in the approximate use location.

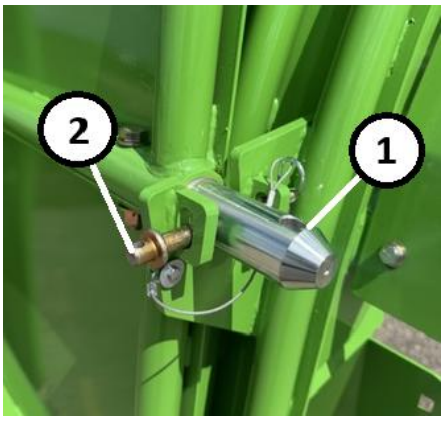


Figure 27. Tunnel Extension Pins
Key 1–Pin Key 2-Cross Pin

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.

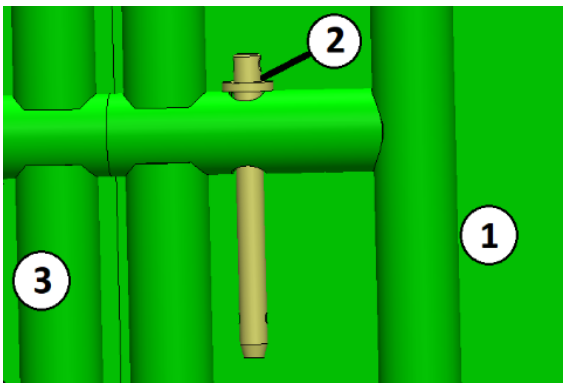


Figure 28. Pin Installation
Key 1–Tunnel Key 2–Pin Key 3-Ext.

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 28.

Brake Setup

Place the Ag-Bagger where the bag will begin. Refer to the Hitch Configuration and Adjustment section to ensure the hitch is in the correct position for moving the T9096 prior to moving.

IMPORTANT: The hitch support must be at the side of the feedtable and connected to the hitch extension for bagging. The hitch support must be between the hitch and main frame for moving the machine such as between Ag-Bags. Do not raise the feedtable beyond horizontal when the hitch support is connected to the feedtable. Do not turn sharp when the hitch support is connected to the feedtable. Failure to follow these instructions may result in machine damage.

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

There are two hand pumps, one for each end of the machine.

Each end of the machine has three brake calipers and a built-in accumulator to adjust to changes in temperature of the system while maintaining a relatively steady pressure.

Open the needle valves at the gauges.

Never use wrenches as part damage may result.

The lock ring should be loosened first by hand and can be backed off all the way to the knob and turned tight against the knob. It is not needed in this application.

Close the Pump Release at the base of the hand pump for each end. Pump the hand pump to pressurize the brake system to the appropriate starting pressure.

NOTE: The recommended starting pressure on flat, firm ground is shown below. If using the machine on soft ground or bagging uphill, reduce the starting pressure proportionally on each side. If bagging downhill (which is not recommended), increase the starting pressure proportionally. The tractor end of the T9096 should always be set approximately 400 psi lower than the far side of the machine due the resistance encountered in pushing the tractor forward while Ag-Bagging.

SPECIFICATION:
Starting Brake Pressure

Far Side	1200 psi (82 bar)
Tractor Side	800 psi (55 bar)

The accumulator in the system will take up small changes in volume as the system heats or cools depending. If the hand pump seems to be less effective at higher pressures during adjustment, it is likely due to the accumulator adjusting pressure simultaneously.

At each rear wheel on the T9096, there is one brake caliper. At each front tire, there are two brake calipers. This is due to the weight on each wheel during bagging operations. When under load, the pressure of the silage in the tunnel reduces the load on the rear wheels while increasing the load on the front wheels. Therefore, the front wheels can transmit more braking force to the ground when bagging than the rear wheels can.

The Needle Valves at the control manifold are provided to allow the operator to hold the pressure on each end of the machine as a backup to the valve in the hand pump, if desired.

At the beginning of the bag, it is important to hold as much backpressure as possible until the Ag-Bag end is filled. However, if the Ag-Bag pushes along the ground behind the machine as it fills, the brake pressure must be reduced to allow the Ag-Bagger to move forward.

See Figure 29 for location of the brake hand pumps.

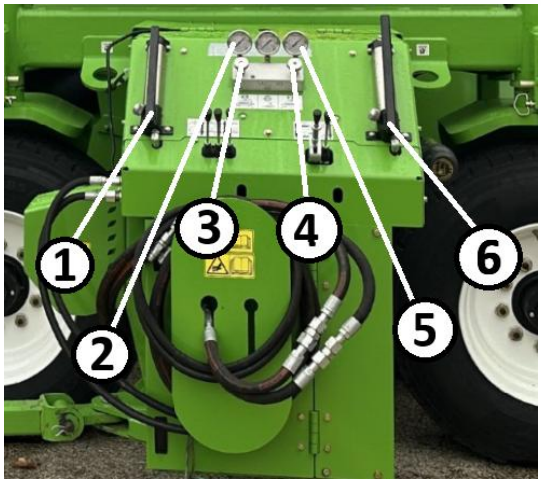


Figure 29. Hand Pump Locations
Key 1 – Tractor End Hand Pump
Key 2 – Tractor End Brake Pressure
Key 3 – Tractor End Hand Valve
Key 4 – Far End Hand Valve
Key 5 – Far End Brake Pressure
Key 6 – Far End Hand Pump
(main valves are located at base of hand pumps)

Anchor Plate

If bagging on wet ground, or in wet and fine-cut crop conditions, install <u>two</u> anchor plates at <u>each</u> of the anchors as shown in Figure 30. The plates are stored in the storage compartment when not in use. Use the three bolts to install the plates and tighten all hardware properly.

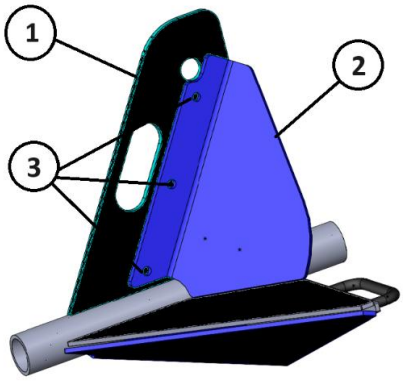


Figure 30. Anchor Plate Installation
Key 1 – Anchor Key 2 – Anchor Plate
Key 3 – Hardware Locations
(anchor plate is shown in blue for reference)

Anchor Setup

WARNING:
NEVER move the anchor position control cylinder or the tunnel cleanout while the anchors are in the storage position or when the tunnel cleanout is open. Machine damage and personal injury may result.

Note: For transport, the anchor position control is typically set to have the anchors set at 3-feet to 6-feet to allow slack in the system for storage for transport.

Make sure the tractor is in park, engine is off and key removed.

At the tunnel side of the machine, remove the lock pins holding the anchor supports and tip them down to bagging position. Reinstall the pins.

Set the anchors off the storage hooks on the ground behind the anchor supports.

Safely start the tractor, slowly engage the PTO, have the engine at low idle, and retract the anchor position control to the zero or “Home” position. This will pull the anchors to the top of the anchor supports.

Once the anchors are drawn to the top of the anchor supports (0 on scale), make sure the tractor is in park, shut off the engine and remove the key.

See Figures 31 through 34.

Always complete this step before closing the start end of the bag.

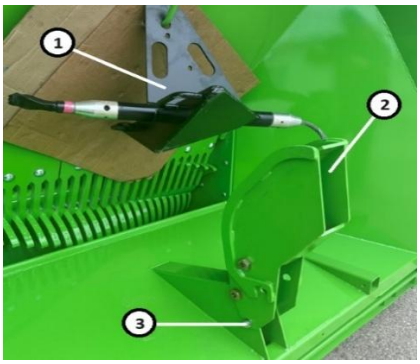


Figure 31. Anchor Storage Position
Key 1–Anchor Key 2–Support Key 3-Pin

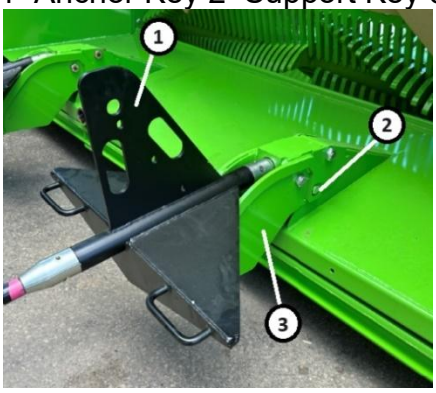


Figure 32. Anchor Bagging Position
Key 1–Anchor Key 2–Pin Key 3-Support

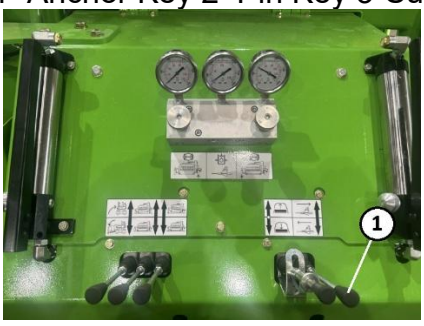


Figure 33. Anchor Position Control
Key 1 – Control

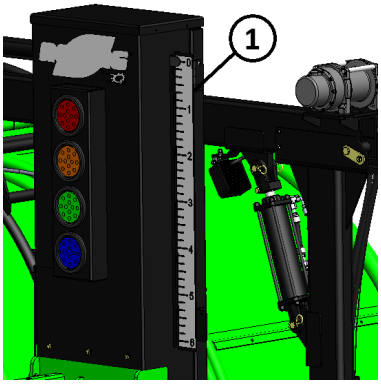


Figure 34. Indicator
Key 1 – Anchor Position Indicator

Bag Identification

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

The Ag-Bag size is indicated on the box. Verify the Ag-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 Ag-Bag placement. Refer to the *Performance Optimization* section of this manual.

See Figure 35.

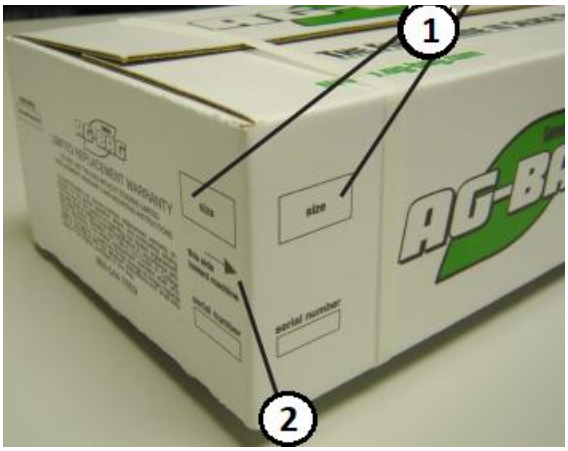


Figure 35. Ag-Bag Identification
Key 1 – Ag-Bag Size Key 2 - Direction

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 the best practices for installing an Ag-Bag. ALWAYS take care to prevent damage to the Ag-Bag.

The unit is equipped with a hydraulic bag pan that slides down and to the rear of the unit. To move the bag pan, properly engage the SCV of the tractor to activate hydraulic functions in the same manner as the bag boom. Move the appropriate lever to lower the bag pan. See Fig. 36.

Figure 36. Bag Pan Control
Key 1 – Bag Pan Control Lever

Open the gate of the bag pan by removing the lynch pin and pulling the spring-loaded pin to free the gate. Rotate the pin to retain it in retracted position. Repeat on opposite side. See Fig. 37.

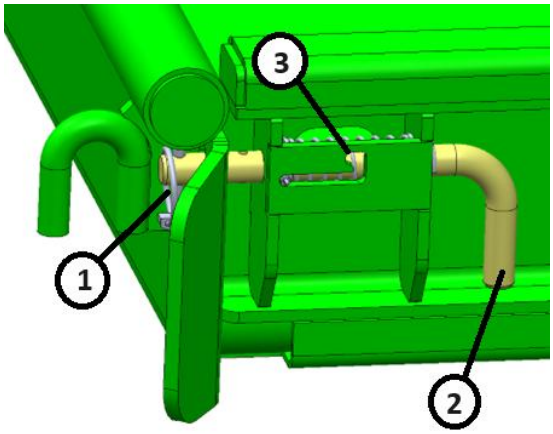


Figure 37. Bag Pan Gate
Key 1 – Lynch Pin Key 2 – Pin
Key 3 – Retention Slot

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

See Figure 38.

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 39.

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.

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.

See Figure 40.

Figure 38. Cradle Lowered to Ground

Figure 39. Ag-Bag Box
Key 1 – Arrow Location
Key 2 – Plastic Bands
Key 3 - Lid

Figure 40. Bag Installation on Cradle

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 41.

Engage 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.

Raise the bag pan to help draw the bag around the tunnel. Take care to not pinch the bag and to not cause any folds in the plastic stack in the bag pan. Pull both side of the bag to the outside to try to prevent any slack in 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 42.

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” (1m). 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: Use caution when moving Ag-Bags. Weight of Ag-Bags can be over 800 pounds (360 kg), depending on size of Ag-Bag.

Figure 41. Bungee Retaining String
(shown in final position for reference)
Key 1–Bag Cradle Key 2–Strings
(2 strings per side of bag cradle)

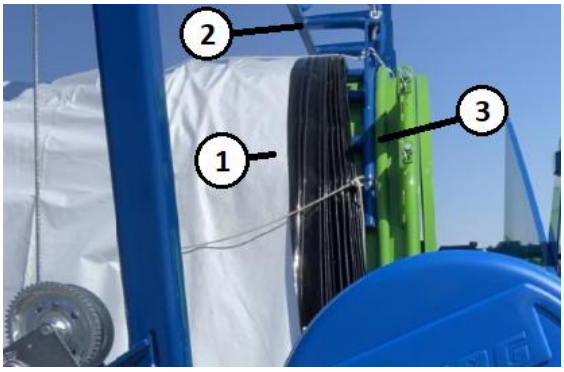


Figure 42. Cradle Rest Position
Key 1 – Bag Key 2 – Bag Cradle
Key 3 – Tunnel Pipes

Close the gate of the bag pan. Install the lynch pins at the pins. See Figure 43.

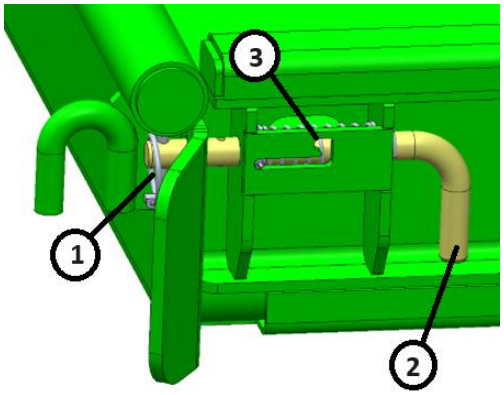


Figure 43. Bag Pan Gate
Key 1 – Lynch Pin Key 2 – Pin
Key 3 – Retention Slot

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.

The bag pan raised position is adjustable using the mounting bolts on the side of the bag pan at the lift mechanism.

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

SPECIFICATION:
Bag Pan Clearance to Tunnel Floor
(Raised position) 3/4 in. (19mm)

See Figures 44 and 45.

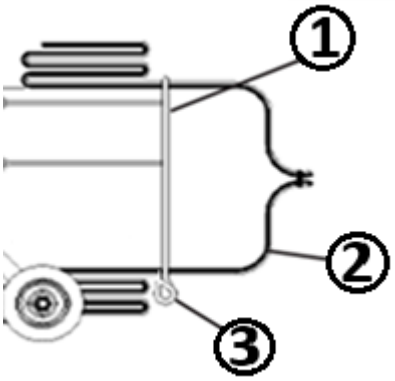


Figure 44. Proper Cord Arrangement
Key 1 – Tunnel
Key 2 – Ag-Bag Key 3 – Bungee Cord

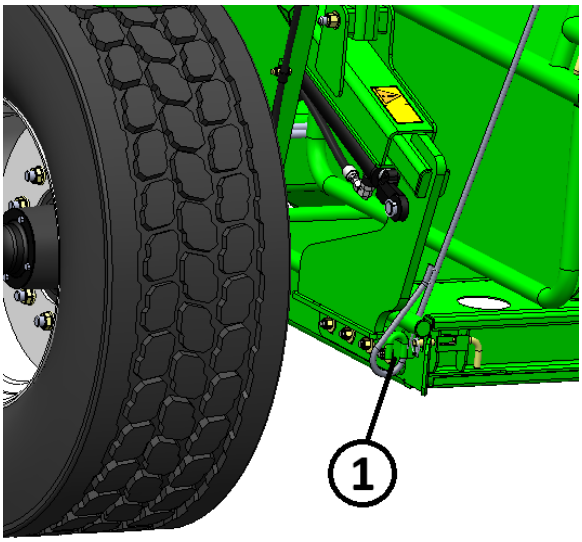


Figure 45. Bag Bungee Cord
Key 1 – Bag Pan Hook for Cord

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

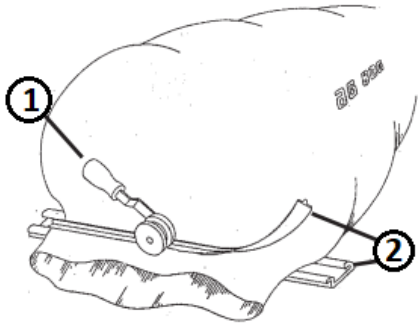


Figure 47. Master Seal Concept
Key 1 – Master Seal Tool
Key 2 – Master Seal

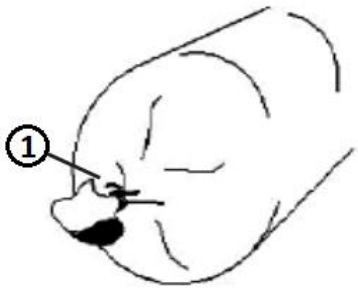


Figure 48. Start of Double-Knot Tie
Key 1 – First Tie

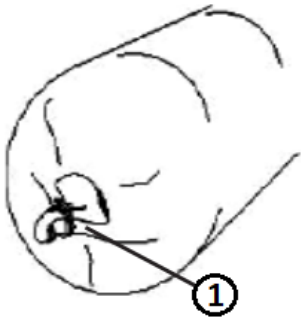


Figure 49. End of Double-Knot Tie
Key 1 – Fold Over and Second Tie

Setting the Bag

IMPORTANT:
Never reverse the tractor with the wheel brakes applied on the Ag-Bagger. Machine damage may result.

The machine should be in position for bagging. There are two ways to set the bag, depending on how the operator desires to place the end knot.

The most-common way is to have the knot be under the bag after bagging, for security reasons.

To do this, pull just enough plastic off the top of the tunnel to bring the knot near the ground. Keep the bottom plastic in the pan as much as possible.

Pull just enough plastic at the bottom so the bottom of the bag can touch the ground. Push any loose plastic in front of the bungee cord. See Figure 50.

The less-common alternative is to have the knot exposed after bagging.

For this alternative, the knot must be at the top of the tunnel and more plastic is pulled at the bottom.

In any case, only pull enough plastic to position the knot as desired and to have the bag reach the ground. Push any plastic not used forward to be in front of the bungee cord.

It is not advisable to have any extra plastic behind the tunnel because it will only create an area of unpacked material at the start of the bag.

Figure 50. Setting the Bag

Verify Brake Pressure

To start the bag, wheel brake pressure should be maximized for the ground conditions. The maximum pressure of the system is approximately 1950 psi.

IMPORTANT:
If the tires slip on the bagging surface, the pressure for that wheel(s) must be reduced immediately such that the tire will rotate under load without slipping. The other side of the machine should be lowered by a proportional amount to keep an even load on the machine. Anchors can be adjusted to increase or decrease bagging load as well.

IMPORTANT:
If a tire falls into a hole, the bagger may turn until the tire is able to roll out of the hole, no matter which way the tractor is facing. It is important to fill in voids in the bagging surface and to always monitor the tires.

If the tires slip, resistance is immediately lost and it can result in poor performance inside the bag.

If tires are on different types of surfaces, the brakes can be adjusted independently.

If a soft spot, reduce the brake pressure until the condition is cleared. Keep silage that spills from the conveyor away from the tire.

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 51.

SPECIFICATION:
Starting Brake Pressure

Far Side	1200 psi (82 bar)
Tractor Side	800 psi (55 bar)

NOTE:
The braking system uses two accumulators 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 previous models without accumulators.

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

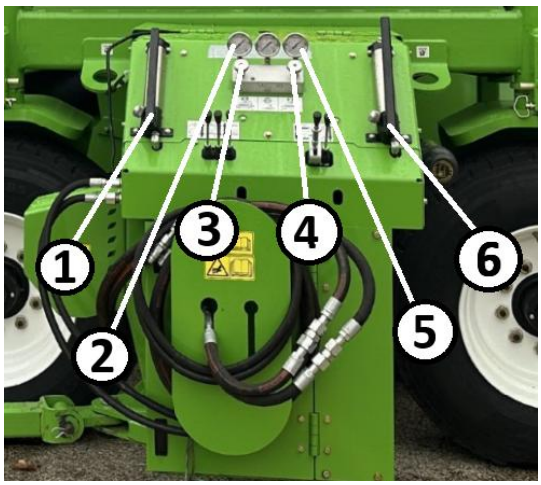


Figure 51. Hand Pump Locations
Key 1 – Tractor End Hand Pump
Key 2 – Tractor End Brake Pressure
Key 3 – Tractor End Hand Valve
Key 4 – Far End Hand Valve
Key 5 – Far End Brake Pressure
Key 6 – Far End Hand Pump
(main valves are located at base of hand pumps)

Verifying Tunnel Cleanout Closed

IMPORTANT:
Always ensure that the cleanout door is closed prior to any Ag-Bagging operation.

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 and that the lock collar re-engages at the neutral position.

See Figure 52.

The tunnel cleanout has an indicator that is visible from the operator station, above the rotor.

Visually check to ensure the stripper plate is against the frame and near the rotor after closing.

Stay clear of the machine when the tractor is running.

See Figure 53.

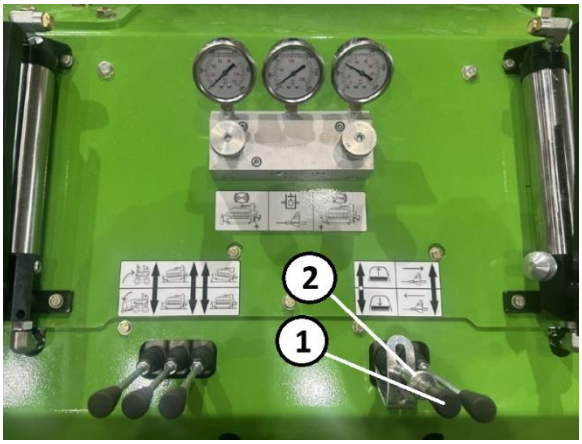


Figure 52. Tunnel Cleanout Lever
Key 1 – Lever Key 2 – Safety Collar

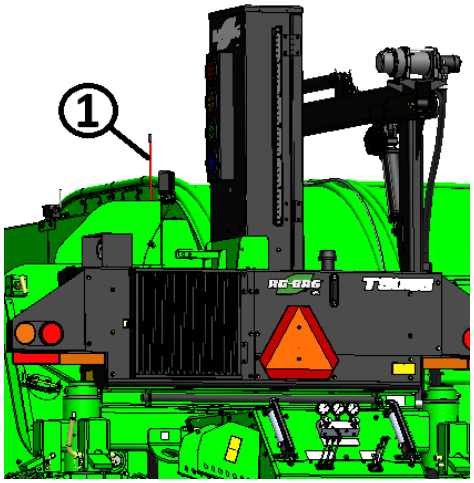


Figure 53. Cleanout Visual Indicator
Key 1 – Indicator

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 on how to communicate with the Ag-Bagger operator.

Safely engage the tractor PTO and start the Ag-Bagger. Place the tractor in neutral, release the tractor brakes, and have the wheels directed straight ahead.

Note: The wheel brakes of the Ag-Bagger should be set and will hold the machine in place on a flat surface. If the machine moves in neutral, take corrective action to prevent movement before using the machine.

IMPORTANT: Only operate the PTO at rated speed. Do not overspeed.

From the tractor, start the feedtable using the tractor SCV. The operator controls the flow and load on the machine by controlling the feedtable speed.

Begin unloading product onto the feedtable. The operator of the unloading equipment should monitor the feedtable and lights such that it is unloading in the center of the feedtable and not spilling to the ground. Unloading equipment should be run accordingly.

It is required to have an operator in the tractor seat and always maintain operations.

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

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

IMPORTANT: Be sure to turn off the inoculant applicator each time the feedtable is stopped.

Unload Indicator Lights

Four lights are provided at the front of the anchor position control tower for communication with the cart/trailer unload operator during Ag-Bagging. The Ag-Bagger operator can manually control these lights from the cab control panel to communicate requested operations to the unloading operator. The following are a general set of recommendations for light meaning, but the Ag-Bagger operator must communicate all light meanings to unloading operators prior to starting the Ag-Bagging operation. See Figure 54.

Green Solid: Pull Forward
Green Blinking: Back Up
Amber: Operator Not In Cab
Red: Stop Driving
Blue: Unload On
Amber and Red: All stop – No Operator
All Lights: All Stop – Shut off engine

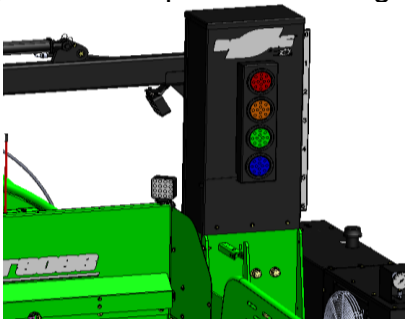


Figure 54. Unload Indicator Lights

Anchor Position Control

The anchors of the machine are controlled by hydraulic cylinder and hand valve, to allow the anchors to move out under load to the rear of the machine but drag through the silage during Ag-Bagging operations. When the anchors are completely retracted, they are in the "Home" position.

At the start of an Ag-Bag, keep the anchors at the home position until the back of the Ag-Bag has crop pushing it rearward and is completely in contact with the ground. This will likely be after approximately half of a load has been through the machine.

The operator can also wait until after the first load is in the Ag-Bag if desired.

It is best to set the anchor position to the desired level in one step. There is no advantage to leaving the anchors out slowly at the start of the Ag-Bag.

Note: The scale indicates how many feet of cable are let out with the anchor at that position.

Typically, the further out the anchors are set, the greater the drag, resulting in more Ag-Bagging pressure. The control will allow the anchors to move further back, but they may not physically move until the machine begins to advance.

With the 12' tunnel, the highest load on the machine is typically found at 5 to 5.5 feet. With a 10' tunnel, it is typically found at 4.5 to 5 feet. If the anchor is let out further than this, the effectiveness may drop due to the anchor being too far behind the tunnel.

See Figures 55 and 56.

Once the Ag-Bag is started in this manner, set the anchor position control for the anchors as follows:

12' Tunnel Starting Settings

Alfalfa and Grasses:	Position 4
Corn silage:	Position 5
High Moisture Corn:	Position 4

10' Tunnel Settings

Alfalfa and Grasses:	Position 3
Corn silage:	Position 4.5
High Moisture Corn:	Position 3

If on a soft surface where wheel brakes are not as helpful, set the position to 5

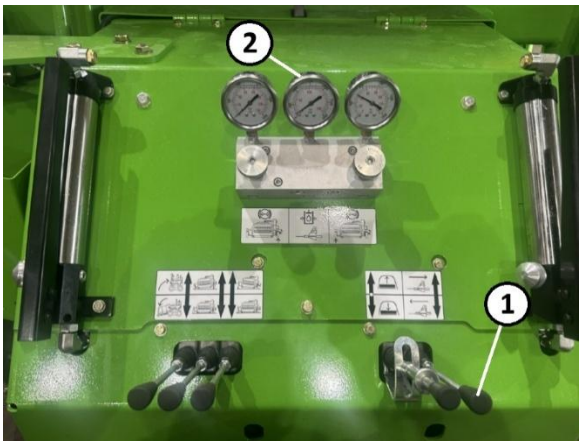


Figure 55. Anchor Position Control
Key 1 – Anchor Control Lever
Key 2 – Anchor Cylinder Pressure

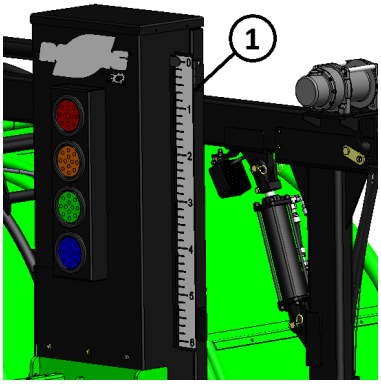


Figure 56. Indicator
Key 1 – Anchor Position Indicator

As the Ag-Bag fills, monitor the Stretch Bars of the Ag-Bag and the Ground-to-Ground Measurement. Do not exceed the Ag-Bag manufacturer's recommendations.

If stretch marks are greater than recommended, reduce wheel brake pressure incrementally first, or move the anchors in.

If operating on a wet or slippery surface, adjust the brake pressure to maximize the braking effort and adjust the anchor position out to increase the resistance.

The further out the anchors are placed, typically results in higher resistance for bagging.

The pressure gauge for the anchors, at the middle of the gauges at the operator controls, will indicate how much work is being done by the anchor system.

When anchors are moved, it will take approximately 30 seconds to a minute of unloading for the system to stabilize to give an accurate reading, due to the check valves on the anchor cylinder.

In alfalfa and grasses, the anchors should typically see 1000 to 1300 psi.

In corn silage, the anchors should typically see 800 to 1000 psi.

However, conditions can play a factor in how much work the anchors will do

See Figures 57 through 59.

Figure 57. Ag-Bag Side
Key 1 – Stretch Bars

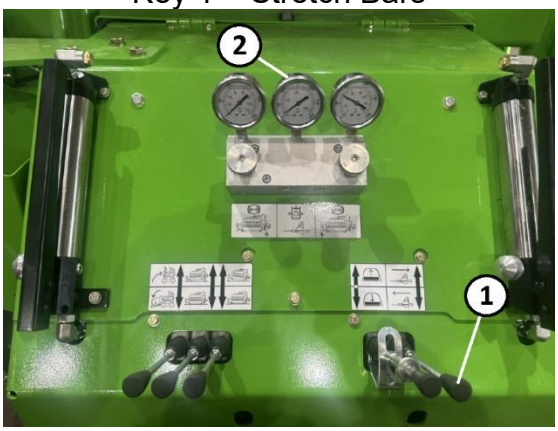
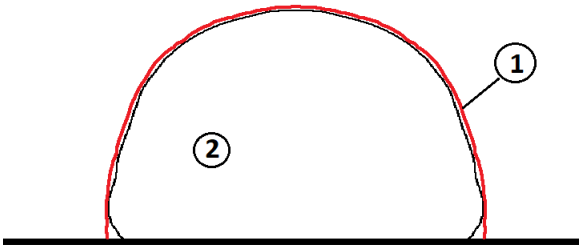


Figure 58. Anchor Position Control
Key 1 – Anchor Control Lever
Key 2 – Anchor Cylinder Pressure



Key 59 Ground-to-Ground Measurement
Key 1 – Measurement Location
Key 2 – Ag-Bag

Inoculant Operation

An optional inoculant system is available from the factory. The wire harness is pre-wired for the inoculant system.

A switch to turn the inoculant system on/off is located on the control panel in the tractor cab. See Figure 60.

Feedtable Belt Speed Control
The speed of the feedtable controls the feed rate of the machine and should be adjusted to not overload the tractor at peak bagging load.

Use the tractor SCV to control the speed of the feedtable belt. Increase flow at the SCV to increase speed. Decrease flow at the SCV to decrease speed.

The feedtable belt can be reversed for a short time if needed to reduce the load on the rotor or to clear the area around the end of the feedtable by the forage dam.

Remember to keep the feedtable pulled in tight with the forage dam against the main frame. See *Forage Dam Adjustment* in the *Adjustments* section for more information.

The feedtable speed can also be adjusted for a maximum speed that will not overwhelm the tractor for power. Simply adjust the max setting when the feedtable is fullest to match it to the power available from the tractor and keep this setting in place to prevent overload during operation.

Beater Rotation Direction
The upper beater direction is controllable from the operator station of the tractor with the selector switch for direction. Different conditions may require a different direction depending on crop flow. In some conditions, the upper beater can be turned off as well. Use the switch to select beater direction or to turn off the upper beater.

IMPORTANT: When changing directions, pause in the off position and allow the beater to come to a rest before changing direction. Failure to do so may result in machine damage.

Note: PTO must be running for beater to operate. The lower beater is driven mechanically by the rotor.

Camera Operation
A camera option is available to broadcast video from the center of the machine above the rotor. The monitor can be wired in the tractor, or in the cab of the cart / wagon / trailer. Additional monitors are available from the factory.

The wire harness is pre-wired for the camera and mounting holes are provided for the camera. The camera receives power whenever the control box in the cab of the tractor is powered on.

Lighting Operation
The T9096 is equipped with lighting for use in dark environments. The switch on the cab control panel powers all lights and there is a boom light that has a separate switch such that it can be turned on and off independently of the other lights. See Figures 60 and 61.

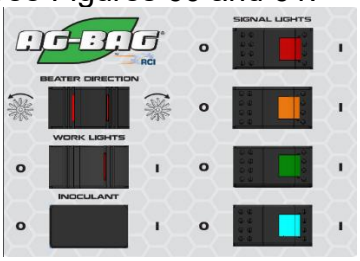


Figure 60. Cab Control Panel

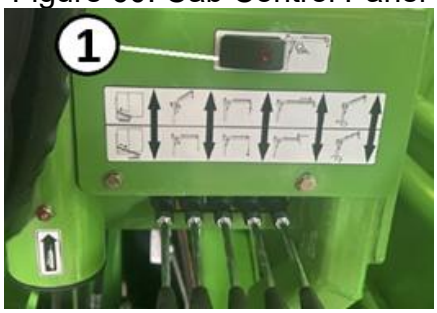


Figure 61. Bag Boom Light Switch
Key 1 – Light Switch

Sweeping Tunnel Cleanout Operation

To operate the Sweeping Tunnel Cleanout, it is important to remember to prepare for operation during the last load in the Ag-Bag.

1. Half-way through the last load, pull the anchors to the home position. See Figures 62 and 63.

2. At the very end of the load, with a few tons for silage remaining, safely and slowly release the wheel brakes. See Figure 66

3. Resume bagging and finish the bag.

4. Once the load is complete, empty and turn off the feedtable.

5. Release the anchor position control to at least 4 on the scale. This limits the resistance on the cleanout.

6. Lower the engine speed to low idle.

7. Lift the safety collar and push the lever to the tunnel cleanout open position and lock it into position. See Figure 64.

8. 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).

9. Put the tractor in park and keep at low idle.

10. Lift the safety collar at the lever and pull the lever back to the neutral position. See Figure 64.

11. Activate the anchor position control to pull the anchors to the home position on the indicator. This is done with the cleanout in the open position such that all forage will press over and around the anchors and fall into the Ag-Bag. See Figure 64.

12. Once the anchors are at the home position, return to the tractor and carefully pull the machine ahead approximately 3 feet (1 m). Place the tractor in Park. It is recommended to maintain an operator in the tractor seat at this stage to run the brakes if on a slope.

13. Return to the cleanout controls and run the cleanout fully in and out at least 3 times. On the final operation, move it fully to the closed position to prepare for the next Ag-Bag. This helps to release any stuck material between the anchors and the tunnel into the Ag-Bag.

14. Keep the anchors in the Home position if starting another Ag-Bag. If the unit will be changed for transport, let the anchors out to Position 5 so the anchors can be pulled out for transport.

15. Return to the tractor and turn off the PTO. Carefully and slowly drive the tractor forward until the Ag-Bag pulls off the tunnel or enough plastic is exposed to be able to seal the bag, and then cut the plastic as needed.

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

Note: The position of the tunnel cleanout can be observed by the indicator above the tunnel. See Figure 65.

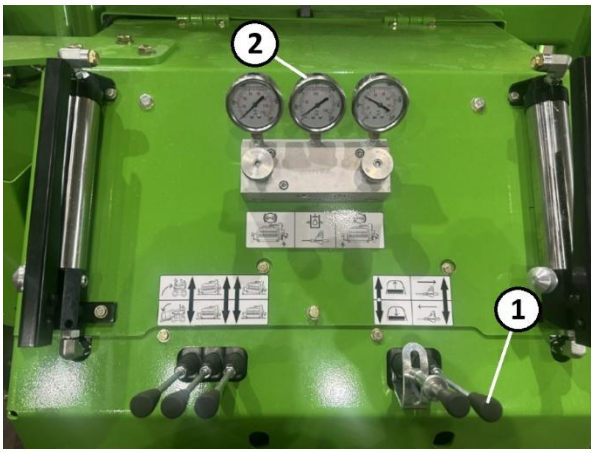


Figure 62. Anchor Position Control
Key 1 – Anchor Control Lever
Key 2 – Anchor Cylinder Pressure

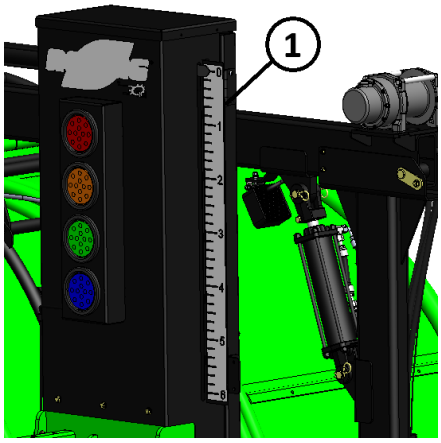


Figure 63. Indicator
Key 1 – Anchor Position Indicator

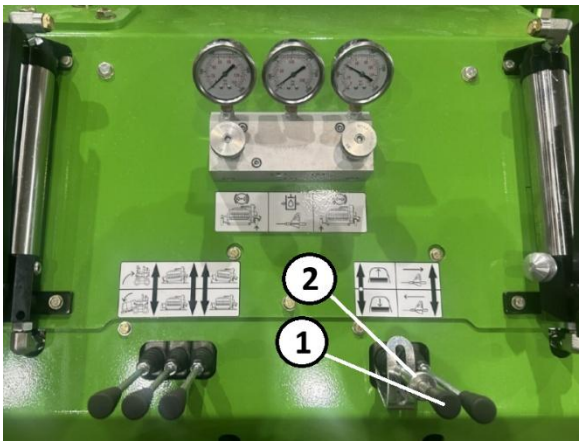


Figure 64. Tunnel Cleanout Lever
Key 1 – Lever Key 2 – Safety Collar

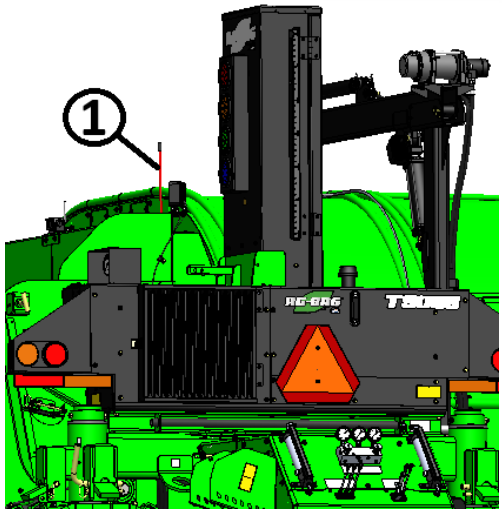


Figure 65. Cleanout Visual Indicator
Key 1 – Indicator

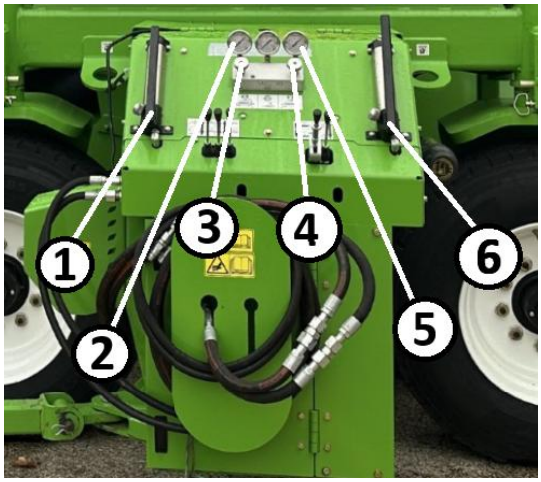


Figure 66. Hand Pump Locations
Key 1 – Tractor End Hand Pump
Key 2 – Tractor End Brake Pressure
Key 3 – Tractor End Hand Valve
Key 4 – Far End Hand Valve
Key 5 – Far End Brake Pressure
Key 6 – Far End Hand Pump
(main valves are located at base of hand pumps)

Removing the Ag-Bag from the Ag-Bagger

Once the Ag-Bag is 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 Ag-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 weighed down to prevent damage. When doing so, DO NOT use material that will be abrasive or sharp against the Ag-Bag material.

See Figures 67 through 70.

Moving the Ag-Bagger

Before moving the Ag-Bagger, either for the next bag or for transport, the hitch brace from the feedtable must be removed at the feedtable and moved to the main frame and hitch.

IMPORTANT: Moving the T9096 to a new location with the feedtable down and the support attached to the feedtable may result in machine damage.

Figure 67. End of Ag-Bagging

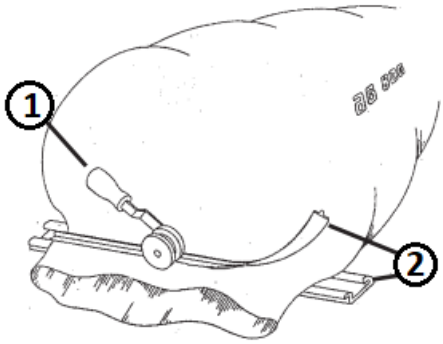


Figure 68. Master Seal Concept
Key 1 – Master Seal Tool
Key 2 – Master Seal

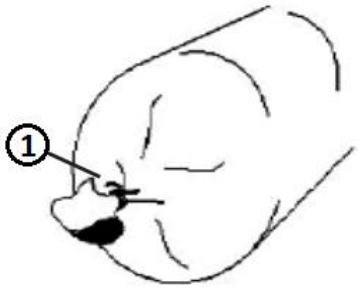


Figure 69. Start of Double-Knot Tie
Key 1 – First Tie

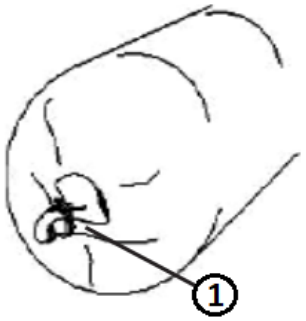


Figure 70. End of Double-Knot Tie
Key 1 – Fold Over and Second Tie

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 71.

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 72.

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 73.

Assemble the valve lid onto the threaded portion.

Turn the lid counterclockwise and tighten securely. See Figure 74.

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 71. Vent Valve Components

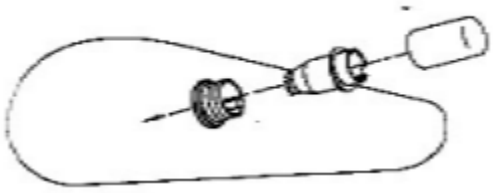


Figure 72. Valve Preparation

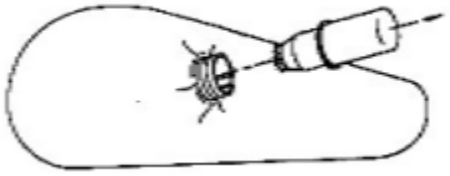


Figure 73. Hole Cutting

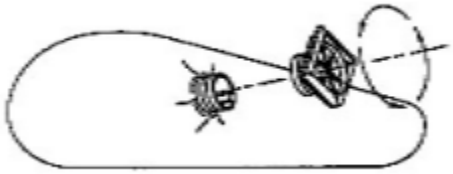


Figure 74. Lid Installation

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.

DANGER:
When an Ag-Bag is gassing, stay away from the area and keep others away until gassing is complete and Ag-Bag deflates air. Failure to do so may result in serious injury or death from dangerous chemicals.

Raising Feedtable for Transport

The feedtable needs to be raised and locked in transport position.

Ensure the area is clear of obstructions and bystanders.

With the tractor in park, engine off and key removed, fold in the sides of the feedtable and lock for transport. See Figure 75.

Engage the transport lock with the spring mechanism. See Figure 76.

Safely start the tractor, keep the tractor in park, and start the SCV for hydraulic functions.

Go to the T9096 Operator Station and use the lever to raise the feedtable until the locking mechanism engages. See Figure 77.

Figure 75. Wing Latches
Key 1 – Transport Latch
Key 2 – Ag-Bagging Latch

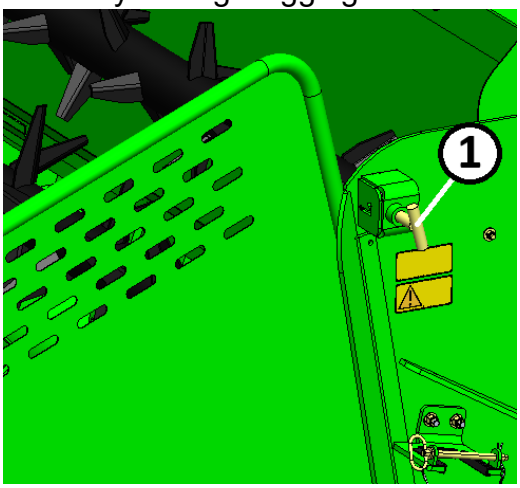


Figure 76. Feedtable Lock Location
Key 1 – Lock Handle

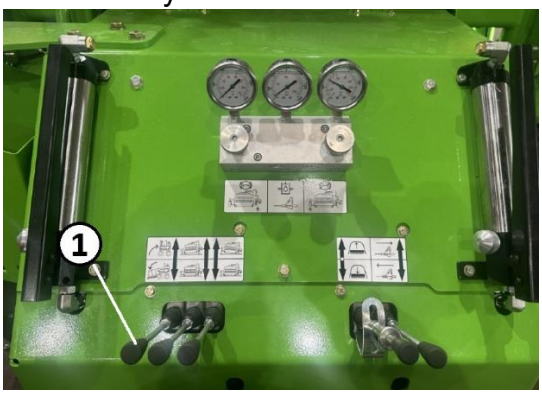


Figure 77. Operator Station
Key 1 – Feedtable Raise/Lower Control

Moving Wheels to Transport Position

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.

WARNING: Never move the wheels while the machine is in motion. Always park on level ground with the parking brake set and hitch attached before repositioning wheels. Ensure all personnel are clear of the wheel pivot and jack stand area before moving wheels. The wheels must be in transport position before transporting the machine when the towing vehicle is connected in the transport position. Operating with wheels in bagging position may result in machine damage and injury.

Park the machine on firm, level ground. Shut off the tractor engine and remove the key.

1. Verify the tractor parking brake is set and the machine is stable.

2. Starting with one wheel, locate the wheel position lock mechanisms. These lock the wheel in either transport or bagging position.

3. Pull the clip from the lock pin and remove from the engaged lock and raise the lock. Reinstall the pin and clip in the upper hole to retain the lock in the disengaged position.

4. Repeat at all three other wheels.

5. Locate the hydraulic control levers for both jack stands on at the operator station.

6. Start the tractor engine and engage the hydraulic SCV controls to raise one end of the machine.

7. At the raised end of the machine, rotate one wheel 90 degrees to the transport position. Take care to rotate the tire slowly in the proper direction to avoid damage to components, and in the direction of the shortest distance for the slot to engage the other lock mechanism.

8. At the other lock that aligns with the slot in the wheel drop, pull the clip from the lock pin and remove from the disengaged lock and lower the lock. Reinstall the pin and clip in the lower hole to retain the lock in the engaged position.

9. Repeat the process at the other raised wheel.

10. Return to the T9096 operator station and lower the end of the machine and raise the jack stand fully.

11. Use the other hydraulic valve to raise the other end of the machine until the tires are off the ground.

12. At the raised end of the machine, rotate one wheel 90 degrees to the Ag-Bagging position. Take care to rotate the wheel drop slowly in the proper direction to avoid damage to

components, and in the direction of the shortest distance for the slot to engage the other lock mechanism.

13. At the other lock that aligns with the slot in the wheel drop, pull the clip from the lock pin and remove from the disengaged lock and lower the lock. Reinstall the pin and clip in the lower hole to retain the lock in the engaged position.

14. Repeat the process at the other raised wheel.
15. Return to the operator station and lower the end of the machine and raise the jack stand fully.

16. Return to the tractor, disengage the hydraulics, turn off the engine and remove the key.

See Figures 78 and 79.

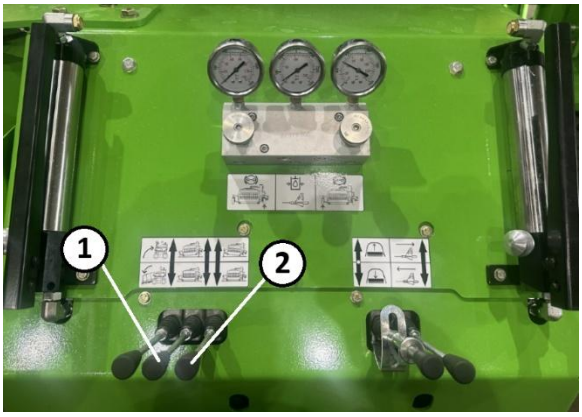


Figure 78. Operator Station
Key 1 – Tractor End Hydraulic Jack
Key 2 – Far End Hydraulic Jack

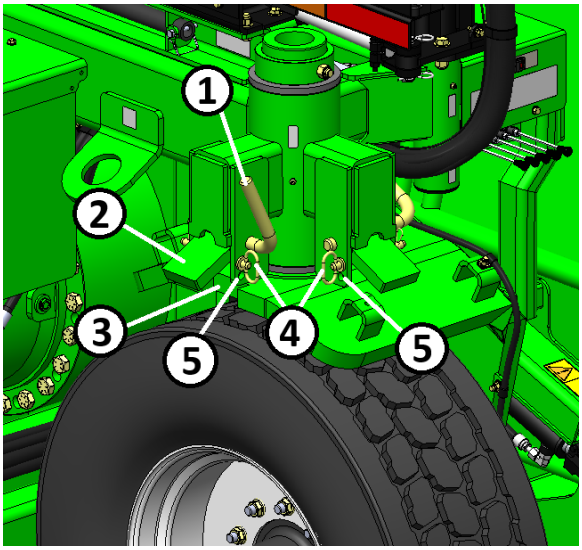


Figure 79. Wheel Locks
Key 1 – Lever Key 2 – Lock
Key 3 – Lock Notch
Key 4-Pin and Clip and Upper Hole (up)
Key 5 – Lower Hole (down)

Tunnel Storage

The tunnel extension is stored above the main tunnel for transport. It is recommended to use the help of an assistant for this operation.

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

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 Figure 80.

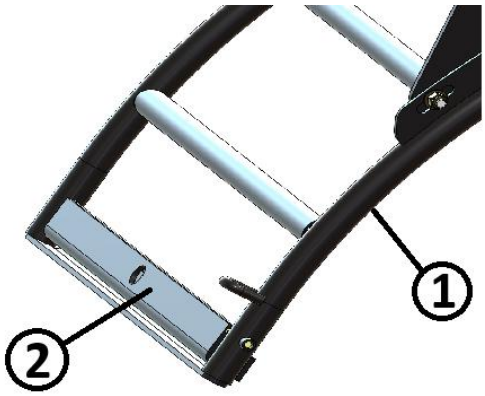


Figure 80. Cradle Hook
Key 1–Extension Key 2 - Hook

Once flipped, use the Ag-Bag hydraulic boom cable winch to take the weight of the extension. Remove the pins at the mounting location and swing the extension away from the tunnel.

Raise the tunnel extension approximately 6” (150 mm). Swing the bag boom and tunnel around until the tunnel is in the storage location. See Figure 81.

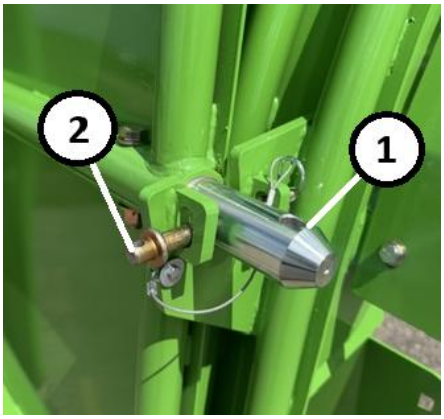


Figure 81. Tunnel Extension Pins
Key 1–Pin Key 2-Cross Pin

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 82.

Secure the bungee cord to the hooks at the corner of the bag pan for transport.

The bag boom should be adjusted down over the top of the bag cradle for transport as needed. An alternative is to use ratchet straps to secure the cradle to the machine to prevent it from moving during transport.

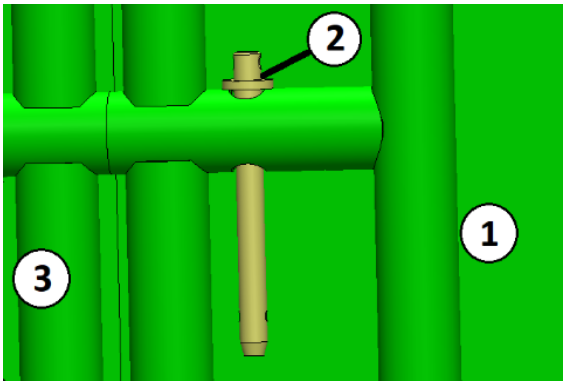


Figure 82. Pin Installation
Key 1–Tunnel Key 2–Pin Key 3-Ext.

Hitch Configuration and Adjustment – Transport

The Ag-Bagger must be adjusted at the hitch to be properly configured for the towing vehicle. Failure to install all components properly may result in machine damage.

To change to Transport Configuration:

1. With the tractor and Ag-Bagger on level ground with the engine off, parking brake set, and all hydraulic pressure relieved, set the brakes of the T9096 to prevent inadvertent movement. See *Brake Setup* section of this manual for explanation of controls.

2. Remove all hydraulic hoses from the tractor and store in the storage area at the T9096 Operator Station.

3. Disconnect and remove the electrical connection at the back of the tractor and store the harness at the storage box.

4. Remove the PTO from the tractor and raise to it's storage position. Secure the PTO with the retaining pin and clip.

5. Disconnect the hitch support from the main hitch, but keep connected to the main frame at the side of the feedtable.

6. Move the hitch support to a raised position and secure in the mount at the side of the rotor housing.

7. Remove the hitch from the hitch extension on the tractor drawbar. Raise it to its stored position above the gearbox and secure with the provided chain.

8. The hitch extension can remain on the tractor if the same tractor will be connected to the T9096 again. Otherwise it can be removed and placed in the storage compartment along with the control box from the cab.

9. At the transport end of the machine, remove the pin and clip and extend the lower hitch tube (pintle hitch) out for transport.

10. Reinstall the pin and clip in the frame for the lower hitch tube.

11. Remove the pins from the hitch support in the storage location.

12. Remove the hitch support and install it above the lower hitch tube.

13. Install the pins and clips in the hitch support.

14. Attach the towing vehicle to the hitch.

Note: An SCV can be used with the hoses (from the operator station end) installed at the towing end of the machine, if needed.

15. Attach the lighting connection to the towing vehicle.

16. Release the brakes fully before towing the T9096, and only when the machine is secured properly to the towing vehicle.

See Figures 83 through 87.

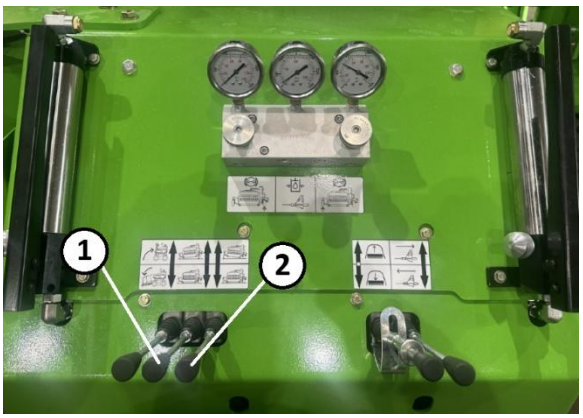


Figure 83. Operator Station
Key 1 – Tractor End Hydraulic Jack
Key 2 – Far End Hydraulic Jack

Figure 84. Hitch and PTO Storage
Key 1 – Hitch Brace Storage
Key 2 – Lock Bracket, Pin and Clip
Key 3 – Hitch Key 4 – PTO
(PTO stored vertically – reference only)

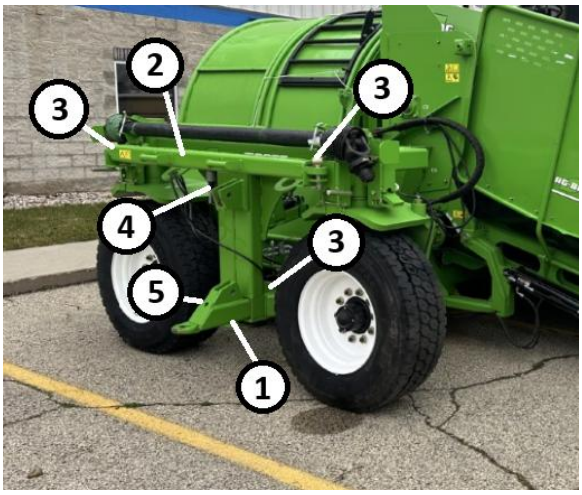


Figure 85. Retracted Transport Hitch
Key 1 – Hitch Key 2 – Brace
Key 3 – Pin + Clip Key 4 – Harness
Key 5 – Safety Chain

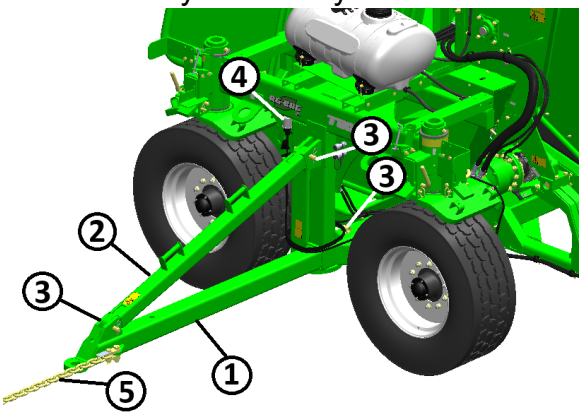


Figure 86. Transport Hitch
Key 1 – Hitch Key 2 – Brace
Key 3 – Pin + Clip Key 4 – Harness
Key 5 – Safety Chain

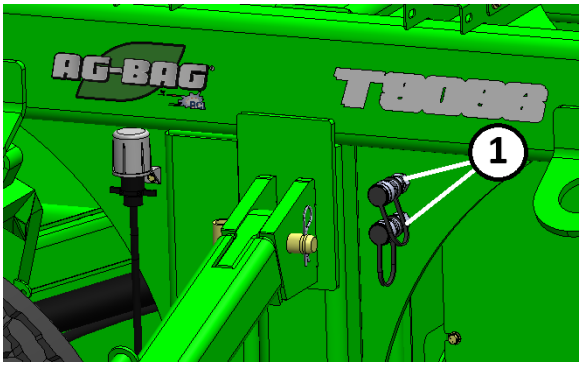


Figure 87. Hydraulic Coupler Location
Key 1 - Couplers

Tractor Hitch Configuration and Hitch

IMPORTANT: The pintle hitch downforce of the T9096 is approximately 12,000 lbs (5,440 kg). The overall weight is approximately 29,000 lbs (13,150 kg). Be sure to size the towing vehicle accordingly.

The optional Tractor Hitch can be installed on the tractor 3-point for towing the T9096.

When using the tractor hitch, be sure to:

1. Use the safety chain at all times.
2. Always inspect the hitch of the T9096 and tractor prior to towing.
3. Check the brakes of the T9096 to ensure they are released.
4. Check that the transport lights are properly connected and operational.
5. Always keep transport speeds under 25 mph (40 kph).
6. Properly ballast the towing vehicle for the load from the T9096.
7. When used, properly install the 3-point frame on the tractor and secure using proper hardware and safety pins.
8. Allow for safe distances for braking with the towing vehicle.
9. Slow down for rough roads, uneven terrain and any slopes.
10. Set the wheel brakes of the T9096 properly before disconnecting the tractor.

See Figures 88 and 89.

Figure 88. Tractor Hitch Configuration

Figure 89. Truck Towing Configuration

Transporting the Ag-Bagger

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

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, bag pan, bungee cord, hitch, hitch support, and PTO.

Verify the feedtable is in the raised position and the transport lock pin is fully engaged. See Figure 90.

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 91.

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

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

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

For narrow transport, the tunnel extension must all be installed on top of the tunnel in storage.

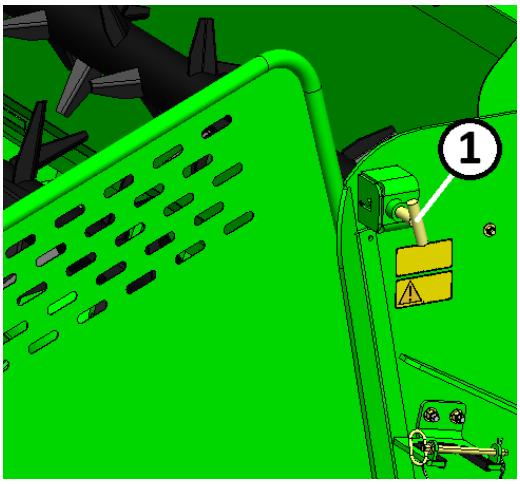


Figure 90. Feedtable Lock Location
Key 1 – Lock Handle

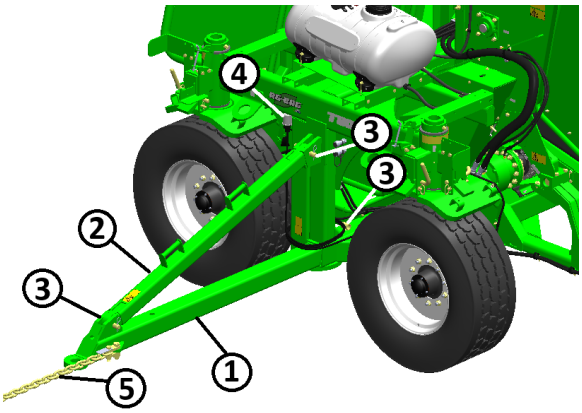


Figure 91. Transport Hitch
Key 1 – Hitch Key 2 – Brace
Key 3 – Pin + Clip Key 4 – Harness
Key 5 – Safety Chain

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.

Hitch Position

The hitch of the T9096, when in bagging mode, must be adjusted to keep the angle of the PTO shaft minimized while keeping the spacing of the inside tractor tire to the feedtable.

The extender hitch on the tractor hitch must also be attached to the feedtable when bagging and to the main frame when moving the unit.

NOTE: The hitch support, when attached to the feedtable, keeps the Ag-Bagger aligned with the tractor for ease of bagging. It also prevents the feedtable from contacting the tractor wheel.

Set the distance from the tractor tire to the feedtable to be at least 6” (15 cm) and no more than 18” (45 cm) (from the feedtable to prevent contact when bagging. Try to minimize the angle of the driveline to increase service life of the PTO shaft. Use the pins in the hitch support to set the length of the support for proper tractor alignment to the Ag-Bagger.

Tractor Setup

The proper tractor size and configuration is essential to performance. Select the proper tractor 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.

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

<u>Maturity</u>
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.

<u>Product Moisture</u>
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 rotor pan. This excessive liquid is acceptable unless the Ag-Bag is outside the recommended shape.

Slowly release the brake pressure or pull anchors in 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.

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 Ag-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.

Use the anchors and wheel brakes to control the resistance on the machine when bagging.

Less resistance is required when:

a. Ag-Bagging uphill
b. Ag-Bagging with a large tractor due to weight and resistance to roll
c. Ag-Bagging in muddy or soft, sandy soils due to drag
d. Ag-Bagging extremely wet product, above 75% moisture
e. Ag-Bagging dry grains, which make a flatter Ag-Bag. The product going into the Ag-Bag will not always reach the top of the tunnel.
f. 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 stretching at a minimum due to the product swelling.

More brake pressure is required when:

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

- 21 feet (6.4 m) for 10-foot Ag-Bags
- 23 feet (7.0 m) for 12-foot Ag-Bags

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

While Ag-Bagging, when the lighter side touches the ground, increase the anchor

position out or increase wheel brake pressure.

If the nut comes off the ground more than 3 inches (7.5 cm), reduce the anchor position in or reduce the braking 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 in the same manner as the beginning end of the Ag-Bag or 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.

Part Number	Description
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 in the same manner as the beginning end of the AG-Bag or 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.

If hail is encountered during storage, seal any holes as quickly as possible. Use the tape that is supplied with each Ag-Bag to quickly seal the holes and keep the oxygen from getting into the Ag-Bag.

If the holes are numerous, contact a local wrecker or tow-truck company and ask for a roll of “sealing plastic”. These companies use a roll of plastic that is usually 36” or 48” wide and a few hundred feet long with adhesive on one side to contain windows and contents in auto accidents. This plastic can be invaluable sealing many holes in a hail-damage situation.

Regarding the choosing of a site to store Ag-Bags, remember that just because crops don’t grow on the wet spot in the corner of the field closest to the farm, it does not mean that the crops should be stored there.

Ag-Bag Shape

Haylage and Corn Silage Ag-Bag Shape
Apply enough anchor position and wheel 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)

Bag Size	Feet/Day	Tons/Day
10 ft.	2 ft.	3
12 ft.	2 ft.	4

Summer Rates (May through Sept.)

Bag Size	Feet/Day	Tons/Day
10 ft.	2-1/2 ft.	4
12 ft.	3 ft.	6

Capacity of Tons per Running Foot of Ag-Bag

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

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

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.

Feedtable Belt Tension and Tracking

The feedtable belt tracking is guided by internal guides along with proper adjustment of the rollers.

After the feedtable has been lowered, set up and before operating, the feedtable belt tension and tracking should be checked.

If the feed table belt slips or does not track straight (wear visible on one side or the other), adjustment is required.

IMPORTANT: Do not overtighten the feedtable belt. Failure to do so may result in belt damage and premature wear of roller bearings.

Adjust the feedtable belt tracking as follows:

1. Lower the feedtable to the ground.
2. Loosen the adjustment bolt lock nut.
3. Tighten the adjustment bolt to push the belt away from the side being tightened.
4. Tighten the locknut when complete.
5. Adjust the belt to track straight in the feedtable.
6. If the belt does not run straight, adjust either side as needed until the belt runs straight.
7. Tighten locknuts on each side when complete.

Note: At the drive roller, towards the tractor side, there is an adjustment for the drive roller angle to allow for the roller to be tapered in for changing of the belt. The drive roller must always be square to the feedtable frame for the belt to track straight. This should only need to be adjusted when changing the belt or rollers.

To adjust the belt tension, adjust the feedtable tension such that the belt does not slip on the drive roller under load.

IMPORTANT: This is critical for belt reliability. Too low of tension encourages the drive roller to slip on the belt and damage the coating on the roller. Too high of tension can overstretch the belt or cause overload of the rollers.

When properly adjusted, the belt will not slip before the feedtable motor stalls on the drive of the belt drive roller.

See Figures 92 and 93.

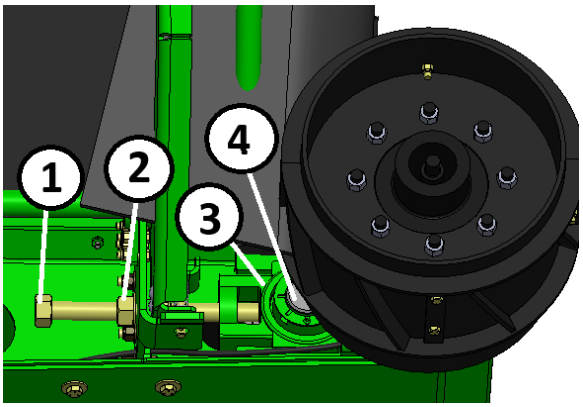


Figure 92. Feedtable Belt Tension
Key 1 – Adjustment Bolt
Key 2 – Lock Nut Key
3 – Bearing Carrier Key 4 – Idler Roller

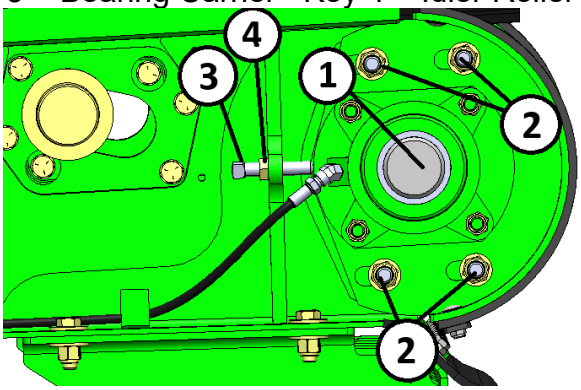


Figure 93. Drive Roller Alignment
Key 1 – Drive Roller Key 2 – Slots
Key 3 – Adjustment Bolt
Key 4 – Lock Nut

Forage Dam Adjustment

After the feedtable has been lowered, set up and before operating, the feedtable forage dam should be inspected.

Ensure that the feedtable is completely lowered and retracted to be as close to the main frame as possible.

The dam is located under the drive roller of the feedtable, and creates a seal to the frame of the T9096.

To adjust the dam tighter, loosen the bolts at the side rails of the forage dam and push the forage dam as tight as possible to the frame, without causing interference of any steel parts.

Once in place, tighten all hardware properly.

When properly adjusted, any material losses at the bottom will be minimized and efficiency will be attained.

See Figure 94.

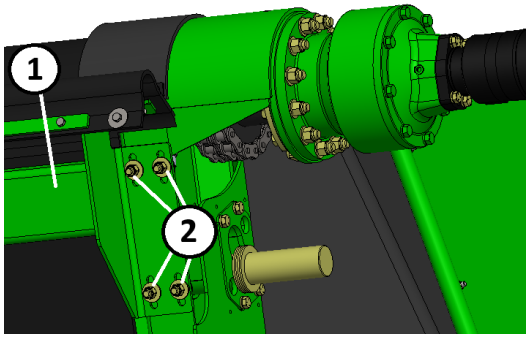


Figure 94. Forage Dam Adjustment (bottom view)
Key 1 – Forage Dam
Key 2 – Adjustment Bolts

Hitch Position

When in Ag-Bagging mode, verify that the distance from the tractor tire to the feedtable is at least 6” (15 cm) and no more than 18” (45 cm) (from the feedtable to prevent contact when bagging.

Try to minimize the angle of the driveline to increase service life of the PTO shaft. Use the pins in the hitch support to set the length of the support for proper tractor alignment to the Ag-Bagger.

See *Hitch Configuration and Adjustment – Bagging* section of this manual.

Brake Setup

It is important to verify that the braking system is working properly, and set properly for Ag-Bagging.

The starting brake pressure specification is provided as a guideline for starting.

SPECIFICATION:
Starting Brake Pressure

Far Side	1200 psi (82 bar)
Tractor Side	800 psi (55 bar)

See *Brake Setup* section of the *Operating the Unit* chapter of this manual for more information.

Lower Beater Drive Chain

The lower beater drive chain is located at the right side of the T9096, opposite end of the rotor as the tractor.

The chain tension must be maintained to ensure reliable operation.

To adjust the chain tension, remove the shield over the chain.

Loosen the jam nut and tighten the adjuster to increase the gap between the spring windings to specification. See Figure 95.

SPECIFICATION:
Lower Beater Drive Chain Tensioner Spring Gap: 0.040” (1mm)

Inspect chain and sprockets for wear and condition. Repair or replace as needed.

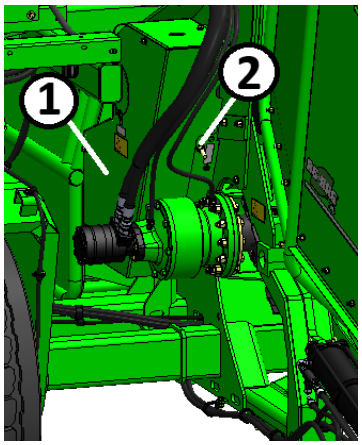


Figure 95. Lower Beater Drive Chain
Key 1 – Shield Key 2 – Adjustment Bolt

Bag Pan

The Bag Pan should be adjusted for the clearance to the tunnel floor, to ensure the bag comes off the stack properly, and without damage. Ensure the bag pan is in the fully raised position before making any adjustments.

Measure the bag pan clearance to the tunnel floor. Adjustments are made using the hardware at the side of the bag pan, where the pan attaches to the lift mechanism. Adjust the bolts as needed to achieve the specification. See Fig. 96.

SPECIFICATION:
Bag Pan Clearance to Tunnel Floor (Raised position)
3/4 in. (19mm)

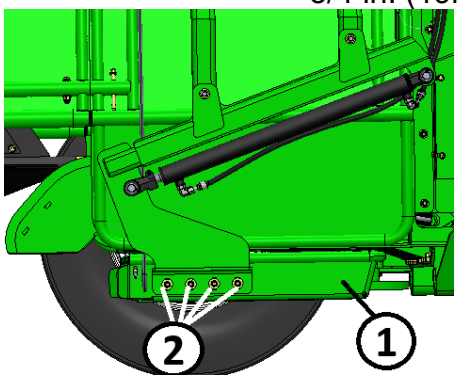


Figure 96. Bag Pan Adjustment
Key 1 – Bag Pan Key 2 - Bolts

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 bolts at the middle-plate-end of the chains 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 chains can be moved between different links at the mounting bolts. In addition, two mounting holes are provided for each bolt 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 97.

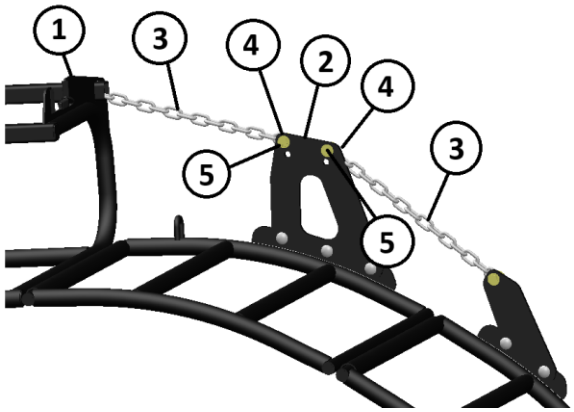


Figure 97. Bag Cradle Adjustment
Key 1 – Cradle Key 2 – Bracket
Key 3 – Chain Key 4– Bushing
Key 5 – Bolt

Tunnel Cleanout and Stripper 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 *Sweeping Tunnel Cleanout Operation* section in this manual.

Before performing any work in this area, disconnect the PTO from the tractor and rotate it vertically into the storage position.

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 98 and 99.

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

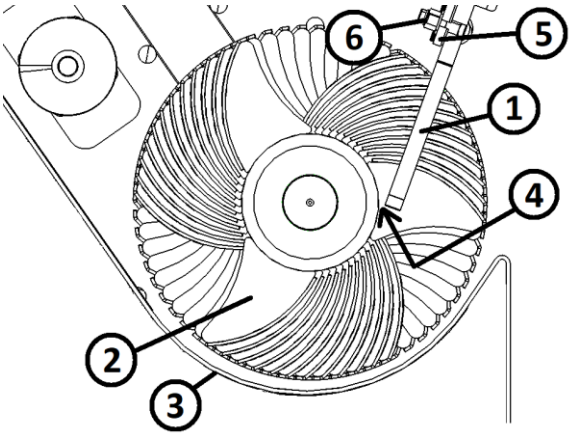


Fig. 98. Stripper Bar Plate Clearance
Key 1–Plate Key 2–Rotor Key 3–Floor
Key 4 – Clearance Location
Key 5 – Shims Key 6 – Nut

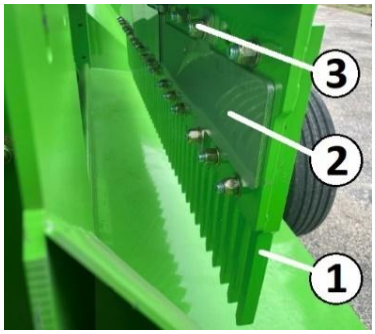


Figure 99. Stripper Bar Plate Shim
Key 1–Plate Key 2–Shim Key 3–Nut

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. 100 and 101.

Stripper Bar Plate Tooth Alignment

The stripper bar plate must be aligned relative to 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 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 102.

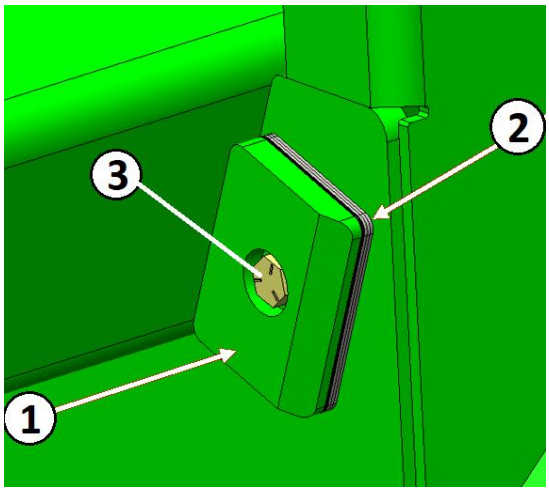


Figure 100. Cleanout Door Guide
Key 1–Guide Key 2-Shim Key 3-Bolt

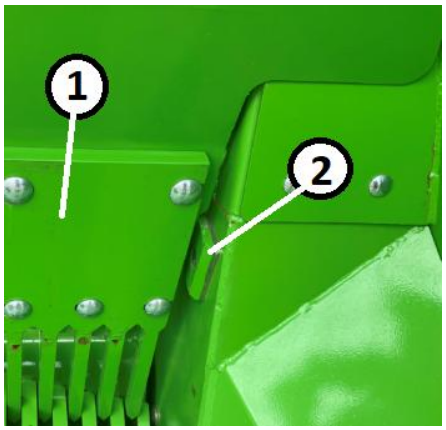


Figure 101. Guide Location
Key 1 – Plate Key 2 – Guide

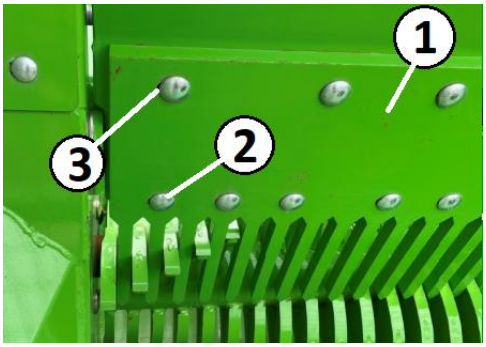


Figure 102. Stripper Plate Adjust
Key 1 – Plate Key 2 – Bolt Key 3 - Slot

Brake System Accumulator Pressure

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

The tractor side accumulator has a pre-set pressure of 800 psi (8,620 kPa) at 70 deg F (21 deg C).

The far side accumulator has a pre-set pressure of 1250 psi (8,620 kPa) at 70 deg F (21 deg C).

The accumulators 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 Figures 103 and 104.

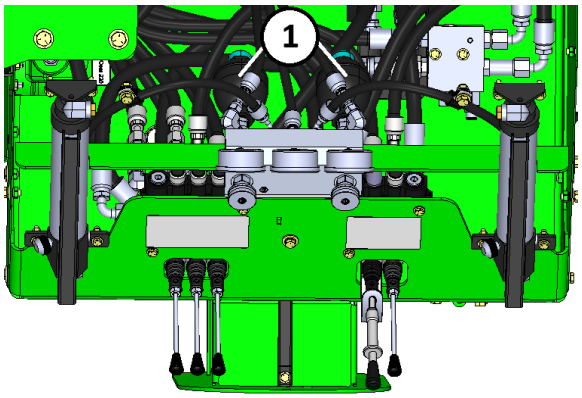


Figure 103. Accumulator Location (1)
Key 1 – Accumulator

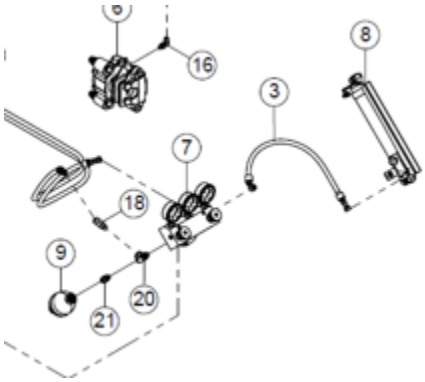


Figure 104. Accumulator Location (2)
Key 9 - Accumulator

Changing Tunnels

When changing tunnels, the tunnels must be unbolted from the tunnel support structure as well as the lower frame.

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

The tunnels also feature fork pockets for ease of removal. Remove caps for access.

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

Disconnect hydraulic hoses for tunnel cleanout when removing tunnel. Switch tunnel cleanout parts to other tunnel during removal. See Figure 105 and Repair Parts Pages for more information.

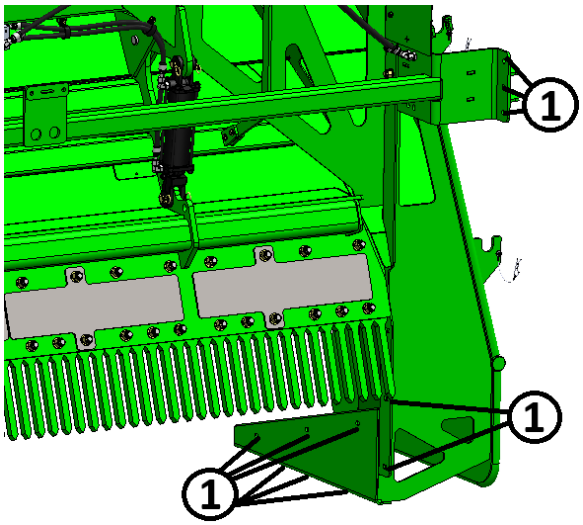


Figure 105. Tunnel Change Hardware
Key 1 – Bolt Locations (each side)

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 (385/65R22.5)
130 psi (896 kPa) Cold

Tires are rated for 9,920 lbs. (4,500 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 – 150 ft-lbs. (203 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 106.

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.

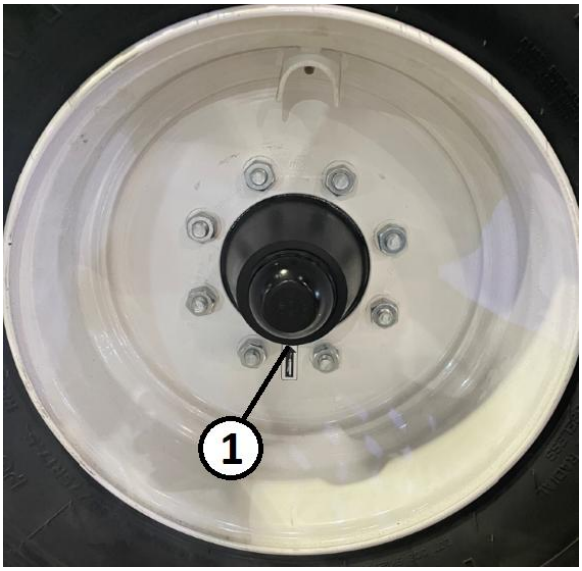


Figure 106. Grease Fitting Location
Key 1 – Grease Fitting

Rotor Bearings

Interval: Every 2 hours of Ag-Bagging.

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

Grease each rotor bearing at each interval. Do not over-grease as seal damage may result.

See Figure 107 and 108.

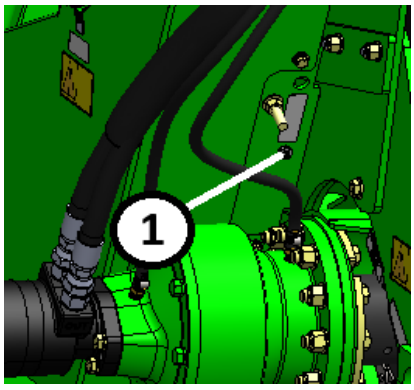


Figure 107. Far Side Rotor Bearing
Key 1 – Grease Fitting

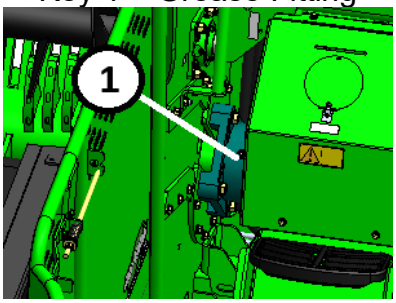


Figure 108. Tractor Side Rotor Bearing
Key 1 – Grease Fitting

Beater Bearings

Interval: Daily

Each beater features two bearings.

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

Grease each beater bearing (4) at each interval. Do not over-grease as seal damage may result.

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 Figures 109 and 110.

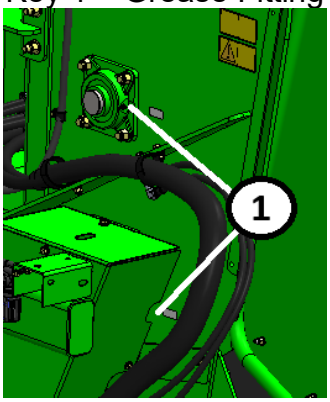


Figure 109. Far Side Beater Bearings
Key 1 – Grease Fittings

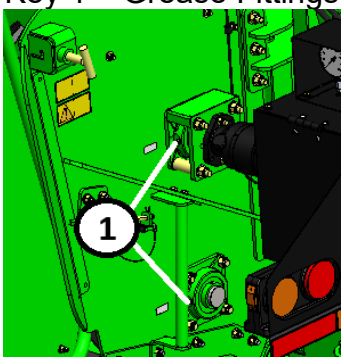


Figure 110.Tractor Side Beater Bearings
Key 1 – Grease Fittings

Feedtable Bearings

Interval: Daily

The feedtable has four bearings and that require greasing.

These bearings are greased through central fittings, 2 per side of the feedtable.

Wipe off each fitting before attaching the grease gun.

Wipe off excess grease when finished.

See Figure 111.

Feedtable Cleanout

Interval: Daily

Inspect and clean the inside of the feedtable on a daily basis.

The forage dam should be cleaned each time the feedtable is raised to the storage position, once the transport lock is engaged. Take care to ensure the frame is clear in front of the feedtable such that the forage dam will work properly at the time of next use.

Hydraulic Jack – Tractor End

Interval: Monthly

Grease the slide mechanism of the hydraulic jack on the tractor end of the machine. This is the only jack with a greasing requirement due to the high loads on this end of the machine during lifting.

See Figure 112.

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

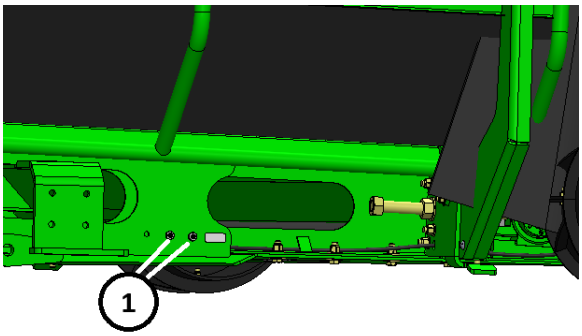


Figure 111. Feedtable Bearing Greasing
Key 1 – Grease Fittings

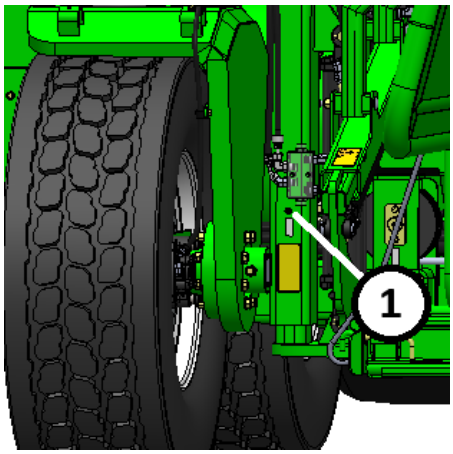


Figure 112. Hydraulic Jack
Key 1 – Grease Fitting

Feedtable Coupler Chain
Interval: Every 2 hours of Ag-Bagging.

With the Ag-Bagger idling, oil the feedtable coupler chain through the opening in the frame. Oil coupler chain well using SAE 30 oil. The oil bottle can be stored in the storage compartment by the operator station.

See Figure 113.

Lower Beater Drive Chain
Interval: Every 2 hours of Ag-Bagging.

With the Ag-Bagger idling, oil the lower beater drive chain through the opening nearest the decal Oil coupler chain well using SAE 30 oil. The oil bottle can be stored in the storage compartment by the operator station.

See Figure 113.

Rotor Drive Chain Coupler
Interval: Every 2 hours of Ag-Bagging.

With the Ag-Bagger idling, oil the rotor drive coupler chain through the opening nearest the decal Oil coupler chain well using SAE 30 oil. The oil bottle can be stored in the storage compartment by the operator station.

See Figure 114.

Planetary Input Drive Chain Coupler
Interval: Every 2 hours of Ag-Bagging.

With the Ag-Bagger idling, oil the planetary input drive coupler chain through the opening nearest the decal Oil coupler chain well using SAE 30 oil. The oil bottle can be stored in the storage compartment by the operator station. See Figure 114

Hydraulic Pump Chain
Interval: Every 2 hours of Ag-Bagging.

With the Ag-Bagger idling, oil the planetary input drive coupler chain through the opening nearest the decal Oil coupler chain well using SAE 30 oil. The oil bottle can be stored in the storage compartment by the operator station.

See Figure 114.

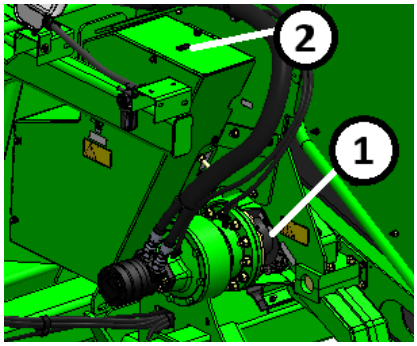


Figure 113. Lubrication Points
Key 1 – Feedtable Chain
Key 2 – Lower Beater Drive Chain

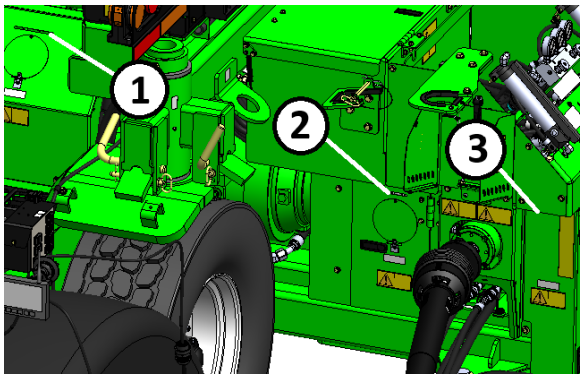


Figure 114. Chain Oiling Locations
Key 1 – Rotor Drive Chain
Key 2 - Input Coupler Drive Chain
Key 3 – Pump Drive Chain

PTO Shaft

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

Interval: Daily

Wipe off the grease fittings before attaching the grease gun.

Grease each U-joint and the shear plates.

Grease each plastic shield for rotation. One fitting per end.

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 115.

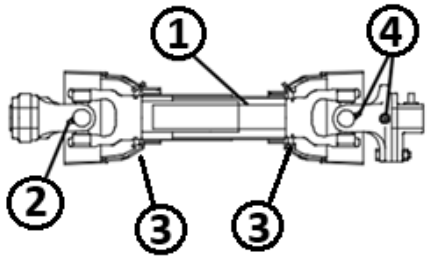


Fig. 115. PTO Shaft Grease Locations
Key 1 – Slide Tube Key 2 – U-Joint
Key 3 – Shield Rotation
Key 4 - U-Joint and Shear Plate

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 116.

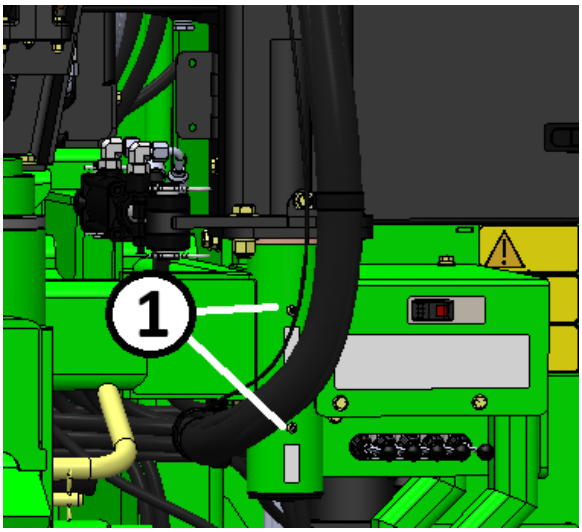


Figure 116. Boom Pivot Greasing
Key 1 – Grease Fittings

Anchor Position Control

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

Interval: Monthly

It is easiest to grease these fittings when the anchors are let nearly all the way out.

Wipe off the grease fittings before attaching the grease gun.

Open the access panel to the anchor position control. Locate three (3) grease fittings at the tensioner and pulley on the cylinder. See Figure 117.

At the anchor supports, locate a grease fitting at each of the two (2) pins and the fitting for the pulleys under the tunnel on each support.

See Figure 118.

Grease each fitting. Wipe off excess grease when finished.

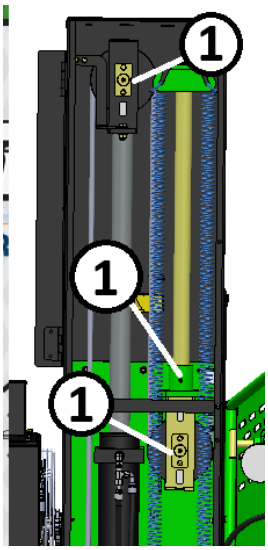


Figure 117. Anchor Position Control Greasing
Key 1 – Fitting Locations

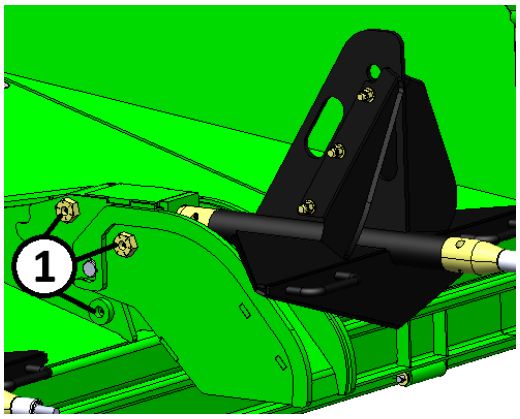


Figure 118. Anchor Support Fittings
Key 1 – Fitting Locations

Hydraulic Oil Level Check

Interval: Daily

Maintain the oil level in the main hydraulic oil reservoir at a point approximately in the middle (1/2 full) 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:
35 gal (133 L)

See Figure 119.

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 and cooling fan 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.

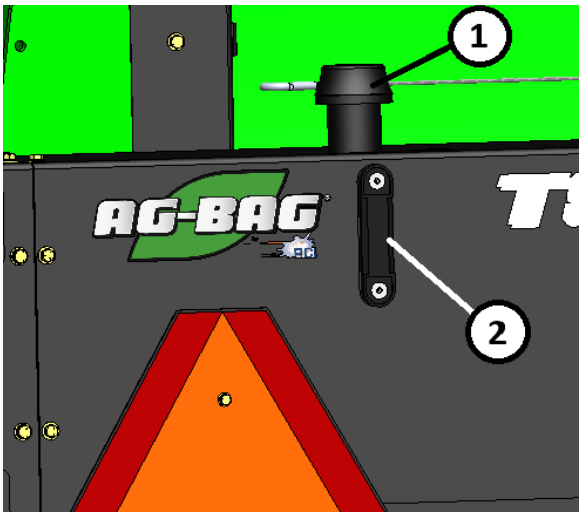


Fig. 119. Hydraulic Oil Reservoir
Key 1 – Hyd. Oil Fill
Key 2 - Level Gauge

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 35 gallons (133 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 120.

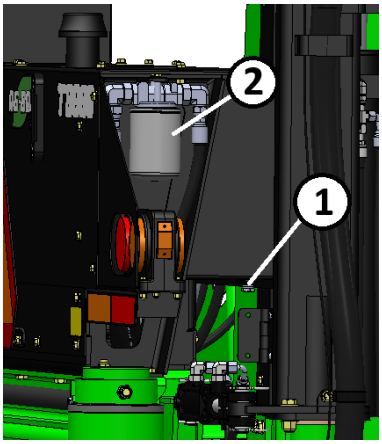


Figure 120. Hydraulic Reservoir Drain
Key 1 – Drain Key 2 - Filter

Hydraulic Oil Filter

Interval: Annually and whenever hydraulic oil is changed

The oil filter is located near the bag boom pivot base.

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 ¾ turn.

Replacement oil filters are available from your Ag-Bag dealer.

See Figure 121.

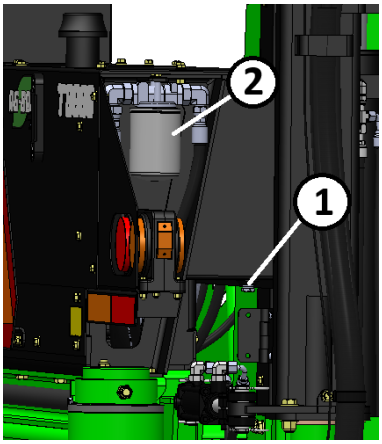


Figure 121. Hydraulic Reservoir Drain
Key 1 – Drain Key 2 - Filter

Planetary Oil and Filter

Interval: 200 hours or Annually
(whichever occurs first)

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 Planetary gearbox is filled with 0W-140 Chevron Delo Syn-gear XDM APL GL-5 Gear Oil from the factory. The approximate capacity of the gearbox is approximately 8 gal. (30 L). Always fill to the center of the sight glass at the right-planetary gearbox after running to normalize oil levels. DO NOT mix different oils.

SPECIFICATION:
Planetary Oil
80W-140 Chevron Delo Syn-gear XDM APL GL-5 Gear Oil
Approx. 8 Gal (30 L)
(includes cooler, lines and filter)

Due to the use of an oil cooler, the oil should be flushed from the cooler during replacement. Upon refilling the planetary, remove the return line to the planetary and route it to a collection pail. Safely run the PTO to drive the hydraulic pump, which in turn drives the coolant pump that delivers the oil from the planetary to the cooler and back to the planetary. The beater does not need to be engaged for this process.

Once clean oil is observed at the return line, shut off the PTO and tractor safely. Install the return line. Refill the planetary and verify filled properly.

Whenever filling with oil, it is very important to allow the oil level to normalize after filling and running, and to verify the resulting oil level in the sight glass before applying a load to the machine.

The filter is located at the front side of the cooling package, directly below the pressure gauge.

Open the access panel to the filter.

Thoroughly clean the area around the planetary 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 ¾ turn.

Replacement oil filters are available from your Ag-Bag dealer.

A pressure gauge is provided above the filter for the planetary. This pressure gauge gives the operator an indication if the circuit is working properly.

If the pressure gauge maxes out, it likely indicates an obstruction, cold oil, or that it is time for filter replacement.

If the pressure gauge is low, it indicates that the circuit is not moving oil to the

cooler. In this event, shut down the machine immediately and investigate properly.

During normal operation, the pressure gauge should be between ¼ and ¾ of the pressure gauge, depending on temperature, PTO speed, and filter condition.

See Figures 122 through 124.

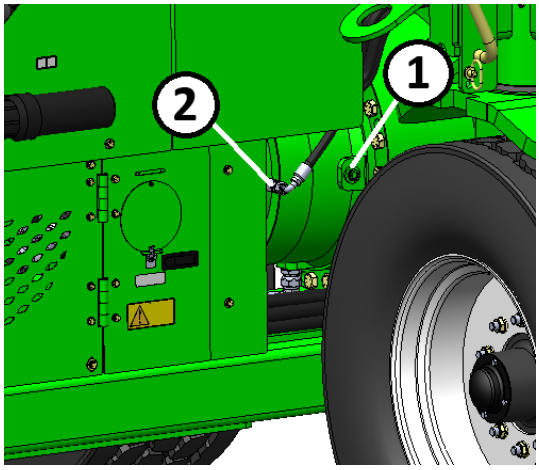


Figure 122. Planetary Oil
Key 1 – Sight Glass Key 2–Return Line

Figure 123. Filters
Key 1 – Planetary Filter
Key 2 – Gearbox Filter

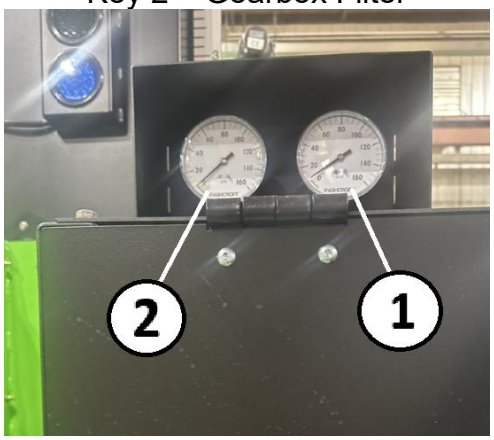


Figure 124. Gauges
Key 1 – Planetary Pressure Gauge
Key 2 – Gearbox Pressure Gauge

Right-Angle Gearbox Oil and Filter

Interval: 200 hours or Annually
(whichever occurs first)

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 right-angle gearbox is filled with 0W-90 API GL-4 Gear Oil from the factory. The approximate capacity of the gearbox is approximately 3.5 Gal (13.2 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:
Right-Angle Gearbox Oil
80W-90 API GL-4 Gear Oil
Approx. 3.5 Gal (13.2 L)
(includes cooler, lines and filter)

Due to the use of an oil cooler, the oil should be flushed from the cooler during replacement. Upon refilling the right-angle gearbox, remove the return line to the gearbox and route it to a collection pail. Safely run the PTO to drive the hydraulic pump, which in turn drives the coolant pump that delivers the oil from the planetary to the cooler and back to the planetary. The beater does not need to be engaged for this process.

Once clean oil is observed at the return line, shut off the PTO and tractor safely. Install the return line. Refill the gearbox and verify filled properly.

Whenever filling with oil, it is very important to allow the oil level to normalize after filling and running, and to verify the resulting oil level in the sight glass before applying a load to the machine.

The filter is located at the front side of the cooling package, directly below the pressure gauge.

Open the access panel to the filter.

Thoroughly clean the area around the planetary 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 ¾ turn.

Replacement oil filters are available from your Ag-Bag dealer.

A pressure gauge is provided above the filter for the planetary. This pressure gauge gives the operator an indication if the circuit is working properly.

If the pressure gauge maxes out, it likely indicates an obstruction, cold oil, or that it is time for filter replacement.

If the pressure gauge is low, it indicates that the circuit is not moving oil to the cooler. In this event, shut down the

machine immediately and investigate properly.

During normal operation, the pressure gauge should be between ¼ and ¾ of the pressure gauge, depending on temperature, PTO speed, and filter condition.

See Figures 125 through 127.

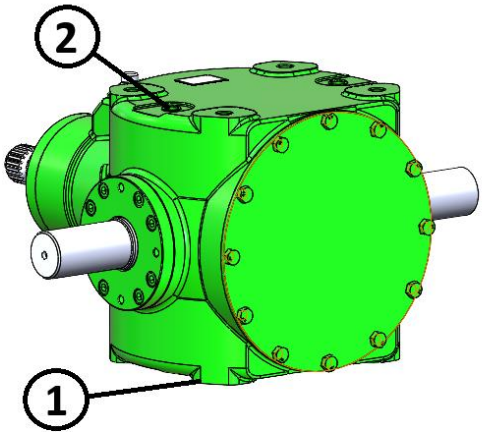


Figure 125. Gearbox
(shown removed for clarity)
Key 1 – Suction Port
Key 2- Return Port

Figure 123. Filters
Key 1 – Planetary Filter
Key 2 – Gearbox Filter

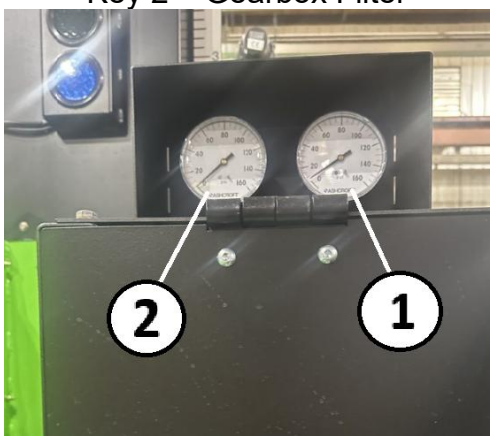


Figure 124. Gauges
Key 1 – Planetary Pressure Gauge
Key 2 – Gearbox Pressure Gauge

Feedtable Planetary Gearbox Oil

Interval: 200 hours or Annually
(whichever occurs first)

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 feedtable planetary is filled with 85W-140 Mobilube HD Plus from the factory. The approximate capacity of the gearbox is approximately 3 qts. (2.8 L). Always fill to this volume. DO NOT mix different oils.

SPECIFICATION:
Feedtable Planetary Oil
85W-140 Mobilube HD Plus
Approx. 2 qts. (1.9 L)

The feedtable may need to be in the raised position to drain properly. Align drain hole to be at the bottom with feedtable placement.

See Figure 125.

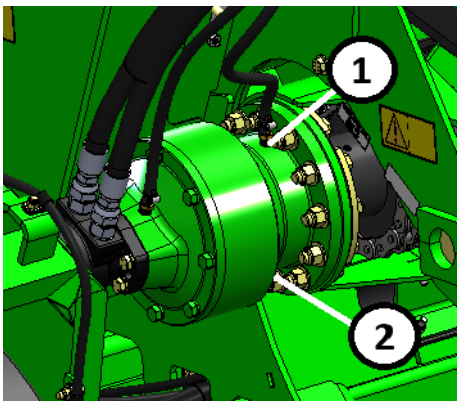


Figure 125. Feedtable Planetary
Key 1 – Fill Hole (breather line)
Key 2 – Drain Hole

Brake Pads
The brake pads can be removed without removing the wheel, or brakes. There is a pin at the pad that can be removed to allow the pads to be slipped out of the assembly on the machine, while pressure is released.

See repair parts pages for more information.

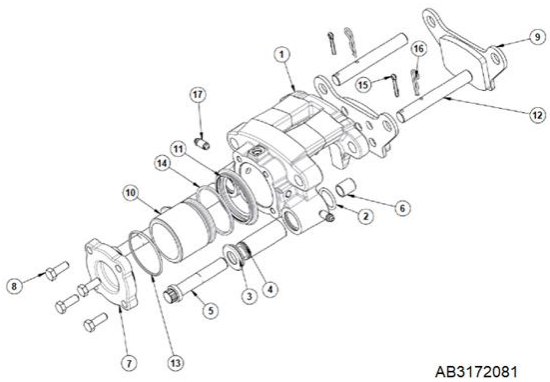


Figure 126. Brake Pad Removal
See parts pages for more information.

Cables

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.

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 when the cables are visible in the cabinet with the door open.

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.

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 in 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.

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 to specification.

SPECIFICATION
Brake System Oil
½ gallon (1.9L) per side
2 pumps; 1 gallon (3.8 L) total
AW-32 Hydraulic Oil

IMPORTANT:
Only use AW-32 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.

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 two accumulators 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 127.

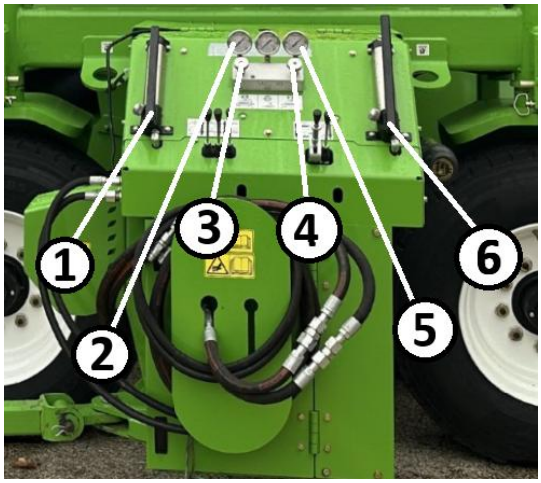


Figure 127. Hand Pump Locations
Key 1 – Tractor End Hand Pump
Key 6 – Far End Hand Pump

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 128.

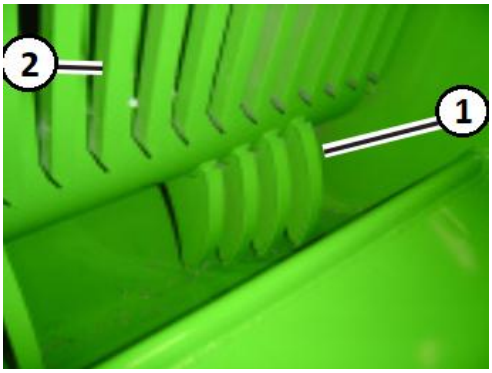


Figure 128. Rotor Tooth Tine Cap
Key 1 – Cap Installed
Key 2 – Stripper Bar Plate

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 129 through 131.

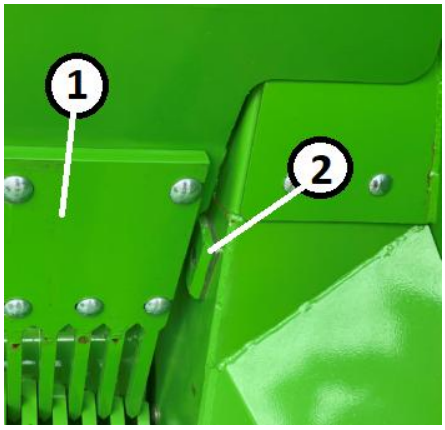


Figure 129. Guide Location
Key 1 – Plate Key 2 – Guide

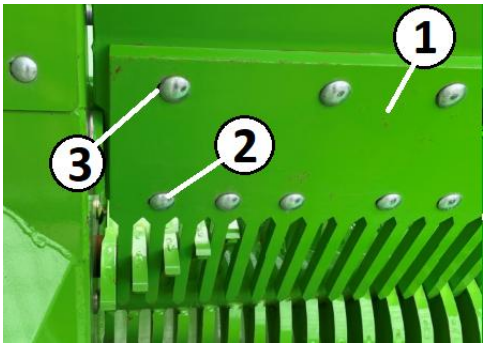


Figure 130. Stripper Bar Plate Adjust
Key 1 – Plate Key 2 – Bolt Key 3 – Slot

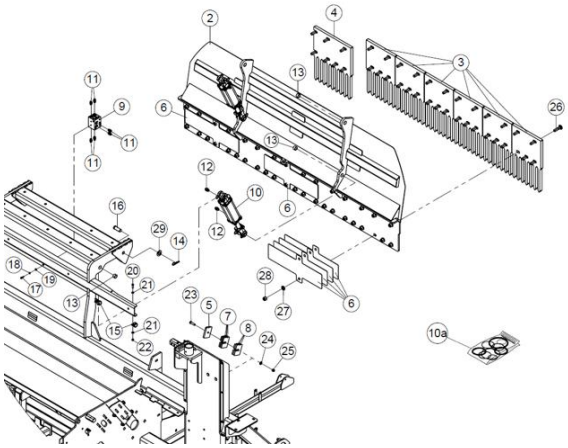


Figure 131. Stripper Bar Plate Parts

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 8-36	19* 20*	14* 15*	30* 31*	22* 23*	41* 43*	31* 32*
10-24 10-32	27* 31*	21* 23*	43* 49*	32* 36*	60* 68*	45* 51*
1/4-20 1/4-28	66* 76*	50* 56*	9 10	75* 86*	12 14	9 10
5/16-18 5/16-24	11 12	9 9	17 19	13 14	25 25	18 20
3/8-16 3/8-24	20 23	15 17	30 35	23 25	45 50	35 35
7/16-14 7/16-20	32 36	24 27	50 55	35 40	70 80	55 60
1/2-13 1/2-20	50 55	35 40	75 90	55 65	110 120	80 90
9/16-12 9/16-18	70 80	55 60	110 120	80 90	150 170	110 130
5/8-11 5/8-18	100 110	75 85	150 180	110 130	220 240	170 180
3/4-10 3/4-16	175 200	130 150	260 300	200 220	380 420	280 320
7/8-9 7/8-14	170 180	125 140	430 470	320 360	600 660	460 500
1-8 1-14	250 270	190 210	640 710	480 530	900 1000	680 740
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 132. 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 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	Nut Size Across Flats	Torque Value*		Recommended Turns To Tighten (After Finger Tightening)	
(In.)	(In.)	(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 133. O-Ring Fitting Torque Chart

Tube Size OD	Nut Size Across Flats	Torque Value*		Recommended Turns To Tighten (After Finger Tightening)	
(In.)	(In.)	(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. 134.Flare-Type Fitting Torque Chart

Hydraulic System Pressure

SPECIFICATIONS

Main System Relief Pressure (2-bank):
3,000 psi (20,685 kPa) maximum

SCV Circuit Relief Pressure (3-bank):
2,700 psi (20,685 kPa) maximum

Hydraulic Bag Boom Relief Pressure:
1,950 psi (13,444 kPa) maximum

For the main system relief (on-board hydraulic pump), locate the relief valve in the 2-bank hand valve assembly at the operator station.

The SCV Circuit relief valve is located in the 3-bank hand valve assembly at the operator station.

The Hydraulic Bag Boom relief valve is located in a separate valve body inside the hydraulic compartment behind the operator station. It is technically adjustable, but is set at the factory and should never need adjustment.

To adjust the relief pressure:

1. Locate the pressure relief cartridge on the corresponding control valve at the operator station.

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 3000 PSI from the factory

4. Reinstall the jam nut

Make sure oil is above 100 deg F before testing pressure.

See Figures 135 and 136.

Test relief pressure by installing a pressure gauge on the pressure line from the pump or SCV and by bottoming out one of the hydraulic functions.

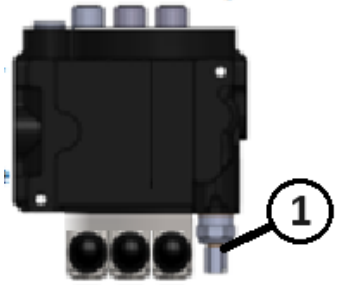


Figure 135.Typical Pressure Adjustment
Key 1 – Relief Cartridge

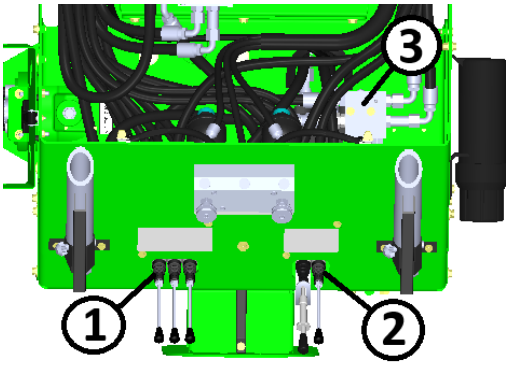


Figure 136. Relief Valve Locations
(top view of cutaway of operator station)
Key 1 – 3-Bank Valve
Key 2 – 2-Bank Valve
Key 3 – Bag Boom Relief Valve

Lubrication Specifications

Planetary

80W-140 Chevron Delo Syn-gear XDM APL GL-5 Gear Oil

Approx. 8 Gal (30 L)

(includes cooler, lines and filter)

Right-Angle Gearbox Oil

80W-90 API GL-4 Gear Oil

Approx. 3.5 Gal (13.2 L)

(includes cooler, lines and filter)

Feedtable Planetary

85W-140 Mobilube HD Plus

Approx. 2 qts. (1.9 L)

Hydraulic System

ISO Gr 68 Hyd. Oil

Approx. 35 gal (133 L)

Brake Pump

AW-32 Hydraulic Oil

½ gallon (1.9L) per side

2 pumps; 1 gallon (3.8 L) total

Grease (incl. Wheel Bearings)

Gr. 2 Lithium Complex EP

Chain Oil (Rotor/Jackshaft/Pump Dr.)

SAE 30

Hydraulic Cooler Fan Specification

There are three oil coolers in the stack of coolers on the T9096.

The cooler for the planetary is closest to the operator station.

The middle cooler is for the hydraulic oil.

The cooler closest to the fan is for the gearbox.

The fan speed is fixed for the oil flow on the machine.

The fan speed for this unit is as follows:

SPECIFICATION:

Hydraulic Oil Cooler Fan Speed

1950 +/- 300 rpm

(at 1000 PTO rpm with hydraulic oil at 100 deg F or higher)

To measure fan speed, affix a reflector to a fan black when tractor is off for service following the procedures in this manual. Measure with a tachometer.

The fan speed is not adjustable. If low, repair or replace fan motor or pump.

See Figure 137.

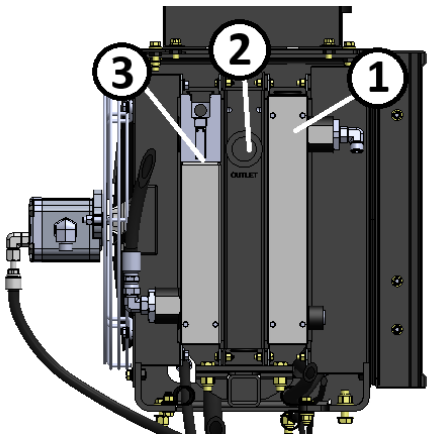


Figure 137. Hyd. Cooler Fan Assembly

Key 1 – Planetary Cooler

Key 2 – Hydraulic Oil Cooler

Key 3 – Gearbox Cooler

Anchor Cable Tension Lockout

The anchor position control system has a built-in tensioner to keep a light load on the cables when they are not under load from forage. This tensioner can be locked out to release cable tension for service.

IMPORTANT:
The machine should never be operated for Ag-Bagging with the anchor cable tensioner locked out. Machine damage may result. Also, cables may become entangled if the tensioner is not operational, so it is important to inspect the cables thoroughly and regularly.

Before moving the anchor position control, make sure the tunnel cleanout is closed and the cables are not in the storage position.

Follow procedures in this manual for operating these functions properly-.

To lock out the cable, make sure the tunnel cleanout is closed and set the anchors to the Home position.

Use a punch or other tool in the hole to hold the tensioner. Remove the tool when complete, staying clear of the tensioner on release.

Extend the anchors out to Position 3 to remove the tension on the cables. If extending to Position 6, take care that the cables do not bind in the control cabinet as the tension is not present to keep them aligned.

Always release the tension lockout before bagging any silage or operating the unit. Check that the cables remain in the pulleys to prevent machine damage, each time the cable tension lockout is released before using the unit.

Follow procedures in this manual for operating these functions.

See Figure 138.

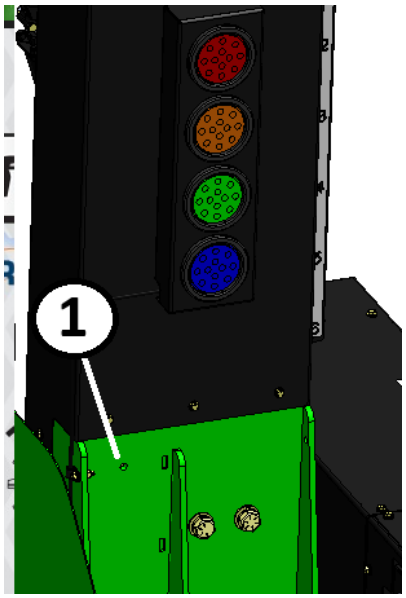


Figure 138. Tensioner Lockout
Key 1 – Handle Key 2 – Lock Pin

13 THEORY OF OPERATION

Hydraulic System
The hydraulic system is self-contained and open-center for the sweeping tunnel cleanout and anchor position circuits.

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.

Tractor SCV's are used for both the feedtable drive and other cylinder functions, including the bag boom.

SPECIFICATIONS:

System Relief Pressure:
3,000 psi (20,685 kPa)

Hydraulic Bag Boom Relief Pressure:
1,900 psi (13,100 kPa)

Brake Accumulator 1 Pressure (tractor):
800 psi at 70 deg F
(5,515 kPa at 21 deg C)

Brake Accumulator 2 Pressure (far):
1,250 psi at 70 deg F
(8,620 kPa at 21 deg C)

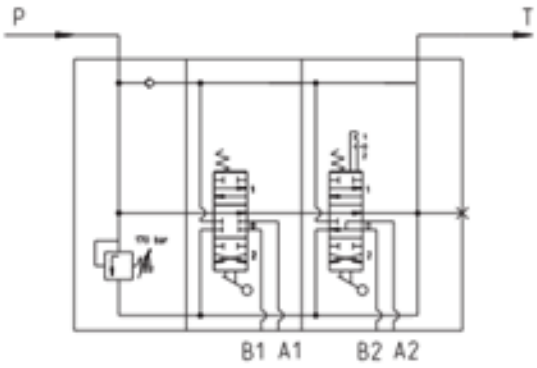


Fig. 139. 2-Bank Manifold Functional Schematic

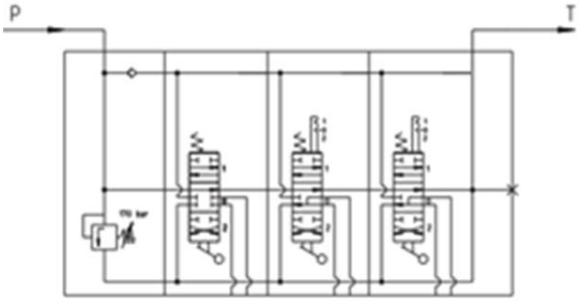


Figure 140. 3-Bank Manifold Functional Schematic

See repair parts pages for schematics of each circuit, along with component details.

Electrical System

The T9096 has a simple wire harness to control the following functions:

1. Upper Beater direction
2. Signal Lights
3. Machine Lights
4. Power for Camera
5. Power for Inoculant System

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.

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

14 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.
Feedtable belt slows down or stops.	If belt is slipping, tension is too low.	Adjust belt tension.
	If belt is stalling and drive roller is stalling, inspect for crop packed at forage dam.	Reverse belt slightly to loosen material. After current load, raise feedtable slightly, turn off machine and tractor, and clean area between belt and frame.
	Build-up of product inside belt.	Clean and check seals at sides of belt.
	Hydraulic drive motor worn or seals leaking	Repair or replace hydraulic drive motor.
	Planetary oil low.	Check and repair any damage.
Brakes fail to hold wheels.	Brake pads worn.	Replace brake pads.
	Hand pump low on hydraulic jack oil.	Refill hand pump with hydraulic jack oil and bleed air from system.
	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.
Ag-Bag damage while Ag-Bagging.	Bag pan not properly set.	Check clearance to tunnel.
		Check folds of bag in bag pan.
	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.	Bungee cord does not have proper tension.	Tie knots in the bungee cords until proper tension is obtained.
	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 AW-32 hydraulic jack oil.	Refill with AW-32 hydraulic jack oil.

15 Storage

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

1. Remove any product or acidic juices which will cause corrosion.

2. Clean out any product from the feedtable, wings, and inside the frame.

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 slowly with 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 all drive chains and coupler chains. Soak in diesel fuel to clean completely. When the chain is clean, soak entire chains 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 all chains on the sprockets. Install and close all guards on the Ag-Bagger.

10. Drain the planetary and 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.

13. Release all pressure from the 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.

16 SET-UP AND ASSEMBLY

This product is shipped from the factory 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 is only shipped on a removable-gooseneck trailer. Attach the machine to a towing vehicle before releasing brakes.

All wheel locks must remain in place such that the wheels are aligned and locked to allow for towing of the machine off of the trailer.

Extend the transport hitch and install the brace. See *Hitch Configuration and Adjustment – Towing* section of this manual.

Once wheels are locked, brakes are released, and hitch is properly installed, carefully lift the hitch and tow the machine off the trailer, taking care to ensure a smooth transition to the ground.

Figure 141. Typical Shipping Config.

Set Bag Pan

The bag pan specification must be verified.

SPECIFICATION:

Bag Pan Clearance to Tunnel Floor (Raised position)

3/4 in. (19mm)

If out of specification, follow adjustment procedure in *Bag Pan* section of the *Adjustments* chapter in this manual.

See Figure 142.

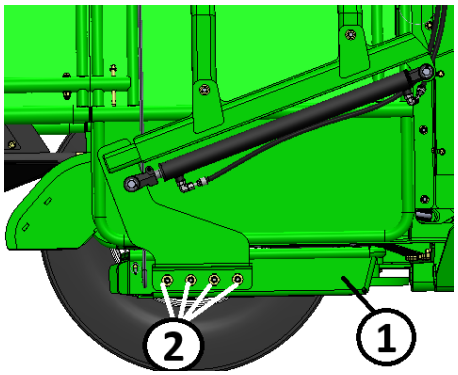


Figure 142. Bag Pan Adjustment
Key 1 – Bag Pan Key 2 - Bolts

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 properly with provided hardware. See Figure 143.

Install Inoculant System
Install the inoculant system if customer desires. Follow instructions in the manual for the inoculant system.

Check All Fluid Levels
Check all fluid levels as specified in the *Lubrication and Maintenance* chapter in 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
Use Grade 2 Lithium Complex EP Grease.

Grease the entire machine as outlined in the *Lubrication and Maintenance* section of this manual.

Oil the Chains
Oil all chains as outlined in the *Lubrication and Maintenance* section of this manual.

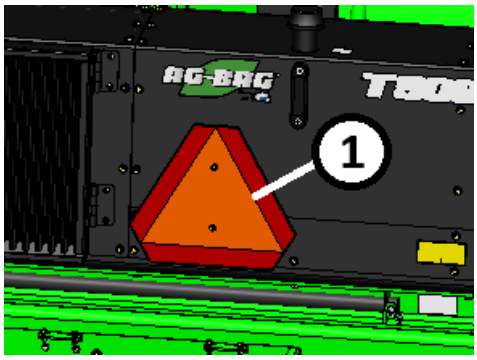


Figure 143. SMV Installation
Key 1 – SMV Sign

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.

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.

17 REPAIR PARTS

General Comments
The following includes information regarding parts for the T9096 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 Table of Contents

Section 1 - Drive Assembly & Rotor

Section 2 - Feed Table, Hopper & Beaters

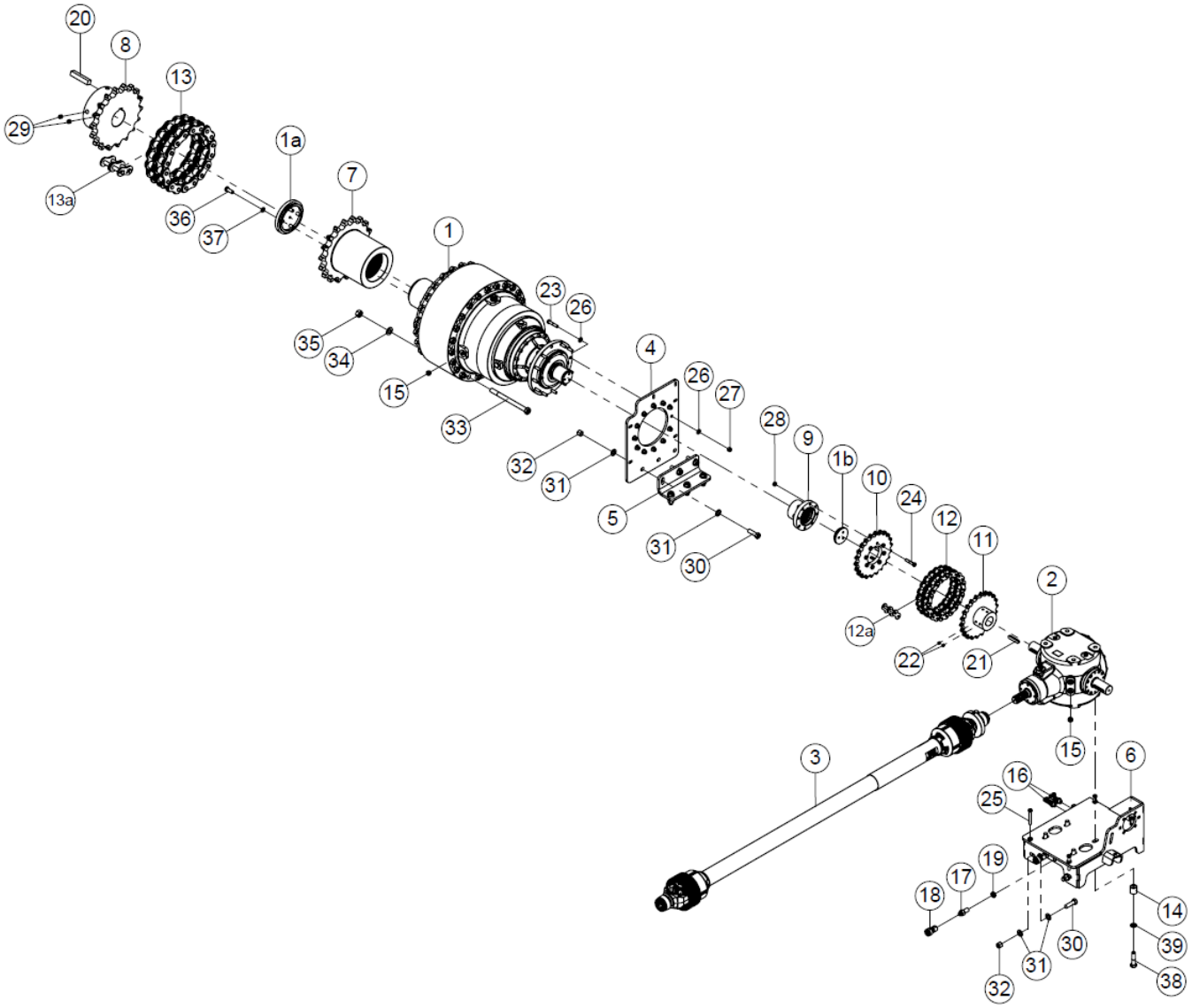
Section 3 - Tunnels/Cleanout, Bag Boom, Cradle, Bag Pan & Bungee

Section 4 - Anchor System

Section 5 - Cooling System

Section 6 - Brake System, Wheel Drops, Hitches & Hydraulic Machine Lift

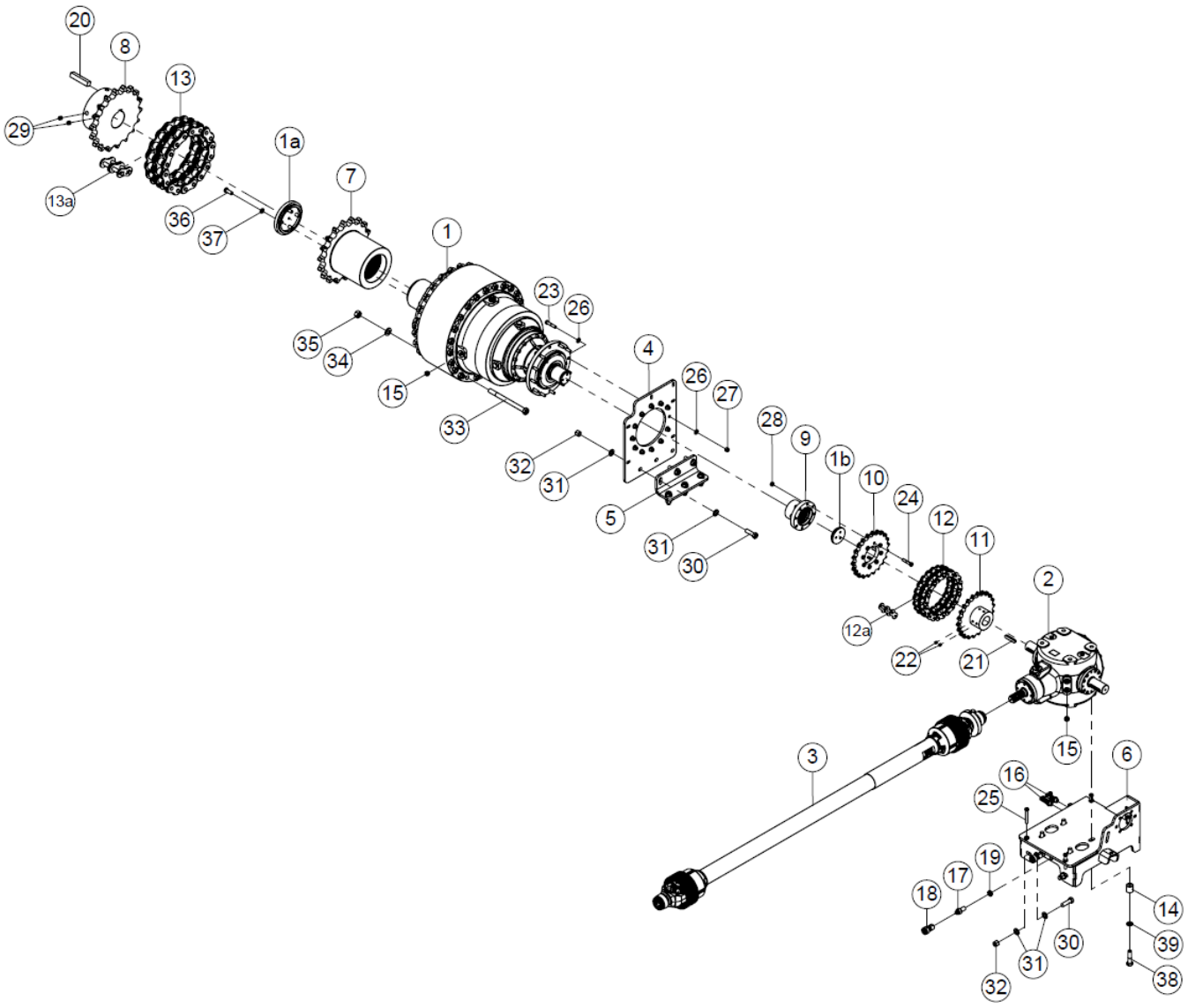
1.1 – Drive Assembly



1.1 – Drive Assembly

Key	Part Number	Description	Qty	Comments
1	AA0801425	Planetary, GB16002 16.9:1	1	See breakdown on Parts Page 10.1
1a	AA0800907	Plate, Retainer Output GB13000	1	
1b	AA0800908	Plate, Retainer Input GB13000	1	
2	AB3172897	Gearbox, Right Angle	1	See breakdown on Parts Page 10.2
3	AB3172501	Shaft, PTO	1	See breakdown on Parts Page 10.3
4	AB3172959	Brace, Planetary	1	
5	AB3173386	Bracket, Planetary Brace	1	
6	AB3173307	Mount, Gearbox	1	
7	AB3172452	Sprocket, Planetary	1	
8	AB3172498	Sprocket, Rotor Drive	1	
9	AA0800519	Billet, Plaentary Input GB13000	1	
10	AB3172903	Sprocket, T9096 Planetary Input	1	
11	AB3172902	Sprocket, Gearbox Coupler	1	
12	AB3172951	Chain, 120-2 XDO x 21 Pitches	1	
12a	AA1520068	Link, 120-2 XDO Split Cotter Connector	1	
13	AB3172499	Chain, 200-2 XDO x 17 Pitches	1	
13a	RC950778	Link, 200-2 XDO Split Cotter Connector	1	
14	AA0902025	Spacer, YZ Gearbox Mount	4	
15	RC703230	Gauge, G1/2" (BSPP) Sight	3	

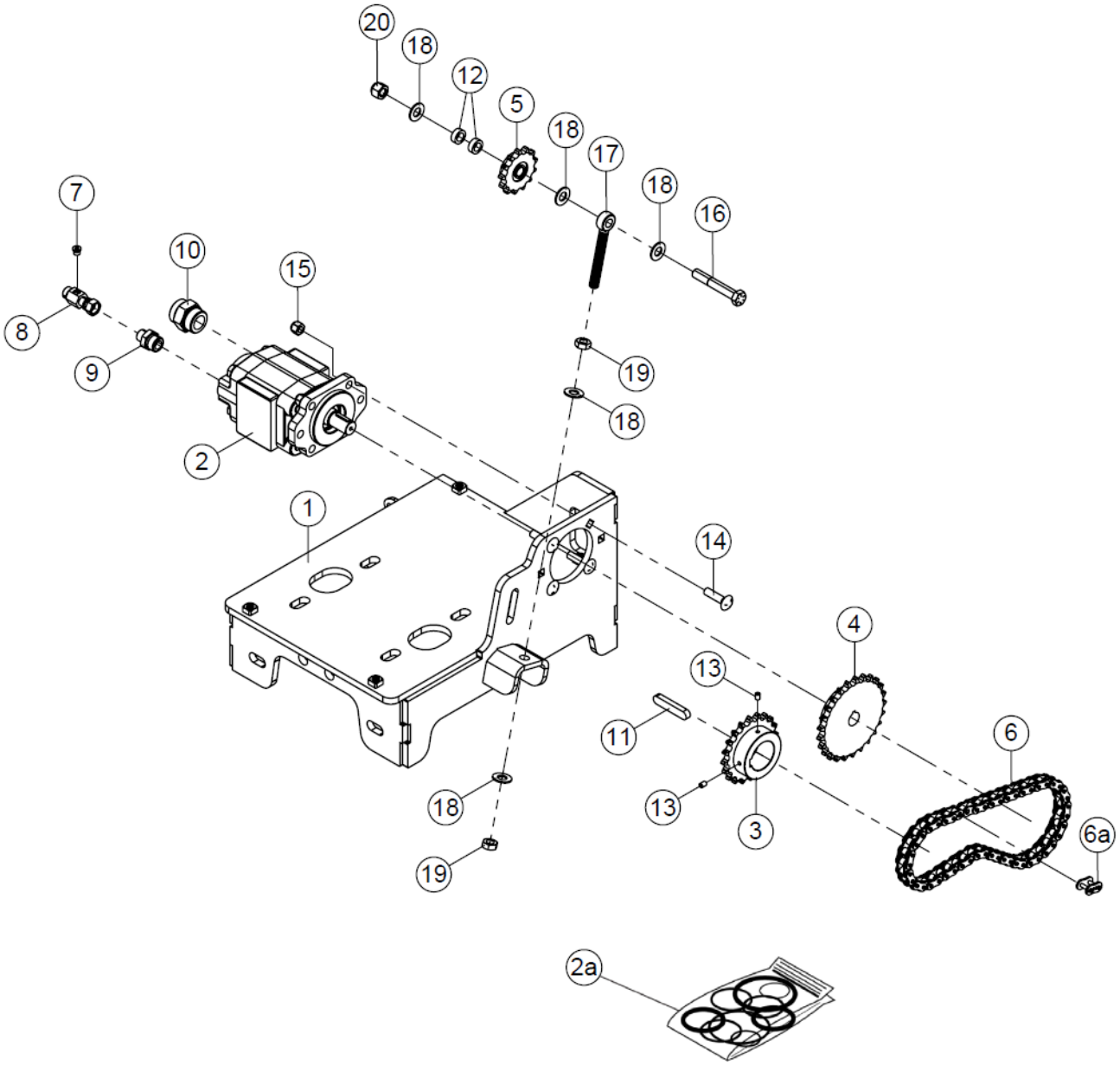
1.1 – Drive Assembly - Continued



1.1 – Drive Assembly – Continued

Key	Part Number	Description	Qty	Comments
16	RC700295	Tee, -08 MORFS Blkhd Run Thru	2	
17	RC701018	Adapter, -08 MORFS -08 MORB Straight Blkhd	2	
18	RC703134	Quick Coupler, 1/2" Body -08 FORB Poppet Fem	2	
19	RC700012	Nut, 13/16-16 Bulkhead Lock	2	
20	RC902960	Key, 1 x 1 x 5-1/4 CZ	1	
21	RC903028	Key, M10 x 16 x 80mm Plain Rounded	1	
22	RC902235	Screw, 1/2-13 x 1/2 Socket Cup Point Set	4	
23	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	12	
24	RC900289	Bolt, 1/2-20 x 2-1/2 Gr 8 YZ Hex	8	
25	RC903079	Bolt, 1/2-20 x 3-1/2 Gr 5 CZ Tap	4	
26	RC900691	Washer, 1/2 SAE YZ Hard Flat	24	
27	RC900588	Nut, 1/2-13 YZ Nylock	12	
28	RC903029	Nut, 1/2-20 Gr 8 YZ Center Lock	8	
29	RC902719	Screw, 3/4-10 x 3/4 Socket Cup Point Set	4	
30	RC900312	Bolt, 3/4-10 x 2-1/2 Gr 8 YZ Hex	10	
31	RC902416	Washer, 3/4 SAE YZ Hard Flat	20	
32	RC900597	Nut, 3/4-10 YZ Nylock	10	
33	RC903030	Bolt, 7/8-9 x 11 Gr 8 YZ Hex	24	
34	RC902418	Washer, 7/8 SAE YZ Hard Flat	24	
35	RC902716	Nut, 7/8-9 Gr 8 YZ Center Lock	24	
36	RC901691	Bolt, M16-2.0 x 40mm Gr 10.9 YZ Hex	4	
37	RC901297	Washer, M16 CZ Lock	4	
38	RC902778	Bolt, M20-2.5 x 80mm Gr 10.9 YZ Hex	4	
39	RC901299	Washer, M20 CZ Lock	4	
	AB3173460	Oil, GL-5 80W-140 Gear	1	Planetary gearbox oil
	AB3173461	Oil, GL-5 80W-90 Gear	1	Right angle gearbox oil

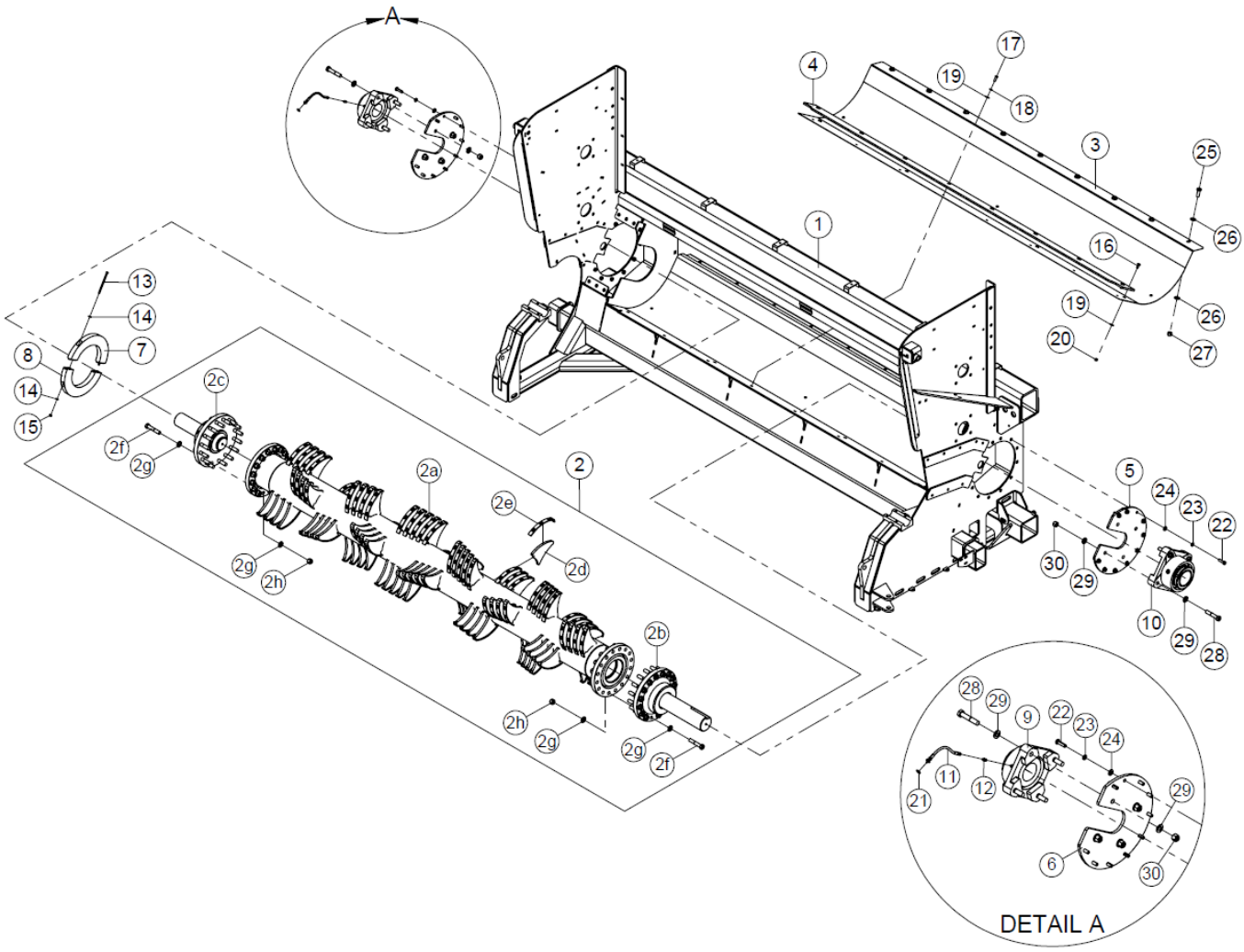
1.2 – Hydraulic Pump Drive Assembly



1.2 – Hydraulic Pump Drive Assembly

Key	Part Number	Description	Qty	Comments
1	AB3173307	Mount, Gearbox	1	
2	RC950876	Pump, 2100 Series Gear	1	
2a	RC950665	Kit, Seal	1	
3	AB3172901	Sprocket, T9096 Pump Drive	1	
4	RC950846	Sprocket, #60 x 25 Teeth x 1 Bore Hub	1	
5	RC950337	Assembly, #60 x 13T Idler Sprocket	1	
6	AB3173384	Chain, 60H x 49 Pitches + Connector Link	1	
6a	RC950750	Link, 60H Split Cotter Connector	1	
7	RC700619	Plug, -04 MORB Socket Head	1	
8	RC703199	Tee, -08 ORFS -04 FORB Test Port	1	
9	RC700085	Adapter, -08 MORFS -12 MORB Straight	1	
10	RC700101	Adapter, -20 MORFS -20 MORB Straight	1	
11	RC903028	Key, M10 x 16 x 80mm Plain Rounded	1	
12	RC902449	Spacer, .625" ID x 1.00" OD x 3/8" CZ	2	
13	RC901902	Screw, 5/16-18 x 1/2 Socket Cup Point Set	2	
14	RC900431	Bolt, 1/2-13 x 2 Gr 5 CZ Carriage	4	
15	RC900588	Nut, 1/2-13 YZ Nylock	4	
16	RC900304	Bolt, 5/8-11 x 4 Gr 8 YZ Hex	1	
17	RC902227	End, 5/8-11 x 5 BO Eye Bolt Rod	1	
18	RC900694	Washer, 5/8 SAE YZ Hard Flat	5	
19	RC900615	Nut, 5/8-11 YZ Hex Jam	2	
20	RC900593	Nut, 5/8-11 YZ Nylock	1	

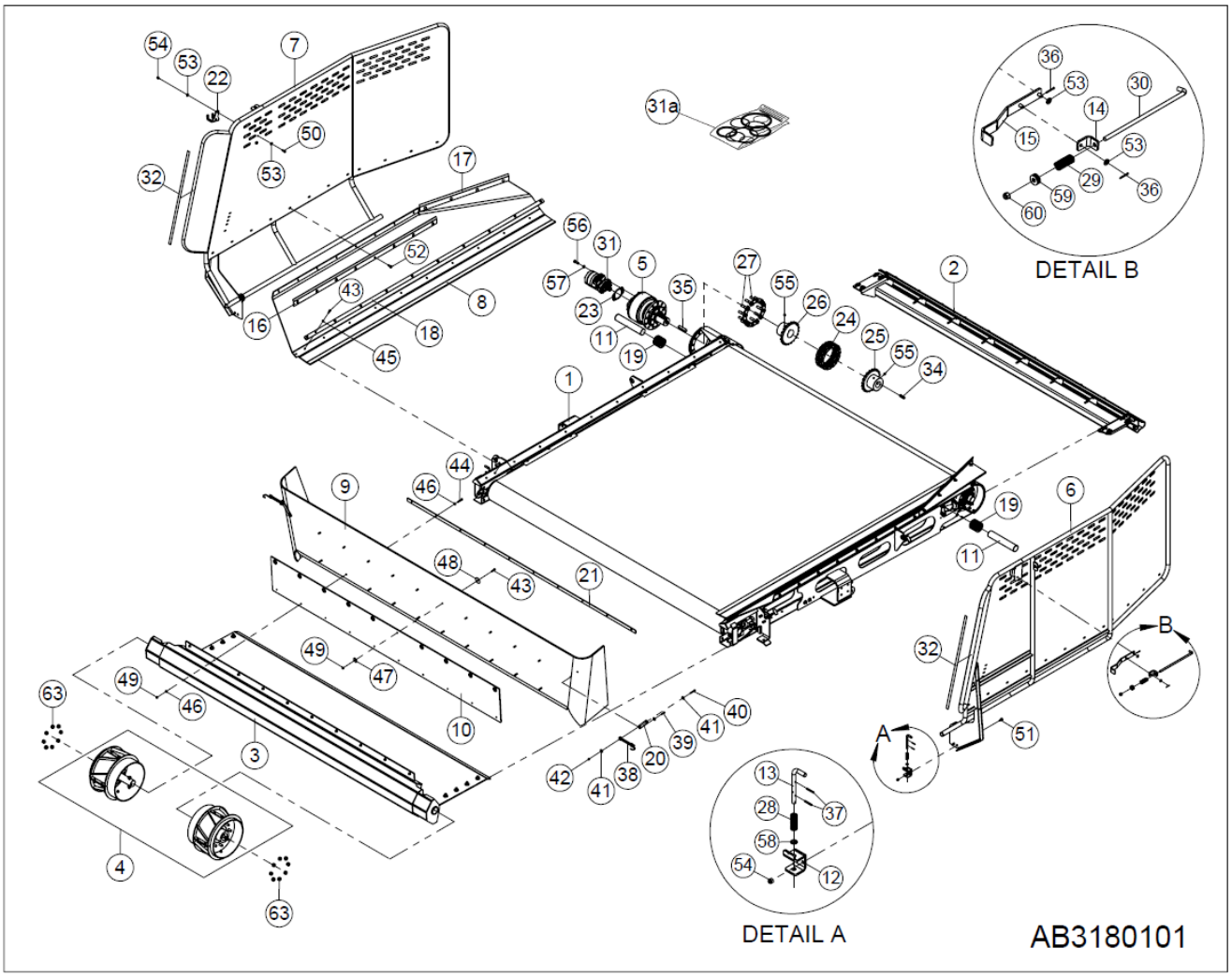
1.3 – Rotor



1.3 – Rotor

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172410	Assembly, T9096 Rotor	1	
2a	AB3172459	Rotor	1	
2b	AB3172418	Shaft, T9096 Drive Stub	1	
2c	AB3172464	Shaft, T9096 Idle Stub	1	
2d	AA1020044	Tooth, Rotor	110	
2e	AA0701508	Cap, Rotor Tine	110	
2f	RC900320	Bolt, 3/4-10 x 4 Gr 8 YZ Hex	32	
2g	RC902416	Washer, 3/4 SAE YZ Hard Flat	64	
2h	RC900597	Nut, 3/4-10 YZ Nylock	32	
3	AB3172420	Liner, Rotor Pan	1	
4	AB3172419	Cover, Rotor Pan Gap	1	
5	AB3172336	Plate, Drive Bearing Mount	1	
6	AB3172338	Plate, Idle Bearing Mount	1	
7	AA1202050	Seal, Rotor Cover Inner	1	
8	AA1202051	Seal, Rotor Cover Outer	1	
9	AA0900372	Bearing, 3-7/16" - 4 Bolt Flange Spherical Roller	1	
10	AB3172525	Bearing, 3-15/16 - 4 Bolt Flange Spherical Roller	1	
11	AB3173439	Assembly, Grease Hose	1	
12	RC700151	Adapter, -04 MJIC x 1/8 MPT Straight	1	
13	RC900082	Bolt, 5/16-18 x 5-1/2 Gr 5 YZ Hex	2	
14	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
15	RC900579	Nut, 5/16-18 YZ Nylock	2	
16	RC901031	Bolt, 3/8-16 x 1 SS Carriage	4	
17	RC901092	Screw, 3/8-16 x 1-1/4 SS Button Head Socket	8	
18	RC901166	Washer, 3/8 SS Lock	8	
19	RC900683	Washer, 3/8 SS Fender	12	
20	RC902606	Nut, 3/8-16 SS Nylock	4	
21	RC900677	Washer, 3/8 SAE YZ Hard Flat	1	
22	RC901783	Bolt, 1/2 x 1-3/4 YZ Gr 8 Hex	20	
23	RC900731	Washer, 1/2 YZ Lock	20	
24	RC900691	Washer, 1/2 SAE YZ Hard Flat	20	
25	RC901346	Bolt, 5/8-11 x 1-3/4 Gr 8 YZ Hex	9	
26	RC900694	Washer, 5/8 SAE YZ Hard Flat	18	
27	RC900593	Nut, 5/8-11 YZ Nylock	9	
28	RC900320	Bolt, 3/4-10 x 4 Gr 8 YZ Hex	8	
29	RC902416	Washer, 3/4 SAE YZ Hard Flat	16	
30	RC900597	Nut, 3/4-10 YZ Nylock	8	

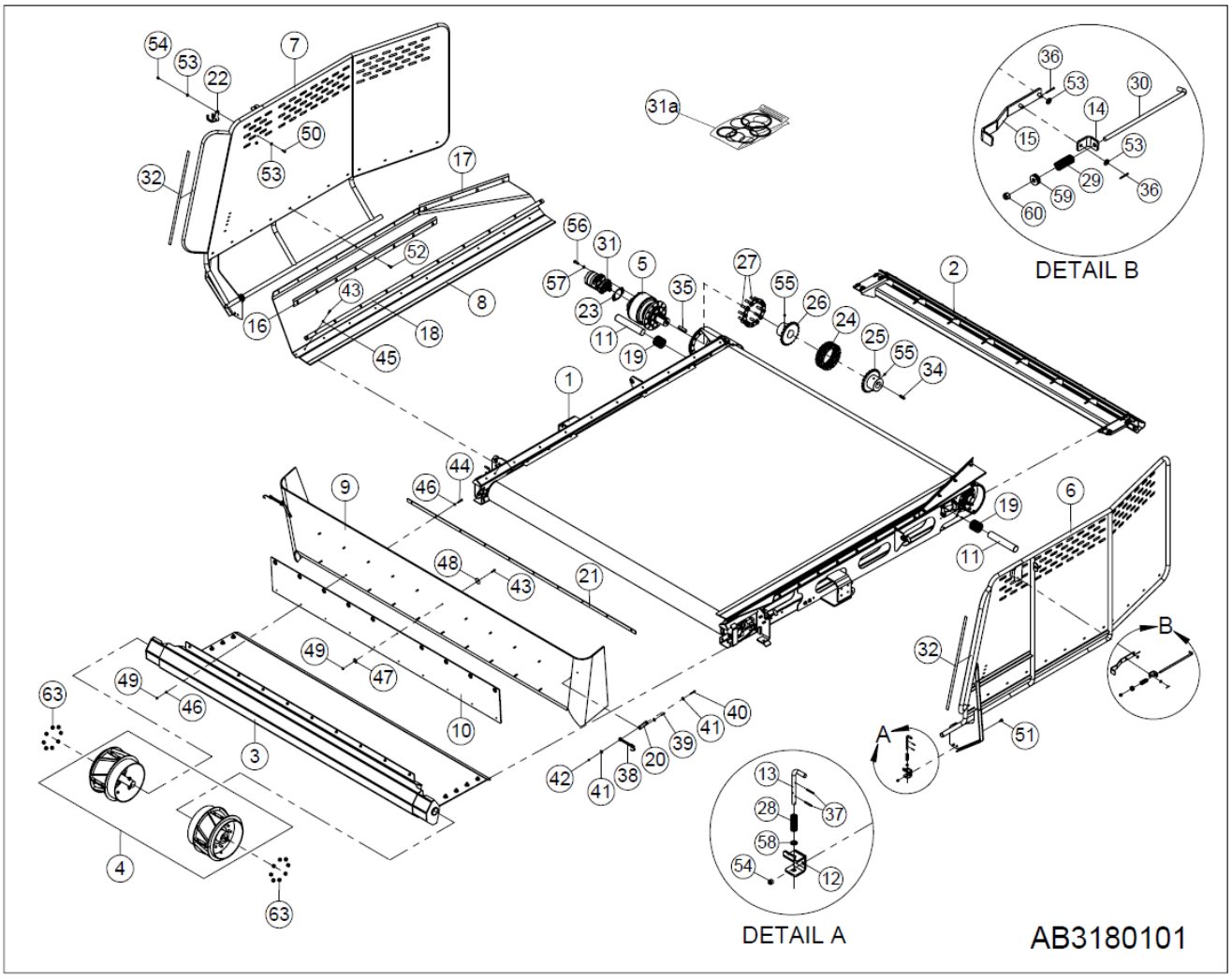
2.1 – Feed Table



2.1 – Feed Table

Key	Part Number	Description	Qty	Comments
1	AB3180102	Assembly, Feed Table Center	1	See breakdown on Parts Page 2.2
2	AB3180135	Assembly, Forage Dam	1	See breakdown on Parts Page 2.3
3	AA0802250	Assembly, Feed Table Bumper	1	See breakdown on Parts Page 2.4
4	AA0800075	Assembly, Feed Table Wheel	1	See breakdown on Parts Page 2.5
5	AB3180167	Gearbox, Planetary Drive	1	
5a	AB3180208	Kit, Seal	1	
6	RC950762	Motor, Hydraulic	1	
6a	RC950763	Kit, Seal	1	
7	AB3180137	Wing, LH Feed Table	1	
8	AB3180139	Wing, RH Feed Table	1	
9	AB3180157	Skirt, Conveyor Side	2	
10	AB3180158	Skirt, Front Conveyor	1	
11	AB3180179	Skirt, UHMW	1	
12	AA1080048	Shaft, YZ Feed Table Mounting	2	
13	AA0800336	Mount, Latch	2	
14	AA1700750	Pin, Cam Lever	2	
15	AA0800308	Plate, Rod Mount	1	
16	AA0800310	Handle, Latch	1	
17	AB3180163	Strip, Front Feed Table Skirting	2	
18	AB3180165	Strip, Rear Feed Table Skirting	2	
19	AA1080054	Strip, Feedtable Skirting Side	2	
20	AA900655	Bushing, 2-1/4 ID x 3-1/4 OD x .135" YZ Machinery	10	
21	AA1080004	Bracket, Small Skirting	2	
22	AA1080206	Strip, Feedtable Skirting Front 10'	1	
23	AB3180181	Bracket, Rake/Shovel	1	
24	AB3180175	Gasket, Feed Table Planetary Gearbox	1	
25	AB3180159	Chain, 100-2 XDO x 19 Pitches + Connector Link	1	
26	AB3180160	Sprocket, Feed Table Roller Coupler	1	
27	AB3180161	Sprocket, Planetary Coupler	1	
28	AB3180169	Plate, YZ Bolt	4	
29	AA0717764	Spring	2	
30	AA0709563	Spring, Inner Hold-Down Comp	1	
31	AA0800311	Rod, Wing Latch	1	
32	AB3172693	Tape, 1" x 34" C.L. White Reflective	2	
33	RC901939	Reflector, Yellow 2 x 9	1	

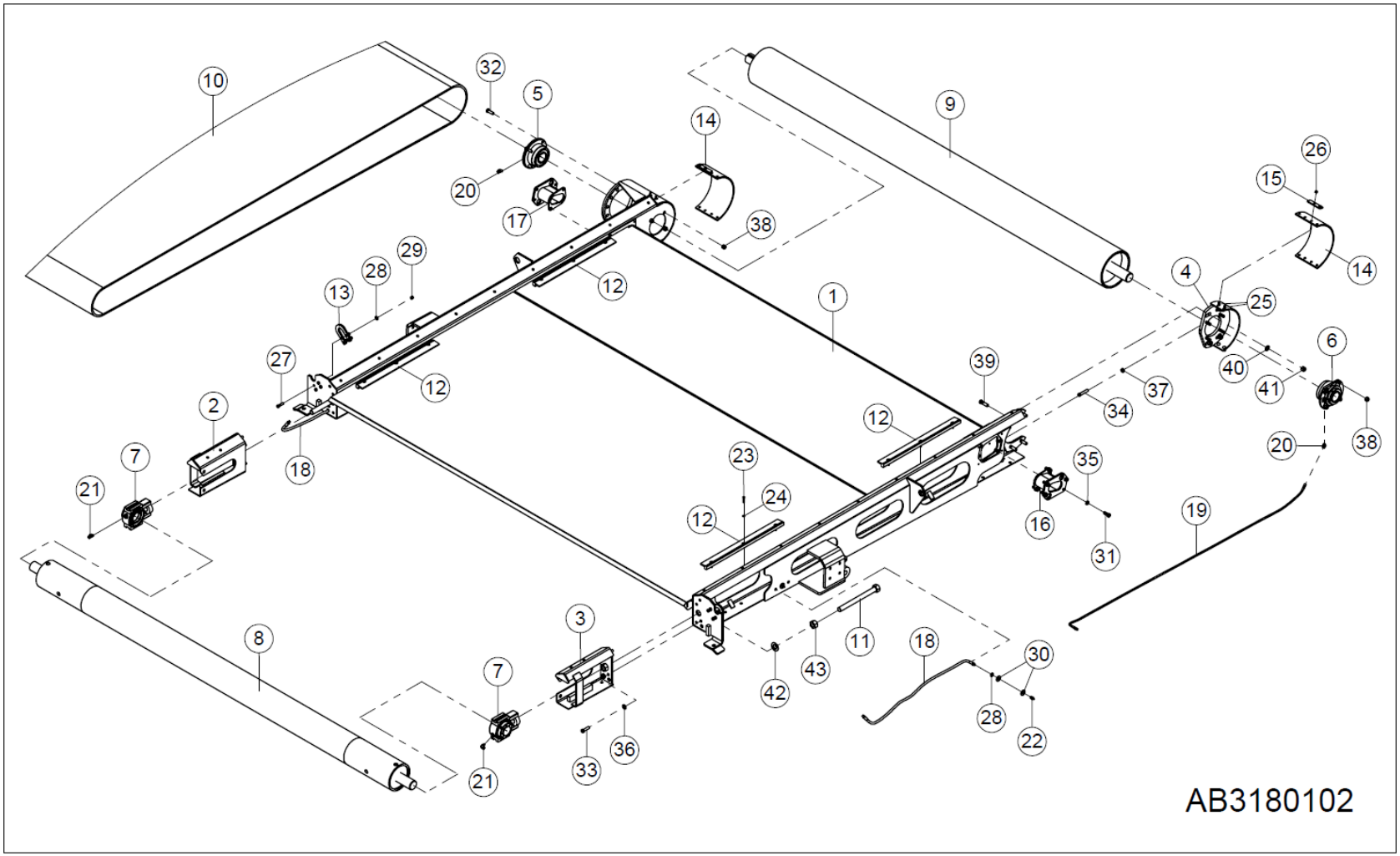
2.1 – Feed Table – Continued



2.1 – Feed Table – Continued

Key	Part Number	Description	Qty	Comments
34	RC902742	Key, 1/2 x 1/2 x 2 CZ	1	
35	RC902943	Key, 3/4 x 3/4 x 3-1/4 CZ	1	
36	RC900826	Pin, 1/8 x 1-1/4 SS Cotter	2	
37	RC902761	Pin, 5/32 x 1-1/4 CZ Roll	4	
38	RC901698	Strap, 10 x 15 Rubber Bungee	2	
39	RC900948	Bolt, 1/4-20 x 1-1/4 SS Hex	2	
40	RC900952	Bolt, 1/4-20 x 2 SS Hex	2	
41	RC901143	Washer, 1/4 SS Fender (1 O.D.)	8	
42	RC900576	Nut, 1/4-20 SS Nylock	4	
43	RC900964	Bolt, 5/16-18 x 1-1/4 SS Hex	32	
44	RC900965	Bolt, 5/16-18 x 1-3/4 SS Hex	10	
45	RC901165	Washer, 5/16 SS Lock	22	
46	RC901146	Washer, 5/16 SS Small O.D. Flat	20	
47	RC902715	Washer, 5/16 SS Fender	10	
48	RC902881	Washer, 5/16 SS Fender (2 O.D.)	10	
49	RC900581	Nut, 5/16-18 SS Nylock	20	
50	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	2	
51	RC901781	Bolt, 3/8-16 x 1 Gr 5 CZ Carriage	4	
52	RC902649	Bolt, 3/8-16 x 1-1/4 Gr 5 CZ Carriage	24	
53	RC900677	Washer, 3/8 SAE YZ Hard Flat	30	
54	RC900583	Nut, 3/8-16 YZ Nylock	30	
55	RC902235	Screw, 1/2-13 x 1/2 Socket Cup Point Set	4	
56	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	4	
57	RC900731	Washer, 1/2 YZ Lock	4	
58	RC902770	Washer, 1/2 x 14 Ga CZ Machinery Bushing	2	
59	RC900689	Washer, 1/2 USS YZ Hard Flat	5	
60	RC900588	Nut, 1/2-13 YZ Nylock	1	
61	RC900694	Washer, 5/8 SAE YZ Hard Flat	12	
62	RC900593	Nut, 5/8-11 YZ Nylock	12	
63	RC950635	Nut, 5/8-18UNF Wheel	16	
64	AB3172686	Kit, Table Conveyor Decal	1	
65	AB3180176	Oil, GL-5 80w-140 Gear - 3 qt	1	Gearbox Oil

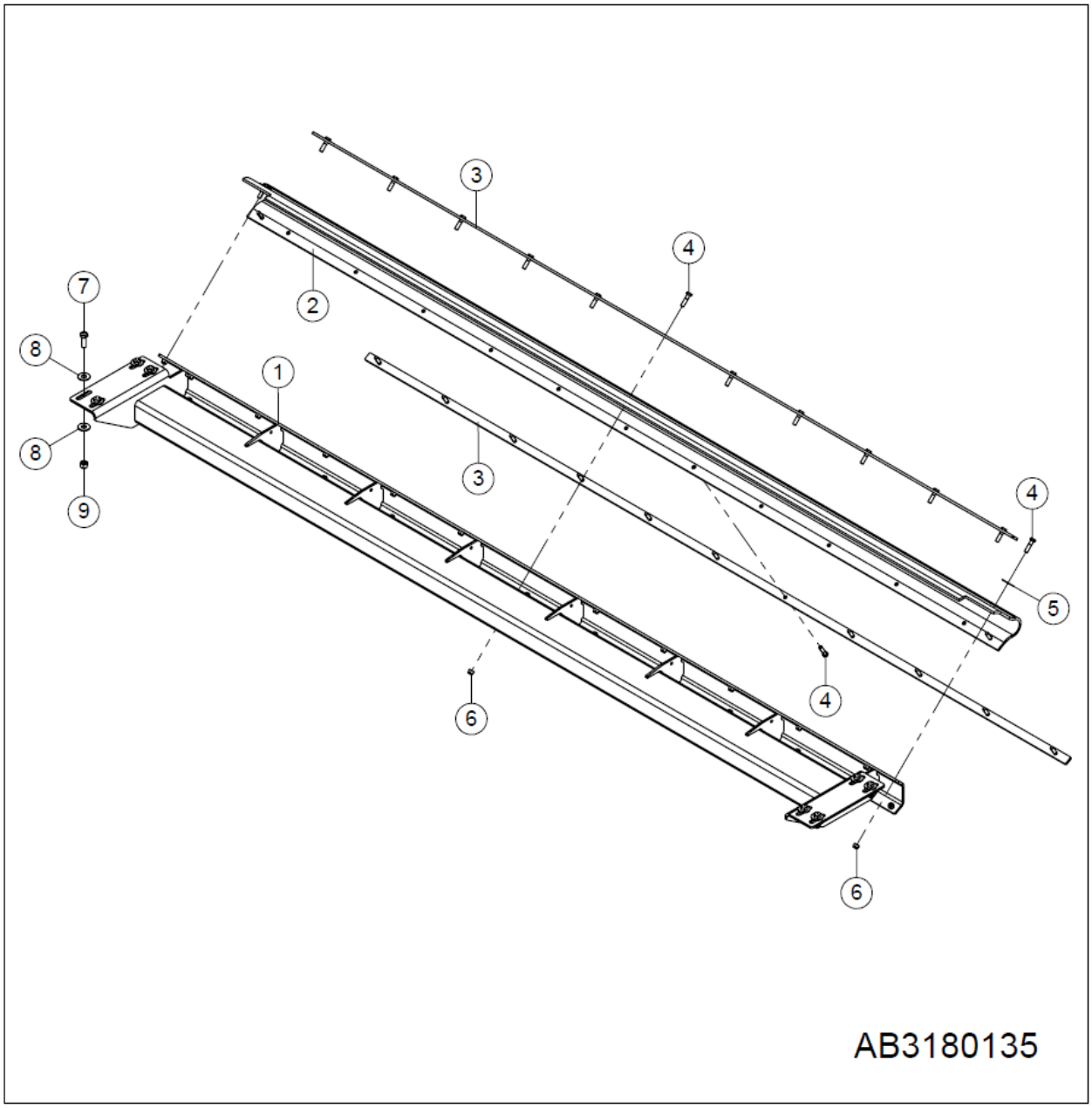
2.2 – Feed Table Center Assembly



2.2 – Feed Table Center Assembly

Key	Part Number	Description	Qty	Comments
1	AB3180106	Frame, Feed Table	1	
2	AA0800085	Extension, FT Idle Section	1	
3	AA0800084	Extension, FT Idle Section	1	
4	AA0800323	Mount, Feed Table Bearing Adjustable	1	
5	AA1510031	Bearing, 2-3/16" Bore w/ 4-Bolt Pilot Flange	1	
6	AA1080182	Bearing, 2-3/16" Bore w/ 4-Bolt Pilot Flange Trimmed	1	
7	AA1510251	Bearing, 2-3/16" Take-Up	2	
8	AA1080137	Roller, Feedtable Idle - 10'	1	
9	AA1080139	Roller, Feedtable Drive 10 ft	1	
10	AA0901539	Belt, 108 1/2 X 242 OAL Cont LS	1	
11	AA1080000	Adjuster, Feedtable Roller YZ	2	
12	AA1080024	Guide, UHMW Feed Table	4	
13	AB3180178	Loop, Wing Retainer	2	
14	AA0800393	Belt, Rear Filler Skirting	2	
15	AA0800396	Plate, Drive Roller Skirting	4	
16	AB3172839	Pivot, LH Feed Table Slot	1	
17	AB3172841	Pivot, RH Feed Table Slot	1	
18	AA1501519	Hose, 3/16 x 40" Grease	2	
19	AA1500940	Hose, 3/16 x 77" Grease	2	
20	RC701134	Elbow, 1/8 MPT 1/8 FPT 45°	2	
21	RC701171	Elbow, 1/8 MPT 1/8 FPT 90°	2	
22	RC901968	Zerk, 1/8-27 FPT Straight Grease	4	
23	RC900948	Bolt, 1/4-20 x 1-1/4 SS Hex	12	
24	RC901164	Washer, 1/4 SS Lock	12	
25	RC900381	Bolt, 5/16-18 x 1 SS Carriage	8	
26	RC901122	Nut, 5/16-18 SS Nylock Jam	8	
27	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	8	
28	RC900677	Washer, 3/8 SAE YZ Hard Flat	12	
29	RC900583	Nut, 3/8-16 YZ Nylock	8	
30	RC901760	Washer, 7/16 USS YZ Hard Flat	8	
31	RC900133	Bolt, 1/2-13 x 1-1/4 Gr 5 YZ Hex	12	
32	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	4	
33	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	8	
34	RC902877	Screw, 1/2-13 x 2-1/2 CZ Square Head Set	1	
35	RC900731	Washer, 1/2 YZ Lock	12	
36	RC900691	Washer, 1/2 SAE YZ Hard Flat	16	
37	RC900612	Nut, 1/2-13 YZ Hex Jam	1	
38	RC900588	Nut, 1/2-13 YZ Nylock	16	
39	AA1550102	Stud, 9/16-18 x 2 CZ Wheel	4	
40	RC900693	Washer, 9/16 SAE YZ Hard Flat	4	
41	RC902876	Nut, 9/16-18 Gr 8 YZ Nylock	4	
42	RC900708	Washer, 1 SAE YZ Hard Flat	2	
43	RC900547	Nut, 1-8 Gr 5 YZ Hex	2	

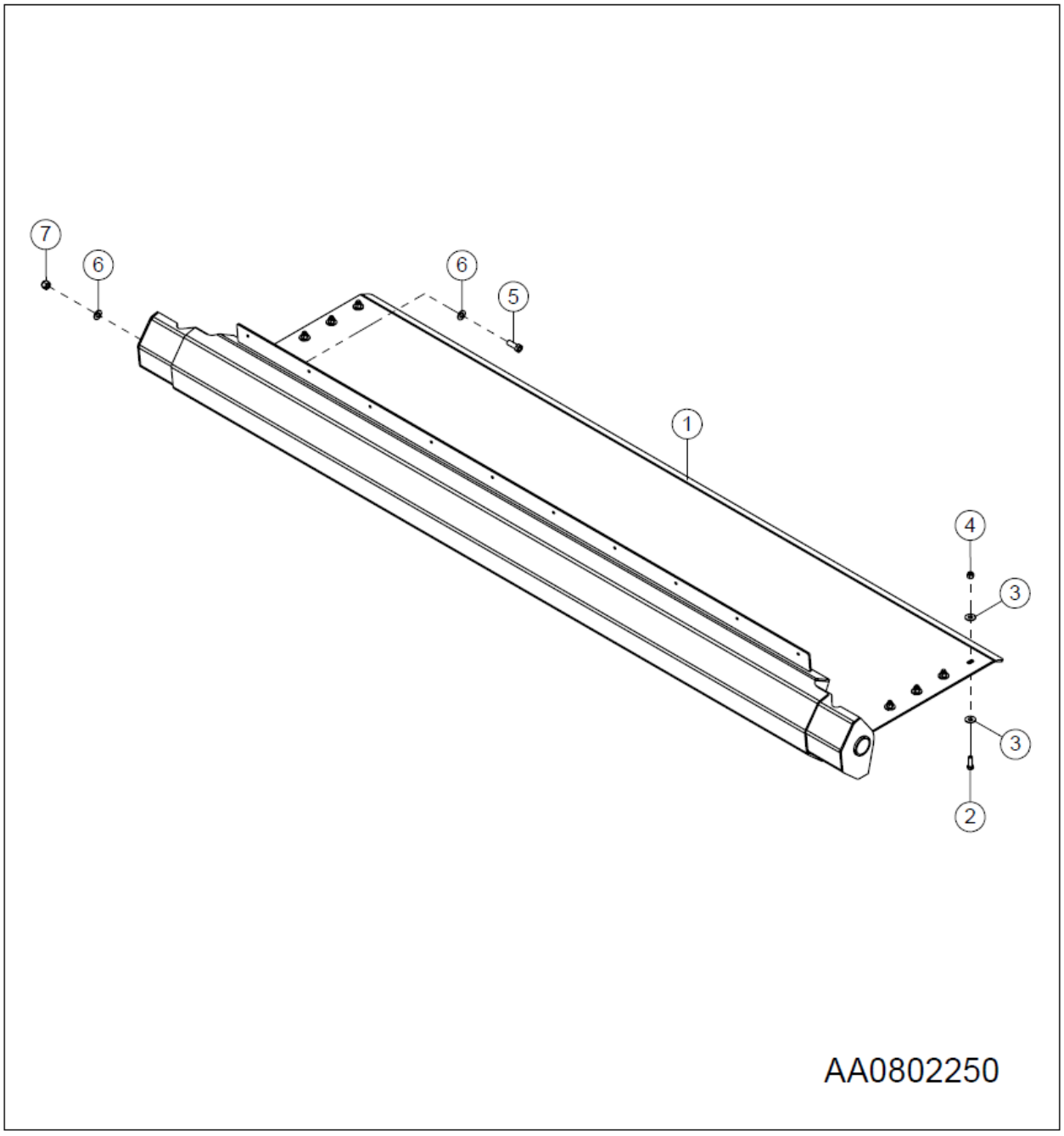
2.3 – Forage Dam



2.3 – Forage Dam

Key	Part Number	Description	Qty	Comments
1	AB3180130	Dam, Forage	1	
2	AA0800964	Skirting, Forage Dam	1	
3	AA1212013	Strip, Forage Dam Backup	2	
4	RC900979	Bolt, 3/8-16 x 1-1/2 SS Hex	26	
5	RC901150	Washer, 3/8 x 1-1/2 OD SS Fender	4	
6	RC902606	Nut, 3/8-16 SS Nylock	26	
7	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	8	
8	RC900689	Washer, 1/2 USS YZ Hard Flat	16	
9	RC900588	Nut, 1/2-13 YZ Nylock	8	

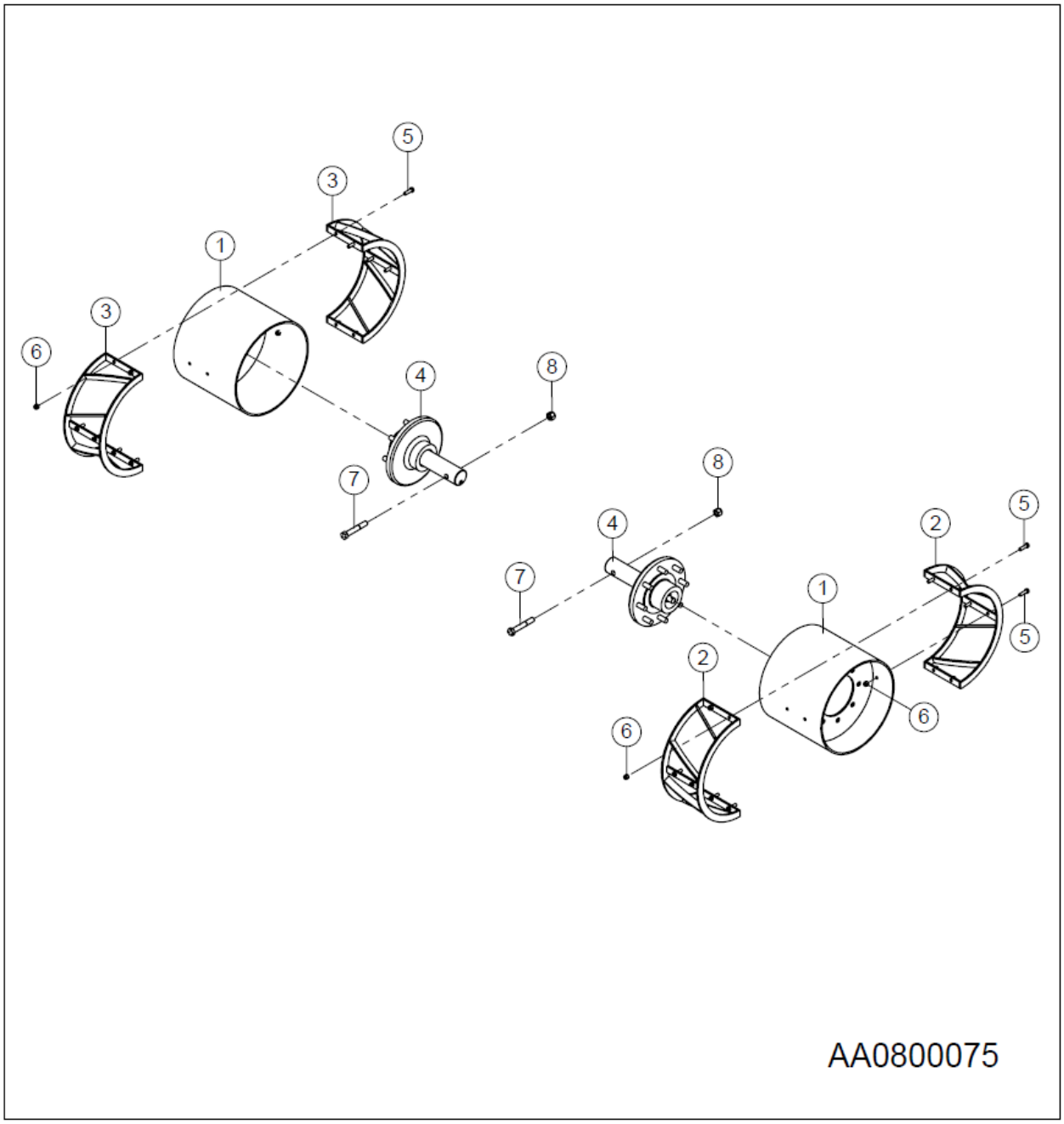
2.4 – Feed Table Bumper



2.4 – Feed Table Bumper

Key	Part Number	Description	Qty	Comments
1	AA0800339	Bumper, Feed Table	1	
2	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	8	
3	RC900689	Washer, 1/2 USS YZ Hard Flat	16	
4	RC900588	Nut, 1/2-13 YZ Nylock	8	
5	RC901346	Bolt, 5/8-11 x 1-3/4 Gr 8 YZ Hex	4	
6	RC900694	Washer, 5/8 SAE YZ Hard Flat	8	
7	RC900593	Nut, 5/8-11 YZ Nylock	4	

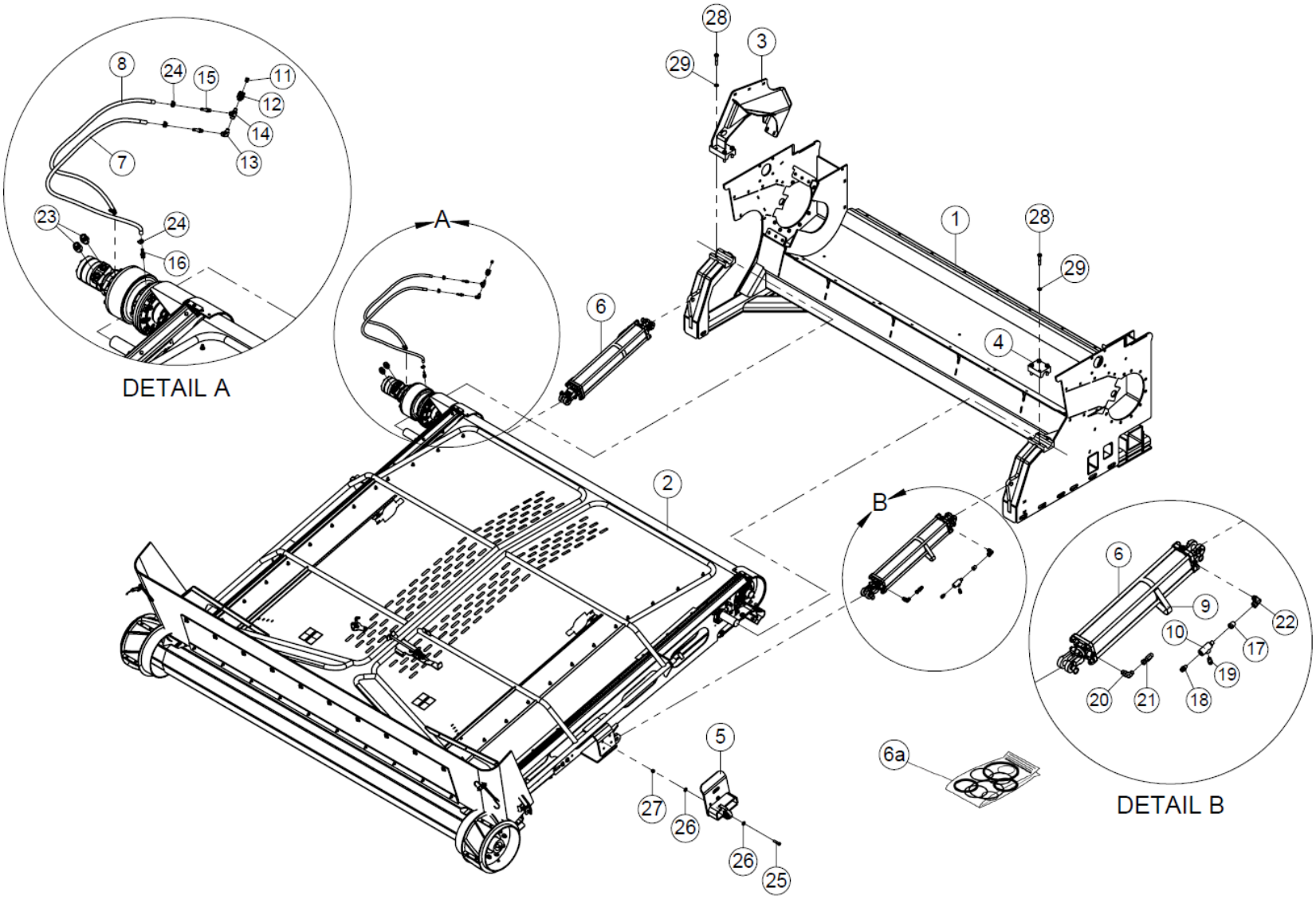
2.5 – Feed Table Wheels



2.5 – Feed Table Wheels

Key	Part Number	Description	Qty	Comments
1	AA0800351	Wheel, Feed Table	2	
2	AA1080222	Cleat, LH	2	
3	AA1080221	Cleat, RH	2	
4	AA0708398	Assembly, 2.25 x 12.00 Hub & Spindle	2	
5	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	16	
6	RC900583	Nut, 3/8-16 YZ Nylock	16	
7	RC900180	Bolt, 5/8-11 x 4 Gr 5 YZ Hex	2	
8	RC900593	Nut, 5/8-11 YZ Nylock	2	

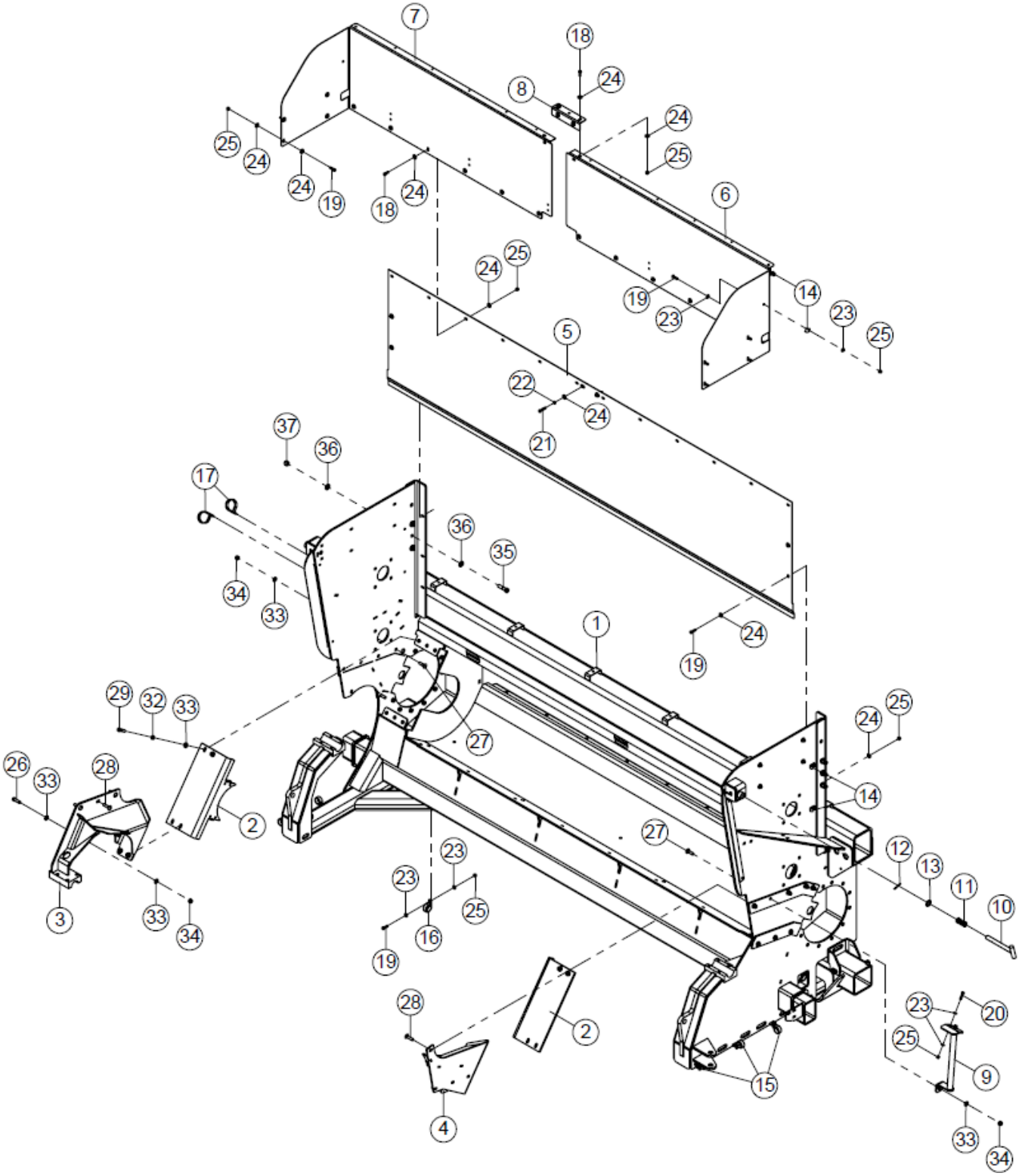
2.6 – Feed Table Mounting



2.6 – Feed Table Mounting

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3180101	Assembly, Feed Table	1	See breakdown on Parts Page 2.1
3	AB3172407	Deflector, RH	1	
4	AA1080087	Anchor, Feed Table Mount Shaft	1	
5	AB3173281	Lock, T9096 Feedtable	1	
6	RC950770	Cylinder, 4" x 24" Tie Rod	2	
6a	RC950769	Kit, Cylinder Seal	1	
7	AB3172677	Hose, 3/8" ID x 56" C.L. Breather	1	
8	AB3172678	Hose, 3/8" ID x 60" C.L. Breather	1	
9	RC703247	Strap, 8.5" Dia x 1"w Hook and Loop	2	
10	AA1700863	Valve, Pilot Check	2	
11	RC703165	Breather, 1/4" Male NPT	1	
12	RC702942	Bulkhead, 1/4" NPTF	1	
13	RC701175	Elbow, 1/4 MPT 1/4 FPT 90°	1	
14	RC701240	Tee, 1/4-18 NPT MFF	1	
15	RC701942	Fitting, 3/8" Tube 1/4-18 NPT Hose Barb	2	
16	RC701943	Fitting, 3/8" Tube x 3/8 NPT Brass Hose Barb	2	
17	RC701272	Bushing, 1/2 MPT 3/8 FPT Reducer	2	
18	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	2	
19	RC700979	Adapter, -06 MORFS, -06 MPT Straight	2	
20	RC700119	Elbow, -06 MORFS -08 MORB 90°	2	
21	RC700156	Tee, -06 ORFS Run Thru	2	
22	RC701516	Elbow, -08 MORB 1/2 FPT Swivel 90°	2	
23	RC700093	Adapter, -12 MORFS -10 MORB Straight	2	
24	RC902879	Clamp, 1/4 - 5/8 SS Worm Drive	4	
25	RC901364	Bolt, 1/2-13 x 2 Gr 8 YZ Hex	4	
26	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
27	RC900588	Nut, 1/2-13 YZ Nylock	4	
28	RC900175	Bolt, 5/8-11 x 3 Gr 5 YZ Hex	8	
29	RC900734	Washer, 5/8 YZ Lock	8	

2.7 – Hopper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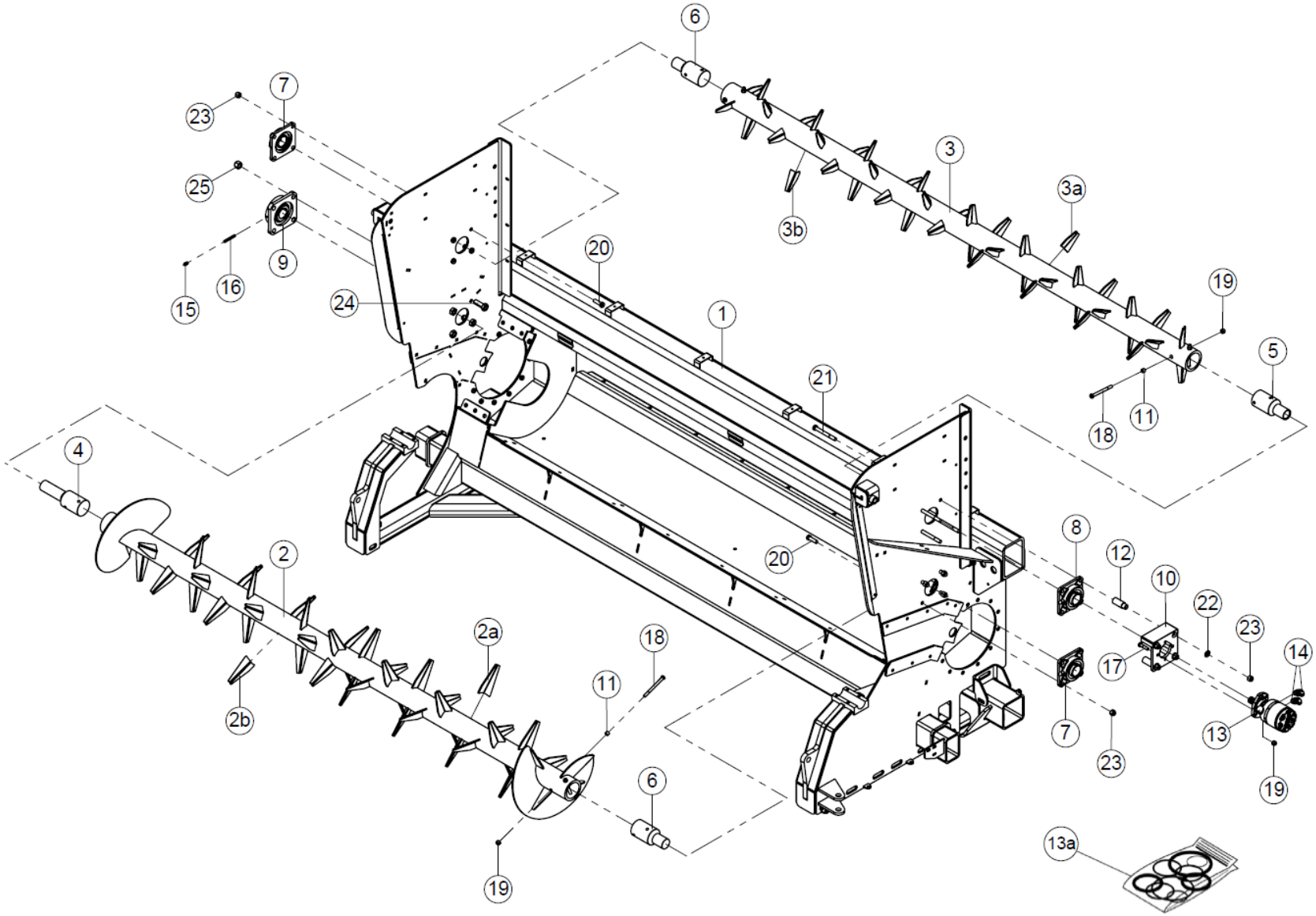
2.7 – Hopper

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172393	Cover, Rotor Flange	2	
3	AB3172407	Deflector, RH	1	
4	AB3172399	Deflector, LH	1	
5	AB3172426	Sheet, Hopper Back	1	
6	AB3172340	Sheet, LH Hopper	1	
7	AB3172342	Sheet, RH Hopper	1	
8	AB3173255	Angle, Hopper Sheet Coupler	1	
9	AB3172655	Bar, Grab	1	
10	AA0800697	Pin, YZ Feed Table Lock	1	
11	AA908152	Spring, 1" O.D. x 2-1/2 Compression	1	
12	RC900877	Pin, 3/16 x 2 Plain Roll	1	
13	RC901159	Washer, 7/8 SS Mil Spec Flat	1	
14	RC901915	P-Clamp, 1/2 Cushion	5	
15	RC901689	P-Clamp, 1-1/2 Cushion	6	
16	RC903005	P-Clamp, 1-3/4 Cushion	8	
17	RC902067	P-Clamp, 2-1/2 Cushion	2	
18	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	14	
19	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	31	
20	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	4	
21	RC900096	Bolt, 3/8-16 x 1-3/4 Gr 5 YZ Hex	2	
22	RC900728	Washer, 3/8 YZ Lock	2	
23	RC900677	Washer, 3/8 SAE YZ Hard Flat	42	
24	RC902699	Washer, 3/8 USS YZ Hard Flat	58	
25	RC900583	Nut, 3/8-16 YZ Nylock	49	
26	RC901783	Bolt, 1/2 x 1-3/4 YZ Gr 8 Hex	1	
27	RC901882	Bolt, 1/2-13 x 1-3/4 Gr 5 CZ Carriage	6	
28	RC900431	Bolt, 1/2-13 x 2 Gr 5 CZ Carriage	4	
29	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	8	
30	RC901364	Bolt, 1/2-13 x 2 Gr 8 YZ Hex	3	
31	RC900283	Bolt, 1/2-13 x 2-1/4 Gr 8 YZ Hex	1	
32	RC900731	Washer, 1/2 YZ Lock	8	
33	RC900691	Washer, 1/2 SAE YZ Hard Flat	28	
34	RC900588	Nut, 1/2-13 YZ Nylock	15	
35	RC901596	Bolt, 5/8-11 x 2-1/2 Gr 8 YZ Hex	6	
36	RC900694	Washer, 5/8 SAE YZ Hard Flat	12	
37	RC900593	Nut, 5/8-11 YZ Nylock	6	

2.8 – Beaters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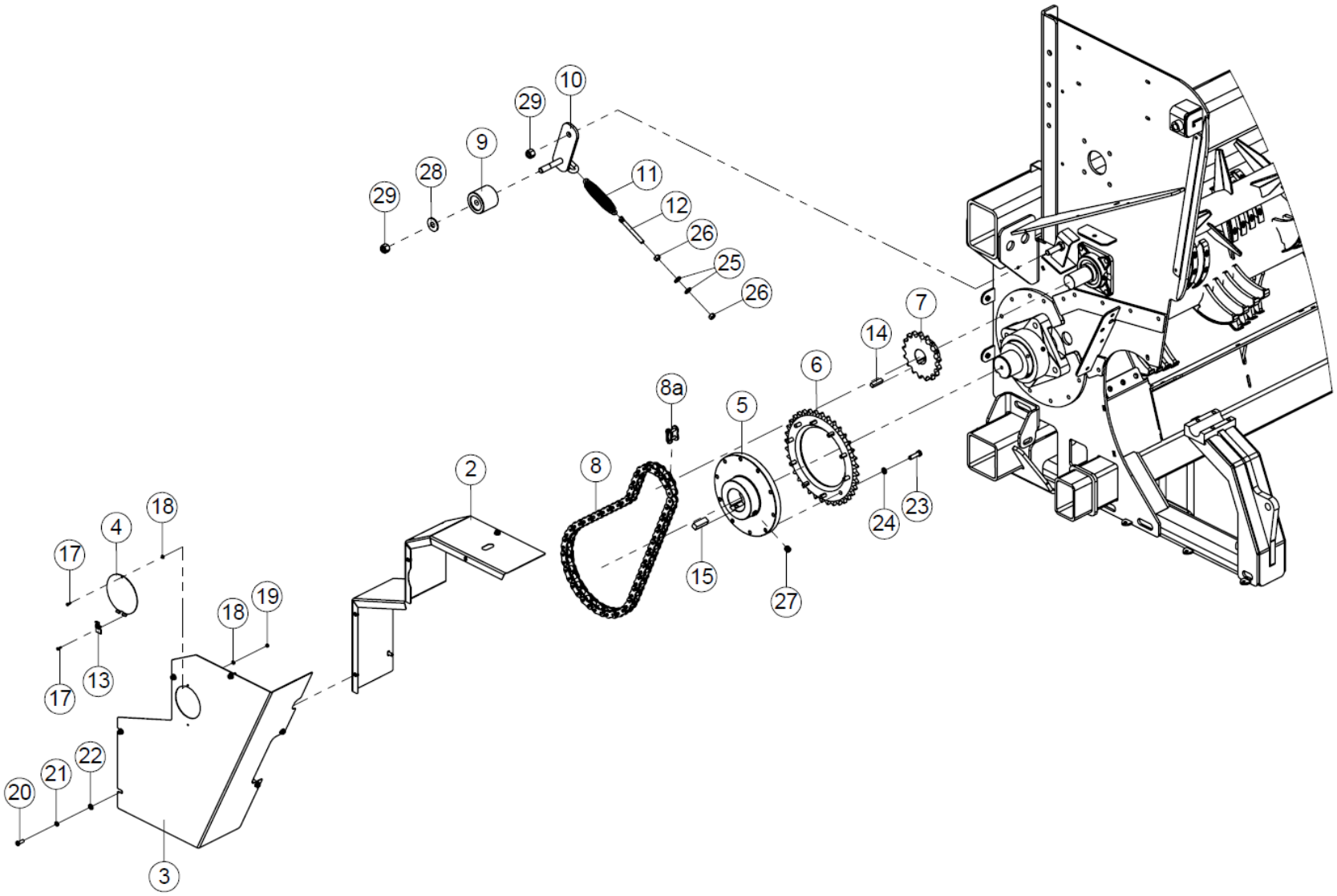
2.8 – Beaters

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AA0700406	Beater, Lower	1	
2a	AA0901220	Tooth, Lower Beater EE	23	
2b	AA0901224	Tooth, Lower Beater CE	23	
3	AA0901232	Beater, Upper	1	
3a	AA0901230	Tooth, Upper Beater EE	26	
3b	AA0901231	Tooth, Upper Beater CE	26	
4	AA0901227	Shaft, Drive Lower Beater	1	
5	AA0901073	Shaft, Splined Upper Beater	1	
6	AA0901229	Shaft, Idler Beater	2	
7	AA1510037	Bearing, 2-3/16" Bore w/ 4-Bolt Flange	3	
8	AA1020035	Bearing, 2-3/16" Bore w/ 4-Bolt Flange Milled	1	
9	RC950924	Bearing, 2-3/16" Bore w/ 4-Bolt HD Flange	1	
10	AA1020009	Mount, Beater Bar Hydraulic Motor	1	
11	AA0802291	Spacer, YZ Tube	8	
12	AA1120058	Spacer, Beater Bar Motor Mount	4	
13	AA0800424	Hyd Motor, 32.7 Cu In	1	
13a	RC950779	Kit, Seal	1	
14	RC700885	Elbow, -08 MORFS -10 MORB 45°	2	
15	RC901968	Zerk, 1/8-27 FPT Straight Grease	1	
16	RC903093	Extension, 1/8-27 MPT x 1/8-28 BSPT x 3 SS Grease Zerk	1	
17	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	2	
18	RC901748	Bolt, 1/2-13 x 5-1/2 Gr 8 YZ Hex	8	
19	RC900588	Nut, 1/2-13 YZ Nylock	10	
20	RC900168	Bolt, 5/8-11 x 2 Gr 5 YZ Hex	8	
21	RC900185	Bolt, 5/8-11 x 5-1/2 Gr 5 YZ Hex	4	
22	RC900694	Washer, 5/8 SAE YZ Hard Flat	4	
23	RC900593	Nut, 5/8-11 YZ Nylock	12	
24	RC901784	Bolt, 7/8-9 x 2-1/2 Gr 8 YZ Hex	4	
25	RC900599	Nut, 7/8-9 YZ Nylock	4	

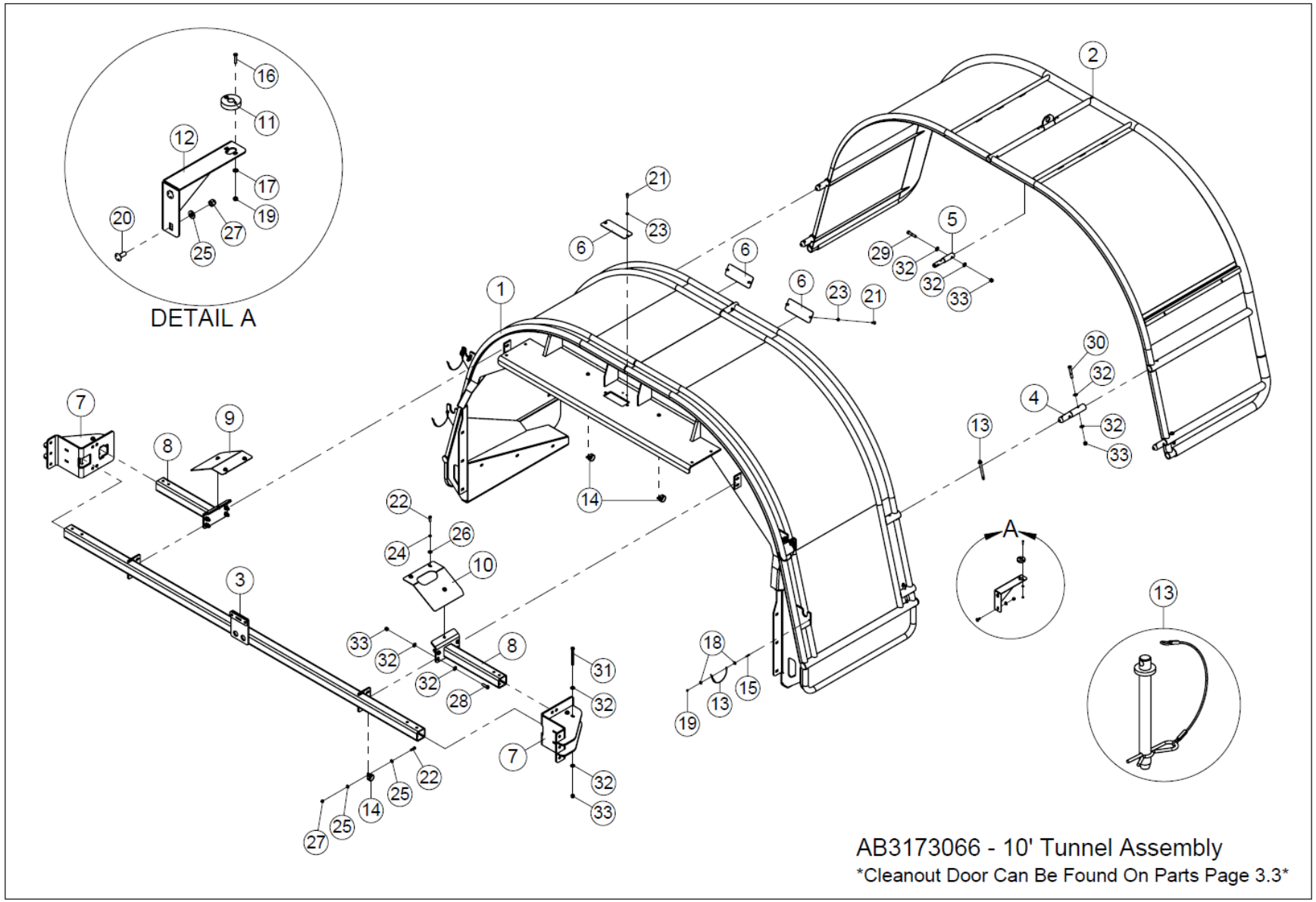
2.9 – Lower Beater Drive



2.9 – Lower Beater Drive

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172515	Cover, Beater Drive	1	
3	AB3173276	Cover, Beater Drive Chain	1	
4	AB3170403	Cover, Gearbox Oil Access	1	
5	AB3172414	Hub, Beater Drive Sprocket	1	
6	AA1120496	Sprocket, 100A35 Beater Bar Drive	1	
7	AA1520672	Sprocket, 100B17 2-3/16 1/2 Key	1	
8	AA0901357	Chain, 100-1 XDO x 59 Pitches	1	
8a	RC950771	Link, 100-1 XDO Split Cotter Connector	1	
9	AA1020064	Tensioner, Beater Chain UHMW	1	
10	AA1020075	Tensioner, Beater Drive	1	
11	AA1500483	Spring, #661 Extension	1	
12	AB3173350	Rod, Chain Tensioner	1	
13	RC950607	Latch, Snap-Down Draw	1	
14	RC902742	Key, 1/2 x 1/2 x 2 CZ	1	
15	RC902959	Key, 3/4 x 3/4 x 2-3/8 CZ	1	
16	RC902570	Spacer, 3/4" ID x 1-1/2" OD x 3/4" CZ	1	
17	RC902738	Screw, #10-24 x 5/8 CZ Ph Pan Hd	2	
18	RC900667	Washer, #10 SAE YZ Flat	3	
19	RC902420	Nut, #10-24 YZ Nylock	2	
20	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	9	
21	RC900728	Washer, 3/8 YZ Lock	9	
22	RC900677	Washer, 3/8 SAE YZ Hard Flat	9	
23	RC901783	Bolt, 1/2 x 1-3/4 YZ Gr 8 Hex	10	
24	RC900731	Washer, 1/2 YZ Lock	10	
25	RC900691	Washer, 1/2 SAE YZ Hard Flat	2	
26	RC900529	Nut, 1/2-13 YZ Hex	2	
27	RC902719	Screw, 3/4-10 x 3/4 Socket Cup Point Set	2	
28	RC902587	Washer, 3/4 USS YZ Hard Flat	1	
29	RC900597	Nut, 3/4-10 YZ Nylock	2	

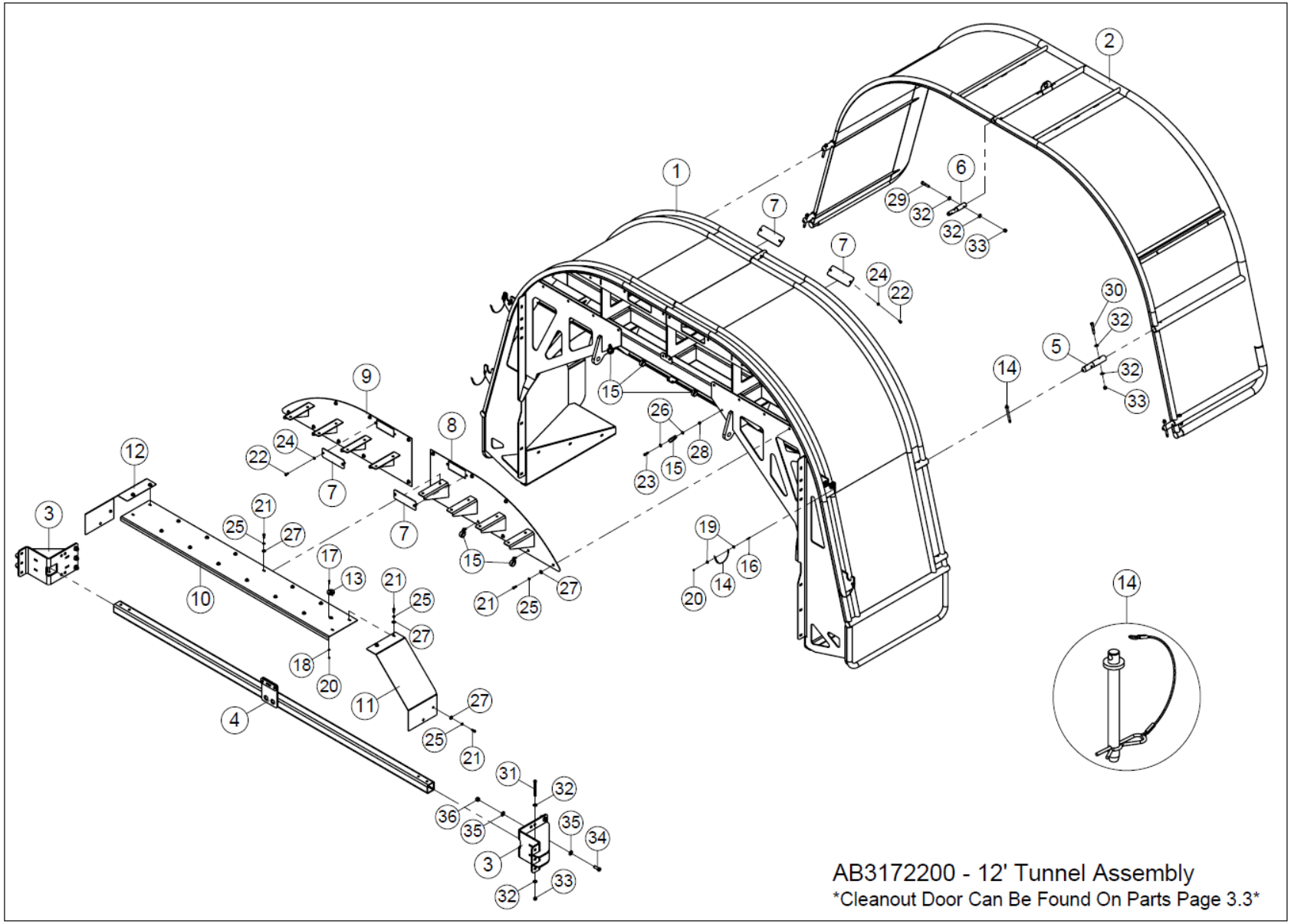
3.1 – 10’ Tunnel


DETAIL A
A
AB3173066 - 10' Tunnel Assembly
Cleanout Door Can Be Found On Parts Page 3.3

3.1 – 10’ Tunnel

Key	Part Number	Description	Qty	Comments
1	AB3173502	Tunnel, Table Bagger 10' Base	1	
2	AB3171606	Extension, 10' End	1	
3	AB3173520	Tube, 10' Tunnel Brace	1	
4	AB3171570	Pin, YZ Tunnel	4	
5	AB3171074	Pin, YZ Extension	1	
6	AB3170554	Plate, Fork Access Door	3	
7	AB3173535	Brace, 10' Tunnel	2	
8	AB3173523	Reinforcement, Tube	2	
9	AB3173528	Filler, RH Tunnel	1	
10	AB3173530	Filler, LH Tunnel	1	
11	AB3173192	Bushing, Cleanout Indicator Rod	1	
12	AB3173533	Bracket, Indicator Bushing	1	
13	AB3170998	Pin/Lanyard, Tunnel	8	Pins come with lanyard
14	RC901689	P-Clamp, 1-1/2 Cushion	3	
15	RC900474	Screw, #10-24 x 1 CZ Hex	4	
16	RC901803	Screw, #10-24 x 1 CZ Ph Pan Hd	2	
17	RC900667	Washer, #10 SAE YZ Flat	2	
18	RC902870	Washer, #10 CZ Fender	8	
19	RC902420	Nut, #10-24 YZ Nylock	6	
20	RC901781	Bolt, 3/8-16 x 1 Gr 5 CZ Carriage	2	
21	RC901091	Screw, 3/8-16 x 1 SS BH Socket	6	
22	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	9	
23	RC901166	Washer, 3/8 SS Lock	6	
24	RC900728	Washer, 3/8 YZ Lock	6	
25	RC900677	Washer, 3/8 SAE YZ Hard Flat	8	
26	RC902699	Washer, 3/8 USS YZ Hard Flat	6	
27	RC900583	Nut, 3/8-16 YZ Nylock	5	
28	RC901783	Bolt, 1/2 x 1-3/4 YZ Gr 8 Hex	8	
29	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	1	
30	RC901743	Bolt, 1/2-13 x 3 Gr 8 YZ Hex	4	
31	RC901598	Bolt, 1/2-13 x 5 Gr 8 YZ Hex	8	
32	RC900691	Washer, 1/2 SAE YZ Hard Flat	42	
33	RC900588	Nut, 1/2-13 YZ Nylock	21	

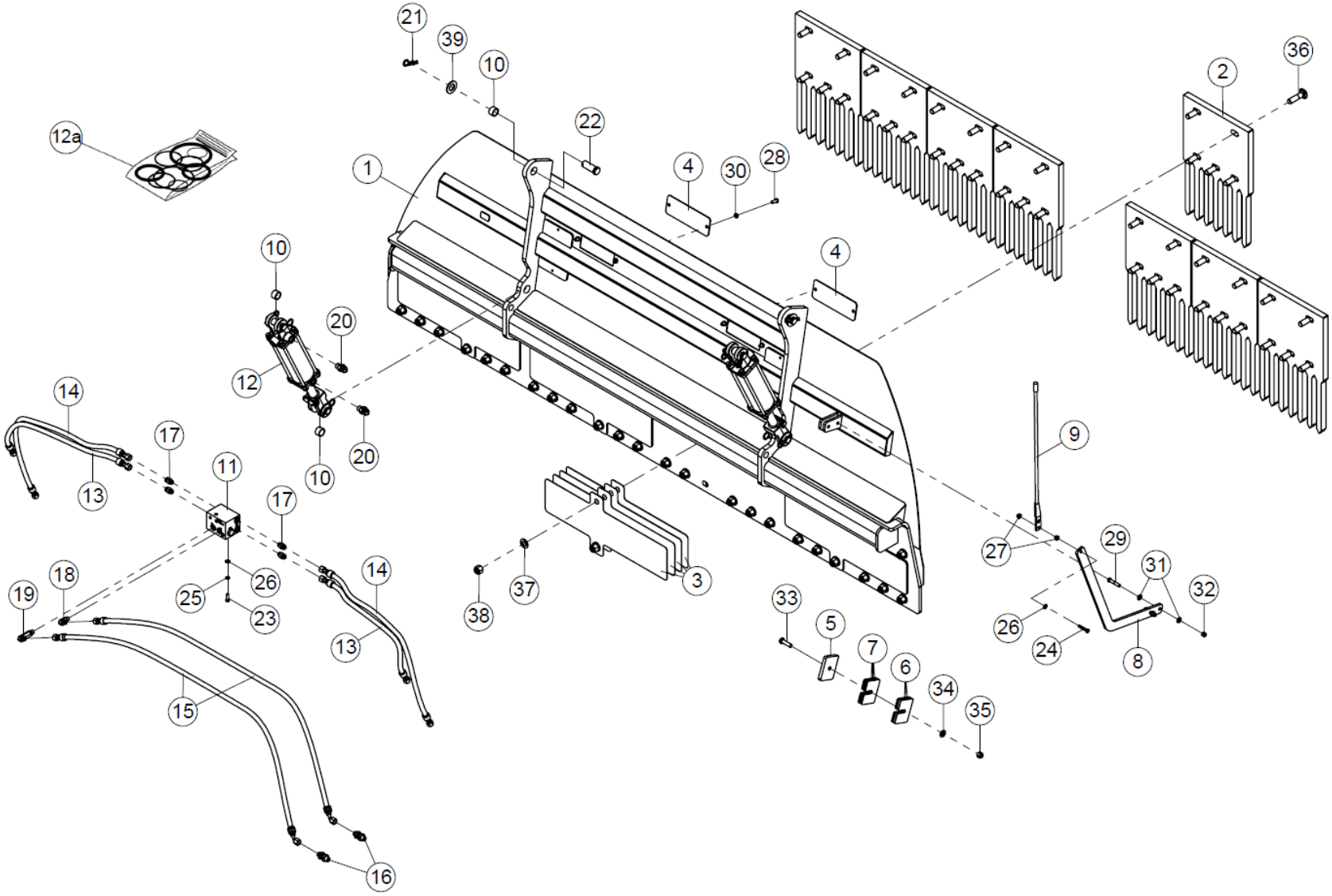
3.2 – 12’ Tunnel


AB3172200 - 12' Tunnel Assembly
Cleanout Door Can Be Found On Parts Page 3.3

3.2 – 12’ Tunnel

Key	Part Number	Description	Qty	Comments
1	AB3172158	Tunnel, 12' Base	1	
2	AB3171568	Extension, 12' End	1	
3	AB3172182	Brace, 12' Tunnel	2	
4	AB3172195	Tube, Tunnel Brace	1	
5	AB3171570	Pin, YZ Tunnel	4	
6	AB3171074	Pin, YZ Extension	1	
7	AB3170554	Plate, Fork Access Door	4	
8	AB3173195	Brace, LH Tunnel Filler	1	
9	AB3173197	Brace, RH Tunnel Filler	1	
10	AB3173199	Plate, Center 12' Tunnel Filler	1	
11	AB3173236	Plate, LH 12' Tunnel Filler	1	
12	AB3173237	Plate, RH 12' Tunnel Filler	1	
13	AB3173192	Bushing, Cleanout Indicator Rod	1	
14	AB3170998	Pin/Lanyard, Tunnel	4	Pins come with lanyard
15	RC901689	P-Clamp, 1-1/2 Cushion	6	
16	RC900474	Screw, #10-24 x 1 CZ Hex	4	
17	RC901803	Screw, #10-24 x 1 CZ Ph Pan Hd	2	
18	RC900667	Washer, #10 SAE YZ Flat	2	
19	RC902870	Washer, #10 CZ Fender	8	
20	RC902420	Nut, #10-24 YZ Nylock	6	
21	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	34	
22	RC901091	Screw, 3/8-16 x 1 SS BH Socket	8	
23	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	4	
24	RC901166	Washer, 3/8 SS Lock	8	
25	RC900728	Washer, 3/8 YZ Lock	34	
26	RC900677	Washer, 3/8 SAE YZ Hard Flat	10	
27	RC902699	Washer, 3/8 USS YZ Hard Flat	32	
28	RC900583	Nut, 3/8-16 YZ Nylock	4	
29	RC900284	Bolt, 1/2-13 x 2-1/2 Gr 8 YZ Hex	1	
30	RC901743	Bolt, 1/2-13 x 3 Gr 8 YZ Hex	4	
31	RC901598	Bolt, 1/2-13 x 5 Gr 8 YZ Hex	4	
32	RC900691	Washer, 1/2 SAE YZ Hard Flat	18	
33	RC900588	Nut, 1/2-13 YZ Nylock	9	
34	RC901346	Bolt, 5/8-11 x 1-3/4 Gr 8 YZ Hex	6	
35	RC900694	Washer, 5/8 SAE YZ Hard Flat	12	
36	RC900593	Nut, 5/8-11 YZ Nylock	6	

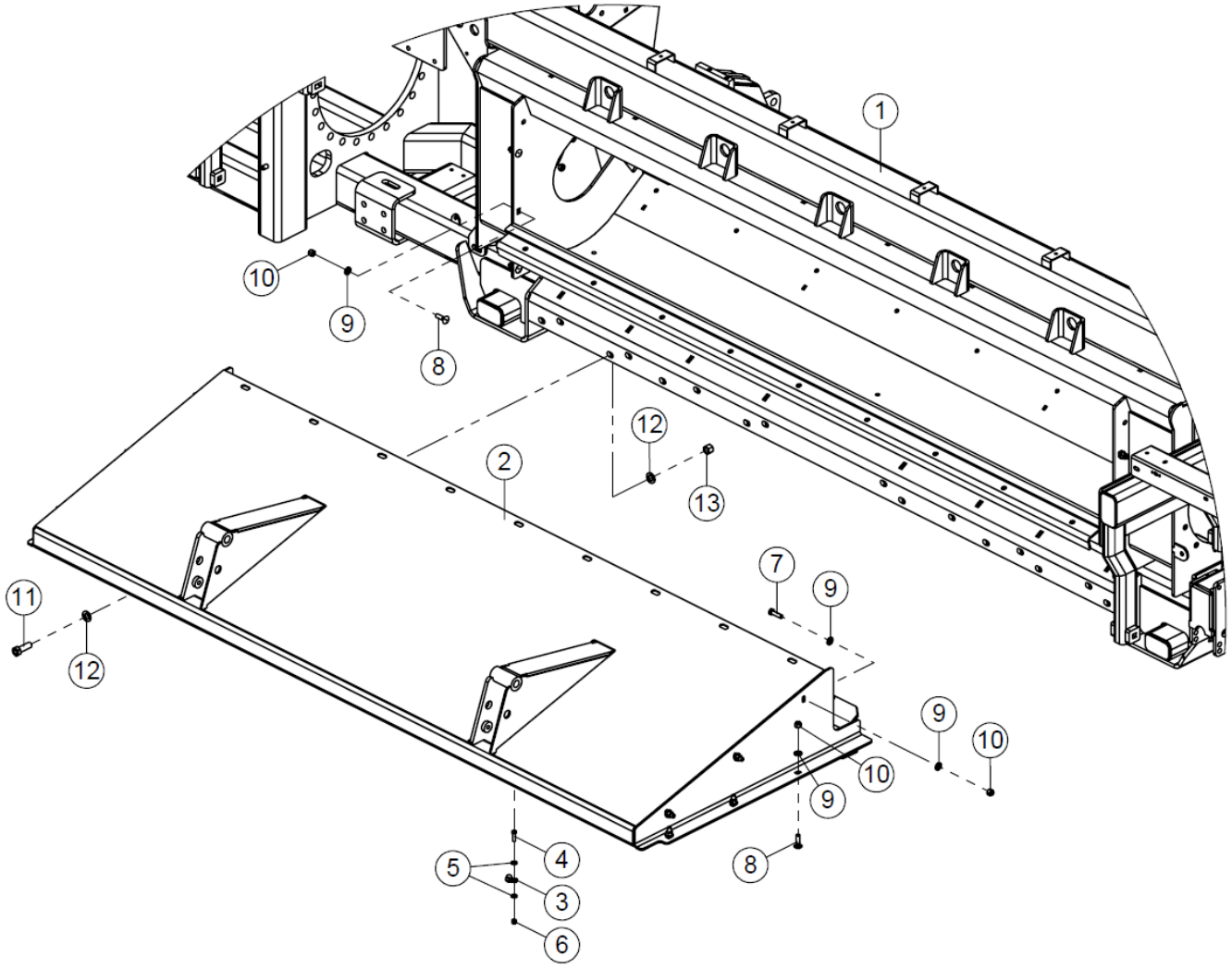
3.3 – Tunnel Cleanout



3.3 – Tunnel Cleanout

Key	Part Number	Description	Qty	Comments
1	AB3172186	Door, Cleanout	1	
2	AB3170626	Replacement, LH Stripper Bar Plate	8	
3	AB3170913	Shim, Stripper Bar	16	
4	AB3170554	Plate, Fork Access Door	2	
5	AB3170264	Guide, Stripper Bar	2	
6	AB3170912	Shim, .060" Stripper Bar Guide	AR	
7	AB3170265	Shim, Stripper Bar Guide	AR	
8	AB3173206	Arm, Cleanout Door Indicator	1	
9	RC950585	Rod, Guide	1	
10	RC950611	Bearing, 1" ID x 3/4" High Load Bronze Sleeve	6	
11	RC950603	Assembly, #06 ORB x 2 Flow Divider	1	See breakdown on Parts Page 10.10
12	RC950741	Cylinder, 3" x 8" Tie Rod	2	
12a	RC950643	Kit, Cylinder Seal	1	
13	AB3173541	Assembly, Hydraulic Hose	2	10' Tunnel
	AB3172724	Assembly, Hydraulic Hose	2	12' Tunnel
14	AB3173543	Assembly, Hydraulic Hose	2	10' Tunnel
	AB3172726	Assembly, Hydraulic Hose	2	12' Tunnel
15	AB3173539	Assembly, Hydraulic Hose	2	10' Tunnel
	AB3173246	Assembly, Hydraulic Hose	2	12' Tunnel
16	RC700019	Union, -06 MORFS Straight Bulkhead	2	
17	RC700077	Adapter, -06 MORFS -06 MORB Straight	4	
18	RC700118	Elbow, -06 MORFS -06 MORB 90°	1	
19	RC700308	Elbow, -06 MORFS -06 MORB Long 90°	1	
20	RC700119	Elbow, -06 MORFS -08 MORB 90°	4	
21	RC900897	Hairpin, .177 x 3-1/4 CZ	2	
22	RC901610	Pin, 1 x 2-1/2 CZ Clevis	2	
23	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	2	
24	RC903068	Bolt, 5/16-18 x 1-3/4 Gr 8 YZ Hex Tap	1	
25	RC900726	Washer, 5/16 YZ Lock	2	
26	RC902162	Washer, 5/16 SAE YZ Hard Flat	3	
27	RC900656	Nut, 5/16-18 YZ Nylock Flange	2	
28	RC901091	Screw, 3/8-16 x 1 SS Button Head Socket	4	
29	RC900099	Bolt, 3/8-16 x 2 Gr 5 YZ Hex	2	
30	RC901166	Washer, 3/8 SS Lock	4	
31	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
32	RC900583	Nut, 3/8-16 YZ Nylock	2	
33	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	2	
34	RC900691	Washer, 1/2 SAE YZ Hard Flat	2	
35	RC900588	Nut, 1/2-13 YZ Nylock	2	
36	RC902766	Bolt, 3/4 x 3 Gr 5 CZ Carriage	40	
37	RC902416	Washer, 3/4 SAE YZ Hard Flat	40	
38	RC900597	Nut, 3/4-10 YZ Nylock	40	
39	RC900708	Washer, 1 SAE YZ Hard Flat	2	

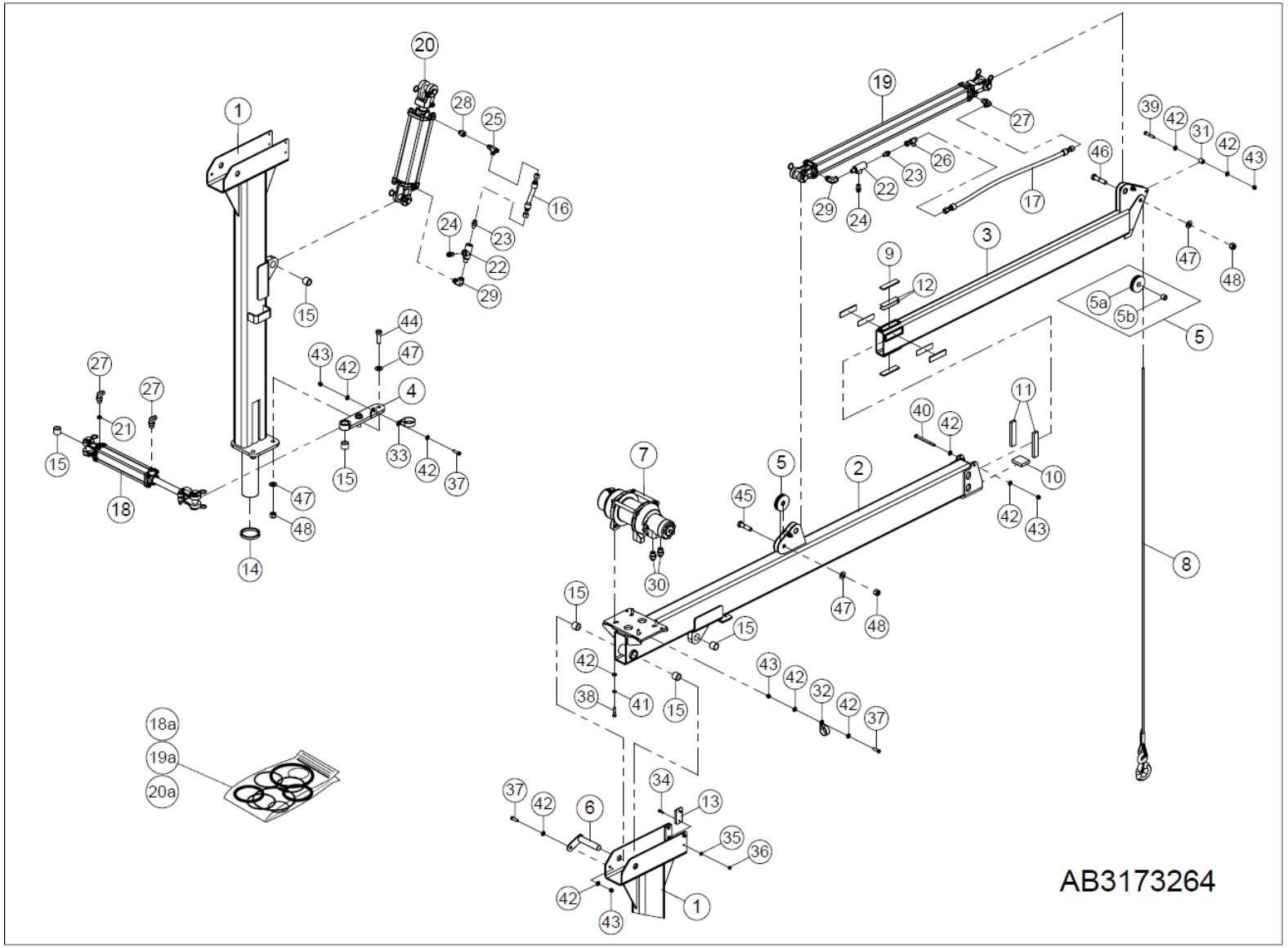
3.4 – Tunnel Floor & Mounting



3.4 – Tunnel Floor & Mounting

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172389	Floor, Tunnel	1	
3	RC901915	P-Clamp, 1/2 Cushion	2	
4	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	2	
5	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
6	RC900583	Nut, 3/8-16 YZ Nylock	2	
7	RC901783	Bolt, 1/2 x 1-3/4 YZ Gr 8 Hex	6	
8	RC901882	Bolt, 1/2-13 x 1-3/4 Gr 5 CZ Carriage	12	
9	RC900691	Washer, 1/2 SAE YZ Hard Flat	24	
10	RC900588	Nut, 1/2-13 YZ Nylock	18	
11	RC900311	Bolt, 3/4-10 x 2-1/4 Gr 8 YZ Hex	16	
12	RC902416	Washer, 3/4 SAE YZ Hard Flat	32	
13	RC900597	Nut, 3/4-10 YZ Nylock	16	

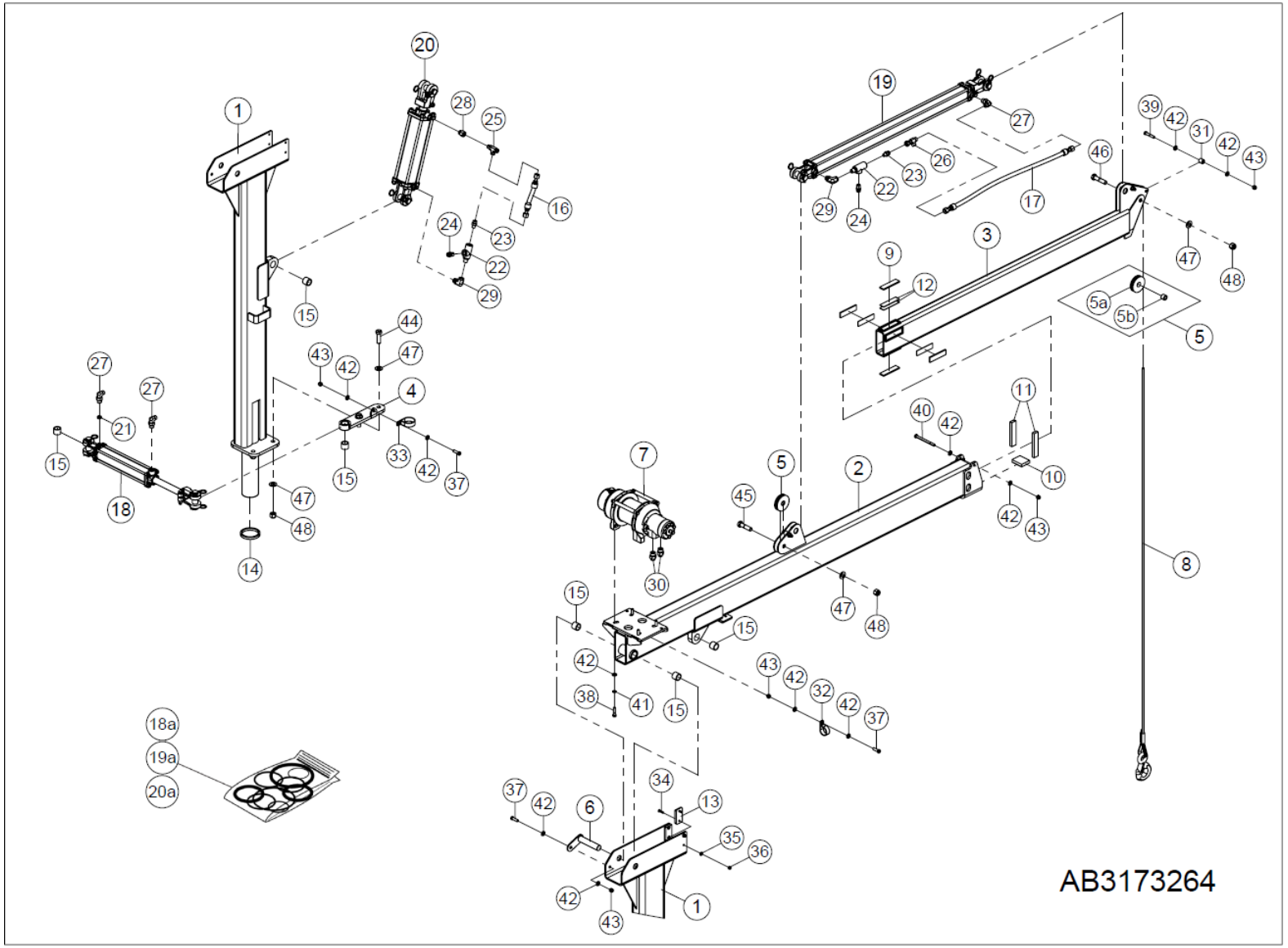
3.5 – Bag Boom



3.5 – Bag Boom

Key	Part Number	Description	Qty	Comments
1	AB3173258	Boom, Vertical	1	
2	AB3173259	Boom, Horizontal Outer	1	
3	AB3173260	Boom, Horizontal Inner	1	
4	AB3173263	Arm, Pivot	1	
5	AB3171981	Assembly, 3" Wire Rope Pulley	2	
5a	RC950737	Pulley, 3" OD x 7/8" Bore Black Wire Rope	1	
5b	RC950832	Bushing, Bronze	1	
6	AB3172860	Pin, Boom Pivot Flag	1	
7	RC950735	Hoist, 2000lbs Hydraulic	1	
8	AA1501691	Cable, 1/4 X 30 ft w/Hook	1	
9	AB3171998	Pad, Inner Tube Wear	4	
10	AB3172012	Pad, Bottom Wear	1	
11	AB3172013	Pad, Vertical Wear	2	
12	AB3172000	Shim, Inner Tube Wear Pad	AR	
13	RC081683	Spacer	2	
14	AB3170618	Bushing, Boom	1	
15	RC950618	Bearing, 1" ID x 1" High Load Bronze Sleeve	6	
16	AB3172037	Assembly, Hydraulic Hose	1	
17	AB3172052	Assembly, Hydraulic Hose	1	
18	RC950188	Cylinder, 2" x 10" Tie Rod	1	
18a	RC950639	Kit, Seal	1	
19	RC950734	Cylinder, 2" x 36" Tie Rod	1	
19a	RC950639	Kit, Seal	1	
20	RC950642	Cylinder, 3" x 10" Tie Rod	1	
20a	RC950643	Kit, Seal	1	

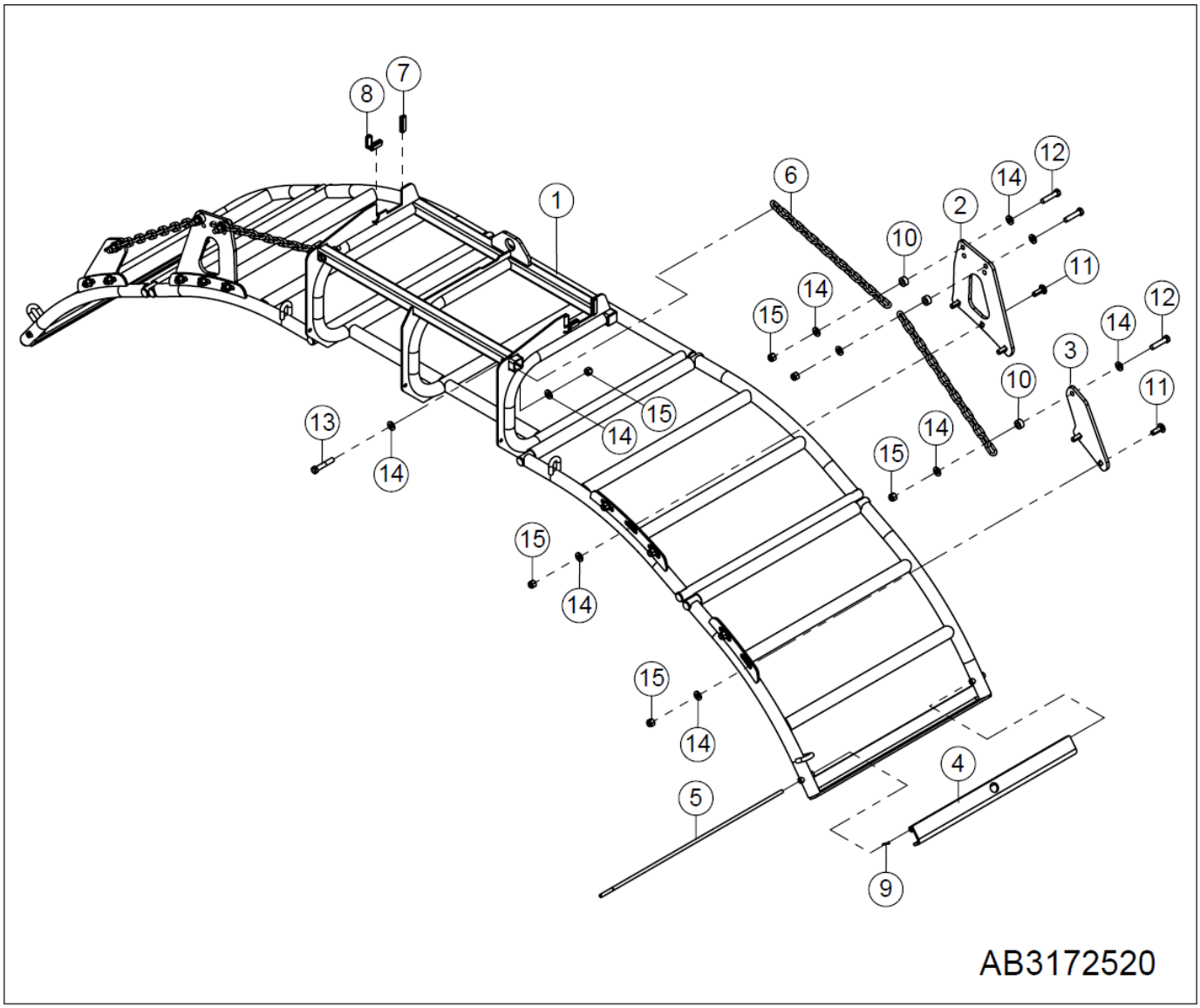
3.5 – Bag Boom – Continued



3.5 – Bag Boom – Continued

Key	Part Number	Description	Qty	Comments
21	RC703098	Orifice, -08 SAE x 0.0320 Hole Disc	1	
22	AA1700863	Valve, Pilot Check	2	
23	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	2	
24	RC700979	Adapter, -06 MORFS, -06 MPT Straight	2	
25	RC700146	Tee, -06 MORFS -06 MORB Run	1	
26	RC700156	Tee, -06 ORFS Run Thru	1	
27	RC700119	Elbow, -06 MORFS -08 MORB 90°	3	
28	RC700633	Reducer, -08 MORB -06 FORB Straight	1	
29	RC701028	Elbow, -08 MORB x -06 FPT 90°	2	
30	RC700079	Adapter, -06 MORFS -10 MORB Straight	2	
31	RC902473	Spacer, 3/8 I.D x 3/4 O.D x 3/4" CZ	3	
32	RC901689	P-Clamp, 1-1/2 Cushion	1	
33	RC902066	P-Clamp, 2 Cushion	1	
34	RC902326	Screw, 1/4-20 x 1 CZ Flat Head Socket	4	
35	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
36	RC900575	Nut, 1/4-20 YZ Nylock	4	
37	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	3	
38	RC900263	Bolt, 3/8-16 x 1-1/2 Gr 8 YZ Hex	4	
39	RC900099	Bolt, 3/8-16 x 2 Gr 5 YZ Hex	3	
40	RC901829	Bolt, 3/8-16 x 4-1/2 Gr 8 YZ Hex	1	
41	RC900728	Washer, 3/8 YZ Lock	4	
42	RC900677	Washer, 3/8 SAE YZ Hard Flat	18	
43	RC900583	Nut, 3/8-16 YZ Nylock	7	
44	RC900168	Bolt, 5/8-11 x 2 Gr 5 YZ Hex	2	
45	RC901596	Bolt, 5/8-11 x 2-1/2 Gr 8 YZ Hex	1	
46	RC900297	Bolt, 5/8-11 x 2-3/4 Gr 8 YZ Hex	1	
47	RC900694	Washer, 5/8 SAE YZ Hard Flat	6	
48	RC900593	Nut, 5/8-11 YZ Nylock	4	

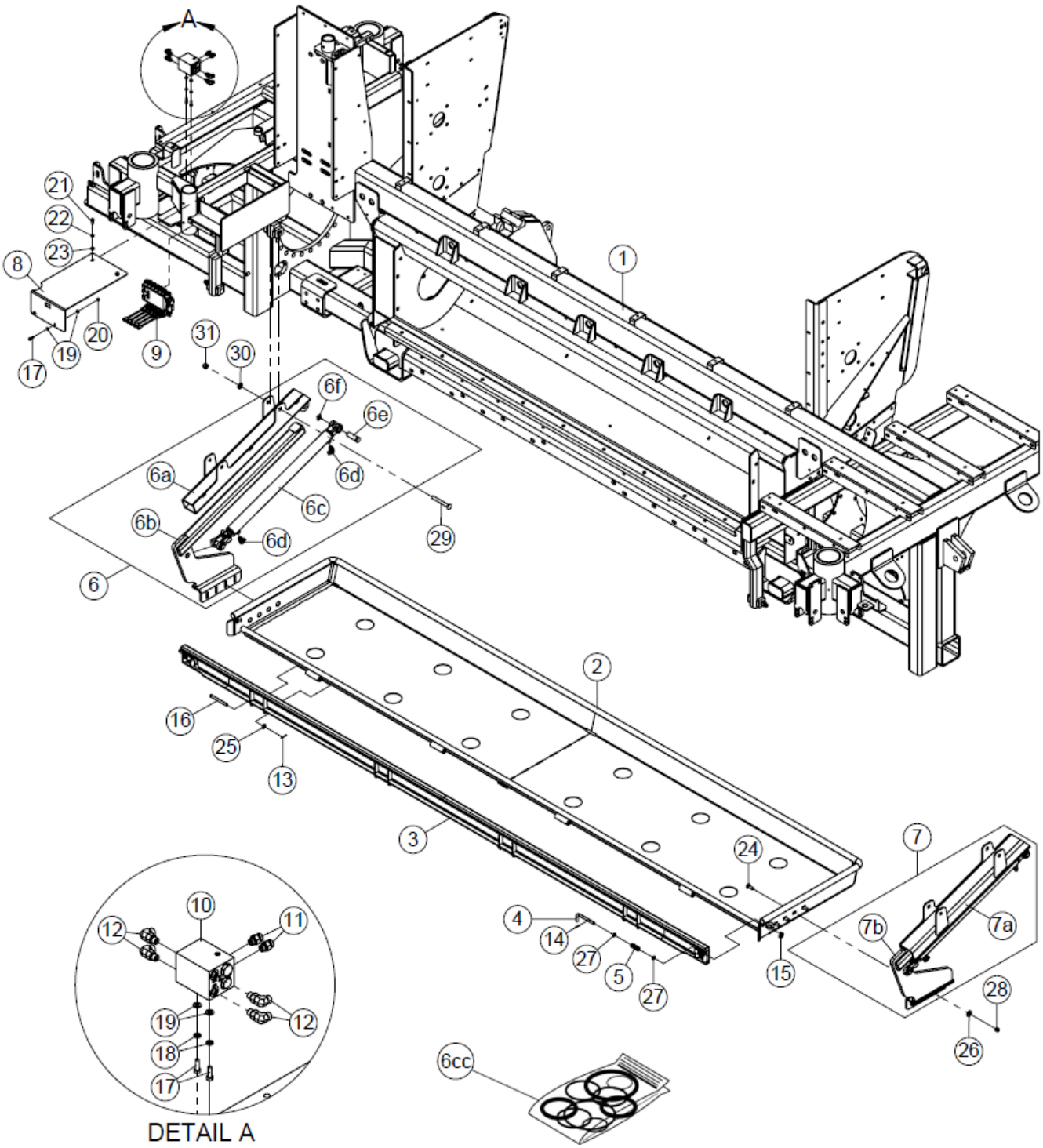
3.6 – Bag Cradle



3.6 – Bag Cradle

Key	Part Number	Description	Qty	Comments
1	AB3172521	Cradle, Bag	1	
2	AB3172522	Bracket, Upper Cradle Chain	2	
3	AB3172523	Bracket, Lower Cradle Chain	2	
4	AB3172524	Hook, Cradle	2	
5	AB3171936	Rod, Cradle Hinge	2	
6	RC950712	Chain, 1/4 Grade 43 x 15 Links	4	
7	AB3170989	Trim, 2" C.L. Edge	2	
8	AB3170997	Trim, 3" C.L. Edge	2	
9	RC900839	Pin, 1/8 x 1 YZ Cotter	2	
10	RC902481	Spacer, .505" ID x 1.00" OD x 1/2" CZ	6	
11	RC902769	Bolt, 1/2-13 x 1-1/2 Gr 5 CZ Carriage	10	
12	RC900139	Bolt, 1/2-13 x 2-1/4 Gr 5 YZ Hex	6	
13	RC900141	Bolt, 1/2-13 x 2-3/4 Gr 5 YZ Hex	2	
14	RC900691	Washer, 1/2 SAE YZ Hard Flat	26	
15	RC900588	Nut, 1/2-13 YZ Nylock	18	

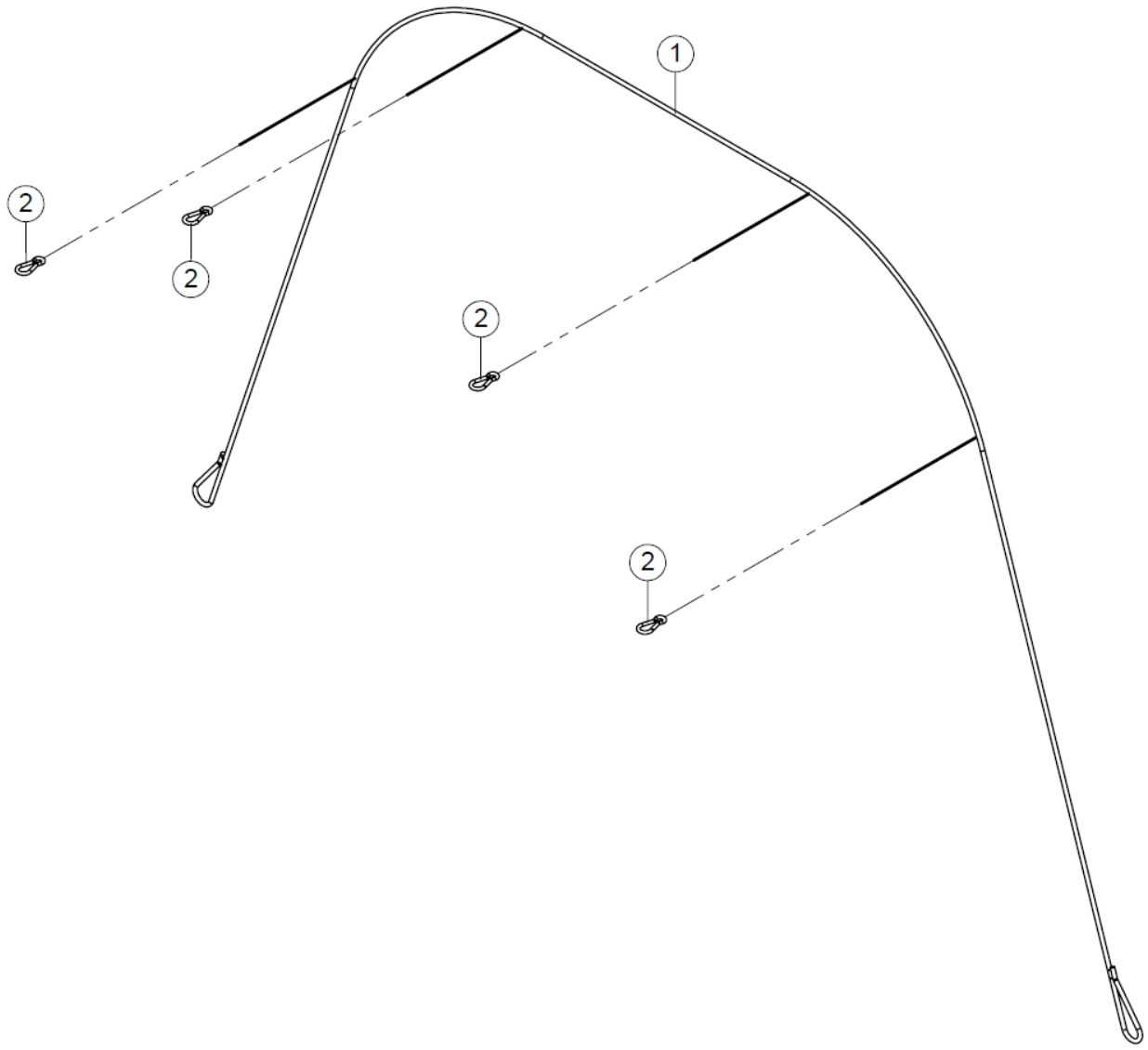
3.7 – Bag Pan



3.7 – Bag Pan

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172348	Pan, Bag	1	
3	AB3172350	Door, Bag Pan	1	
4	AA1700750	Pin, Cam Lever	2	
5	AA0717764	Spring	2	
6	AB3172922	Assembly, LH Bag Pan Support	1	
6a	AB3172919	Socket, LH Bag Pan Support	1	
6b	AB3172911	Support, LH Bag Pan	1	
6c	RC950875	Cylinder, 2" x 30" Clevis	2	
6cc	RC950923	Kit, Cylinder Seal	1	
6d	RC700119	Elbow, -06 MORFS -08 MORB 90°	4	
6e	RC901678	Pin, 1 x 3 CZ Clevis	4	
6f	RC902889	Pin, 3/16 x 1 CZ Linch	4	
7	AB3172923	Assembly, RH Bag Pan Support	1	
7a	AB3172921	Socket, RH Bag Pan Support	1	
7b	AB3173381	Support, RH Bag Pan	1	
8	AB3173383	Cover, Hand Valve	1	
9	AB3172900	Valve, 5-Spool Manual Control	1	See breakdown on Parts Page 9.3 & 10.6
10	RC950603	Assembly, #06 ORB x 2 Flow Divider	1	See breakdown on Parts Page 10.10
11	RC700077	Adapter, -06 MORFS -06 MORB Straight	2	
12	RC700118	Elbow, -06 MORFS -06 MORB 90°	4	
13	RC900842	Pin, 1/8 x 1-1/4 YZ Cotter	4	
14	RC902761	Pin, 5/32 x 1-1/4 CZ Roll	2	
15	RC902889	Pin, 3/16 x 1 CZ Linch	2	
16	RC902851	Pin, 1/2 x 5 CZ Clevis	4	
17	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	4	
18	RC900726	Washer, 5/16 YZ Lock	2	
19	RC902162	Washer, 5/16 SAE YZ Hard Flat	6	
20	RC900579	Nut, 5/16-18 YZ Nylock	2	
21	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	2	
22	RC900728	Washer, 3/8 YZ Lock	2	
23	RC900677	Washer, 3/8 SAE YZ Hard Flat	2	
24	RC902769	Bolt, 1/2-13 x 1-1/2 Gr 5 CZ Carriage	8	
25	RC900686	Washer, 1/2 SAE YZ Flat	4	
26	RC900689	Washer, 1/2 USS YZ Hard Flat	8	
27	RC902770	Washer, 1/2 x 14 Ga CZ Machinery Bushing	4	
28	RC900588	Nut, 1/2-13 YZ Nylock	8	
29	RC903065	Bolt, 5/8-11 x 5-1/2 Gr 5 CZ Carriage	4	
30	RC900694	Washer, 5/8 SAE YZ Hard Flat	4	
31	RC900593	Nut, 5/8-11 YZ Nylock	4	

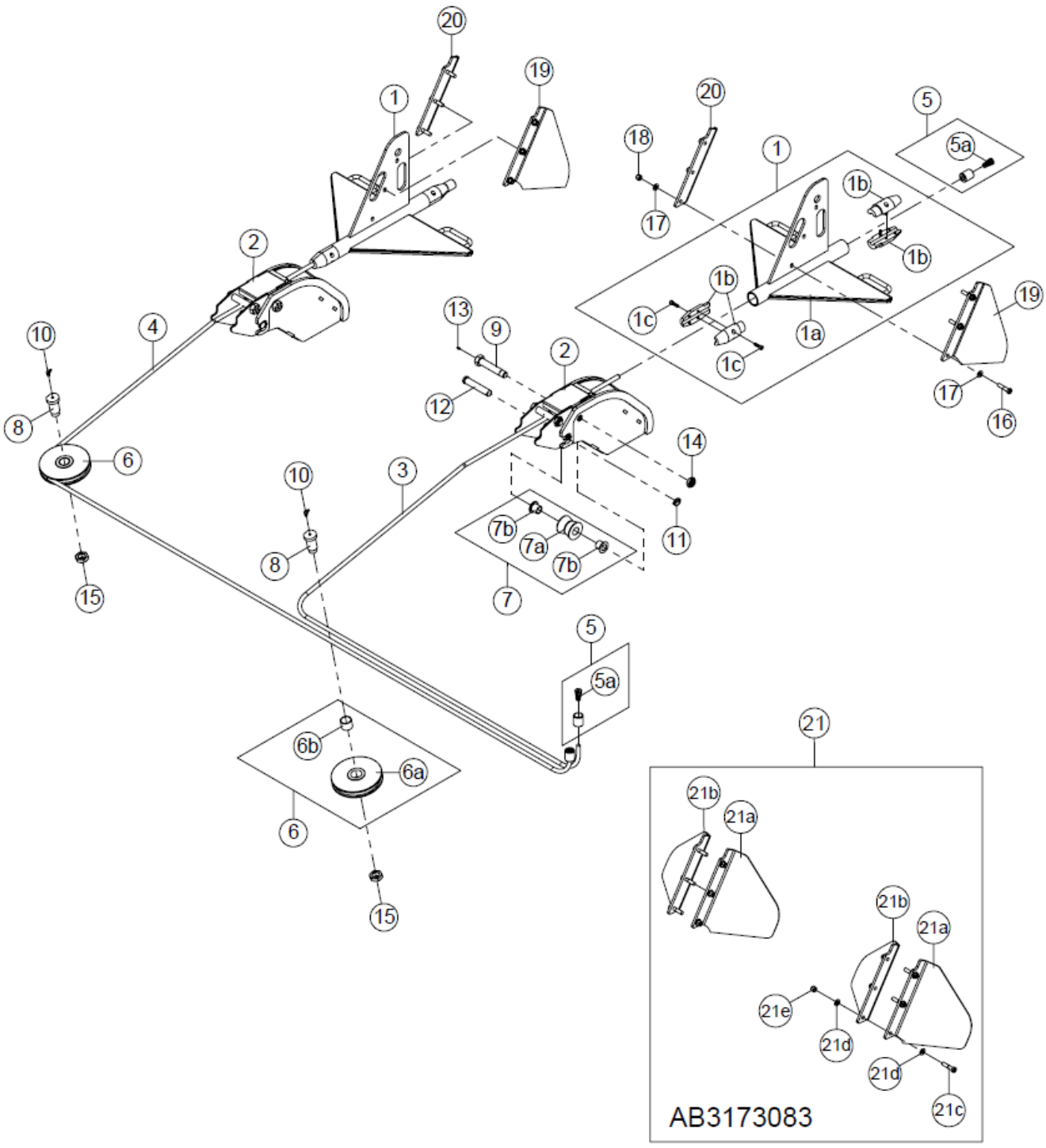
3.8 – Tunnel Bungee



3.8 – Tunnel Bungee

Key	Part Number	Description	Qty	Comments
1	AA1560000	Bungee Cord, Tunnel	1	
2	RC902780	Carabiner, 3/8 x 3-3/16 CZ	4	

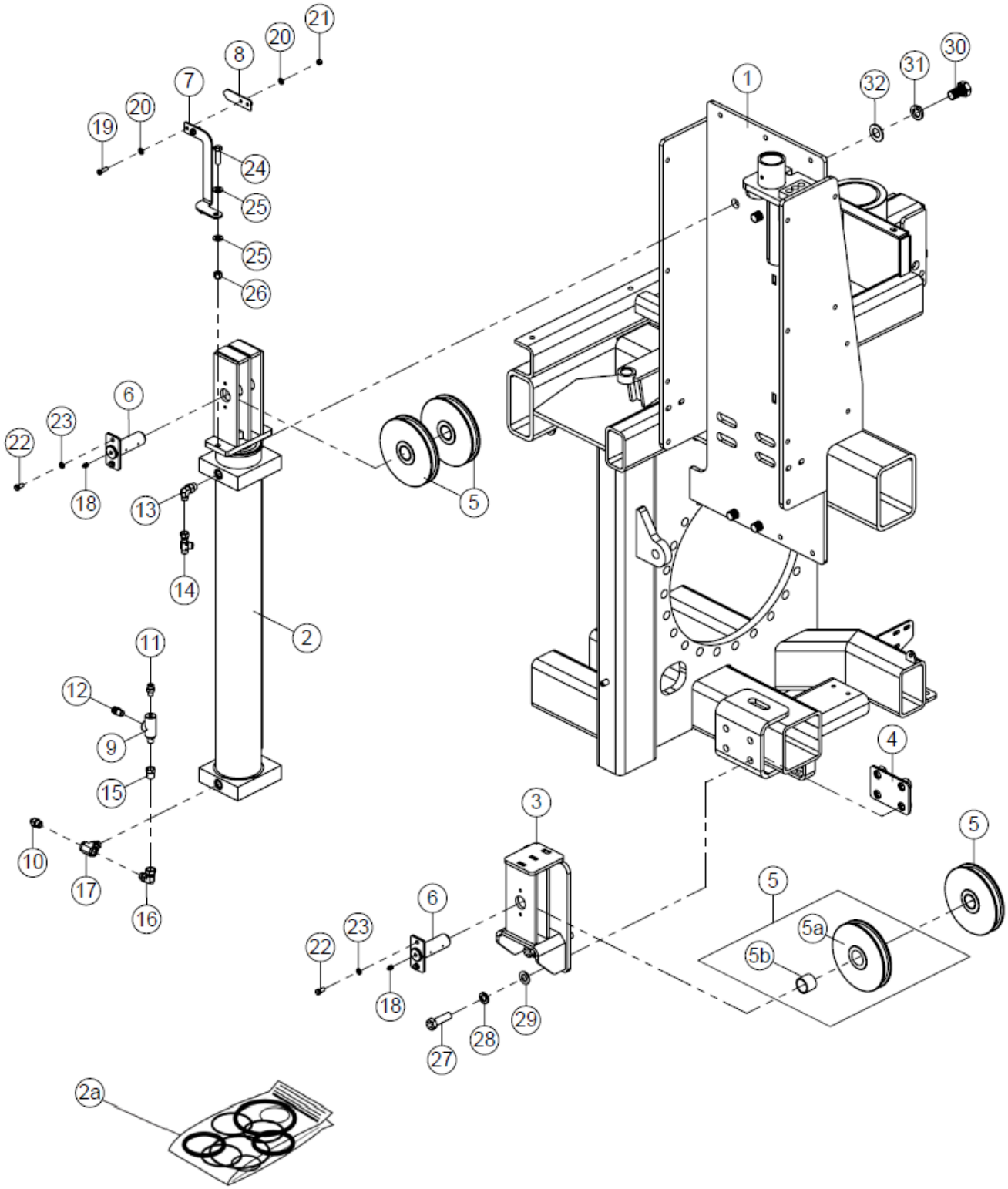
4.1 – Anchors



4.1 – Anchors

Key	Part Number	Description	Qty	Comments
1	AA3160105	Kit, Compaction Anchor	2	
1a	AA0803265	Anchor, Compaction	1	
1b	AA0802129	Stop, Cable Half	4	
1c	RC902705	Screw, 3/8-16 x 1-1/4 BO SH Cap	4	
2	AB3171859	Support, Anchor	2	
3	AA1590059	Cable, 5/8" X 30' Blank Ends	1	
4	AA1590058	Cable, 5/8" X 35' Blank Ends	1	
5	AA1501401	Knob, Quick D5	4	
5a	AA1501766	Wedge, D5 Quick Knob	1	
6	AA1060156	Pulley, Anchor Large 1-1/2	2	
6a	AA1060203	Pulley, Anchor Large 1-1/2	1	
6b	AA1501469	Bushing, Anchor Pulley	1	
7	AA0802304	Roller, Anchor w/Bushing	2	
7a	AA0901318	Roller, YZ Anchor Cable	1	
7b	AA900695	Bearing, 1.253 X 1.25 X 1.001 ID Sleeve	2	
8	AA1060163	Pin, Anchor Cylinder Outlet Pulley	2	
9	AA1206076	Bolt, Anchor Fairlead 1"	4	
10	RC702263	Elbow, -04 MJIC x 1/8 MPT 90°	2	
11	RC902889	Pin, 3/16 x 1 CZ Linch	2	
12	RC902627	Pin, 1 x 5 CZ Clevis	2	
13	RC902080	Zerk, 1/4-28 UNF Straight Grease	4	
14	RC902817	Nut, 1-8 CZ Nylock Jam	4	
15	RC902747	Nut, 1 1/4-7 CZ Hex Jam	2	
16	RC900283	Bolt, 1/2-13 x 2-1/4 Gr 8 YZ Hex	6	Optional - See Operating the Unit Section
17	RC900691	Washer, 1/2 SAE YZ Hard Flat	12	Optional - See Operating the Unit Section
18	RC900588	Nut, 1/2-13 YZ Nylock	6	Optional - See Operating the Unit Section
19	AB3172712	Fin, LH Anchor	2	Optional - See Operating the Unit Section
20	AB3172713	Fin, RH Anchor	2	Optional - See Operating the Unit Section
21	AB3173083	Kit, Wide Anchor Fin	1	**Optional Kit**
21a	AB3173051	Fin, LH Wide Anchor	2	
21b	AB3173053	Fine, RH Wide Anchor	2	
21c	RC900283	Bolt, 1/2-13 x 2-1/4 Gr 8 YZ Hex	6	
21d	RC900691	Washer, 1/2 SAE YZ Hard Flat	12	
21e	RC900588	Nut, 1/2-13 YZ Nylock	6	

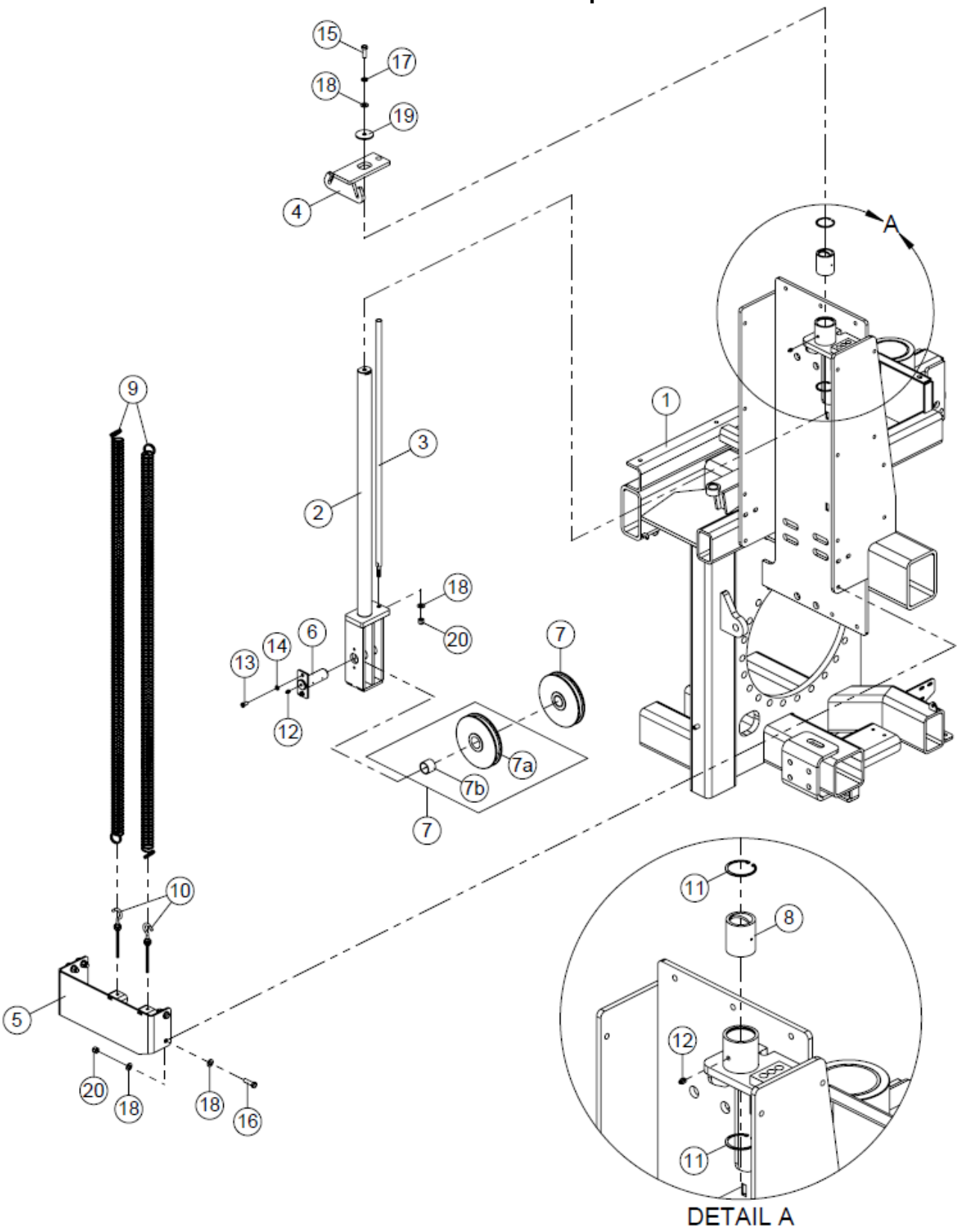
4.2 – Anchor Cylinder



4.2 – Anchor Cylinder

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3171937	Cylinder, Dual Anchor	1	
2a	AB3172135	Kit, Cylinder Seal	1	
3	AB3172331	Support, Pulley	1	
4	AB3172334	Plate, Retainer	1	
5	AA1060156	Pulley, Anchor Large 1-1/2	4	
5a	AA1060203	Pulley, Anchor Large 1-1/2	1	
5b	AA1501469	Bushing, Anchor Pulley	1	
6	AA1030091	Pin, Short Anchor Cyl	2	
7	AB3172540	Bracket, Anchor Indicator	1	
8	AB3171898	Arrow, Anchor Cylinder Depth Indicator	1	
9	AA1700863	Valve, Pilot Check	1	
10	RC700075	Adapter, -04 MORFS -08 MORB Straight	1	
11	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	1	
12	RC700979	Adapter, -06 MORFS, -06 MPT Straight	1	
13	RC700119	Elbow, -06 MORFS -08 MORB 90°	1	
14	RC700156	Tee, -06 ORFS Run Thru	1	
15	RC701272	Bushing, 1/2 MPT 3/8 FPT Reducer	1	
16	RC701516	Elbow, -08 MORB 1/2 FPT Swivel 90°	1	
17	RC702612	Tee, -08 MORB Branch	1	
18	RC901873	Zerk, 1/8 NPT Straight Grease	2	
19	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	2	
20	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
21	RC900579	Nut, 5/16-18 YZ Nylock	2	
22	RC900119	Bolt, 3/8-16 x 3/4 Gr 5 YZ Hex	4	
23	RC900728	Washer, 3/8 YZ Lock	4	
24	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	1	
25	RC900691	Washer, 1/2 SAE YZ Hard Flat	2	
26	RC900588	Nut, 1/2-13 YZ Nylock	1	
27	RC900312	Bolt, 3/4-10 x 2-1/2 Gr 8 YZ Hex	4	
28	RC900736	Washer, 3/4 YZ Lock	4	
29	RC902416	Washer, 3/4 SAE YZ Hard Flat	4	
30	RC902892	Bolt, 1-14 x 1-3/4 Gr 8 YZ Hex	4	
31	RC900738	Washer, 1 YZ Lock	4	
32	RC900708	Washer, 1 SAE YZ Hard Flat	4	

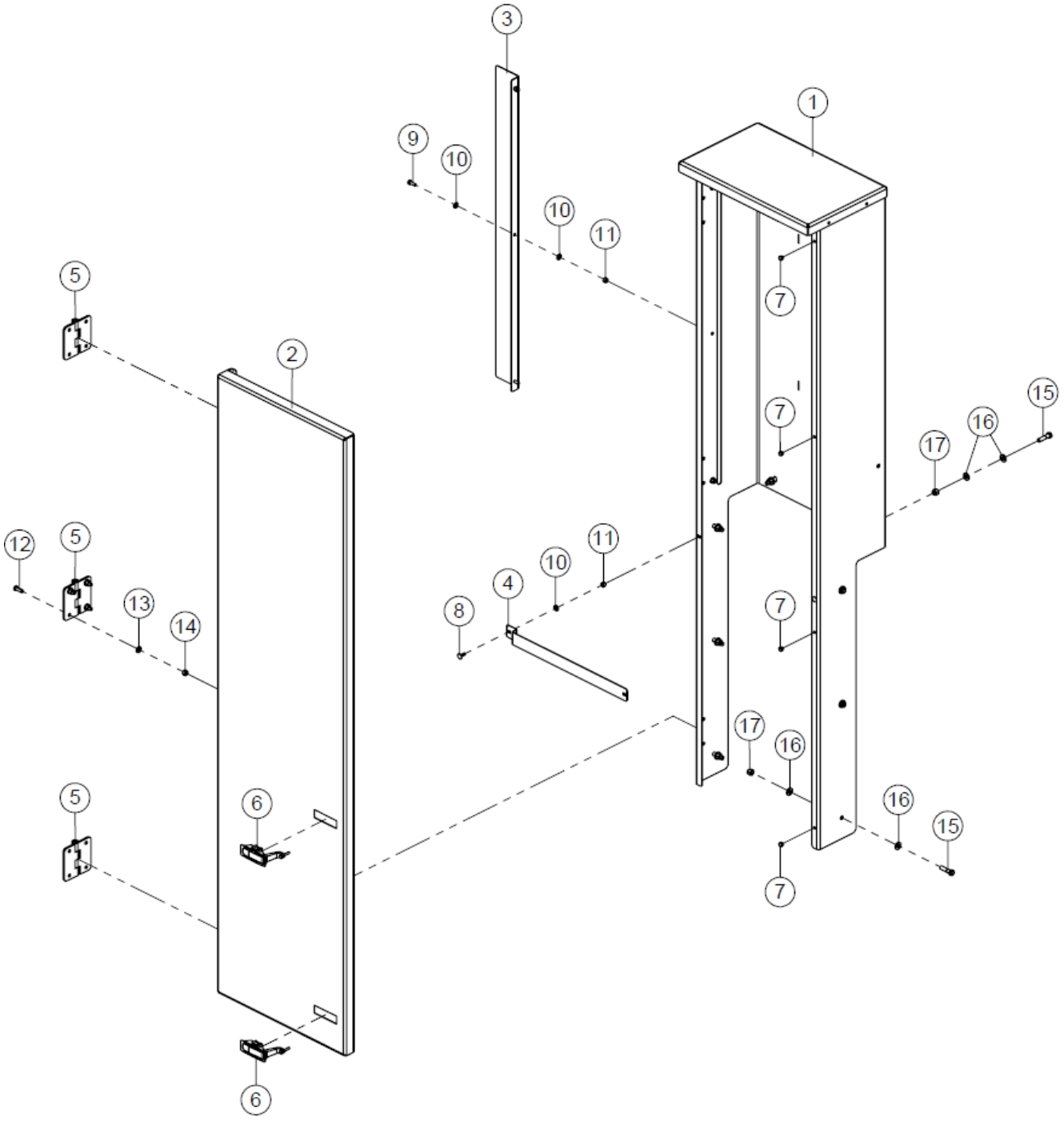
4.3 – Anchor Takeup



4.3 – Anchor Takeup

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3171920	Takeup, YZ Dual Anchor	1	
3	AB3171642	Rod, Takeup Guide	1	
4	AB3171640	Mount, Takeup Spring	1	
5	AB3172517	Mount, Tension Spring	1	
6	AA1030091	Pin, Short Anchor Cyl	1	
7	AA1060156	Pulley, Anchor Large 1-1/2	2	
7a	AA1060203	Pulley, Anchor Large 1-1/2	1	
7b	AA1501469	Bushing, Anchor Pulley	1	
8	RC950705	Bearing, 2" ID x 3" Grooved Bronze Sleeve	1	
9	RC950711	Spring, 25" x 160 lbs Extension	2	
10	RC902856	Hook, 3/8-16 x 8 CZ Screw-In	2	
11	RC902854	Ring, 2-1/2 YZ Internal Snap	2	
12	RC901873	Zerk, 1/8 NPT Straight Grease	2	
13	RC900119	Bolt, 3/8-16 x 3/4 Gr 5 YZ Hex	2	
14	RC900728	Washer, 3/8 YZ Lock	2	
15	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	1	
16	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	4	
17	RC900731	Washer, 1/2 YZ Lock	1	
18	RC900691	Washer, 1/2 SAE YZ Hard Flat	10	
19	RC902586	Washer, 1/2 x 2-1/2 O.D. Black Pivot Pin	1	
20	RC900588	Nut, 1/2-13 YZ Nylock	5	

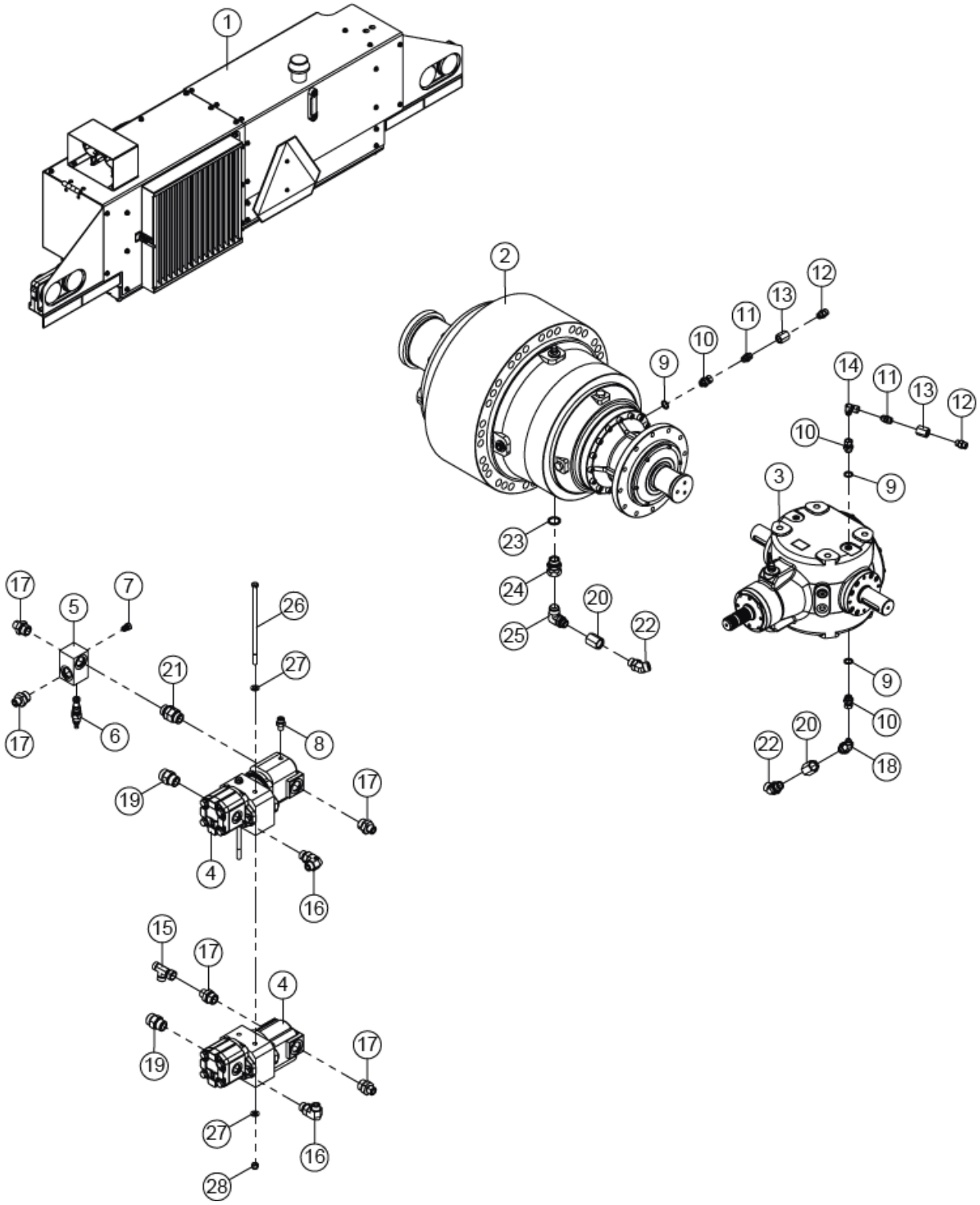
4.3 – Anchor Cylinder & Takeup Enclosure



4.3 – Anchor Cylinder & Takeup Enclosure

Key	Part Number	Description	Qty	Comments
1	AB3172528	Enclosure, Anchor	1	
2	AB3172536	Door, Anchor Enclosure	1	
3	AB3172537	Angle, Anchor Indicator	1	
4	AB3172541	Strap, Anchor Compartment	1	
5	AB3172532	Hinge, .188" x 4" x 4" Black	3	
6	RC950075	Latch, Lever	2	
7	RC902772	Bumper, 7/16 x 3/16 Push-In Rubber	4	
8	RC902039	Bolt, 1/4-20 x 3/4 CZ SN Carriage	2	
9	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	3	
10	RC902696	Washer, 1/4 SAE YZ Hard Flat	8	
11	RC900575	Nut, 1/4-20 YZ Nylock	5	
12	RC901632	Screw, 5/16-18 x 1 CZ BH Socket	12	
13	RC902162	Washer, 5/16 SAE YZ Hard Flat	12	
14	RC900579	Nut, 5/16-18 YZ Nylock	12	
15	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	9	
16	RC900677	Washer, 3/8 SAE YZ Hard Flat	18	
17	RC900583	Nut, 3/8-16 YZ Nylock	9	

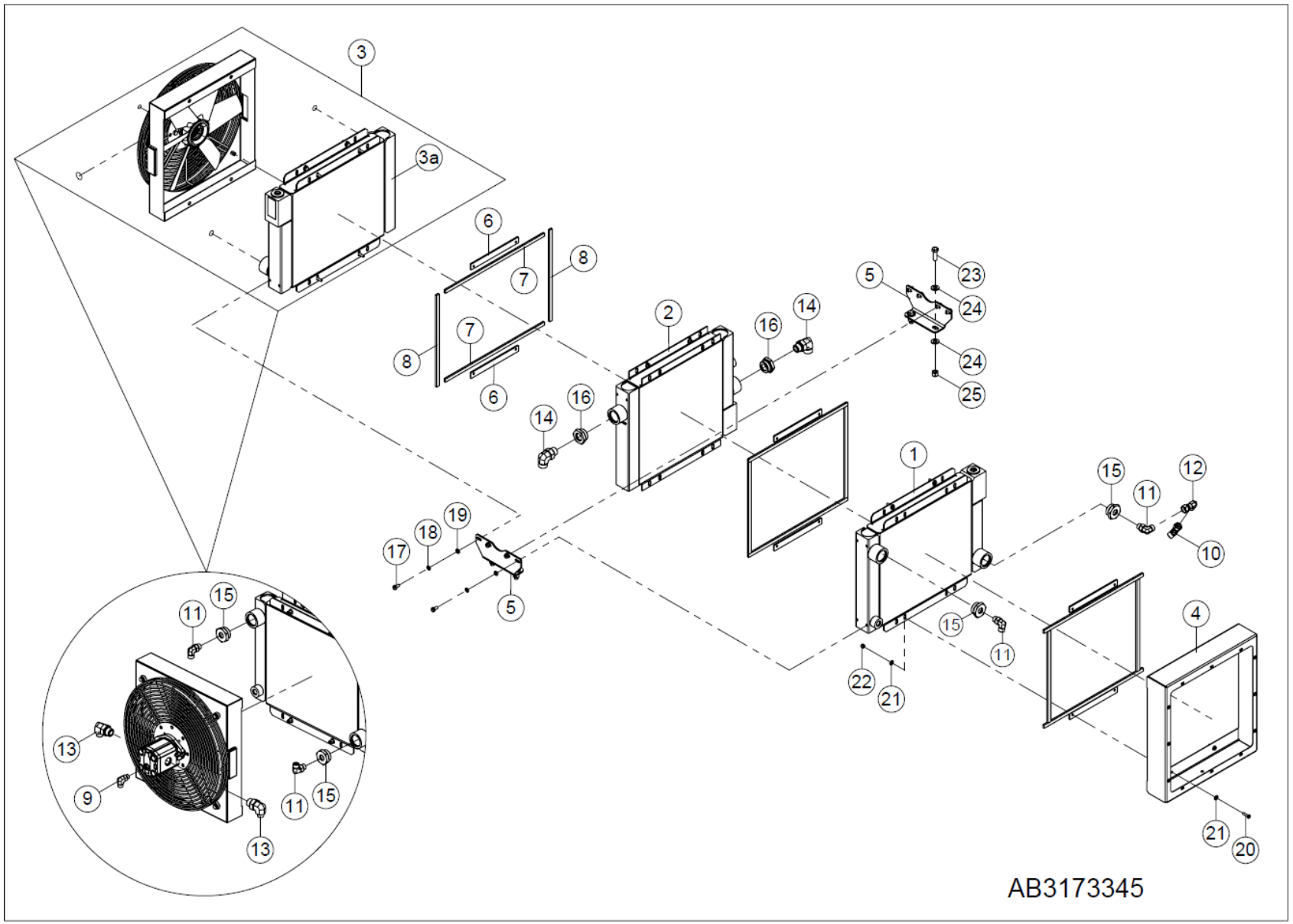
5.1 – Cooling System



5.1 – Cooling System

Key	Part Number	Description	Qty	Comments
1	AB3172613	Assembly, T9096 Cooling Package		See breakdown on Parts Pages 5.2 - 5.5
2	AA0801425	Planetary, GB16002 16.9:1	1	See breakdown on Parts Page 10.1
3	AB3172897	Gearbox, Right Angle	1	See breakdown on Parts Page 10.2
4	AB3172658	Assembly, Cooling Motor/Pump	2	
5	AA3260249	Body, Relief Valve	1	
6	AA0800790	Valve, Relief Cartridge	1	
7	RC701308	Plug, -04 External Hex Pipe	1	
8	RC700978	Adapter, -06 MORFS 1/4-18 MPT Str	1	
9	RC703189	Seal, -08 BSPP Bonded	3	
10	RC703188	Adapter, -08 MBSPP -08 FJIC Swivel Str	3	
11	RC703190	Valve, -08 MORB -08 MJIC Inline Check	2	
12	RC700083	Adapter, -08 MORFS -08 MORB Straight	2	
13	RC700407	Adapter, -08 FORB -08 FORB Straight	2	
14	RC702315	Elbow, -08 MJIC -08 FJIC Swivel 90°	1	
15	RC700157	Tee, -08 ORFS Run Thru	1	
16	RC700126	Elbow, -08 MORFS -10 MORB 90°	2	
17	RC700085	Adapter, -08 MORFS -12 MORB Straight	5	
18	RC701962	Elbow, -08 JIC -12 MORB 45°	1	
19	RC700094	Adapter, -12 MORFS -12 MORB Straight	2	
20	RC700409	Adapter, -12 FORB -12 FORB Straight	2	
21	RC702620	Union, -12 MORB Swivel	1	
22	RC700892	Elbow, -12 MORFS -12 MORB 45°	2	
23	RC703210	Seal, -16 BSPP Bonded	1	
24	RC703209	Adapter, -16 MBSPP -16 FJIC Swivel Str	1	
25	RC701868	Elbow, -16 JIC -12 MORB 90°	1	
26	RC902982	Bolt, 3/8-16 x 9-1/2 Gr 5 YZ Hex	2	
27	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
28	RC900583	Nut, 3/8-16 YZ Nylock	2	

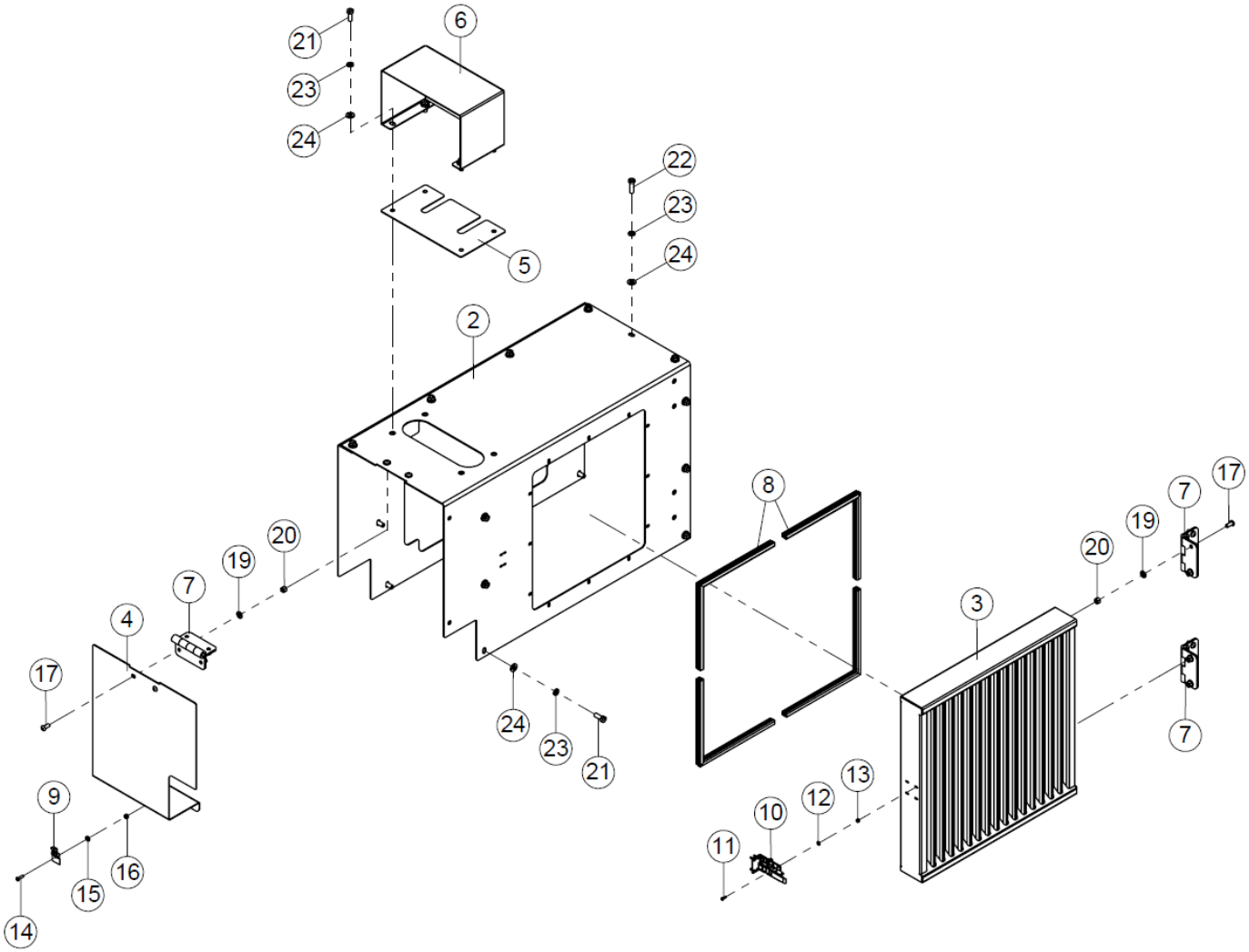
5.2 – Oil Coolers



5.2 – Oil Coolers

Key	Part Number	Description	Qty	Comments
1	RC950783	Cooler, HR45 w/Bypass	1	
2	RC950873	Cooler, C32 w/Bypass	1	
3	RC950782	Cooler, HR45 w/Fan	1	
3a	RC950783	Cooler, HR45 w/Bypass	1	
4	AB3172616	Shroud, Oil Cooler	1	
5	AB3173349	Bracket, Core Mount	2	
6	AB3173366	Spacer, Cooler Core	6	
7	AB3173367	Seal, 18.75" C.L. Buna-N Adhesive Backed	6	
8	AB3173368	Seal, 15" C.L. Buna-N Adhesive Backed	6	
9	RC700118	Elbow, -06 MORFS -06 MORB 90°	1	
10	RC700196	Elbow, -08 FORFS -08 MORFS 45°	1	
11	RC700125	Elbow, -08 MORFS -08 MORB 90°	4	
12	RC700184	Elbow, -08 MORFS -08 FORFS Swivel 90°	1	
13	RC700127	Elbow, -08 MORFS -12 MORB 90°	2	
14	RC700133	Elbow, -12 MORFS -12 MORB 90°	2	
15	RC700654	Reducer, -20 MORB -08 FORB Straight	4	
16	RC700656	Reducer, -20 MORB -12 FORB Straight	2	
17	RC901178	Bolt, M8-1.25 x 16mm Gr 8.8 CZ Hex	8	
18	RC902130	Washer, M8 CZ Lock	8	
19	RC901592	Washer, M8 CZ Flat	8	
20	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	12	
21	RC902696	Washer, 1/4 SAE YZ Hard Flat	24	
22	RC900575	Nut, 1/4-20 YZ Nylock	12	
23	RC900135	Bolt, 1/2-13 x 1-1/2 Gr 5 YZ Hex	4	
24	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
25	RC900588	Nut, 1/2-13 YZ Nylock	4	

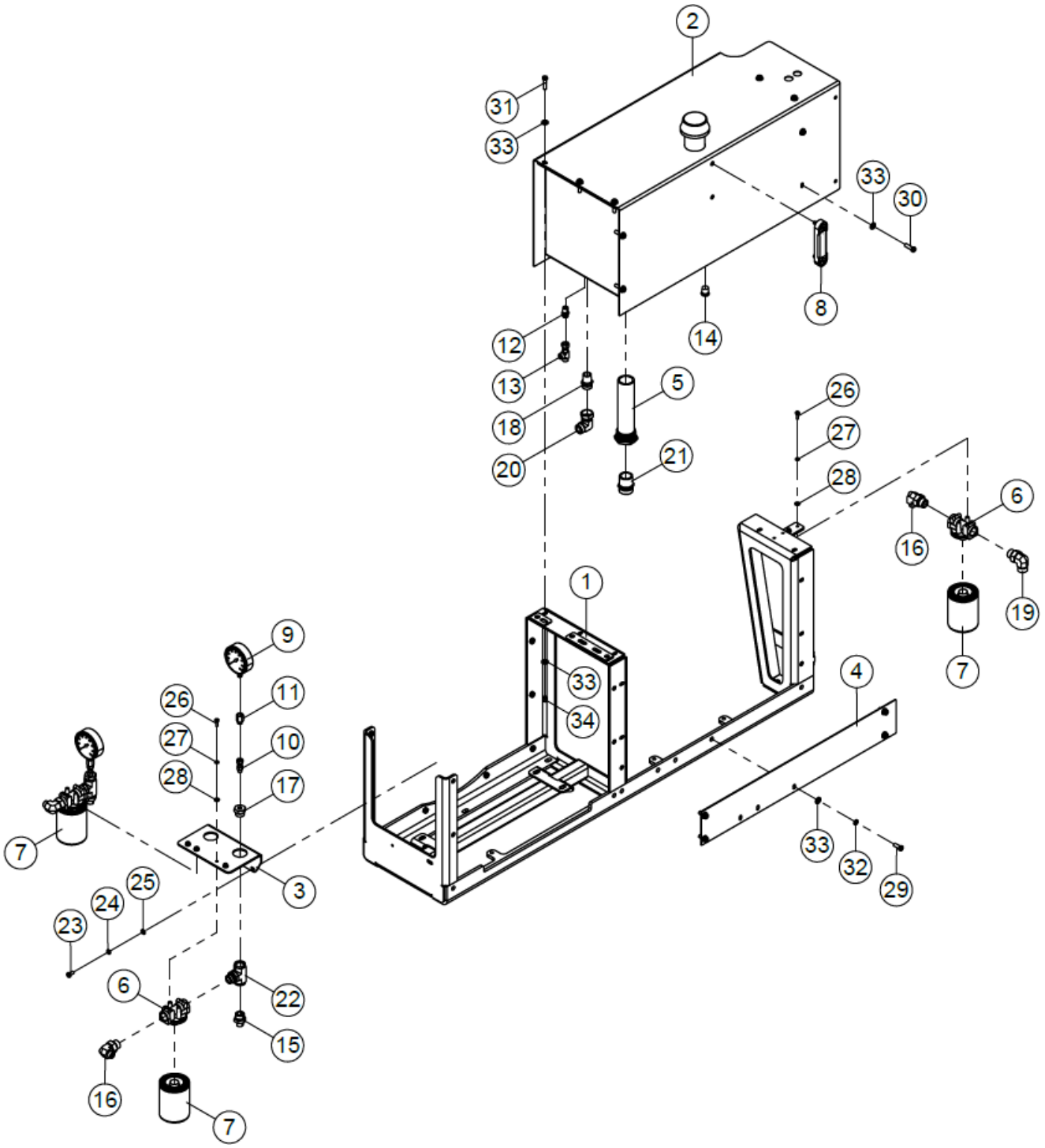
5.3 – Oil Cooler Shroud



5.3 – Oil Cooler Shroud

Key	Part Number	Description	Qty	Comments
1	AB3172619	Cover, Rear Cooler	1	
2	AB3172601	Cover, Front Cooler	1	
3	AB3173361	Screen, Cooler	1	
4	AB3172624	Cover, Hyd Filter	1	
5	AB3173341	Cover, Gauge	1	
6	AB3173344	Cover, Gauge Housing	1	
7	AB3172532	Hinge, .188" x 4" x 4" Black	3	
8	AB3173362	Seal, Push-On Corner	4	
9	RC950607	Latch, Snap-Down Draw	1	
10	RC950874	Latch, Corner Mount Ultra-Tight-Hold Draw	1	
11	RC902204	Screw, #6-32 x 1/2 CZ Ph Pan Hd	8	
12	RC901606	Washer, #6 SAE YZ Flat	8	
13	RC901607	Nut, #6-32 YZ Nylock	8	
14	RC901775	Screw, #10-24 x 3/4 CZ Ph Pan Hd	1	
15	RC900667	Washer, #10 SAE YZ Flat	1	
16	RC902420	Nut, #10-24 YZ Nylock	1	
17	RC901746	Screw, 5/16-18 x 3/4 CZ BH Socket	12	
18	RC900726	Washer, 5/16 YZ Lock	4	
19	RC902162	Washer, 5/16 SAE YZ Hard Flat	8	
20	RC900579	Nut, 5/16-18 YZ Nylock	8	
21	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	21	
22	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	3	
23	RC900728	Washer, 3/8 YZ Lock	24	
24	RC900677	Washer, 3/8 SAE YZ Hard Flat	24	

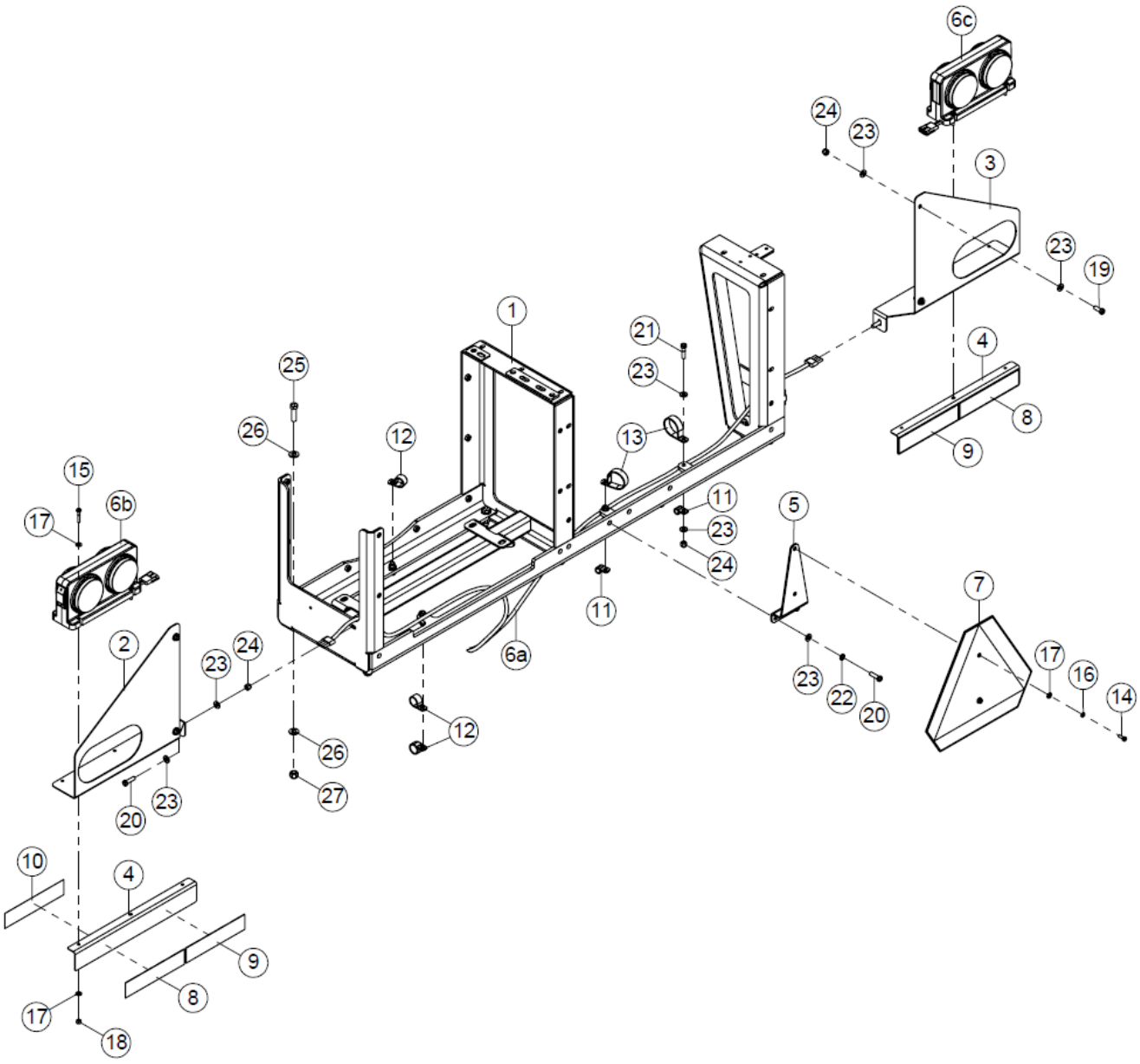
5.4 – Hydraulic Tank & Filters



5.4 – Hydraulic Tank & Filters

Key	Part Number	Description	Qty	Comments
1	AB3172591	Frame, Cooling Package	1	
2	AB3172598	Tank, T9096 Hydraulic	1	
3	AB3172609	Bracket, Filter	1	
4	AB3172621	Cover, Lower Hyd	1	
5	RC700605	Strainer, In-Tank	1	
6	AA1541757	Base, Filter O-Ring	3	
7	AA1540167	Filter, Hydraulic P551553	3	
8	RC700603	Gauge, Level and Temp	1	
9	RC703246	Gauge, 0-160 PSI 1/4 NPT Pressure	2	
10	RC700187	Adapter, -04 FORFS x -04 MORB Swivel	2	
11	RC700942	Adapter, -04 MORFS 1/4 NPT Straight	2	
12	RC700979	Adapter, -06 MORFS, -06 MPT Straight	1	
13	RC700156	Tee, -06 ORFS Run Thru	1	
14	RC701310	Plug, -08 External Hex Pipe	1	
15	RC700085	Adapter, -08 MORFS -12 MORB Straight	2	
16	RC700127	Elbow, -08 MORFS -12 MORB 90°	3	
17	RC700640	Reducer, -12 MORB -04 FORB Straight	2	
18	RC700988	Adapter, -12 MORFS -12 MPT Straight	1	
19	RC700133	Elbow, -12 MORFS -12 MORB 90°	1	
20	RC700908	Elbow, -12 MORFS -12 FORFS Swivel 90°	1	
21	RC700995	Adapter, -20 MORFS -20 MPT Straight	1	
22	RC702614	Tee, -12 MORB Branch	2	
23	RC901178	Bolt, M8-1.25 x 16mm Gr 8.8 CZ Hex	2	
24	RC902130	Washer, M8 CZ Lock	2	
25	RC901592	Washer, M8 CZ Flat	2	
26	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	6	
27	RC900724	Washer, 1/4 YZ Lock	6	
28	RC902696	Washer, 1/4 SAE YZ Hard Flat	6	
29	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	5	
30	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	4	
31	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	5	
32	RC900728	Washer, 3/8 YZ Lock	5	
33	RC900677	Washer, 3/8 SAE YZ Hard Flat	23	
34	RC900583	Nut, 3/8-16 YZ Nylock	9	

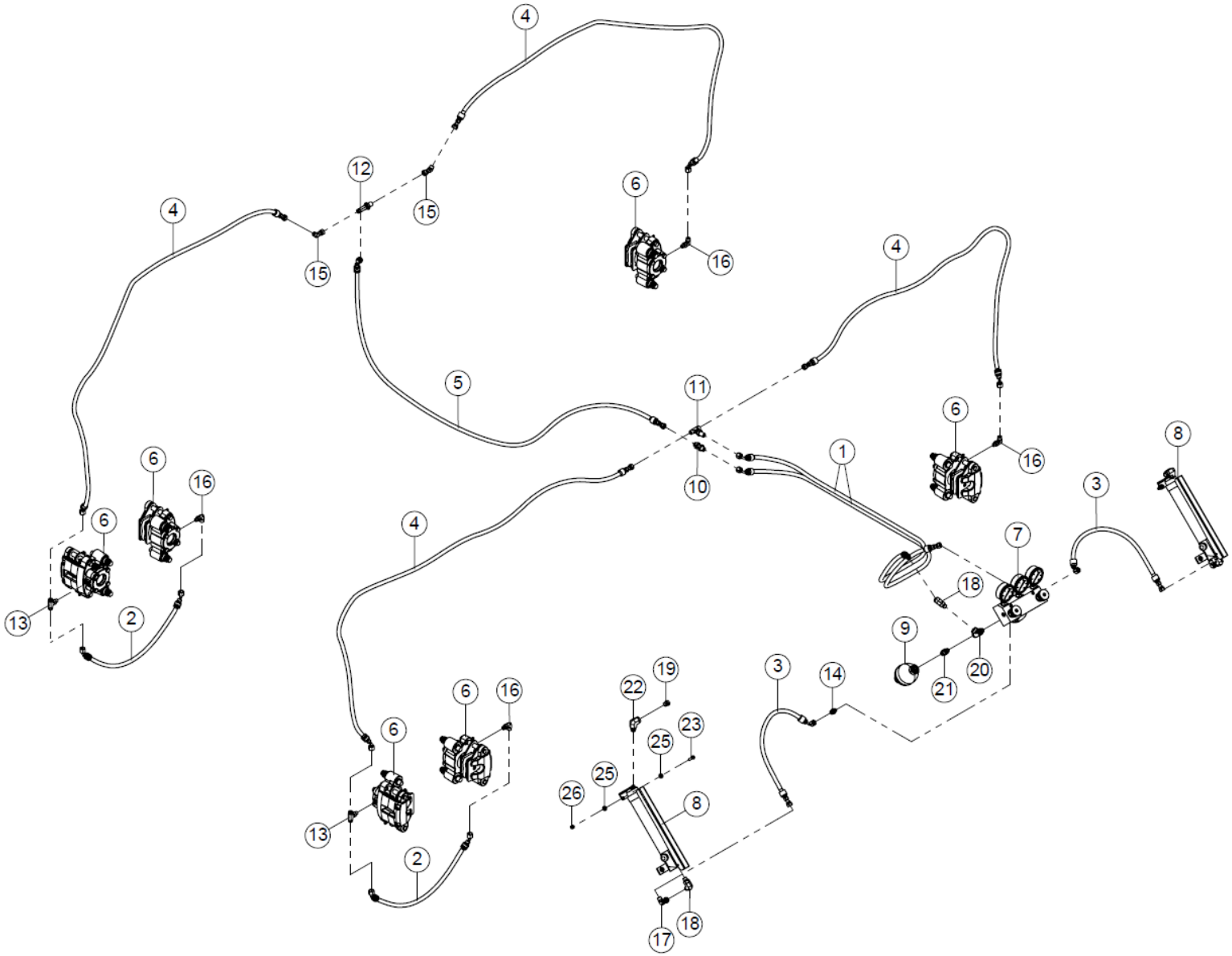
5.5 – Transport Markers & Mounting



5.5 – Transport Markers & Mounting

Key	Part Number	Description	Qty	Comments
1	AB3172591	Frame, Cooling Package	1	
2	AB3172626	Bracket, LH Light	1	
3	AB3172628	Bracket, RH Light	1	
4	AB3172635	Bracket, Reflector	2	
5	AB3172631	Bracket, SMV	1	
6	AB3170926	Kit, Lights w/Harness	1	See breakdown on Parts Page 10.14
6a	AB3170925	Harness, Light	1	
6b	RC750591	Indicator, Left Stop Turn Tail LED Warning	1	
6c	RC750592	Indicator, Right Stop Turn Tail LED Warning	1	
7	RC902596	Sign, Plastic SMV	1	
8	RC901940	Reflector, Red 2 x 9	2	
9	RC901941	Decal, Flourescent Orange 2 x 9 Marker	2	
10	RC901939	Reflector, Yellow 2 x 9	2	
11	RC901915	P-Clamp, 1/2 Cushion	2	
12	RC902064	P-Clamp, 1 Cushion	3	
13	RC902066	P-Clamp, 2 Cushion	2	
14	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	2	
15	RC900045	Bolt, 1/4-20 x 1-1/2 Gr5 YZ Hex	8	
16	RC900724	Washer, 1/4 YZ Lock	2	
17	RC902696	Washer, 1/4 SAE YZ Hard Flat	18	
18	RC900575	Nut, 1/4-20 YZ Nylock	8	
19	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
20	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	5	
21	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	3	
22	RC900728	Washer, 3/8 YZ Lock	2	
23	RC900677	Washer, 3/8 SAE YZ Hard Flat	22	
24	RC900583	Nut, 3/8-16 YZ Nylock	10	
25	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	7	Mounting Bolts
26	RC900691	Washer, 1/2 SAE YZ Hard Flat	14	
27	RC900588	Nut, 1/2-13 YZ Nylock	7	

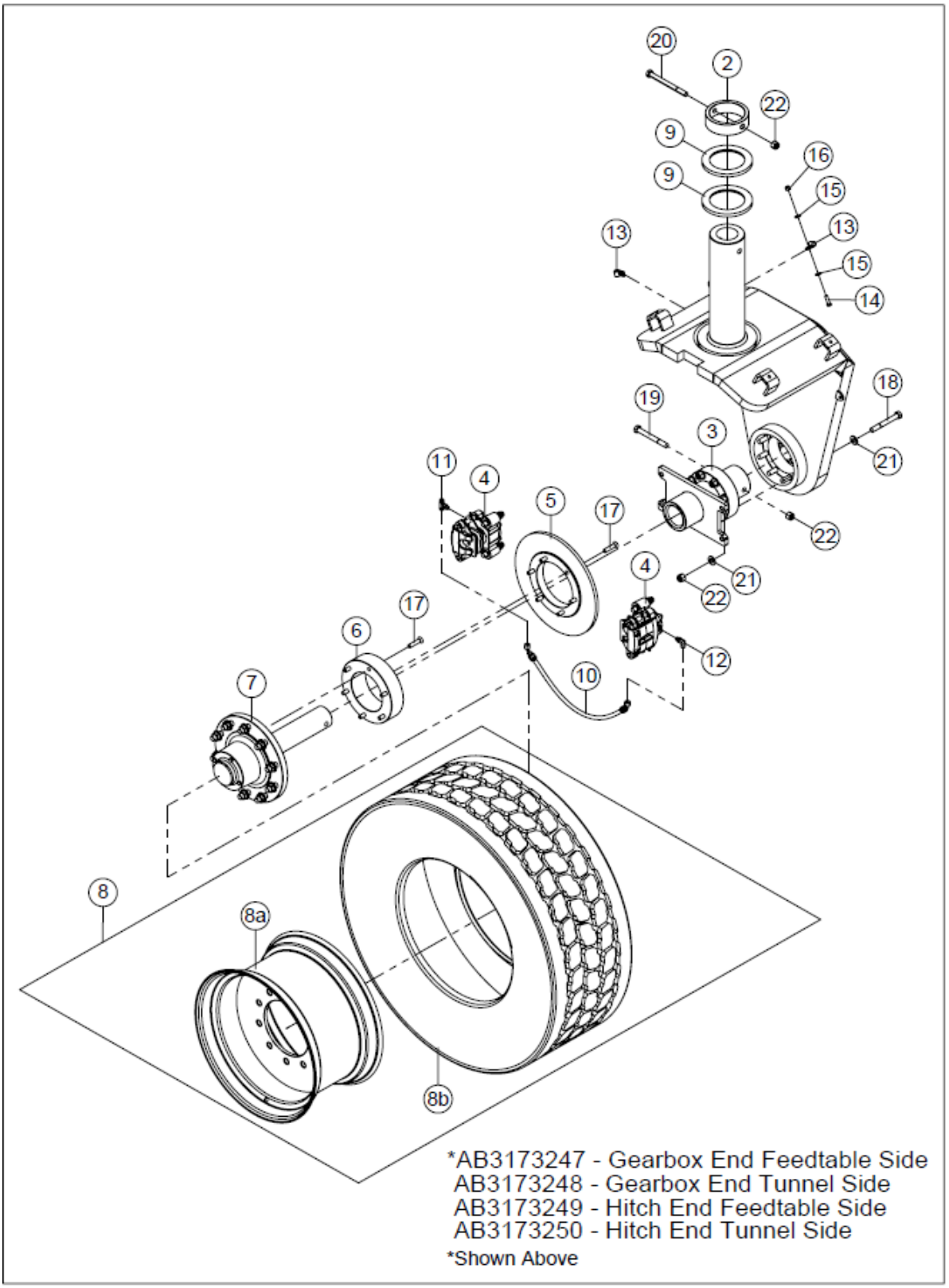
6.1 – Brake System



6.1 – Brake System

Key	Part Number	Description	Qty	Comments
1	AB3172572	Assembly, Brake Line Jumper	2	
2	AB3172574	Assembly, Dual Brake Line	2	
3	AB3172578	Assembly, Brake Line Jumper Hose	2	
4	AB3172730	Assembly, Brake Line	4	
5	AB3172728	Assembly, Brake Line Jumper	1	
6	AB3172081	Caliper, Brake	6	See breakdown on Parts Page 10.8
7	AB3172575	Assembly, Brake Hand Pump Gauge Station	1	See breakdown on Parts Page 10.13
8	AA0900040	Pump, 17 CI 2000 PSI Hand	2	See breakdown on Parts Page 10.7
9	RC950760	Accumulator, 1250 psi x 9.8 CUI	2	
10	RC700018	Union, -04 MORFS Straight Bulkhead	1	
11	RC700277	Tee, -04 MORFS Bulkhead Branch	1	
12	RC700293	Tee, -04 MORFS Bulkhead Run Thru	1	
13	RC700059	Tee, -04 MORFS -04 MORB Branch	2	
14	RC700073	Adapter, -04 MORFS -04 MORB Straight	2	
15	RC700194	Elbow, -04 FORFS -04 MORFS 45°	2	
16	RC700114	Elbow, -04 MORFS -04 MORB 90°	4	
17	RC700179	Elbow, -04 MORFS -04 FORFS Swivel 90°	2	
18	RC700115	Elbow, -04 MORFS -06 MORB 90°	4	
19	RC703175	Breather, -06 MORB Brass	2	
20	RC703073	Tee, -06 MORB Run	2	
21	RC702617	Union, -06 MORB Straight Swivel	2	
22	RC703151	Union, -06 MORB -06 FORB 90°	2	
23	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	8	
24	RC902981	Screw, 1/4-20 x 2-1/2 CZ SH Cap	3	
25	RC902696	Washer, 1/4 SAE YZ Hard Flat	19	
26	RC900575	Nut, 1/4-20 YZ Nylock	11	

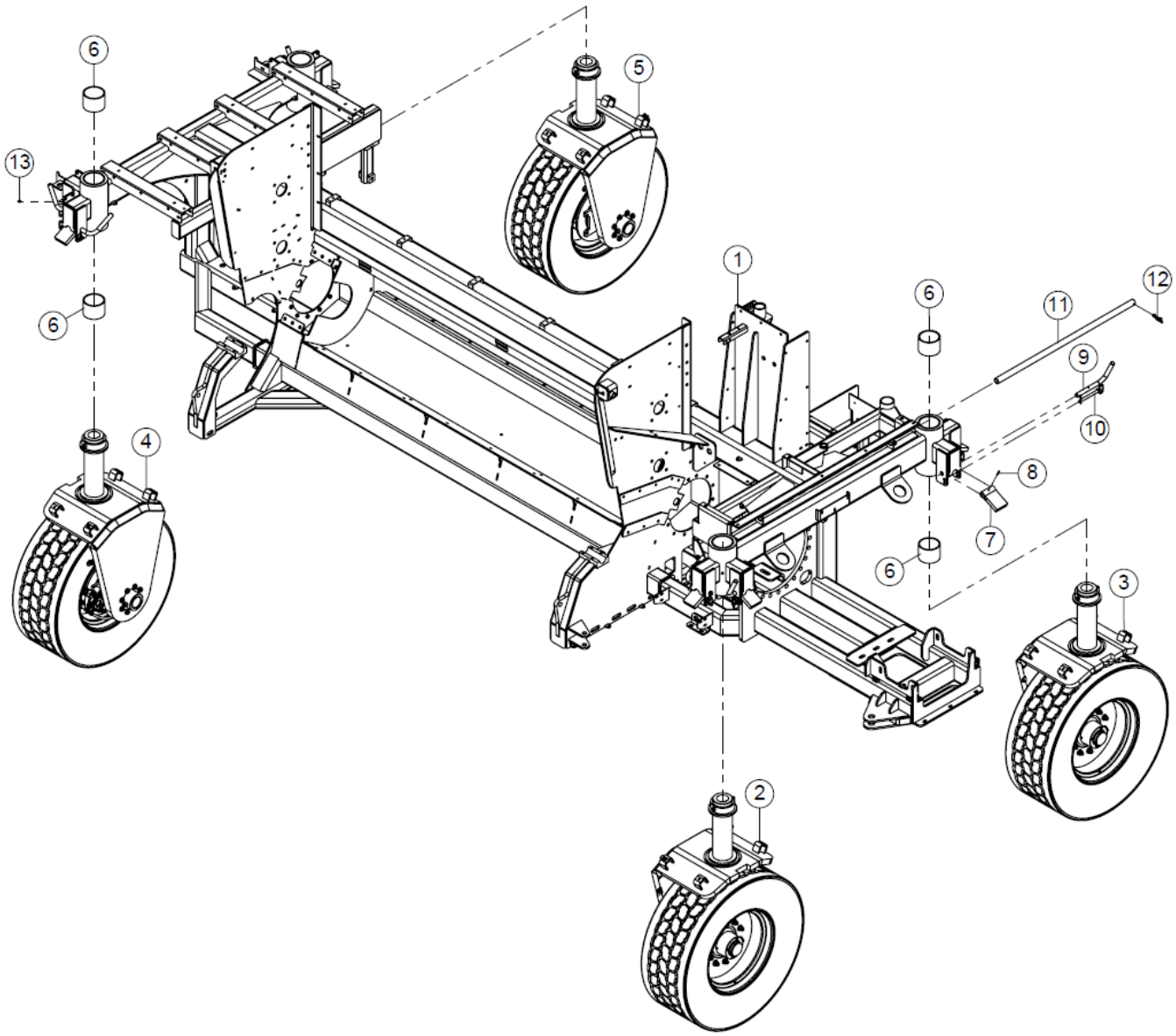
6.2 – Wheel Drops



6.2 – Wheel Drops

Key	Part Number	Description	Qty	Comments
1	AB3173187	Wheel Column, T9096	1	
2	AA0802399	Collar, Wheel Drop	1	
3	AB3172875	Mount, Spindle	1	
4	AB3172081	Caliper, Brake	2	See breakdown on Parts Page 10.8
5	AB3172877	Disc, Rotor	1	
6	AB3172878	Spacer, Brake Disc	1	
7	RC950839	Assembly, 10 on 11.25 Spindle	1	See breakdown on Parts Page 10.9
8	AB3172881	Assembly, T9096 Rim & Tire	1	
8a	AB3172880	Wheel, 22.5 x 12.25	1	
8b	RC950840	Tire, 385/65R22.5	1	
9	AA0802400	Washer, WC Pivot Thrust	2	
10	AB3172574	Assembly, Dual Brake Line	1	
11	RC700059	Tee, -04 MORFS -04 MORB Branch	1	
12	RC700114	Elbow, -04 MORFS -04 MORB 90°	1	
13	RC901915	P-Clamp, 1/2 Cushion	2	
14	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	2	
15	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
16	RC900583	Nut, 3/8-16 YZ Nylock	2	
17	RC903021	Screw, 1/2-20 x 2-1/4 BO FH Socket	12	
18	RC900306	Bolt, 5/8-11 x 5 Gr 8 YZ Hex	8	
19	RC900185	Bolt, 5/8-11 x 5-1/2 Gr 5 YZ Hex	1	
20	RC901828	Bolt, 5/8-11 x 7 Gr 8 YZ Hex	1	
21	RC900694	Washer, 5/8 SAE YZ Hard Flat	16	
22	RC900593	Nut, 5/8-11 YZ Nylock	10	

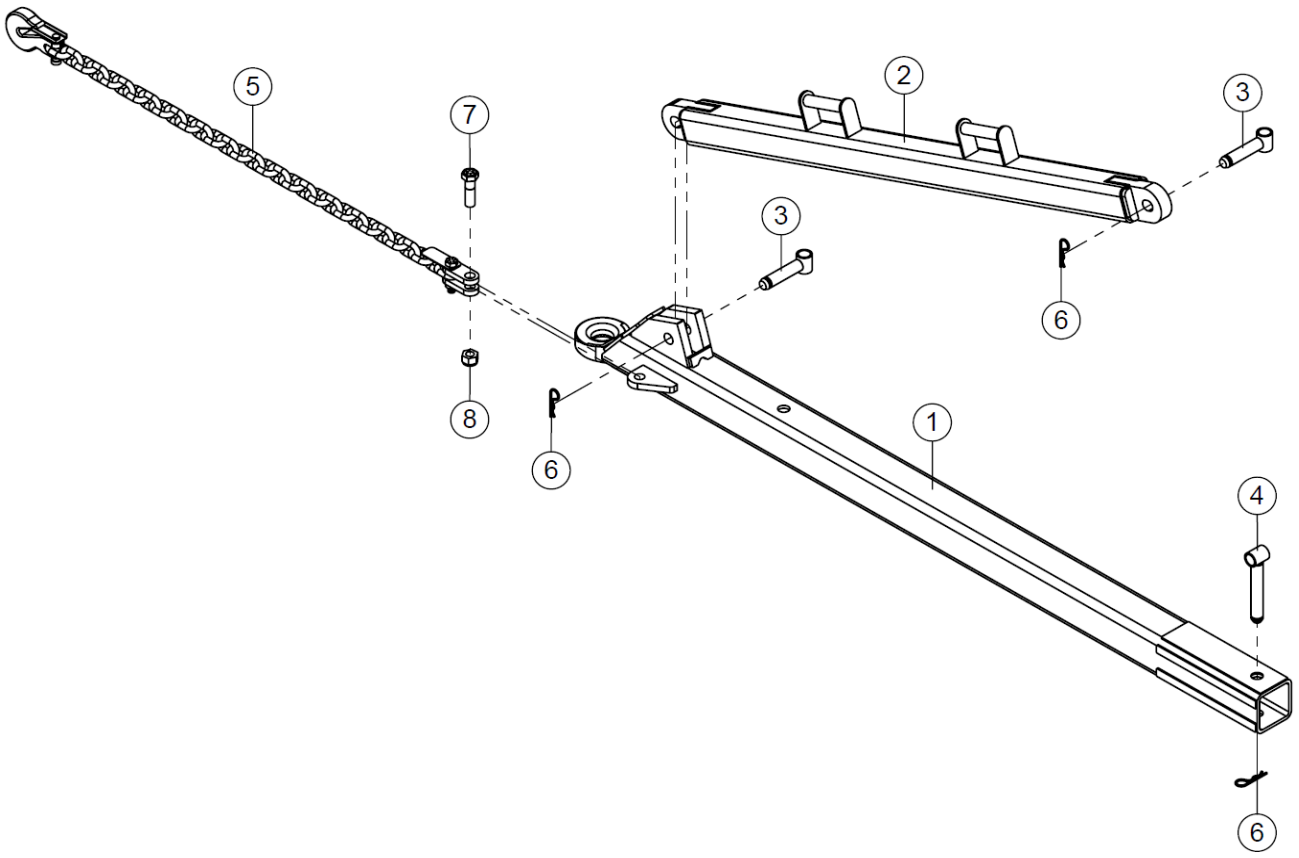
6.3 – Wheel Drop Mounting & Locks



6.3 – Wheel Drop Mounting & Locks

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3173247	Assembly, Wheel Drop Gearbox End Feedtable Side	1	
3	AB3173248	Assembly, Wheel Drop Gearbox End Tunnel Side	1	
4	AB3173249	Assembly, Wheel Drop Hitch End Feedtable Side	1	
5	AB3173250	Assembly, Wheel Drop Hitch End Tunnel Side	1	
6	AA1201020	Bearing, 5-3/8" OD x 4" Bronze Sleeve	8	
7	AA0802125	Lock, Transport	8	
8	RC901869	Pin, 1/4 x 1-1/2 CZ Roll	8	
9	AA0700872	Pin, YZ Wheel Lock Pivot	8	
10	RC900909	Pin, 5/8 x 5-3/4 YZ Hitch	8	
11	AB3173372	Tube, Wheel Pivot	1	
12	RC903078	Pin, 5/16 x 1-7/8 CZ Locking Square Retainer	1	
13	RC901873	Zerk, 1/8 NPT Straight Grease	4	

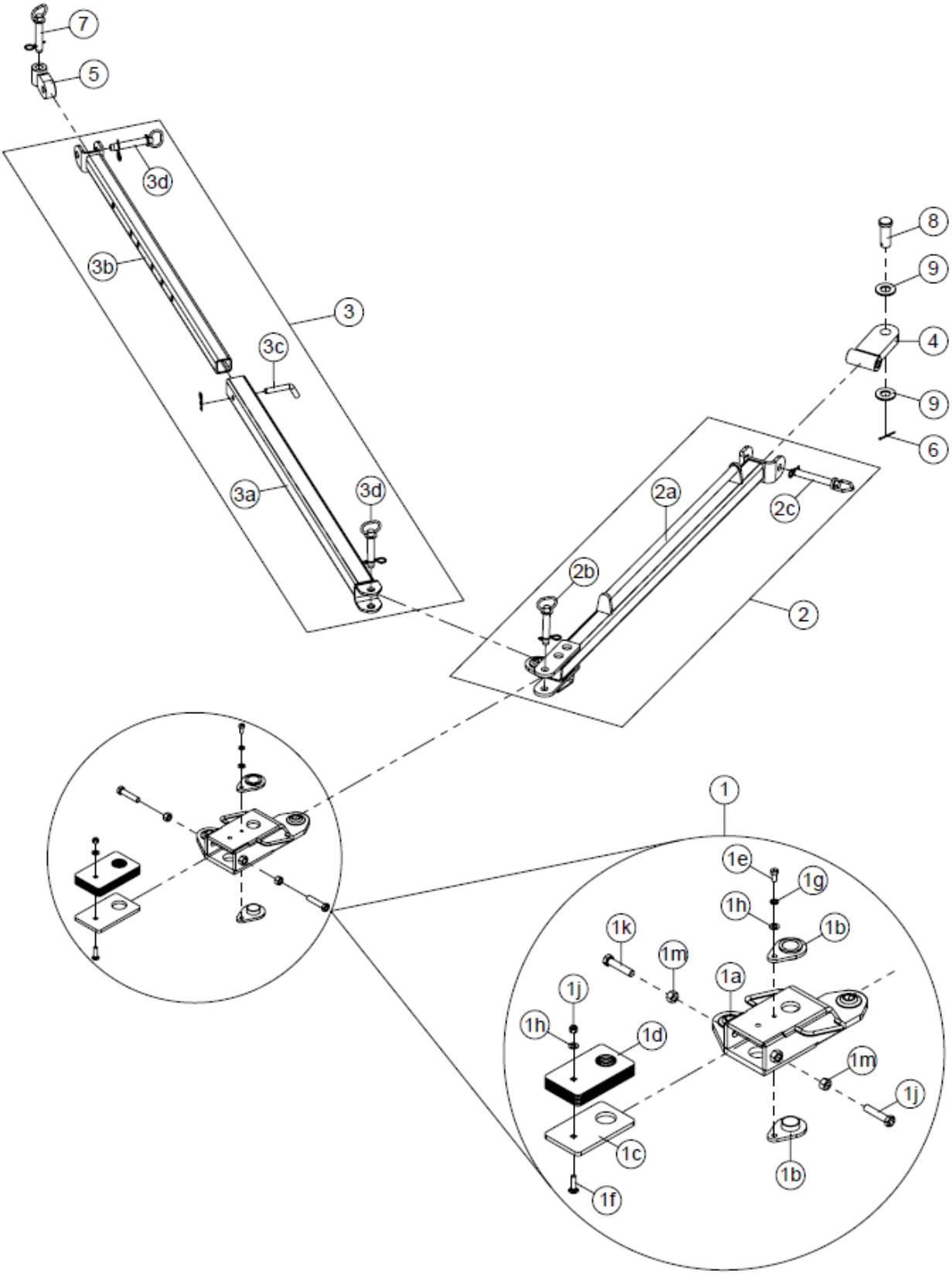
6.4 – Pintle Hitch



6.4 – Pintle Hitch

Key	Part Number	Description	Qty	Comments
1	AA0800866	Hitch, Pintle	1	
2	AA0800861	Brace, Pintle Hitch	1	
3	AA1120046	Pin, Pintle Hitch Brace 5-1/4	2	
4	AB3173305	Pin, Pintle Hitch 7-1/2	1	
5	RC950439	Chain, 5/8 Grade 70 x 58" Safety	1	
6	RC902949	Hairpin, 11/64 x 3-3/4 CZ	3	
7	RC900338	Bolt, 1-8 x 3-1/2 Gr 8 YZ Hex	1	
8	RC900601	Nut, 1-8 YZ Nylock	1	

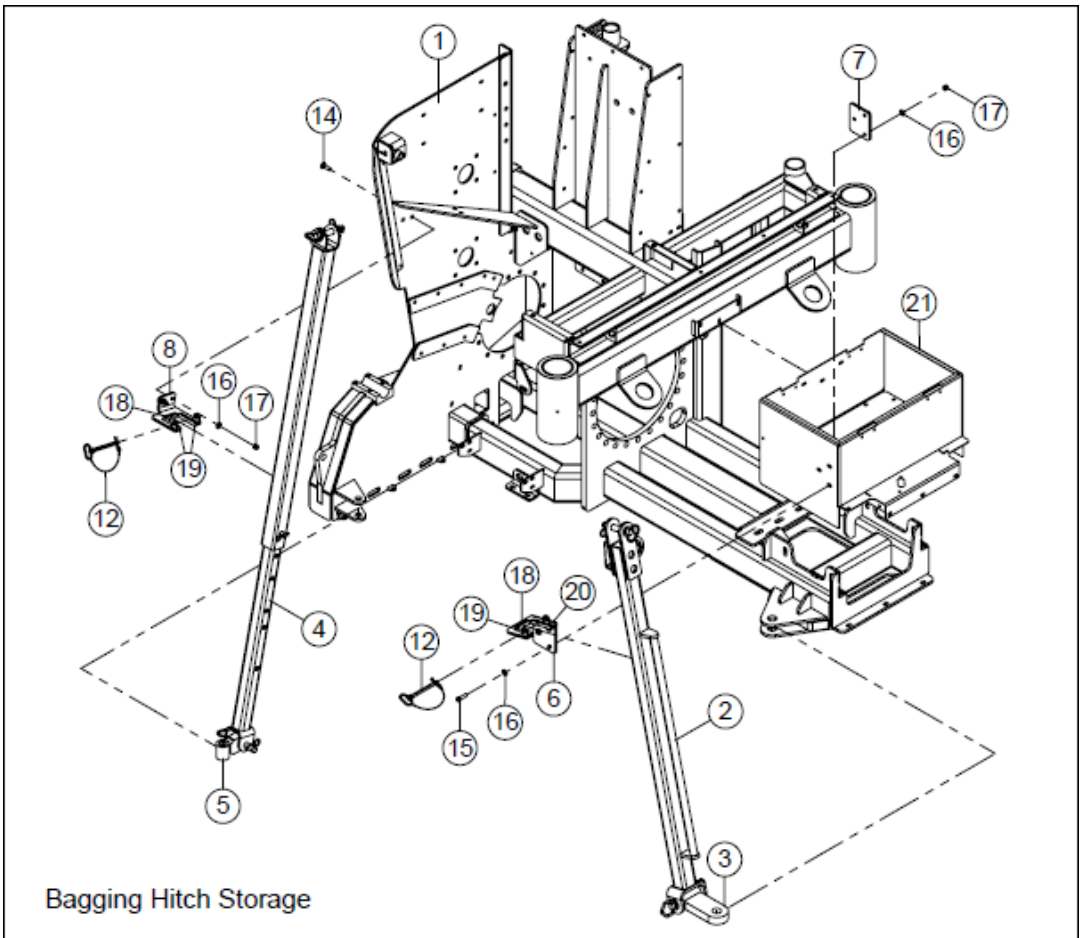
6.5 – Bagging Hitch



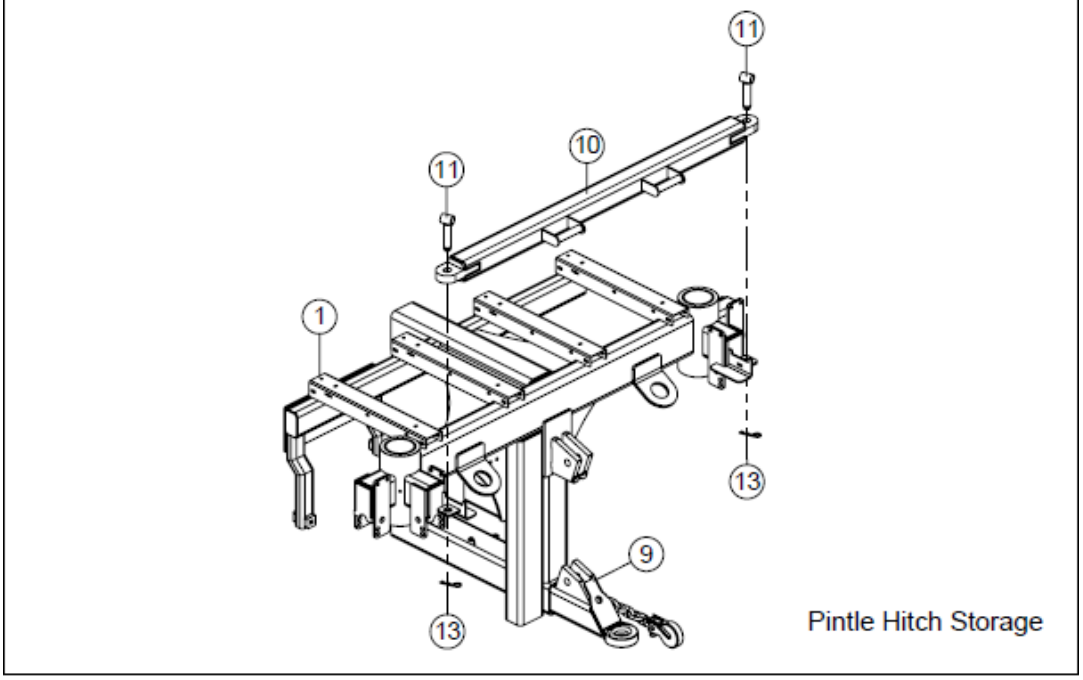
6.5 – Bagging Hitch

Key	Part Number	Description	Qty	Comments
1	AB3173291	Assembly, Hitch Extension	1	
1a	AB3173289	Extension, Hitch	1	
1b	AB3173389	Bushing, Hitch Pin	2	
1c	AB3173293	Spacer, Hitch Extension	1	
1d	AB3173294	Shim, Hitch Extension	AR	
1e	RC900131	Bolt, 1/2-13 x 1 Gr 5 YZ Hex	2	
1f	RC900431	Bolt, 1/2-13 x 2 Gr 5 CZ Carriage	1	
1g	RC900731	Washer, 1/2 YZ Lock	2	
1h	RC900691	Washer, 1/2 SAE YZ Hard Flat	3	
1j	RC900588	Nut, 1/2-13 YZ Nylock	1	
1k	RC903072	Bolt, 3/4-10 x 3-1/2 Gr 8 YZ Hex Tap	2	
1m	RC900540	Nut, 3/4-10 YZ Hex	2	
2	AB3172519	Assembly, Hitch	1	
2a	AB3172441	Hitch	1	
2b	RC903080	Pin, 1 x 4-1/2 YZ Hitch	1	
2c	RC900912	Pin, 1 x 6-1/4 YZ Hitch	1	
3	AB3172451	Assembly, Hitch Brace	1	
3a	AB3172444	Brace, Outer Hitch	1	
3b	AB3172447	Brace, Inner Hitch	1	
3c	RC902453	Pin, 3/4 x 3-1/2 CZ Bent Pull Hitch	1	Comes with clip
3d	RC903080	Pin, 1 x 4-1/2 YZ Hitch	2	
4	AB3172434	Hitch, Pivot	1	
5	AB3172450	Pivot, Hitch Brace	1	
6	RC902958	Pin, 3/16 x 2-1/2 CZ Cotter	1	
7	RC903080	Pin, 1 x 4-1/2 YZ Hitch	1	
8	RC902953	Pin, 1-1/2 x 4 CZ Clevis	1	
9	RC901822	Washer, 1-1/2 YZ Extra-Thick Flat	2	

6.6 – Hitch Storage



Bagging Hitch Storage

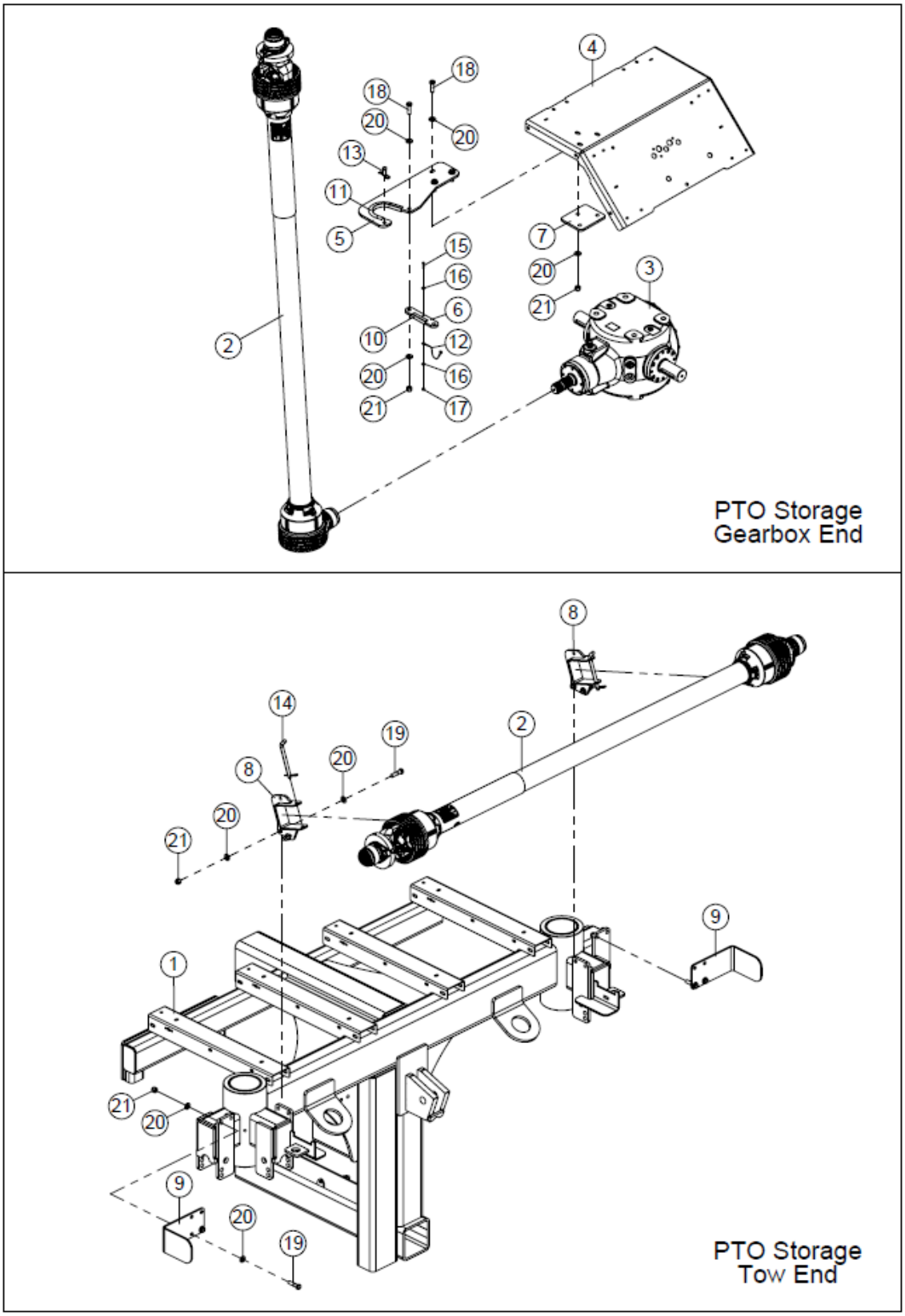


Pintle Hitch Storage

6.6 – Hitch Storage

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172519	Assembly, Hitch	1	
3	AB3172434	Hitch, Pivot	1	
4	AB3172451	Assembly, Hitch Brace	1	
5	AB3172450	Pivot, Hitch Brace	1	
6	AB3173285	Bracket, Hitch Storage	1	
7	AB3173268	Plate	1	
8	AB3173394	Bracket, Hitch Brace Storage	1	
9	AA0800866	Hitch, Pintle	1	
10	AA0800861	Brace, Pintle Hitch	1	
11	AA1120046	Pin, Pintle Hitch Brace 5-1/4	2	
12	RC903071	Pin, 1/2 x 5-3/4 YZ Hitch	2	
13	RC902949	Hairpin, 11/64 x 3-3/4 CZ	2	
14	RC901882	Bolt, 1/2-13 x 1-3/4 Gr 5 CZ Carriage	2	
15	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	3	
16	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
17	RC900588	Nut, 1/2-13 YZ Nylock	5	
18	AB3173286	Trim, 3" C.L. Edge	2	
19	AB3173287	Trim, 4" C.L. Edge	3	
20	AB3173288	Trim, 5" C.L. Edge	1	
21	AB3172964	Compartment, Storage	1	

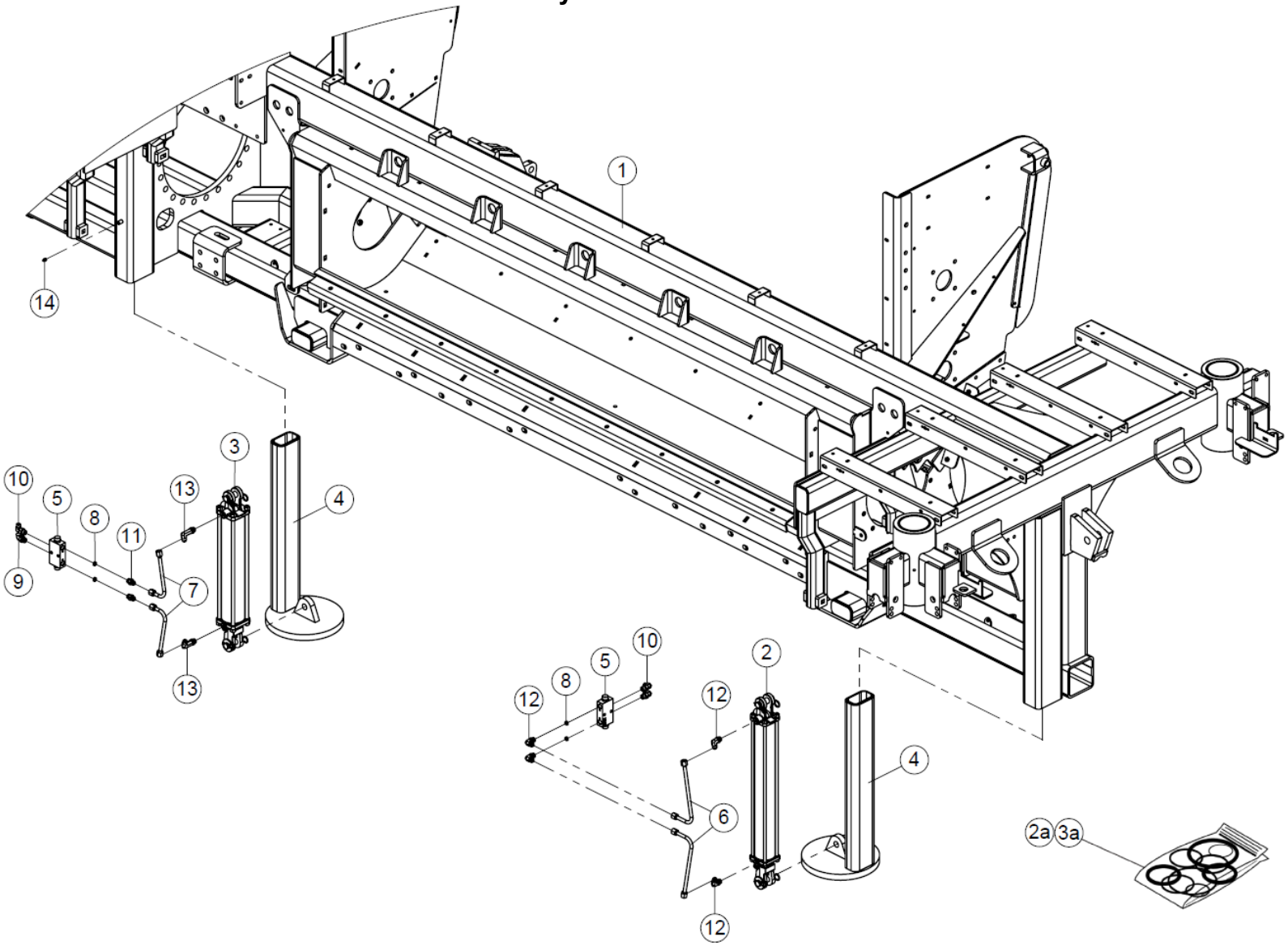
6.7 – PTO Storage



6.7 – PTO Storage

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172501	Shaft, PTO	2	See breakdown on Parts Page 10.3
3	AB3172897	Gearbox, Right Angle	1	See breakdown on Parts Page 10.2
4	AB3172561	Door, Control Panel	1	
5	AB3173266	Bracket, PTO Storage	1	
6	AB3173270	Bar, PTO Lock	1	
7	AB3173268	Plate	1	
8	AB3172894	Rest, PTO Storage	2	
9	AB3172885	Stop, PTO	2	
10	AB3173286	Trim, 3" C.L. Edge	1	
11	AB3173290	Trim, 9" C.L. PTO Holder Edge	1	
12	RC903070	Lanyard, 6" Eye/Eye SS	1	
13	RC902392	Pin, 1/2 x 1 CZ Clevis	1	
14	RC902195	Pin, 1/2 x 5 CZ Bent Pull Hitch	2	
15	RC900474	Screw, #10-24 x 1 CZ Hex	1	
16	RC900667	Washer, #10 SAE YZ Flat	2	
17	RC902420	Nut, #10-24 YZ Nylock	1	
18	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	4	
19	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	8	
20	RC900691	Washer, 1/2 SAE YZ Hard Flat	24	
21	RC900588	Nut, 1/2-13 YZ Nylock	12	

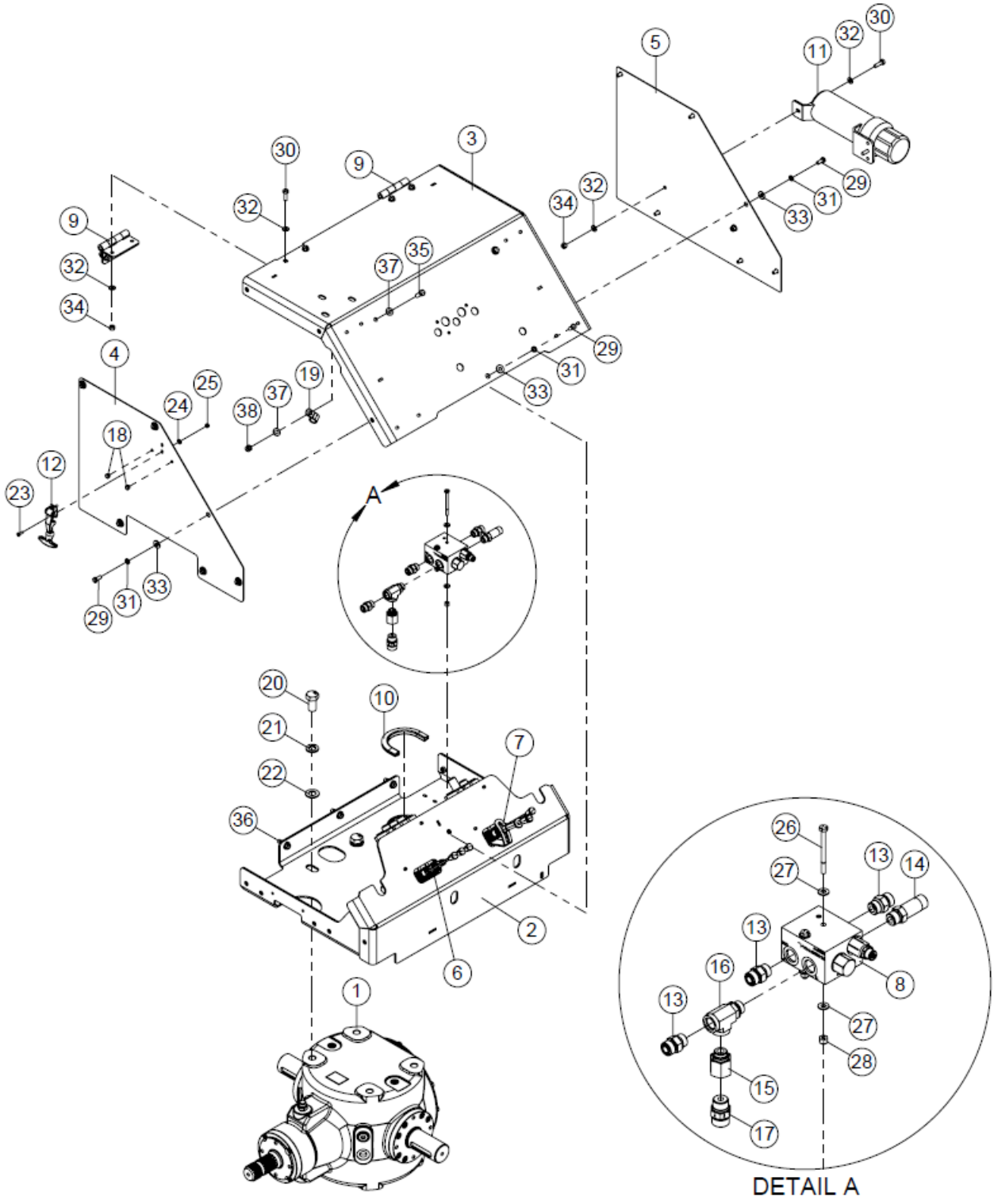
6.8 – Hydraulic Machine Lift



6.8 – Hydraulic Machine Lift

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	RC950872	Cylinder, 3" x 24" Tie Rod	1	
2a	RC950772	Kit, Seal	1	
3	RC950877	Cylinder, 3-1/2" x 18" Tie Rod	1	
3a	RC950878	Kit, Seal	1	
4	AB3172430	Pad, Lift	2	
5	AA907912	Valve, Double (-08) PO Check	2	
6	AA0901093	Tube, Hyd, 1/2", Lift PO Check	2	
7	AA0901176	Tube, 1/2" Lift PO CheckHydraulic	2	
8	RC703136	Orifice, -08 SAE One-Way .059" Plate	4	
9	RC700881	Elbow, -06 MORFS -08 MORB 45°	1	
10	RC700119	Elbow, -06 MORFS -08 MORB 90°	3	
11	RC701784	Adapter, -08 MJIC -08 MORB Straight	2	
12	RC701850	Elbow, -08 JIC -08 MORB 90°	4	
13	RC703179	Elbow, -08 JIC -08 MORB 90° Extra Long	2	
14	RC901873	Zerk, 1/8 NPT Straight Grease	1	

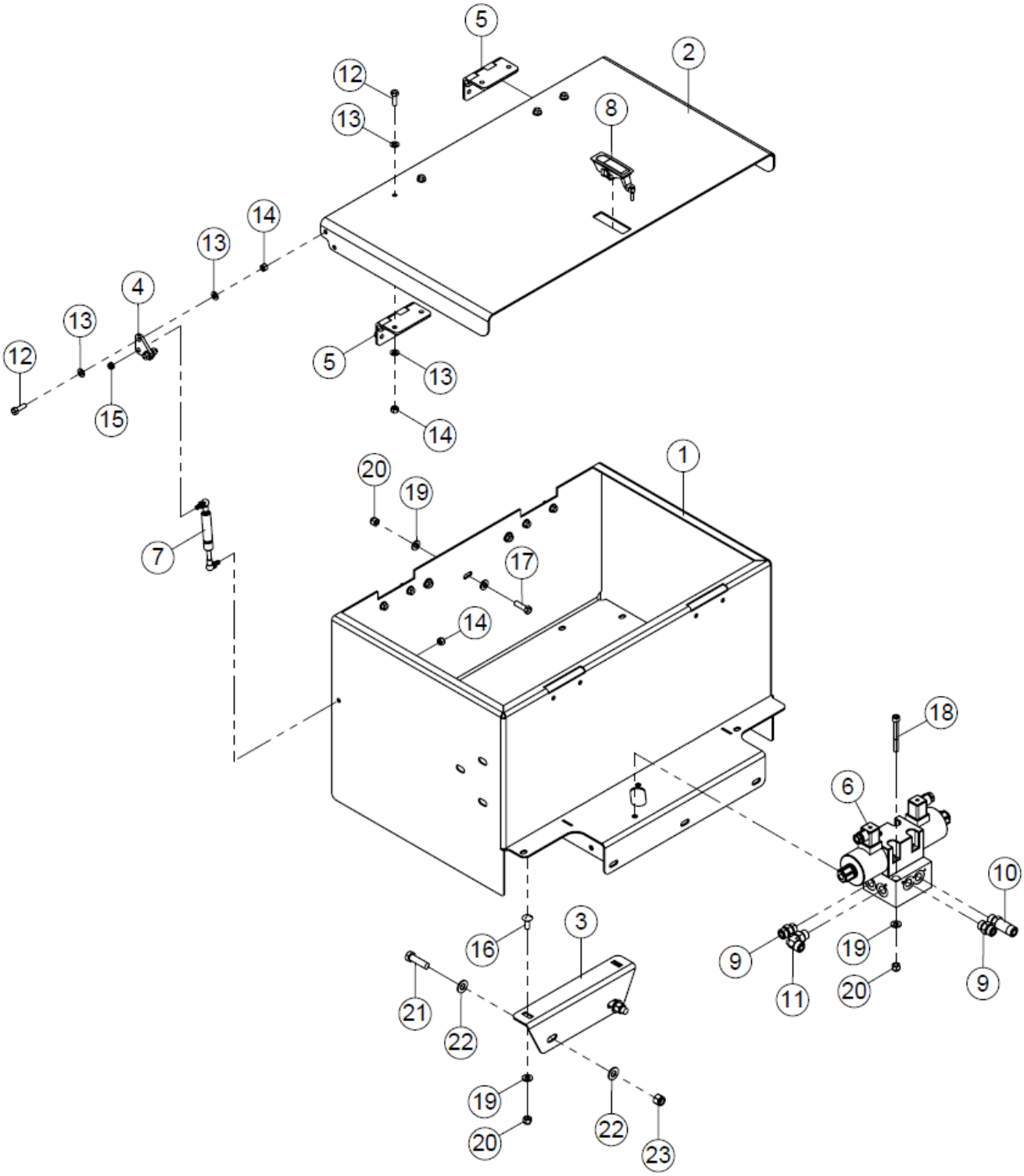
7.1 – Control Panel



7.1 – Control Panel

Key	Part Number	Description	Qty	Comments
1	AB3172897	Gearbox, Right Angle	1	See breakdown on Parts Page 10.2
2	AB3172558	Mount, Control Panel	1	
3	AB3172561	Door, Control Panel	1	
4	AB3172567	Cover, Front Side	1	
5	AB3172569	Cover, Back Side	1	
6	AB3172550	Valve, 3-Spool Manual Control	1	See breakdown on Parts Page 9.1 & 10.4
7	AB3171168	Valve, 2-Bank Hand Control	1	See breakdown on Parts Page 9.2 & 10.5
8	AB3172672	Assembly, Flow Control Manifold	1	See breakdown on Parts Page 10.11
9	AB3170340	Hinge, .188" x 4" x 4"	2	
10	AB3173326	Trim, 8" C.L. Edge	1	
11	RC950460	Holder, Manual	1	
12	RC950592	Latch, Rubber Draw	1	
13	RC700083	Adapter, -08 MORFS -08 MORB Straight	3	
14	RC700109	Adapter, -08 MORFS x -08 MORB Str Long	1	
15	RC700634	Reducer, -08 MORB -10 FORB Straight	1	
16	RC703071	Tee, -08 MORB Run	1	
17	RC703173	Valve, -10 MORB -10 MORFS Inline Check	1	
18	RC902772	Bumper, 7/16 x 3/16 Push-In Rubber	2	
19	RC902616	P-Clamp, 5/8 Cushion	2	
20	RC902775	Bolt, M20-2.5 x 40mm Gr 10.9 YZ Hex	4	
21	RC901299	Washer, M20 CZ Lock	4	
22	RC901356	Washer, M20 YZ Flat	4	
23	RC902738	Screw, #10-24 x 5/8 CZ Ph Pan Hd	2	
24	RC900667	Washer, #10 SAE YZ Flat	2	
25	RC902420	Nut, #10-24 YZ Nylock	2	
26	RC900050	Bolt, 1/4-20 x 3 Gr 5 YZ Hex	2	
27	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
28	RC900575	Nut, 1/4-20 YZ Nylock	2	
29	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	13	
30	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	10	
31	RC900726	Washer, 5/16 YZ Lock	13	
32	RC902162	Washer, 5/16 SAE YZ Hard Flat	19	
33	RC902698	Washer, 5/16 USS YZ Hard Flat	13	
34	RC900579	Nut, 5/16-18 YZ Nylock	10	
35	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	2	
36	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	3	
37	RC900677	Washer, 3/8 SAE YZ Hard Flat	10	
38	RC900583	Nut, 3/8-16 YZ Nylock	5	

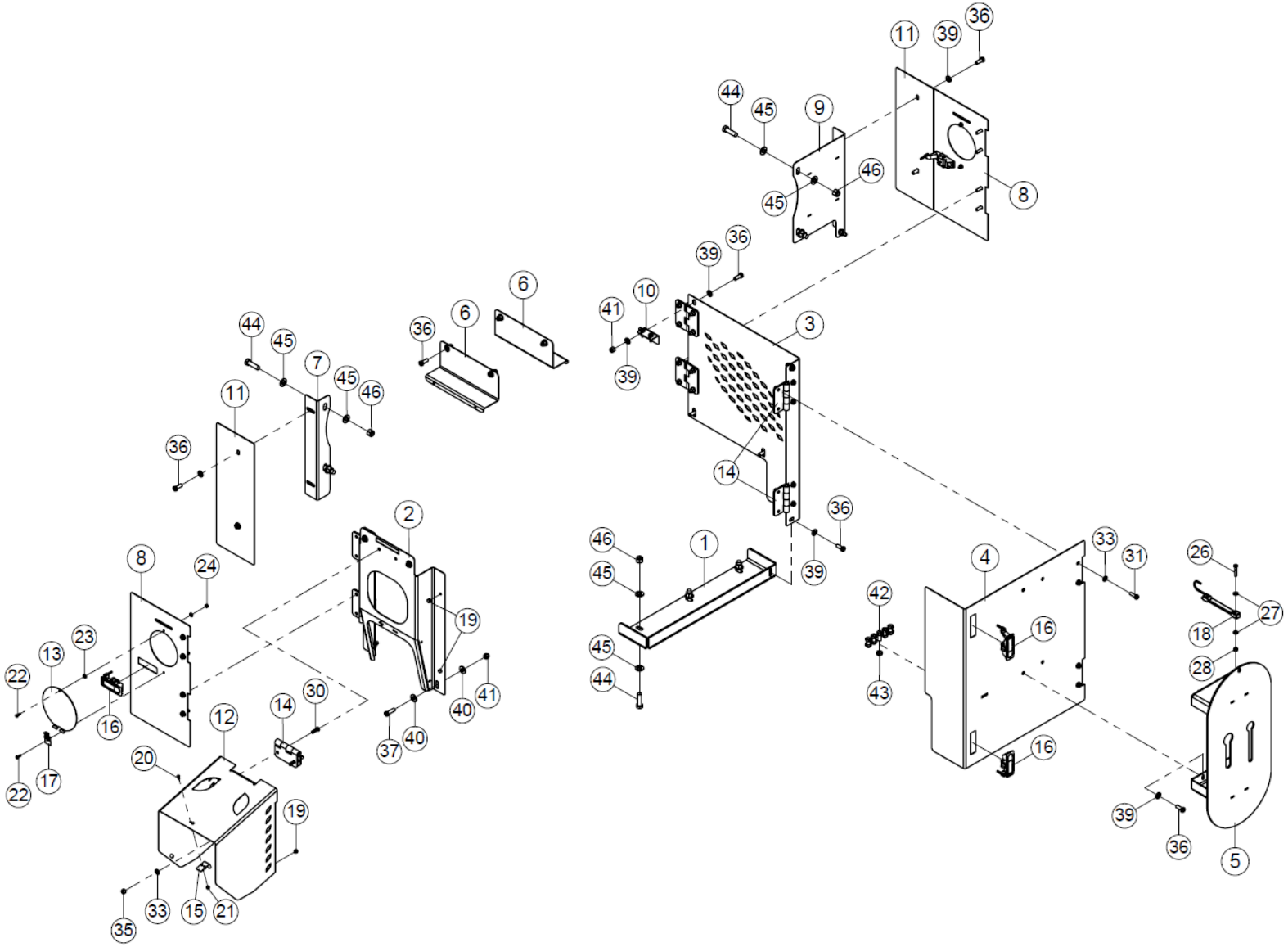
7.2 – Storage Compartment



7.2 – Storage Compartment

Key	Part Number	Description	Qty	Comments
1	AB3172964	Compartment, Storage	1	
2	AB3172966	Lid, Storage Compartment	1	
3	AB3172987	Brace, Storage Compartment	1	
4	AB3172989	Mount, Actuator	2	
5	AB3170340	Hinge, .188" x 4" x 4"	2	
6	AA0800254	Valve, Hydraulic Beater	1	See breakdown on Parts Page 10.12
7	RC950848	Gas Strut, 7.01" Extended Length 60 lb	2	
8	RC950076	Latch, Lever	1	
9	RC700083	Adapter, -08 MORFS -08 MORB Straight	2	
10	RC700109	Adapter, -08 MORFS x -08 MORB Str Long	1	
11	RC700125	Elbow, -08 MORFS -08 MORB 90°	1	
12	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	11	
13	RC902162	Washer, 5/16 SAE YZ Hard Flat	22	
14	RC900579	Nut, 5/16-18 YZ Nylock	13	
15	RC902085	Nut, 5/16-18 YZ Nylock Jam	2	
16	RC901781	Bolt, 3/8-16 x 1 Gr 5 CZ Carriage	2	
17	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	3	
18	RC903001	Screw, 3/8-16 x 3 CZ Socket Head Cap	2	
19	RC900677	Washer, 3/8 SAE YZ Hard Flat	10	
20	RC900583	Nut, 3/8-16 YZ Nylock	7	
21	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	2	
22	RC900691	Washer, 1/2 SAE YZ Hard Flat	4	
23	RC900588	Nut, 1/2-13 YZ Nylock	2	

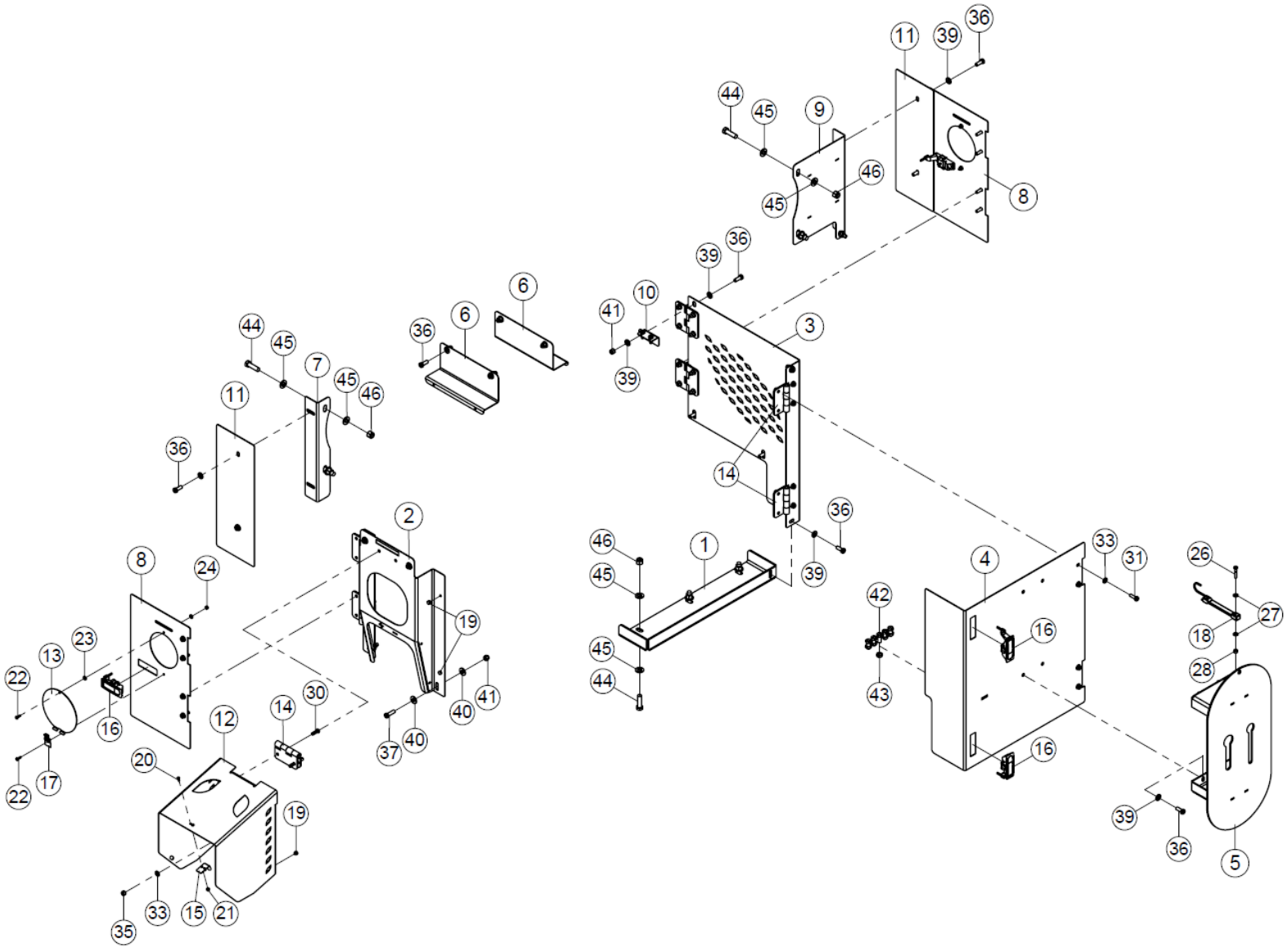
7.3 – Gearbox Shields



7.3 – Gearbox Shields

Key	Part Number	Description	Qty	Comments
1	AB3172950	Mount, Lower Cover	1	
2	AB3172970	Mount, PTO Shield	1	
3	AB3172972	Shield, Rear Gearbox	1	
4	AB3172974	Door, Gearbox Access	1	
5	AB3172565	Bracket, Hose Wrap	1	
6	AB3172976	Shield, Upper Chain	2	
7	AB3172978	Stop, Front Access Door	1	
8	AB3172982	Door, Access	2	
9	AB3172980	Stop, Rear Access Door	1	
10	AB3172985	Bracket, Upper Shield	1	
11	AB3173396	Cover, Gearbox Side	2	
12	AB3170388	Shield, PTO	1	
13	AB3170403	Cover, Gearbox Oil Access	2	
14	AB3170340	Hinge, .188" x 4" x 4"	7	
15	RC950592	Latch, Rubber Draw	1	
16	RC950076	Latch, Lever	4	
17	RC950607	Latch, Snap-Down Draw	2	
18	RC901698	Strap, 10 x 15 Rubber Bungee	1	
19	RC902772	Bumper, 7/16 x 3/16 Push-In Rubber	4	

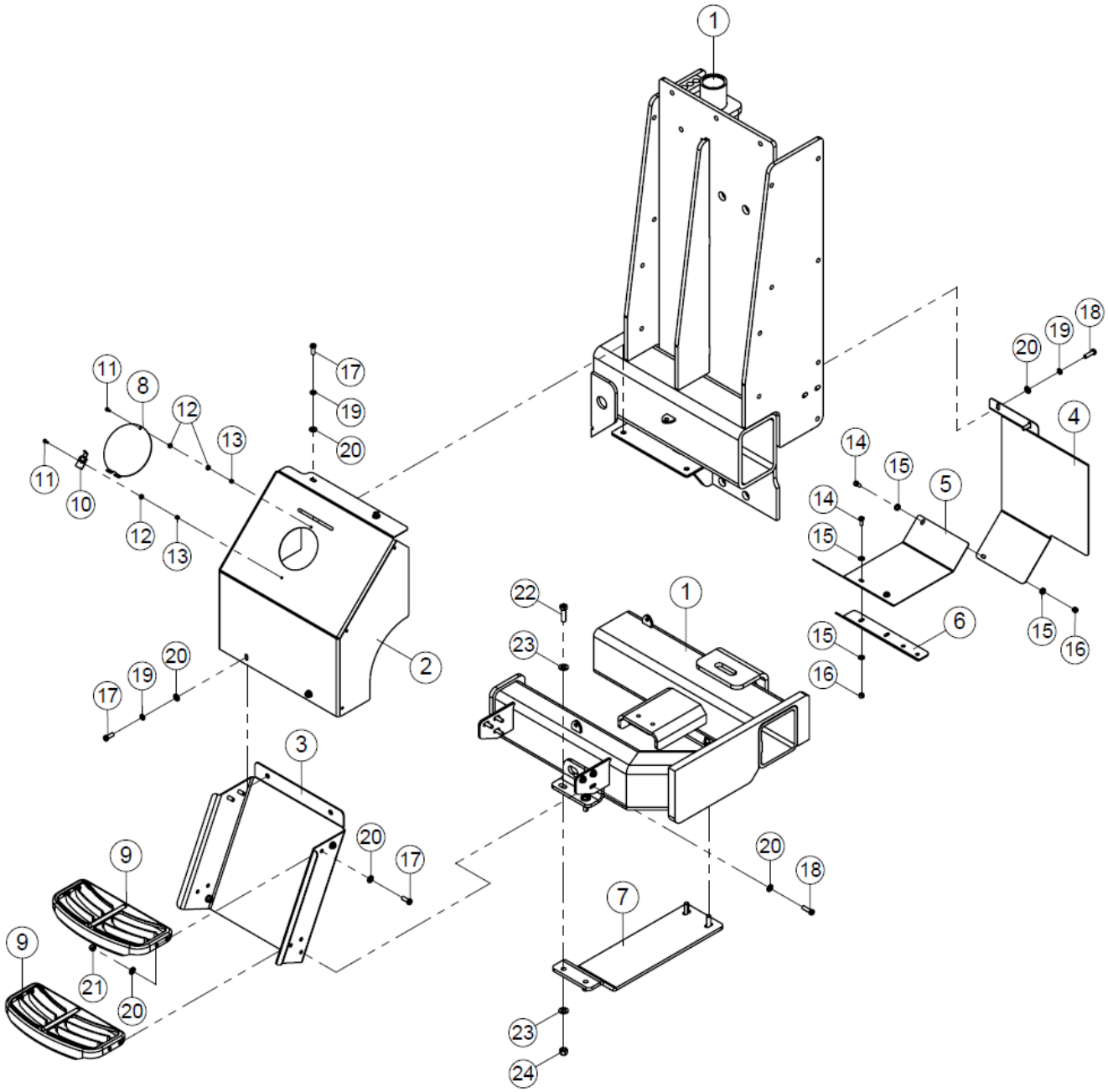
7.3 – Gearbox Shields – Continued



7.3 – Gearbox Shields – Continued

Key	Part Number	Description	Qty	Comments
20	RC900452	Screw, #8-32 x 1/2 CZ Ph Pan Hd	2	
21	RC901817	Nut, #8-32 YZ Nylock	2	
22	RC902738	Screw, #10-24 x 5/8 CZ Ph Pan Hd	4	
23	RC900667	Washer, #10 SAE YZ Flat	6	
24	RC902420	Nut, #10-24 YZ Nylock	4	
25	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	2	
26	RC900045	Bolt, 1/4-20 x 1-1/2 Gr5 YZ Hex	1	
27	RC902696	Washer, 1/4 SAE YZ Hard Flat	6	
28	RC900575	Nut, 1/4-20 YZ Nylock	3	
29	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	2	
30	RC901632	Screw, 5/16-18 x 1 CZ Button Head Socket	4	
31	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	24	
32	RC900726	Washer, 5/16 YZ Lock	2	
33	RC902162	Washer, 5/16 SAE YZ Hard Flat	52	
34	RC902698	Washer, 5/16 USS YZ Hard Flat	2	
35	RC900579	Nut, 5/16-18 YZ Nylock	28	
36	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	17	
37	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	3	
38	RC900728	Washer, 3/8 YZ Lock	2	
39	RC900677	Washer, 3/8 SAE YZ Hard Flat	32	
40	RC902699	Washer, 3/8 USS YZ Hard Flat	6	
41	RC900583	Nut, 3/8-16 YZ Nylock	18	
42	RC903085	Bolt, 7/16-14 x 1 Gr 5 YZ Hex	5	Spare PTO Hardware
43	RC900557	Nut, 7/16-14 Gr C YZ Top Lock	5	Spare PTO Hardware
44	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	7	
45	RC900691	Washer, 1/2 SAE YZ Hard Flat	14	
46	RC900588	Nut, 1/2-13 YZ Nylock	7	

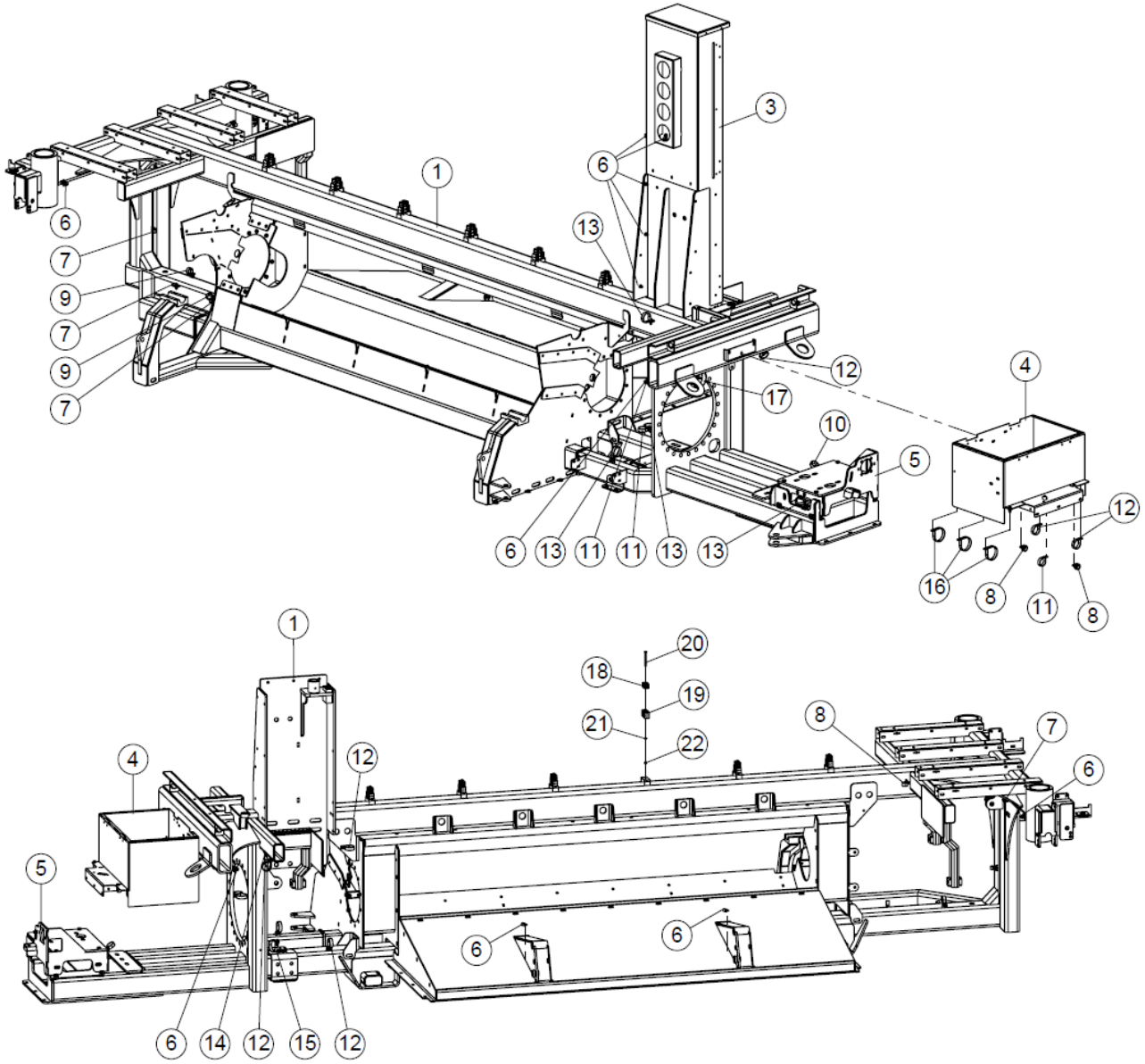
7.4 – Planetary Gearbox Coupler Shields & Steps



7.4 – Planetary Gearbox Coupler Shields & Steps

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172648	Cover, Chain	1	
3	AB3172649	Channel, Step	1	
4	AB3172671	Cover, Rear Chain	1	
5	AB3172664	Shield, Oil	1	
6	AB3172670	Support, Oil Deflector	1	
7	AB3172662	Plate, Pump Guard	1	
8	AB3170403	Cover, Gearbox Oil Access	1	
9	RC950410	Step, Black	2	
10	RC950607	Latch, Snap-Down Draw	1	
11	RC902738	Screw, #10-24 x 5/8 CZ Ph Pan Hd	2	
12	RC900667	Washer, #10 SAE YZ Flat	3	
13	RC902420	Nut, #10-24 YZ Nylock	2	
14	RC900084	Bolt, 5/16-18 x 3/4 Gr 5 YZ Hex	3	
15	RC902162	Washer, 5/16 SAE YZ Hard Flat	6	
16	RC900579	Nut, 5/16-18 YZ Nylock	3	
17	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	8	
18	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	8	
19	RC900728	Washer, 3/8 YZ Lock	6	
20	RC900677	Washer, 3/8 SAE YZ Hard Flat	26	
21	RC900583	Nut, 3/8-16 YZ Nylock	10	
22	RC901783	Bolt, 1/2 x 1-3/4 YZ Gr 8 Hex	4	
23	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
24	RC900588	Nut, 1/2-13 YZ Nylock	4	

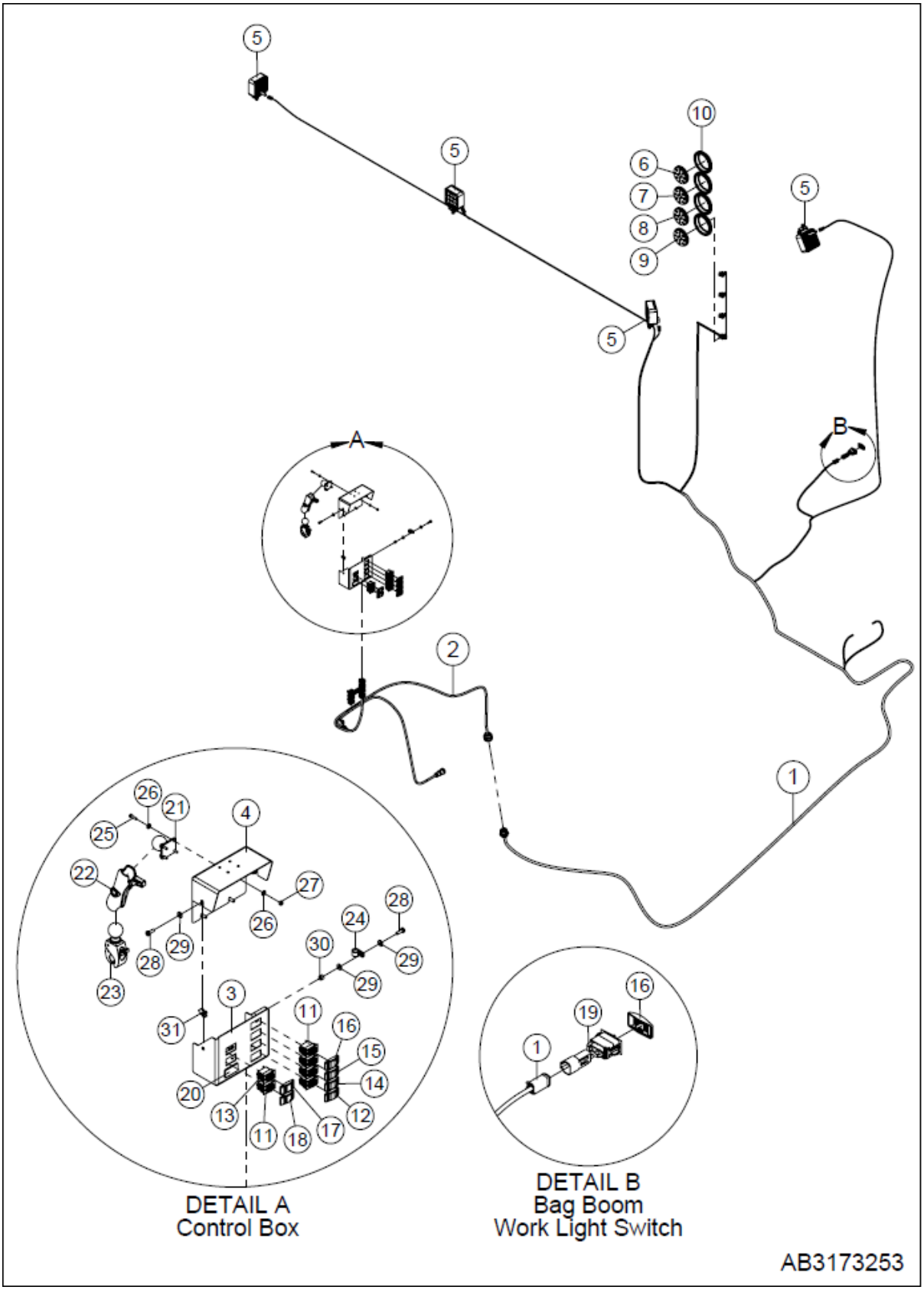
7.5 – Hose Clamps & P-clamps



7.5 – Hose Clamps & P-clamps

Key	Part Number	Description	Qty	Comments
1	AB3172201	Frame, T9096 Main	1	
2	AB3172389	Floor, Tunnel	1	
3	AB3172528	Enclosure, Anchor	1	
4	AB3172964	Compartment, Storage	1	
5	AB3173307	Mount, Gearbox	1	
6	RC901915	P-Clamp, 1/2 Cushion	11	
7	RC902616	P-Clamp, 5/8 Cushion	7	
8	RC902785	P-Clamp, 1-1/4 Cushion	3	
9	RC901689	P-Clamp, 1-1/2 Cushion	3	
10	RC903005	P-Clamp, 1-3/4 Cushion	1	
11	RC902066	P-Clamp, 2 Cushion	4	
12	RC903074	P-Clamp, 2-1/4 Cushion	6	
13	RC902067	P-Clamp, 2-1/2 Cushion	6	
14	RC901690	P-Clamp, 2-3/4 Cushion	1	
15	RC902597	P-Clamp, 3 Cushion	1	
16	RC902612	P-Clamp, 3-1/2 Cushion	3	
17	RC903081	Strap, 24 x 1-1/4 Carabiner Hook & Loop	1	
18	RC703113	Clamp, Double Line .677" ID	6	
19	RC703115	Clamp, Double Line 1.18" ID	6	
20	RC900075	Bolt, 5/16-18 x 3-3/4 Gr 5 YZ Hex	6	
21	RC902162	Washer, 5/16 SAE YZ Hard Flat	6	
22	RC900579	Nut, 5/16-18 YZ Nylock	6	
23	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	2	
24	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	39	
25	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	3	
26	RC900677	Washer, 3/8 SAE YZ Hard Flat	88	
27	RC900583	Nut, 3/8-16 YZ Nylock	44	

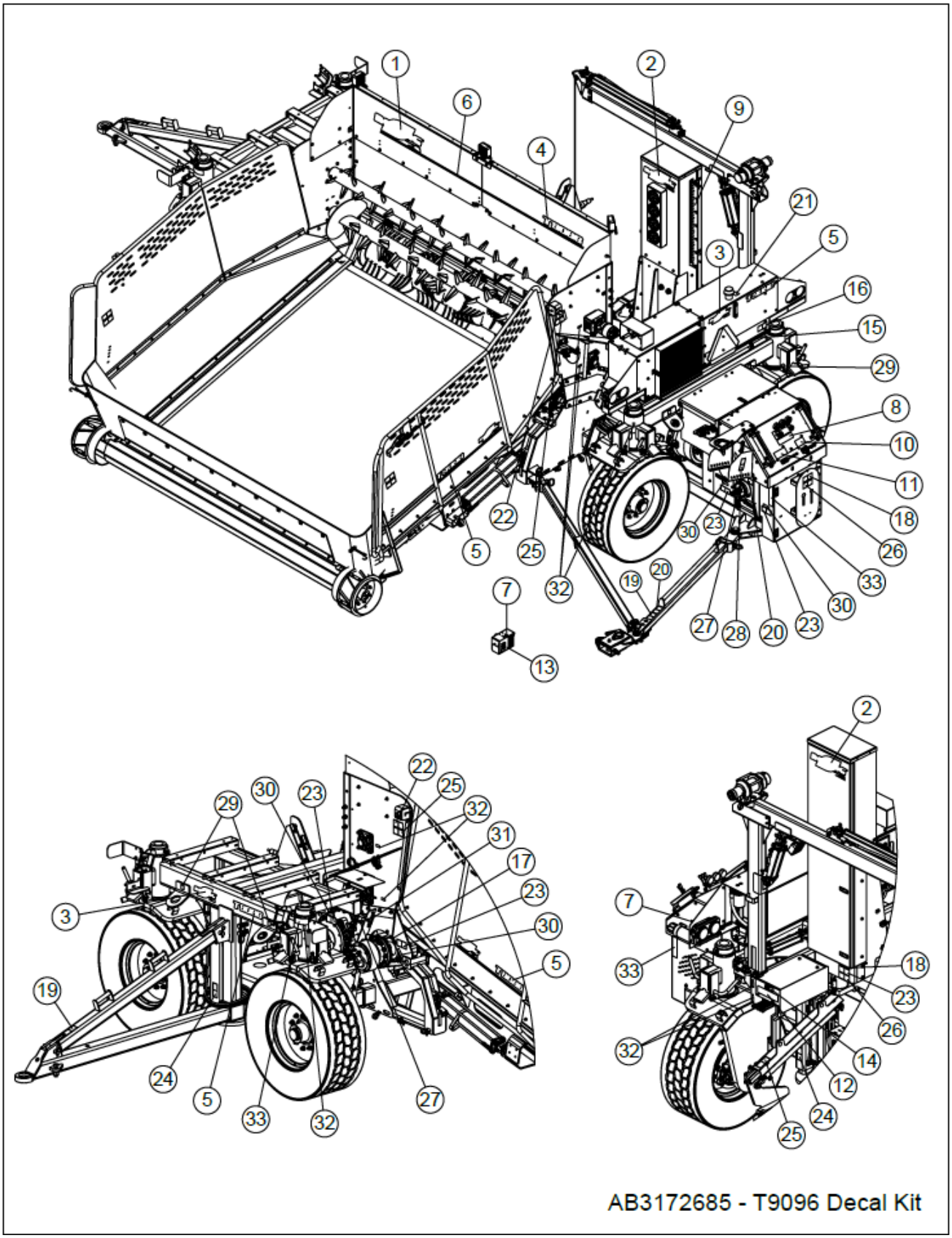
8.1 – Electrical Controls



8.1 – Electrical Controls

Key	Part Number	Description	Qty	Comments
1	AB3172855	Harness, T9096 Bagger	1	
2	AB3172856	Harness, T9096 Cab	1	
3	AB3173241	Box, Lower Control	1	
4	AB3173244	Cover, Control Box	1	
5	RC750666	Light, LED Flood Work	4	
6	RC750654	Indicator, Red 4 Inch Round 12v LED	1	
7	RC750655	Indicator, Amber 4 Inch Round 12v LED	1	
8	RC750656	Indicator, Green 4 Inch Round 12v LED	1	
9	RC750657	Indicator, Blue 4 Inch Round 12v LED	1	
10	RC750658	Grommet, 4 Inch Round Light	4	
11	RC750278	Switch, 12V/20A SPST One Light On/Off Rocker	5	
12	RC750662	Switch Actuator, Black with Blue Lens	1	
13	RC750017	Switch, 12V/20A SPDT On/Off/On Two Light Rocker	1	
14	RC750661	Switch Actuator, Black with Green Lens	1	
15	RC750660	Switch Actuator, Black with Amber Lens	1	
16	RC750279	Switch Actuator, Black with Red Lens	2	
17	RC750664	Switch Actuator, Contura III Black with 2 Thin Red Lens	1	
18	RC750663	Switch Actuator, Contura III Black with Thin Red Lens	1	
19	RC750683	Switch, 12V/20A SPST One Light On/Off 4 Pin DT Rocker	1	
20	RC750574	Plug, Rocker Switch	1	
21	RC750665	Mount, RAM 1.5" Ball Rectangle AMPS Base	1	
22	RC750560	Arm, RAM 1.5" Ball Medium Double Socket	1	
23	RC750573	Mount, Ram 1-1/2" Ball Claw 5/8-1-1/2" Rail	1	
24	RC902783	P-Clamp, 1/2 Cushion	1	
25	RC902490	Screw, #10-24 x 3/4 CZ Hex	4	
26	RC900667	Washer, #10 SAE YZ Flat	8	
27	RC902420	Nut, #10-24 YZ Nylock	4	
28	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	5	
29	RC902696	Washer, 1/4 SAE YZ Hard Flat	6	
30	RC900575	Nut, 1/4-20 YZ Nylock	1	
31	RC903020	Nut, 1/4-20 Clip Barrel	4	

8.2 – Machine Decals

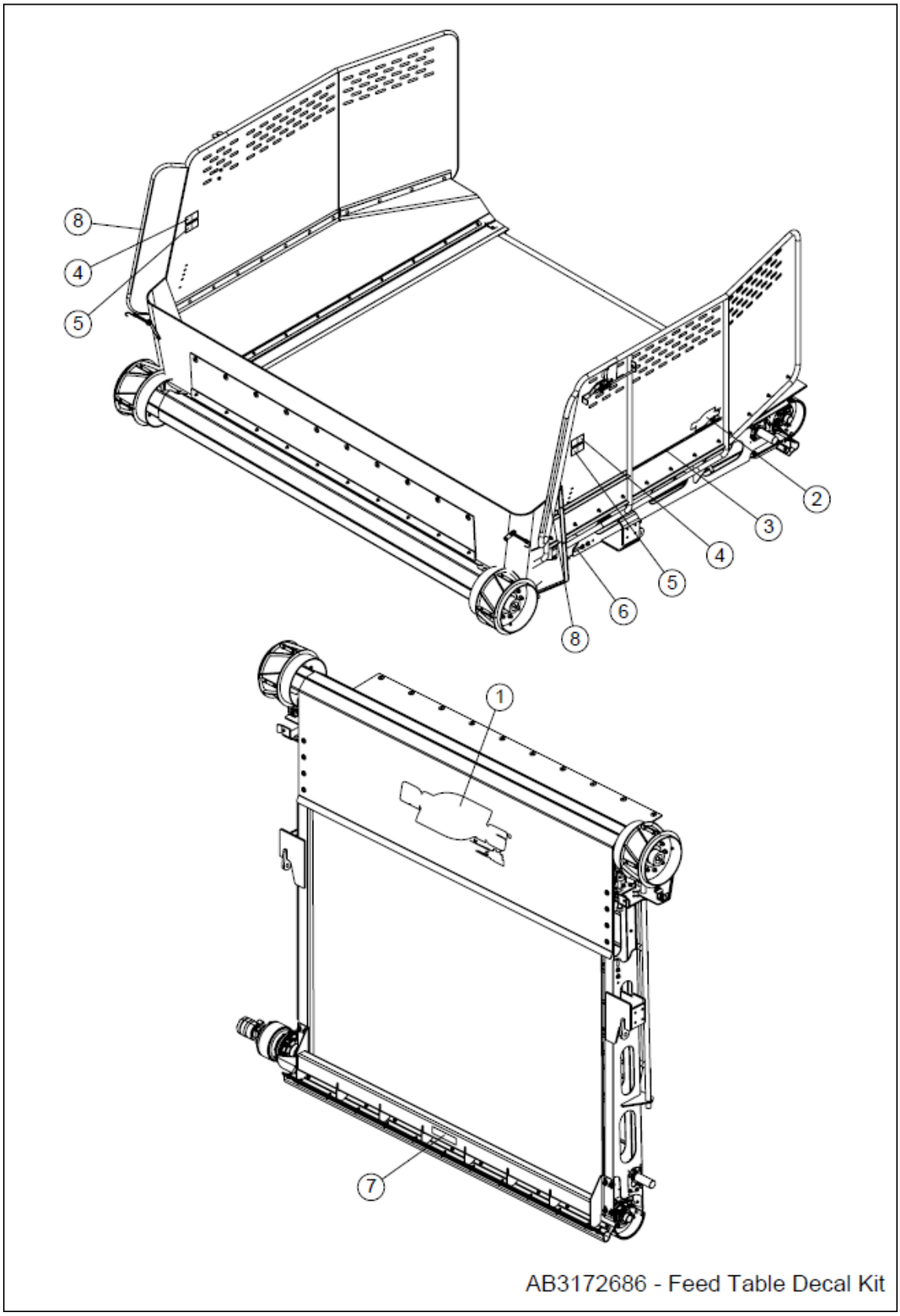


AB3172685 - T9096 Decal Kit

8.2 – Machine Decals

Key	Part Number	Description	Qty	Comments
1	AA0800934	Decal, 8.9" x 24.4" AgBag by RCI Logo	1	
2	AA0800935	Decal, 5.9" x 16" AgBag by RCI Logo	2	
3	AA0800936	Decal, 4" x 10.8" AgBag by RCI Logo	2	
4	AB3172679	Decal, T9096 Model Number	2	
5	AB3172684	Decal, T9096 Model Number Conveyor	4	
6	AB3171759	Decal, 104" Double Line	1	
7	AB3171739	Decal, Ag-Bag Manuals QR Code	2	
8	AB3172692	Decal, Anchor and Brake System Gauge	1	
9	AB3171676	Decal, Anchor Position	1	
10	AB3172681	Decal, Cleanout Door and Anchor Position Controls	1	
11	AB3172680	Decal, Conveyor and Machine Lift Controls	1	
12	AB3172996	Decal, Hydraulic Bag Boom w/ Bag Pan Controls	1	
13	AB3173235	Decal, Control Box Overlay	1	
14	AB3173458	Decal, Boom Work Light	1	
15	RC901937	Decal, American Flag	1	
16	RC902822	Decal, Hot Surface Warning	1	
17	RC902993	Decal, Mobilube™ HD Plus Gear Oil 85W-140	1	
18	RC901934	Decal, Read OPM	2	
19	RC902821	Decal, 25 MPH Speed Limit	2	
20	RC902843	Decal, 1000 PTO Warning	2	
21	RC901959	Decal, Universal Trans Oil	1	
22	RC902036	Decal, ISO Auger Entanglement	2	
23	RC901932	Decal, ISO Entanglement Hazard	7	
24	RC902992	Decal, ISO Foot Crush Hazard Vertical	3	
25	RC902034	Decal, ISO Hand Crush Hazard	4	
26	RC901935	Decal, ISO High Pressure Fluid Hazard	4	
27	RC901926	Decal, ISO Keep Safe Distance	7	
28	RC902791	Decal, ISO PTO Entanglement	2	
29	RC901930	Decal, ISO Tiedown	4	
30	RC902797	Decal, Oil Every 2 Hours	6	
31	RC902796	Decal, Grease Every 2 Hours	2	
32	RC901933	Decal, Grease	20	
33	RC901939	Reflector, Yellow 2 x 9	5	Not included in kit

8.3 – Feed Table Decals

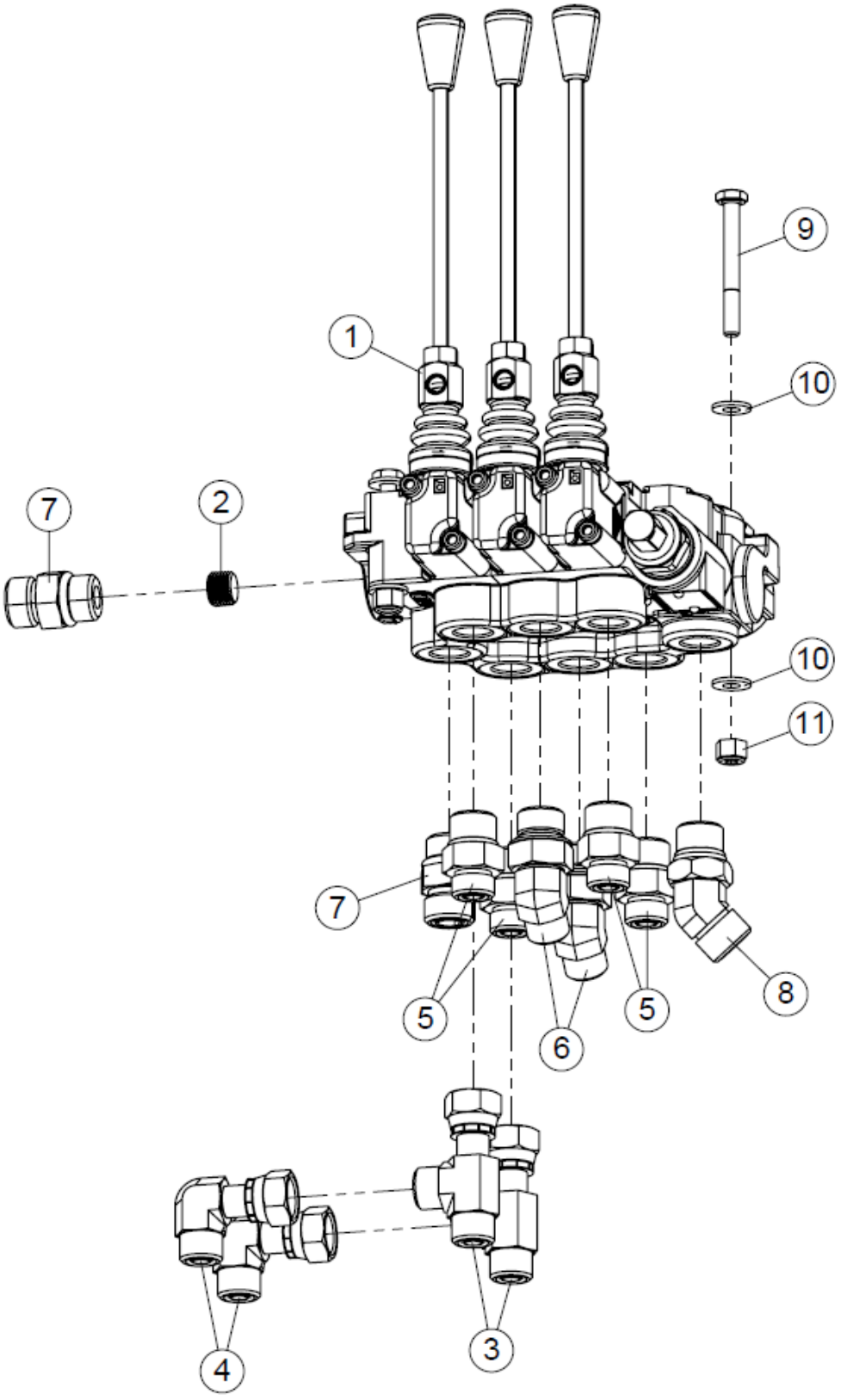


AB3172686 - Feed Table Decal Kit

8.3 – Feed Table Decals

Key	Part Number	Description	Qty	Comments
1	AA0800933	Decal, 14.7" x 40" AgBag by RCI Logo	1	
2	AA0800936	Decal, 4" x 10.8" AgBag by RCI Logo	2	
3	AB3172683	Decal, 34" Double Line	2	
4	RC902036	Decal, ISO Auger Entanglement	4	
5	RC902792	Decal, ISO Conveyor Entanglement	4	
6	RC901933	Decal, Grease	2	
7	RC901939	Reflector, Yellow 2 x 9	1	Not included in kit
8	AB3172693	Tape, 1" x 34" C.L. White Reflective	2	Not included in kit

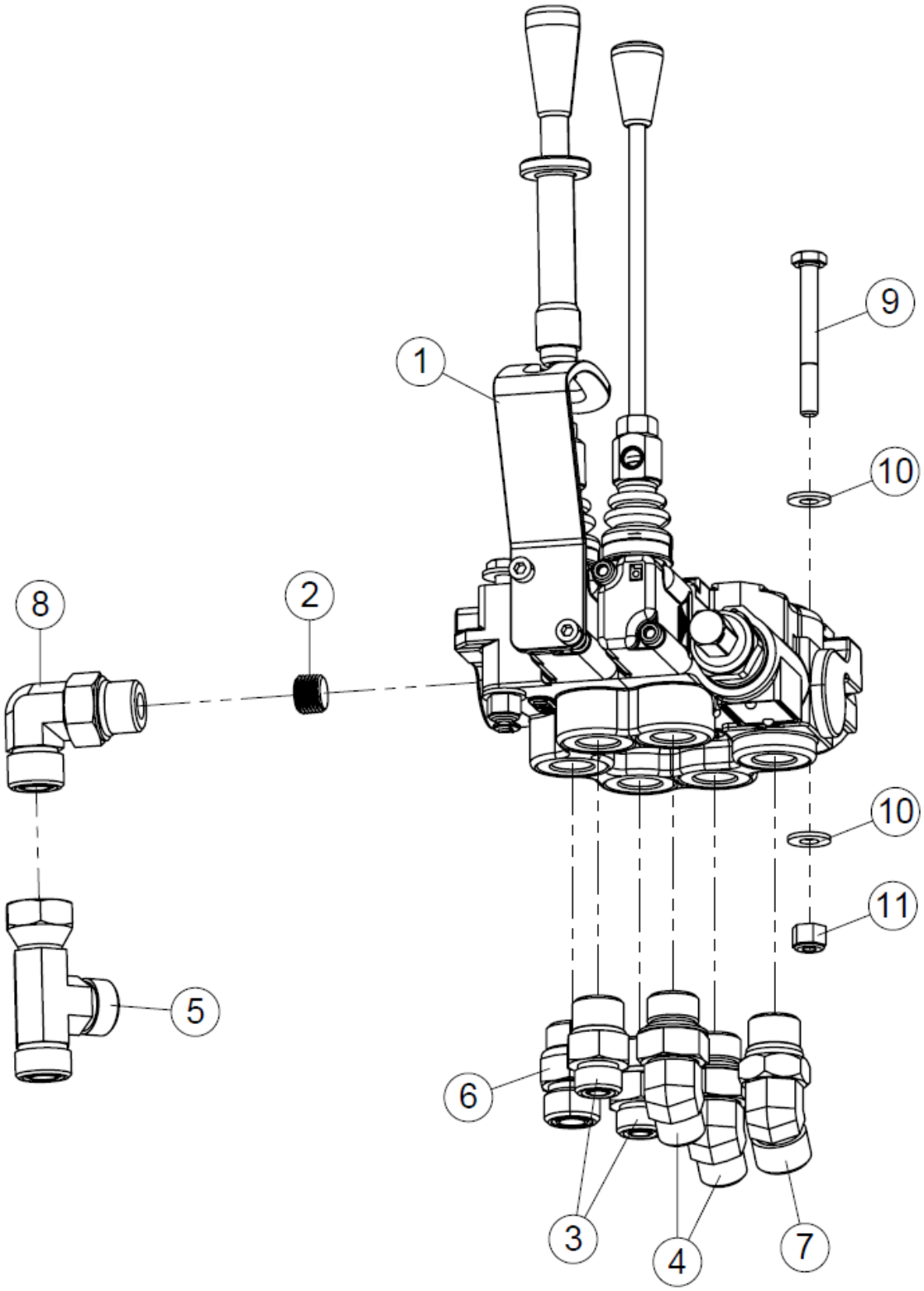
9.1 – Feed Table & Machine Lift Control Valve Fittings



9.1 – Feed Table & Machine Lift Control Valve Fittings

Key	Part Number	Description	Qty	Comments
1	AB3172550	Valve, 3-Spool Manual Control	1	See breakdown on Parts Page 10.4
2	RC950728	Plug, Power Beyond	1	
3	RC700156	Tee, -06 ORFS Run Thru	2	
4	RC700181	Elbow, -06 MORFS -06 FORFS Swivel 90°	2	
5	RC700078	Adapter, -06 MORFS -08 MORB Straight	4	
6	RC700881	Elbow, -06 MORFS -08 MORB 45°	2	
7	RC700083	Adapter, -08 MORFS -08 MORB Straight	2	
8	RC700884	Elbow, -08 MORFS -08 MORB 45°	1	
9	RC900048	Bolt, 1/4-20 x 2-1/4 Gr 5 YZ Hex	2	
10	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
11	RC900575	Nut, 1/4-20 YZ Nylock	2	

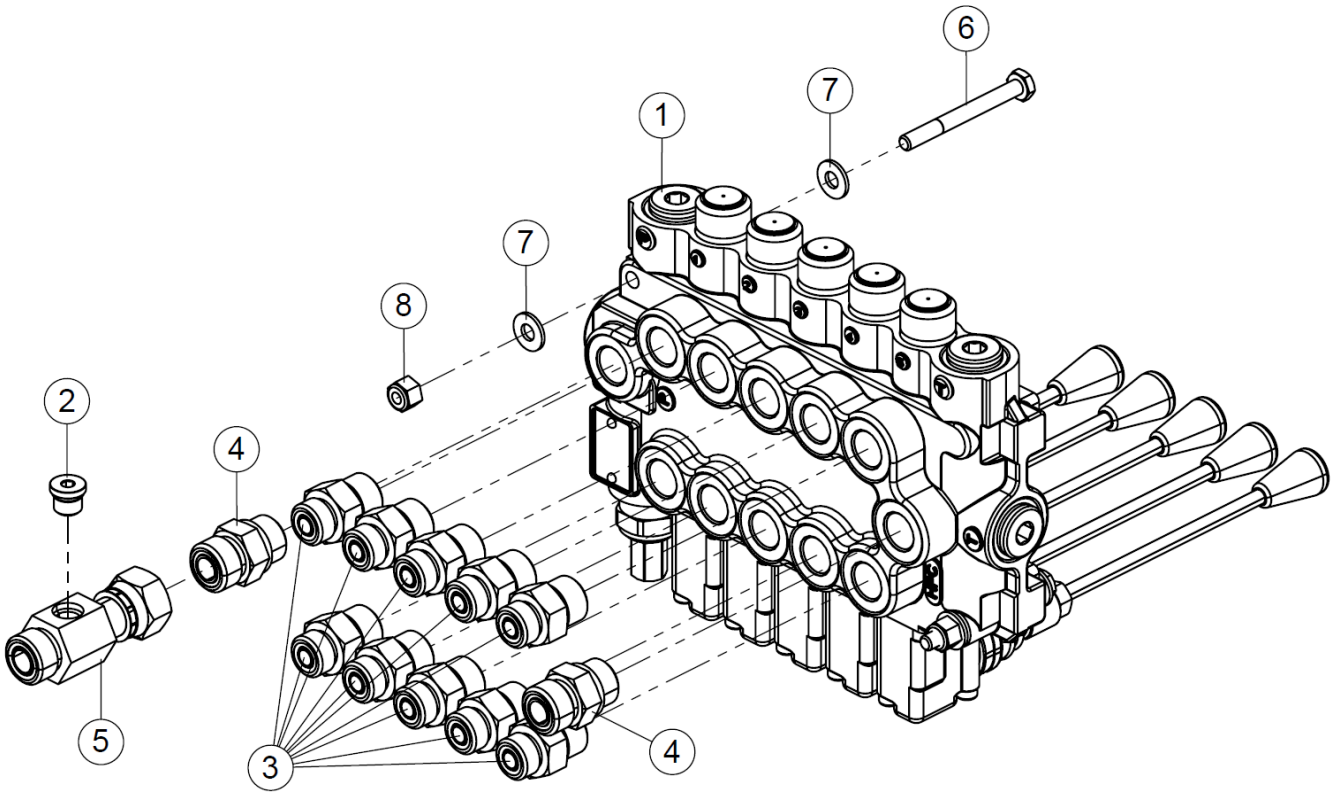
9.2 – Tunnel Cleanout & Anchors Control Valve Fittings



9.2 – Tunnel Cleanout & Anchors Control Valve Fittings

Key	Part Number	Description	Qty	Comments
1	AB3171168	Valve, 2-Bank Hand Control	1	See breakdown on Parts Page 10.5
2	RC950728	Plug, Power Beyond	1	
3	RC700078	Adapter, -06 MORFS -08 MORB Straight	2	
4	RC700881	Elbow, -06 MORFS -08 MORB 45°	2	
5	RC700157	Tee, -08 ORFS Run Thru	1	
6	RC700083	Adapter, -08 MORFS -08 MORB Straight	1	
7	RC700884	Elbow, -08 MORFS -08 MORB 45°	1	
8	RC700125	Elbow, -08 MORFS -08 MORB 90°	1	
9	RC900048	Bolt, 1/4-20 x 2-1/4 Gr 5 YZ Hex	2	
10	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
11	RC900575	Nut, 1/4-20 YZ Nylock	2	

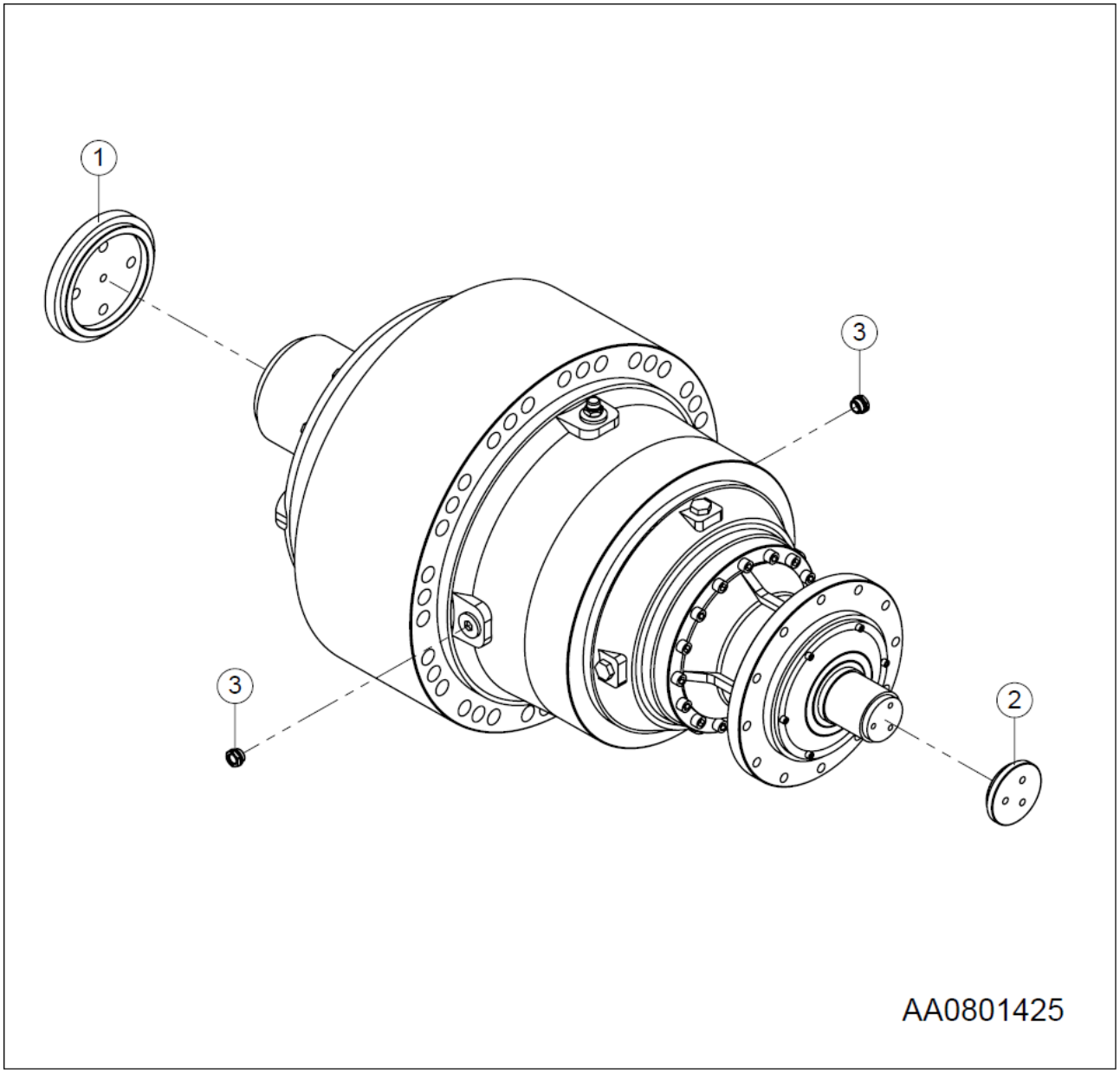
9.3 – Bag Boom & Bag Pan Control Valve Fittings



9.3 – Bag Boom & Bag Pan Control Valve Fittings

Key	Part Number	Description	Qty	Comments
1	AB3172900	Valve, 5-Spool Manual Control	1	See breakdown on Parts Page 10.6
2	RC700619	Plug, -04 MORB Socket Head	1	
3	RC700078	Adapter, -06 MORFS -08 MORB Straight	10	
4	RC700083	Adapter, -08 MORFS -08 MORB Straight	2	
5	RC703199	Tee, -08 ORFS -04 FORB Test Port	1	
6	RC900049	Bolt, 1/4-20 x 2-1/2 Gr 5 YZ Hex	2	
7	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
8	RC900575	Nut, 1/4-20 YZ Nylock	2	

10.1 – Planetary Gearbox

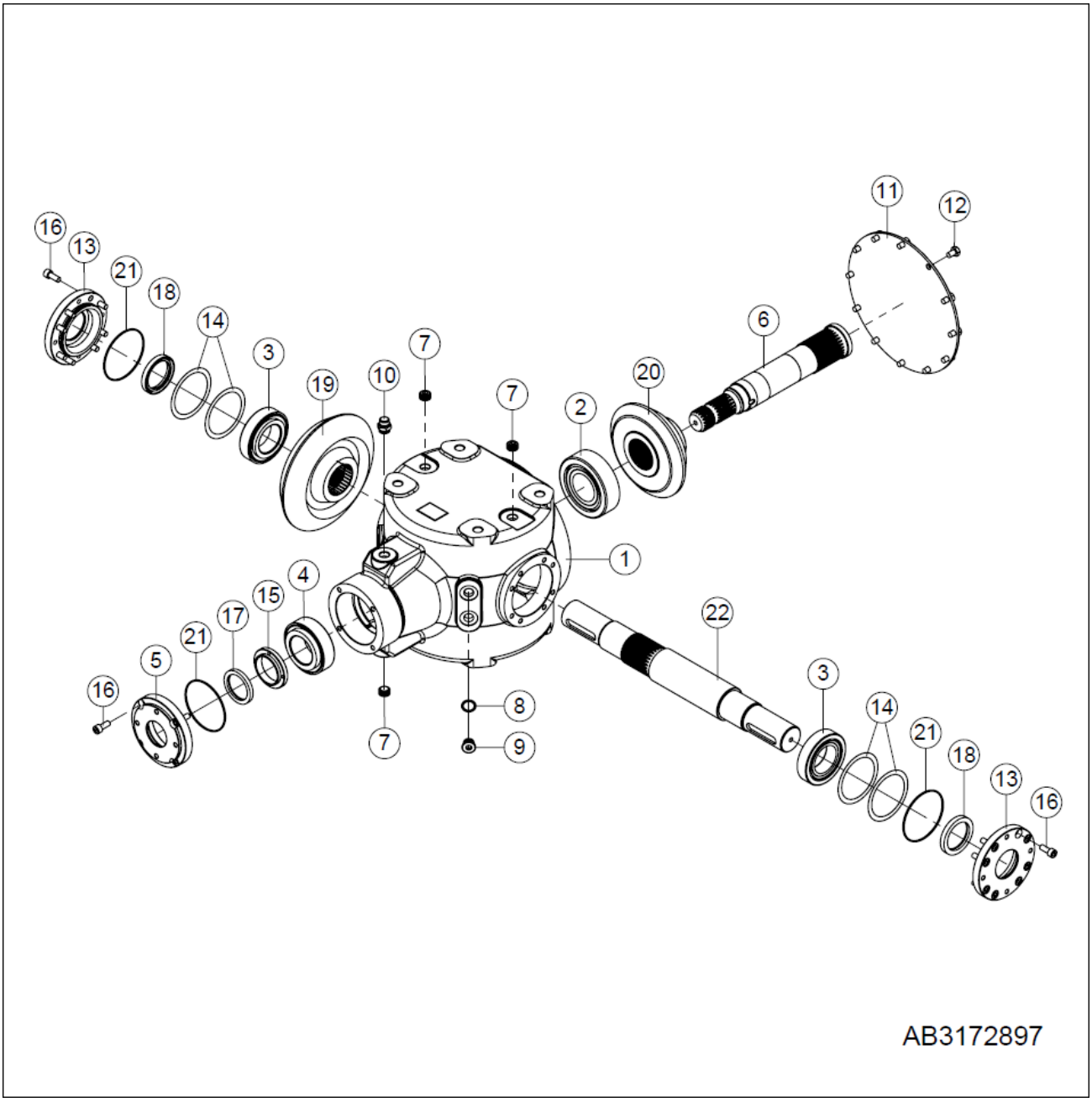


10.1 – Planetary Gearbox

Key	Part Number	Description	Qty	Comments
1	AA0800907	Plate, Retainer Output GB13000	1	
2	AA0800908	Plate, Retainer Input GB13000	1	
3	RC703230	Gauge, G1/2" (BSPP) Sight	2	
4	AA0801444	Kit, GB16002 Seal	1	
5	AB3173460	Oil, GL-5 80W-140 Gear	1	Planetary gearbox oil

****See LX1214 Ag-Bagger Parts Manual (starting on page 229) For Complete Breakdown of AA0801425 Planetary Gearbox Assembly.**

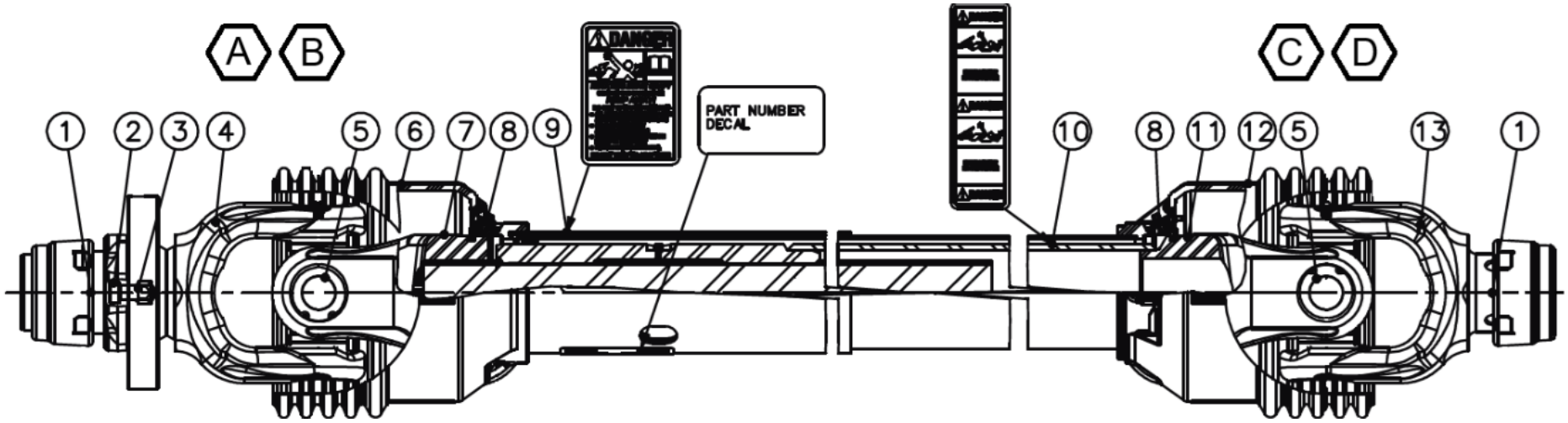
10.2 – Right Angle Gearbox



10.2 – Right Angle Gearbox

Key	Part Number	Description	Qty	Comments
1	AB3173466	Case, Gearbox	1	
2	AB3173467	Bearing	1	
3	AB3173468	Bearing	2	
4	AB3173469	Bearing	1	
5	AB3173470	Flange	1	
6	AB3173471	Shaft, Input	1	
7	AB3173472	Plug	5	
8	AB3173473	Washer, Copper	3	
9	AB3173474	Plug	3	
10	AB3173475	Breather	1	
11	AB3173476	Cover, Rear	1	
12	RC901212	Bolt, M10-1.5 x 16mm Gr 10.9 YZ Hex	12	
13	AB3173477	Flange	2	
14	AB3173478	Shim	4	
15	AB3173479	Ring	1	
16	RC901261	Screw, M10-1.5 x 25mm CZ SH Cap	20	
17	AB3173480	Seal	1	
18	AB3173481	Seal	2	
19	AB3173482	Gear	1	
20	AB3173483	Gear	1	
21	AB3173484	O-ring	3	
22	AB3173485	Shaft, Output	1	
23	AB3173461	Oil, GL-5 80W-90 Gear	1	Right angle gearbox oil

10.3 – 1000 PTO (AB3172501)

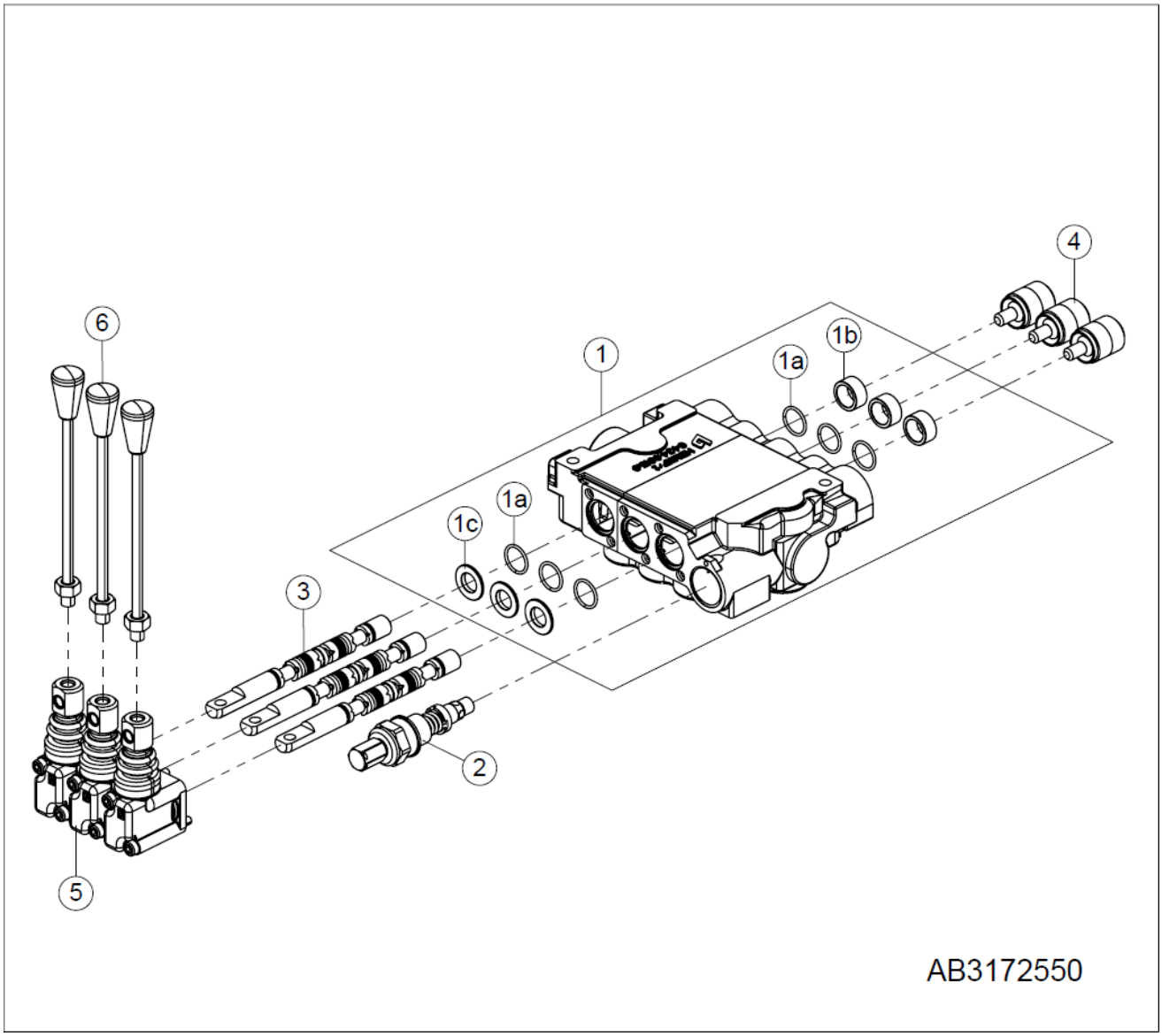


10.3 – 1000 PTO (AB3172501)

Key	Part Number	Description	Qty	Comments
A	AB3173486	Half, Joint & Shaft Guarded	1	
B	AB3173487	Half, Joint & Shaft	1	
C	AB3173488	Half, Joint & Tube Guarded	1	
D	AB3173489	Half, Joint & Tube	1	
1	AB3173500	Kit, Slide Lock/Auto-Lok Repair	2	
2	RC903085	Bolt, 7/16-14 x 1 Gr 5 YZ Hex	2	Spares located on gearbox access door
3	RC900557	Nut, 7/16-14 Gr C YZ Top Lock	2	Spares located on gearbox access door
4	AB3173493	Shear, 77 Ball	1	
5	AB3173492	Kit, 77EBL Cross	2	
6	AB3173490	Guard, Outer	1	
7	AB3173491	Shaft, Yoke & (1.88-20 Spline)	1	
8	AB3173498	Kit, Guard Repair	2	
9	AB3173497	Decal, Safety	1	
10	AB3173499	Decal, Safety	1	
11	AB3173495	Yoke, Tube & Slip Sleeve	1	
12	AB3173494	Guard, Inner	1	
13	AB3173496	Yoke, 77 Auto-Lok	1	

For complete PTO assembly, order AB3172501.

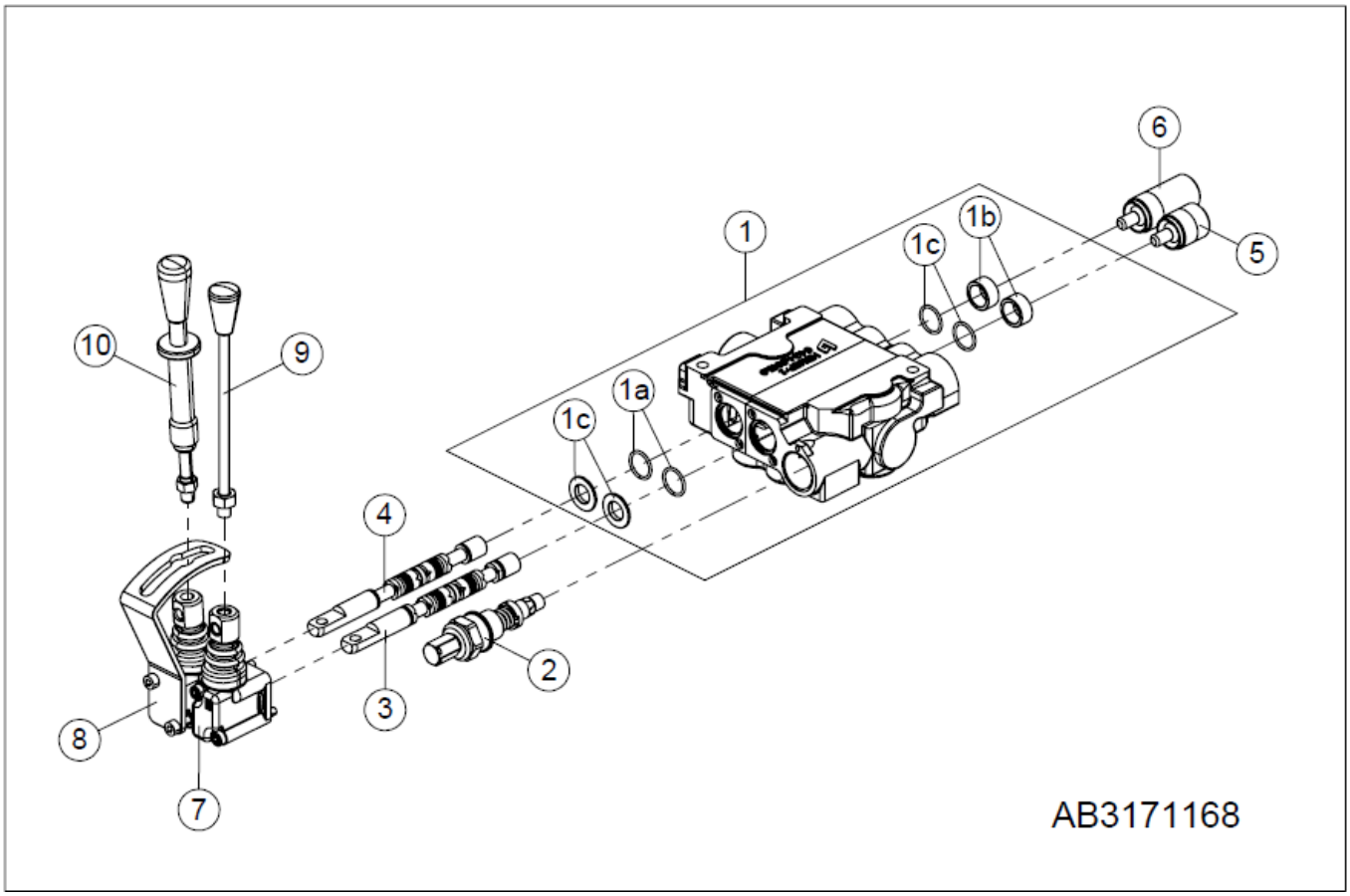
10.4 – Feed Table & Machine Lift Control Valve



10.4 – Feed Table & Machine Lift Control Valve

Key	Part Number	Description	Qty	Comments
1	AB3172153	Body, Distributor	1	Order AB3172550 for complete assembly
1a	AB3171002	O-Ring	6	
1b	AB3171003	Spacer	3	
1c	AB3171004	Spacer, Open Slot	3	
2	AB3171005	Valve	1	
3	AB3171006	Spool, Type A	3	
4	AB3171008	Positioner	3	
5	AB3171010	Cap, Lever	3	
6	AB3171012	Lever, 150mm	3	

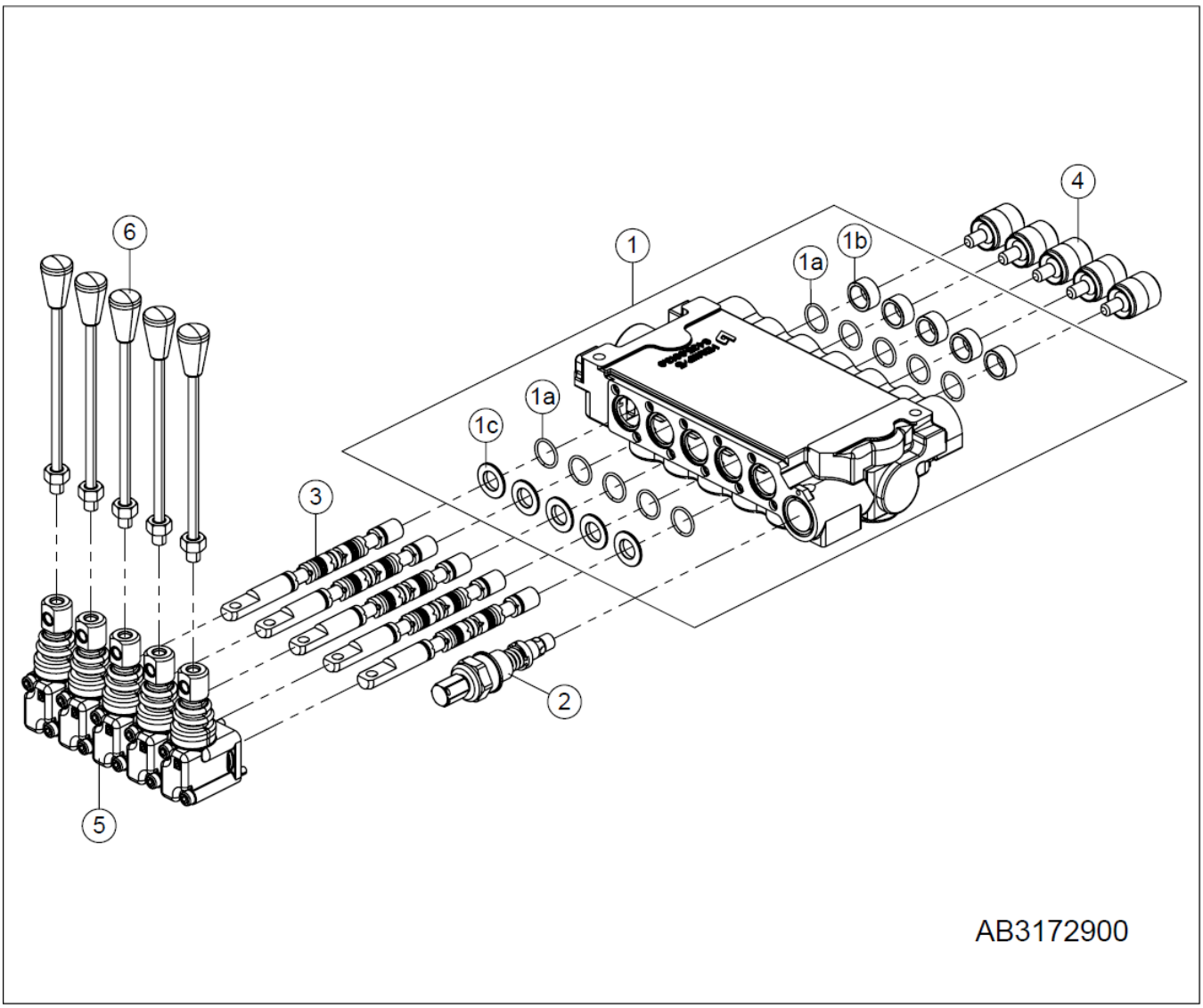
10.5 – Tunnel Cleanout & Anchors Control Valve



10.5 – Tunnel Cleanout & Anchors Control Valve

Key	Part Number	Description	Qty	Comments
1	AB3171015	Body, Distributor	1	Order AB3171168 for complete assembly
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	

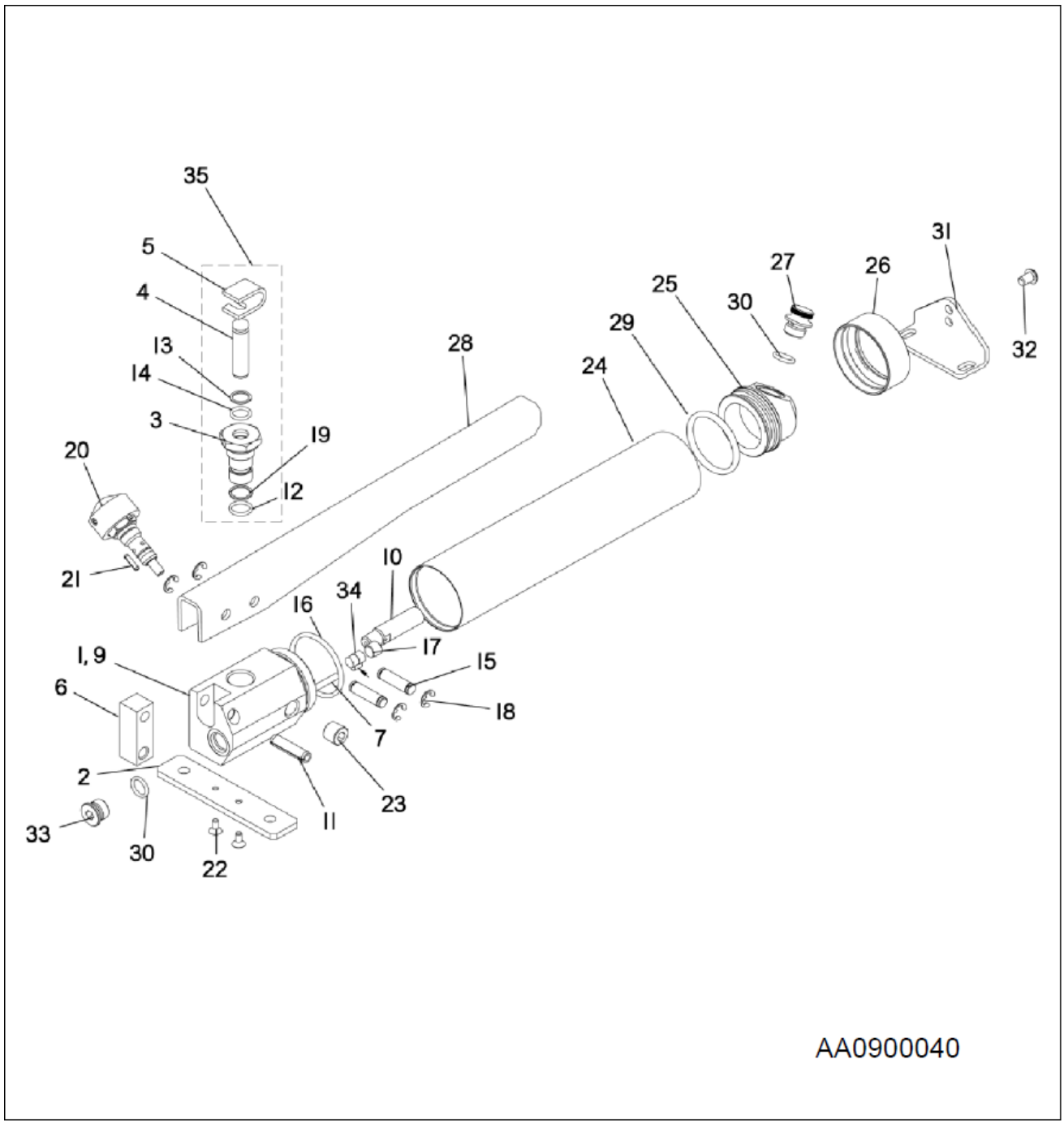
10.6 – Bag Boom & Bag Pan Control Valve



10.6 – Bag Boom & Bag Pan Control Valve

1	AB3172153	Body, Distributor	1	Order AB3172900 for complete assembly
1a	AB3171002	O-Ring	10	
1b	AB3171003	Spacer	5	
1c	AB3171004	Spacer, Open Slot	5	
2	AB3171005	Valve	1	
3	AB3171006	Spool, Type A	5	
4	AB3171008	Positioner	5	
5	AB3171010	Cap, Lever	5	
6	AB3171012	Lever, 150mm	5	

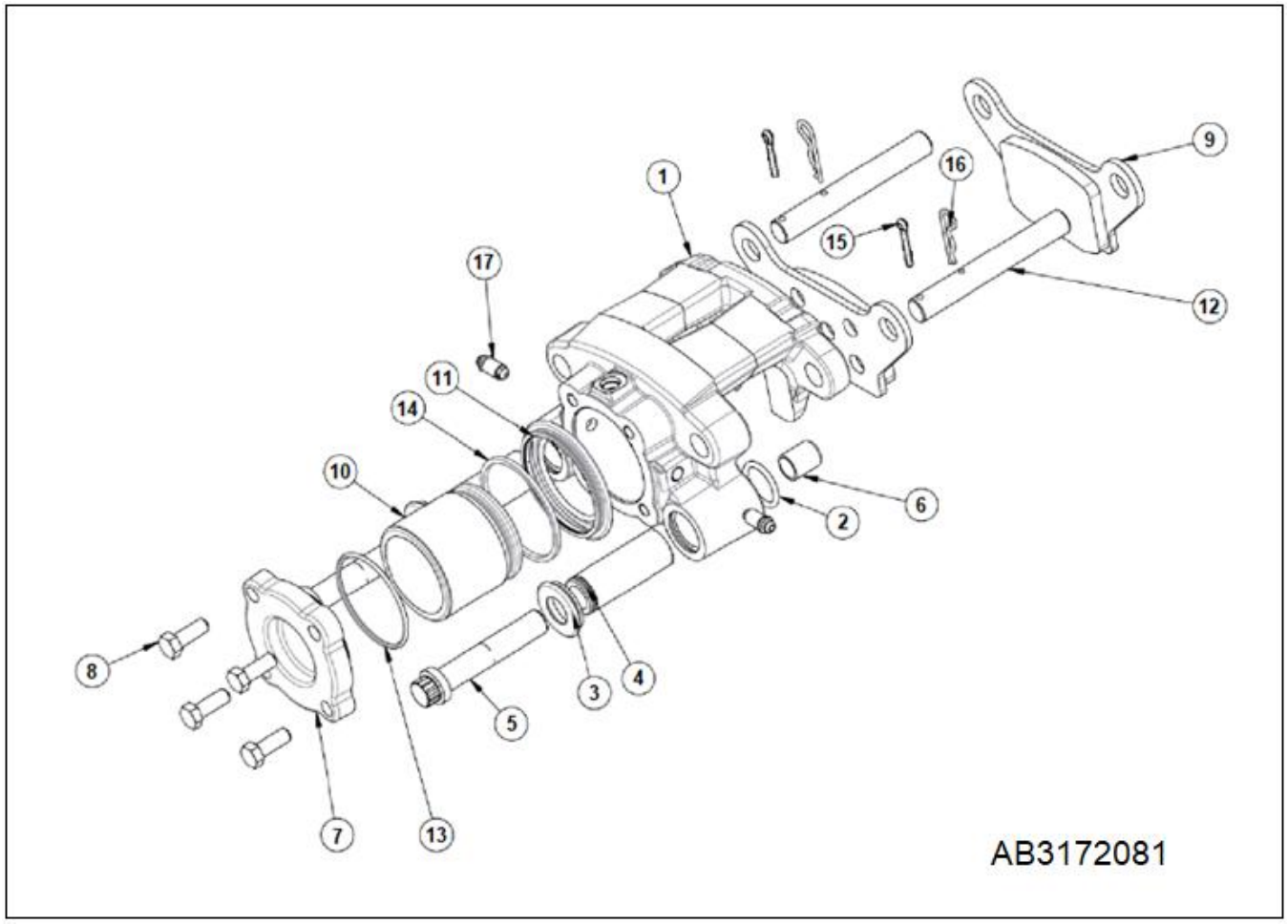
10.7 – Hand Pump



10.7 – 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 FH Socket	2	
27	AA0000654	Plug, Hand Pump Filler	1	
30	AA0000655	O-Ring, Filler Plug	1	
35	AA0901970	Assembly, Hand Pump Cartridge	1	

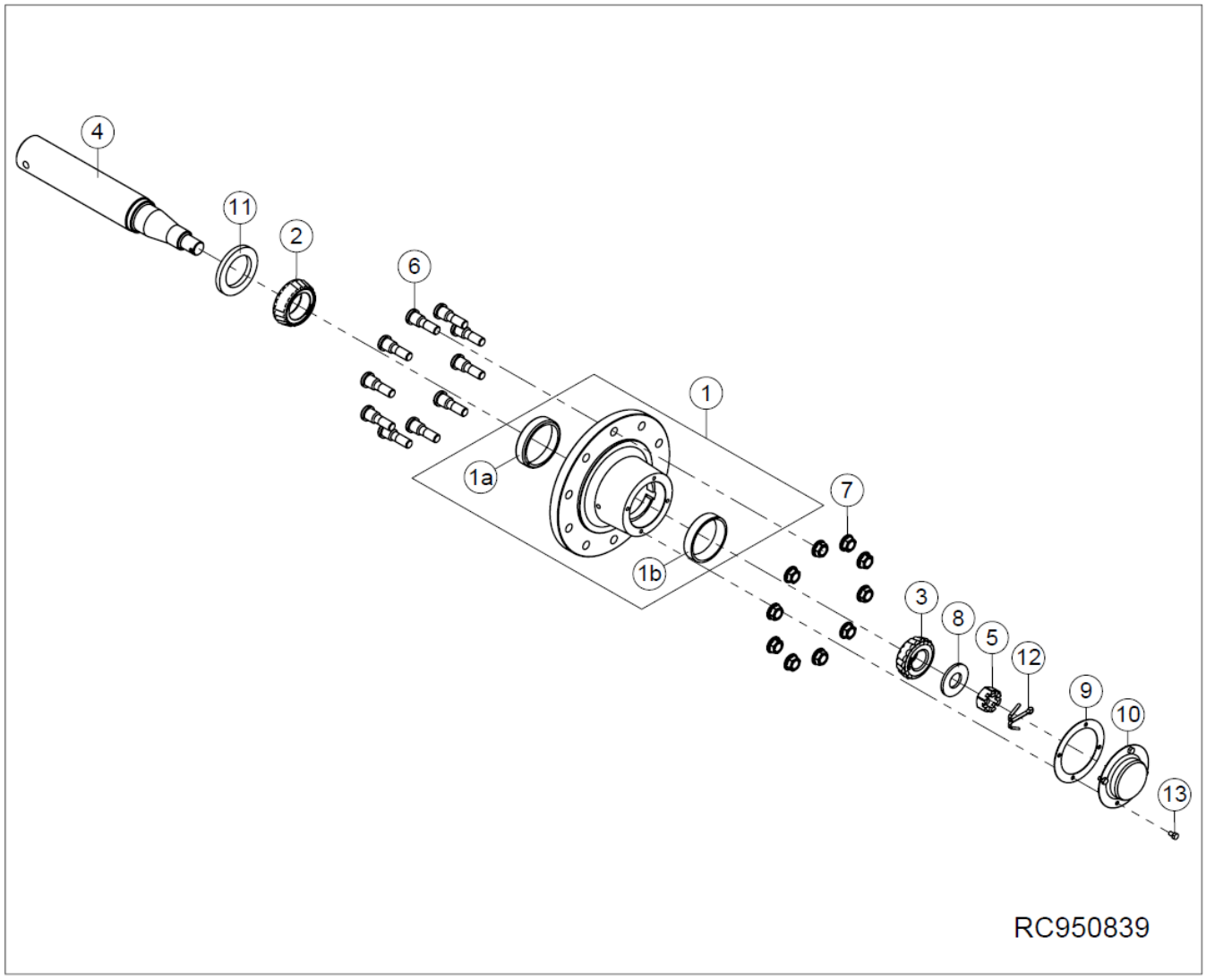
10.8 – Brake Caliper



10.8 – Brake Caliper

Key	Part Number	Description	Qty	Comments
1	AB3172136	Housing, Machined	1	
2	AB3172137	O-Ring, I-633	2	
3	AB3172138	Boot, Dust	2	
4	AB3172139	Bushing, Slide	2	
5	AB3172140	Screw, 12 Point Flange	2	
6	AB3172141	Cap	2	
7	AB3172142	Cover, Machined	1	
8	AB3172143	Screw, 3/8-16 x 1	4	
9	AB3172144	Assembly, Pad and Holder	2	
10	AB3172145	Piston, I-663 1/2" Disc	1	
11	AB3172146	Boot, Brake Caliper Disc	1	
12	AB3172147	Pin, Pad	2	
13	AB3172148	O-Ring	1	
14	AB3172149	Seal, Piston	1	
15	AB3172150	Pin, Cotter	2	
16	AB3172151	Clip, Hair Pin	2	
17	AB3172152	Screw, 3/8-24 Bleeder	2	

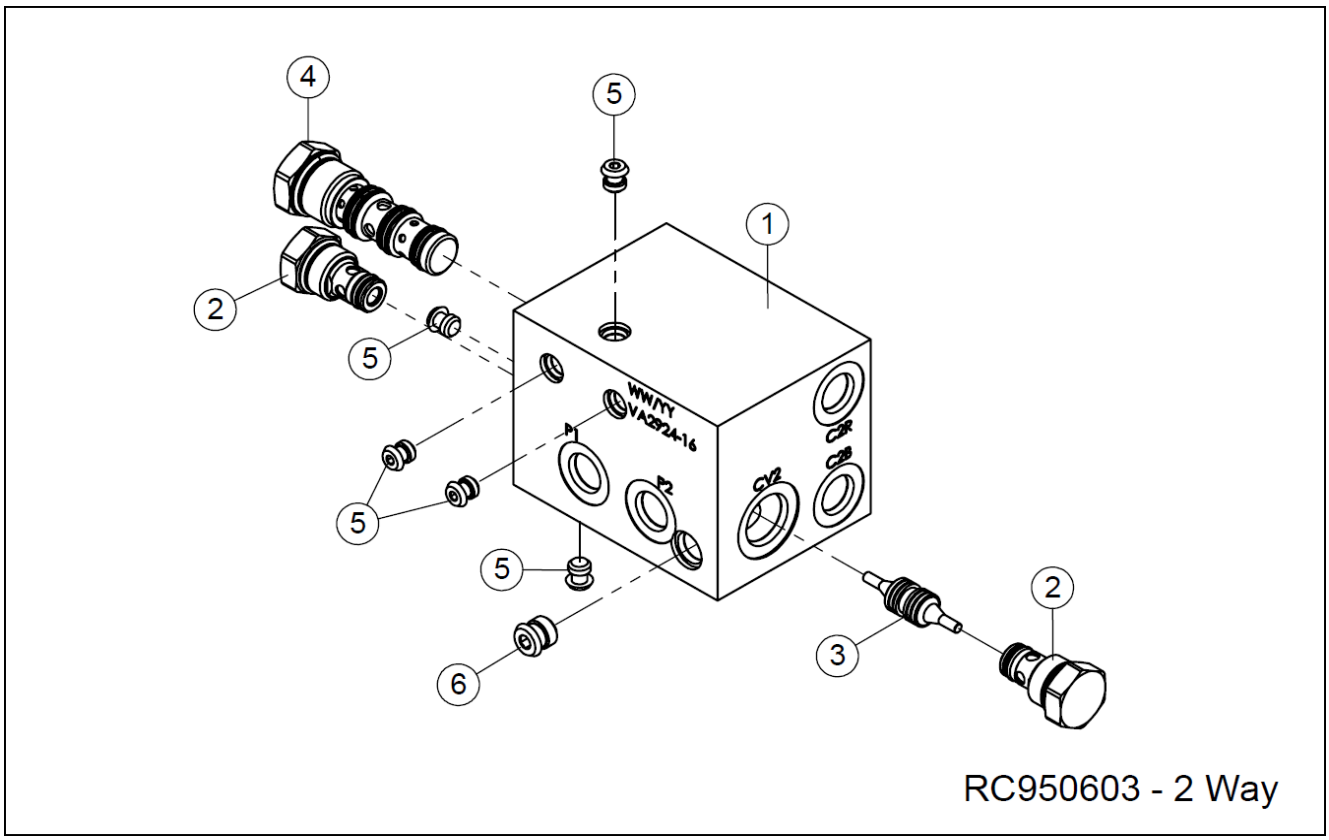
10.9 – Spindle



10.9 – Spindle

Key	Part Number	Description	Qty	Comments
1	RC950904	Assembly, Painted Hub with Cups and Grease Fitting	1	
1a	RC950905	Cup, Inner	1	
1b	RC950906	Cup, Outer	1	
2	RC950907	Bearing, Inner Cone	1	
3	RC950908	Bearing, Outer Cone	1	
4	RC950842	Spindle, 12,000 lbs	1	
5	RC950909	Nut, Spindle	1	
6	RC950910	Stud	10	
7	RC950911	Nut, Flange	10	
8	RC950912	Washer, Spindle	1	
9	RC950913	Gasket, Hub Cap	1	
10	RC950914	Cap, Hub	1	
11	RC950915	Seal	1	
12	RC950916	Pin, Cotter	1	
13	RC901435	Bolt, 5/16-18 x 1/2 Gr 5 CZ Hex	4	

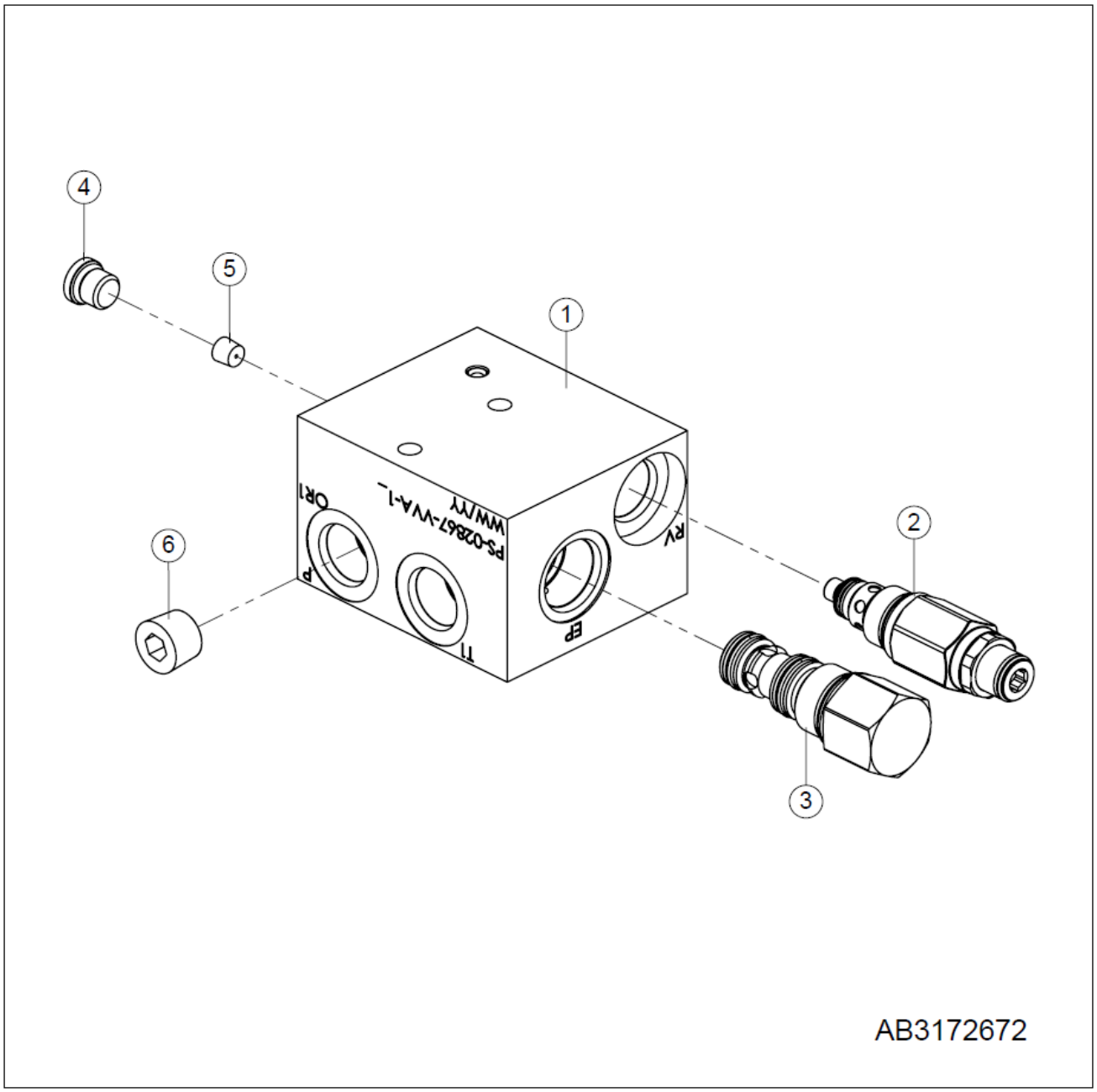
10.10 – 2-Way Flow Divider



10.10 – 2-Way Flow Divider

Key	Part Number	Description	Qty	Comments
1	RC950602	Housing, #06 ORB x 2 Flow Divider	1	
2	RC950147	Valve, #08 25 PSI Check	2	
	RC950169	Kit, #08 2 Way, Buna N Seal	1	Seal Kit
3	RC950604	Piston, #08 Pilot	1	
4	RC950605	Valve, #10 50:50, 4 GPM Input, Flow Divider	1	
	RC950168	Kit, #10 4 Way, Buna N Seal	1	Seal Kit
5	RC950359	Stop, #2 Cavity Plug	5	
6	RC950362	Stop, #4 Cavity Plug	1	

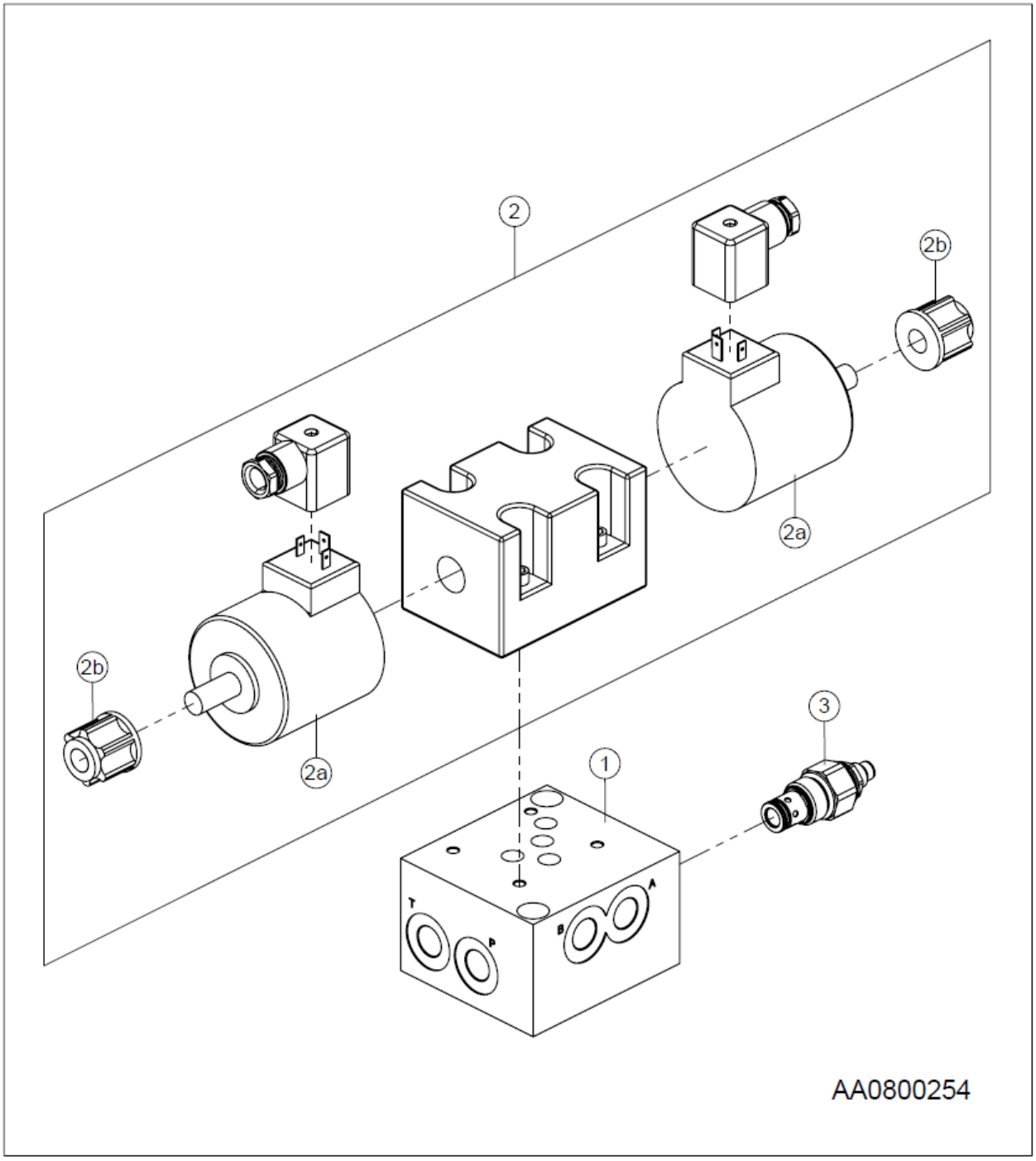
10.11 – Flow Control Manifold



10.11 – Flow Control Manifold

Key	Part Number	Description	Qty	Comments
1	AB3172665	Block, Flow Control	1	
2	RC950784	Valve, #08 Relief Direct-Acting 1900 PSI	1	
	RC950785	Kit, #08 2 Way Seal	1	Seal Kit
3	RC950786	Element, #10 Piloted Spool, 40 psi Logic	1	
	RC950787	Kit, #10 3 Way Seal	1	Seal Kit
4	RC700619	Plug, -04 MORB Socket Head	1	
5	RC950788	Orifice, 0.040" x 063 Port	1	
6	RC950789	Orifice, 0.280" x 375 Port	1	

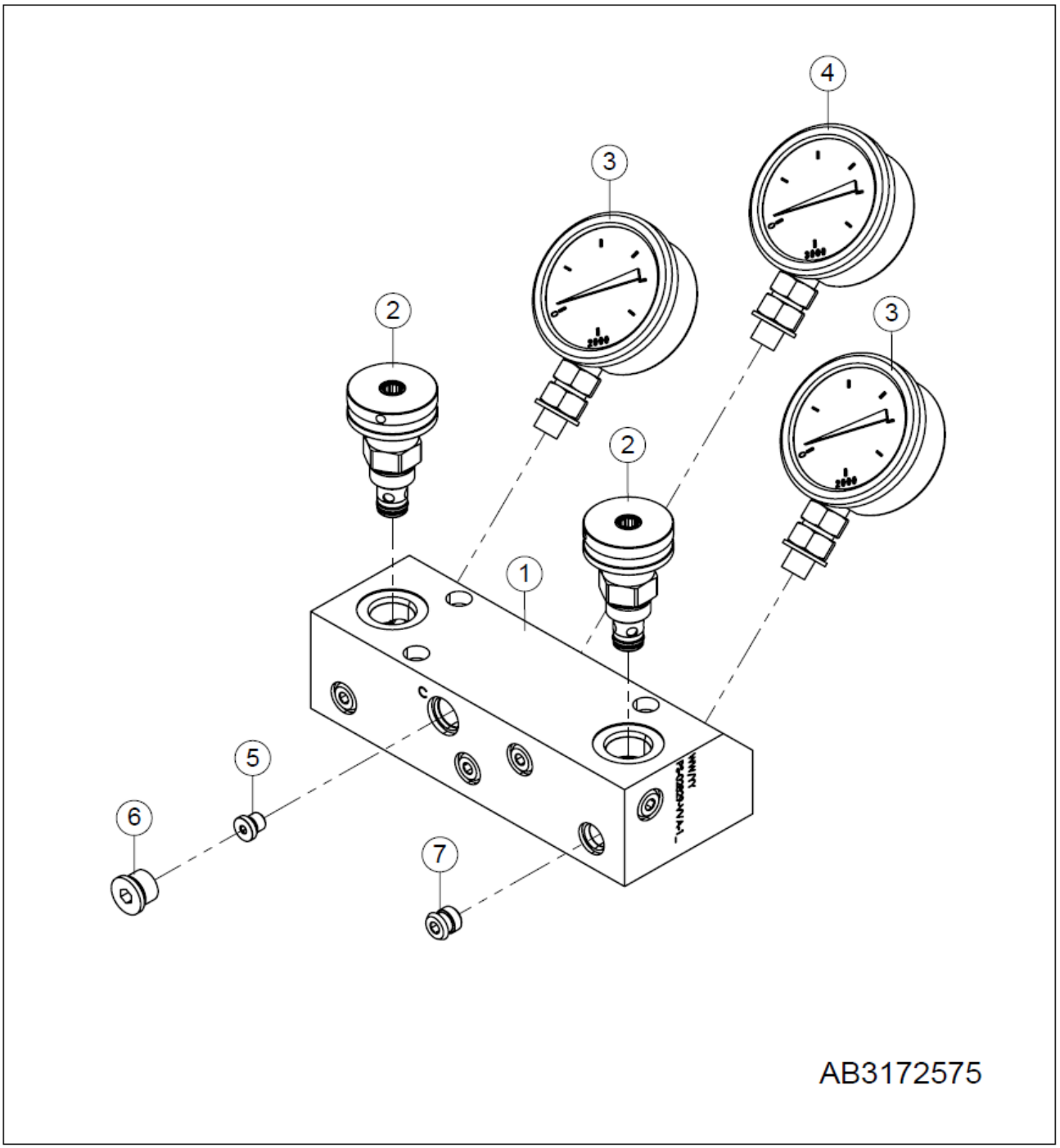
10.12 – Beater Valve



10.12 – Beater Valve

Key	Part Number	Description	Qty	Comments
1	AA3160561	Subplate	1	
2	AA3160560	Valve, Solenoid Directional	1	
2a	AA0801286	Coil, Beater Valve	2	
	AA0801288	Kit, Beater Valve Seal	1	Seal Kit
2b	AA0801287	Nut, Beater Valve Coil	2	
3	AA0801284	Valve, Beater Relief	1	
	AA0801285	Kit, Beater Relief Valve Seal	1	Seal Kit

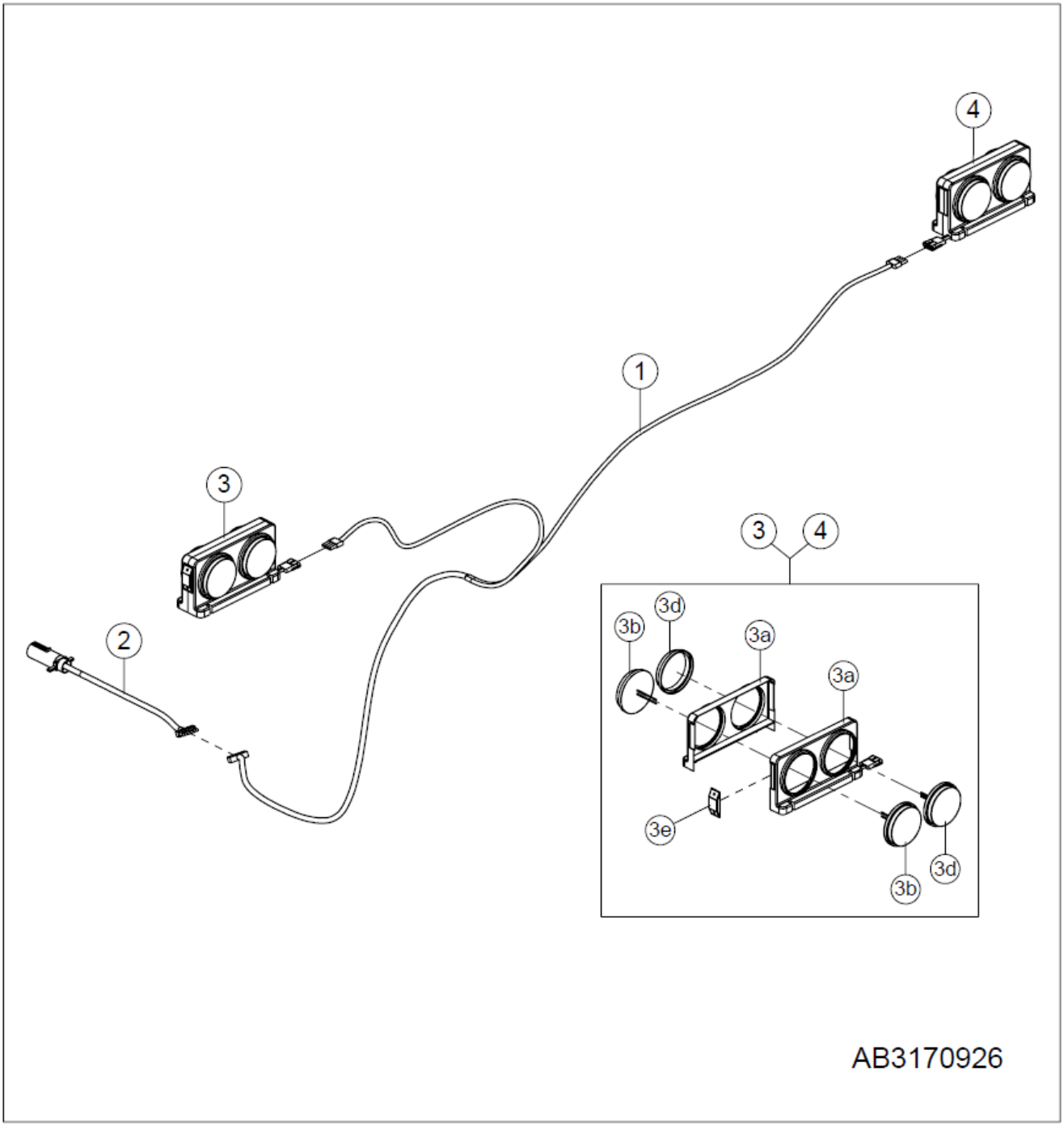
10.13 – Gauge Station Assembly



10.13 – Gauge Station Assembly

Key	Part Number	Description	Qty	Comments
1	AB3172576	Block, Brake Hand Pump Gauge Station	1	
2	RC950781	Valve, #8 Needle	2	
	RC950164	Kit, #08 2 Position, Buna N Seal	1	Seal Kit
3	RC703184	Gauge, 2000 PSI 2-1/2" Stem Mount Pressure	2	
4	RC703185	Gauge, 3000 PSI 2-1/2" Stem Mount Pressure	1	
5	RC703183	Plug, -02 MORB Socket Head	1	
6	RC700620	Plug, -06 MORB Socket Head	1	
7	RC950362	Stop, #4 Cavity Plug	6	

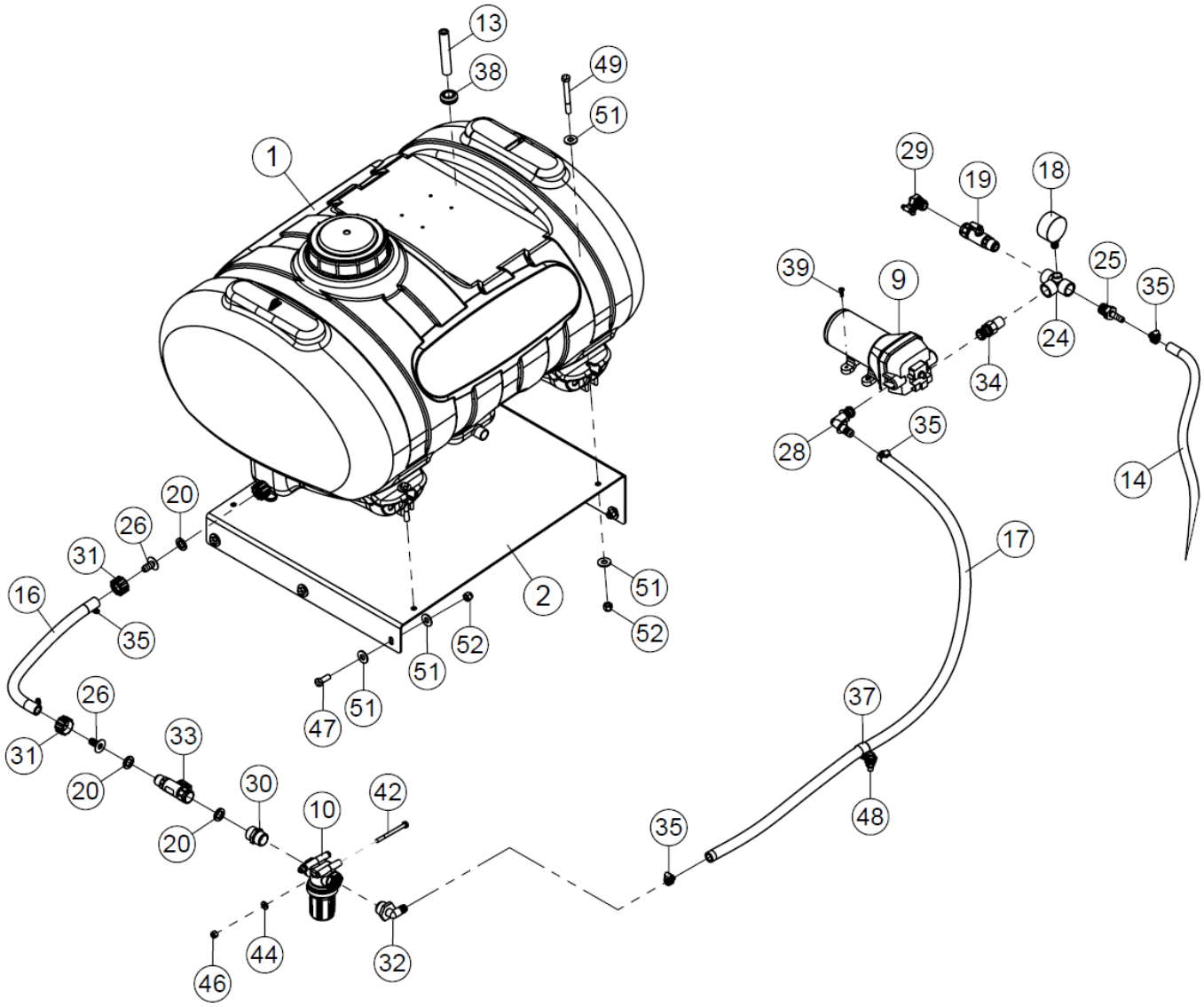
10.14 – Transport Lights & Harness



10.14 – Transport Lights & Harness

Key	Part Number	Description	Qty	Comments
1	AB3170925	Harness, Light	1	
2	AA0900460	Harness, 6000 Series Light	1	
3	RC750591	Indicator, Left Stop Turn Tail LED Warning	1	
3a	RC750596	Frame, Double Light Half	2	
3b	RC750593	Light, Round Amber LED	2	
3c	RC750594	Light, Round Red LED	1	
3d	RC750595	Blank, Lens Filler	1	
3e	RC750597	Light, Amber Clearance	1	
4	RC750592	Indicator, Right Stop Turn Tail LED Warning	1	

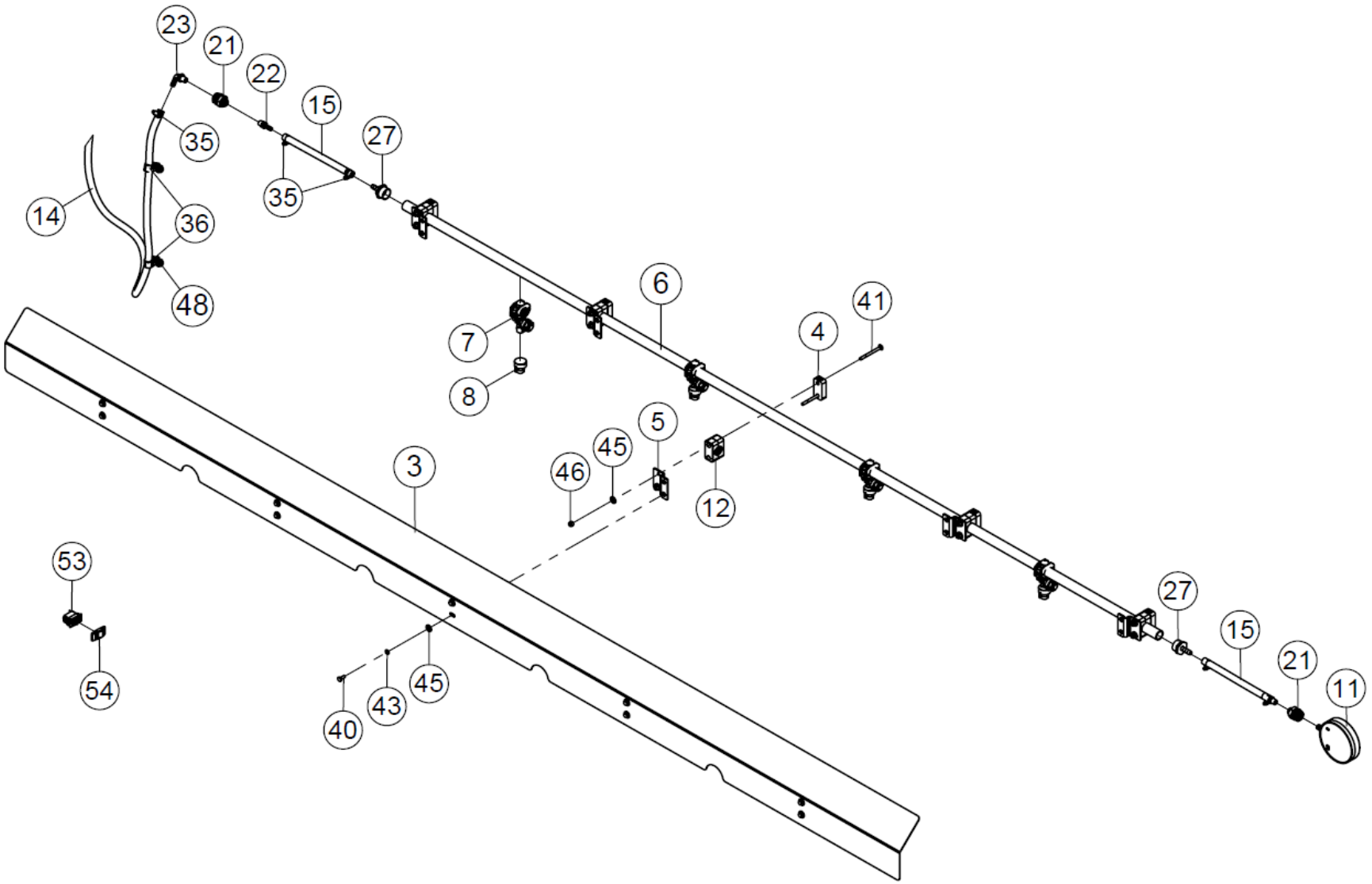
11.1 – Inoculator



11.1 – Inoculator

Key	Part Number	Description	Qty	Comments
1	AB3173107	Tank, 40 Gallon Applicator	1	
2	AB3173318	Platform, Angled Tank Mount	1	
3	AB3173300	Cover, Spray Bar	1	
4	AB3173296	Spacer, Clamp	5	
5	AA0901077	Plate, Cover Offset	5	
6	AA0901079	Pipe, Inoculant Spray Boom	1	
7	AA0708918	Body, Nozzle	4	
8	RC703231	Tip, 0.15-0.31 GPM Spray	4	
9	RC750638	Pump, 12VDC 2.4 GPM Diaphragm	1	
10	RC703236	Strainer, Side Mount 3/4" FNPT 50 Mesh Bowl	1	
11	RC703235	Gauge, 60 PSI 4-1/2" 1/4 NPT Pressure	1	
12	RC703143	Clamp, Single Line 1.06" ID	5	
13	AB3173321	Hose, 3/8" ID 4" C.L. Water	1	
14	AB3173322	Hose, 3/8" ID TBD" C.L. Water	1	
15	AB3173323	Hose, 3/8" ID TBD" C.L. Water	2	
16	AB3173319	Hose, 1/2" ID TBD" C.L. Water	1	
17	AB3173320	Hose, 1/2" ID TBD" C.L. Water	1	
18	RC703218	Gauge, 0-60 PSI 1/4 NPT Pressure	1	
19	RC703239	Valve, 1/2 MNPT x 1/2 FNPT Plastic Ball	1	
20	RC703225	Washer, FGHT Connection	3	
21	RC702942	Bulkhead, 1/4" NPTF	2	
22	RC703233	Barb, 1/4 MPT x 3/8 Hose Plastic Straight Hose	2	
23	RC703234	Barb, 1/4 MPT x 3/8 90° Plastic Hose	1	
24	RC703245	Tee, 1/4 FPT Gauge Port x 1/2 FPT Plastic	1	
25	RC703240	Barb, 1/2 MPT x 3/8 Hose Plastic Straight Hose	1	
26	RC703242	Barb, 1/2 Flat Seat Swivel Plastic Hose	2	
27	RC703232	Barb, 3/4 FPT x 3/8 Hose Plastic Straight Hose	2	
28	RC703219	Barb, 3/4" Quick Coupler x 1/2" 90° Plastic Hose	1	
29	RC703241	Barb, 1/2 MPT x 3/8 90° Plastic Hose	1	
30	RC703237	Adapter, 3/4 MGHT x 3/4 MPT Plastic	1	

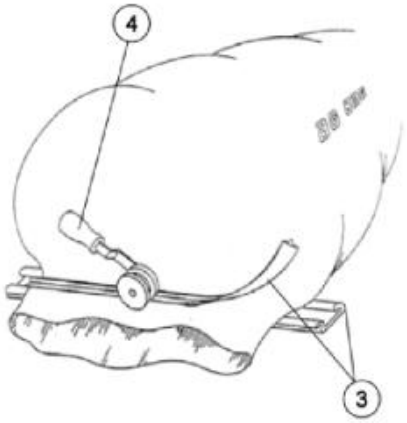
11.1 – Inoculator – Continued

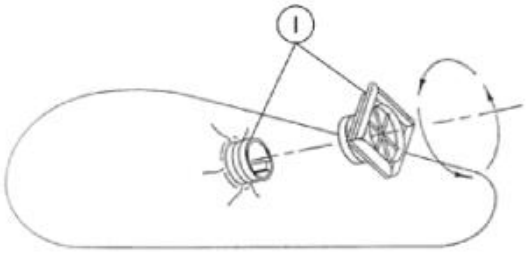


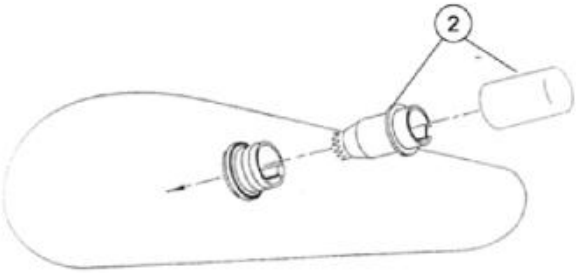
11.1 – Inoculator – Continued

Key	Part Number	Description	Qty	Comments
31	RC703243	Nut, 3/4 FGHT Flat Seat Plastic Swivel	2	
32	RC703221	Barb, 3/4" MNPT x 1/2" 90° Plastic Hose	1	
33	RC703238	Valve, 3/4 MGHT x 3/4 FGHT Plastic Ball	1	
34	RC703244	Adapter, 3/4 Quick Coupler x 1/2 MPT Plastic	1	
35	RC902468	Clamp, 5/16 - 7/8 SS Worm Drive	11	
36	RC902616	P-Clamp, 5/8 Cushion	3	
37	RC902970	P-Clamp, 3/4 Cushion	1	
38	RC903075	Grommet, 11/16 I.D. Push-In	1	
39	RC902738	Screw, #10-24 x 5/8 CZ Ph Pan Hd	4	
40	RC900059	Bolt, 1/4-20 x 5/8 Gr 5 YZ Hex	10	
41	RC903073	Bolt, 1/4-20 x 3 CZ Gr 5 Carriage	10	
42	RC900050	Bolt, 1/4-20 x 3 Gr 5 YZ Hex	2	
43	RC900724	Washer, 1/4 YZ Lock	10	
44	RC902696	Washer, 1/4 SAE YZ Hard Flat	2	
45	RC902697	Washer, 1/4 USS YZ Hard Flat	20	
46	RC900575	Nut, 1/4-20 YZ Nylock	12	
47	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	6	
48	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	4	
49	RC900107	Bolt, 3/8-16 x 3-1/4 Gr 5 YZ Hex	4	
50	RC900677	Washer, 3/8 SAE YZ Hard Flat	8	
51	RC902699	Washer, 3/8 USS YZ Hard Flat	20	
52	RC900583	Nut, 3/8-16 YZ Nylock	14	
53	RC750278	Switch, 12V/20A SPST One Light On/Off Rocker	1	
54	RC750663	Switch Actuator, Black with Thin Red Lens	1	

11.2 – Miscellaneous Items



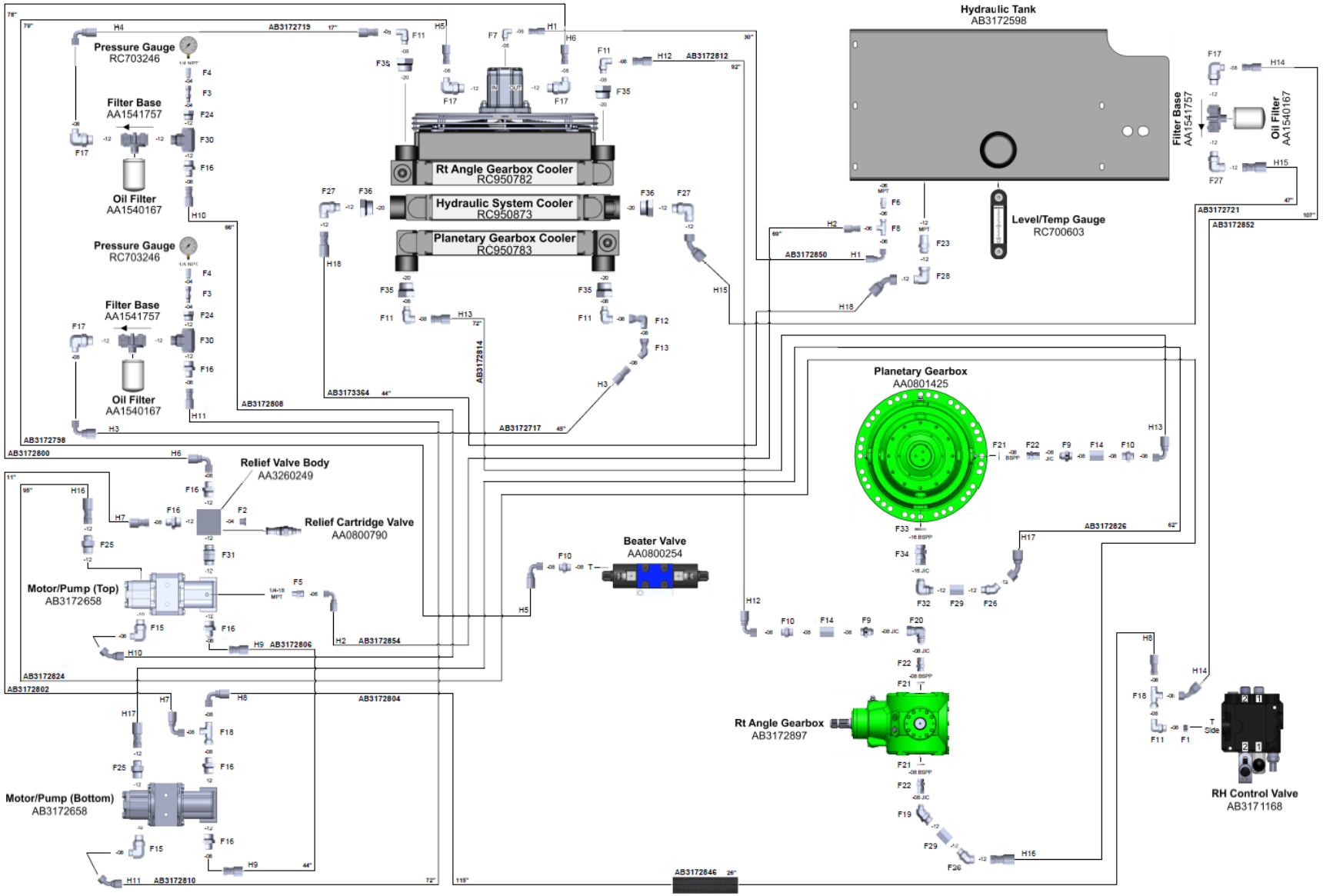




11.2 – Miscellaneous Items

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	

12.1 – Cooling System Schematic



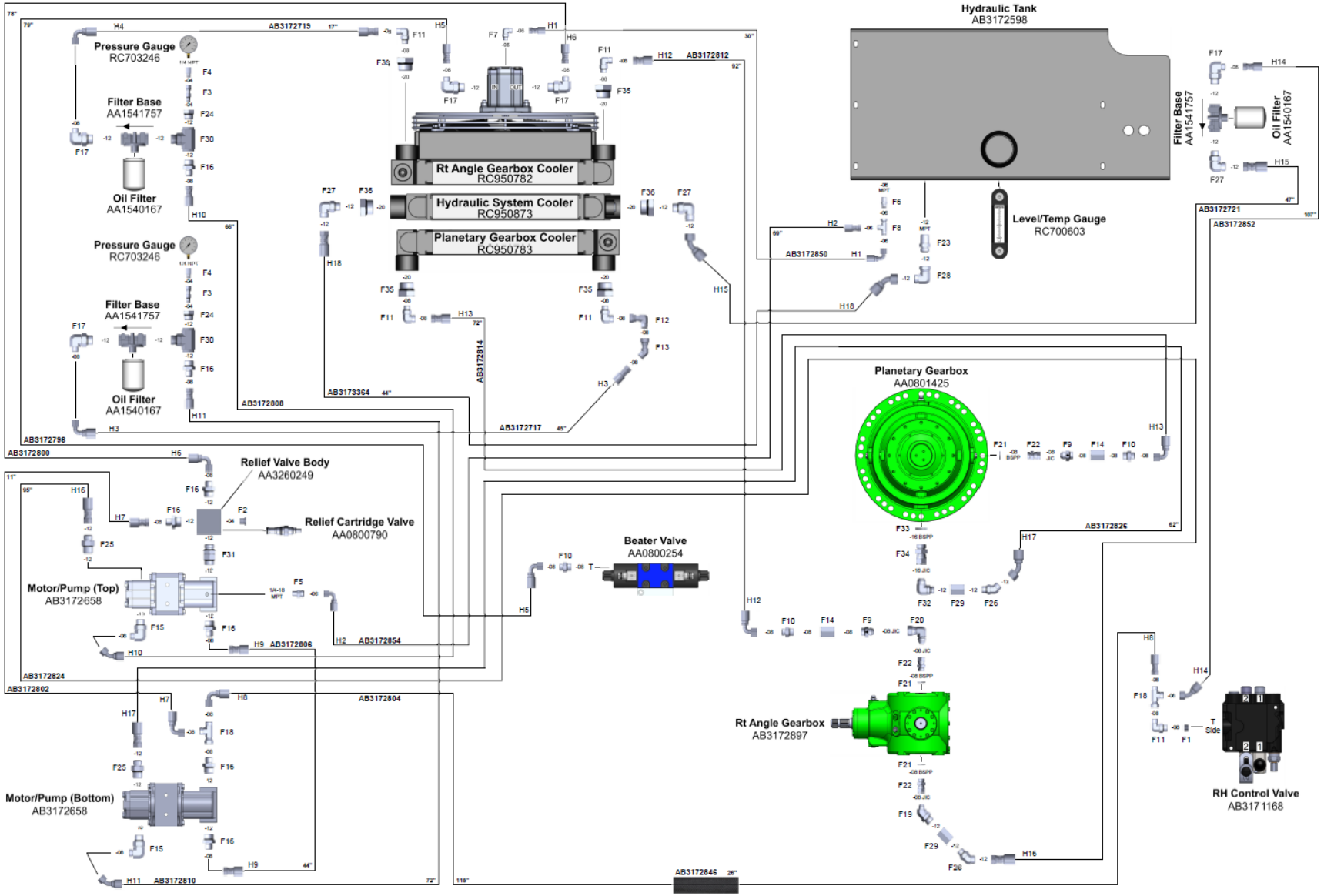
Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.1 – Cooling System Schematic

Hydraulic Fittings

Fitting#	Part Number	Description	Qty	Comments
F1	RC950728	Plug, Power Beyond	1	
F2	RC701308	Plug, -04 External Hex Pipe	1	
F3	RC700187	Adapter, -04 FORFS x -04 MORB Swivel	2	
F4	RC700942	Adapter, -04 MORFS 1/4 NPT Straight	2	
F5	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	1	
F6	RC700979	Adapter, -06 MORFS, -06 MPT Straight	1	
F7	RC700118	Elbow, -06 MORFS -06 MORB 90°	1	
F8	RC700156	Tee, -06 ORFS Run Thru	1	
F9	RC703190	Valve, -08 MORB -08 MJIC Inline Check	2	
F10	RC700083	Adapter, -08 MORFS -08 MORB Straight	3	
F11	RC700125	Elbow, -08 MORFS -08 MORB 90°	5	
F12	RC700184	Elbow, -08 MORFS -08 FORFS Swivel 90°	1	
F13	RC700196	Elbow, -08 FORFS -08 MORFS 45°	1	
F14	RC700407	Adapter, -08 FORB -08 FORB Straight	2	
F15	RC700126	Elbow, -08 MORFS -10 MORB 90°	2	
F16	RC700085	Adapter, -08 MORFS -12 MORB Straight	7	
F17	RC700127	Elbow, -08 MORFS -12 MORB 90°	5	
F18	RC700157	Tee, -08 ORFS Run Thru	2	
F19	RC701962	Elbow, -08 JIC -12 MORB 45°	1	
F20	RC702315	Elbow, -08 MJIC -08 FJIC Swivel 90°	1	
F21	RC703189	Seal, -08 BSPP Bonded	3	
F22	RC703188	Adapter, -08 MBSPP -08 FJIC Swivel Straight	3	
F23	RC700988	Adapter, -12 MORFS -12 MPT Straight	1	
F24	RC700640	Reducer, -12 MORB -04 FORB Straight	2	
F25	RC700094	Adapter, -12 MORFS -12 MORB Straight	2	
F26	RC700892	Elbow, -12 MORFS -12 MORB 45°	2	
F27	RC700133	Elbow, -12 MORFS -12 MORB 90°	3	
F28	RC700908	Elbow, -12 MORFS -12 FORFS Swivel 90°	1	
F29	RC700409	Adapter, -12 FORB -12 FORB Straight	2	
F30	RC702614	Tee, -12 MORB Branch	2	
F31	RC702620	Union, -12 MORB Swivel	1	
F32	RC701868	Elbow, -16 JIC -12 MORB 90°	1	
F33	RC703210	Seal, -16 BSPP Bonded	1	
F34	RC703209	Adapter, -16 MBSPP -16 FJIC Swivel Straight	1	
F35	RC700654	Reducer, -20 MORB -08 FORB Straight	4	
F36	RC700656	Reducer, -20 MORB -12 FORB Straight	2	

12.1 – Cooling System Schematic – Continued



Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.1 – Cooling System Schematic – Continued

Hydraulic Hoses

Hose #	Part Number	Qty	Routing
H1	AB3172850	1	Oil Cooler Fan Motor to Tank
H2	AB3172854	1	Top Motor to Tank
H3	AB3172717	1	Filter to Planetary Gearbox Oil Cooler (Front)
H4	AB3172719	1	Filter to Right Angle Gearbox Oil Cooler (Rear)
H5	AB3172798	1	Beater Valve Port T to Oil Cooler Fan Motor RH Side
H6	AB3172800	1	Oil Cooler Fan Motor RH Side to Relief Valve on Top Pump
H7	AB3172802	1	Relief Valve on Top Motor to Bottom Motor Tee
H8	AB3172804	1	Bottom Motor Tee to Hand Valve Tank Tee
H9	AB3172806	1	Top Motor to Bottom Motor
H10	AB3172808	1	Top Pump to Right Angle Gearbox Filter (Rear)
H11	AB3172810	1	Bottom Pump to Planetary Gearbox Filter (Front)
H12	AB3172812	1	Rear Oil Cooler to Right Angle Gearbox
H13	AB3172814	1	Front Oil Cooler to Planetary Gearbox
H14	AB3172852	1	Hand Valve Tank Tee to Oil Tank Filter
H15	AB3172721	1	Oil Tank Filter to Center Oil Cooler
H16	AB3172824	1	Right Angle Gearbox to Top Pump
H17	AB3172826	1	Planetary Gearbox to Bottom Pump
H18	AB3173364	1	Center Oil Cooler to Tank

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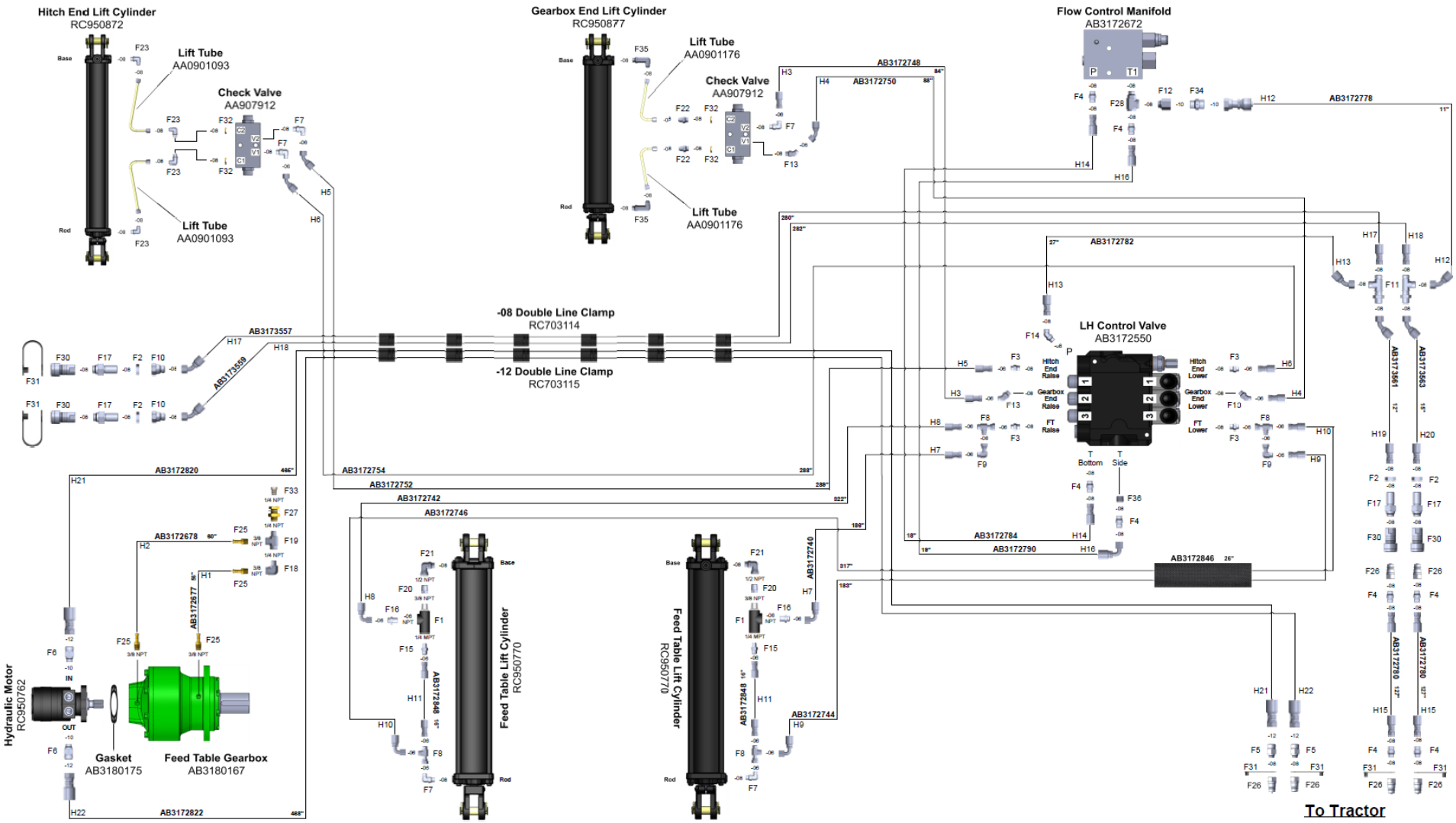
12.1 – Cooling System Schematic – Continued

Hydraulic Components

Part Number	Description	Qty	Comments
AB3172658	Assembly, Cooling Motor/Pump	2	
AA1541757	Base, Filter O-Ring	3	
AA3260249	Body, Relief Valve	1	
RC950873	Cooler, C32 w/Bypass	1	
RC950783	Cooler, HR45 w/Bypass	1	
RC950782	Cooler, HR45 w/Fan	1	
AA1540167	Filter, Hydraulic P551553	3	
RC703246	Gauge, 0-160 PSI 1/4 NPT Pressure	2	
RC700603	Gauge, Level and Temp	1	
AB3172897	Gearbox, Right Angle	1	
AA0801425	Planetary, GB16002 16.9:1	1	
AB3172846	Sleeving, 26" C.L. 11" Ballistic Nylon	1	
AB3172598	Tank, T9096 Hydraulic	1	
AB3171168	Valve, 2-Bank Hand Control	1	
AA0800254	Valve, Hydraulic Beater	1	
AA0800790	Valve, Relief Cartridge	1	

12.2 – Feed Table & Machine Lift Schematic



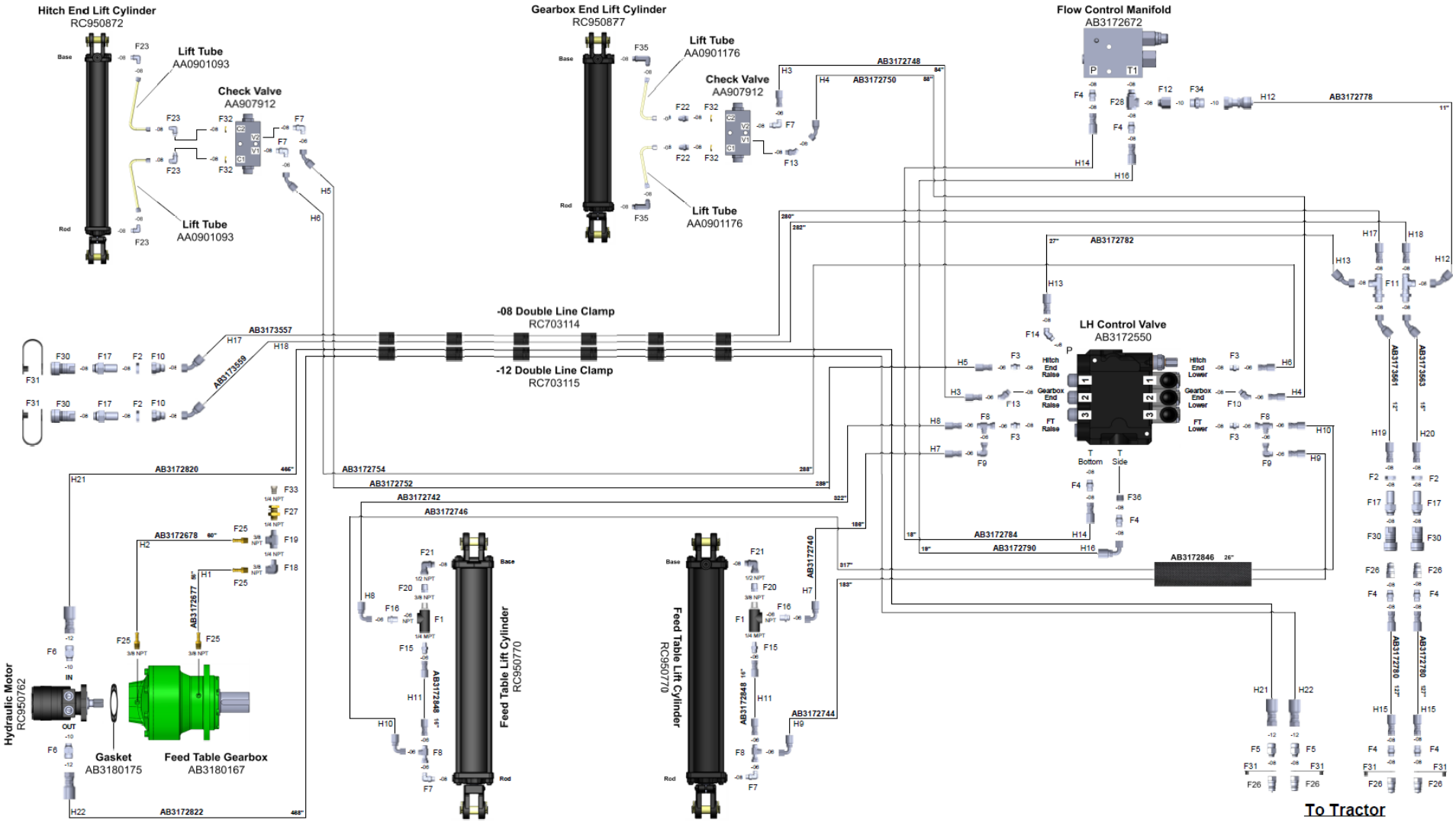
Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.2 – Feed Table & Machine Lift Schematic

Hydraulic Fittings

Fitting#	Part Number	Description	Qty	Comments
F1	AA1700863	Valve, Pilot Check	2	
F2	RC700012	Nut, 13/16-16 Bulkhead Lock	4	
F3	RC700078	Adapter, -06 MORFS -08 MORB Straight	4	
F4	RC700083	Adapter, -08 MORFS -08 MORB Straight	8	
F5	RC700092	Adapter, -12 MORFS -08 MORB Straight	2	
F6	RC700093	Adapter, -12 MORFS -10 MORB Straight	2	
F7	RC700119	Elbow, -06 MORFS -08 MORB 90°	5	
F8	RC700156	Tee, -06 ORFS Run Thru	4	
F9	RC700181	Elbow, -06 MORFS -06 FORFS Swivel 90°	2	
F10	RC700230	Reducer, -08 FORFS, -06 MORFS	2	
F11	RC700295	Tee, -08 MORFS Bulkhead Run Thru	2	
F12	RC700634	Reducer, -08 MORB -10 FORB Straight	1	
F13	RC700881	Elbow, -06 MORFS -08 MORB 45°	3	
F14	RC700884	Elbow, -08 MORFS -08 MORB 45°	1	
F15	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	2	
F16	RC700979	Adapter, -06 MORFS, -06 MPT Straight	2	
F17	RC701018	Adapter, -08 MORFS -08 MORB Straight Blkhd	4	
F18	RC701175	Elbow, 1/4 MPT 1/4 FPT 90°	1	
F19	RC701240	Tee, 1/4-18 NPT MFF	1	
F20	RC701272	Bushing, 1/2 MPT 3/8 FPT Reducer	2	
F21	RC701516	Elbow, -08 MORB 1/2 FPT Swivel 90°	2	
F22	RC701784	Adapter, -08 MJIC -08 MORB Straight	2	
F23	RC701850	Elbow, -08 JIC -08 MORB 90°	4	
F24	RC701942	Fitting, 3/8" Tube 1/4-18 NPT Hose Barb	2	
F25	RC701943	Fitting, 3/8" Tube x 3/8 NPT Brass Hose Barb	2	
F26	RC702936	Quick Coupler, 1/2" Body -08 FORB Poppet	6	
F27	RC702942	Bulkhead, 1/4" NPTF	1	
F28	RC703071	Tee, -08 MORB Run	1	
F29	RC703133	Plug, 1/2" Body Dust	2	
F30	RC703134	Quick Coupler, 1/2" Body -08 FORB Poppet Female	4	
F31	RC703135	Cap, 1/2" Body Dust	4	
F32	RC703136	Orifice, -08 SAE One-Way .059" Plate	4	
F33	RC703165	Breather, 1/4" Male NPT	1	
F34	RC703173	Valve, -10 MORB -10 MORFS Inline Check	1	
F35	RC703179	Elbow, -08 JIC -08 MORB 90° Extra Long	2	
F36	RC950728	Plug, Power Beyond	1	

12.2 – Feed Table & Machine Lift Schematic – Continued



*Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.2 – Feed Table & Machine Lift Schematic – Continued

Hydraulic Hoses

Hose #	Part Number	Qty	Routing
H1	AB3172677	1	Feed Table Planetary Table Side to Breather
H2	AB3172678	1	Feed Table Planetary Motor Side to Breather
H3	AB3172748	1	Hand Valve to LH Machine Lift Cylinder Check Valve Port V2
H4	AB3172750	1	Hand Valve to LH Machine Lift Cylinder Check Valve Port V1
H5	AB3172752	1	Hand Valve to RH Machine Lift Cylinder Check Valve Port V2
H6	AB3172754	1	Hand Valve to RH Machine Lift Cylinder Check Valve Port V1
H8	AB3172740	1	Hand Valve to LH Feed Table Lift Cylinder Check Valve
H9	AB3172742	1	Hand Valve to RH Feed Table Lift Cylinder Check Valve
H10	AB3172744	1	Hand Valve to LH Feed Table Lift Cylinder Rod End
H11	AB3172746	1	Hand Valve to RH Feed Table Lift Cylinder Rod End
H12	AB3172848	2	Feed Table Lift Cylinder Jumper Hose
H13	AB3172778	1	Quick Coupler to Flow Control Manifold Tee (Port T1)
H14	AB3172782	1	Quick Coupler to Hand Valve Port P
H15	AB3172784	1	Hand Valve Port T Bottom to Flow Control Manfold Port P
H16	AB3172780	2	Tractor SCV to Quick Coupler
H17	AB3172790	1	Hand Valve Port T Side to Flow Control Manifold Tee (Port T1)
H18	AB3173557	1	Pressure Bulkhead Tee to Top Quick Connect Hitch End
H19	AB3173559	1	Return Bulkhead Tee to Bottom Quick Connect Hitch End
H20	AB3173561	1	LH Quick Connect Gearbox End to RH Hand Valve Port P
H21	AB3173563	1	RH Quick Connect Gearbox End to Flow Control Manifold Tee Port T1
H22	AB3172820	1	Tractor SCV to Feed Table Motor IN
H23	AB3172822	1	Tractor SCV to Feed Table Motor OUT

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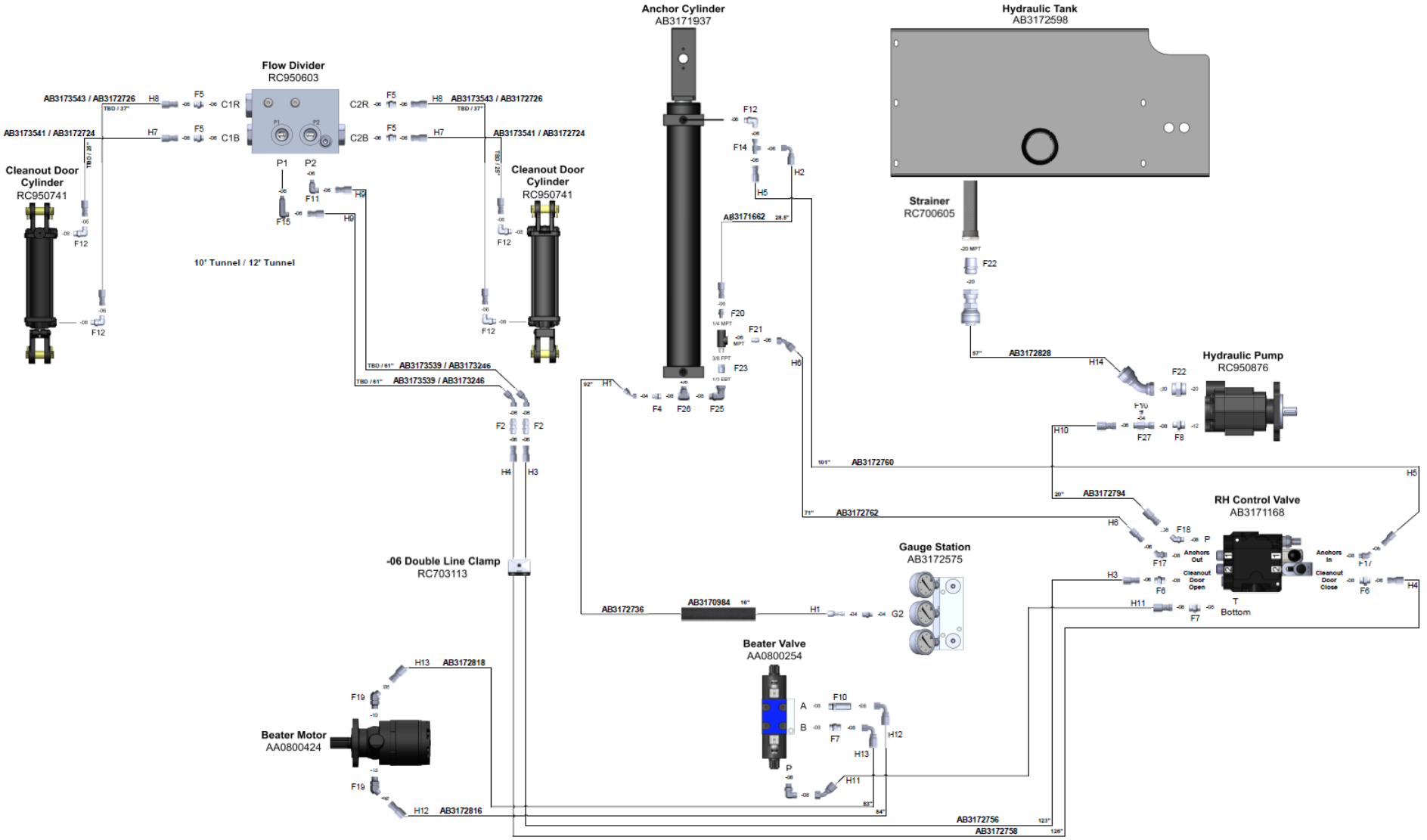
12.2 – Feed Table & Machine Lift Schematic – Continued

Hydraulic Components

Part Number	Description	Qty	Comments
AB3172672	Assembly, Flow Control Manifold	1	
RC703114	Clamp, Double Line .84" ID	6	
RC703115	Clamp, Double Line 1.18" ID	6	
RC950872	Cylinder, 3" x 24" Tie Rod	1	
RC950877	Cylinder, 3-1/2" x 18" Tie Rod	1	
RC950770	Cylinder, 4" x 24" Tie Rod	2	
AB3180175	Gasket, Feed Table Planetary Gearbox	1	
AB3180167	Gearbox, Planetary Drive	1	
RC950762	Motor, Hydraulic	1	
AB3172846	Sleeving, 26" C.L. 11" Ballistic Nylon	1	
AB3172845	Sleeving, 60" C.L. 8" Ballistic Nylon	1	
AA0901176	Tube, 1/2" Lift PO CheckHydraulic	2	
AA0901093	Tube, Hyd, 1/2", Lift PO Check	2	
AB3172550	Valve, 3-Spool Manual Control	1	
AA907912	Valve, Double (-08) PO Check	2	

12.3 – Anchors, Beaters & Tunnel Cleanout Schematic



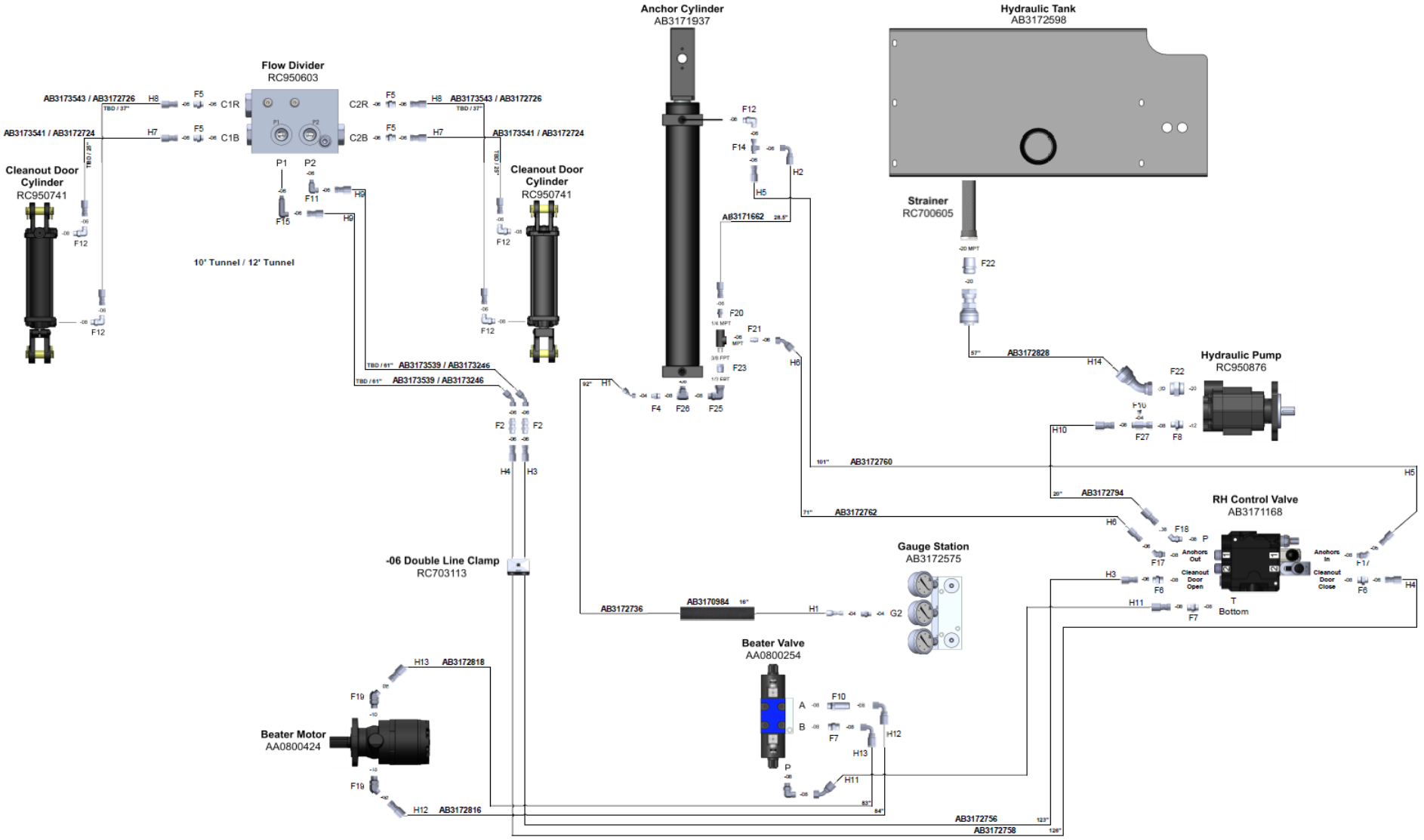
Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.3 – Anchors, Beaters & Tunnel Cleanout Schematic

Hydraulic Fittings

Fitting#	Part Number	Description	Qty	Comments
F1	AA1700863	Valve, Pilot Check	1	
F2	RC700019	Union, -06 MORFS Straight Bulkhead	2	
F3	RC700073	Adapter, -04 MORFS -04 MORB Straight	1	
F4	RC700075	Adapter, -04 MORFS -08 MORB Straight	1	
F5	RC700077	Adapter, -06 MORFS -06 MORB Straight	4	
F6	RC700078	Adapter, -06 MORFS -08 MORB Straight	2	
F7	RC700083	Adapter, -08 MORFS -08 MORB Straight	2	
F8	RC700085	Adapter, -08 MORFS -12 MORB Straight	1	
F9	RC700101	Adapter, -20 MORFS -20 MORB Straight	1	
F10	RC700109	Adapter, -08 MORFS x -08 MORB Straight Long	1	
F11	RC700118	Elbow, -06 MORFS -06 MORB 90°	1	
F12	RC700119	Elbow, -06 MORFS -08 MORB 90°	5	
F13	RC700125	Elbow, -08 MORFS -08 MORB 90°	1	
F14	RC700156	Tee, -06 ORFS Run Thru	1	
F15	RC700308	Elbow, -06 MORFS -06 MORB Long 90°	1	
F16	RC700619	Plug, -04 MORB Socket Head	1	
F17	RC700881	Elbow, -06 MORFS -08 MORB 45°	2	
F18	RC700884	Elbow, -08 MORFS -08 MORB 45°	1	
F19	RC700885	Elbow, -08 MORFS -10 MORB 45°	2	
F20	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	1	
F21	RC700979	Adapter, -06 MORFS, -06 MPT Straight	1	
F22	RC700995	Adapter, -20 MORFS -20 MPT Straight	1	
F23	RC701272	Bushing, 1/2 MPT 3/8 FPT Reducer	1	
F24	RC701310	Plug, -08 External Hex Pipe	1	
F25	RC701516	Elbow, -08 MORB 1/2 FPT Swivel 90°	1	
F26	RC702612	Tee, -08 MORB Branch	1	
F27	RC703199	Tee, -08 ORFS -04 FORB Test Port	1	

12.3 – Anchors, Beaters & Tunnel Cleanout Schematic – Continued



Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.3 – Anchors, Beaters & Tunnel Cleanout Schematic – Continued

Hydraulic Fittings

Hose #	Part Number	Qty	Routing
H1	AB3172736	1	Gauge Station Port G2 to Anchor Cylinder Base Tee
H2	AB3171662	1	Anchor Cylinder Jumper Hose
H3	AB3172756	1	Hand Valve to Tunnel Bulkhead
H4	AB3172758	1	Hand Valve to Tunnel Bulkhead
H5	AB3172760	1	Hand Valve to Anchor Cylinder Rod End Tee
H6	AB3172762	1	Hand Valve to Anchor Cylinder Check Valve
H7	AB3173541	2	**10'** Tunnel - Flow Divider B Ports to Cleanout Cylinder Base End
H7	AB3172724	2	**12'** Tunnel - Flow Divider B Ports to Cleanout Cylinder Base End
H8	AB3173543	2	**10'** Tunnel - Flow Divider R Ports to Cleanout Cylinder Rod End
H8	AB3172726	2	**12'** Tunnel - Flow Divider R Ports to Cleanout Cylinder Rod End
H9	AB3173539	2	**10'** Tunnel - Bulkhead to Flow Divider Ports P1/P2
H9	AB3173246	2	**12'** Tunnel - Bulkhead to Flow Divider Ports P1/P2
H10	AB3172794	1	Pump to Hand Valve Port P
H11	AB3172796	1	Hand Valve to Beater Valve Port P
H12	AB3172816	1	Beater Valve Port A to Beater Motor Bottom Port
H13	AB3172818	1	Beater Valve Port B to Beater Motor Top Port
H14	AB3172828	1	Tank to Pump

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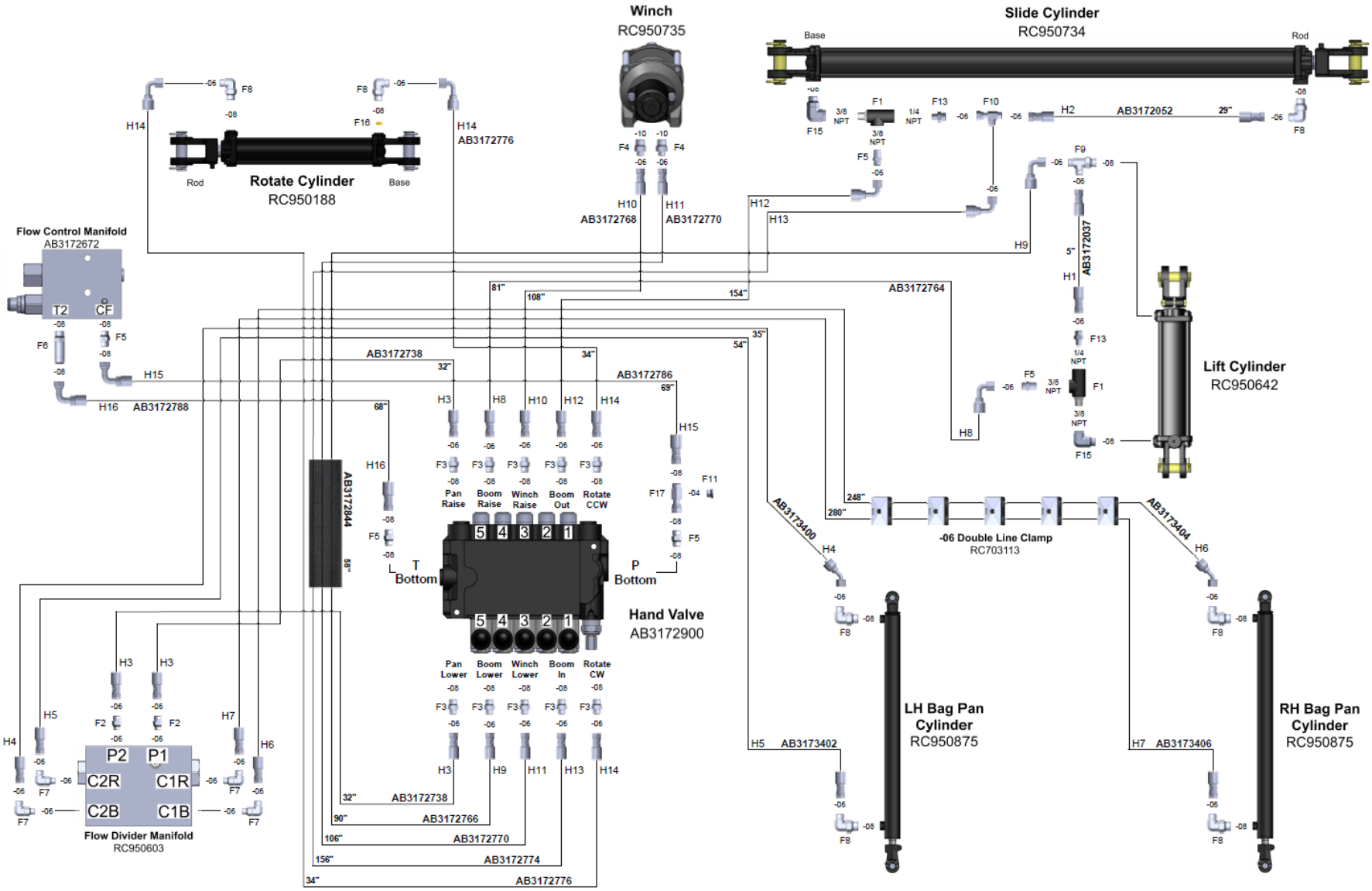
12.3 – Anchors, Beaters & Tunnel Cleanout Schematic – Continued

Hydraulic Components

Part Number	Description	Qty	Comments
RC950603	Assembly, #06 ORB x 2 Flow Divider	1	
AB3172575	Assembly, Brake Hand Pump Gauge Station	1	
RC703113	Clamp, Double Line .677" ID	1	
RC950741	Cylinder, 3" x 8" Tie Rod	2	
AB3171937	Cylinder, Dual Anchor	1	
AA0800424	Hyd Motor, 32.7 Cu In	1	
RC950876	Pump, 2100 Series Gear	1	
AB3170984	Sleeving, 16" C.L. 8" Ballistic Nylon	1	
RC700605	Strainer, In-Tank	1	
AB3172598	Tank, T9096 Hydraulic	1	
AB3171168	Valve, 2-Bank Hand Control	1	
AA0800254	Valve, Hydraulic Beater	1	

12.4 – Bag Boom & Bag Pan Schematic



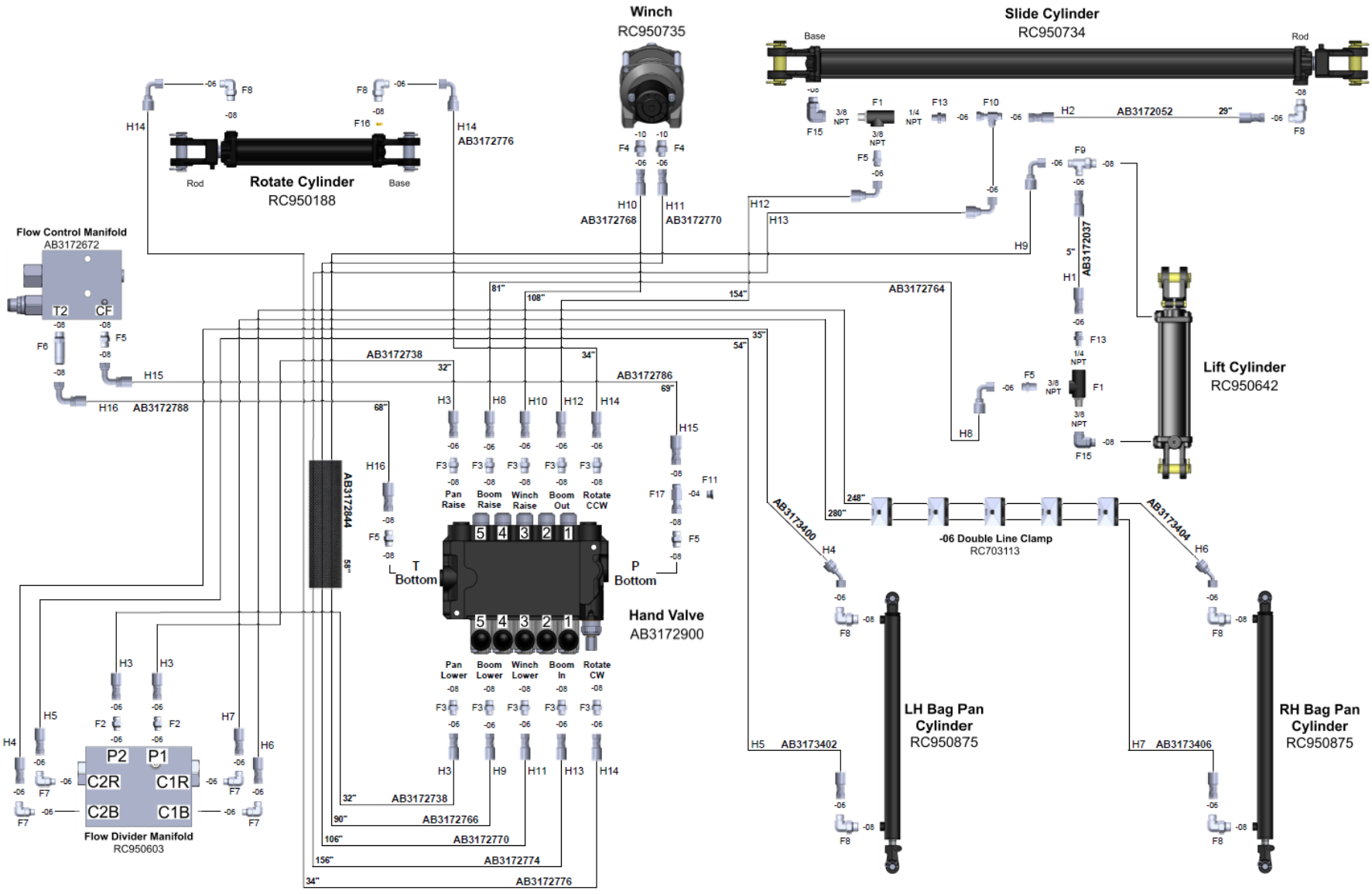
Download PDF version of manual from website to enlarge schematic for ease of component identification.

12.4 –Bag Boom & Bag Pan Schematic

Hydraulic Fittings

Fitting#	Part Number	Description	Qty	Comments
F1	AA1700863	Valve, Pilot Check	2	
F2	RC700077	Adapter, -06 MORFS -06 MORB Straight	2	
F3	RC700078	Adapter, -06 MORFS -08 MORB Straight	10	
F4	RC700079	Adapter, -06 MORFS -10 MORB Straight	2	
F5	RC700083	Adapter, -08 MORFS -08 MORB Straight	3	
F6	RC700109	Adapter, -08 MORFS x -08 MORB Straight Long	1	
F7	RC700118	Elbow, -06 MORFS -06 MORB 90°	4	
F8	RC700119	Elbow, -06 MORFS -08 MORB 90°	7	
F9	RC700146	Tee, -06 MORFS -06 MORB Run	1	
F10	RC700156	Tee, -06 ORFS Run Thru	1	
F11	RC700619	Plug, -04 MORB Socket Head	1	
F12	RC700633	Reducer, -08 MORB -06 FORB Straight	1	
F13	RC700978	Adapter, -06 MORFS 1/4-18 MPT Straight	2	
F14	RC700979	Adapter, -06 MORFS, -06 MPT Straight	2	
F15	RC701028	Elbow, -08 MORB x -06 FPT 90°	2	
F16	RC703098	Orifice, -08 SAE x 0.0320 Hole Disc	1	
F17	RC703199	Tee, -08 ORFS -04 FORB Test Port	1	

12.4 – Bag Boom & Bag Pan Schematic – Continued



*Download PDF version of manual from website to enlarge schematic for ease of component identification. *

12.4 –Bag Boom & Bag Pan Schematic – Continued

Hydraulic Hoses

Hose #	Part Number	Qty	Routing
H1	AB3172037	1	Boom Lift Jumper Hose
H2	AB3172052	1	Boom Slide Jumper Hose
H3	AB3172738	2	Hand Valve to Flow Divider Ports P1/P2
H4	AB3173400	1	Flow Divider Port C2B to LH Bag Pan Cylinder Base End
H5	AB3173402	1	Flow Divider Port C2R to LH Bag Pan Cylinder Rod End
H6	AB3173404	1	Flow Divider Port C1B to RH Bag Pan Cylinder Base End
H7	AB3173406	1	Flow Divider Port C1R to RH Bag Pan Cylinder Rod End
H8	AB3172764	1	Hand Valve to Boom Lift Cylinder Base Check Valve
H9	AB3172766	1	Hand Valve to Boom Lift Cylinder Rod End Tee
H10	AB3172768	1	Hand Valve to Winch Motor LH Port
H11	AB3172770	1	Hand Valve to Winch Motor RH Port
H12	AB3172772	1	Hand Valve to Boom Slide Cylinder Base Check Valve
H13	AB3172774	1	Hand Valve to Boom Slide Cylinder Base Tee
H14	AB3172776	2	Hand Valve to Cylinder Pivot Cylinder
H15	AB3172786	1	Flow Control Manifold Port CF to Hand Valve Port P
H16	AB3172788	1	Hand Valve Port T to Flow Control Manifold Port T2

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12.4 –Bag Boom & Bag Pan Schematic – Continued

Hydraulic Components

Part Number	Description	Qty	Comments
RC950603	Assembly, #06 ORB x 2 Flow Divider	1	
AB3172672	Assembly, Flow Control Manifold	1	
RC703113	Clamp, Double Line .677" ID	6	
RC950188	Cylinder, 2" x 10" Tie Rod	1	
RC950875	Cylinder, 2" x 30" Clevis	2	
RC950734	Cylinder, 2" x 36" Tie Rod	1	
RC950642	Cylinder, 3" x 10" Tie Rod	1	
RC950735	Hoist, 2000lbs Hydraulic	1	
AB3172844	Sleeving, 58" C.L. 8" Ballistic Nylon	1	
AB3172900	Valve, 5-Spool Manual Control	1	

18 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 main planetary, feedtable planetary, and gearbox oil levels are filled to the proper level.

☐ The hydraulic oil level is filled to the proper level.

☐ The feedtable slides properly and is properly lubricated.

☐ All guards, shields and decals are in place and securely attached.

☐ All chains are properly tightened and installed.

- Lower Beater Chain
- Hydraulic Pump Drive Chain

☐ Brake system properly tightens and releases.

☐ Brake discs are clean and rust free.

☐ Tunnel bungee cord and bag pan cords are properly installed.

☐ Anchor cables are routed properly with no binding.

☐ 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.

☐ The bag cradle is installed properly and secured to the machine for transport.

☐ 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

19 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

20 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.

Bit.ly/Ag-BagReg

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.

Customer Signature

Model Number

Serial Number

Dealer Representative Name

Dealer Representative Signature

Dealer Name and Location

Date

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 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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