



FIXED HITCH LAND ROLLER

**OPERATORS MANUAL
& PART LIST**

Contents

SECTION 1	PAGE
INTRODUCTION	1
MANUAL & EQUIPMENT DETAILS	2
SPECIFICATIONS	3
PRE-DELIVERY INSPECTION	4
SERVICE & WARRANTY POLICY	5 - 6
SAFETY RECOMMENDATIONS	7
DECAL LOCATIONS	8 - 9
MAINTENANCE	10 - 12
OPERATING INSTRUCTIONS	13 - 15
GRADE CHART	16
TORQUE CHART	17

SECTION 2	PAGE
PARTS	1 - 15

SECTION 1

Thank you for making the decision to purchase a RITE WAY

We are pleased to welcome you as an owner of a product from **RITE WAY MFG.** This machinery is the culmination of years of agricultural and engineering experience and has been designed to deliver you with many years of successful operation service.

For the most efficient operation of your **Fixed Hitch Roller** we have provided this owner's manual. In this manual we have included proper maintenance and functional procedures to offer maximum longevity for your new equipment. Before operating we urge a careful study of this manual to provide a thorough understanding of your new **Fixed Hitch Land Roller**. We also recommend that you take care of this manual so it will be available for future reference. Should your manual become lost or destroyed a new copy can be obtained from your **Rite Way Manufacturing** dealer. We will also be happy to answer any questions you might have concerning the use or care of this product.

Rite Way Manufacturing Co. Ltd.

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S0G 2J0

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Manual Details

Unit Model Number	LR4112FH, LR4114FH, LR4116FH, LR4118FH, LR4120FH
Manual Revision Number	1.0
Manual Revision Date	June 9th, 2017
Manual Serial Number Range	17-41-2330 +

The area below is provided for the owner / end-user to make notes regarding the equipment.

Owner / Equipment Information

Serial Number of Unit	
Date of Purchase	
Dealer Name	
Dealer Address	
Dealer Phone Number	
Salesman Name	
Salesman Phone Number	
Notes	

Specifications

General Information

- Heavy duty Ø2-7/16" Drum Shaft
- Heavy duty Ø2-7/16" Self Aligning Greaseless Roller Bearing
- Ø42" Drum (.500" wall thickness)
- Two – 11 L x 15 – 8 Ply ("D") Highway Service Tires
- Slow Moving Sign
- One - 20,000 lbs Safety Chain
- Light Kit

Main Frame

- High profile frame design
- 8 x 4" x 0.25w tube

Hydraulic System

- Standard unit requires - 2 Hydraulic Banks.
- Heavy duty hydraulic cylinders
- Zinc plated steel hydraulic lines

Options

- Acre meter kit
- Three Point Hitch Attachment

Technical Information

Size	12'	14'	16'	18'	20'
Working Width	12' (3.66 m)	14' (4.27 m)	16' (4.88 m)	18' (5.49 m)	20' (6.10 m)
Transport Length	16'-4" (4.98m)	16'-4" (4.98m)	16'-4" (4.98m)	16'-4" (4.98m)	16'-4" (4.98m)
Transport Width	13'-1" (3.99 m)	15'-1" (4.58 m)	17'-2" (5.22 m)	19'-2" (5.85 m)	21'-2" (6.46 m)
Transport Height	6'-3" (1.91m)	6'-3" (1.91m)	6'-3" (1.91m)	6'-3" (1.91m)	6'-3" (1.91m)
Weight	4,900 lbs (2222 kg)	5,400 lbs (2455 kg)	5,900 lbs (2680 kg)	6,300 lbs (2858 kg)	6,700 lbs (3045 kg)
Required Power	3.5-4.5 hp/ft	3.5-4.5 hp/ft	3.5-4.5 hp/ft	3.5-4.5 hp/ft	3.5-4.5 hp/ft
Ideal Speed	4-8 mph (6-13 km/h)	4-8 mph (6-13 km/h)	4-8 mph (6-13 km/h)	4-8 mph (6-13 km/h)	4-8 mph (6-13 km/h)

Pre-delivery Inspection Check List

General

- ☐ Remove wrapping and wash unit, removing all road debris. (Road salt, mud, snow, etc.)
- ☐ Inspect paint, decals and general appearance of unit.
- ☐ Verify that the owners manual is in the manual storage tube.
- ☐ Verify 'SLOW MOVING VEHICLE' sign (SMV) is on unit (if applicable)
- ☐ Verify that jacks are with the unit and function properly.
- ☐ Check wheel bolts for proper torque.
- ☐ Check for proper tire pressure (PSI).
- ☐ Verify that the wheel hubs are lubricated.
- ☐ Verify that locking pins and / or ram locks are in place.
- ☐ Lubricate all components as per operators manual recommendation.
- ☐ Check that all bolts and fasteners are at the proper torque specifications.

(NOTE: All cap screws that have lock nuts join moving pieces should not be tightened completely, they must allow movement. i.e. Spring pressure kits, rock shaft connector, draft arm, etc.

- ☐ Check sprocket alignment and chain tension. (If applicable)
- ☐ Check locking collars and set screws for proper tension. (If applicable)
- ☐ Verify operation of lights. (If applicable)
- ☐ Verify the unit moves 'IN' and 'OUT' of transport without any binding.
- ☐ Verify that tires are tracking properly when in transport mode.

Hydraulics

- ☐ Insure that all hydraulic hoses and lines are routed properly and secured.
- ☐ Verify that all hydraulic fittings / hoses are secure and there are no oil leaks.
- ☐ Inspect all cylinders for leakage and the cylinder shaft for rust, pits, or scratches.
- ☐ Verify operation of all hydraulic functions - Cycle hydraulic cylinders to remove air from the system.

Delivery

- ☐ Verify that 'The customer is aware of warning decals and proper jack placement for transport.'
- ☐ Verify that 'The customer is aware of proper operation and transportation of the unit'.
- ☐ Verify that 'The customer has received an operators manual'.
- ☐ Explain all maintenance and service intervals to the customer (From operators manual).
- ☐ Advise the customer of grease zerk locations and maintenance schedules.
- ☐ Level the unit per operators manual and instruct the customer on the proper procedures.

Pre-delivery Inspection Completed By (Sign Below)

Pre-delivery Inspection Confirmed By (Sign Below)

Service & Warranty Policy

Rite Way Manufacturing Co. Ltd. (hereafter referred to as Rite Way) warrants each new machine to be free from defects in materials and workmanship for a period of one (1) year from date of purchase under normal agricultural use and service. In addition, Rite Way will supply at no charge, (F.O.B Rite Way Factory) any part that has failed within the 2nd year. Rite Way's obligation under this warranty is limited to the repair or replacement of any defective parts of the equipment at its own discretion.

Any alterations, modifications or additions done to a finished product will **void this warranty** unless prior written permission from Rite Way is obtained.

Items that are not manufactured by Rite Way are covered by the warranty of the supplier of these items. We will therefore extend, without assuming any responsibility, any warranty given to us by our suppliers.

This warranty shall not apply to any machine, that in the company's judgment has been subjected to misuse, negligence or accident. In no event shall the owner be entitled to recover costs for incidental, special or consequential damages such as, but not limited to; Loss of crop, loss of profit or revenue, other commercial losses, inconvenience or rental costs.

This warranty shall not apply unless Rite Way or its designated dealer is promptly notified of claimed defects and the allegedly defective part is held for inspection.

Repair parts purchased for machines 'Out of Warranty', are warranted to be free from defects in material and workmanship under normal use and service for a period of ninety (90) days from the date of delivery to the customer.

The warranty shall only become valid when delivery notification for warranty is received by Rite Way within 20 days of the completion of sale.

OWNER'S / USERS OBLIGATION: It is the responsibility of the user to read the Operators Manual and understand the safe and correct operating procedures as it pertains to the operation of the product, and to lubricate and maintain the product according to the maintenance schedule in the Manual.

The user is responsible for inspecting the machine, and for having parts repaired or replaced when continued use of the product could cause damage or excessive wear to any other parts. It is the user's responsibility to deliver their machine to a Rite Way dealer for service or replacement of defective parts which are covered by the standard warranty.

Rite Way **will not** be held responsible for charges such as transportation, fuel, lodging when a dealer / dealer representative travels to a customer location for warranty or inspection.

Service & Warranty Claim Procedure

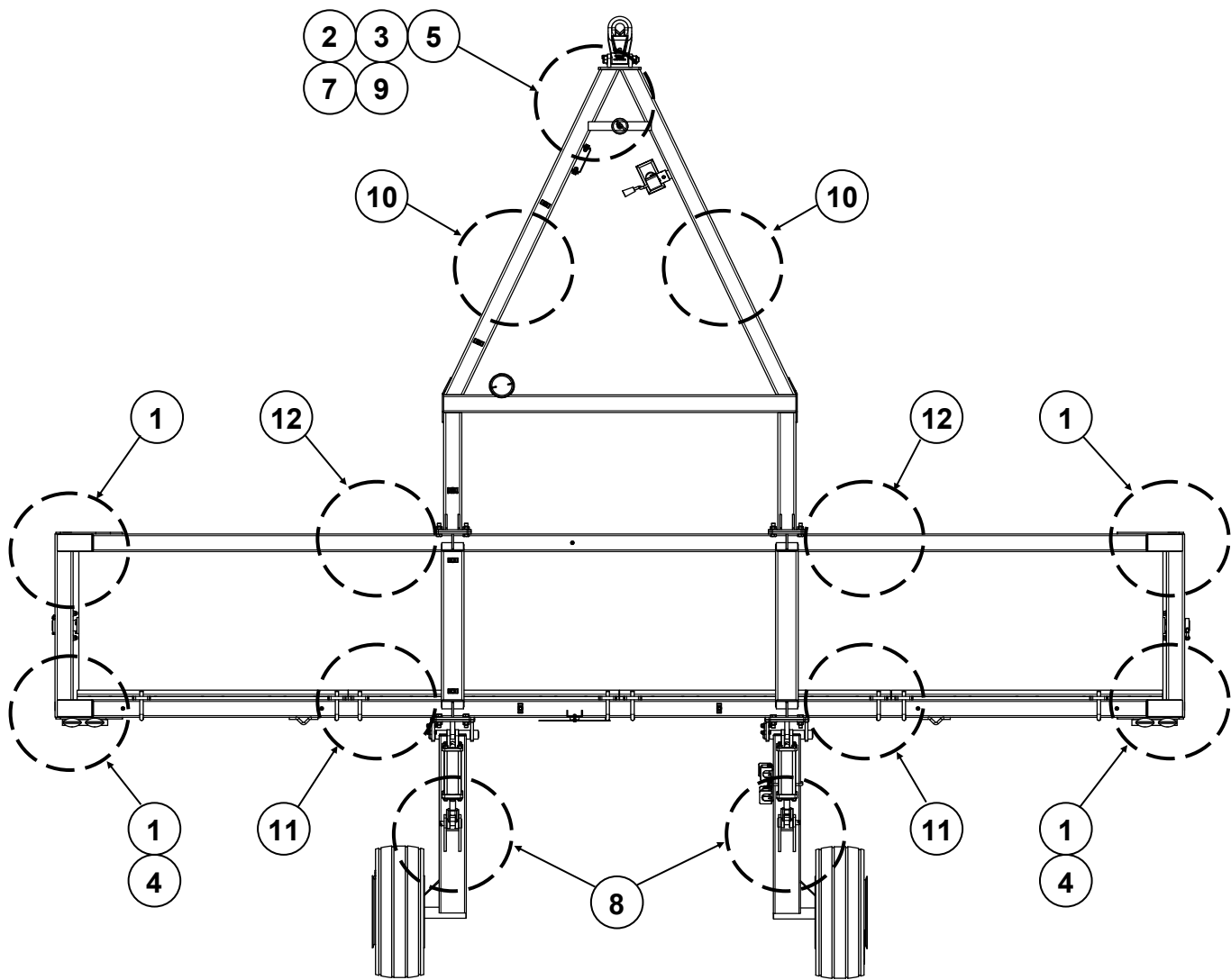
1. All claims must be handled through a dealer / distributor. All claims must be submitted on a properly completed claim form within 30 days of the date of repair.
2. A warranty registration claim form must be on file at Rite Way Mfg. to validate a warranty claim.
3. Defective parts are to be held at the dealer / distributor's place of business until the warranty claim form has been processed. Rite Way will advise when parts can be released.
4. Parts that require inspection by Rite Way personnel must be accompanied by a Return Goods Form number, and must be sent by pre-paid freight. Rite Way will refund pre-paid freight charges on any items determined to be defective.
5. Rite Way will not assume responsibility for repairs or expenses incurred without authorization. Warranty labour in excess of \$150.00 must be authorized before such work is performed and photographs before and after repairs are required.
6. Warranty labour is to be claimed on the warranty claim form, only if the warranty labour was performed by the dealer. Travel time is not covered by warranty and should not be included. Rite Way reserves the right to adjust or allocate labour times and values based on its experience.
7. It is the responsibility of the dealer to ensure that the warranty registration forms are properly completed and returned to Rite Way Mfg., Imperial, SK.

Safety Recommendations

1. Read manual thoroughly before operating machine.
2. Study all warning decals on implement.
3. Most accidents occur because of neglect or carelessness.
4. Only the operator should be on the tractor during operation.
5. Connect the LAND ROLLER to the tractor before operating hydraulics. Be cautious of hydraulic oil leaks.
6. Always throttle the tractor down and use caution in attaching the LAND ROLLER to the tractor. Never stand between the implement and the tractor.
7. Be very cautious when unhooking the tractor from the LAND ROLLER. The parking jack must be lowered on firm ground, plus the front and back of the tires in the centre frame should be blocked to prevent it from rolling.
8. Exercise extra caution when working on hillsides or near ditches.
9. The tractor drawbar should be pinned during transport. The maximum speed while transporting the LAND ROLLER should be no more than 18 MPH (29 KPH).
10. Proceed carefully when performing maintenance on the LAND ROLLER. The roller should be on the ground in FIELD POSITION; however, if the nature of the work requires that the LAND ROLLER is in the raised position, being sure to lock cylinders into position.
11. Keep hands and feet from underneath the LAND ROLLER during adjusting procedures.
12. Leave the LAND ROLLER lowered to the ground in FIELD POSITION when not in use.
DO NOT LOWER ON TO GROUND IN TRANSPORT POSITION.
13. Observe all laws and regulations while transporting on public roads.

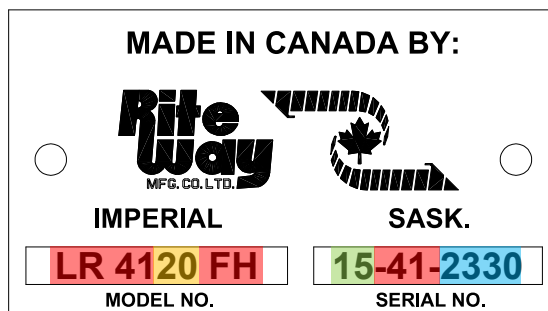
This machine will provide years of trouble-free & safe operation IF all maintenance and safety instructions are followed.

Decal Locations



Decal Locations

Item #	Part #	Description	Qty
1	060-0009	Amber Reflector (3 x 2)	6
2	060-0011	Caution - Escaping Fluid Hazard...	1
3	060-0015	Important - Block Wheels...	1
4	060-0022	Red Reflector (3 x 2)	2
5	060-0028	Warning - Lower or Block Elevated...	1
6	060-0034	Riteway Serial Number Plate	1
7	060-0038	Attention - Insure That All Cylinders Are Retracted...	1
8	060-0046	Grease Every 8 Hours	2
9	060-0067	Warning - Check And Tighten Hub...	1
10	060-0072	Riteway Mfg. (Large Decal, 31 x 5 - White)	2
11	060-0083	4100 – White	2
12	060-0092	Riteway Mfg. (Small Decal, 9 x 4 - White)	2



UNIT SERIES
UNIT SIZE
MODEL YEAR
UNIT NUMBER

Maintenance

General

- *Repack the wheel hubs after the first 500 kilometres of travel ; then yearly thereafter.*
- *Visually inspect the wheel bolts for tightness each day. Torque to 110 lbs ft (149 Nm) after the first few hours of operation and frequently thereafter. (Manufacturer's torque recommendations: 90 to 131 lbs ft (122 Nm to 178 Nm)).*
- *After first eight hours of operation in the field check the roller drum bearing locking collar then check it annually and tighten as necessary.*

Every 8 Hours (Daily)

- Grease all pins. (See decals locations)

Every 100 Hours (Monthly)

- Visually inspect hydraulic hoses & fittings for leaks or damage.

Annually

- Inspect wheel bearings / hubs for tightness and grease.
- Check wheel bolts for tightness and re-torque.
- Check tire pressure. Recommended pressure: 60 psi (14' & 16'); 90 psi (18' & 20').
- Visually inspect unit for loose, worn or damaged components.

Maintenance

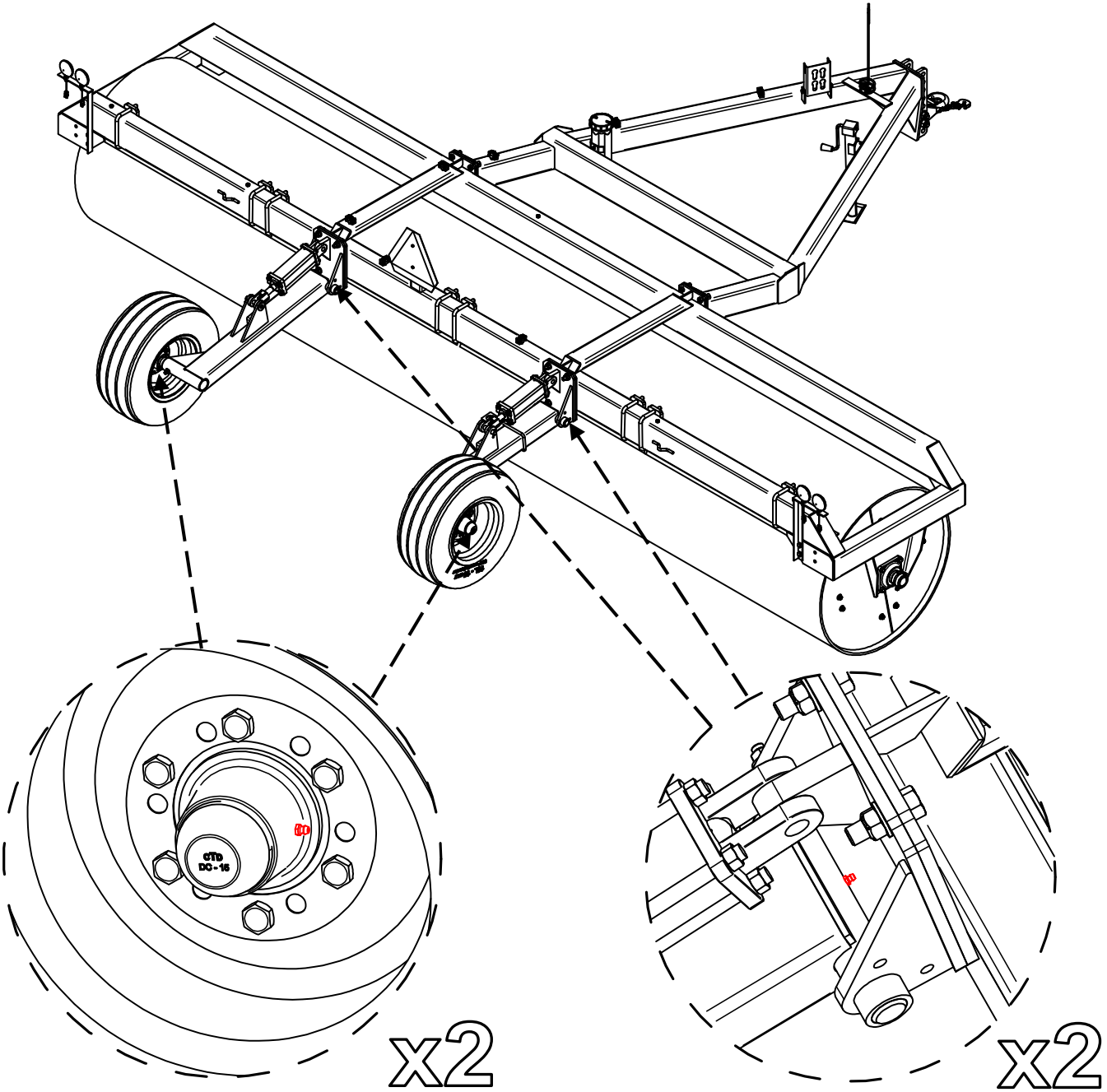
Storage

- Coat any exposed cylinder shafts with thick oil or grease.
- Ensure that parking jacks are situated on firm ground. Failure to do so may cause the hitch to rise sharply as the jack pads sink into the ground.
- Lock all applicable safety pins into place.

NOTE: All fasteners with locknuts that are used to join moving pieces should not be tightened completely to allow for movement.

Maintenance

Grease Locations



Operating Instructions

General Information

NOTE: Always choose a level area when raising and lowering unit into or from transport position.

NOTE: Lubricate all pins, axles and bearings regularly to prevent premature failure of components.

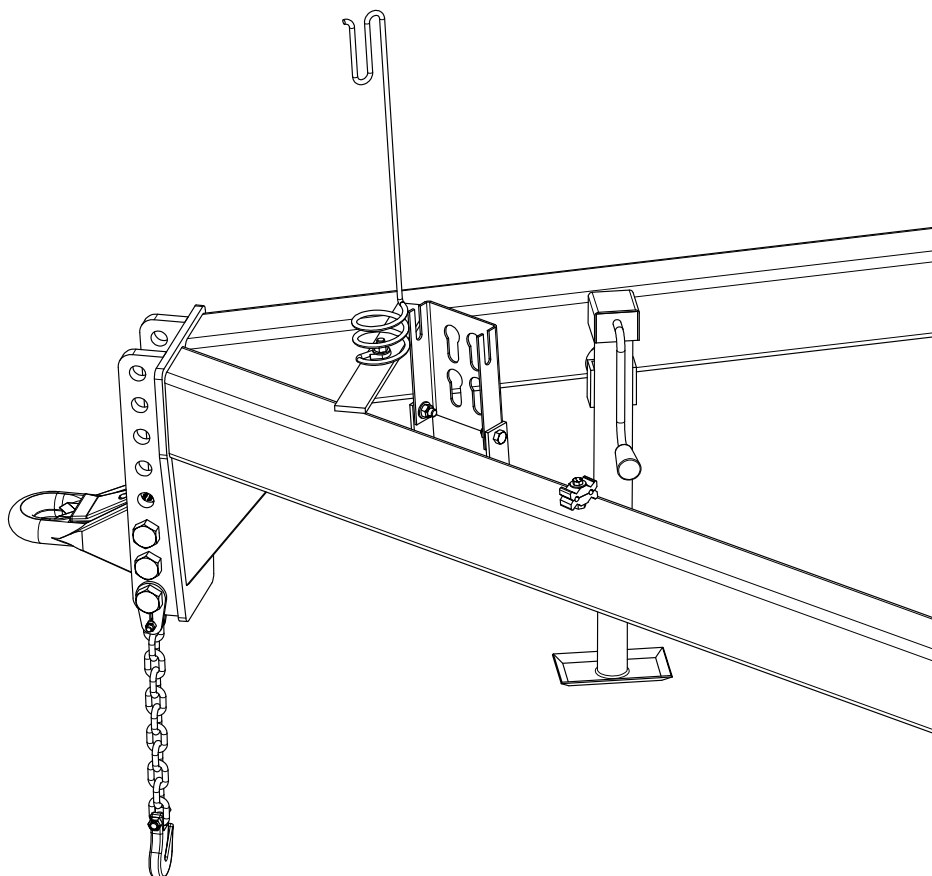
Tractor Hook-Up

- Move tractor into position where pin can be dropped in place through draw bar hitch

NOTE: Use a clevis type tractor hitch with a retained type of hitch pin.

- Retract parking jack and secure in transport position prior to moving machine

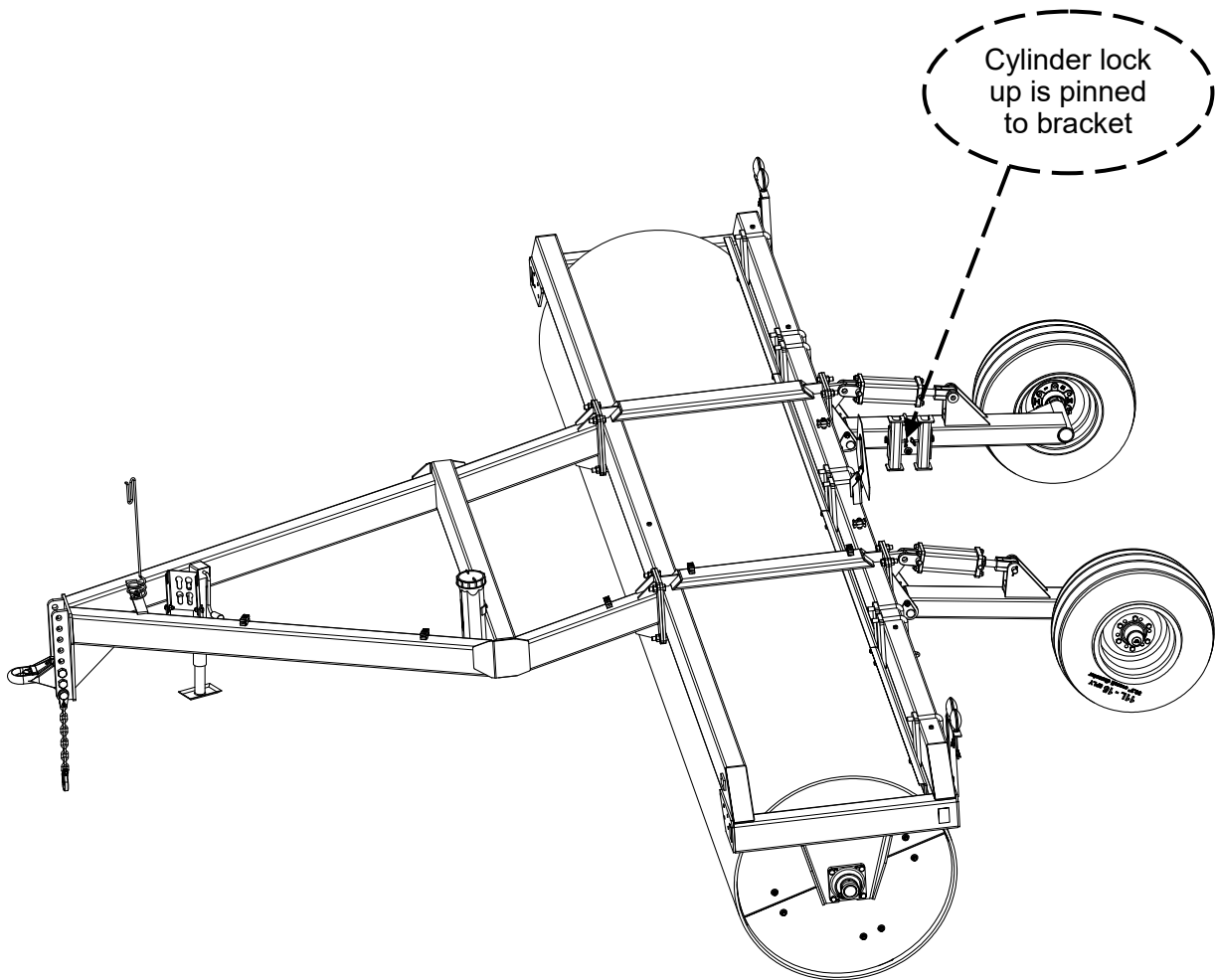
NOTE: Ensure that parking jack handle is secured by chain prior to moving the machine (Failure to do so will destroy the jack handle).



Operating Instructions

Transport to Field Position

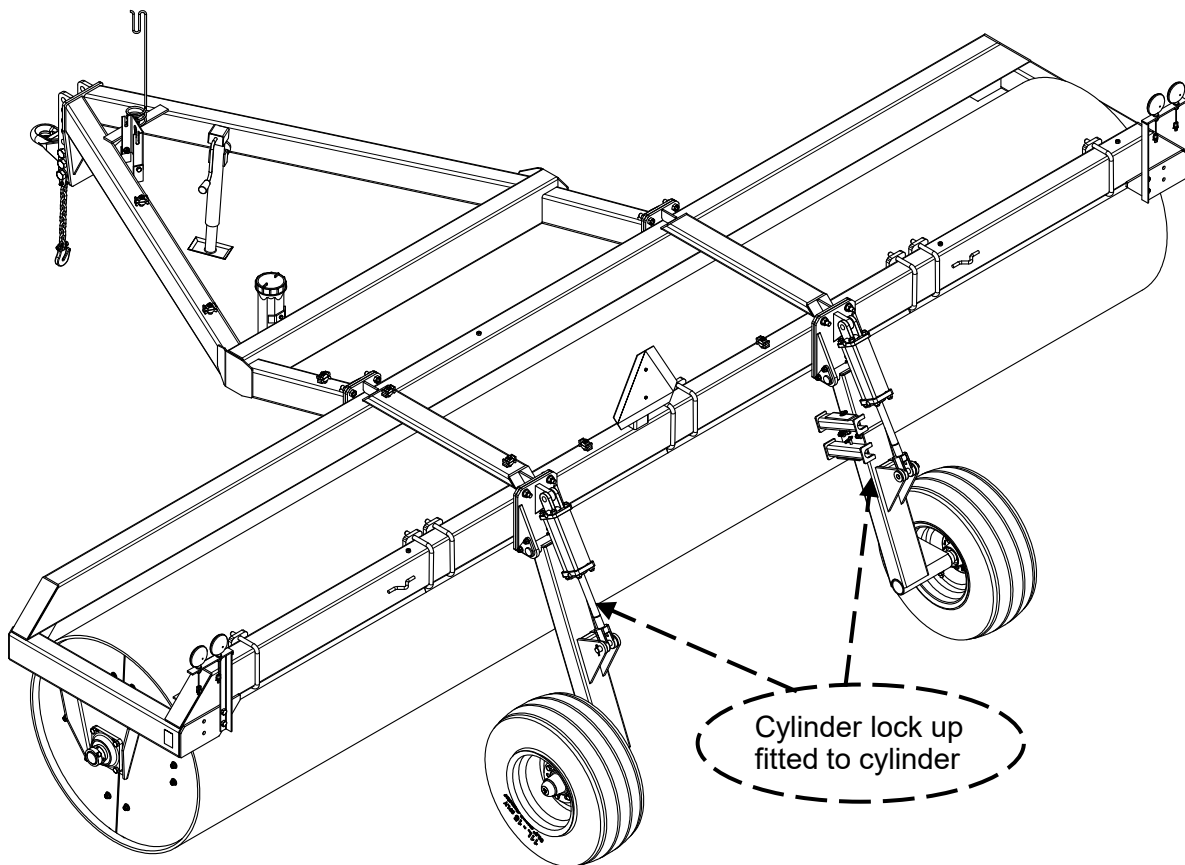
1. Park on level ground.
2. Remove each transport frame cylinder lock up from cylinder and pin into bracket.
3. **FROM INSIDE THE TRACTOR**, lower the unit until the drum and frame are parallel to the ground and just off the ground surface.
4. Retract the transport frame cylinder completely to raise the transport frame .



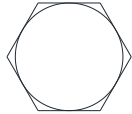
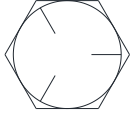
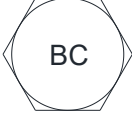
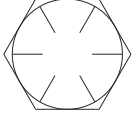
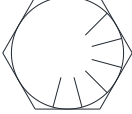
Operating Instructions

Field to Transport Position

1. **STOP** the tractor before trying to lifting up the **LAND ROLLER**
2. Lift the unit slowly just off the ground.
3. Extend the transport frame cylinders completely.
4. Place each transport frame cylinder lock up in place.
5. Unit is now ready for transportation.



Grade Chart

Specification	Material	Size Range (inches)	Min. Proof Strength (psi)	Min. Tensile Strength (psi)	Min. Yield Strength (psi)	Grade Identification Marking
Grade 1	Low or Medium Carbon Steel	1/4 to 1-1/2	33,000	60,000	36,000	
Grade 2		1/4 to 3/4 7/8 to 1-1/2	55,000 33,000	74,000 60,000	57,000 36,000	
Grade 5	Medium Carbon Steel: Quenched and Tempered	1/4 to 1 1-1/8 to 1-1/2	85,000 74,000	120,000 105,000	92,000 81,000	
A325		1/2 to 1 1-1/8 to 1-1/2	85,000 74,000	120,000 115,000	109,000 99,000	
Grade BC	Medium Carbon Alloy Steel: Quenched and Tempered	1/4 to 2-1/2 2-1/2 to 4	105,000 95,000	125,000 115,000	109,000 99,000	
Grade BD		1/4 to 2-1/2 2-1/2 to 4	120,000 105,000	150,000 140,000	130,000 115,000	
Grade 8		1/4 to 1-1/2	120,000	150,000	130,000	
Grade 8.2	Low Carbon Boron Steel: Quenched and Tempered	1/2 to 1-1/2	120,000	150,000	130,000	

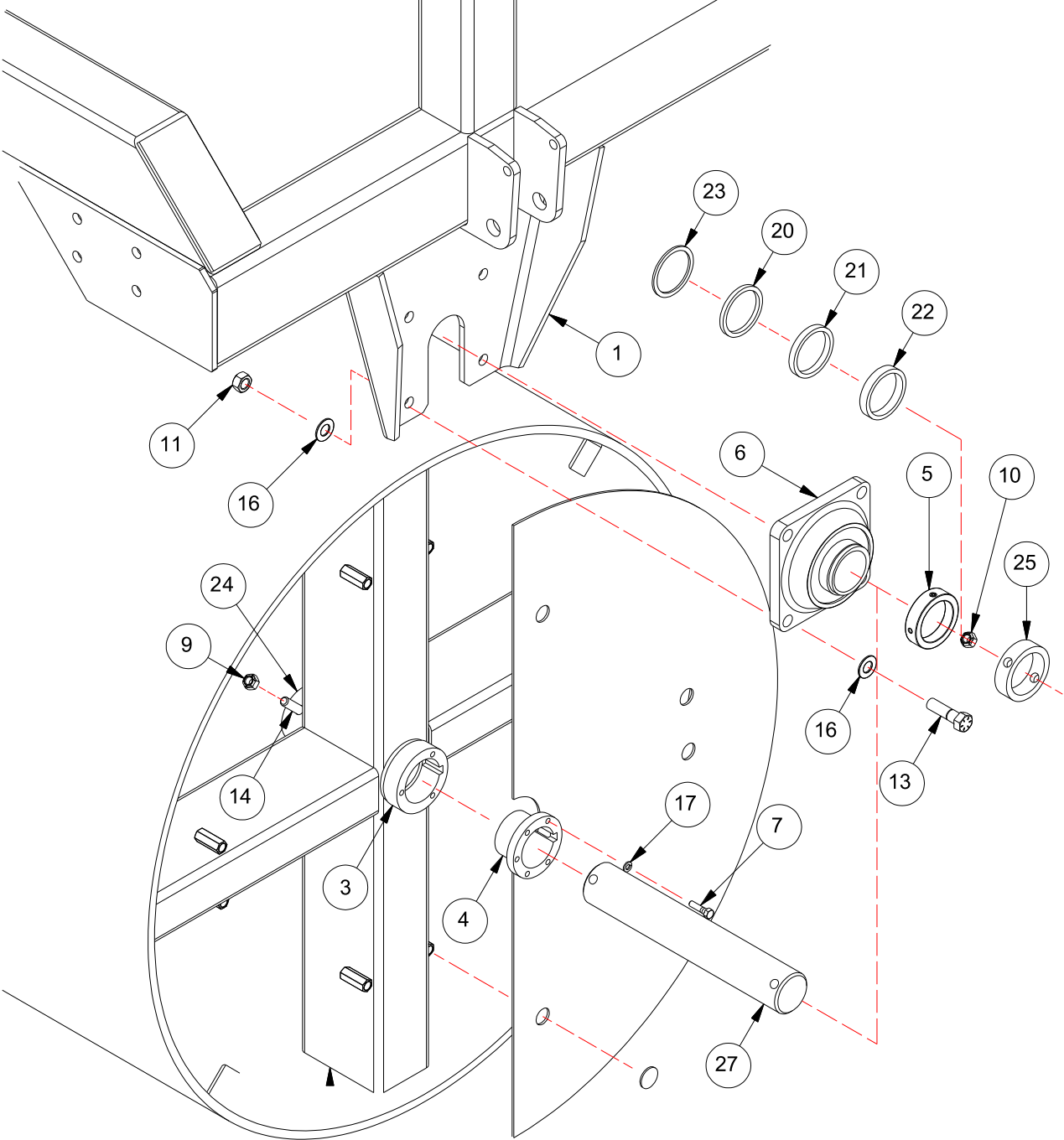
Torque Chart

Nominal Thread Size	Grade 2		Grade 5		Grade 8	
	Clamping Load	Tightening Torque	Clamping Load	Tightening Torque	Clamping Load	Tightening Torque
Coarse Thread						
1/4-20	1,300 lbs	65 in-lbs	2,000 lbs	100 in-lbs	2,850 lbs	143 in-lbs
5/16-18	2,150 lbs	134 in-lbs	3,350 lbs	210 in-lbs	4,700 lbs	305 in-lbs
3/8-16	3,200 lbs	20 ft-lbs	4,950 lbs	31 ft-lbs	6,950 lbs	44 ft-lbs
7/16-14	4,400 lbs	30 ft-lbs	6,800 lbs	50 ft-lbs	9,600 lbs	70 ft-lbs
1/2-13	5,850 lbs	49 ft-lbs	9,050 lbs	75 ft-lbs	12,800 lbs	107 ft-lbs
9/16-12	7,500 lbs	70 ft-lbs	11,600 lbs	109 ft-lbs	16,400 lbs	154 ft-lbs
5/8-11	9,300 lbs	97 ft-lbs	14,500 lbs	151 ft-lbs	20,300 lbs	211 ft-lbs
3/4-10	13,800 lbs	173 ft-lbs	21,300 lbs	266 ft-lbs	30,100 lbs	376 ft-lbs
7/8-9	11,425 lbs	166 ft-lbs	29,435 lbs	430 ft-lbs	41,550 lbs	606 ft-lbs
1-8	15,000 lbs	250 ft-lbs	38,600 lbs	640 ft-lbs	54,540 lbs	900 ft-lbs
Fine Thread						
1/4-28	1,500 lbs	75 in-lbs	2,300 lbs	115 in-lbs	3,250 lbs	163 in-lbs
5/16-24	2,400 lbs	150 in-lbs	3,700 lbs	230 in-lbs	5,200 lbs	325 in-lbs
3/8-24	3,600 lbs	23 ft-lbs	5,600 lbs	35 ft-lbs	7,900 lbs	50 ft-lbs
7/16-20	4,900 lbs	36 ft-lbs	7,550 lbs	55 ft-lbs	10,700 lbs	78 ft-lbs
1/2-20	6,600 lbs	55 ft-lbs	10,200 lbs	85 ft-lbs	14,400 lbs	120 ft-lbs
9/16-18	8,400 lbs	79 ft-lbs	13,000 lbs	112 ft-lbs	18,300 lbs	172 ft-lbs
5/8-18	10,600 lbs	110 ft-lbs	16,300 lbs	170 ft-lbs	23,000 lbs	240 ft-lbs
3/4-16	15,400 lbs	193 ft-lbs	23,800 lbs	298 ft-lbs	33,600 lbs	420 ft-lbs
7/8-14	12,610 lbs	184 ft-lbs	32,480 lbs	473 ft-lbs	45,855 lbs	668 ft-lbs

SECTION 2

Parts Details

Drum Assembly



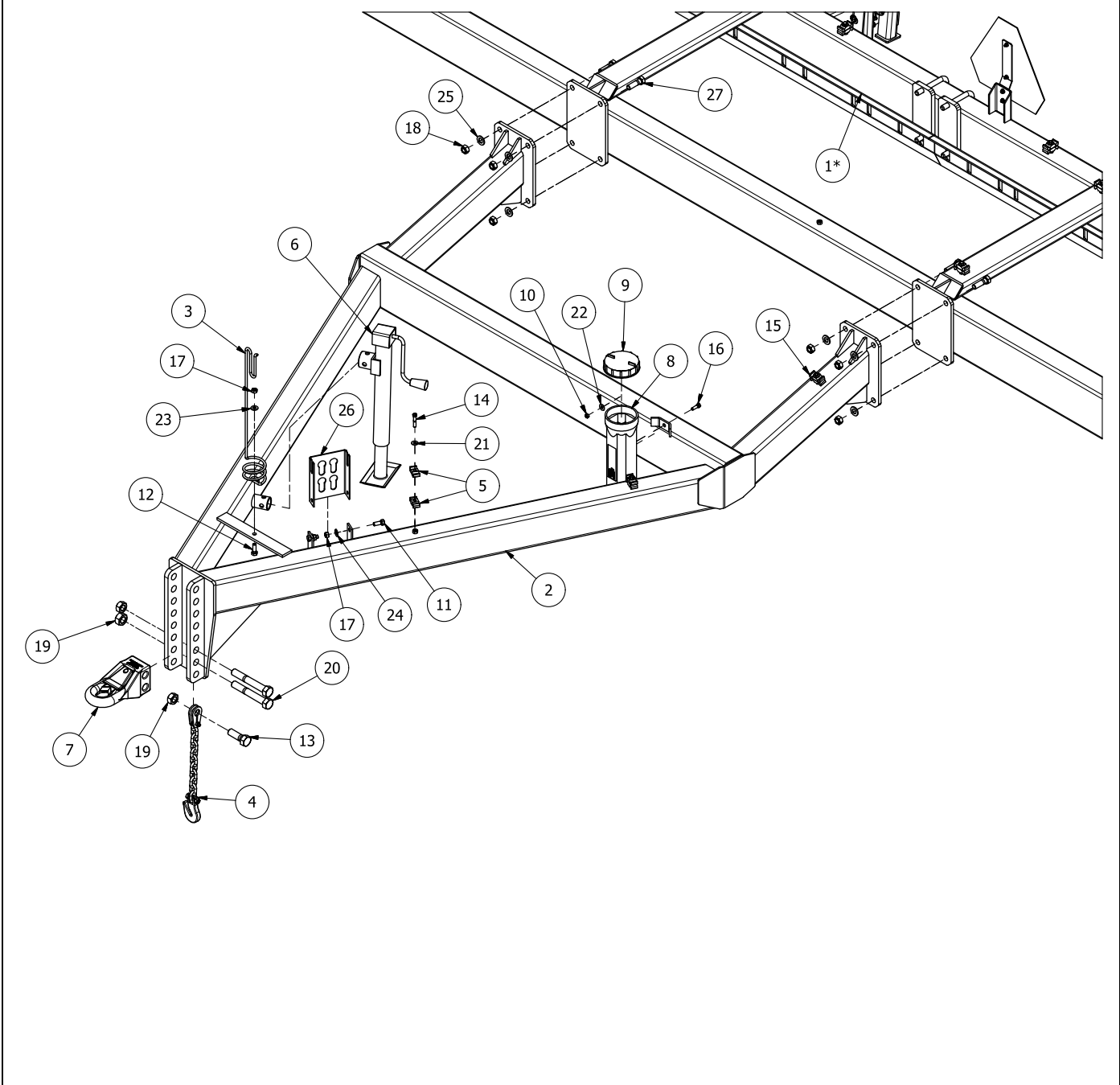
Parts Details

Drum Assembly

Item #	Part #	Description
1	105-1040	20' Main Frame
1	105-1050	18' Main Frame
1	105-1049	16' Main Frame
1	105-1048	14' Main Frame
1	105-1047	12' Main Frame
2	112-0529	Offset Drum Cross c/w Coupling Nuts
3	200-9002	Weld On Bushing
4	261-6001	Ø3-11/16" x 1-5/16" Split Tapered Bearing
5	292-4018	Ø2-7/16" Eccentric Lock Collar, Pltd.
6	292-4022	Ø2-7/16" ID 4-Bolt Flange Bearing - INA
7	525-0510	5/16" x 1-1/4" Capscrew, NC, Gr.5, Pltd.
8	526-0815	1/2" x 1-3/4" Capscrew, NC, Gr.5, Pltd.
9	526-6105	1/2" Stover Lock Nut, NC, Gr.5, Pltd.
10	526-7308	1/2" Stover Lock Nut, NC, Pltd.
11	526-7610	5/8" Stover Lock Nut, NF , Gr.8, Pltd.
12	530-0754	1/2" x 4" Capscrew, NC, Gr.8, Pltd.
13	538-1018	5/8" x 2-1/4" Capscrew, NF , Gr.8, Pltd.
14	540-0836	1/2" x 4-1/2" Socket Head Capscrew, NC, Gr.5, Black
15	550-5208	1/2" Flat Washer, Pltd.
16	550-5617	5/8" SAE Flat Washer, Gr.8 (F436), Pltd.
17	551-4905	5/16" Spring Lock Washer. Black
18	551-5008	1/2" Spring Lock Washer, Pltd.
19	802-2047	Drum Cross Mount Angle
20	805-7017	Spacer, Ø OD x .240w CDSM - 1/4"
21	805-7018	Spacer, Ø OD x .240w CDSM - 3/8"
22	805-7019	Spacer, Ø OD x .240w CDSM - 1/2"
23	805-7041	Spacer, Ø OD x .240w CDSM - 1/8"
24	805-8013	Back Bushing
25	805-8023	Offset Drum Collar, Ø3-1/4" OD x .375w CDSM - 7/8"
26	105-0115	Drum Pipe, Ø42" x .500w Std Pipe - 20'
26	105-0116	Drum Pipe, Ø42" x .500w Std Pipe - 18'
26	105-0471	Drum Pipe, Ø42" x .500w Std Pipe - 16'
26	105-0121	Drum Pipe, Ø42" x .500w Std Pipe - 14'
26	105-0112	Drum Pipe, Ø42" x .500w Std Pipe - 12'
27	827-0017	Replaceable Drum Shaft Ø2-7/16" OD x 14-3/4"
28	835-1044	1/2 Section Drum End Cap

Parts Details

Center Frame & Hitch



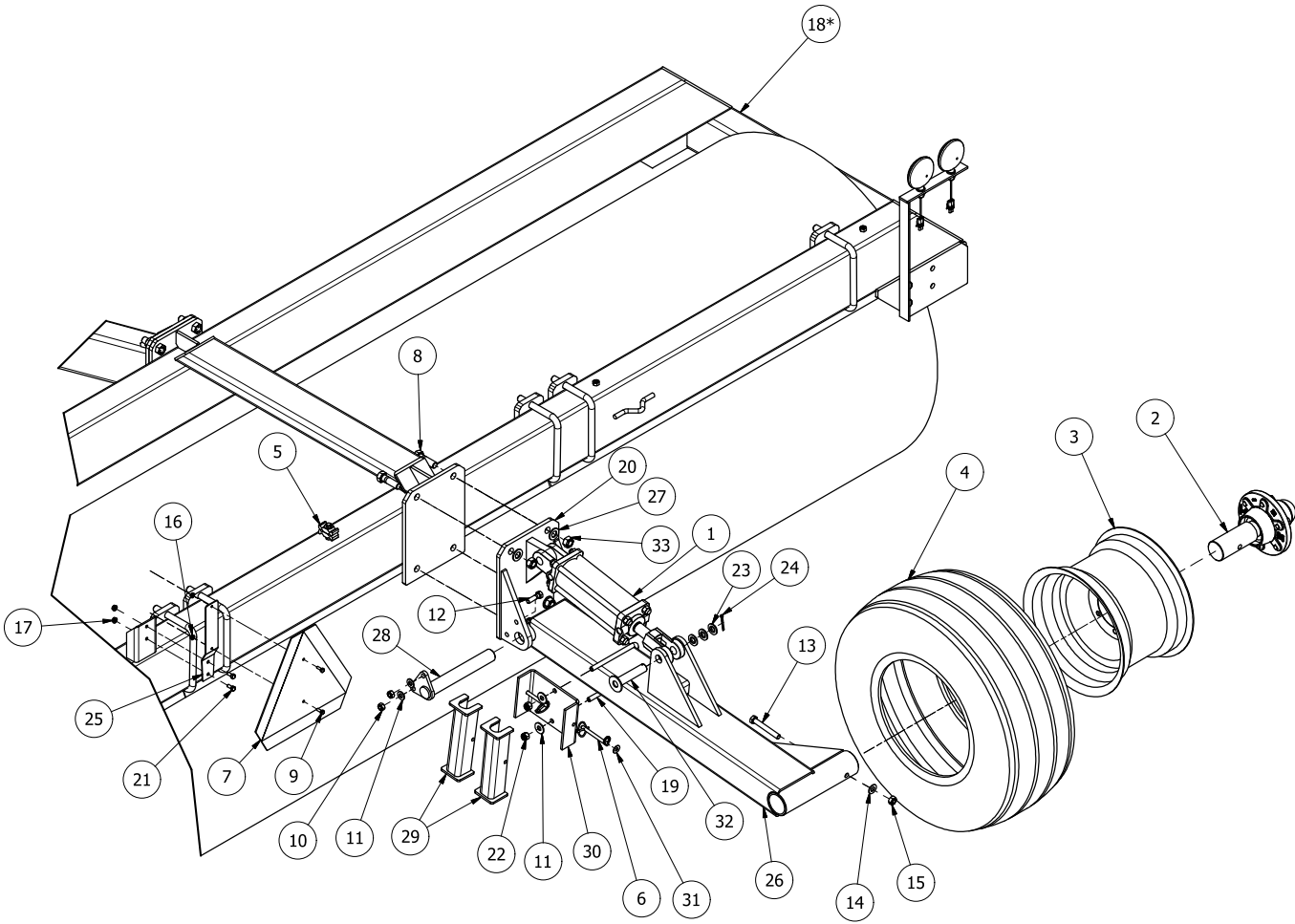
Parts Details

Center Frame & Hitch

Item #	Part #	Description
1	105-1040	20' Main Frame
1	105-1050	18' Main Frame
1	105-1049	16' Main Frame
1	105-1048	14' Main Frame
1	105-1047	12' Main Frame
2	105-1041	Fixed Hitch A-Frame Weldment
3	407-0003	24" Shepherd Hook Hose Standoff
4	409-9050	20,000 lbs. Safety Chain Assembly, Pltd.
5	413-0008	Hydraulic Hose Clamp, Black Plastic
6	420-0145	20" (15" + 5") Side Winder Parking Jack , Lift King
7	423-0001	Perfect Hitch Assembly, refer to Page for 01 Details
8	426-0001	Storage Tube Body, (Both Tube And Cap Part # 426-0003)
9	426-0002	Storage Tube Cap
16	526-0610	3/8" x 1-1/4" Capscrew, NC, Gr.5, Pltd.
11	526-0810	1/2" x 1-1/4" Capscrew, NC, Gr.5, Pltd.
12	526-0812	1/2" x 1-1/2" Capscrew, NC, Gr.5, Pltd.
13	526-1624	1" x 3" Capscrew, NC, Gr.5, Pltd.
14	526-2032	3/8" x 2" Capscrew, NC, Gr.5, Pltd (Scotch Grip)
15	526-2036	3/8" x 2-1/4" Capscrew, NC, Gr.5, Pltd (Scotch Grip)
10	526-6103	3/8" Stover Lock Nut, NC, Gr.5, Pltd.
17	526-6105	1/2" Stover Lock Nut, NC, Gr.5, Pltd.
18	526-6107	3/4" Stover Lock Nut, NC, Gr.5, Pltd.
19	526-7316	1" Stover Lock Nut, NC, Gr.C, Pltd.
20	530-1656	1" x 7" Capscrew, NC, Gr.8, Pltd.
21	550-5205	5/16" Flat Washer, Pltd.
22	550-5206	3/8" Flat Washer, Pltd.
23	550-5208	1/2" Flat Washer, Pltd.
24	550-5308	1/2" SAE Flat Washer, Pltd.
25	550-5312	3/4" SAE Flat Washer, Pltd.
26	835-1011	Tip and Chain Holder, Small, Painted
27	530-1251	3/4" x 2-1/4" Capscrew, NC, Gr.8, Pltd.

Parts Details

Transport Axle



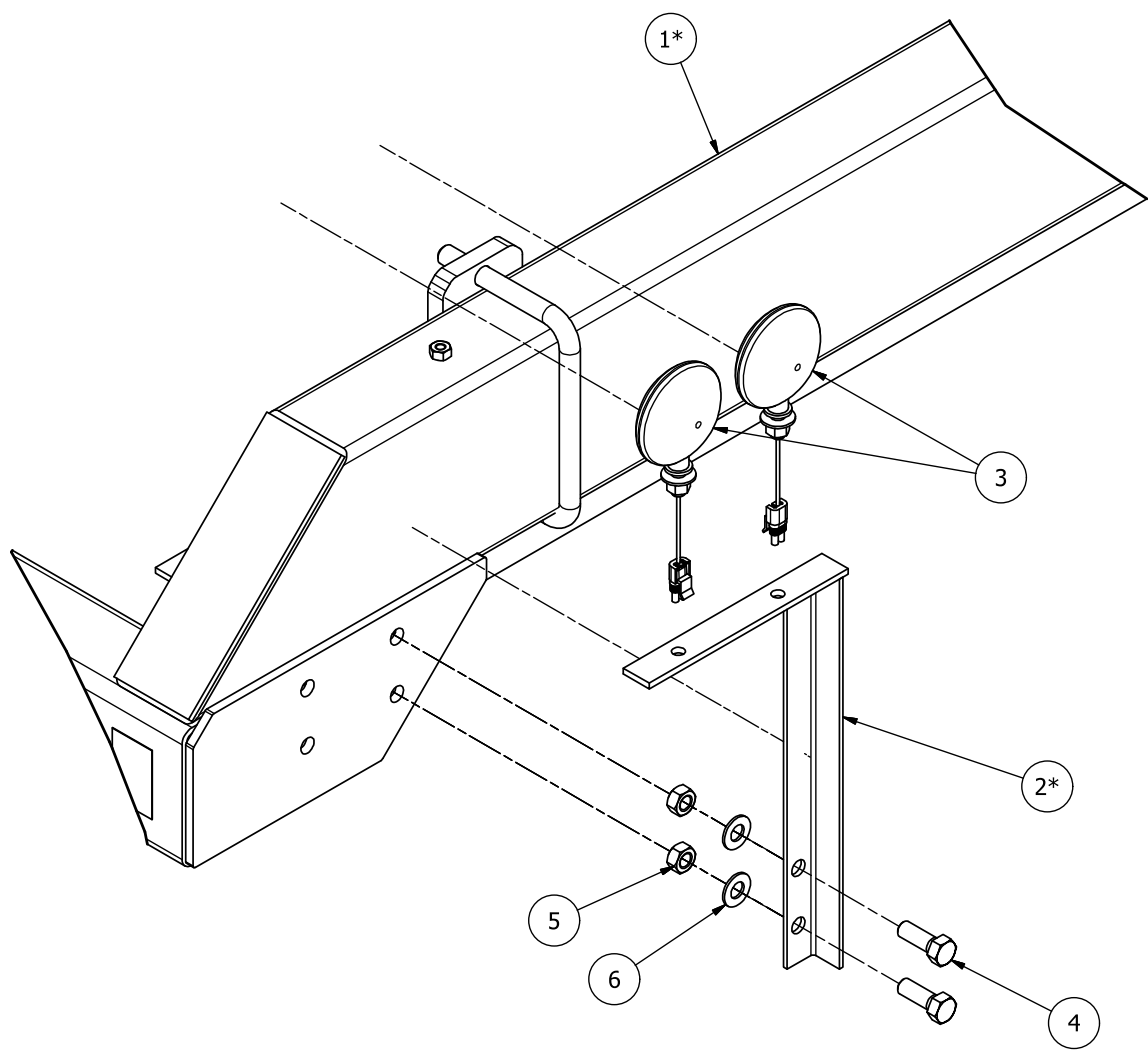
Parts Details

Transport Axle

Item #	Part #	Description
1	030-5935	3-1/2 X 8 SAE CYLINDER, 1-1/4 SHAFT, MONARCH
2	120-1237	618 Hub & Spindle Assembly Ø2-1/2 X 11-3/4
3	204-5565	15" x 8" - 6 BOLT WHEEL RIM OFFSET 1-1/8"
4	205-1180	11L - 15 x 8-Ply Tire
5	413-0008	HYDRAULIC CLAMP, 2 LINE, BLACK PLASTIC
6	422-0007	3/8" X 3" HITCH PIN
7	424-0001	SLOW MOVING SIGN
8	530-1251	3/4" x 2-1/4" Capscrew, NC, Gr.8, Pltd.
9	526-0406	Bolt, 1/4-20 Unc - 0.75, Gr.5, Yellow Zinc Plated
10	526-6105	Nut, Stover Lock, 1/2-13 Unc, Gr.5, Yellow Zinc Plated
11	550-5208	WASHER, FLAT, 1/2 - SAE, YELLOW ZINC PLATED
12	526-0814	Bolt, 1/2-13 Unc - 1.75, Gr.5, Yellow Zinc Plated
13	526-0832	Bolt, 9/16-13 Unc - 4, Gr.5, Yellow Zinc Plated
14	550-5615	9/16" SAE Flat Washer, Gr.8, Pltd
15	526-6112	NUT, STOVER LOCK, 9/16-12 UNC, GR.5, Yellow Zinc Plated
16	526-7104	1/4" Flange Nut, NC, Gr.5, Pltd.
17	526-7105	5/16" Flange Nut, NC, Gr.5, Pltd.
18	105-1040	20' Main Frame
18	105-1050	18' Main Frame
18	105-1049	16' Main Frame
18	105-1048	14' Main Frame
18	105-1047	12' Main Frame
19	546-5155	U-Bolt, 1/2" x 4-1/16" x 7 1/4" IL, 1/2-13 UNC, GR.5, PLTD
20	105-1042	Transport Lift Arm Weldment, Mount
21	526-0508	BOLT, 5/16-18 UNC - 1, GR.5, YELLOW ZINC PLATED
22	526-6208	NUT, NYLOCK, 1/2-13 UNC, GR.5, YELLOW ZINC PLATED
23	550-5316	WASHER, FLAT, 1 - SAE, YELLOW ZINC PLATED
24	556-0906	3/16 X 1-3/4 COTTER PIN, PLTD
25	424-0002	SLOW MOVING SIGN SPADE
26	105-1039	Transport Lift Arm Weldment, Left
26	105-1038	Transport Lift Arm Weldment, Right
27	550-5312	3/4" SAE Flat Washer, Pltd.
28	105-0466	Pivot Pin, 1-1/2" x 13.875" Wld
29	105-0485	Cylinder Lock Up
30	839-0646	Cylinder Lock-UP, Mount
31	559-1501	3/16 X 1-9/16 LYNCH PIN
32	105-0087	Pin, 1", 4-1/4" Long Wld
33	526-6107	NUT, STOVER LOCK, 3/4-10 UNC, GR.5, Yellow Zinc Plated

Parts Details

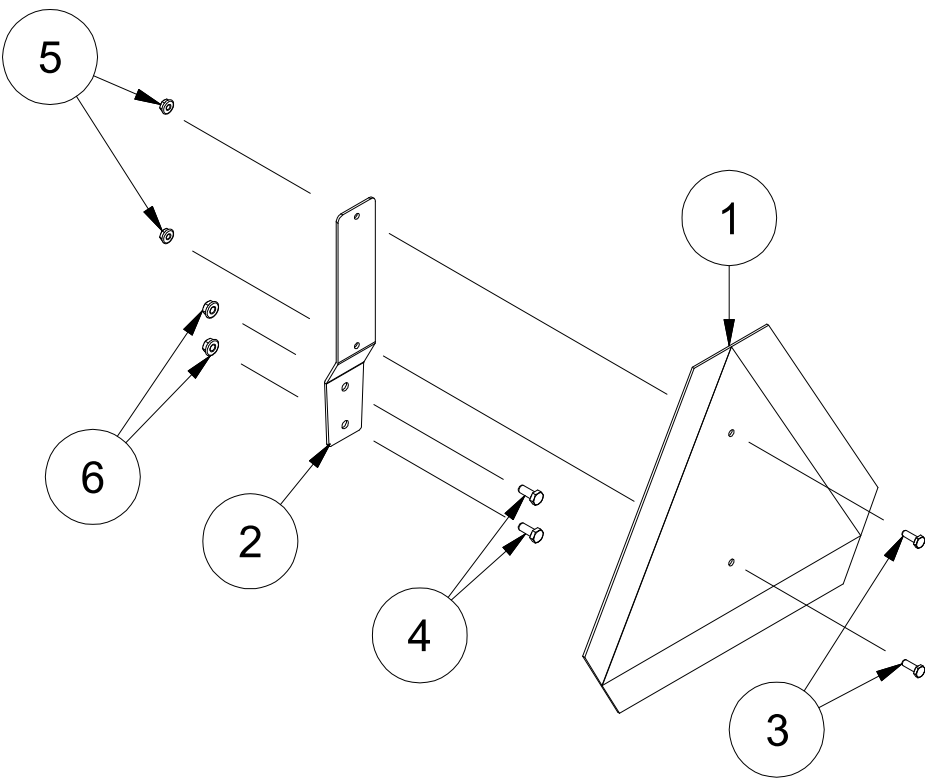
Light Kit



Item #	Part #	Description
1	Varies	Main Frame Weldment
2	105-0487	Light Bracket, Left
2	105-0488	Light Bracket, Right
3	417-0018A	AMBER WARNING LIGHT C/W HARDWARE
4	526-0610	BOLT, 3/8-16 UNC - 1.25, GR.5, YELLOW ZINC PLATED
5	526-5206	NUT, NYLOCK, 3/8-16 UNC, GR.5, YELLOW ZINC PLATED
6	550-5306	WASHER, FLAT, 3/8, GR.5, YELLOW ZINC PLATED

Parts Details

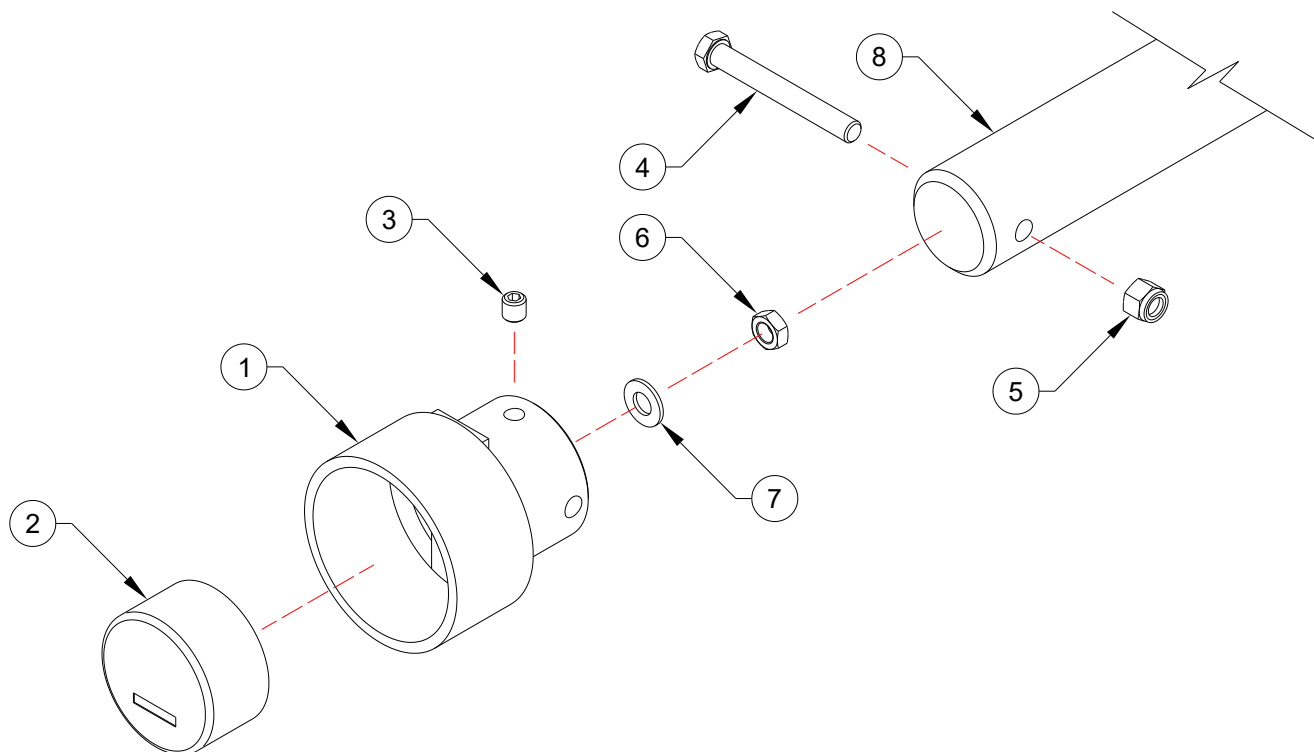
Slow Moving Sign



Item #	Part #	Description
1	424-0001	<i>Slow Moving Sign</i>
2	424-0002	<i>Slow Moving Sign Spade</i>
3	526-0406	<i>1/4" x 3/4" Capscrew, NC, Gr.5, Pltd.</i>
4	526-0506	<i>5/16" x 3/4" Capscrew, NC, Gr.5, Pltd.</i>
5	526-7104	<i>1/4" Flange Nut, NC, Gr.5, Pltd.</i>
6	526-7105	<i>5/16" Flange Nut, NC, Gr.5, Pltd.</i>
	424-0003	<i>Slow Moving Sign Kit</i>

Parts Details

Acre Meter

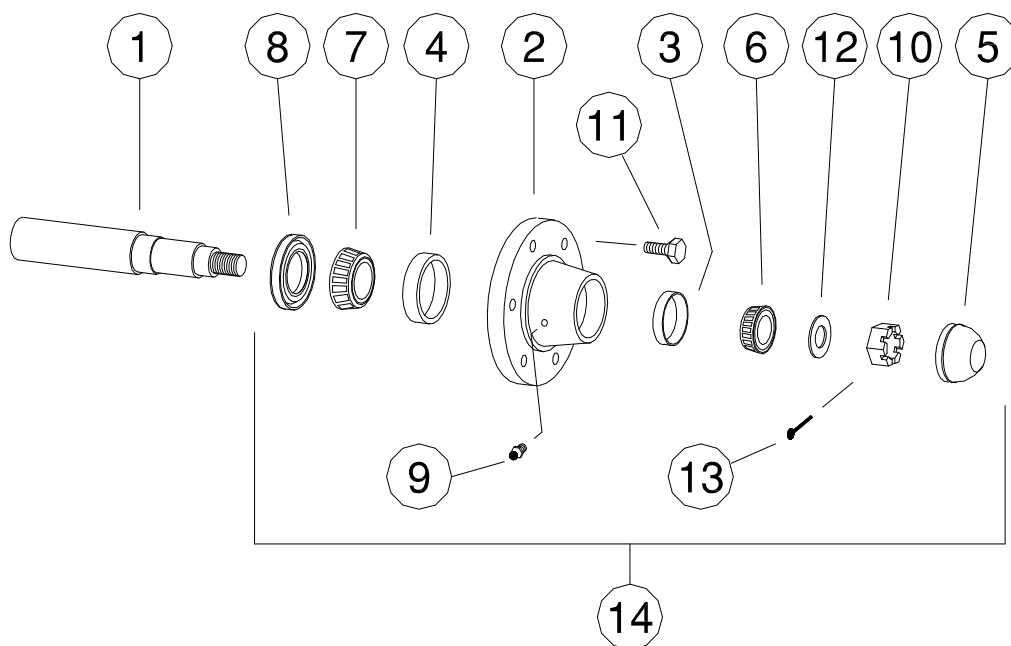


Item #	Part #	Description
1	112-0258	Acre Meter Housing (Ø4") Measure before ordering replacement meter
2	Varies	Arce Meter To Order an Acre Meter Please Call Forster Toll Free # 1-800-661-2994
3	518-0608	1/2" x 1/2" Set Screw, NC, Black
4	526-0832	1/2" x 4" Capscrew, NC, Gr.5, Pltd.
5	526-7508	1/2" Stover Lock Nut, NC, Gr.5, Pltd.
6	525-6108	1/2" Jam Hex Nut, NC, Gr.5, Pltd.
7	550-5208	1/2" B.S. Flat Washer, Pltd.
8	827-0017	2-7/16"Ø x 14-3/4" Replaceable Drum Shaft

NOTE: Use *Loc-Tite* with jam nut when assembling to housing. **DO NOT OVER TIGHTEN.**

Parts Details

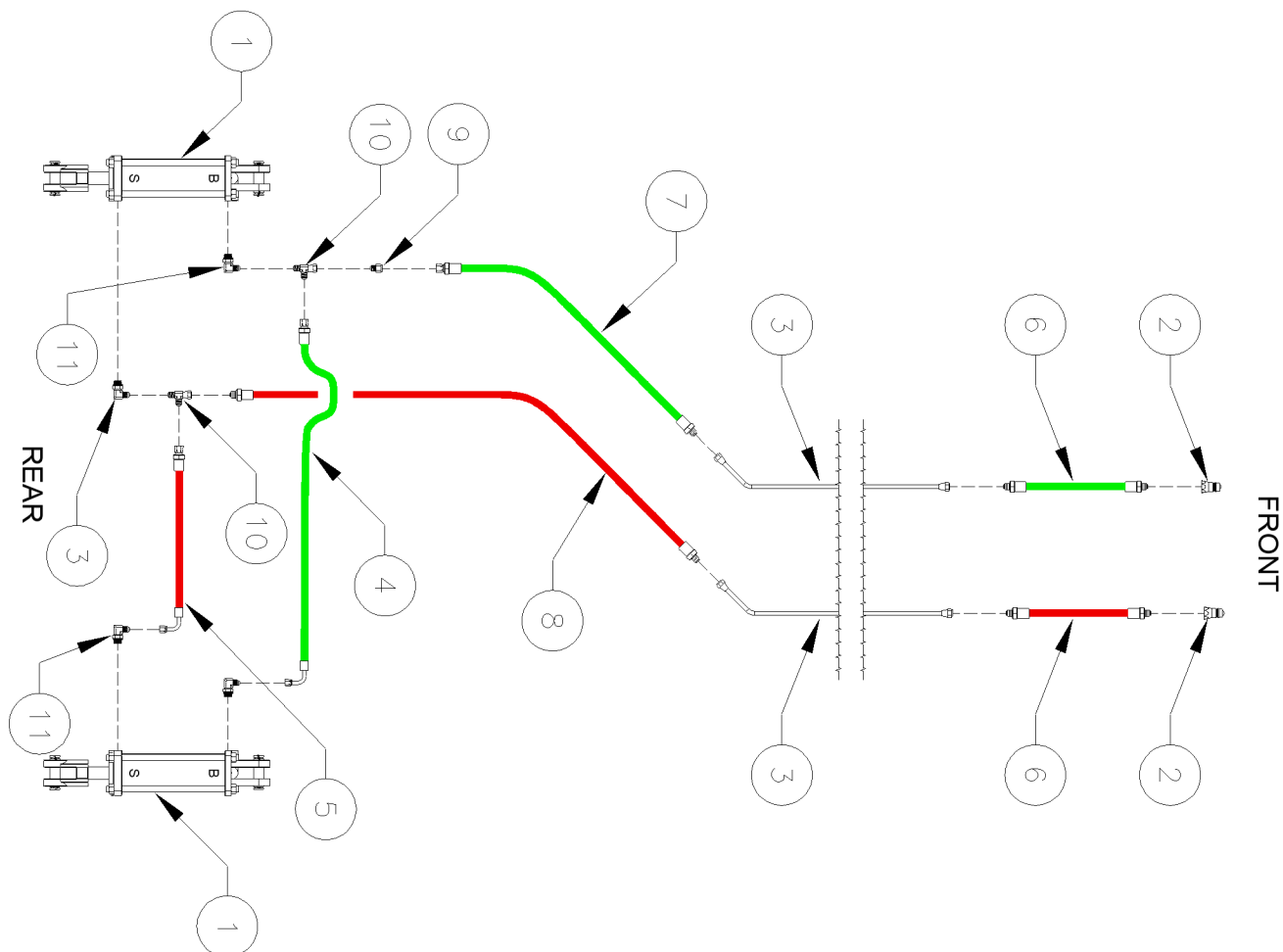
Hub & Spindle



Item #	Part #	Description
1	203-6046	618 SPINDLE
2	020-6007	618 HUB
3	201-5523	OUTER CUP
4	201-5525	INNER CUP
5	202-6005	DUST CAP
6	290-5515	OUTER BEARING
7	290-6019	INNER BEARING
8.	295-5576	SEAL
9	419-0004	1/4" NF STRAIGHT GREASE NIPPLE
10	534-7816	1" NF CASTLE NUT
11	543-5562	9/16" X 1-3/4" WHEEL BOLT UNF
12	554-5303	SPINDLE WASHER
13	556-0614	3/16" X 1-3/4" COTTER PIN
14	120-1237	618 HUB & SPINDLE ASSEMBLY

Parts Details

Hydraulic Components



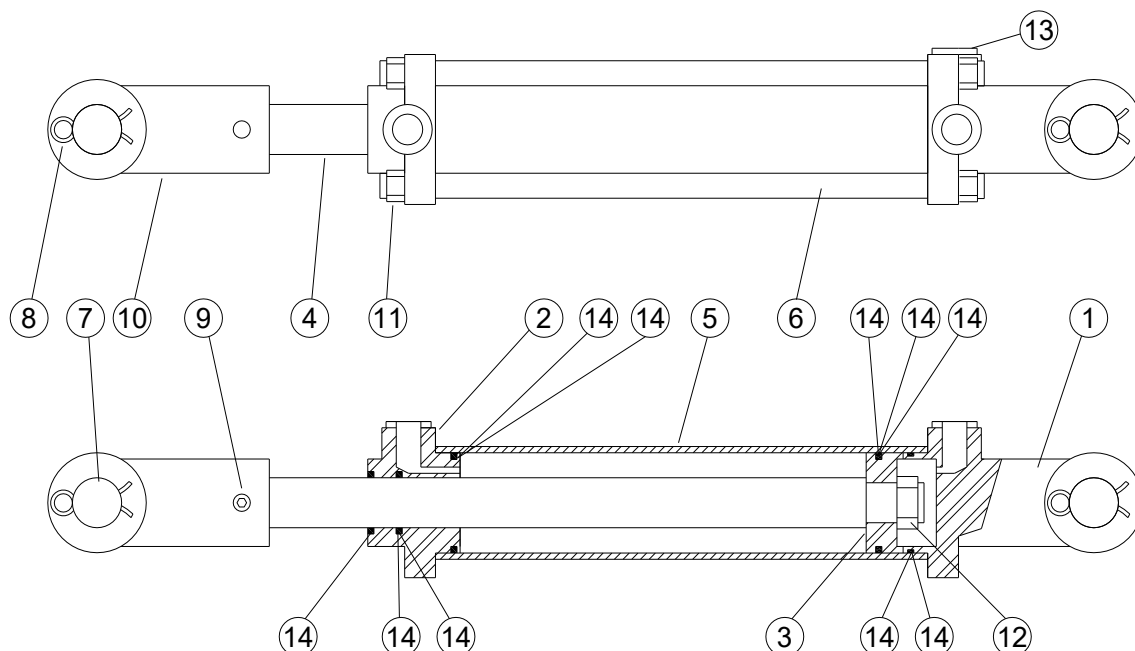
Item #	Part #	Description	QTY
1	030-5989	CYLINDER, TIE ROD, 3-1/2 X 8	2
2,6	308-0001	3/8" JIC SW. F X 1/2" NPT. MALE 96" W/TIP	2
3	311-2066*	3/8" JIC SW.F X 3/8" JIC SW.F 66" HARD LINE	2
4	313-4081	3/8" JIC SW.F X 3/8" JIC SW.F 90° 81"	1
5	313-4100	3/8" JIC SW.F X 3/8" JIC SW.F 90° 100"	1
7	313-7876	3/8" JIC SW.F X 3/8" JIC M 76"	1
8	313-7886	3/8" JIC SW.F X 3/8" JIC M 86"	1
9	317-5679	3/8" JIC F x 3/8" JIC M RESTICTED UNION	1
10	318-5705	3/8" JIC SW.F (RUN) X JIC MALE TEE (RUN & BRANCH)	2
11	319-5710	1/2" ORB M X 3/8" JIC M 90°	4

Parts Details

MONARCH 3-1/2" x 8" x 1-1/4"

MONARCH PART NUMBER 645665

RITE WAY PART NUMBER 030-5935



Item #	Monarch Part #	RiteWay Part #	Description
1	492676		Clevis Cap
2	492677		Rod Cap
3	494738		Piston
4	492700		Rod
5	467310		Tube
6	492340		Tie Rod
7	134953		Cylinder Pin
8	134995		Cotter Pin
9	148390		Set Screw
10	492652		Rod Clevis
11	128271		Tie Rod Nut
12	129110		Piston Hex Nut
13	186562		Port Plug
14	639561		Seal Kit

NOTES

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