

36A/48A Plot Harvester



Operator Manual

Includes operating, adjustment, maintenance, technical, repair parts, and safety information for the 36A/48A Plot Harvester.



Please retain this document for future reference.

RCI Research Plot Equipment Warranty Statement

RCI Engineering LLC, hereinafter referred to as RCI, warrants new RCI Research Plot 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.

RCI warranty includes:

Genuine RCI parts required to repair or replace equipment at the customer's business location.

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.

RCI WARRANTY DOES NOT INCLUDE:

1. Transportation to RCI or a dealership 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-RCI warranties, such as tires and trade accessories.
5. Normal maintenance service and expendable, high-wear items.
6. Sacrificial components designed to fail to prevent damage to other components when obstructions are encountered (i.e. shear bolts, pickup teeth)
7. Repairs or adjustments caused by: improper use; non-intended use; failure to follow recommended maintenance procedures; use of unauthorized attachments; accident or other casualty.
8. Liability for incidental or consequential damages of any type, including, but not limited to lost profits or expenses of acquiring replacement equipment or damage to machines to which the attachment is installed.

No agent, employee, or representative of RCI has any authority to bind 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.

Note: The base machines used for some RCI Research Plot Harvesters may carry their own warranty independent of the RCI warranty. RCI warranty only applies to RCI Products.

36A/48A Plot Harvester Marketing Bulletin

Intended Use

The 36A and 48A Research Plot Harvesters are used to harvest test plots of alfalfa, grass, switch grass, or other forages and/or biomass crops. The unit can be configured to be mounted on the Towable Plot Harvester, on a John Deere Front Mount Mower, or on John Deere Utility Tractors. This manual reflects the operation and attachment of 36A/48A Harvesting Unit

Product Highlights

- Cost effective solution for harvesting plots
- Hydraulic or mechanical drive system for simplicity of drives and service points
- 30 Cup-Knife cutting flail for clean, fine cut, 48" cut width
- Cutting/shredding knife option for particle size reduction
- Can be custom painted to any machine color as an option

Setup and Installation Time

36A/48A Plot Harvester Setup Time (from shipping when new):

The 36A/48A Plot Harvester comes complete for field use. No additional setup is required. However, adjustments may be needed according to operator preferences. See adjustment section of this manual.

For more information, please see www.RCIengineering.com or contact RCI directly.

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All parts, service and warranty matters are handled by RCI Engineering LLC. Visit www.RCIengineering.com for more product information, ordering, and pictures of the harvesting unit.

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Safe Operation of Machine

Operator Authorization

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

Safety Alert Symbol



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

Understand Signal Words

▲ DANGER

A signal word such as DANGER, WARNING, or CAUTION is used with the safety-alert symbol.

DANGER identifies the most serious hazards.

▲ WARNING

DANGER or WARNING safety signs are located near specific hazards. WARNING also calls attention to safety messages in this manual.

▲ CAUTION

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's Manual for the Power Unit for all information regarding the power unit. This manual is for the harvesting unit and only covers items related to the operation of the attachment.

1. The warning and safety decals on the attachment provide important information to ensure safe operation of the machine. Read and follow these instructions at all times and remain safe.
2. Familiarize yourself with all controls of the machine and attachment as well as the function of the unit before operation of the machine.
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 TRANSPORTING THE MACHINE for more information on proper machine setup for transportation.
6. Before harvesting begins each time the machine is operated, inspect the area around the machine. Ensure that no one is close to the machine for bystander safety.
7. Keep clear of the working and danger area of the machine.
8. Use caution when working on moveable components of the machine. There are many pinch and shear points.

Safety Warning Signs

Safety Messages

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



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



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



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



Safety Decal (4). Avoid injury from thrown objects. DO NOT operate when other people are in the vicinity of the machine. Objects can be thrown great distances by the rotating cutting blades. The header shield is very important to reduce the potential for thrown objects. ALWAYS keep the header shield intact during operating procedures and replace if worn or damaged.



Safety Decal (5). This safety sign is a warning of injury due to escaping hydraulic fluid under pressure. Keep away from this area when the hoses have hydraulic pressure to avoid the hazard. Failure to do so may result in serious injury.



Safety Decal (6). Eye Protection Required. Before operating the machine, make sure to wear safety glasses or goggles to protect from foreign and/or projected objects.



Safety Decal (7). This safety sign is a warning of potential shear points. Shear points can cut through skin, clothing and body parts. To prevent injury, keep all body parts and clothing a safe distance during operation and shut off the machine before performing any service.



Warning Decal (8). Ear protection required. Prolonged exposure to loud noise can cause hearing impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noise.



SMV
Slow Moving Vehicle Decal (9). This SMV decal must be visible on the back of the machine during road transport. See local DOT regulations for details.

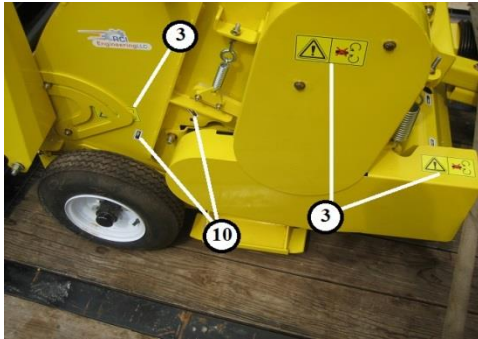


Grease Fitting Decal (10). This decal indicates grease fitting locations. See maintenance section for lubrication details.

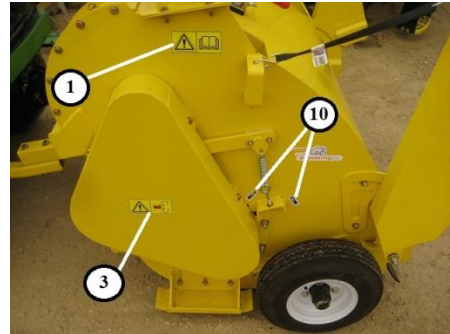


Safety Decal (11). This safety sign is a warning of pinch point hazard. The bottom of the hopper folds open and closed. Keep hands and all other body parts, including clothing a safe distance from the hazard. Stay away from the machine when in operation.

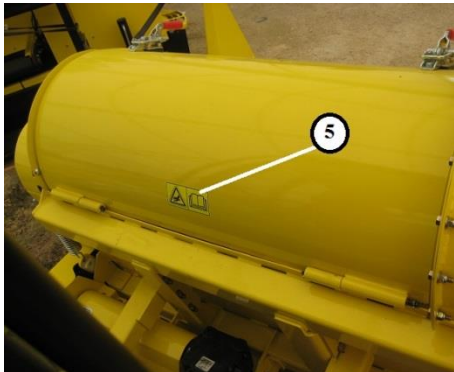
Safety Sign Locations (callouts correspond with safety signs on previous pages)
 (pictures are reference only to safety sign locations and not to head attachment)



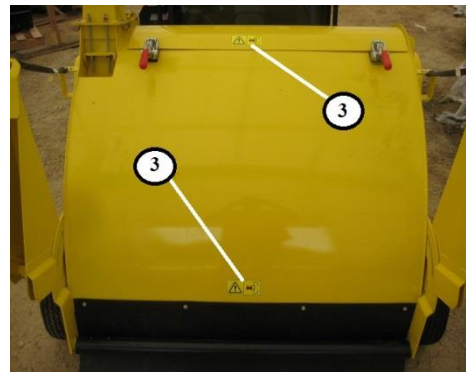
LH Side of the Harvesting Unit



RH Side of the Harvesting Unit



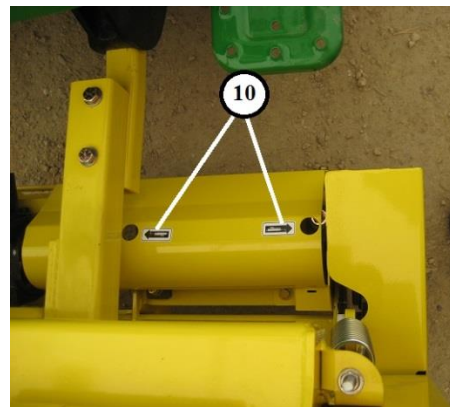
Back of the Harvesting Unit/ Access Door



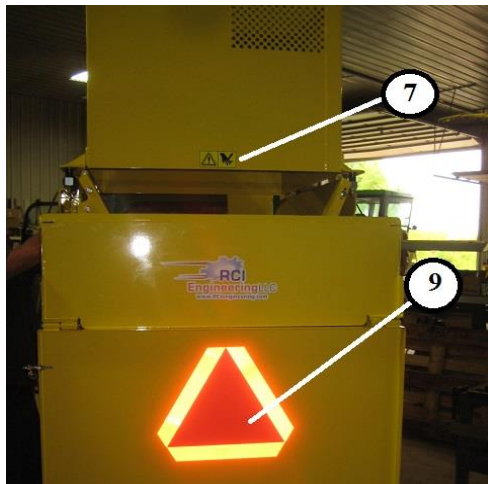
Front of the Harvesting Unit



Adaptor, under Discharge Pipe Unit



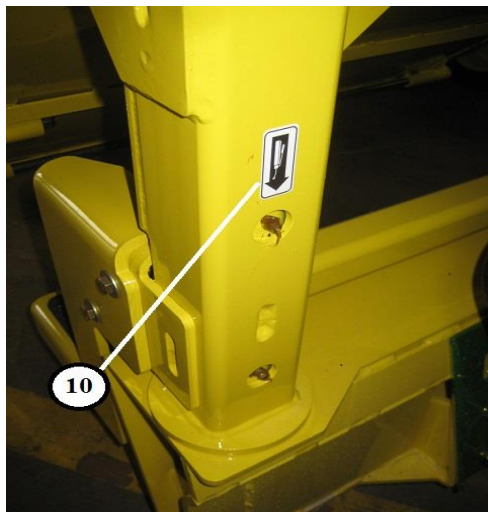
Gear Shaft Cover/ Back of Harvesting Unit



Back of the Hopper



Both Sides of the Hopper



Front RH Side of the Hopper

OPERATING THE MACHINE

Note: Refer to the machine power unit manufacturer operator manual for operation of controls of the Harvesting Unit.

Preparing for the Field

1. Check tires for damage and correct inflation pressure daily. See maintenance and service section for tire inflation details
2. All shields and guards are properly installed and tightened. Replace any damaged or missing shields and guards
3. Service items are completed (See MAINTENANCE section).
4. All warning labels and signs are visible and in place. Replace any warning labels that are missing or damaged (See SAFETY SIGNS at beginning of this manual).
5. All adjustments for crop conditions have been made.
6. All safety checks have been made and the safety section of this manual has been read in it's entirety.

FIELD OPERATION

Cutting Height Adjustment

Make sure to adjust the cutting height to harvesting preference.

Three carriage bolts are located on each side of the outside of the harvesting unit and secure the axle at the desired cutting height.

Raise the harvesting unit off the ground to an optimal working and adjusting state.

Install the lockout device on the lift mechanism or secure the harvesting unit safely and properly if in a raised position.

Make sure machine is turned off and the key is taken out of the ignition to remain with the operator.

Loosen the 3 carriage bolts on each side of the machine. Adjust the axle up and down according to harvesting preference.

Make sure both sides are adjusted equally to ensure level cutting performance. Tighten bolts to torque specifications.

Refer to Figure 1 for details.

Front Roller Guide Adjustment

Adjust the front roller guide to desired height for crop conditions. Roller guide should be as low as possible without contacting the ground for optimal cutting conditions. However, the height of the roller is dependent upon the preference of the operator.

Adjust the roller height by loosening the carriage bolt shown in Figure 2.

By loosening this carriage bolt (1 per side of the head) the roller, also shown in Figure 2, can be adjusted up and down.

Tighten carriage bolts to set the desired roller height.

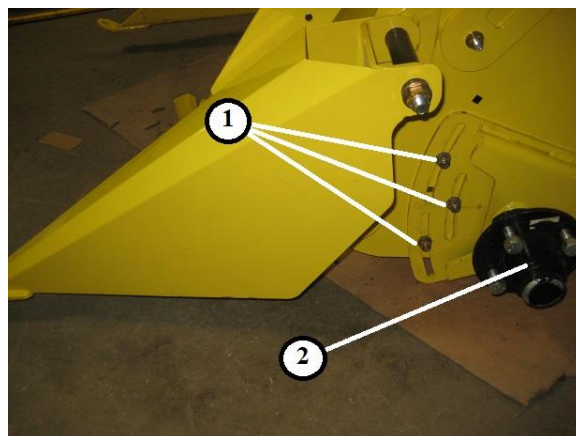


Figure 1. Side of the Head (Wheel removed for clarity)

Key 1 – Bolts for adjusting wheel height
Key 2 – Wheel axle (reference only)

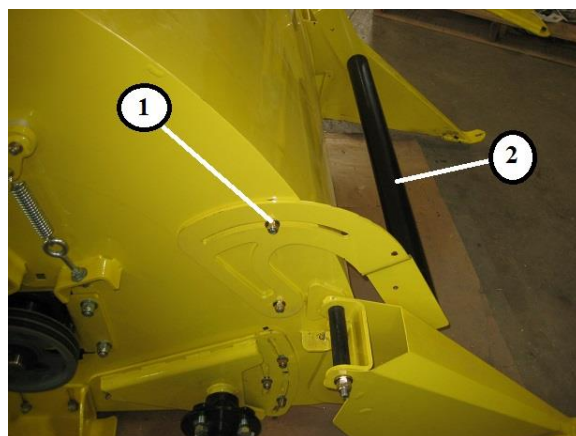


Figure 2. Adjusting the Front Roller Guide

Key 1 – Carriage Bolt
Key 2 – Front Roller Guide

Adjust Crop Divider Height

Before operating in the field, lower the skid shoes from the transportation position.

Snouts should evenly rest on the ground. However, divider height is dependent on cutting height at the preference of the operator.

Crop dividers raise and lower manually by hand and attach to the head in the completely raised position during transportation with the use of a stretch cord from the tip of the skid shoes to the top of the harvesting unit at the side.

See Figures 3 and 4 for details.

ONLY raise and lower the skid shoes by hand with the machine turned off and the key out of ignition.

Snout height adjustment for operation can be done in accordance of Figure 4.

Tighten and/or turn in adjustment bolt to achieve higher snout height. Loosen and/or turn out adjustment bolt to achieve lower snout height.



Figure 3. Snouts Shown in the Down/Operating Position

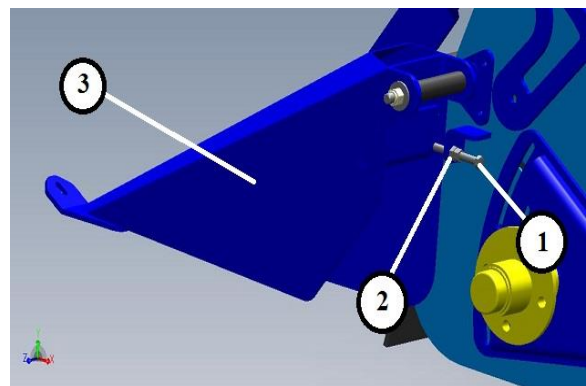


Figure 4. Snout Height Adjustment
Key 1 – Adjustment Bolt
Key 2 – Jam Nut
Key 3 - Snout

Auger Door Access

Before operating the machine make sure the clamps on top of the harvesting unit tightly secure the hatch door shut.

Figure 5 shows a clamp in the locked position. Notice red handle is all the way down over center.

Make sure both handles are in latched position as shown in Figure 5.

Lift handle to unlock the hatch ONLY when machine is not running for service for cleaning of the auger.

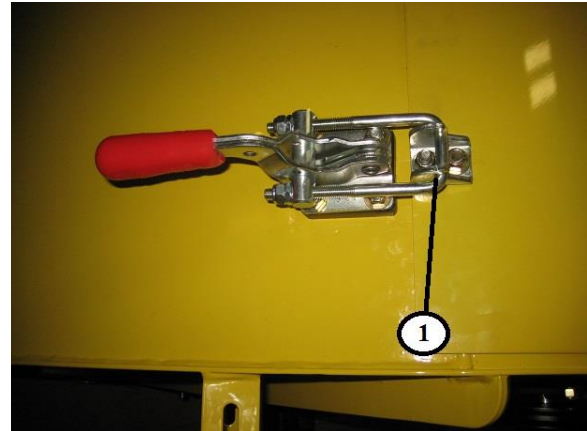


Figure 5. Top of the Header
Key 1 – Clamp in the locked position

Attaching 48A Harvesting Unit to Machine (Front Mount Mowers)

Remove the attachment tubes shown in Key 1 of Figure 6.

Mount tubes inside of the two hydraulic lift brackets on the front of the power unit (reference Figure 7.)

Reline attachment tubes to the bolt holes where original bolts were removed.

Replace with original hardware and torque to specification.

Refer to power unit operations manual for instructions on controls of operating the 34A/48A Harvesting Unit.

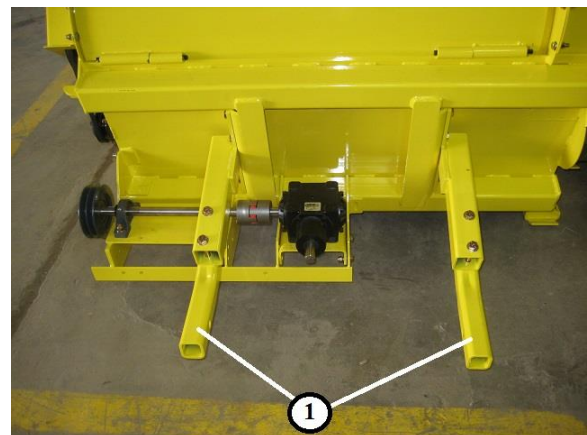


Figure 6. Back of the Head
Key 1 – Attachment Tubes

Figure 7 shows the Harvesting Unit properly attached to the power unit.

IMPORTANT: Install hydraulic rod spacers (Key 4, Figure 7) as needed to prevent interference with the harvesting unit and the power unit in the raised position.

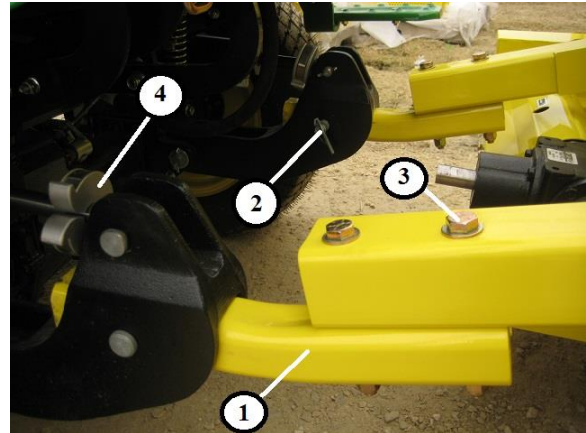


Figure 7. Attaching the Harvesting Unit (PTO removed for clarity)

Key 1 – Attachment Tube (x2)

Key 2 – Pin (x2)

Key 3 – Original Hardware (x4)

Key 4 – Hydraulic Rod Spacer (x2)

Power Take Off Installation

Before operating the machine inspect the PTO for installation to the harvesting unit and the machine. Refer to Figure 8 for proper installation of the PTO. Ensure set screws are tightened and the PTO is secured before operating the machine. Grease fitting in location shown in Figure 8.

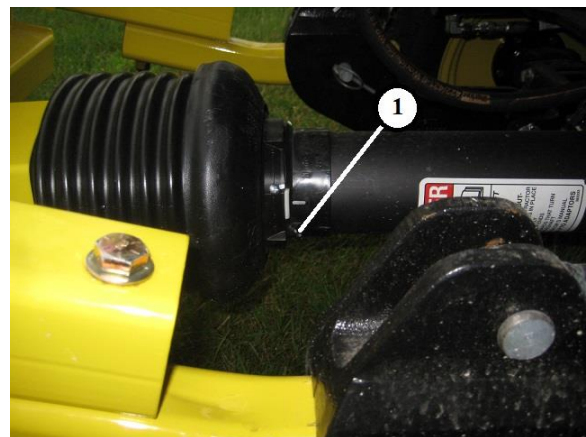


Figure 8. Power Take Off (PTO) Securement

Key 1 – Grease Fitting Location

Rear Skid Shoe Adjustment

The rear skid shoes behind the tire serve as a guide to support the head for desired cutting height in uneven crop conditions or in switch-grass where the crown of the plant extends above the ground.

See Figure 9 for the location of the carriage bolts to loosen to adjust the height of the skid shoe (1 per side of the head).

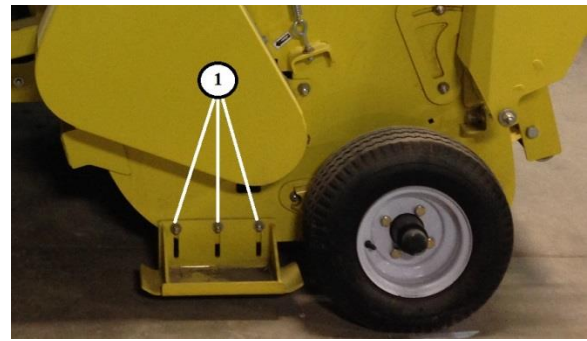


Figure 9. Skid Shoe Adjustment
Key 1 – Carriage Bolts for Adjusting
Skid Shoe Height

Secure the Discharge Pipe (Front Mount Mowers only)

The discharge pipe attaches to the discharge of the blower at the top RH side of the harvesting unit.

When assembling, use quick clamps to direct the flow of the pipe toward the hopper behind the machine.

Flexible tubing will attach to the end of the pipe with a 6" hose clamp. Refer to Figure 10 for reference when installing the discharge pipe.



Figure 10. Attaching the discharge pipe
Key 1 – Quick Clamp 6" (as required)
Key 2 – 6" Hose Clamp
Key 3 – Flexible Tubing
Key 4 – Discharge Pipe (straight)
Key 5 – Discharge Pipe (45 degree)
Key 6 – Discharge Pipe (30 degree)

Hopper Pivot Release (Rear Hopper Units Only)

The 36A/48A Plot Harvester is equipped with a rear pivoting hopper.

The hopper pivots at the right hand side of the machine.

To allow the hopper to pivot, remove the pins and remove the handles shown in Figure 11.

To secure the hopper into original position replace pins and retighten handles.

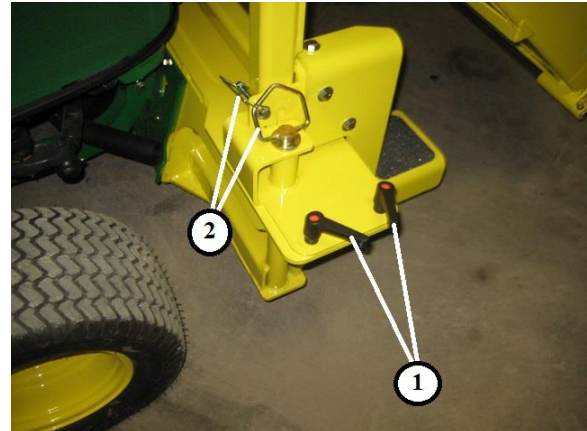


Figure 11. Hopper Pivot Release
Key 1 – Handles
Key 2 – Pins

Hopper Frame Securement

Regularly check the securement of the hopper frame to the back of the machine.

To tighten and further secure the frame closer/tighter to the machine turn the handle as referenced in Figure 12.

Remove prior to swinging rear hopper assembly for service of the machine.

A hole is provided at the sampler to secure the arm in a raised position.

When tightening, tighten until the supports at the back of the cab begin to deflect from the load.

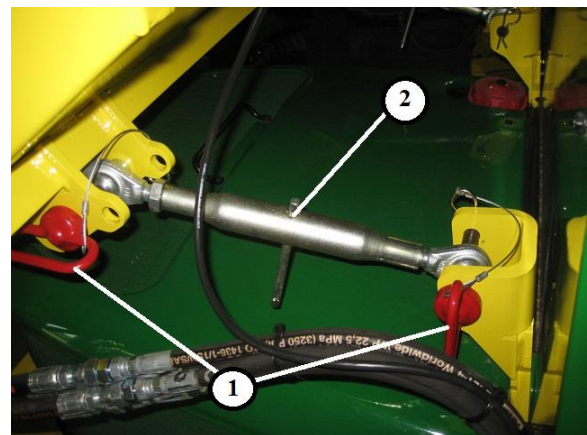


Figure 12. Hopper Frame Securement
Key 1 – Pins
Key 2 – Turn Handle

Operating Controls

The 36A/48A Plot Harvester is fully operational from the operator seat.

Reference machine Operator Manual and Figure 13 for operating the machine and the attachment.

See display, shown in Figure 14, operator manual for directions on usage in determining harvest data.

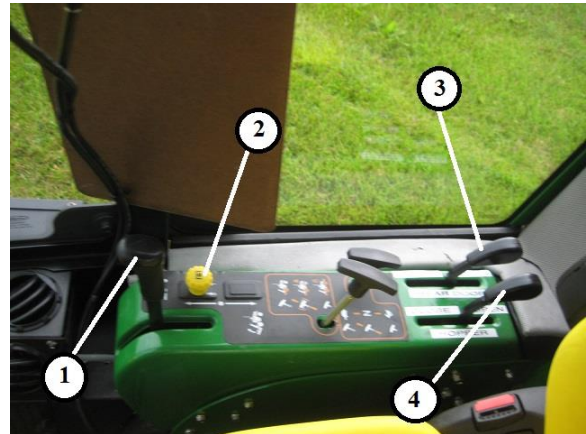


Figure 13. Plot Harvester Controls

Key 1 – Harvesting Unit Raise/Lower

Key 2 – PTO

Key 3 – Rear Door Close/Open

Key 4 – Hopper Close/Open

Scale Unit

A Digi-Star EZ400 Scale system is used to measure plot weights.

Refer to Operator Manual of the EZ400 for further information regarding the scale system.



Figure 14. Measuring Harvest Weight Data

Key 1 - Display

MAINTENANCE

ALWAYS perform service operations in accordance to safety decal messages and this manual.

Lubrication

Perform general lubrication every 10 hours of operation or before and after intermediate use unless otherwise specified.

Severe or unusual conditions may require more frequent lubrication.

The following illustrations show the lubrication points on the unit.

Prior to using grease gun, clean the grease fitting. Replace lost and broken grease fittings immediately.

Grease PTO shaft at yokes and center of slide tube.

Other grease fitting locations are shown in Figures 15 through 18.



Figure 15. Flail Drive (RH Side of Head)
Key 1 – Grease Fitting Location

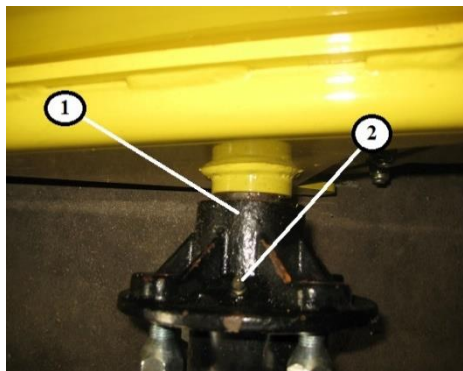


Figure 16. Front Axle
Key 1 – Wheel Spindle (1 per side)
Key 2 – Grease Fitting Location

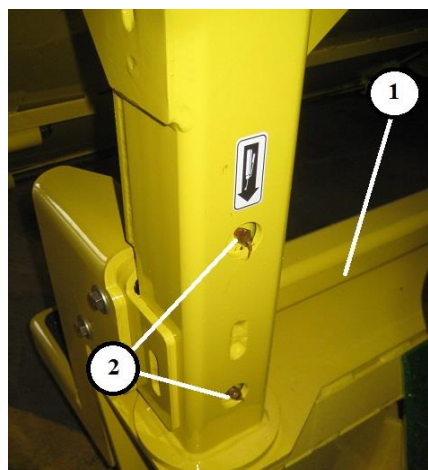


Figure 17. Hopper Frame Pivot
Key 1 – Rear Hopper Frame
Key 2 – Grease Fitting Locations

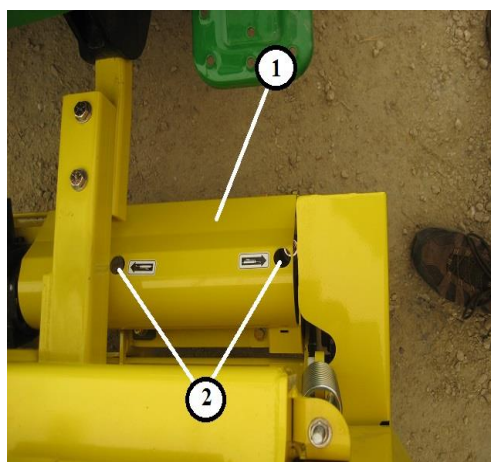


Figure 18. Main Drive
Key 1 – Shield
Key 2 – Jackshaft Bearings (2)

Belt Tension

Before operating the machine ensure proper belt tension on both sides of the harvesting unit.

Make sure the header is resting on the ground, the machine is turned off and the key is taken out of the ignition.

Remove the cover plates over the belt and drive systems.

Figure 19 and 20 show proper routing of the belts.

Adjust the belts tensions to $\frac{1}{2}$ " of slack (with less than 15 pounds of force) at the longest run between pulleys.

Belt tensions can be adjusted by turning the eye bolt (Key 3) in the spring tensioner assembly.

Tighten the bolt by loosening the top nut on the shaft of the bolt and tightening the bottom bolt on the head of the bolt.

Tighten top nut when desired belt tension is achieved.

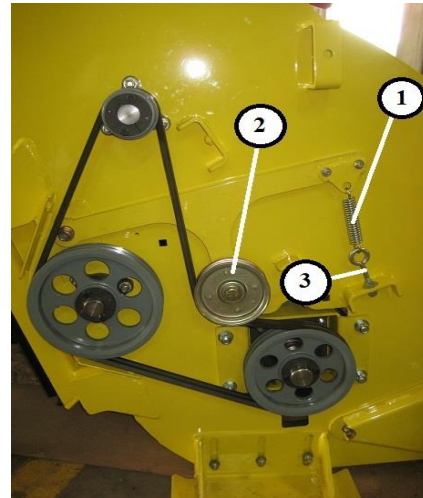


Figure 19. RH Side of Header

Key 1 – Spring

Key 2 – Tensioner Pulley

Key 3 – Eye Bolt

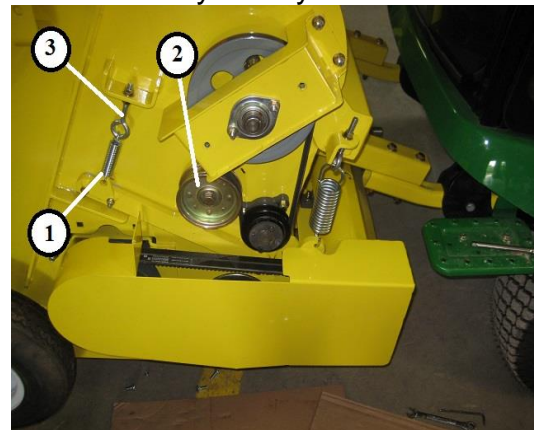


Figure 20. LH Side of Header

Key 1 – Spring

Key 2 – Tensioner Pulley

Key 3 – Eye Bolt

Fire Prevention

Due to the environment that this attachment operates in, the risk of fire is present.

Regular inspection and cleaning can reduce the risk of fire.

Keep the attachment free of debris to limit the risk of fire.

Inspect the machine daily for any signs of damage or failed components.

This includes but is not limited to sounds that may indicate an early warning of a failure and unusual wear patterns that indicate misalignment or an early sign of failure.

Keep an ABC fire extinguisher or water extinguisher in good working order and on the power unit at all times.

SERVICE

IMPORTANT: Perform all service operations in accordance with the safety precautions at the beginning of this manual and in accordance to safety decal messages!

Service Intervals

36A/48A Harvesting Unit

Tighten Lug Nuts.....	100 hrs
Check Belt Tension.....	Daily
Check Tires for Damage/Inflation...	Daily
Grease Flail Drive.....	10 hrs
Grease Gauge Wheel Spindles..	10 hrs
Remove Excess Crop.....	Daily
Change Gearbox Fluid	100 hrs
	(or every 2 years)

Tires and Wheels

Tighten lug nuts after the first ten hours of operation.

Check tires for damage and correct pressure daily.

Always maintain the correct tire pressure according to specifications implied by the tire manufacturer.

Maximum pressure restrictions are listed on the sidewall of each tire.

Also, check the rims for damage and missing lug bolts and nuts.

Check the belt tension before each use of the machine.

Belts should have no more than ½" of slack at the longest span with minimal pressure (less than 15 pounds of force).

See maintenance section of this manual for safe and proper tensioning of the belt.

Grease lubrication locations before each use of the machine.

Grease fitting locations are indicated in the maintenance section of this manual.

After each use of the machine remove excess crop from the inside of the harvesting unit.

Before removing excess crop residue, lower the harvesting unit to the ground, shut off the machine, and take the key out of the ignition. Wait for components to stop rotating.

Open the auger access door by unlocking the clamps on top of the head as shown in the field operation section of this manual.

Make sure to wear protective gloves, eye protection, and be cautious of shear points inside of the head such as cutting knives on the flail and edges of the auger.

See Figure 21 for auger access details.

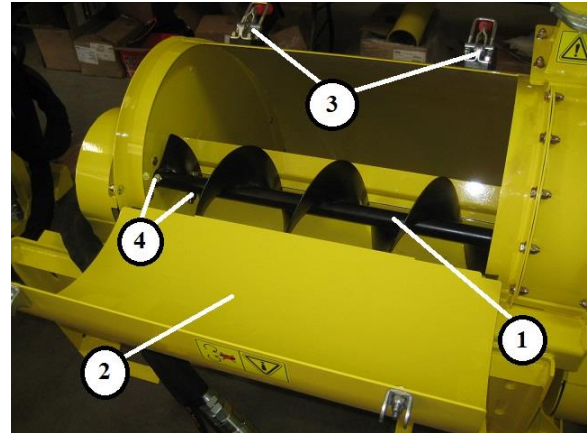


Figure 21. Auger Access
Key 1 – Auger
Key 2 – Auger Door
Key 3 – Auger Door Clamps
Key 4 – Hardware

Change Gearbox Fluid

The main drive gearbox fluid should be changed every 100 hours of operation, or every 2 years (whichever occurs first).

Drain the gearbox with the drain plug at the bottom of the gearbox.

Refill to specification through top plug (remove breather tube).

Reinstall breather plug and ensure the breather is clean.

Specification

Main Gearbox Fluid

16oz. AGMA 5EP Gear Oil

See Figure 22.



Figure 22. Main Gearbox
Key 1 – Fill Hole
(breather removed for clarity)

Change Blower Band

The blower band may need to be changed when a hole wears through the perimeter, below the blower rotor.

To change the band, first lower the header to the ground, shut off engine and remove key.

Locate the blower band and remove the tension nuts at the top of the blower band, Key 1, Figure 23.

Remove the side drive cover, Key 2, Figure 23.

Release the tension on the blower drive belt, Key 1, Figure 24.

Remove the Tensioner Pivot Arm Bolt, Key 2, Figure 24. The head of the bolt is accessible from the inside of the header.

The Blower Band should now be loose and can be removed by rotating through the opening in the frame at Key 3 of Figure 23.

To install the new blower band, reverse the steps above.

When tensioning the belt, follow the procedure in the maintenance section for the belt.

When tensioning the Blower band, tighten the nuts on the threaded rod (Key 1 of Figure 23) fully such that there is no slack in the blower band.

Tighten nuts with jam nuts to secure the blower band under pressure in position.

Tighten all hardware properly and install shields.

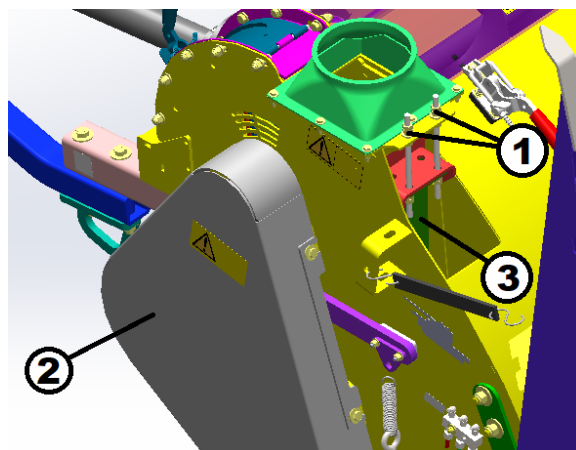


Figure 23. Blower Band Location
Key 1 – Nuts Key 2 – Cover
Key 3 – Blower Band

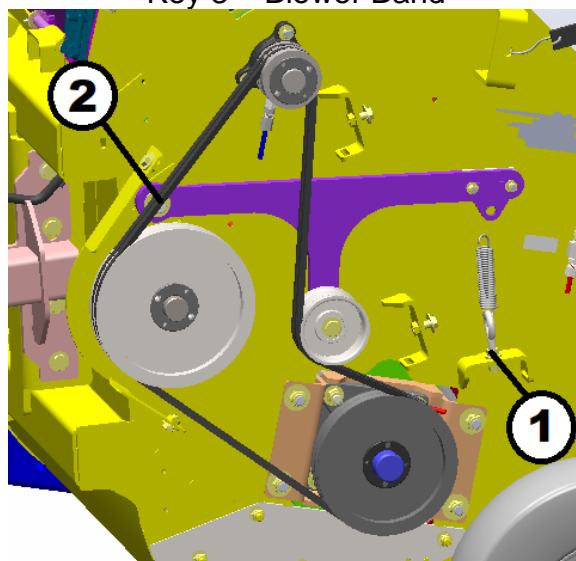


Figure 24. Retaining Bolt Removal
Key 1- Spring Bolt
Key 2 – Pivot Arm Bolt

Blower Paddle Clearance

Access the blower paddles by removing the rear housing or opening the access panel of the blower as shown in Figure 25.

Measure the clearance between the blower paddle and the blower band. Take care to ensure measurement is made at the band and not the housing or frame behind the band.

Specification:

Blower band clearance .030" Gap

Use a feeler gauge to set the gap.

To adjust the blower paddles, loosen the nuts on the carriage bolts that hold the paddle in place. Adjust the paddle for clearance and ensure that the paddle is parallel to the side of the frame at Key 4 of Figure 26. The gap to the side of the frame at this position should be approximately 1/8".

Once properly aligned, tighten nuts on carriage bolts on the paddle.

Specification:

Blower paddle hardware torque
160 ft-lbs.

IMPORTANT:

Always ensure that the blower paddle nuts are tightened properly. Failure to do so may result in injury or machine damage.

Repeat the process on all paddles.

Carefully rotate the rotor by hand to ensure no contact is made between paddles and housing or blower band.

Replace covers.

When starting unit, start at low idle and slowly increase RPM to high idle to ensure that the clearance is maintained. If a ticking noise is heard during this process, stop immediately and repeat the process.

See Figure 26.

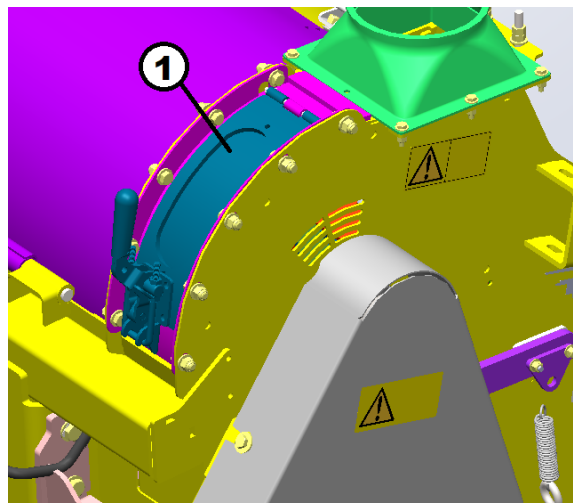


Figure 25. Blower Paddle Access
Key 1 – Cover

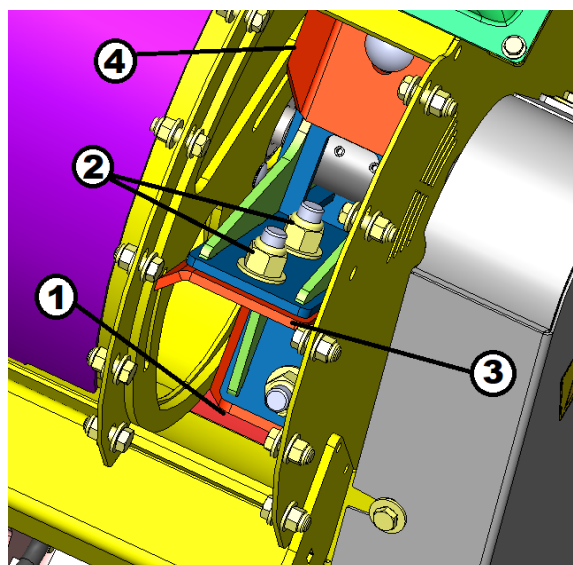
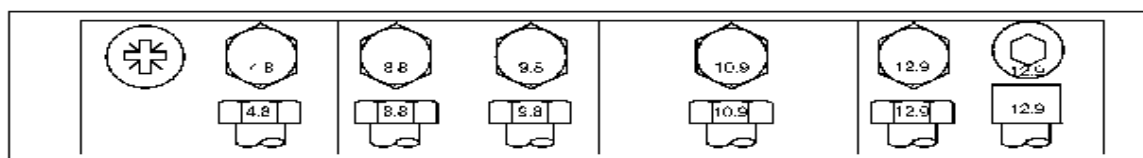


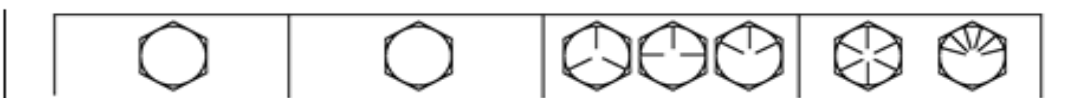
Figure 26. Blower Paddle Clearance
Key 1 – Clearance location
Key 2 – Paddle Nuts Key 3 – Paddle
Key 4 – Clearance and Parallel to
Frame Location

Metric Bolt and Screw Torque Values



Bolt or	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
Screw	Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b	
Size	N-m	lb-in	N-m	lb-in	N-m	lb-in	N-m	lb-in	N-m	lb-in	N-m	lb-in	N-m	lb-in	N-m	lb-in
M6	4.7	42	6	53	8.9	79	11.3	100	13	115	16.5	146	15.5	137	19.5	172
									N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft
M8	11.5	102	14.5	128	22	194	27.5	243	32	23.5	40	29.5	37	27.5	47	35
			N-m	lb-ft	N-m	lb-ft	N-m	lb-ft								
M10	23	204	29	21	43	32	55	40	63	46	80	59	75	55	95	70
	N-m	lb-ft														
M12	40	29.5	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	46	80	59	120	88	150	110	175	130	220	165	205	150	260	190
M16	100	74	125	92	190	140	240	175	275	200	350	255	320	235	400	300
M18	135	100	170	125	265	195	330	245	375	275	475	350	440	325	560	410
M20	190	140	245	180	375	275	475	350	530	390	675	500	625	460	790	580
M22	265	195	330	245	510	375	650	480	725	535	920	680	850	625	1080	800
M24	330	245	425	315	650	480	820	600	920	680	1150	850	1080	800	1350	1000
M27	490	360	625	460	950	700	1200	885	1350	1000	1700	1250	1580	1160	2000	1475
M30	660	490	850	625	1290	950	1630	1200	1850	1350	2300	1700	2140	1580	2700	2000
M33	900	665	1150	850	1750	1300	2200	1625	2500	1850	3150	2325	2900	2150	3700	2730
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2770	4750	3500
Torque values listed are for general use only, based on the strength of the bolt or screw. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For stainless steel fasteners or for nuts on U-bolts, see the tightening instructions for the specific application. Tighten plastic insert or crimped steel type lock nuts by turning the nut to the dry torque shown in the chart, unless different instructions are given for the specific application.									Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class. Replace fasteners with the same or higher property class. If higher property class fasteners are used, tighten these to the strength of the original. Make sure fastener threads are clean and that you properly start thread engagement. When possible, lubricate plain or zinc plated fasteners other than lock nuts, wheel bolts or wheel nuts, unless different instructions are given for the specific application.							
^a "Lubricated" means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or M20 and larger fasteners with JDM F13C zinc flake coating.																
^b "Dry" means plain or zinc plated without any lubrication, or M6 to M18 fasteners with JDM F13B zinc flake coating.																

Standard Bolt and Screw Torque Values



Bolt or Screw	SAE Grade 1				SAE Grade 2 ^a				SAE Grade 5, 5.1 or 5.2				SAE Grade 8 or 8.2			
	Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c	
Size	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in	N·m	lb-in
1/4	3.7	33	4.7	42	6	53	7.5	66	9.5	84	12	106	13.5	120	17	150
													N·m	lb-ft	N·m	lb-ft
5/16	7.7	68	9.8	86	12	106	15.5	137	19.5	172	25	221	28	20.5	35	26
									N·m	lb-ft	N·m	lb-ft				
3/8	13.5	120	17.5	155	22	194	27	240	35	26	44	32.5	49	36	63	46
			N·m	lb-ft	N·m	lb-ft	N·m	lb-ft								
7/16	22	194	28	20.5	35	26	44	32.5	56	41	70	52	80	59	100	74
	N·m	lb-ft														
1/2	34	25	42	31	53	39	67	49	85	63	110	80	120	88	155	115
9/16	48	35.5	60	45	76	56	95	70	125	92	155	115	175	130	220	165
5/8	67	49	85	63	105	77	135	100	170	125	215	160	240	175	305	225
3/4	120	88	150	110	190	140	240	175	300	220	380	280	425	315	540	400
7/8	190	140	240	175	190	140	240	175	490	360	615	455	690	510	870	640
1	285	210	360	265	285	210	360	265	730	540	920	680	1030	760	1300	960
1-1/8	400	300	510	375	400	300	510	375	910	670	1150	850	1450	1075	1850	1350
1-1/4	570	420	725	535	570	420	725	535	1280	945	1630	1200	2050	1500	2600	1920
1-3/8	750	550	950	700	750	550	950	700	1700	1250	2140	1580	2700	2000	3400	2500
1-1/2	990	730	1250	930	990	730	1250	930	2250	1650	2850	2100	3600	2650	4550	3350

Torque values listed are for general use only, based on the strength of the bolt or screw. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For plastic insert or crimped steel type lock nuts, for stainless steel fasteners, or for nuts on U-bolts, see the tightening instructions for the specific application. Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Replace fasteners with the same or higher grade. If higher grade fasteners are used, tighten these to the strength of the original. Make sure fastener threads are clean and that you properly start thread engagement. When possible, lubricate plain or zinc plated fasteners other than lock nuts, wheel bolts or wheel nuts, unless different instructions are given for the specific application.

^a Grade 2 applies for hex cap screws (not hex bolts) up to 6 in. (152 mm) long. Grade 1 applies for hex cap screws over 6 in. (152 mm) long, and for all other types of bolts and screws of any length.

^b "Lubricated" means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or 7/8 in. and larger fasteners with JDM F13C zinc flake coating.

^c "Dry" means plain or zinc plated without any lubrication, or 1/4 to 3/4 in. fasteners with JDM F13B zinc flake coating.

THEORY OF OPERATION

Drive System

The 48A Plot Harvesting Unit is powered by a shaft, gearbox and pulley assembly that drives the harvesting unit.

The power from the motor is passed through the rotor and to the auger and blower through the belt and pulley system.

Belt and Pulley System

There are three separate belt and pulley systems on the 48A Harvesting Unit.

On the RH side of the head is a belt and pulley system that drives the blower and idler shaft. This system uses double A-68 V-belts that run on a series of four pulleys.

The LH side of the head has two belt and pulley systems.

The auger pulley system has a single A-37 V-belt that runs on a series of three pulleys.

The gear driven pulley system is also located on the LH side of the head.

This system drives the other pulley systems.

It has a double 5VX belt about 63 inches long that run on a series of three pulleys.

Each system is tensioned by the tensioner pulley and spring assembly as shown in the maintenance section of this manual.

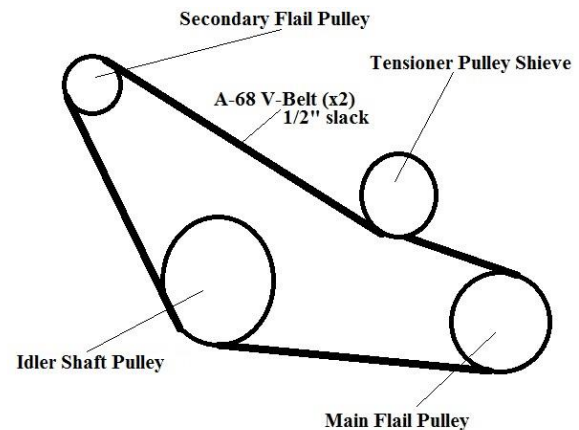


Figure 27. RH Side of Harvesting Unit Flail Belt and Pulley Identification

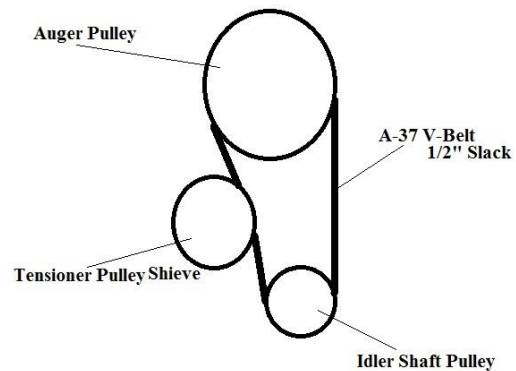


Figure 28. LH Side of Harvesting Unit Auger Belt and Pulley Identification

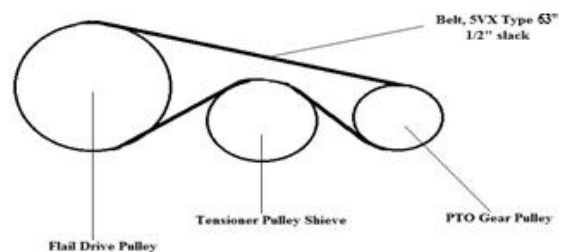


Figure 29. LH Side of the Harvesting Unit Gear Drive Belt and Pulley Identification

General Comments

The following includes information regarding parts for the machine.

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 RCI directly.

Attention: Refer to the parts pages in the following pages of this manual for reference of part numbers and descriptions. Please include a serial number and model of the harvester (36A/48A) when placing orders.

The serial number plate is located on the back side of the harvesting unit.

See Figure 30.

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. When replacing missing, worn, or damaged hardware refer to the parts pages in this manual for correct replacement parts. Follow bolt torque values in accordance with the bolt torque value charts in this manual unless otherwise indicated.



Figure 30. Back of Unit
Key 1 – Serial Number Location

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

The following spare parts are recommended for stocking purposes and include common wear items for the 36A / 48A.

Part Number	Description	Qty per Unit
RC181246	Shoe, Skid	2
RC081022	Knife, Flail	22
RC181293	Knife, Blower	4
RC950209	Bearing, 2"	2
RC950206	Bearing, 1"	2
RC950228	V-Belt, A68	2
RC950212	Bearing, 1-1/4"	4
RC950227	V-Belt, A37	1
RC950105	5VX Belt	1

A spare parts bundle is also available for late model 36A and 48A Harvesters.

RC181218 Bundle, 36A/48 Spare Parts

This bundle contains knives, bearings, and common belts for the machine.

See Figure 31.

IMPORTANT

Always verify the belt size on the machine before ordering replacement belts, particularly for the main drive belt. The design has been revised over time and a different belt may be needed than is supplied in the bundle.

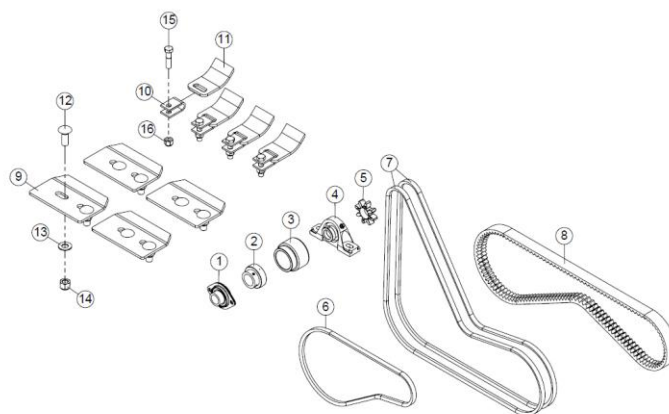


Figure 31. Spare Parts Bundle

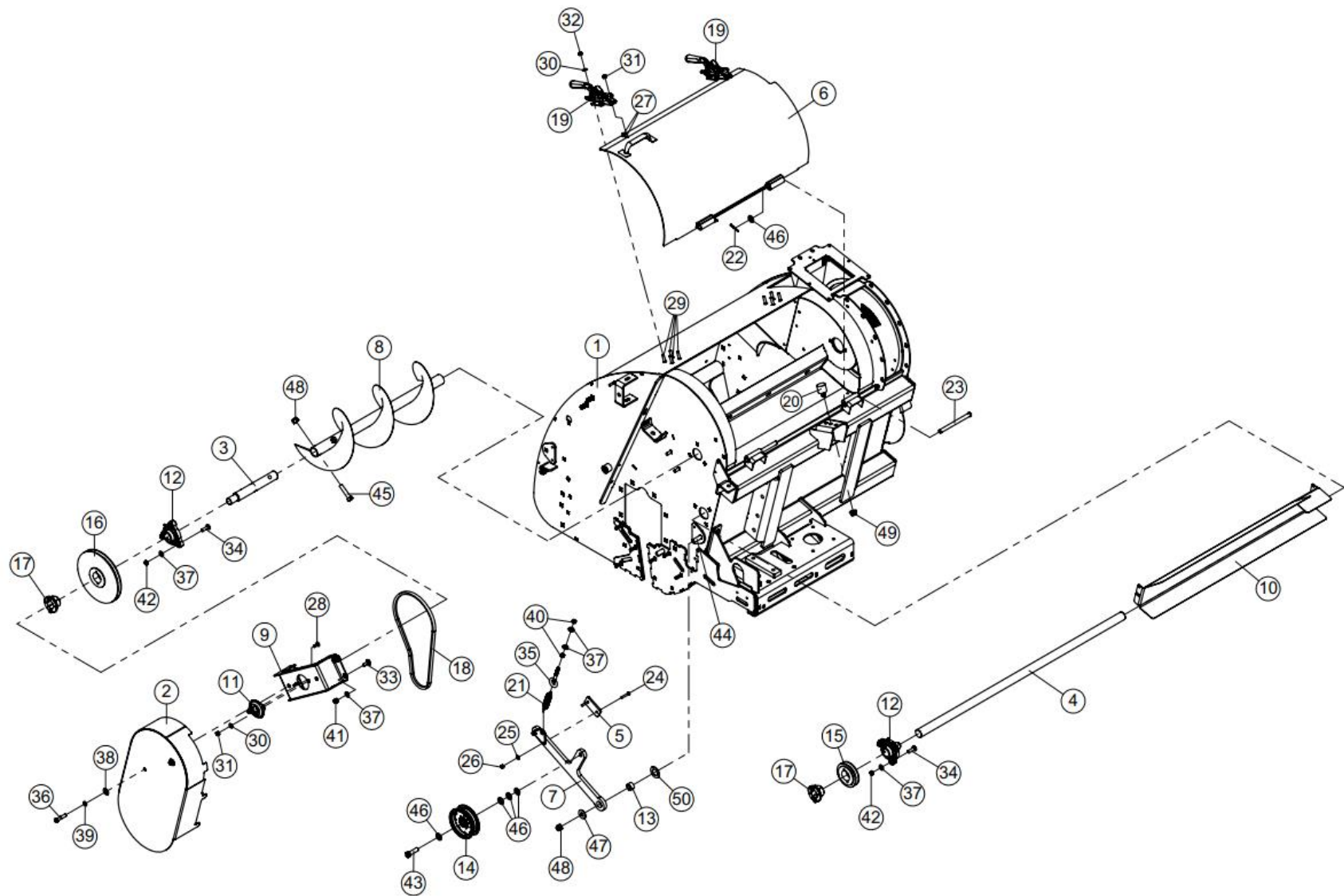
Key	Description
1	Assembly, 1" Bearing
2	Bearing, 1-1/4"
3	Bearing, 2"
4	Bearing, 1"
5	Insert, Red Spider
6	Belt, A37
7	Belt, A68
8	Belt, 63" 5VX Double Strand
9	Knife, Blower
10	Clip
11	Knife, Flail
12	Bolt, 5/8-11 x 1-3/4 Gr 5 Carriage
13	Washer, 5/8 SAE Hardened YZ Flat
14	Nut, 5/8-11 YZ Nylock
15	Bolt, 1/2-13 x 2 Gr 8 YZ Hex
16	Nut, 1/2-13 YZ Nylock

See parts pages for more details.

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Scale Arm Bundle – RC181093 (Optional)	77
Weight Rack Bundle – RC181231 (Optional)	79
Spare Parts Bundle – RC181218	81

Auger



Auger

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC181240	Cover, Left Belt	1	
3	RC081440	Shaft	1	
4	RC081681	Shaft, 1-1/4"	1	For 36A
	RC081439	Shaft, 1-1/4"	1	For 48A
5	RC181311	Spacer	1	
6	RC181287	Cover, 36A	1	For 36A
	RC181331	Cover, 48A	1	For 48A
7	RC181245	Tensioner, Left Side	1	
8	RC181288	Auger, 36A	1	For 36A
	RC181334	Auger, 48A	1	For 48A
9	RC181258	Bracket, Bearing	1	
10	RC181296	Cover, 36A Shaft	1	For 36A
	RC181338	Cover, 48A Shaft	1	For 48A
11	RC950206	Bearing, 1" x 2 Bolt Flangette	1	
12	RC950212	Bearing, 1-1/4" Bore w/ 3-Bolt Flange	2	
13	RC902469	Bushing, 1/2" ID x 1" OD x 5/8" Insert	1	
14	RC950215	Pulley, 4.75" Idler	1	
15	RC950216	Pulley, 1-Groove 3.75" O.D.	1	
16	RC950221	Pulley, 1-Groove 8.25" O.D.	1	
17	RC950222	Bushing, H 1-1/4" Bore	2	
18	RC950227	V-Belt, 39" A Single Strand	1	
19	RC950226	Clamp, Pull-Action Toggle 2,000 lbs	2	
20	RC902464	Bumper, 1/2-13 x 1-1/4 Red Poly	1	
21	RC950593	Spring, 4 x 1 O.D. Black Extension	1	
22	RC901685	Pin, 5/32 x 1 CZ Cotter	2	
23	RC902463	Pin, 1/2 x 6 Plain Clevis	2	
24	RC901589	Screw, 1/4-20 x 1-1/2 CZ Ph Flat Hd	2	
25	RC902696	Washer, 1/4 SAE YZ Hard Flat	2	
26	RC900575	Nut, 1/4-20 YZ Nylock	2	
27	RC902088	Bolt, 5/16-18 x 5/8 SN Carriage	4	
28	RC900393	Bolt, 5/16-18 x 3/4 CZ Carriage	2	
29	RC900383	Bolt, 5/16-18 x 1-1/4 Gr 5 CZ Carriage	8	
30	RC902162	Washer, 5/16 SAE YZ Hard Flat	10	
31	RC900579	Nut, 5/16-18 YZ Nylock	6	
32	RC902085	Nut, 5/16-18 YZ Nylock Jam	8	
33	RC900402	Bolt, 3/8-16 x 1 CZ Carriage	4	
34	RC900404	Bolt, 3/8-16 x 1-1/4 CZ Carriage	6	
35	RC902756	Bolt, 3/8-16 x 2-1/2 CZ Closed Eye	1	
36	RC900096	Bolt, 3/8-16 x 1-3/4 Gr 5 YZ Hex	2	
37	RC900677	Washer, 3/8 SAE YZ Hard Flat	10	
38	RC902699	Washer, 3/8 USS YZ Hard Flat	2	

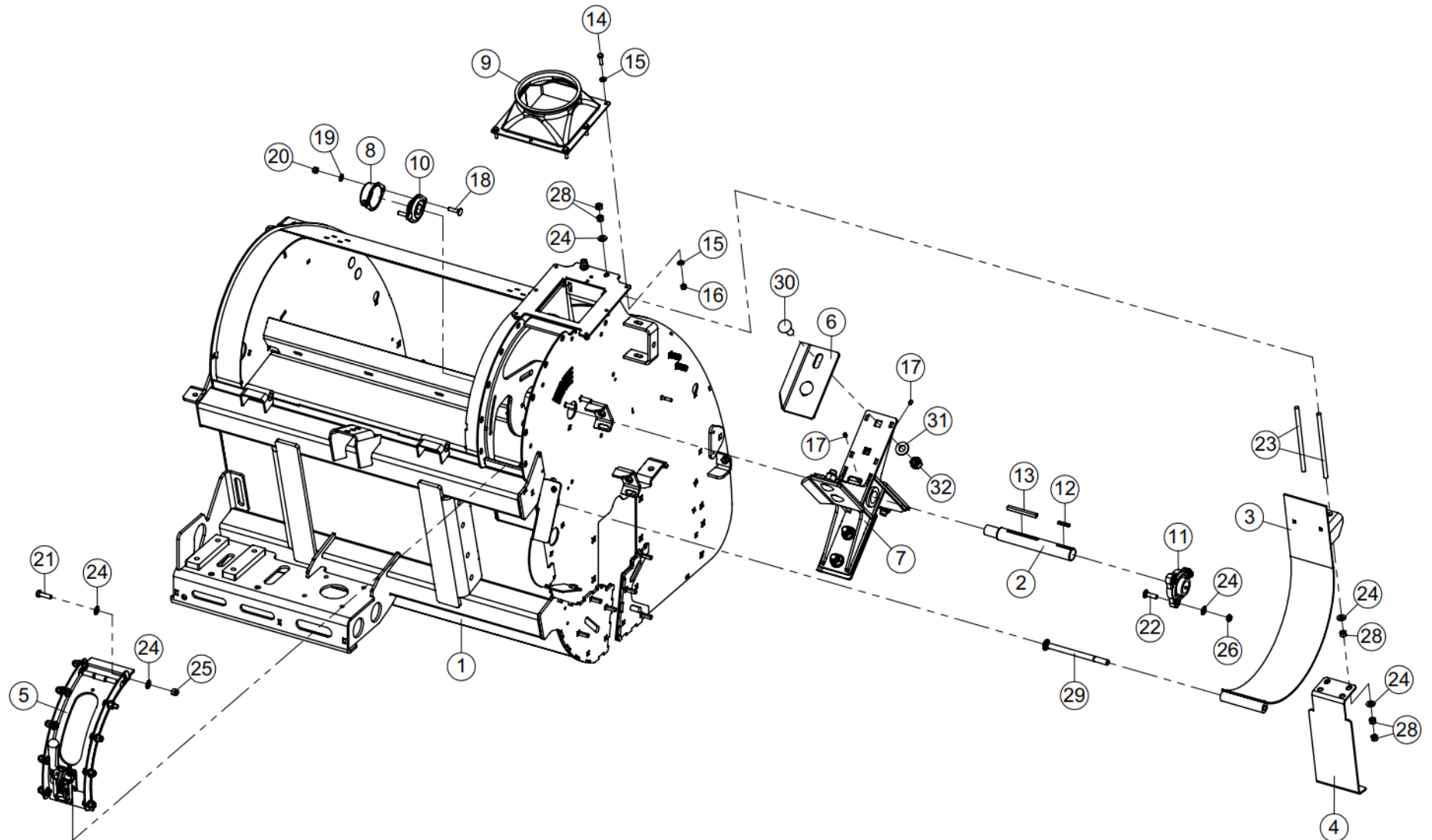
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Auger – Continued

Key	Part Number	Description	Qty	Comments
39	RC900728	Washer, 3/8 YZ Lock	2	
40	RC900607	Nut, 3/8-16 YZ Jam	2	
41	RC900583	Nut, 3/8-16 YZ Nylock	2	
42	RC902032	Nut, 3/8-16 YZ Nylock Jam	6	
43	RC900136	Bolt, 1/2-13 x 1 3/4 Gr 5 YZ Hex	1	
44	RC900431	Bolt, 1/2-13 x 2 Gr 5 CZ Carriage	1	
45	RC900139	Bolt, 1/2-13 x 2-1/4 Gr 5 YZ Hex	2	
46	RC900691	Washer, 1/2 SAE YZ Hard Flat	6	
47	RC900689	Washer, 1/2 USS YZ Hard Flat	1	
48	RC900588	Nut, 1/2-13 YZ Nylock	3	
49	RC900663	Nut, 1/2-13 YZ Serrated Flange	1	
50	RC902465	Washer, 1 UHMW	1	

Blower



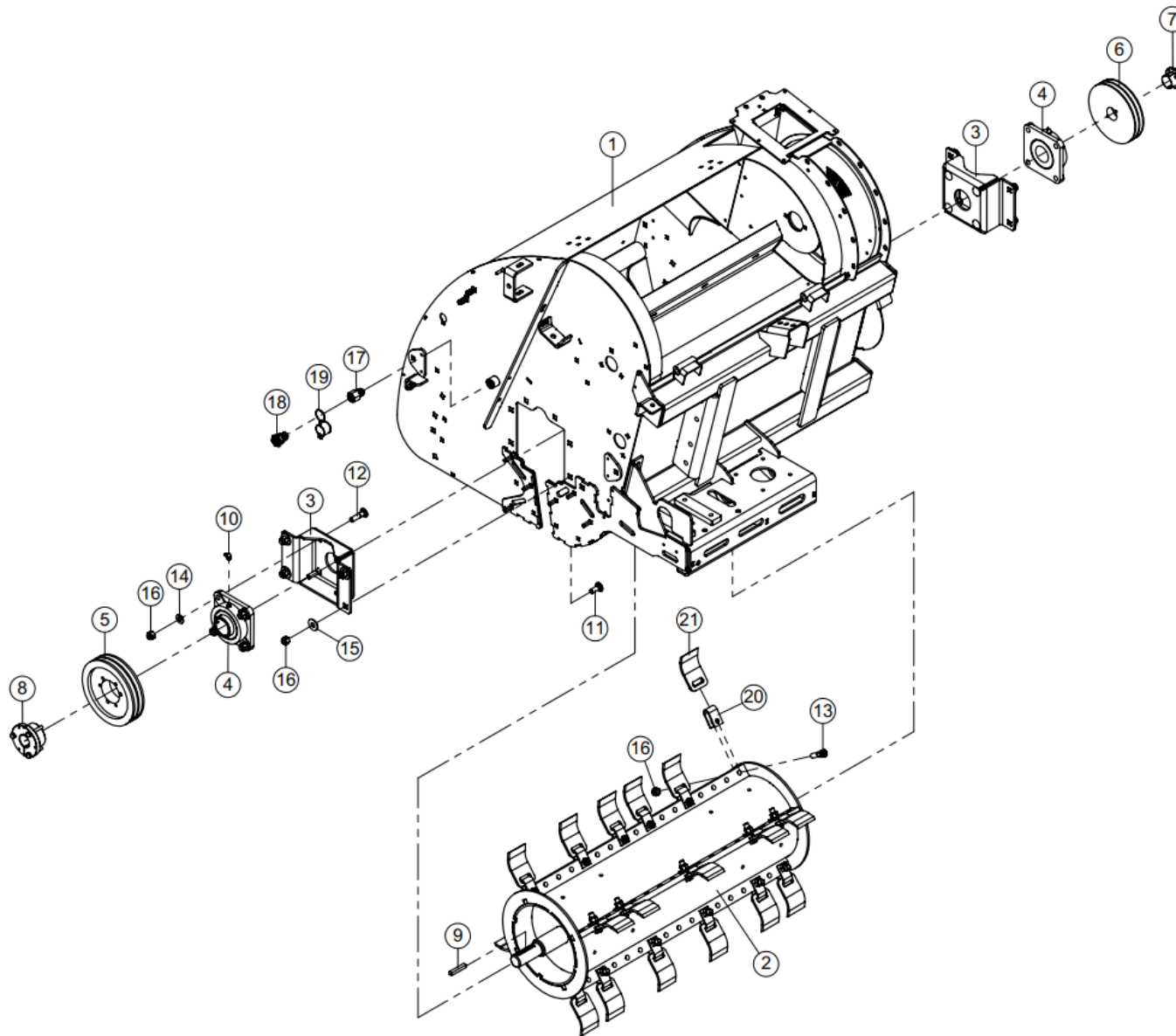
Blower

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC081438	Shaft	1	
3	RC181254	Band, Blower	1	
4	RC181259	Cover Plate	1	
5	RC181140	Assembly, Blower Door	1	
6	RC181426	Knife, 2-Bolt Blower	4	
7	RC181063	Rotor	1	
8	RC181304	Cover, Blower Shaft	1	
9	RC109503	Spout, 6" Blower	1	S/N 1096 - X
	RC181238	Weldment, Spout Adapter	1	S/N up to 1096
10	RC950206	Bearing, 1" x 2 Bolt Flangette	1	
11	RC950212	Bearing, 1-1/4" Bore w/ 3-Bolt Flange	1	
12	RC902647	Key, 3/16 x 1/4 x 1 1/4 CZ	1	
13	RC902568	Key, 5/16 x 5/16 x 3-1/4 CZ	1	
14	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	7	
15	RC902696	Washer, 1/4 SAE YZ Hard Flat	14	
16	RC900575	Nut, 1/4-20 YZ Nylock	7	
17	RC901901	Screw, 5/16-18 x 3/8 Set	4	
18	RC900383	Bolt, 5/16-18 x 1-1/4 Gr 5 CZ Carriage	2	
19	RC902162	Washer, 5/16 SAE YZ Hard Flat	2	
20	RC900579	Nut, 5/16-18 YZ Nylock	2	
21	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	4	
22	RC900404	Bolt, 3/8-16 x 1-1/4 CZ Carriage	3	
23	RC901588	Rod, 3/8-16 x 8 CZ Threaded	2	
24	RC900677	Washer, 3/8 SAE YZ Hard Flat	29	
25	RC900583	Nut, 3/8-16 YZ Nylock	10	
26	RC902032	Nut, 3/8-16 YZ Nylock Jam	3	
27	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	6	
28	RC900524	Nut, 3/8-16 YZ Hex	10	
29	RC901360	Bolt, 1/2-13 x 7 Gr 5 CZ Carriage	1	
30	RC901362	Bolt, 5/8-11 x 1-3/4 Gr 5 CZ Carriage	8	
31	RC900694	Washer, 5/8 SAE YZ Hard Flat	8	
32	RC900593	Nut, 5/8-11 YZ Nylock	8	

RC081832 - Lower Blower Band - Weld-in part



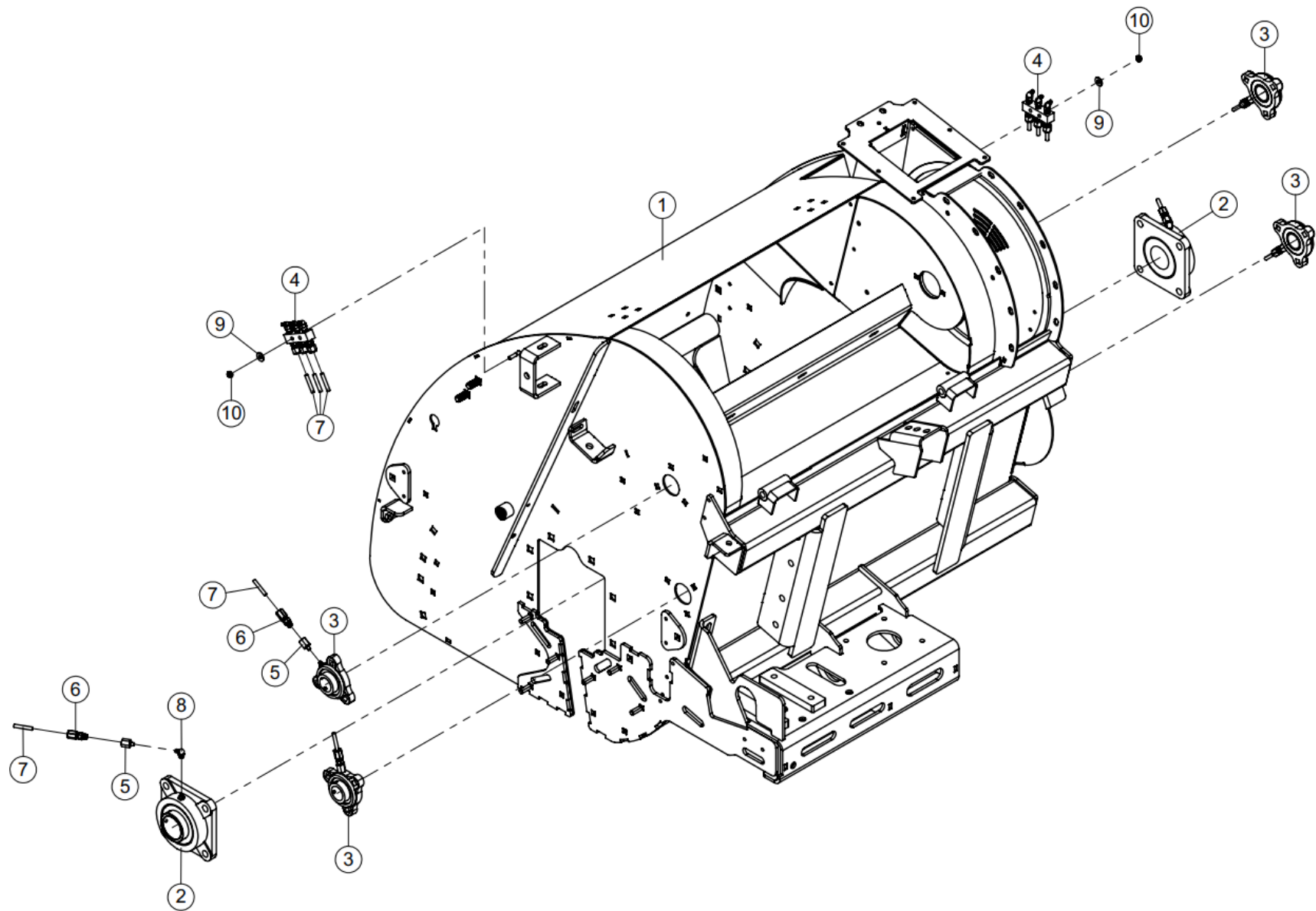
Flail



Flail

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC081547	Weldment, 36A Flail	1	
	RC081002	Weldment, 48A Rotor	1	
3	RC181241	Mount, Bearing	2	
4	RC950209	Bearing, 2" Bore w/ 4-Bolt Flange	2	
5	RC950103	Pulley, 2-Groove 5V 8" O.D.	1	
6	RC950219	Pulley, 2-Groove 7.25" O.D.	1	
7	RC950223	Bushing, H 1-1/2" Bore	1	
8	RC950104	Bushing, SK 1-1/2" Bore	1	
9	RC902751	Key, 3/8 x 3/8 x 2-1/4 CZ	1	
10	RC901754	Zerk, 1/8-27 MPT 90° Grease	2	
11	RC900426	Bolt, 1/2-13 x 1-1/4 Gr 5 CZ Carriage	8	
12	RC901840	Bolt, 1/2-13 x 2 CZ SN Carriage	8	
13	RC901364	Bolt, 1/2-13 x 2 Gr 8 YZ Hex	22	For 36A
	RC901364	Bolt, 1/2-13 x 2 Gr 8 YZ Hex	34	For 48A
14	RC900691	Washer, 1/2 SAE YZ Hard Flat	8	
15	RC900689	Washer, 1/2 USS YZ Hard Flat	8	
16	RC900588	Nut, 1/2-13 YZ Nylock	38	For 36A
	RC900588	Nut, 1/2-13 YZ Nylock	50	For 48A
17	RC703124	Orifice, -08 MPT x -08 FPT x .125" Brass	1	
18	RC703126	Adapter, 1/2" MPT x 3/4" GHT Female Swivel	1	
19	RC703137	Cap, 1-1/4" Tethered Round	1	
20	RC081020	Clip	22	For 36A
	RC081020	Clip	34	For 48A
21	RC081822	Knife, Flail	22	For 36A
	RC081822	Knife, Flail	34	For 48A

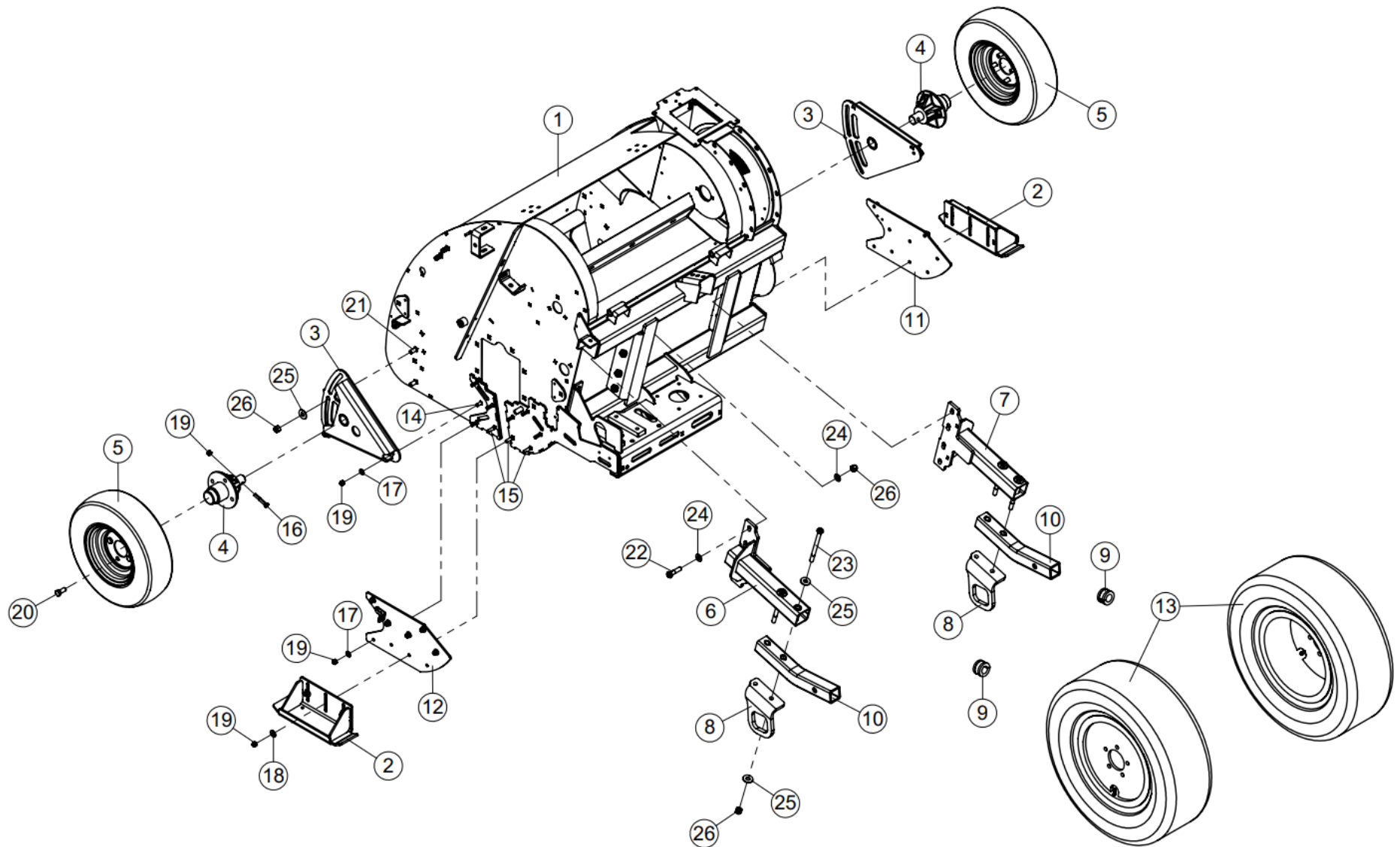
Grease Kit



Grease Kit

Key	Part Number	Description	Qty	Comments
1	RC181250	Weldment, 36A PTO Drive Head	1	
	RC181326	Weldment, 48A PTO Drive Head	1	
2	RC950209	Bearing, 2" Bore w/ 4-Bolt Flange	2	
3	RC950212	Bearing, 1-1/4" Bore w/ 3-Bolt Flange	4	
4	RC702845	Block, 3 Grease	2	
5	RC702705	Adapter, 1/4-28 Taper Male x 1/8 NPTF Fem Str	6	
6	RC702704	Adapter, Straight 1/4" Tube to 1/8"-27 MPT	6	
7	RC702703	1/4" tubing, .054" wall, 800psi max	6	
8	RC901754	Zerk, 1/8-27 MPT 90° Grease	2	
9	RC902697	Washer, 1/4 USS YZ Hard Flat	2	
10	RC902083	Nut, 1/4-20 YZ Nylock Jam	2	

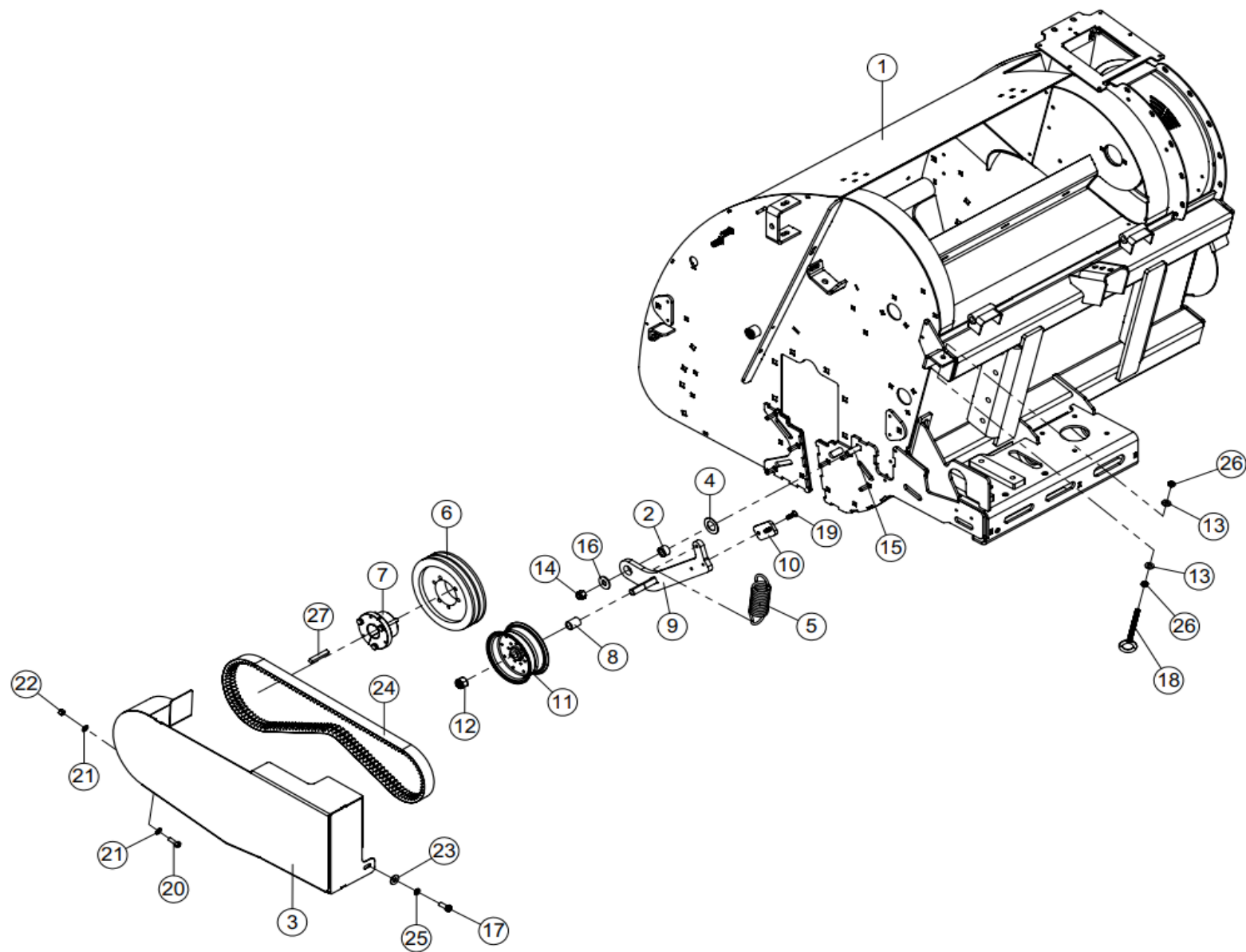
Mounting and Wheels



Mounting and Wheels

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC181246	Shoe, Skid	2	
3	RC181248	Support, Wheel	2	
4	RC081352	Spindle, Wheel, Assembly	2	
5	RC024345	Assembly, Tire and Wheel	2	
6	RC181297	Weldment, LH Mount	1	
7	RC181298	Weldment, RH Mount	1	
8	RC181299	Mount, Tie Down	2	
9	RC950236	Kit, Stroke Control Block	2	
10	RC181301	Arm, Lower Lift	2	
11	RC181305	Plate, Reinforcement	1	
12	RC181306	Plate, LH Reinforcement	1	
13	RC081709	Assembly, Narrow Tire and Rim	2	Only used on 36A
14	RC900402	Bolt, 3/8-16 x 1 CZ Carriage	2	
15	RC901737	Bolt, 3/8-16 x 1-3/4 Gr 5 CZ Carriage	6	
16	RC901876	Bolt, 3/8-16 x 2-1/4 Gr 8 YZ Hex	2	
17	RC900677	Washer, 3/8 SAE YZ Hard Flat	14	
18	RC902699	Washer, 3/8 USS YZ Hard Flat	6	
19	RC900583	Nut, 3/8-16 YZ Nylock	22	
20	RC901367	Bolt, 1/2-20 x 1 YZ Wheel	8	
21	RC900426	Bolt, 1/2-13 x 1-1/4 Gr 5 CZ Carriage	4	
22	RC901364	Bolt, 1/2-13 x 2 Gr 8 YZ Hex	8	
23	RC900286	Bolt, 1/2-13 x 6 Gr 8 YZ Hex	4	
24	RC900691	Washer, 1/2 SAE YZ Hard Flat	16	
25	RC900689	Washer, 1/2 USS YZ Hard Flat	12	
26	RC900588	Nut, 1/2-13 YZ Nylock	16	

PTO Belt Drive

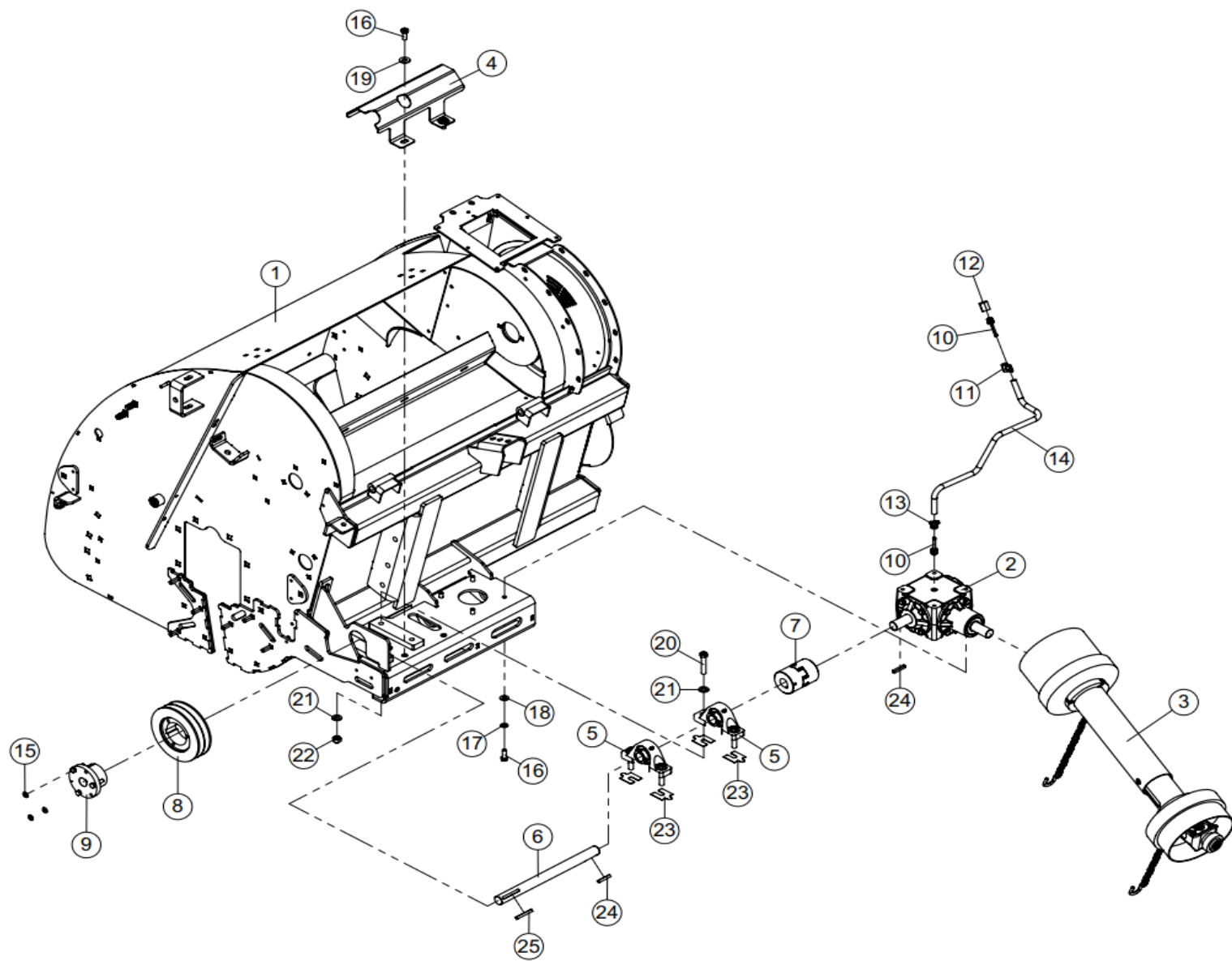


PTO Belt Drive

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC902469	Bushing, 1/2" ID x 1" OD x 5/8" Insert	1	
3	RC181255	Weldment, Side Belt Cover	1	
4	RC902465	Washer, 1" UHMW	1	
5	RC081677	Spring, Idler Extension	1	
6	RC950103	Pulley, 8" O.D. 2-Groove 5V	1	S/N 1096 - X
	RC081664	Pulley, 8.28" O.D. 2-Groove 5V	1	S/N up to 1096
7	RC950104	Bushing, SK 1.5" Bore	1	
8	RC181187	Spacer, Idler	1	S/N 1096 - X
	RC081682	Spacer, Idler	1	S/N up to 1096
9	RC181308	Weldment, Idler Arm	1	S/N 1096 - X
	RC181120	Support, Idler	1	S/N up to 1096
10	RC181165	Spacer, UHMW	1	S/N 1096 - X
	RC081683	Spacer, UHMW	1	S/N up to 1096
11	RC950225	Pulley, 5.75" Idler	1	
12	RC900593	Nut, 5/8-11 YZ Nylock	1	
13	RC900677	Washer, 3/8 SAE YZ Hard Flat	2	
14	RC900588	Nut, 1/2-13 YZ Nylock	1	
15	RC900431	Bolt, 1/2-13 x 2 CZ Carriage	1	
16	RC900689	Washer, 1/2 USS YZ Hard Flat	1	
17	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	1	
18	RC902359	Eye Bolt, 3/8-16 x 4-1/2	1	
19	RC901954	Screw, 5/16-18 x 1 FH Cap	2	S/N 1096 - X
	RC902087	Screw, 1/4-20 x 1-1/4 FH Cap	2	S/N up to 1096
20	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	1	
21	RC902162	Washer, 5/16 SAE YZ Hard Flat	2	
22	RC900579	Nut, 5/16-18 YZ Nylock	1	
23	RC902699	Washer, 3/8 USS YZ Hard Flat	1	
24	RC950105	Belt, 63" 5VX Double Strand	1	S/N 1096 - X
	RC181045	Belt, 64" 5VX	2	S/N up to 1096
25	RC900728	Washer, 3/8 YZ Lock	1	
26	RC900607	Nut, 3/8-16 YZ Jam	2	
27	RC902751	Key, 3/8 x 3/8 x 2-1/4 CZ	1	

*** Always check numbers on existing belt against description before ordering.**

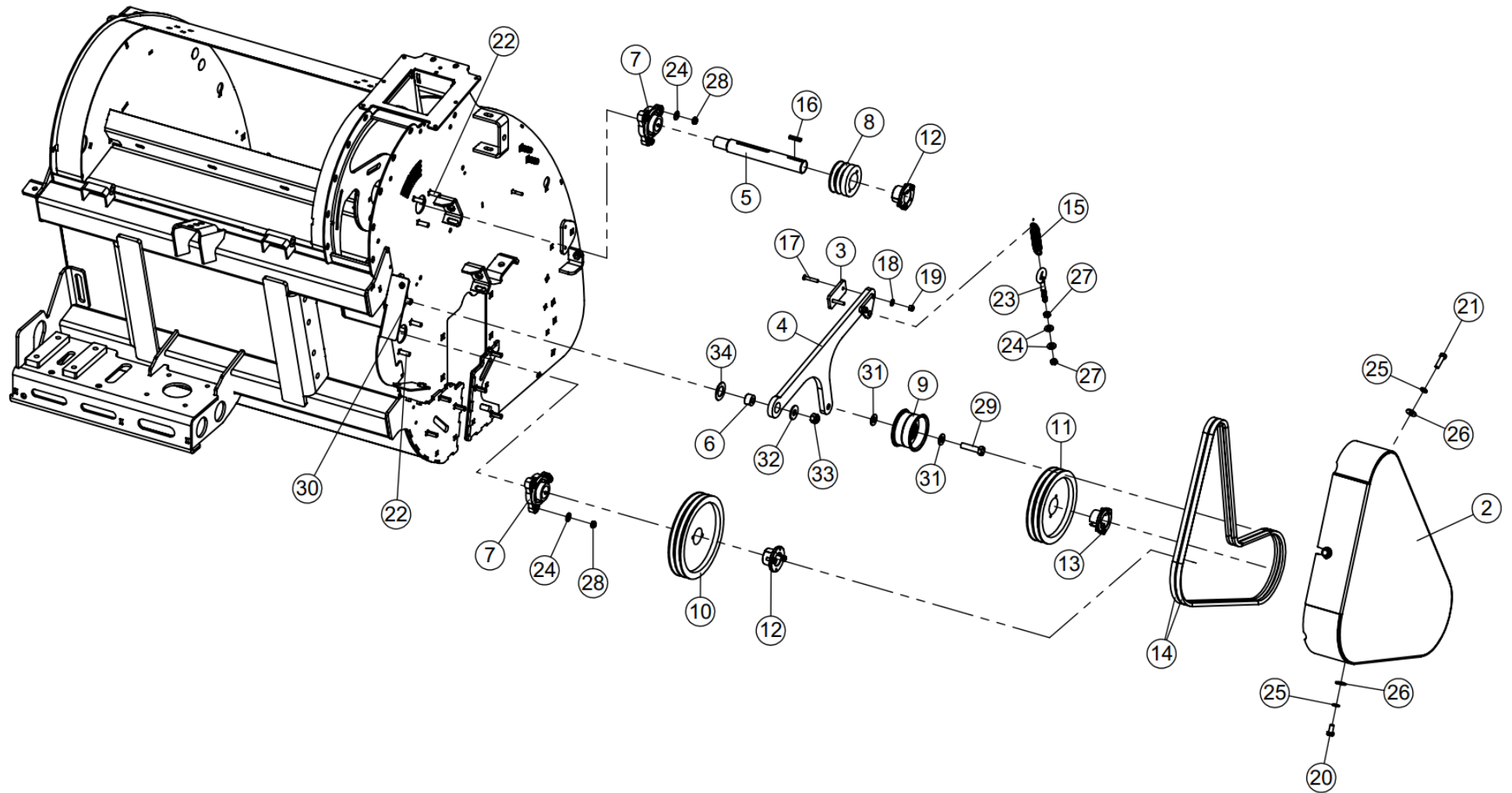
PTO Drive



PTO Drive

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC081661	Box, 1:1 90° Gear	1	
3	RC081940	PTO Shaft Assembly	1	
4	RC181252	Cover, 36A Gearbox Shaft	1	For 36A
	RC181329	Cover, 48A Gearbox Shaft	1	For 48A
5	RC950203	Bearing, 1" Pillow Block	2	
6	RC081671	Shaft, 1"	1	For 36A
	RC081880	Shaft, 1"	1	For 48A
7	RC081673	Assembly, Coupler	1	
	RC950583	Hub, 1" 4 Jaw Machined Coupler	2	
	RC950229	Insert, Red Spider	1	
	RC901901	Screw, 5/16-18 x 3/8 Socket Set	2	
8	RC950220	Pulley, 2-Groove 6.28" O.D.	1	
9	RC950224	Bushing, B 1" Bore	1	
10	RC701914	Adapter, 1/4" Hose	2	
11	RC902467	P-Clamp, 1/2	1	
12	RC081890	Breather	1	
13	RC902468	Clamp, 5/16 - 7/8 SS Worm Drive	1	
14	RC081888	Hose, 1/4 ID 50 psi Oil/Fuel	1	
15	RC900726	Washer, 5/16 YZ Lock	3	
16	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	6	
17	RC900728	Washer, 3/8 YZ Lock	4	
18	RC900677	Washer, 3/8 SAE YZ Hard Flat	4	
19	RC902699	Washer, 3/8 USS YZ Hard Flat	2	
20	RC900278	Bolt, 7/16-14 x 2-1/4 Gr 8 YZ Hex	4	
21	RC900685	Washer, 7/16 SAE YZ Hard Flat	8	
22	RC900557	Nut, 7/16-14 YZ Top Lock	4	
23	RC902423	Shim, 1-1/2 x 7/16 x .01 SS Slotted	AR	
24	RC901819	Key, 1/4 x 1/4 x 1-1/2 CZ	2	
25	RC902093	Key, 1/4 x 1/4 x 2 CZ	1	

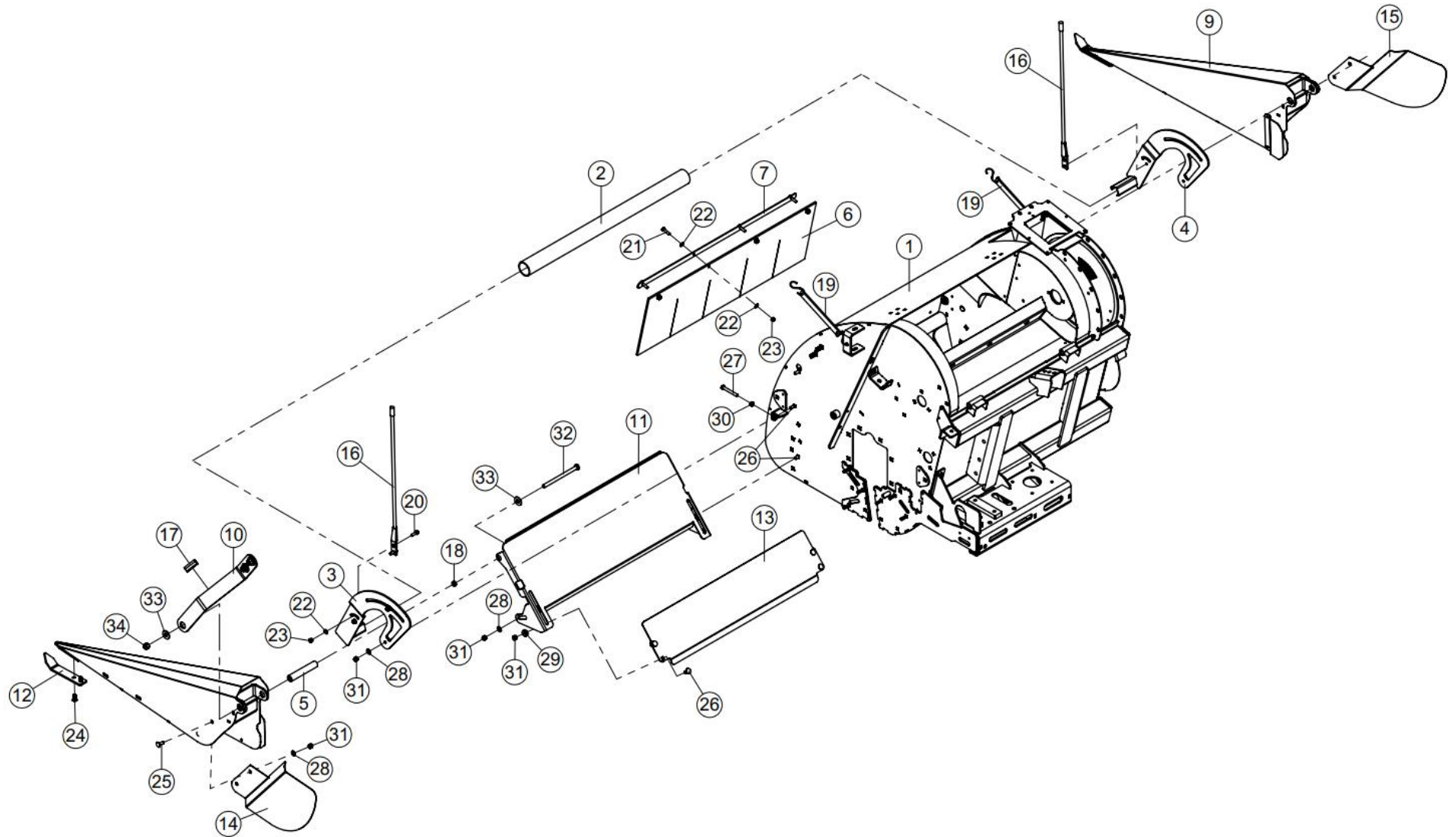
Right Side Drive



Right Side Drive

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC181239	Cover, RH Belt	1	
3	RC181311	Spacer	1	
4	RC181247	Tensioner, Right Side	1	
5	RC081438	Shaft	1	
6	RC902469	Bushing, 1/2" ID x 1" OD x 5/8" Insert	1	
7	RC950212	Bearing, 1-1/4" Bore w/ 3-Bolt Flange	2	
8	RC950217	Pulley, 2-Groove 3.05" O.D.	1	
9	RC950126	Pulley, 3.625" Idler	1	
10	RC950218	Pulley, 2-Groove 8.25" O.D.	1	
11	RC950219	Pulley, 2-Groove 7.25" O.D.	1	
12	RC950222	Bushing, H 1-1/4" Bore	2	
13	RC950223	Bushing, H 1-1/2" Bore	1	
14	RC950228	V-Belt, 70" A Single Strand	2	
15	RC950593	Spring, 4 x 1 O.D. Black Extension	1	
16	RC902647	Key, 3/16 x 1/4 x 1 1/4 CZ	1	
17	RC901589	Screw, 1/4-20 x 1-1/2 CZ Ph Flat Hd	2	
18	RC902696	Washer, 1/4 SAE YZ Hard Flat	2	
19	RC900575	Nut, 1/4-20 YZ Nylock	2	
20	RC900119	Bolt, 3/8-16 x 3/4 Gr 5 YZ Hex	2	
21	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	2	
22	RC900404	Bolt, 3/8-16 x 1-1/4 CZ Carriage	6	
23	RC902756	Bolt, 3/8-16 x 2-1/2 CZ Closed Eye	1	
24	RC900677	Washer, 3/8 SAE YZ Hard Flat	8	
25	RC900728	Washer, 3/8 YZ Lock	4	
26	RC902699	Washer, 3/8 USS YZ Hard Flat	4	
27	RC900607	Nut, 3/8-16 YZ Jam	2	
28	RC902032	Nut, 3/8-16 YZ Nylock Jam	6	
29	RC900137	Bolt, 1/2-13 x 2 Gr 5 YZ Hex	1	
30	RC901360	Bolt, 1/2-13 x 7 Gr 5 CZ Carriage	1	
31	RC900691	Washer, 1/2 SAE YZ Hard Flat	2	
32	RC900689	Washer, 1/2 USS YZ Hard Flat	1	
33	RC900588	Nut, 1/2-13 YZ Nylock	1	
34	RC902465	Washer, 1 UHMW	1	

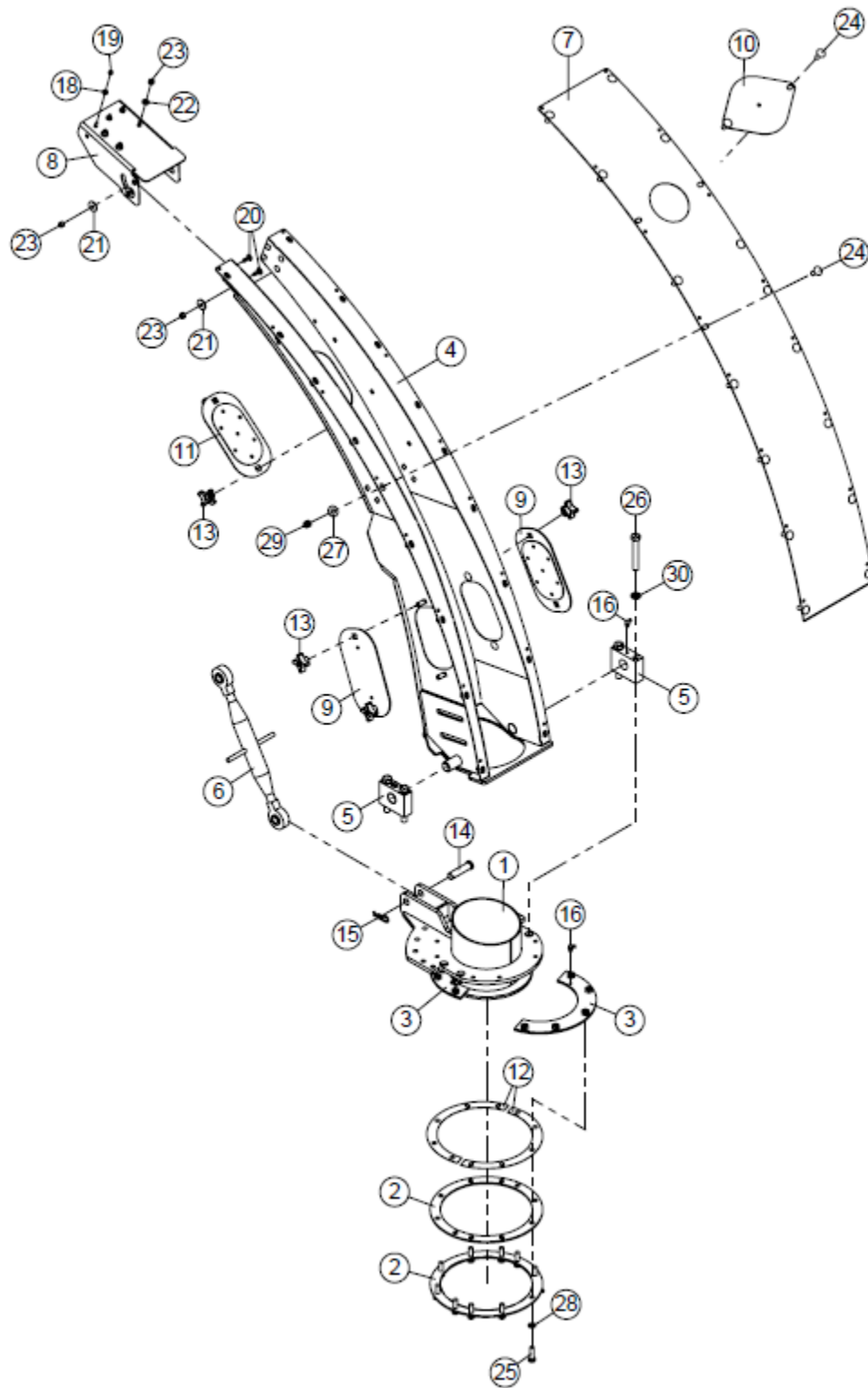
Snouts and Flail Shields



Snouts and Flail Shields

Key	Part Number	Description	Qty	Comments
1	RC181250	Frame, 36A PTO Drive Head	1	
	RC181326	Frame, 48A PTO Drive Head	1	
2	RC181243	Pipe, 2" PVC	1	For 36A
	RC181353	Pipe, 2" PVC	1	For 48A
3	RC181249	Arm, Roller, Left	1	
4	RC181251	Arm, Roller, Right	1	
5	RC181253	Bushing	2	
6	RC081837	Skirt, 36" Deflector	1	For 36A
	RC081840	Skirt, 48" Deflector	1	For 48A
7	RC181286	Bar	1	For 36A
	RC181323	Bar	1	For 48A
8	RC181289	Snout, Left	1	
9	RC181290	Snout, Right	1	
10	RC181291	Strap	2	
11	RC181292	Pan, 36"	1	For 36A
	RC181336	Pan, 48"	1	For 48A
12	RC181295	Ski, Snout	2	
13	RC181300	Extension, 36" Lower Pan	1	For 36A
	RC181337	Extension, 48" Lower Pan	1	For 48A
14	RC181302	Guard, LH Wheel	1	
15	RC181303	Guard, RH Wheel	1	
16	RC950585	Rod, Guide	2	
17	RC181408	Trim, Snout Edge	2	
18	RC902466	Bushing, 1/2" ID x 3/4" OD x 1/4" Insert	2	
19	RC901590	Strap, 14 x 22 Rubber Bungee	1	
20	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	4	
21	RC900064	Bolt, 5/16-18 x 1-1/4 Gr5 YZ Hex	4	
22	RC902162	Washer, 5/16 SAE YZ Hard Flat	12	
23	RC900579	Nut, 5/16-18 YZ Nylock	8	
24	RC902014	Screw, 3/8-16 x 1 CZ FH Socket	4	
25	RC901625	Bolt, 3/8-16 x 1 CZ SN Carriage	4	
26	RC900402	Bolt, 3/8-16 x 1 CZ Carriage	10	
27	RC900105	Bolt, 3/8-16 x 3 Gr 8 YZ Hex Tap	2	
28	RC900677	Washer, 3/8 SAE YZ Hard Flat	10	
29	RC902699	Washer, 3/8 USS YZ Hard Flat	4	
30	RC900524	Nut, 3/8-16 YZ Hex	2	
31	RC900583	Nut, 3/8-16 YZ Nylock	14	
32	RC900156	Bolt, 1/2-13 x 7 Gr 5 YZ Hex	2	
33	RC900689	Washer, 1/2 USS YZ Hard Flat	8	
34	RC900588	Nut, 1/2-13 YZ Nylock	6	

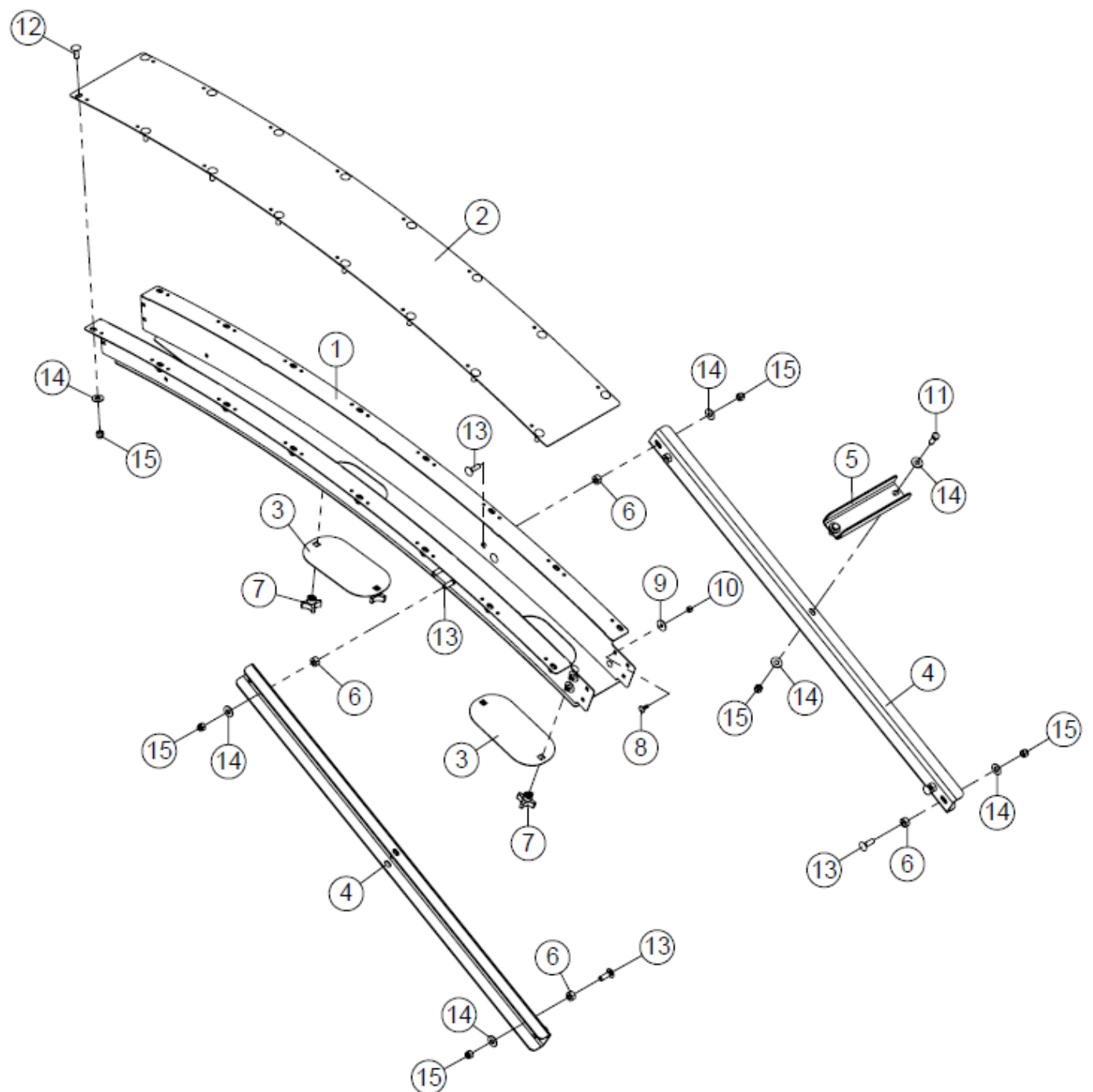
Pivoting Spout



Pivoting Spout

Key	Part Number	Description	Qty	Comments
1	RC109480	Pivot, Spout	1	
2	RC109481	Ring, Spacer	2	
3	RC109482	Ring, Top	2	
4	RC109483	Frame, Pivoting Spout	1	
5	RC109484	Block, Pivot	2	
6	RC950082	Link, Top Cat 0	1	
7	RC109485	Back, NIR Spout	1	
8	RC109486	Cap, Spout	1	
9	RC109487	Cover, Spout Access	2	
10	RC109488	Cover, NIR Hole	1	
11	RC109489	Cover, Spout Cleanout	1	
12	RC109456	Shim, Spout	2	
13	RC902100	Knob, 3/8-16 Threaded 4 Arm	6	
14	RC902150	Pin, 5/8 x 2-1/2 CZ Clevis	2	
15	RC902250	Hairpin, 1/8 x 1-15/16	2	
16	RC901751	Zerk, 1/4-28 90° Grease	6	
17	RC901997	Bolt, #10-24 x 5/8 CZ Carriage	3	
18	RC900667	Washer, #10 YZ Flat	3	
19	RC902420	Nut, #10-24 YZ Nylock	3	
20	RC902039	Bolt, 1/4-20 x 3/4 CZ SN Carriage	11	
21	RC902415	Washer, 1/4 CZ Fender (1" O.D.)	8	
22	RC902696	Washer, 1/4 SAE YZ Hard Flat	3	
23	RC900575	Nut, 1/4-20 YZ Nylock	11	
24	RC901625	Bolt, 3/8-16 x 1 CZ SN Carriage	18	
25	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	10	
26	RC900146	Bolt, 1/2-13 x 3-1/2 Gr 5 YZ Hex	4	
27	RC902699	Washer, 3/8 USS YZ Hard Flat	18	
28	RC900728	Washer, 3/8 YZ Lock	10	
29	RC900583	Nut, 3/8-16 YZ Nylock	18	
30	RC900731	Washer, 1/2 YZ Lock	4	

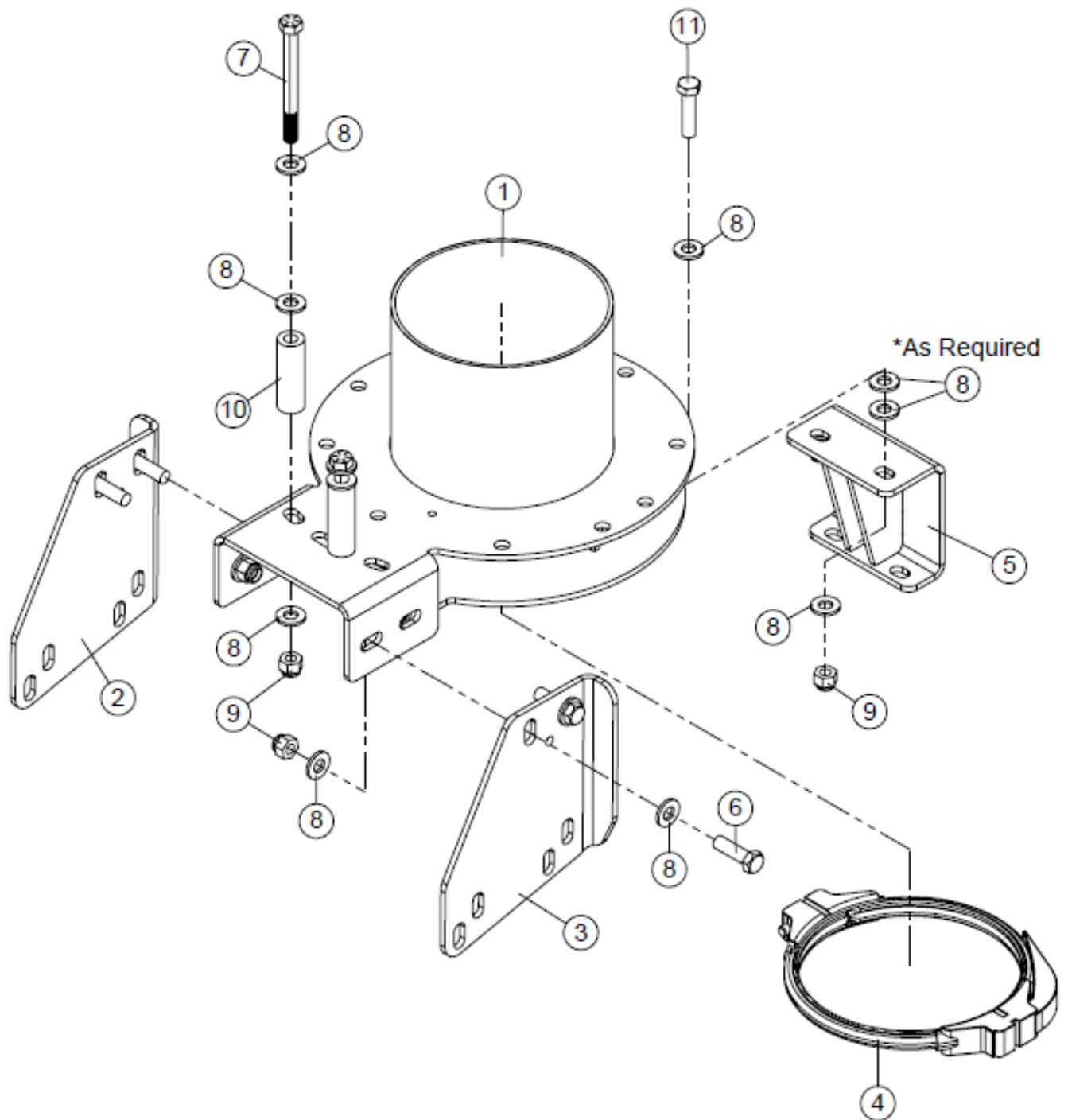
Spout Extension



Spout Extension

Key	Part Number	Description	Qty	Comments
1	RC109490	Extension, Spout	1	
2	RC109491	Back, Extension Spout	1	
3	RC109492	Plate, Extension Spout Cleanout	2	
4	RC109493	Brace, Extension	2	
5	RC109494	Brace, Extension Cross	1	
6	RC109495	Spacer, Chamfered	8	
7	RC902100	Knob, 3/8-16, PP	4	
8	RC902039	Bolt, 1/4-20 x 3/4 CZ SN Carriage	4	
9	RC902415	Washer, 1/4 CZ Fender (1" O.D.)	4	
10	RC900575	Nut, 1/4-20 YZ Nylock	4	
11	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	2	
12	RC901625	Bolt, 3/8-16 x 1 CZ SN Carriage	16	
13	RC901993	Bolt, 3/8-16 x 1-1/4 CZ SN Carriage	8	
14	RC902699	Washer, 3/8 USS YZ Hard Flat	28	
15	RC900583	Nut, 3/8-16 YZ Nylock	26	

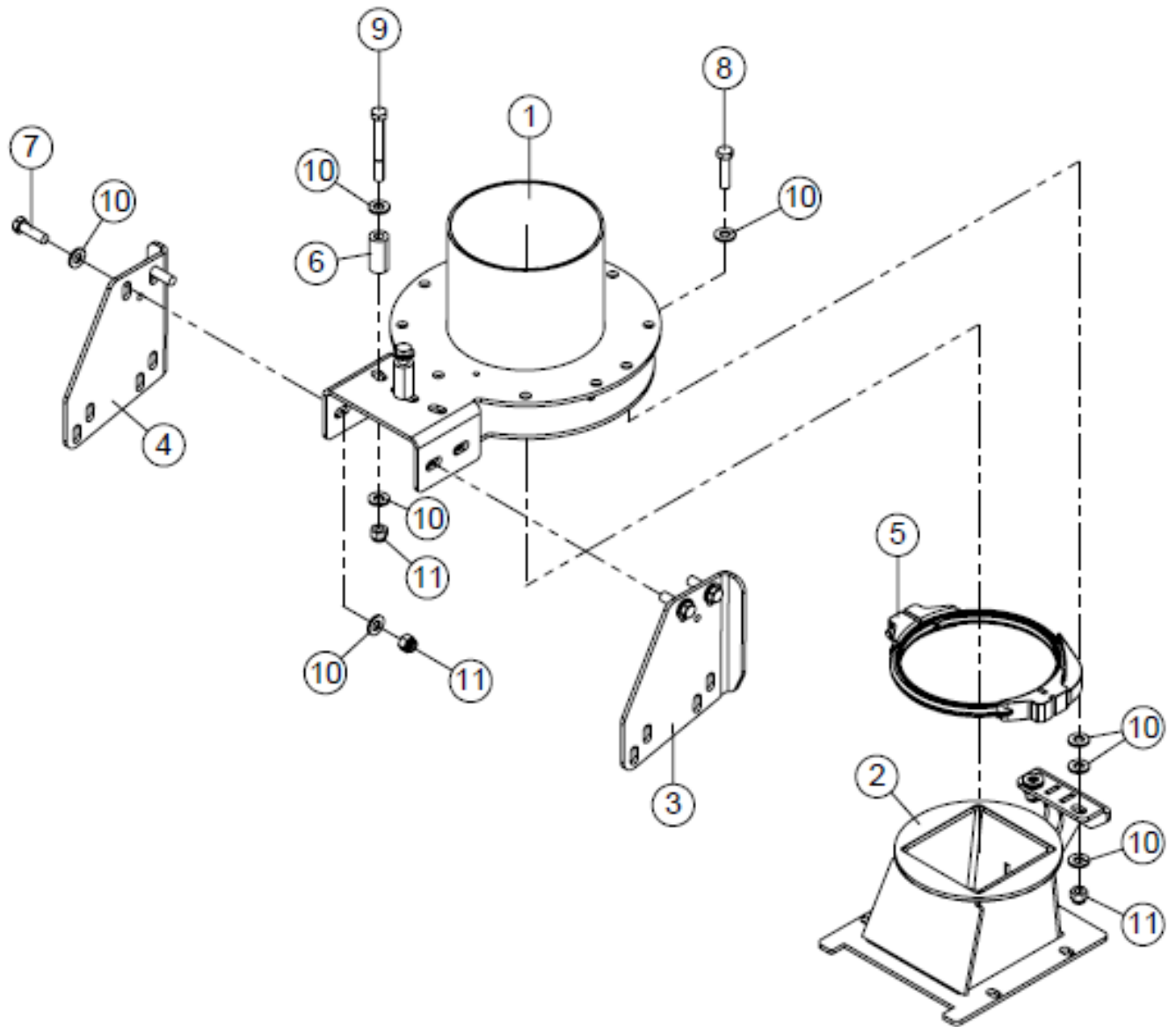
Pivoting Spout Completion Bundle



Pivoting Spout Completion Bundle

Key	Part Number	Description	Qty	Comments
1	RC181234	Adapter, Pivoting Spout	1	
2	RC181235	Plate, LH Mounting	1	
3	RC181236	Plate, RH Mounting	1	
4	RC950059	Ring, 6" Dia. Quick Connect Pull	1	
5	RC181237	Bracket, Spout Reinforcement	1	S/N 1096 - X
6	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	6	
7	RC901640	Bolt, 3/8-16 x 3 Gr 8 YZ Hex	2	S/N up to 1096
	RC902391	Bolt, 3/8-16 x 3-3/4 Gr 8 YZ Hex	2	S/N 1096 - X
8	RC900677	Washer, 3/8 SAE YZ Hard Flat	20	S/N up to 1096
	RC900677	Washer, 3/8 SAE YZ Hard Flat	22	S/N 1096 - X; 2 are used to fill spacer gap
9	RC900583	Nut, 3/8-16 YZ Nylock	8	
10	RC902379	Spacer, .380" ID x 3/4" OD x 1-1/2" CZ	2	S/N up to 1096
	RC902443	Spacer, .380" ID x 3/4" OD x 2-1/4" CZ	2	S/N 1096 - X
11	RC900093	Bolt, 3/8 x 1-1/2 Gr 5 YZ Hex	2	

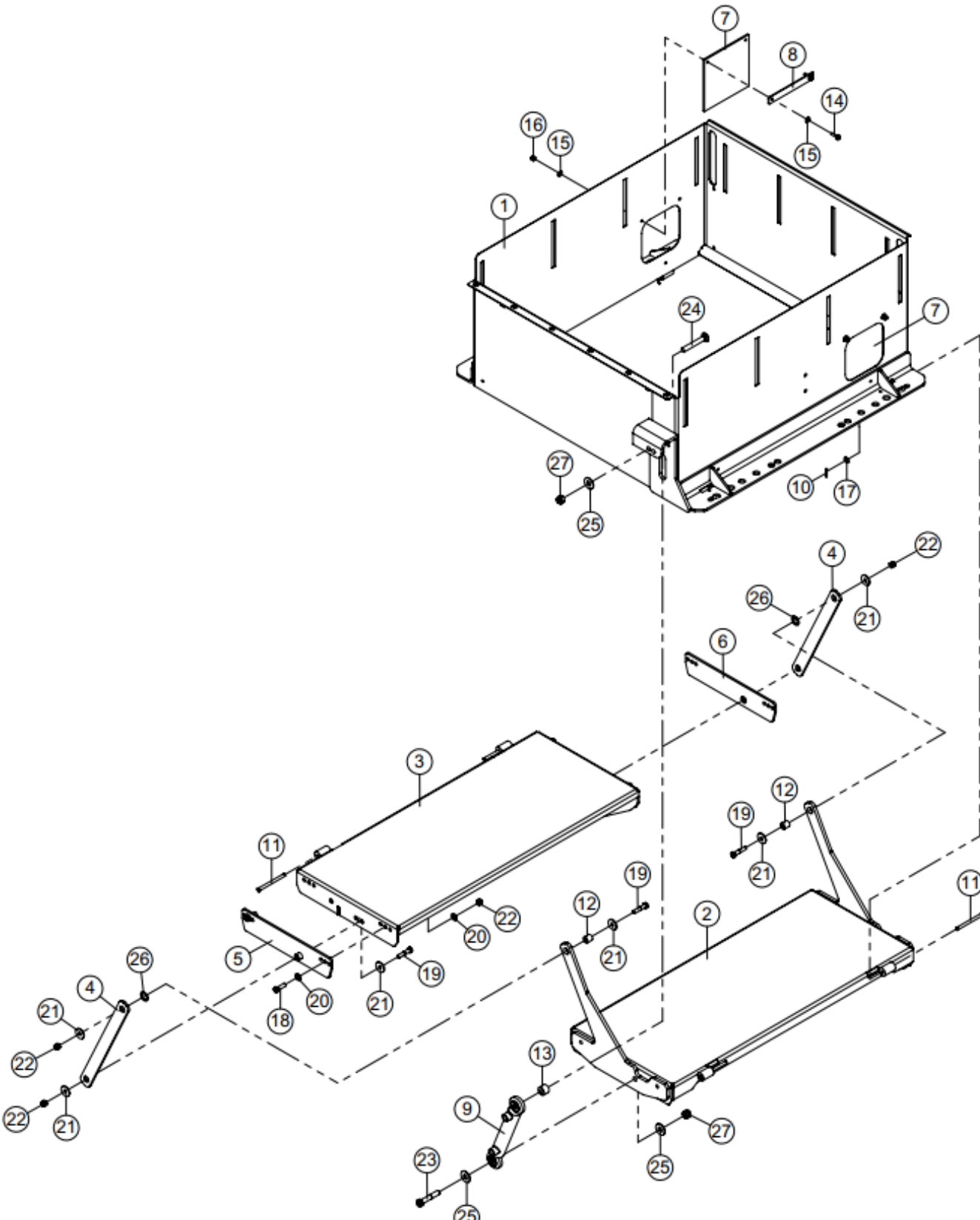
Square Adapter Completion Bundle



Square Adapter Completion Bundle

Key	Part Number	Description	Qty	Comments
1	RC181234	Adapter, Pivoting Spout	1	
2	RC181238	Adapter, Pivoting Spout Square Base	1	
3	RC181236	Plate, RH Mounting	1	
4	RC181235	Plate, LH Mounting	1	
5	RC950059	Ring, 6" Dia. Quick Connect Pull	1	
6	RC902379	Spacer, .380" ID x 3/4" OD x 1-1/2" CZ	2	
7	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	4	
8	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	2	
9	RC901640	Bolt, 3/8-16 x 3 Gr 8 YZ Hex	2	
10	RC900677	Washer, 3/8 SAE YZ Hard Flat	20	
11	RC900583	Nut, 3/8-16 YZ Nylock	8	

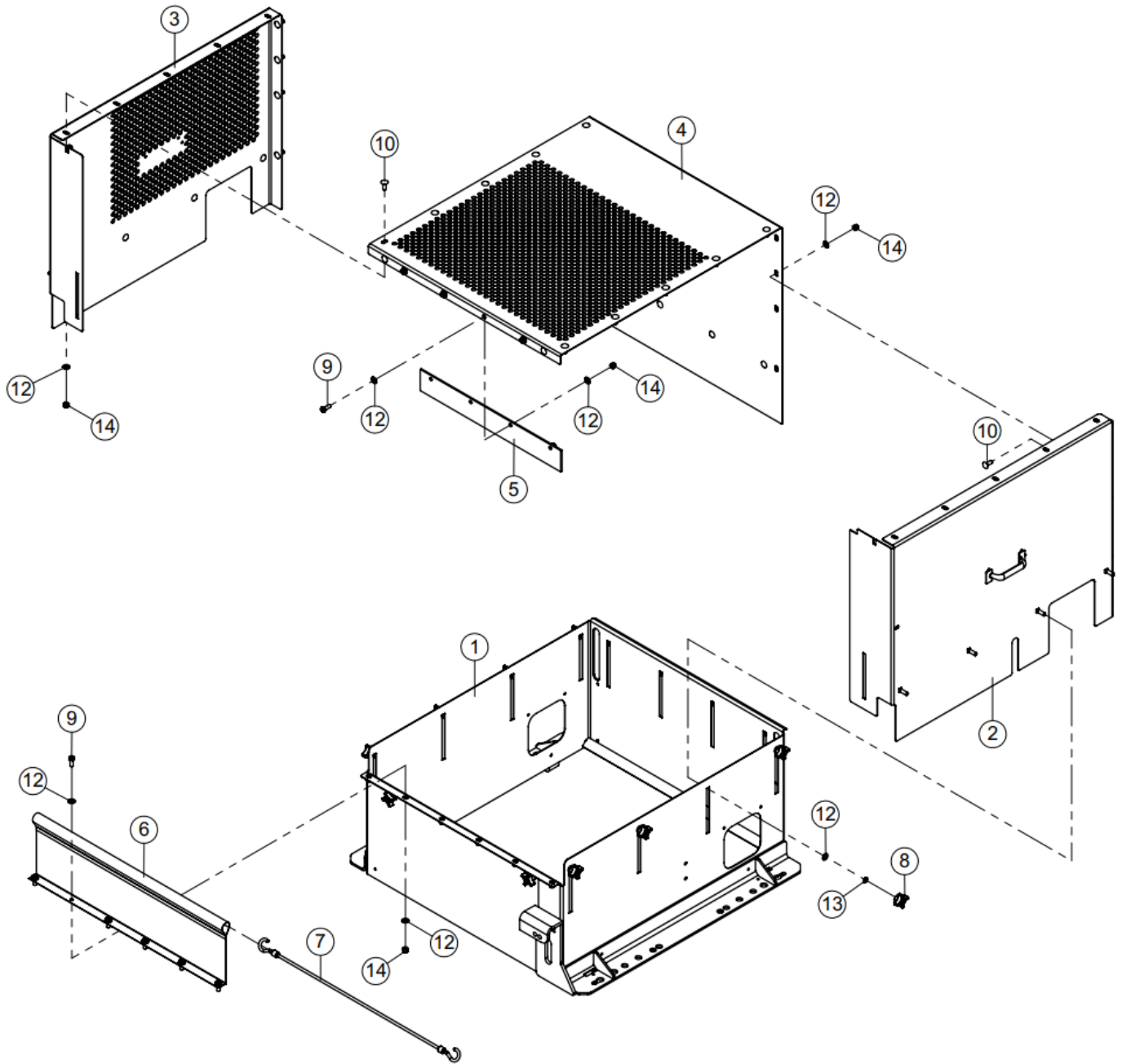
Scale Hopper Doors



Scale Hopper Doors

Key	Part Number	Description	Qty	Comments
1	RC181266	Hopper, Weigh	1	
2	RC181270	Door, LH Scale Hopper	1	
3	RC181271	Door, RH Scale Hopper	1	
4	RC181267	Link, Door Pivot	2	
5	RC181268	Support, Front Door	1	
6	RC181269	Support, Rear Door	1	
7	RC081738	Cover, Sample Hole	2	
8	RC181389	Strap	2	
9	RC950198	Cylinder, 1 x 4 Hydraulic	1	
10	RC900825	Pin, 1/8 x 3/4 SS Cotter	4	
11	RC902471	Pin, 5/16 x 4 CZ Clevis	4	
12	RC902473	Spacer, 3/8 I.D x 3/4 O.D x 3/4" CZ	2	
13	RC902343	Spacer, .505" ID x 1" OD x 3/4" CZ	1	
14	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	4	
15	RC902696	Washer, 1/4 SAE YZ Hard Flat	8	
16	RC900575	Nut, 1/4-20 YZ Nylock	4	
17	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
18	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	4	
19	RC900096	Bolt, 3/8-16 x 1-3/4 Gr 5 YZ Hex	4	
20	RC900677	Washer, 3/8 SAE YZ Hard Flat	8	
21	RC900680	Washer, 3/8 CZ Heavy Fender	8	
22	RC900583	Nut, 3/8-16 YZ Nylock	8	
23	RC901669	Bolt, 1/2-13 x 2-3/4 Gr 8 YZ Hex	1	
24	RC900438	Bolt, 1/2-13 x 3-1/2 Gr 5 CZ Carriage	1	
25	RC900689	Washer, 1/2 USS YZ Hard Flat	3	
26	RC902472	Washer, 3/4 Nylon Flat	2	
27	RC900588	Nut, 1/2-13 YZ Nylock	2	

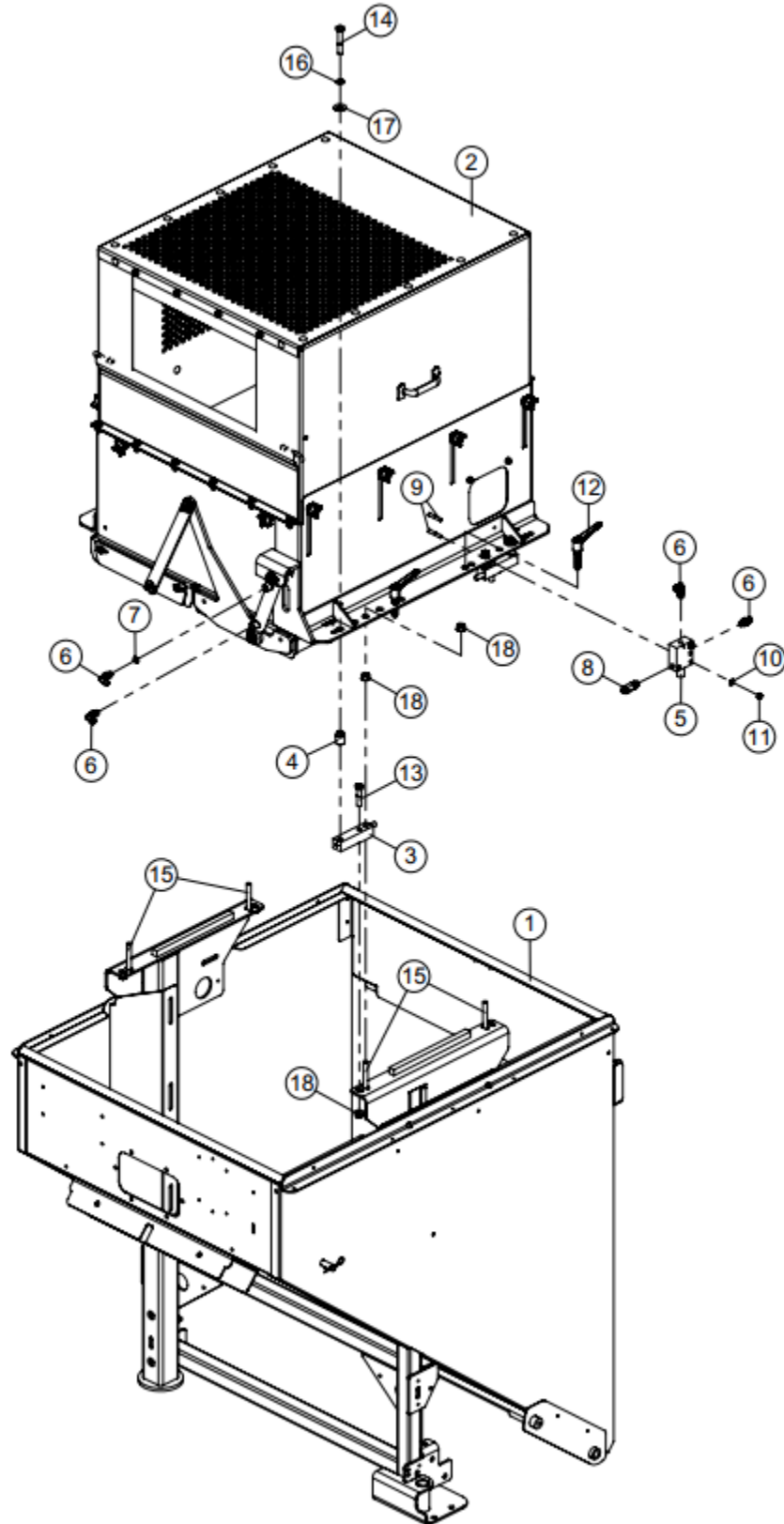
Scale Hopper Hood



Scale Hopper Hood

Key	Part Number	Description	Qty	Comments
1	RC181266	Hopper, Weigh	1	
2	RC181272	Panel, Open Hopper Hood LH Side	1	
3	RC181273	Panel, Open Hopper Hood RH Side	1	
4	RC181274	Panel, Open Hopper Hood Back	1	
5	RC181382	Flap, Rubber	1	
6	RC181384	Net	1	
7	RC902653	Cord, 24-1/2 x 48 Poly Bungee	1	
8	RC902100	Knob, 3/8-16 Female 4 Arm	14	
9	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	10	
10	RC901625	Bolt, 3/8-16 x 1 CZ SN Carriage	20	
11	RC901993	Bolt, 3/8-16 x 1-1/4 CZ SN Carriage	2	
12	RC900677	Washer, 3/8 SAE YZ Hard Flat	54	
13	RC900728	Washer, 3/8 YZ Lock	14	
14	RC900583	Nut, 3/8-16 YZ Nylock	30	

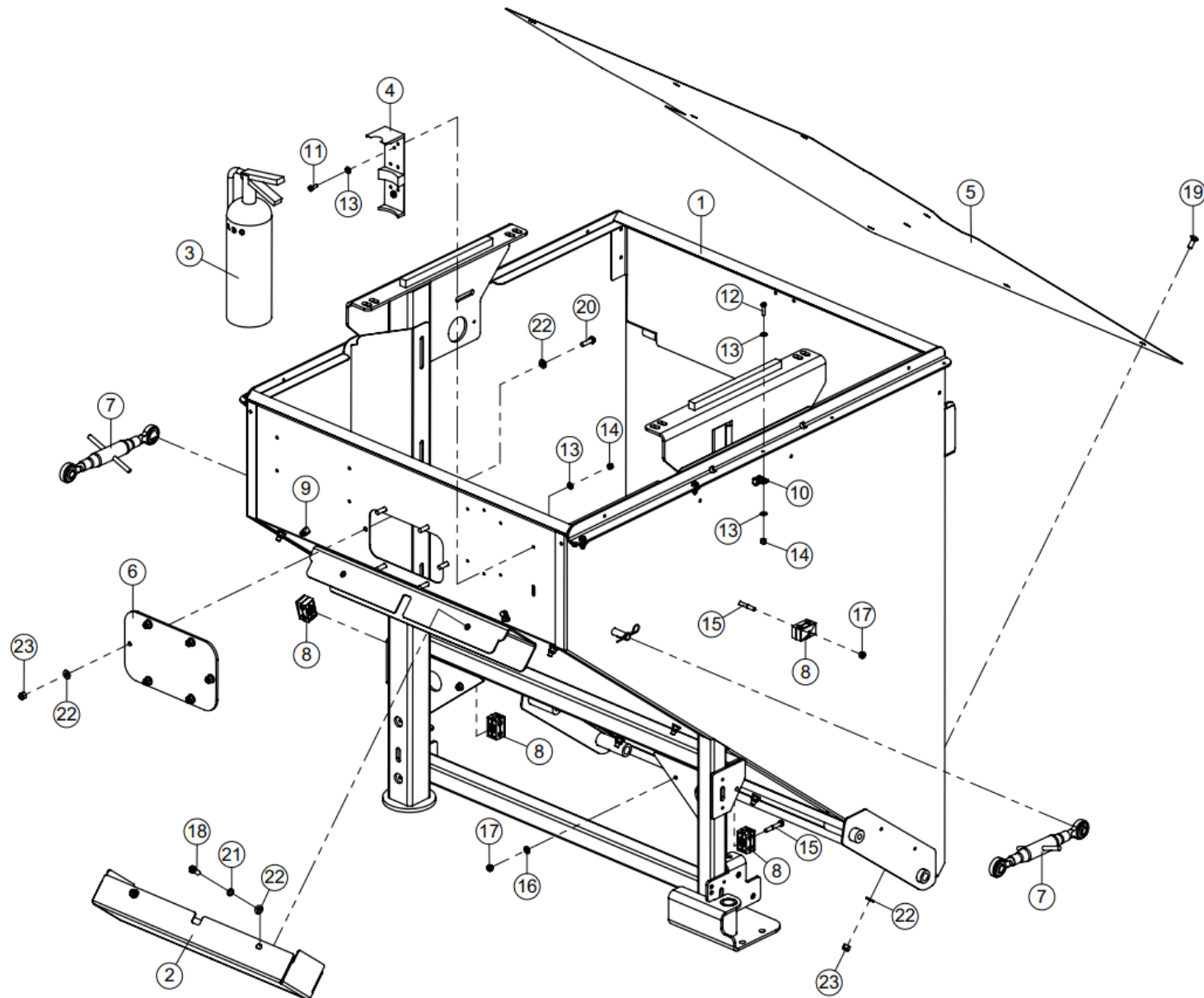
Scale Hopper Mounting



Scale Hopper Mounting

Key	Part Number	Description	Qty	Comments
1	RC181265	Hopper, Storage	1	
2	RC181212	Assembly, Open Scale Hopper	1	
3	RC750466	Cell, 250 lb Shear Beam Load	4	
4	RC181280	Bushing, Load Cell	4	
5	RC081949	Valve, Crossover Relief	1	
6	RC700115	Elbow, -04 MORFS -06 MORB 90°	4	
7	RC702680	Orifice, SAE 3/4-16, 0.0225	1	
8	RC700143	Tee, -04 MORFS -06 MORB -04 MORFS Run	1	
9	RC900068	Bolt, 5/16-18 x 2 Gr 5 YZ Hex	2	
10	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
11	RC900579	Nut, 5/16-18 YZ Nylock	2	
12	RC902441	Handle, 1/2-13 x 2 Zinc Adjustable Stud	4	
13	RC900283	Bolt, 1/2-13 x 2-1/4 Gr 8 YZ Hex	4	
14	RC901827	Bolt, 1/2-20 x 3 Gr 8 YZ Hex	4	
15	RC901830	Bolt, 1/2-13 x 3-1/2 Gr 8 YZ Hex Tap	4	
16	RC900731	Washer, 1/2 YZ Lock	4	
17	RC900689	Washer, 1/2 USS YZ Hard Flat	4	
18	RC900658	Nut, 1/2-13 YZ Nylock Flange	12	

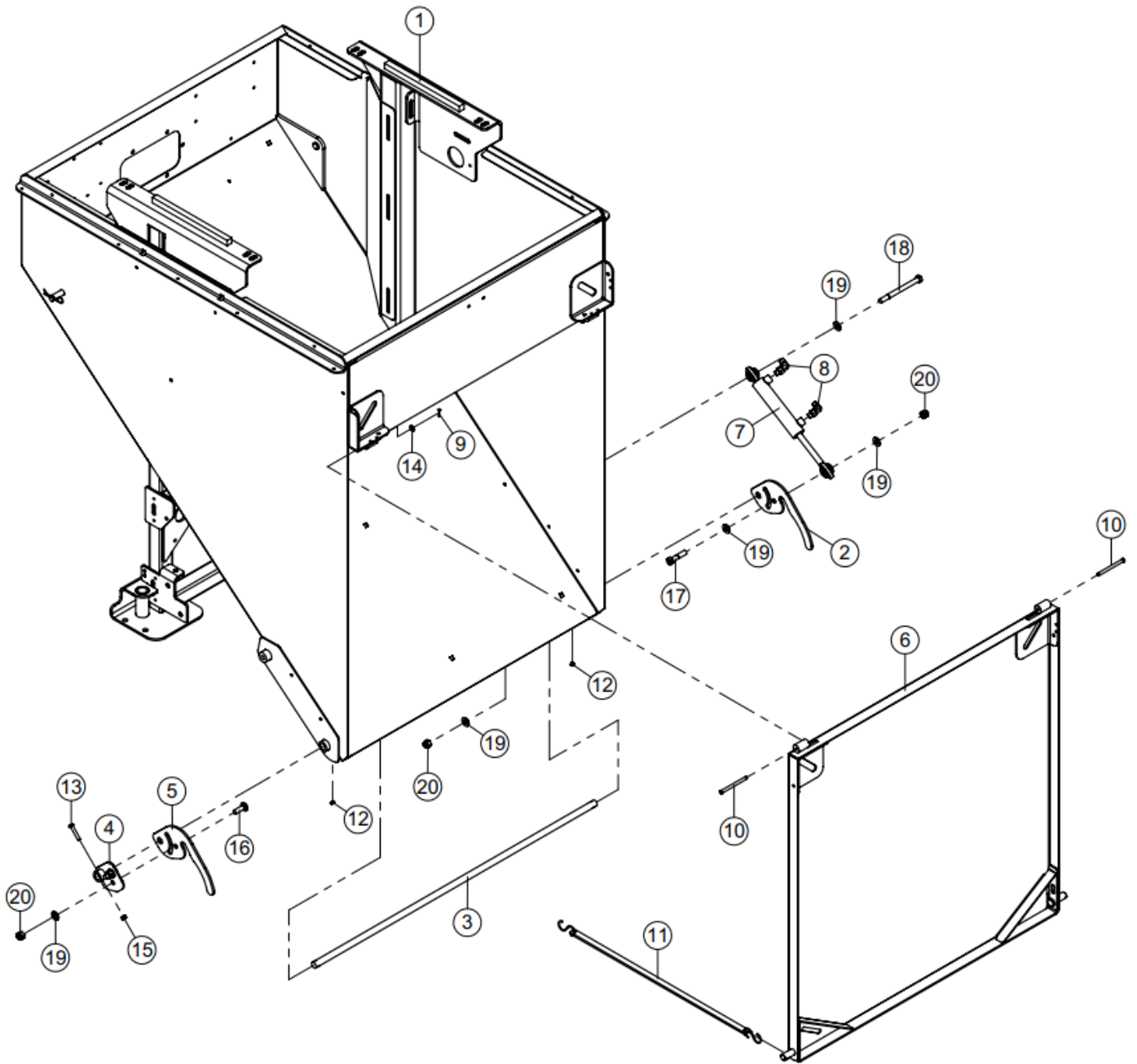
Storage Hopper



Storage Hopper

Key	Part Number	Description	Qty	Comments
1	RC181265	Hopper, Storage	1	
2	RC181282	Cover, Wiring	1	
3	RC950084	Extinguisher, 5 lb Dry Chemical Fire	1	
4	RC950312	Bracket, Fire Extinguisher Mount	1	
5	RC181374	Liner, Storage Hopper	1	
6	RC181390	Window, Storage Hopper	1	
7	RC950098	Link, 5/8 x 11-16" Cat 0 Top	2	
8	RC703112	Clamp, Double Line .53" ID	4	
9	RC902459	P-Clamp, 1/4 Cushion	2	
10	RC901915	P-Clamp, 1/2 Cushion	7	
11	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	4	
12	RC900042	Bolt, 1/4-20 x 1 Gr 5 YZ Hex	7	
13	RC902696	Washer, 1/4 SAE YZ Hard Flat	20	
14	RC900575	Nut, 1/4-20 YZ Nylock	11	
15	RC900068	Bolt, 5/16-18 x 2 Gr 5 YZ Hex	4	
16	RC902162	Washer, 5/16 SAE YZ Hard Flat	4	
17	RC900579	Nut, 5/16-18 YZ Nylock	4	
18	RC900088	Bolt, 3/8-16 x 1 Gr 5 YZ Hex	4	
19	RC901625	Bolt, 3/8-16 x 1 CZ SN Carriage	9	
20	RC900091	Bolt, 3/8-16 x 1-1/4 Gr 5 YZ Hex	6	
21	RC900728	Washer, 3/8 YZ Lock	4	
22	RC900677	Washer, 3/8 SAE YZ Hard Flat	25	
23	RC900583	Nut, 3/8-16 YZ Nylock	15	

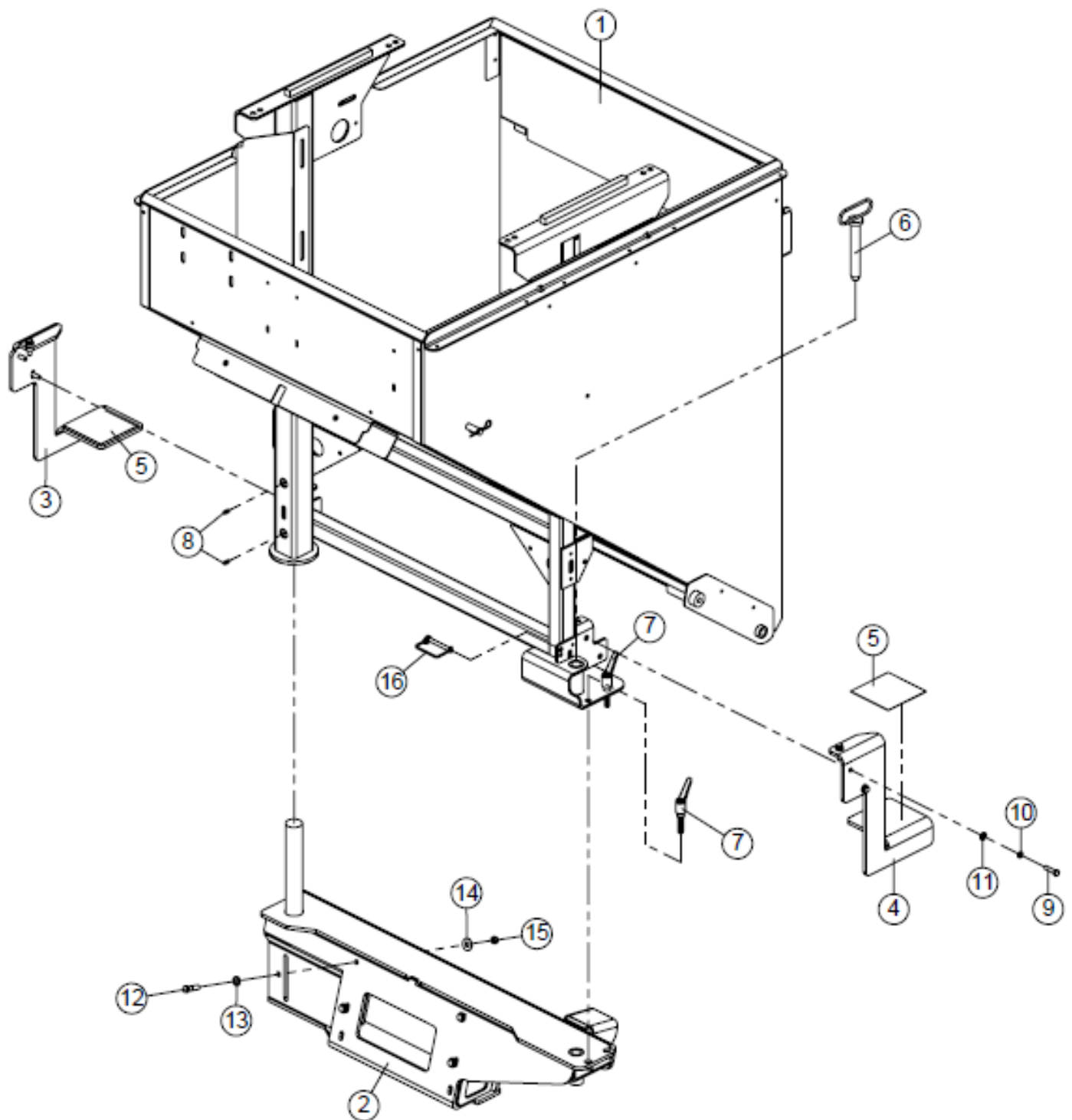
Storage Hopper Door



Storage Hopper Door

Key	Part Number	Description	Qty	Comments
1	RC181265	Hopper, Storage	1	
2	RC181277	Arm, RH Lock	1	
3	RC181278	Rod, Locking Arm	1	
4	RC181279	Plate, Locking	1	
5	RC181284	Plate, Pivot	1	
6	RC181285	Door, Storage	1	
7	RC950198	Cylinder, 1 x 4 Hydraulic	1	
8	RC700115	Elbow, -04 MORFS -06 MORB 90°	2	
9	RC900825	Pin, 1/8 x 3/4 SS Cotter	2	
10	RC902471	Pin, 5/16 x 4 CZ Clevis	2	
11	RC902486	Strap, 28 x 42 Rubber Bungee	1	
12	RC902080	Zerk, 1/4-28 UNF Straight Grease	2	
13	RC900067	Bolt, 5/16-18 x 1-3/4 Gr 5 YZ Hex	2	
14	RC902162	Washer, 5/16 SAE YZ Hard Flat	2	
15	RC900579	Nut, 5/16-18 YZ Nylock	2	
16	RC900428	Bolt, 1/2-13 x 1-1/2 CZ Carriage	2	
17	RC900283	Bolt, 1/2-13 x 2-1/4 Gr 8 YZ Hex	1	
18	RC900286	Bolt, 1/2-13 x 6 Gr 8 YZ Hex	1	
19	RC900691	Washer, 1/2 SAE YZ Hard Flat	6	
20	RC900588	Nut, 1/2-13 YZ Nylock	4	

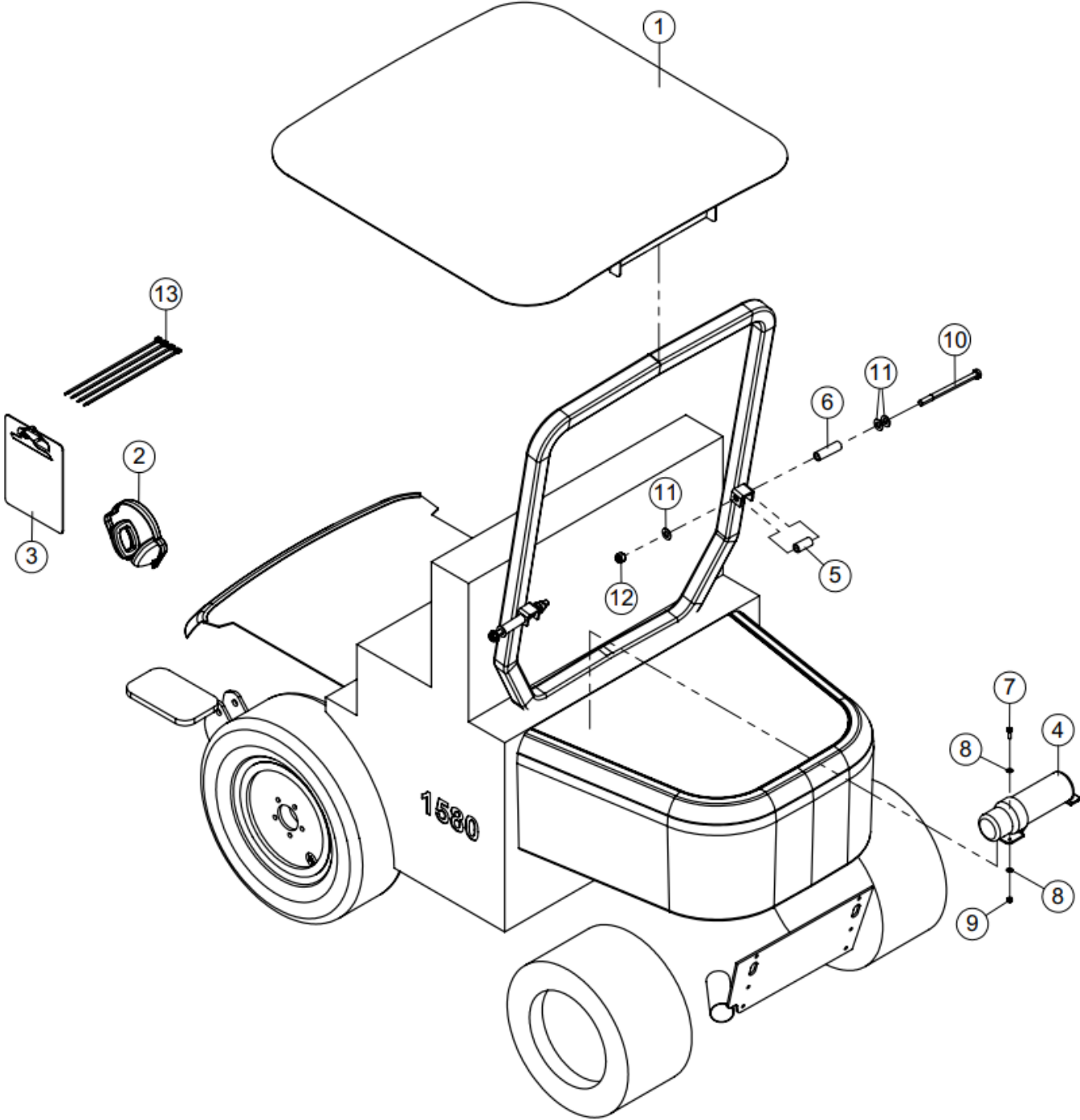
Storage Hopper Pivot



Storage Hopper Pivot

Key	Part Number	Description	Qty	Comments
1	RC181265	Hopper, Storage	1	
2	RC181275	Mount, Hopper	1	
3	RC081718	Plate, Right Step Support	1	Optional
4	RC181276	Plate, Left Step Support	1	
5	RC081886	Antislip pad	2	
6	RC900912	Pin, 1" x 6-1/4" Hitch	1	
7	RC902441	Handle, 1/2-13 x 2 Zinc Adjustable Stud	2	
8	RC901350	Zerk, 1/4-28 Taper Straight Grease	2	
9	RC900093	Bolt, 3/8-16 x 1-1/2 Gr 5 YZ Hex	6	
10	RC900728	Washer, 3/8 YZ Lock	6	
11	RC900677	Washer, 3/8 SAE YZ Hard Flat	6	
12	RC901756	Bolt, 7/16-14 x 1-3/4 Gr 8 YZ Hex	4	
13	RC900685	Washer, 7/16 SAE YZ Hard Flat	4	
14	RC901760	Washer, 7/16 YZ Hard USS Flat	4	
15	RC901755	Nut, 7/16-14 Gr 8 YZ Nylock	4	
16	RC900902	Pin, Square Retainer CZ Lock	1	

1580 Completion Bundle

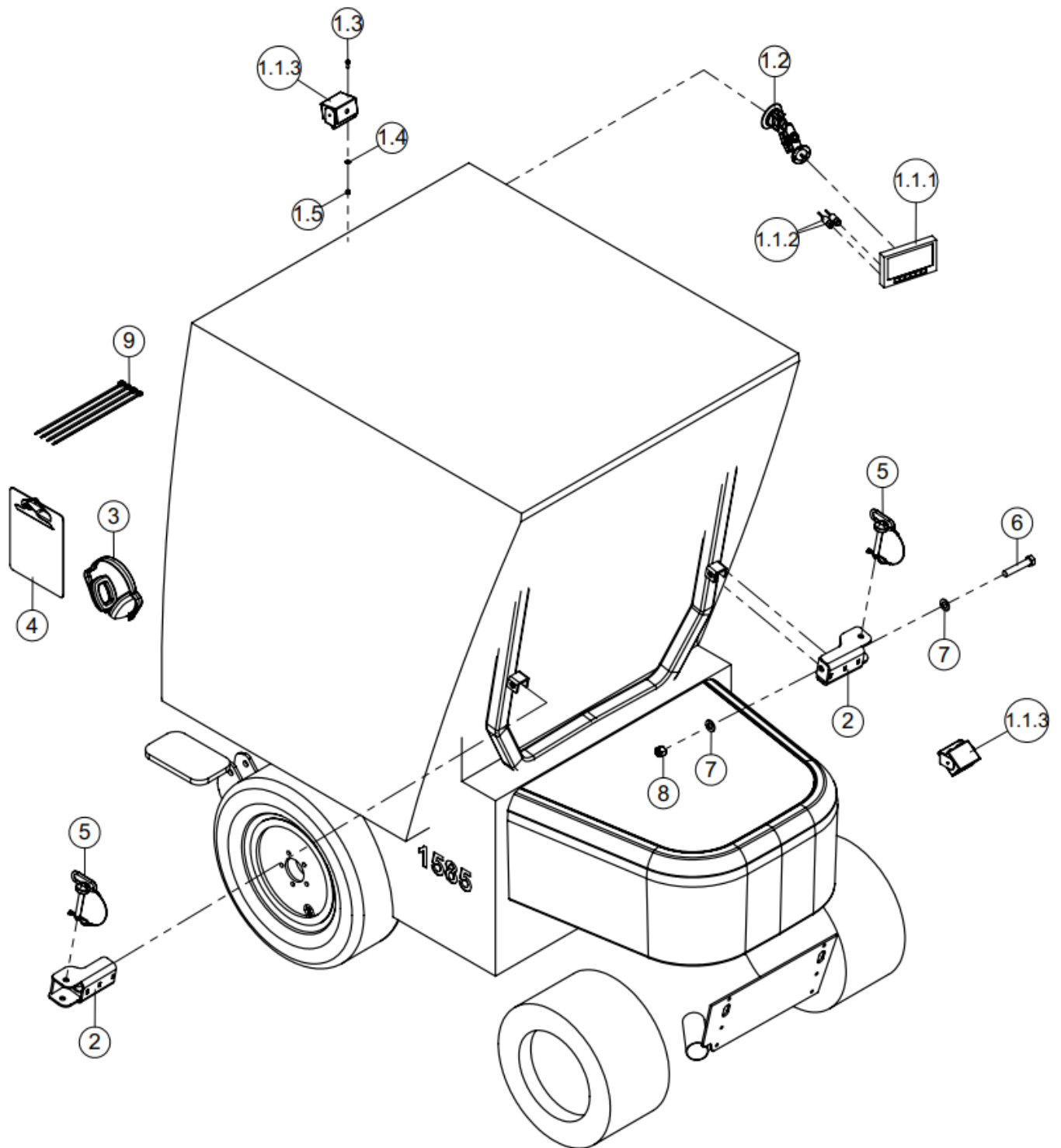


1580 Completion Bundle

Key	Part Number	Description	Qty	Comments
1	RC181406	Canopy, Rops	1	
2	RC950458	Earmuffs	1	
3	RC950459	Board, Knee	1	
4	RC950460	Holder, Manual	1	
5	RC181360	Spacer, Inside	2	*See Note
6	RC181362	Spacer, Outside	2	*See Note
7	RC900063	Bolt, 5/16-18 x 1 Gr 5 YZ Hex	3	
8	RC902162	Washer, 5/16 SAE YZ Hard Flat	6	
9	RC900579	Nut, 5/16-18 YZ Nylock	3	
10	RC901641	Bolt, 5/8-11 x 8-1/2 Gr 8 YZ Hex	2	*See Note
11	RC900694	Washer, 5/8 SAE YZ Hard Flat	6	*See Note
12	RC900593	Nut, 5/8-11 YZ Nylock	2	*See Note
13	RC902456	Tie, 15 UV Resistant Cable	4	

*** For use on 1580 units with rear hopper only**

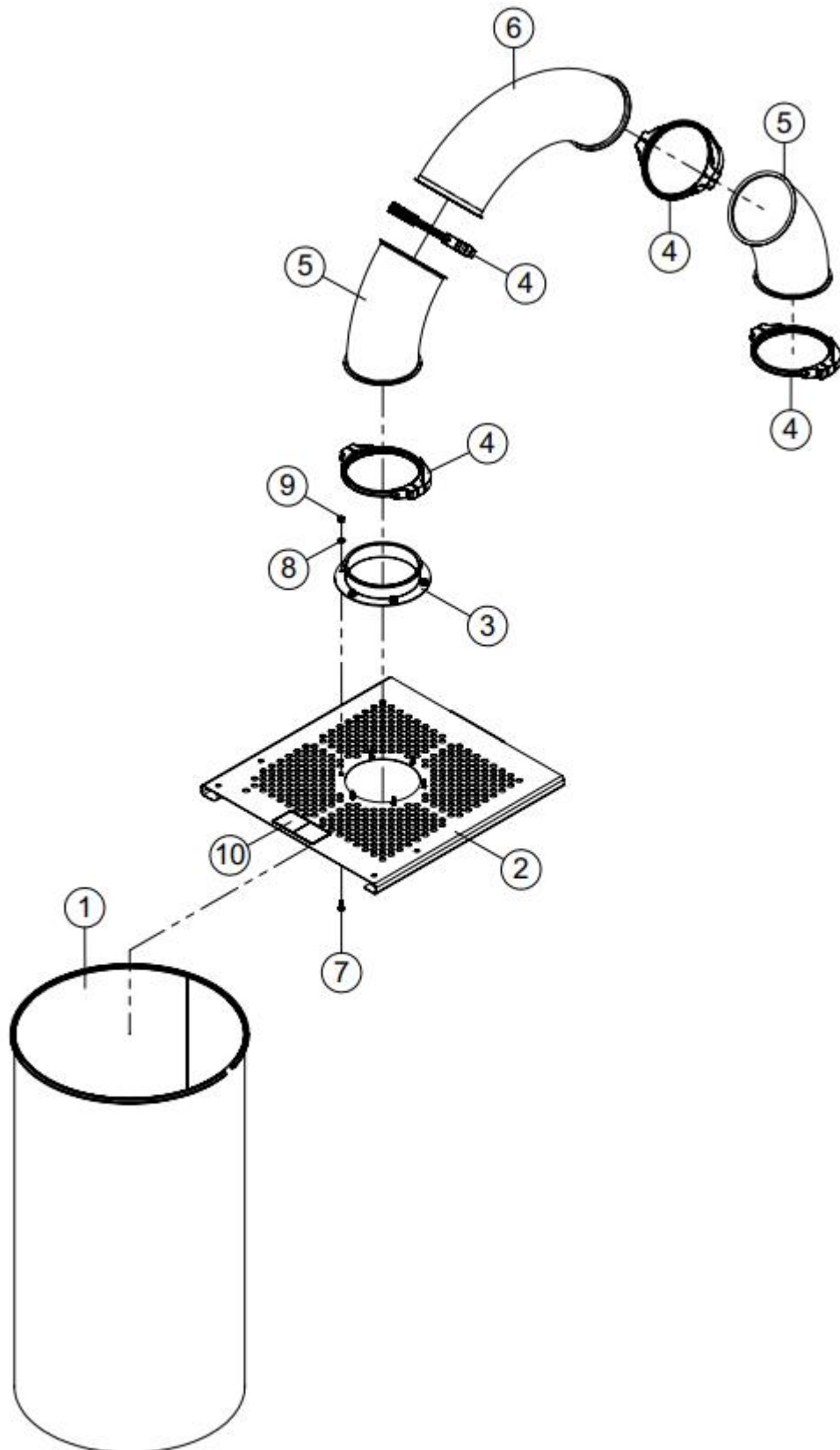
1585 Completion Bundle



1585 Completion Bundle

Key	Part Number	Description	Qty	Comments
1	RC750461	Bundle, 2 Camera w/ 7" Display and Suction Mount	1	
1.1	RC750181	Kit, CabCAM Quad Monitor with 2 Cameras	1	
1.1.1	RC750462	Monitor, 7" CabCAM Quad	1	
1.1.2	RC750184	Cable, Power Video 20'	2	
1.1.3	RC750463	Camera, CabCAM 110	2	
1.2	RC750460	Kit, 1" Ball Suction Cup RAM Arm	1	
1.3	RC901956	Bolt, 1/4-20 x 3/4 Gr 5 YZ Hex	4	
1.4	RC902696	Washer, 1/4 SAE YZ Hard Flat	4	
1.5	RC900575	Nut, 1/4-20 YZ Nylock	4	
2	RC181283	Mount, Pin	2	
3	RC950458	Earmuffs	1	
4	RC950459	Board, Knee	1	
5	RC902461	Pin, 5/8 x 4 Grip Hitch	2	
6	RC900212	Bolt, 3/4-10 x 4 Gr 5 YZ Hex	2	
7	RC902416	Washer, 3/4 SAE YZ Hard Flat	4	
8	RC900597	Nut, 3/4-10 YZ Nylock	2	
9	RC902456	Tie, 15 UV Resistant Cable	4	

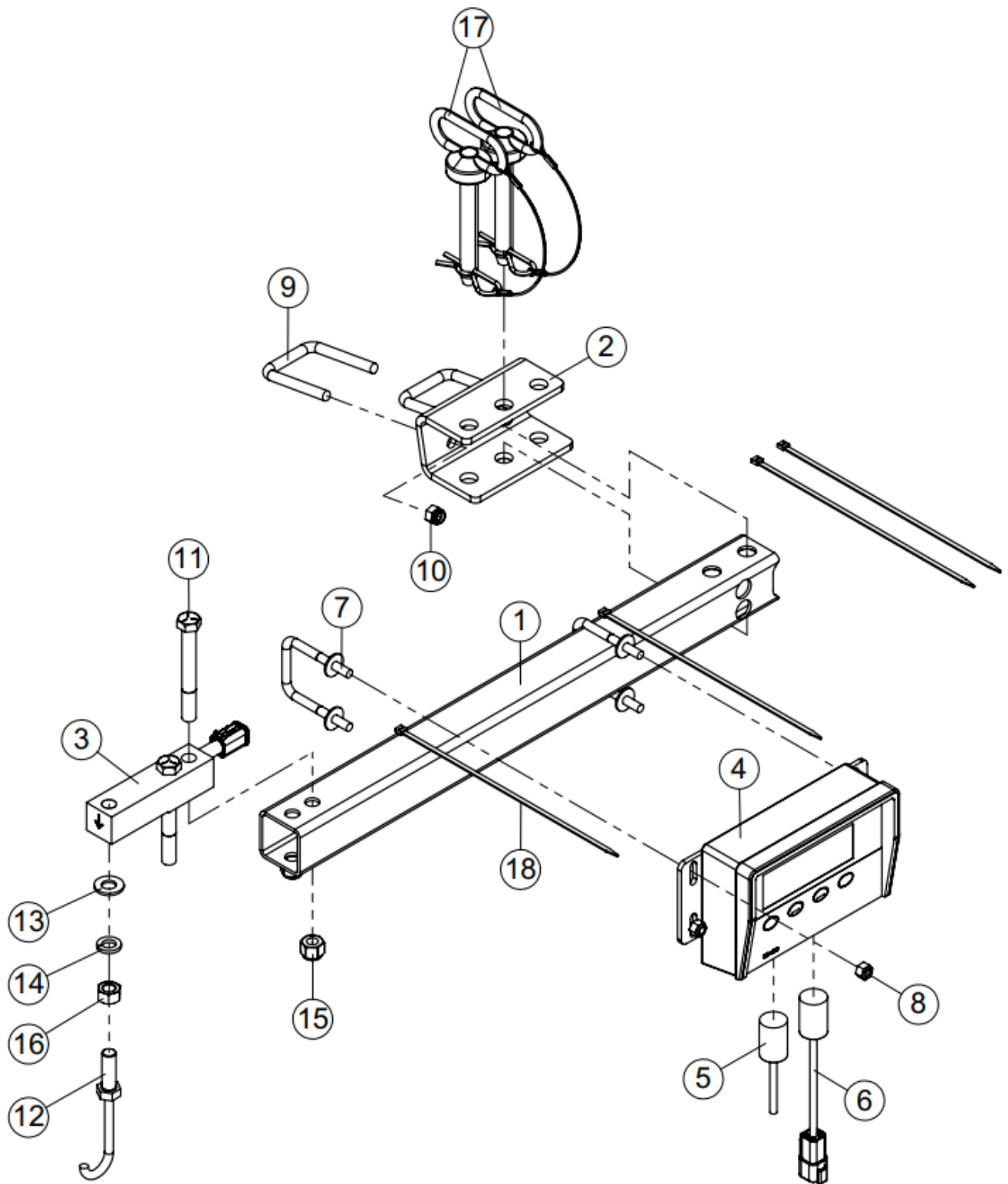
Bagging Bundle – RC181111 (Optional)



Bagging Bundle – RC181111 (Optional)

Key	Part Number	Description	Qty	Comments
1	RC181112	Assembly, Bag and Hoop	5	4 Spares
2	RC181325	Filler, Bag	1	
3	RC950240	Flange, 6" Quick Connecting	1	
4	RC950059	Ring, 6" Dia. Quick Connect Pull	4	
5	RC950235	Elbow, 6" Dia. x 45° Quick Connect	2	
6	RC950238	Elbow, 6" Dia. x 90° Quick Connect	1	
7	RC902039	Bolt, 1/4-20 x 3/4 CZ SN Carriage	6	
8	RC900668	Washer, 1/4 SAE YZ Flat	6	
9	RC900575	Nut, 1/4-20 YZ Nylock	6	
10	RC901925	Decal, ISO Thrown Object	1	
	RC181230	Bundle, Complete Bagging (Optional)		Includes: Bagging, Scale Arm and Weight Rack Bundles

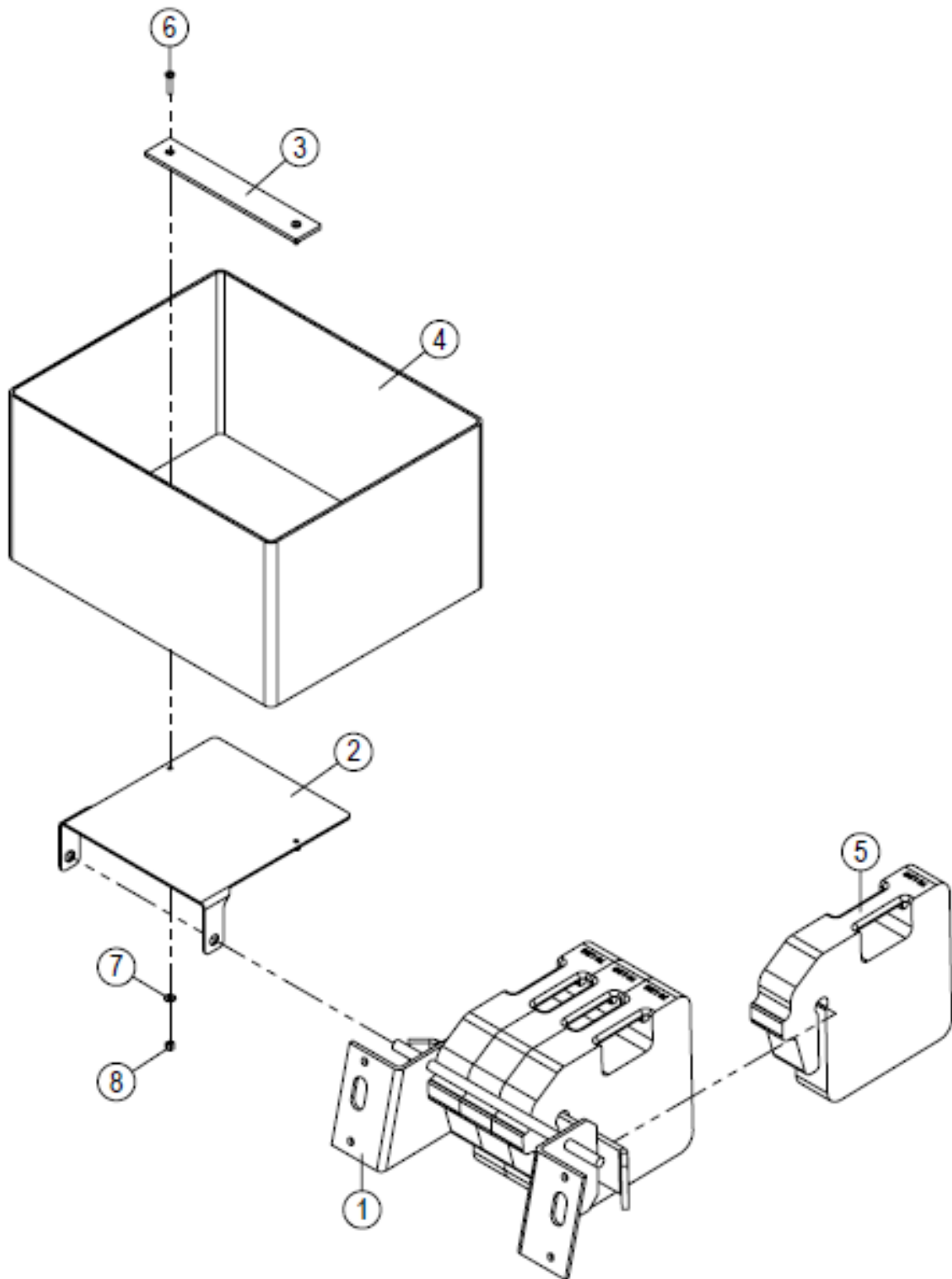
Scale Arm Bundle – RC181093 (Optional)



Scale Arm Bundle – RC181093 (Optional)

Key	Part Number	Description	Qty	Comments
1	RC181346	Arm, Scale	1	
2	RC181347	Base	1	
3	RC750466	Cell, 250 lb Shear Beam Load	1	
4	RC750465	Indicator, EZ400 Scale	1	
5	RC750550	Cable, 6' Scale Indicator Power	1	
6	RC750551	Cable, 12-1/2' Junction Box	1	
7	RC902427	U-Bolt, 5/16-18 x 3 x 2 CZ Square	2	
8	RC900579	Nut, 5/16-18 YZ Nylock	4	
9	RC900775	U-Bolt, 3/8-16 x 3 x 2 CZ Square	2	
10	RC900583	Nut, 3/8-16 YZ Nylock	4	
11	RC900147	Bolt, 1/2-13 x 4 Gr 5 YZ Hex	2	
12	RC181350	Weldment, Hook Bolt	1	
13	RC900691	Washer, 1/2 SAE YZ Hard Flat	1	
14	RC900731	Washer, 1/2 YZ Lock	1	
15	RC900588	Nut, 1/2-13 YZ Nylock	2	
16	RC900531	Nut, 1/2-20 YZ Hex	1	
17	RC902461	Pin, 5/8 x 4 Grip Hitch	2	
18	RC901973	Tie, 11 UV Resistant Cable	4	

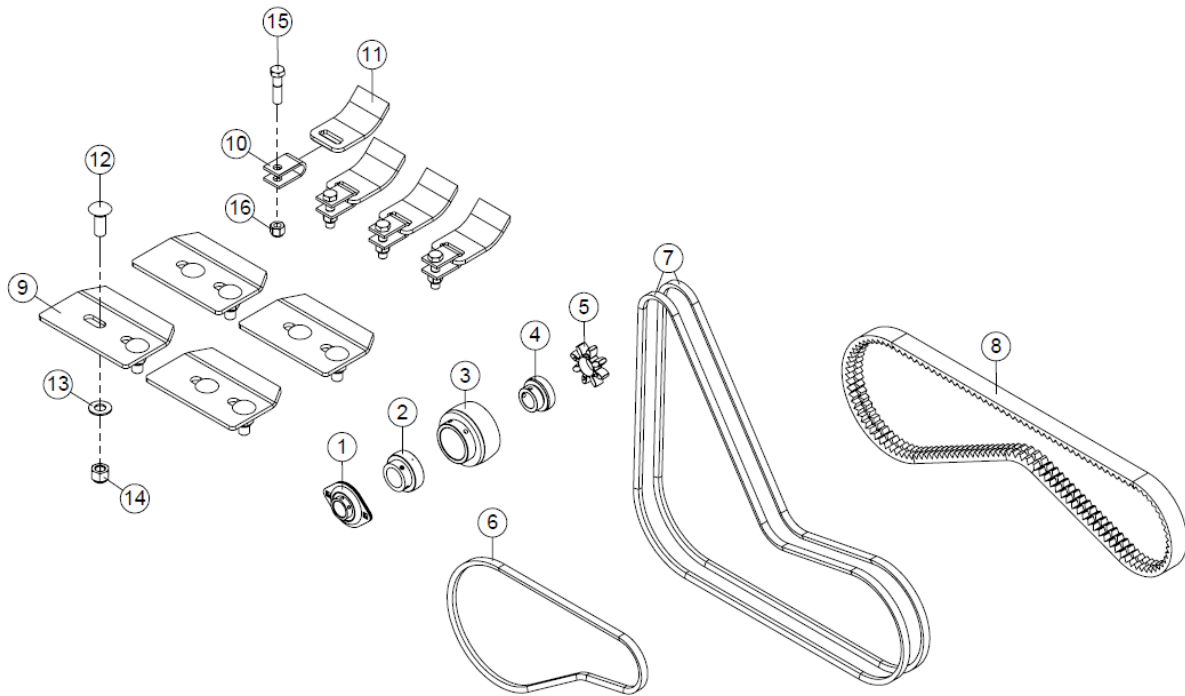
Weight Rack Bundle – RC181231 (Optional)



Weight Rack Bundle – RC181231 (Optional)

Key	Part Number	Description	Qty	Comments
1	RC181229	Rack, Weight	1	
2	RC181344	Plate	1	
3	RC181352	Strap	1	
4	RC181109	Basket	1	
5	RC850015	Weight, 70 lbs Suitcase	4	
6	RC902470	Screw, 1/4-20 x 1-1/4 CZ Ph Rd Hd	2	
7	RC902696	Washer, 1/4 SAE YZ Hard Flat	2	
8	RC900575	Nut, 1/4-20 YZ Nylock	2	

Spare Parts Bundle



Key	Part Number	Description	Qty	Comments
1	RC950206	Bearing, 1" x 2 Bolt Flangette	1	
2	RC950213	Bearing, 1-1/4" Insert	1	Replacement bearing for RC950212 assembly
3	RC950210	Bearing, 2" Set Screw Spherical	1	Replacement bearing for RC950209 assembly
4	RC950204	Bearing, 1" Eccentric Locking Collar	1	Replacement bearing for RC950203 assembly
5	RC950229	Spider, 8 Arm Coupler	1	
6	RC950227	V-Belt, 39" A Single Strand	1	
7	RC950228	V-Belt, 70" A Single Strand	2	
8	RC950105	Belt, 63" 5VX Double Strand	1	S/N 1096 - X
	RC181045	Belt, 64" 5VX	2	S/N up to 1096
9	RC181293	Knife, Blower	4	
10	RC081020	Clip	4	
11	RC081822	Knife	4	
12	RC901362	Bolt, 5/8-11 x 1-3/4 Gr 5 Carriage	8	
13	RC900694	Washer, 5/8 SAE YZ Hard Flat	8	
14	RC900593	Nut, 5/8-11 YZ Nylock	8	
15	RC901364	Bolt, 1/2-13 x 2 Gr 8 YZ Hex	4	
16	RC900588	Nut, 1/2-13 YZ Nylock	4	

* Verify size of belt before ordering by checking the marking on the belt.

Pre-delivery Checklist (Copy for Return to RCI)

After the unit has been assembled and lubricated and prior to delivery to customer, the unit needs to be inspected thoroughly to ensure it is in proper working order. The following checklist must be reviewed and each item found to be satisfactorily completed.

- ☐ Unit has been setup according to the instructions included in this manual.
- ☐ All guards, shields and safety decals are in place, securely fastened, and operate correctly.
- ☐ All nuts and bolts have been tightened and inspected.
- ☐ Adjustments have been made as described in the Adjustments section of this manual.
- ☐ All moving parts operate freely.
- ☐ All applicable warranty information recorded.

I acknowledge that the pre-delivery service was performed, and the unit is ready for delivery to the customer.

Company Name	Representative	Date
--------------	----------------	------

Model Number	Serial Number	Date Sold
--------------	---------------	-----------

Owner's Name and Address

Name _____

Address _____

City, State, Zip _____

Original: Enclose in manual and give to customer at time of delivery.

Copy: Dealership

Copy: RCI Engineering LLC

RCI Engineering LLC

Fax: 920-387-9806

Email: info@rciengineering.com

Mail: 208 River Knoll Drive, Mayville, WI 53050

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Delivery Checklist (Copy for Return to RCI)

The following items must be performed when delivering the attachment to the customer. Check off each item as it is performed.

- ☐ Provide the customer with the Operator Manual and instruct them to read prior to operating the unit.
- ☐ Review and explain all safety information and operating adjustments.
- ☐ Show how to properly adjust the unit as instructed in the *Adjustments* section.
- ☐ Make it be known that if the customer can visit or call RCI to discuss any questions or problems they may encounter.
- ☐ Complete the Owner Registration with the customer, ensure it is completely filled out, and return it to RCI Engineering.

Date Delivered

Signature

Original: Enclose in manual and give to customer at time of delivery.

Copy: Dealership

Copy: RCI Engineering LLC

RCI Engineering LLC

Fax: 920-387-9806

Email: info@rciengineering.com

Mail: 208 River Knoll Drive, Mayville, WI 53050

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Suggestions to RCI

Use this page to provide feedback to RCI regarding this product, manual, or other ways for RCI to improve in the future.

Product: 36A / 48A

Name: _____

Company: _____

Phone: _____

S/N: _____

Date: _____

Comments:

Send to RCI Engineering:

RCI Engineering LLC

Fax: 920-387-9806

Email: info@rciengineering.com

Mail: 208 River Knoll Drive, Mayville, WI 53050

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