



INNOVATION WORKING FOR YOU

RR48
RR60 & PTORR60
RR72 & PTORR72
RR84 & PTORR84

Roto-Rake Operator and Parts Manual



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Record your product information for future reference:

Model Number: _____

Serial Number: _____

In Service Date: _____

Sold By: _____

INTRODUCTION

Thank you for choosing the REIST ROTO-RAKE.

We feel confident that this equipment will meet your expectations in workmanship, reliability and performance when used as designed. This manual is to assist you with the safe operation of the REIST ROTO-RAKE. It also has a parts list to help you when replacement parts are required. Any person who will be assembling, attaching, maintaining, or operating this product and the prime mover to which it is attached, are required to read and completely understand the information and instructions contained in this manual and that of the prime mover. Always obtain further assistance by contacting the dealer from which this product was purchased or by contacting REIST Industries at the telephone number or address below. Keep this manual available for reference whenever this product is being handled or used and we recommend that it is reviewed periodically and before seasonal use. Provide this manual to any new owners and/or operators and ensure they fully understand the safe operation of this equipment before it is placed in service.

Replacement copies of this manual are available for downloading at:
www.reistindustries.com

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The illustrations and information contained within this manual were current at the time of publication. Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. The illustrations do not necessarily show the standard version of product offered by REIST Industries.

PRODUCT CONFIGURATION

To ensure that the right ROTO-RAKE is matched to the prime mover, REIST ROTO-RAKE models are as follows:

ROTO-RAKE

Model	Working Width	GPM	Pounds	Kilograms	Mount
RR48	48"	10 to 20	725	330	Mini Skid Steer adaptor
RR60	60"	18 to 35	1150	522	
RR72	72"	18 to 35	1220	555	
RR84	84"	18 to 35	1280	580	

With optional Valve Manifold add 120 lbs (55 kg)

PTO ROTO-RAKE

Model	Working Width	PTO Spline & RPM	Hp	TPH Mount Cat	Pounds	Kilograms
PTORR60	60"	540	35-55	1 & 2	1520	690
PTORR72	72"	540	35-55	1 & 2	1600	725
PTORR84	84"	540	35-55	1 & 2	1650	750



WARNING!

Exceeding the recommended specifications can result in damage to the equipment and will void all REIST Industries warranties.

The following references are used throughout this Operator's and Parts Manual:

Attachment, Implement	Refers to the ROTO-RAKE whether attached or separate from the prime mover
Prime Mover	The engine-driven machine to which this product is attached
Equipment	Refers to the Implement and or prime mover whether separate or connected
WARNING, DANGER, IMPORTANT	A notice that relates to the safe and efficient operation of the ROTO-RAKE or prime mover. Read and understand the reference before attaching or operating the ROTO-RAKE or the prime mover.

GENERAL SAFETY PRECAUTIONS

Careful operation is the best assurance against accidents. It is the owner's responsibility to make sure that all operators read and understand this manual and follow the recommendations, cautions and warnings before connecting to a prime mover and operating the equipment. The REIST ROTO-RAKE was designed for use to grade and level all types of soil including stone dust, gravel or similar products.

Familiarize yourself with all controls and know how to quickly stop the equipment and all rotating parts in the case of an emergency.

Never let an untrained person or a child operate equipment.



WARNING!

DO NOT MODIFY THE ROTO-RAKE OR PRIME MOVER

Modifications may weaken the integrity of the ROTO-RAKE and may impair the operation, safety, and performance of the product. When making repairs, only qualified technicians using the manufacturer's genuine parts, following authorized instructions, shall attempt the repair. Never modify any ROPS (Roll Over Protection Structure) or FOPS (Falling Object Protective Structure) equipment or other safety device or remove guarding. Any modifications must be sanctioned in writing by an authorized representative of the manufacturer.



WARNING!

MAINTAIN AND REPAIR EQUIPMENT SAFELY

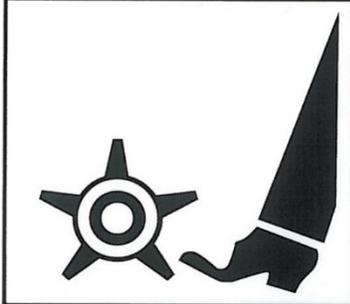
- Do not wear loose clothing, or any accessories that can catch in moving parts
- If you have long hair, cover or secure it so that it does not become entangled in the equipment
- Work on a level surface in a well-lit area.
- Always lower raised equipment to the ground or securely support it to prevent unintentional movement
- Remove and retain the prime mover's ignition key
- Use the correct tool for the job at hand. Make sure they are in good condition for the task required
- Wear the protective equipment specified by the tool manufacturer
- Use care when working on hydraulic systems and understand how to check for and release trapped hydraulic pressure



WARNING!

STAY CLEAR OF ROTATING OBJECTS

Keep hands, feet and clothing away from power driven rotating parts.



Never use your hands to clear if clogged. Never allow anyone to reach into the rotor housing. The rotor can crush and/or dismember. Keep everyone clear of the rotor until the prime mover engine is off and the hydraulic pressure has been relieved.

OPERATION AND TRANSPORTATION ON PUBLIC ROADS AND AREAS

Always adhere to the local laws and regulations concerning traveling or operating on public roadways and areas. Clean all lights, reflectors and mirrors ensuring that all lighting is in working order before moving. Know the area! i.e. Elevations, steep side drop offs. Watch out for pedestrians and use caution when approaching pedestrians, hazardous objects (stones, etc.) may inadvertently be discharged. Do not engage or disengage the PTO while roading. Always be alert while transporting or operating the equipment. Select a safe ground speed when transporting from one area to another. When operating, or driving on roadways, travel in such a way that faster moving vehicles may pass you safely.

SAFETY DECALS

Contact REIST Industries if replacement safety signs are required.

DECAL PART NUMBERS

Item	Part Number	Description
	DD100	Drive Line Decal
	Serial	Serial Number Plate
	WD107	WARNING Rotating Knives & Spikes
	WD103	Read Manual Decal
	RD107	REIST Decal
	RD115	Made in Canada Decal
	WD105	Flying Objects Decal



WARNING!

READ OPERATOR'S MANUAL BEFORE OPERATING

Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, understand the machine's capabilities, dimensions, and all safety requirements. Refer to your operator's manual for these instructions.

- Do not operate an engine in confined or non-ventilated area
- Do not perform adjustments or repairs with the engine running
- Always lower raised equipment to the ground or securely support it to prevent unintentional movement
- Do not operate on excessive inclines or side slopes – know the limitations of the prime mover – be careful when turning on slopes as a rollover condition may exist
- Never carry passengers
- Keep bystanders away from the machine when in operation
- Be aware of pedestrians
- Know how to quickly stop the equipment and all rotating parts in the case of an emergency
- Stop the prime mover, lower implements and turn off the engine before dismounting
- Refer to the prime mover's Operator's Manual for additional information

MAINTENANCE

Refer to the General Safety Precautions, page 6 of this manual before performing any maintenance.

1. Always ensure the ROTO-RAKE is properly installed, the prime mover is positioned on a level surface with the park brake set and the ROTO-RAKE positioned on the ground
2. Shut-off the engine and remove and retain the ignition key
3. Chock the wheels to prevent movement and release residual hydraulic pressure
4. Grease hinge points every 50 hrs.
5. At the beginning of each season, ensure that all fasteners are properly torqued, all safety guards are in place and that operator's manual is reviewed and understood
6. At the end of season, perform all maintenance activities protect exposed hose ends and the PTO drive splines (if equipped). Always check for missing or damaged parts and repair as required

ADDITIONAL MAINTENANCE FOR THE PTO SERIES

1. Check oil level in sight glass. Use a Universal hydraulic oil if top is required
2. Change filter as instructed on next page
3. Grease PTO crosses if applicable daily (or 8 hours of operation) with EP2

In-tank Filter Servicing



Check the filter service indicator.

- Check to see that the OEM specified service interval has been reached or that the service indicator shows that the filter is due for servicing.



Turn system off and release pressure.

- Ensure that the hydraulic system is turned off.
- Check that there is no pressure present.



Remove the housing cover.



Remove the used filter, gasket and spring, if applicable.

- Remove the filter as gently as possible.
- Avoid contaminant dropping into the clean side of the housing.
- Properly dispose of the cartridge, seal and spring.



Clean the filter mount, cap, inside of the housing and cover.

- Clean out any sediment from the inside of the filter housing.



- Wipe away any sediment on the outside of the filter cover.



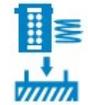
Inspect the new filter cartridge for damage.

- Check the new filter you will be installing for any shipping and handling damage.



Lubricate the filter gasket and cover seal.

- Lubricate the new filter cartridge O-ring and cover seal with clean system oil.



Install new filter and spring, if applicable.



Reinstall the housing cover.

- Refit the cover following any instructions given.



Bleed the system and check for leaks.

SETUP INSTRUCTIONS

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE PRIME MOVER'S MANUAL(S).

Refer to the operator's manual(s) for your prime mover and follow the mounting instructions contained therein.



WARNING!

STAY CLEAR OF ROTATING OBJECTS

Keep hands, feet and clothing away from power driven rotating parts.

SKID-STEER HOOKUP INSTRUCTIONS

The standard ROTO-Rake has a universal Skid Steer mount. Attach Skid steer to Roto-Rake and attach the two Hydraulic hoses. If equipped, attach the 14-pin plug which operates the angling cylinders. Different makes of skid steers have different wiring configurations. You might have to rewire or get a convertor plug from your skid steer dealer.

OPERATION OF ROTO-RAKE

- Be sure the area is clear of all bystanders
- Refer to the prime mover starting instructions
- Lower ROTO-RAKE to ground, putting skid steer arms in float position.
- For leveling control, you want the weight on the wheels of the Roto-Rake
- Tip the bucket cylinders of the skid steer until tips of rotor are at desired depth.

TPH HOOKUP INSTRUCTIONS

The PTO ROTO-RAKE hitch has category one or two. Use the proper pin sizes when attaching the ROTO-RAKE to the prime mover. Do not attach the PTO driveline at this time.

- a. Always ensure that the PTO shaft is proper length! Make sure PTO shaft doesn't bottom out or come apart throughout the range of movement for the 3 PTH.
- b. Connect the ROTO-RAKE to the lower arms of the 3-point hitch. Be sure the 3-point hitch is set in the non-sway position (See prime mover manual for details)
- c. Measure the distance from the end of the prime mover PTO shaft to the end of the gear box shaft on the ROTO-RAKE
- d. Lay driveline on flat surface and measure the distance from one end to the other in the most collapsed position

- e. If distance from the end of the prime mover PTO shaft to the end of the gear box shaft on the ROTO-RAKE is greater than 9" more than the overall length of the collapsed driveline, the driveline may be too short. When the PTO shaft is at the longest position there should be a minimum of 3" overlap.
- f. Once the driveline is installed, connect the upper link
- g. When it is safe to do so, slowly lift the ROTO-RAKE thru the complete arc of the 3-point mount. Make sure driveline does not bottom out at anytime throughout the arc. Make sure the driveline shields are in place and do not separate

-Note a 540 rpm PTO drive has 6 splines or teeth and is 1 3/8 inch in diameter.

OPERATION OF PTO ROTO-RAKE

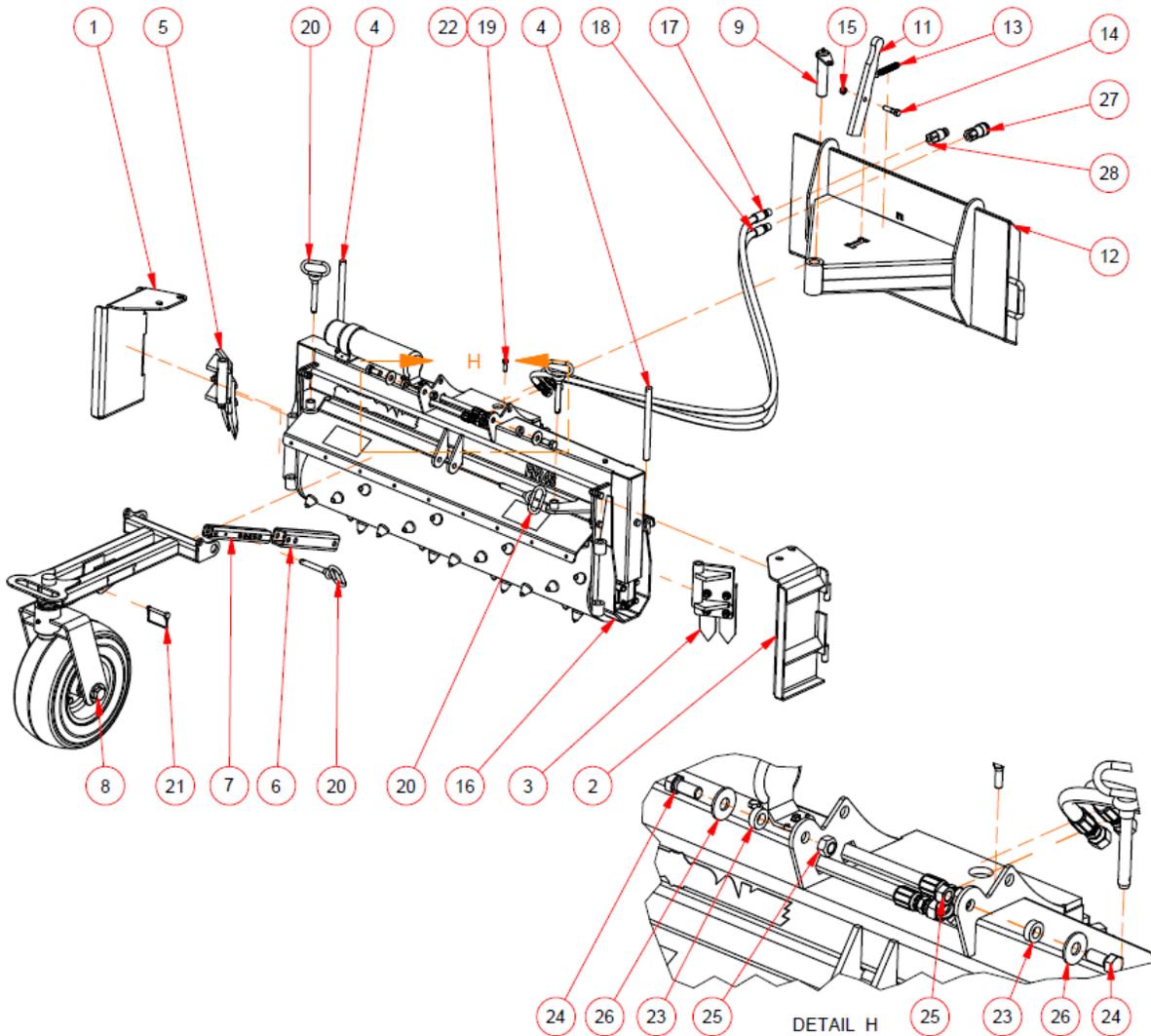
- Be sure the area is clear of all bystanders
- Refer to the prime mover starting instructions
- Always use proper pin and bushing sizes when attaching Roto-Rake to tractor.
- Stabilized 3 PTH arms to centre.
- Lower ROTO-RAKE to ground, putting 3 PTH lever to max. down position.
- Adjust top link until tips of rotor are at desired depth.

GROUND SPEED:

- Travel speed is governed by the condition of the surface being graded.
- The deeper the cut and harder the material the more power is required and the speed has to be adjusted according.

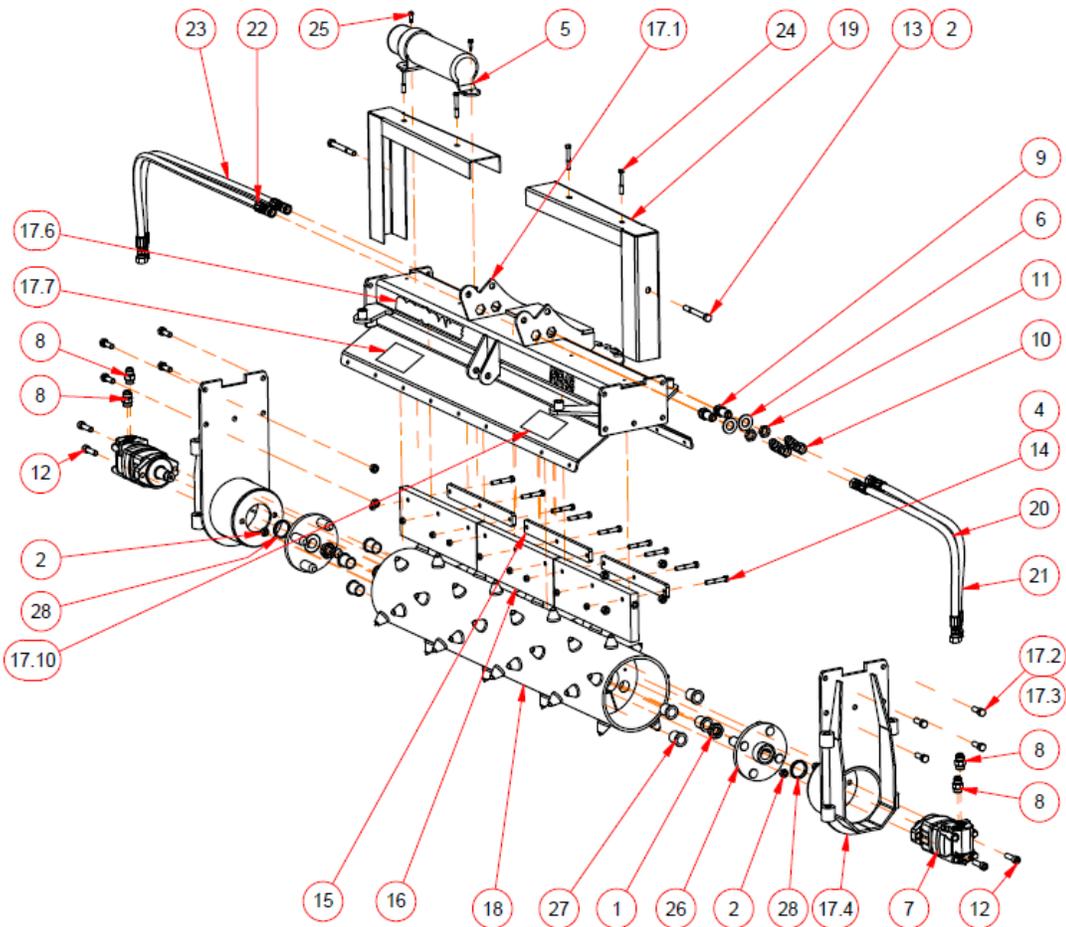
RR48 Parts

RR48 MAIN ASSEMBLY



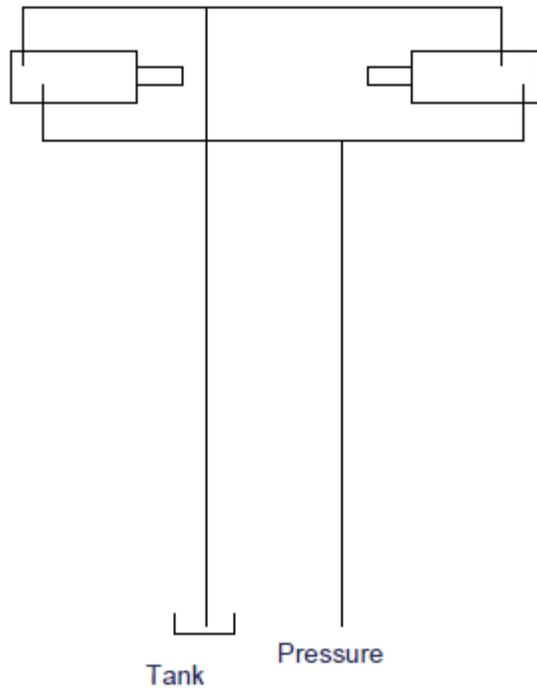
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	100183	Side Gate	15	1	12CLN	NC Lock Nut
2	1	100188	Side Gate Left	16	1	114823	Roto Rake 48
3	1	100192	Plow Attachment	17	1	114867	Hydraulic Hose H24508-08U610-08U610-55
4	2	100193	Pin	18	1	114869	Hydraulic Hose H24508-08U610-08U610-55
5	1	100194	Plow Attachment Left	19	1	38114	Hex Bolt
6	1	114742	Slider Tube	20	4	384502	Draw Pin 58
7	1	114743	Slider Tube Inner	21	1	387113	Pin
8	1	114805	Wheel Attachment	22	1	38CLN	NC Lock Nut
9	1	114816	Pin	23	2	5100	Bushing
10	1	114820	Base Swivel Frame	24	2	58112	Hex Bolt
11	1	100185	Lock Lever	25	2	58CLN	NC Lock Nut
12	1	114819	Base Swivel Frame Weldment	26	2	58F	Flat Washer
13	1	114841	Spring TE1588-203-1016	27	1	FEM501-28FP	Female Flat Face Coupler
14	1	12*2	Hex Bolt	28	1	FEM502-28FP	Male Flat Face Coupler

RR48 ROTO-ASSEMBLY

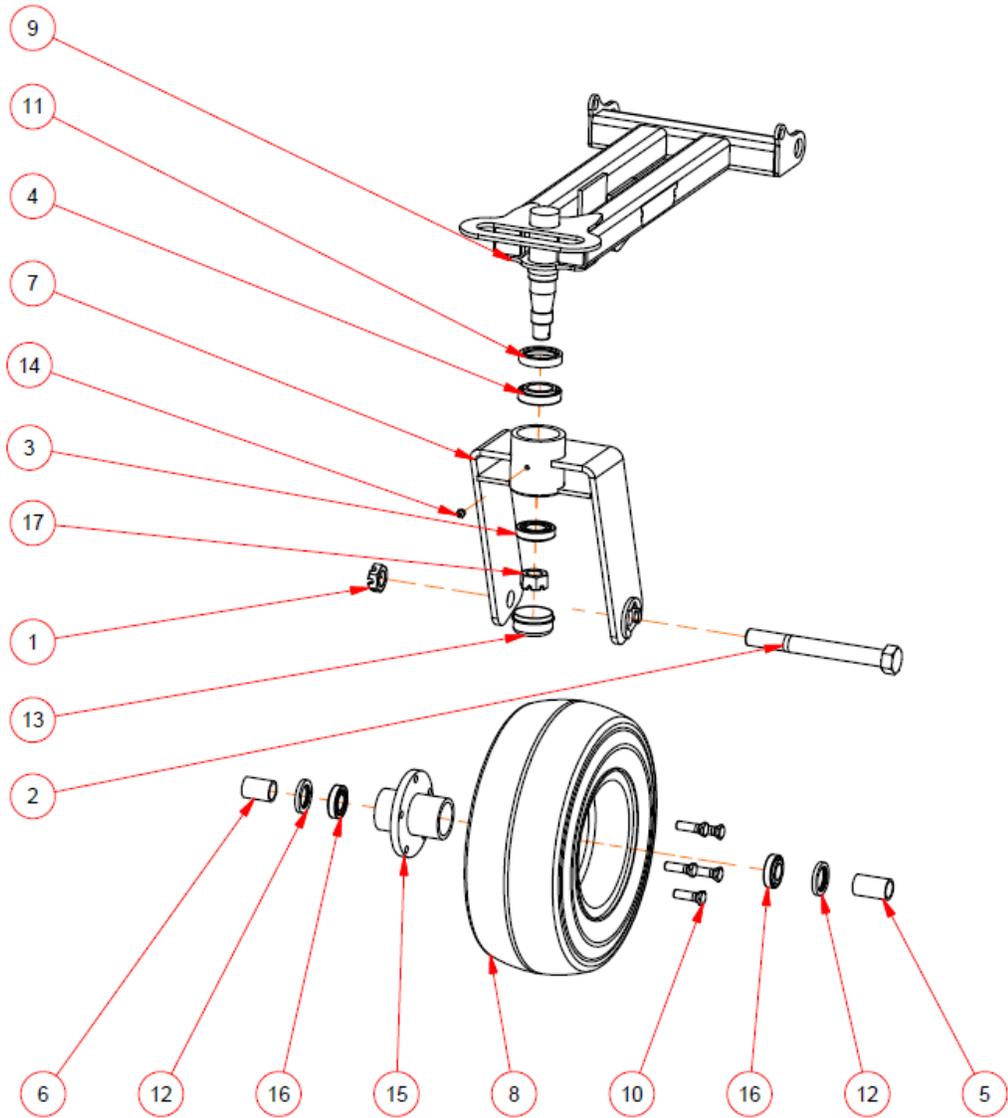


Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	SJ-114	Slotted Hex Nut	17.6	1	RD132	Roto-Rake Decal
2	4	12CLN	NC Lock Nut	17.7	2	WD105	Flying Object Decal
3	2	12N	Hex Nut	17.8	1	RD133	RR48 Decal
4	9	38CLN	NC Lock Nut	17.9	1	DW103	Read Manual Decal
5	1	67.222.000	Manual Holder	17.10	2	WD107	WARNING Rotating Knives & Spikes! Decal
6	2	78FL	BP Flat Washer	18	1	114822	Rotor 48
7	2	104-4216-006	Hyd Motor 2000 Tapered Shaft 4.9 in	19	2	114824	Hose Shield Side 48
8	4	5315*10	Fitting	20	1	114843	Hydraulic Hose H24508-08U610-08U610-30
9	2	5325*10	Bulkhead JIC Union	21	1	114856	Hydraulic Hose H24508-08U610-08U610-30
10	2	5706*10	Swivel Nut Run Tee	22	1	114858	Hydraulic Hose H24508-08U610-08U610-40
11	2	5924*10	Nut Bulkhead 7/8 14	23	1	114860	Hydraulic Hose H24508-08U610-08U610-40
12	4	12134CSH	Socket Head	24	4	516212	Hex Bolt
13	2	12412	Hex Bolt	25	2	2167121	Self Drilling 14x1 Metal Screw
14	9	38212NC	BP NC Hex Bolt	26	2	HRG04	Rotor Drive Adaptor
15	3	113079	Plate	27	8	MF1-1620-24	Ingus bushing
16	3	114712	Rubber	28	2	RVA-045	Oil Seal
17.1	1	114826	Roto Rake Frame Weldment 48				
17.2	8	12112	Hex Bolt				
17.3	6	12N	Hex Nut				
17.4	2	114814	Hyd Motor Mount				
17.5	1	Serial	Serial # Plate				

RR48 SCHEMATIC



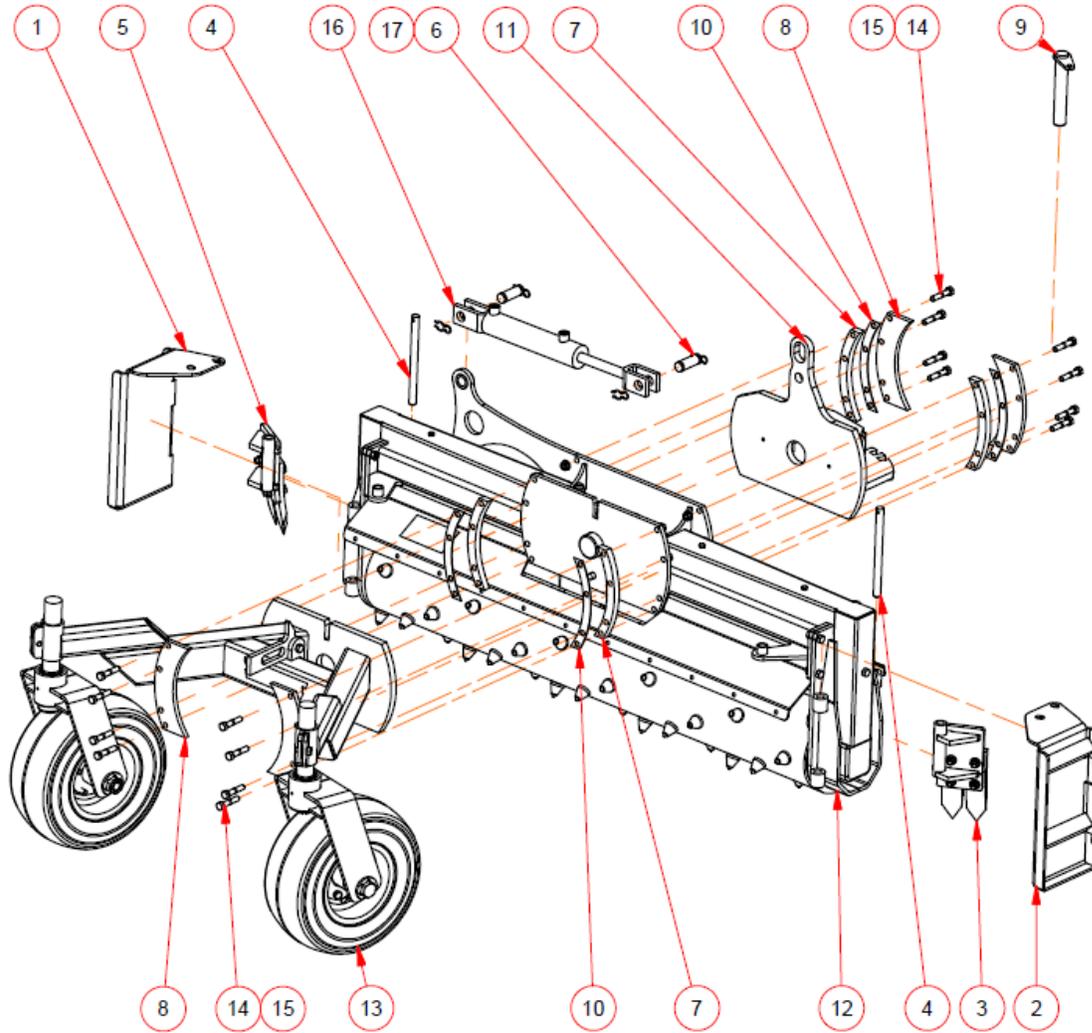
RR48 Wheel ASSEMBLY



Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	SJ-114	Slotted Hex Nut	9	1	114806	Wheel Attachment Frame
2	1	1-9NF	BP NF Hex Bolt	10	5	500-20	Wheel bolt Bolt
3	1	1.25 x 2.328 x 0.625 - LM67045 LM67010	Tapered Roller Bearing	11	1	CR17415	SEAL
4	1	1.5 x 2.5625 x 0.71 - LM29749 LM29710X	Tapered Roller Bearing	12	2	CR523696	Seal
5	1	107106	Spacer L	13	1	D4000	Dust Cap
6	1	107107	Spacer S	14	1	GF	1/8 NPT ST Zerk
7	1	107233	Swivel Wheel Weldment	15	1	H010005450	Hub
8	1	108110	Wheel 16.5x8 5 on 4.5	16	2	L44643 L44610	Tapered Roller Bearing
				17	1	SJ-114	Slotted Hex Nut

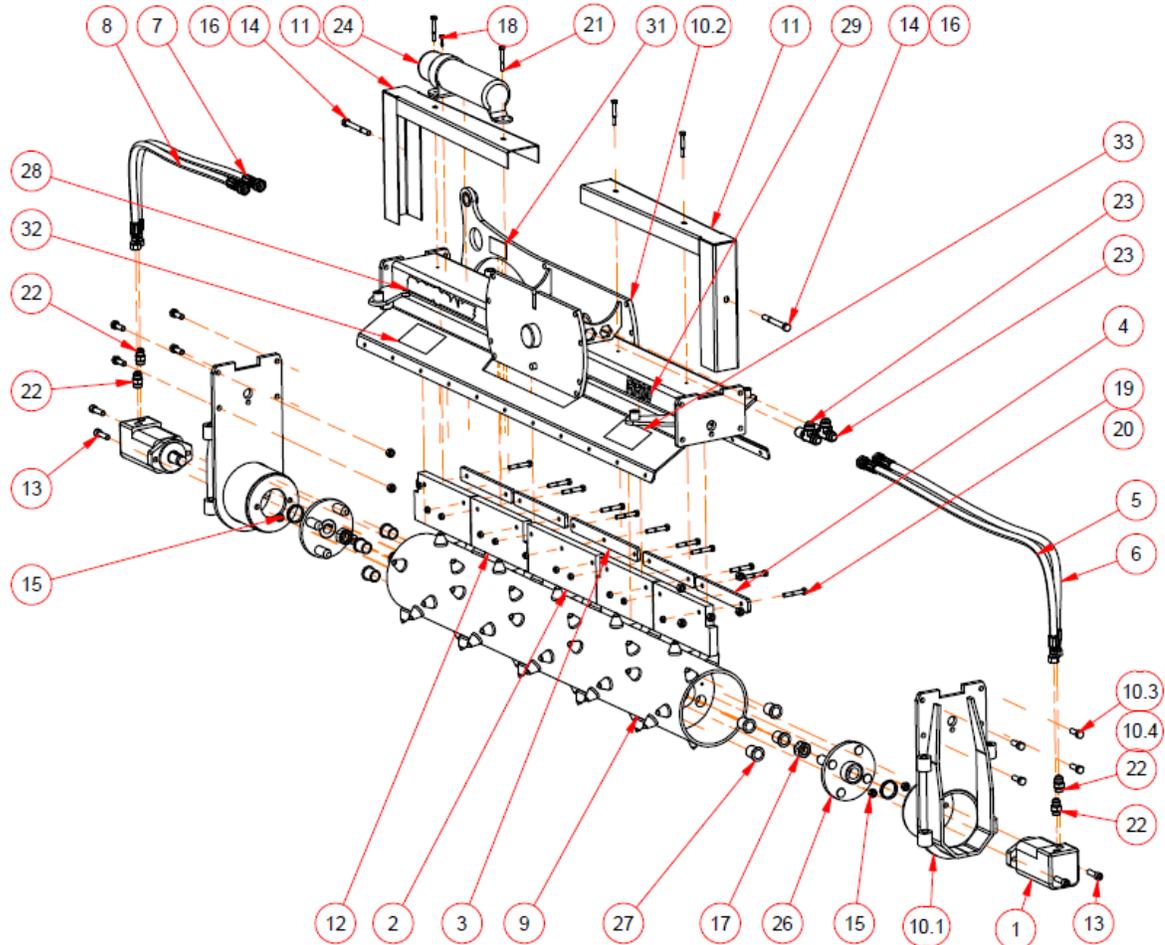
PARTS-60"72"84"

RR60-MAIN ASSEMBLY



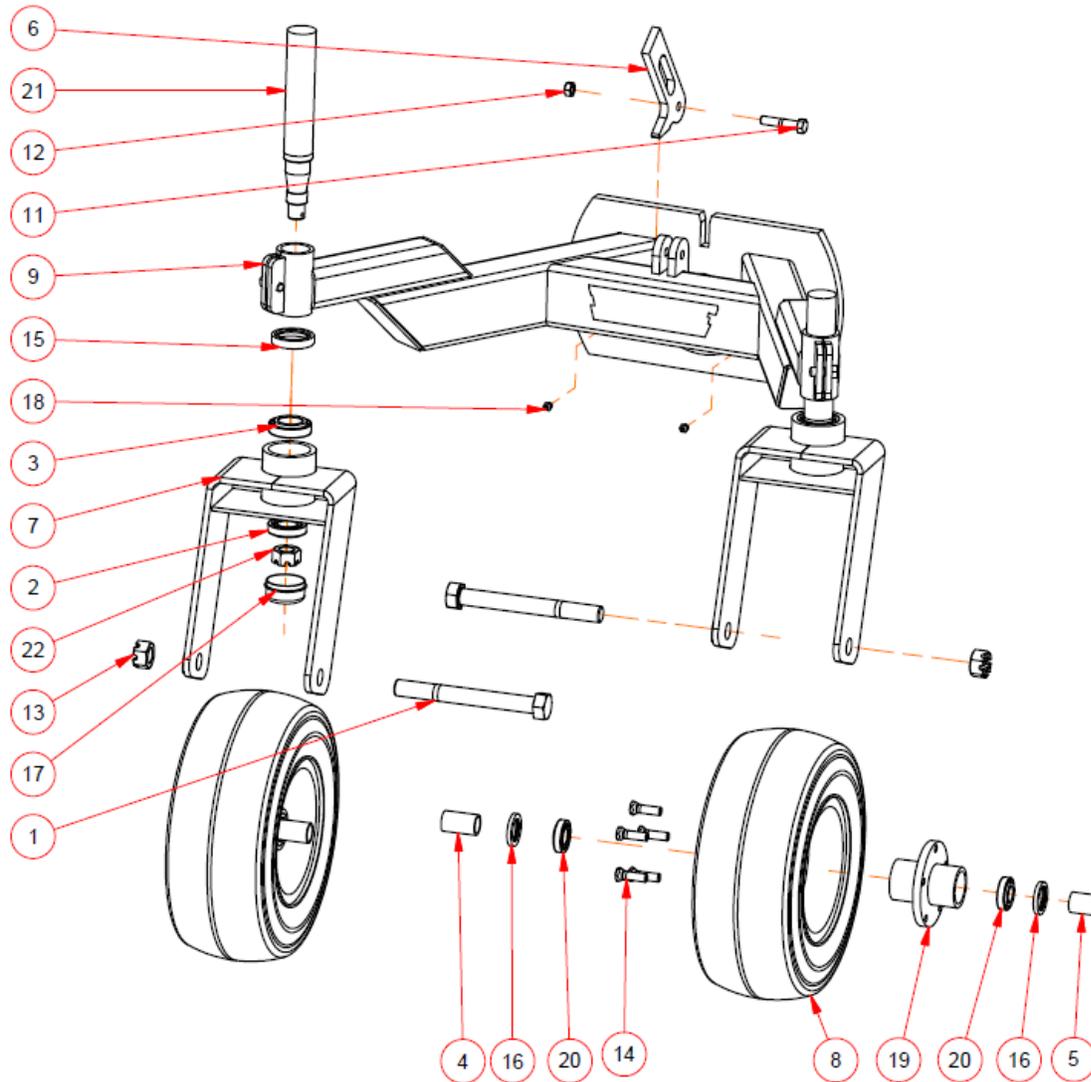
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	100183	Side Gate	10	4	107166	Shim
2	1	100188	Side Gate Left	11	1	107228	Knuckle
3	1	100192	Plow Attachment	12	1	114678	Roto Rake 60
4	2	100193	Pin	13	1	114684	Wheel Attachment
5	1	100194	Plow Attachment Left	14	16	12212	Hex Bolt
6	4	100x225	Pin	15	16	12FSLN	Flange Nut
7	4	103938	Spacer	16	1	20FEM08-NW	Cylinder
8	4	103939	Clamp	17	8	637856	Hair Pin
9	1	103944	Pin				

RR60 ROTO-ASSEMBLY



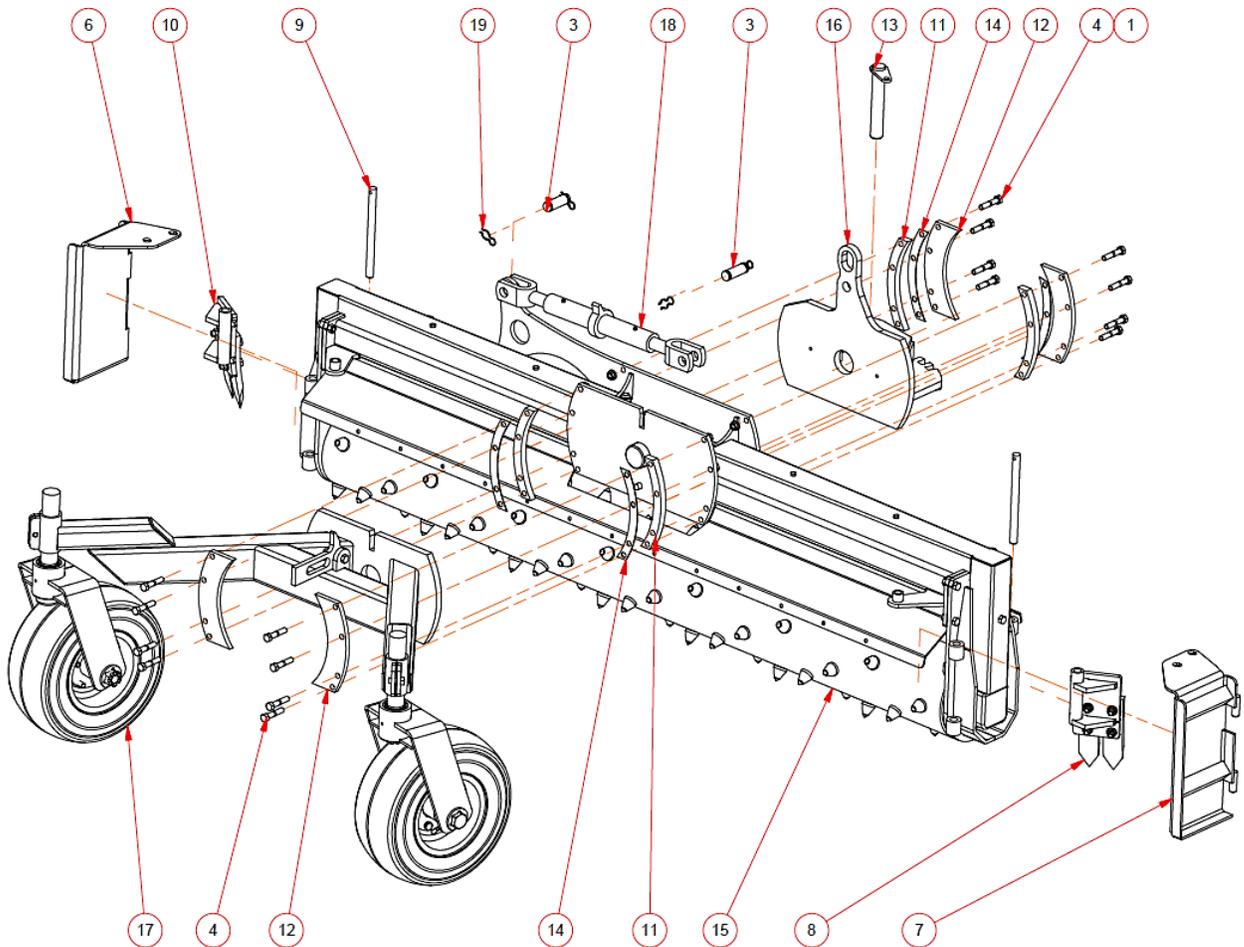
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	104-4100-006	2000 series hyd motor 2 bolt	15	4	12CLN	NC Lock Nut
2	1	113078	Rubber Center	16	2	12N	Hex Nut
3	1	113079	Plate	17	2	1CNF	Slotted Hex Nut
4	4	114639	Plate	18	1	2167121	Self Drilling 14x1 Metal Screw
5	1	114659	Hydraulic Hose H24508-08U610-08U612-48	19	11	38212NC	BP NC Hex Bolt
6	1	114663	Hydraulic Hose H24508-08U610-08U612-48	20	11	38CLN	NC Lock Nut
7	1	114667	Hydraulic Hose H24508-08U610-08U612-36	21	4	516212	Hex Bolt
8	1	114671	Hydraulic Hose H24508-08U610-08U612-36	22	4	5315*10	Fitting
9	1	114676	Rotor 60	23	2	5726*12	JIC Bulkhead Run Tee
10.1	2	100175	Hyd Motor Mount	24	1	67.222.000	Manual Holder
10.2	1	114679	Roto Rake Frame Weldment 60	25	1	DW103	Read Manual Decal
10.3	8	12112	Hex Bolt	26	2	HRG04	Rotor Drive Adaptor
10.4	6	12N	Hex Nut	27	8	MF1-1620-24	Ingus bushing
11	2	114681	Hose Shield Side 60	28	1	RD132	Roto-Rake Decal
12	4	114697	Rubber	29	1	RD134	RR60 Decal
13	4	12134CSH	Socket Head	34	2	RVA-045	Oil Seal
14	2	12412	Hex Bolt	30	1	Serial	Serial # Plate
				31	2	WD104	Pinch Point Decal
				32	2	WD105	Flying Object Decal
				33	2	WD107	WARNING Rotating Knives & Spikes! Decal

RR60-Wheel ASSEMBLY



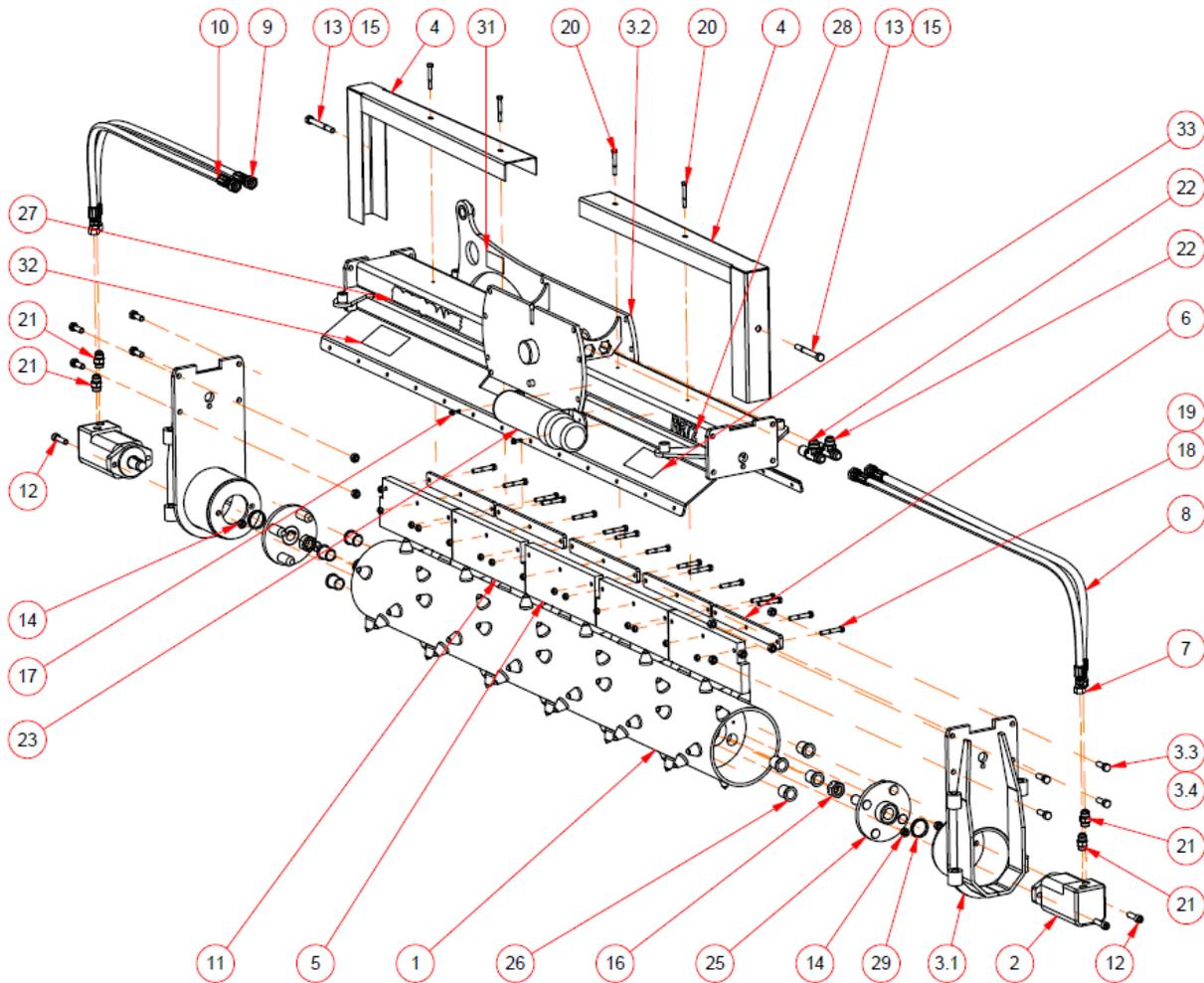
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	1-9NF	BP NF Hex Bolt	11	1	12212	Hex Bolt
2	2	1.25 x 2.328 x 0.625 - LM67045 LM67010	Tapered Roller Bearing	12	1	12CLN	NC Lock Nut
3	2	1.5 x 2.5625 x 0.71 - LM29749 LM29710X	Tapered Roller Bearing	13	2	1CNF	Castle Hex Nut
4	2	107106	Spacer L	14	10	500-20	Wheel bolt Bolt
5	2	107107	Spacer S	15	2	CR17415	SEAL
6	1	107229	Locking Plate	16	4	CR523696	Seal
7	2	107233	Swivel Wheel Weldment	17	1	D4000	Dust Cap
8	2	108110	Wheel 16.5x8 5 on 4.5	18	2	GF	1/8 NPT ST Zerk
9	1	114683	Wheel Attachment Frame	19	2	H010005450	Hub
10	2	12114	Hex Bolt	20	4	L44643 L44610	Tapered Roller Bearing
				21	2	S04000175-1200	Spindle
				22	2	SJ-114	Slotted Hex Nut

RR84 & RR72-MAIN ASSEMBLY



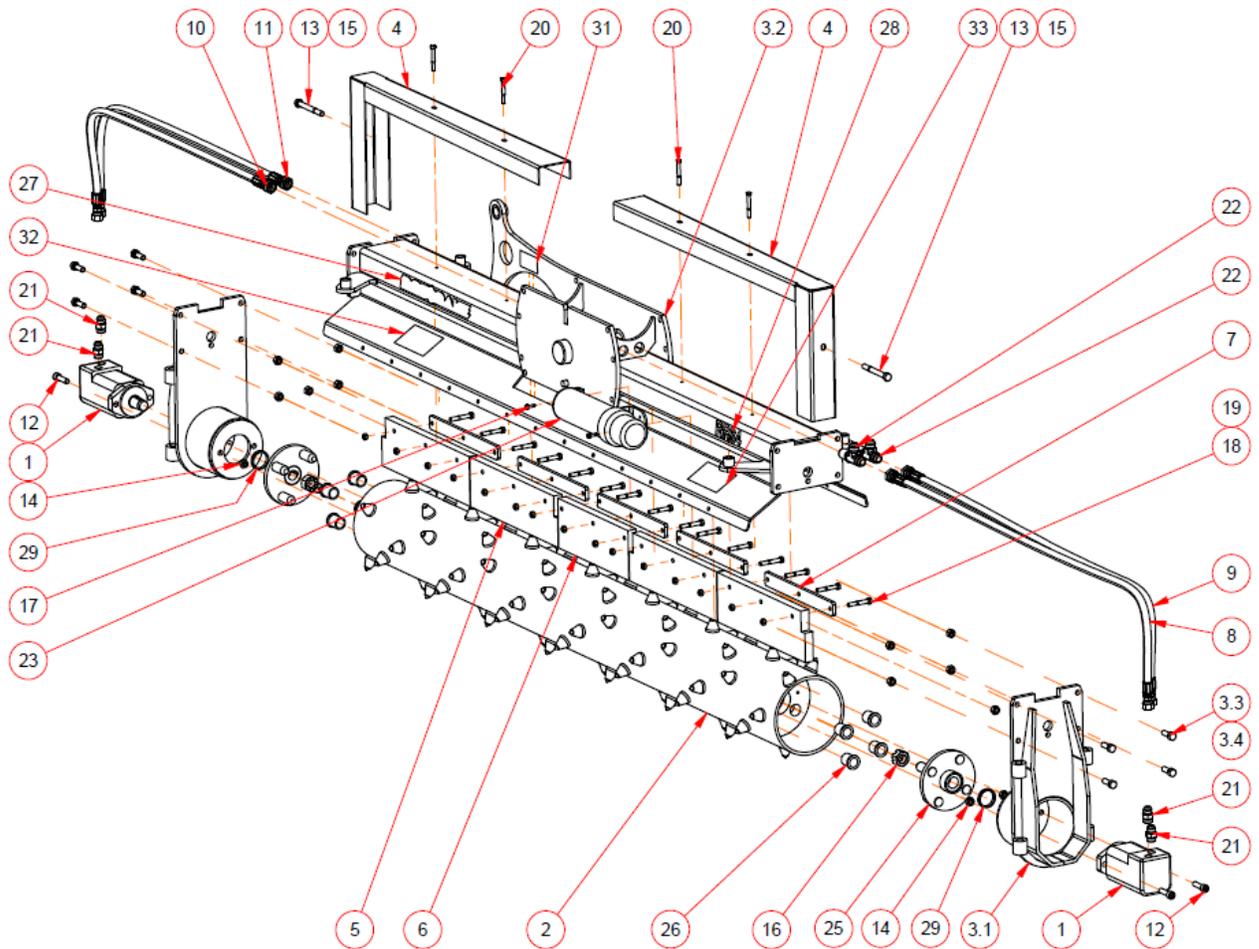
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	16	12FSLN	Flange Nut	11	4	103938	Spacer
2	1	38FSLN	Flange Nut	12	4	103939	Clamp
3	4	100x225	Pin	13	1	103944	Pin
4	16	12212	Hex Bolt	14	4	107166	Shim
5	1	38114	Hex Bolt	15	1		Roto Rake 84 or Roto Rake 72
6	1	100183	Side Gate	16	1	107228	Knuckle
7	1	100188	Side Gate Left	17	1	107237	Wheel Attachment
8	1	100192	Plow Attachment	18	1	386501	Ratched Jack
9	2	100193	Pin	19	8	637856	Hair Pin
10	1	100194	Plow Attachment Left				

RR72 ROTO-ASSEMBLY



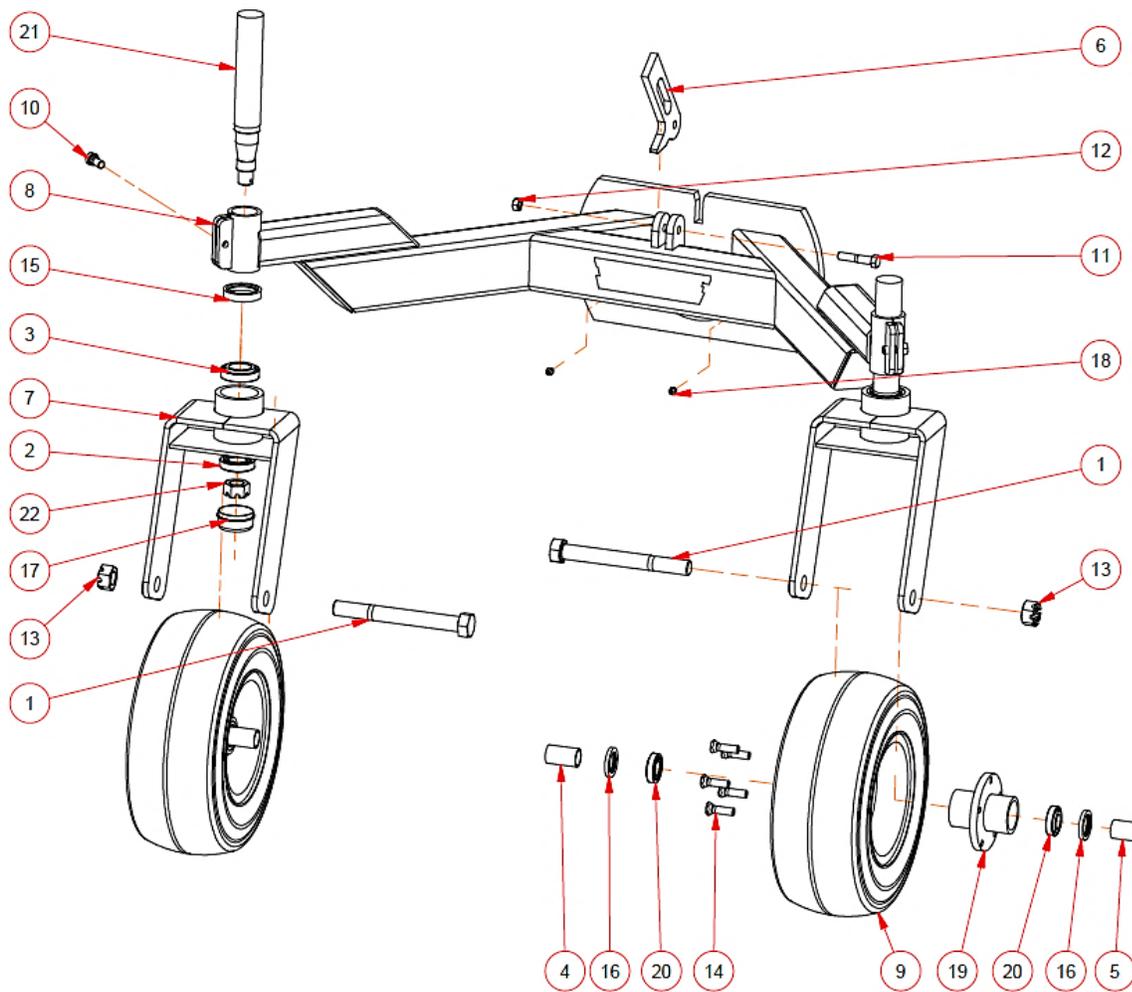
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	100174	Rotor 72	14	4	12CLN	NC Lock Nut
2	2	104-4100-006	2000 series hyd motor 2 bolt	15	2	12N	Hex Nut
3.1	2	100175	Hyd Motor Mount	16	2	1CNF	Slotted Hex Nut
3.2	1	110707	Roto Rake Frame Weldment 72	17	2	2167121	Self Drilling 14x1 Metal Screw
3.3	8	12112	Hex Bolt	18	15	38212NC	BP NC Hex Bolt
3.4	6	12N	Hex Nut	19	15	38CLN	NC Lock Nut
4	2	110715	Hose Shield Side 72	20	4	516212	Hex Bolt
5	1	113078	Rubber Center	21	4	5315*10	Fitting
6	5	113079	Plate	22	2	5726*12	JIC Bulkhead Run Tee
7	1	114621	Hydraulic Hose H24508-08U610-08U612-54	23	1	67.222.000	Manual Holder
8	1	114623	Hydraulic Hose H24508-08U610-08U612-54	24	1	DW103	Read Manual Decal
9	1	114625	Hydraulic Hose H24508-08U610-08U612-41	25	2	HRG04	Rotor Drive Adaptor
10	1	114627	Hydraulic Hose H24508-08U610-08U612-41	26	8	MF1-1620-24	Ingus bushing
11	4	114631	Rubber	27	1	RD132	Roto-Rake Decal
12	4	12134CSH	Socket Head	28	1	RD135	RR72 Decal
13	2	12412	Hex Bolt	29	2	RVA-045	Oil Seal
				30	1	Serial	Serial # Plate
				31	2	WD104	Pinch Point Decal
				32	2	WD105	Flying Object Decal
				33	2	WD107	WARNING Rotating Knives & Spikes! Decal

RR84 ROTO-ASSEMBLY



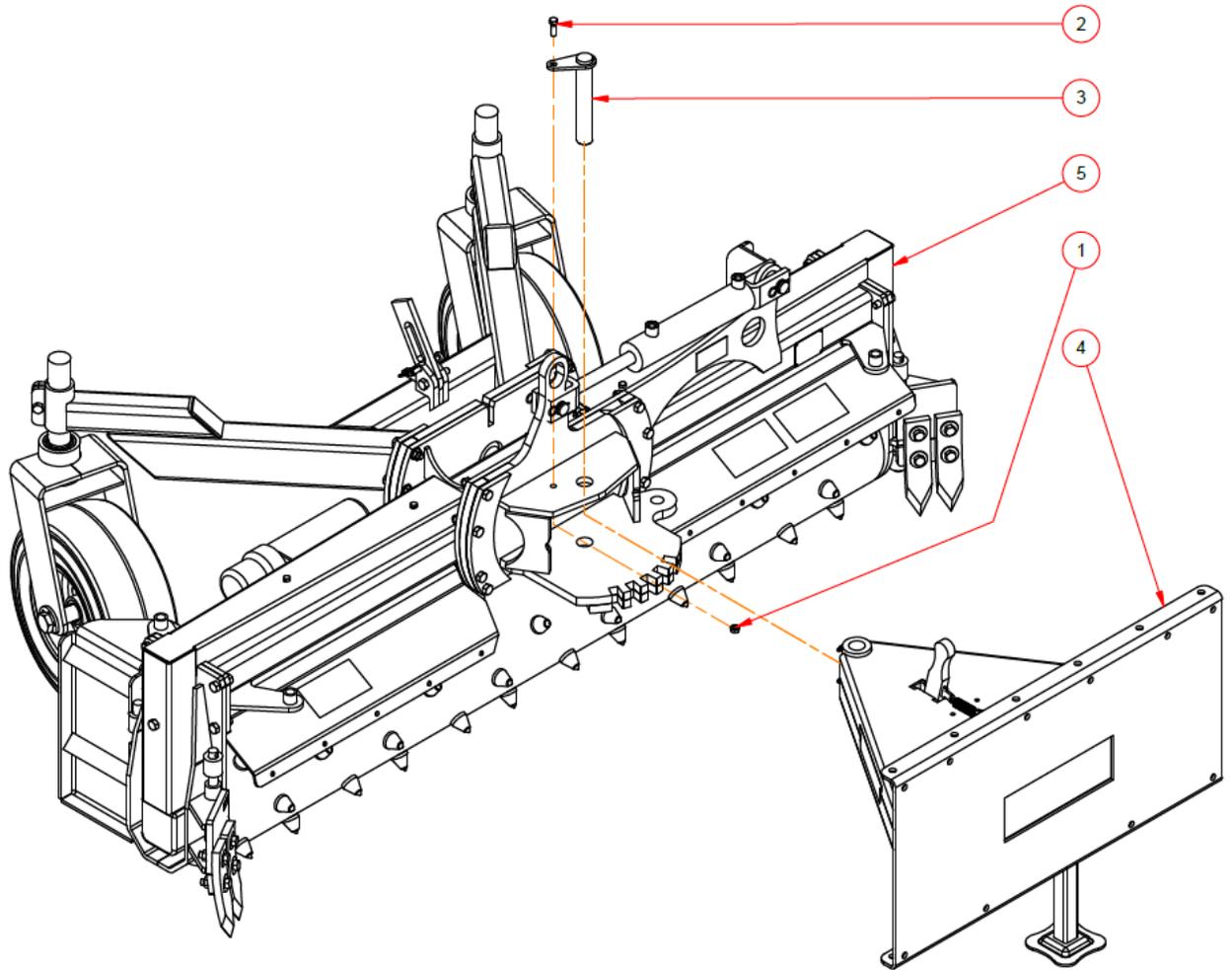
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	104-4100-006	2000 series hyd motor 2 bolt	15	2	12N	Hex Nut
2	1	107188	Rotor 84	16	2	1CNF	Slotted Hex Nut
3.1	2	100175	Hyd Motor Mount	17	2	2167121	Self Drilling 14x1 Metal Screw
3.2	1	107218	Roto Rake Frame Weldment 84	18	15	38212NC	BP NC Hex Bolt
3.3	8	12112	Hex Bolt	19	15	38CLN	NC Lock Nut
3.4	8	12N	Hex Nut	20	4	516212	Hex Bolt
4	2	107226	Hose Shield Side 84	21	4	5315*10	Fitting
5	4	113075	Rubber	22	2	5726*12	JIC Bulkhead Run Tee
6	1	113078	Rubber Center	23	1	67.222.000	Manual Holder
7	5	113079	Plate	24	1	DW103	Read Manual Decal
8	1	114913	Hydraulic Hose H24508-08U610-08U612-61	25	2	HRG04	Rotor Drive Adaptor
9	1	114916	Hydraulic Hose H24508-08U610-08U612-61	26	8	MF1-1620-24	Ingus bushing
10	1	114920	Hydraulic Hose H24508-08U610-08U612-49	27	1	RD132	Roto-Rake Decal
11	1	114924	Hydraulic Hose H24508-08U610-08U612-49	28	1	RD136	RR84 Decal
12	4	12134CSH	Socket Head	29	2	RVA-045	Oil Seal
13	2	12412	Hex Bolt	30	1	Serial	Serial # Plate
14	4	12CLN	NC Lock Nut	31	2	WD104	Pinch Point Decal
				32	2	WD105	Flying Object Decal
				33	2	WD107	WARNING Rotating Knives & Spikes! Decal

WHEEL ASSEMBLY FOR RR72 & RR84



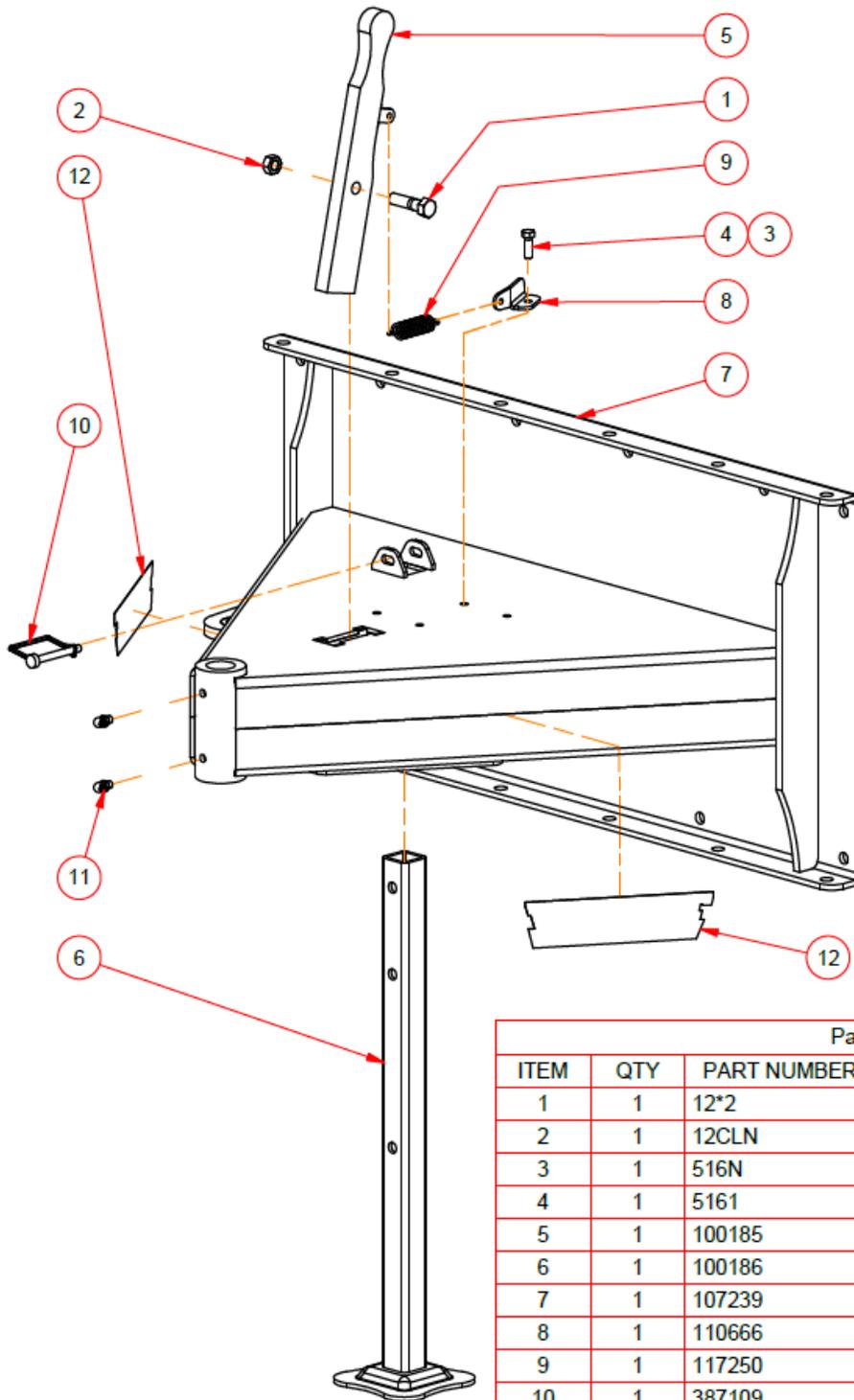
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	1-9NF	BP NF Hex Bolt	11	1	12212	Hex Bolt
2	2	1.25 x 2.328 x 0.625 - LM67045 LM67010	Tapered Roller Bearing	12	1	12CLN	NC Lock Nut
3	2	1.5 x 2.5625 x 0.71 - LM29749 LM29710X	Tapered Roller Bearing	13	2	1CNF	Castle Hex Nut
4	2	107106	Spacer L	14	10	500-20	Wheel bolt Bolt
5	2	107107	Spacer S	15	2	CR17415	SEAL
6	1	107229	Locking Plate	16	4	CR523696	Seal
7	2	107233	Swivel Wheel Weldment	17	1	D4000	Dust Cap
8	1	107235	Wheel Attachment Frame	18	2	GF	1/8 NPT ST Zerk
9	2	108110	Wheel 16.5x8 5 on 4.5	19	2	H010005450	Hub
10	2	12114	Hex Bolt	20	4	L44643 L44610	Tapered Roller Bearing
				21	2	S04000175-1200	Spindle
				22	2	SJ-114	Slotted Hex Nut

SWIVEL FRAME/ROTO RAKE ASSEMBLY



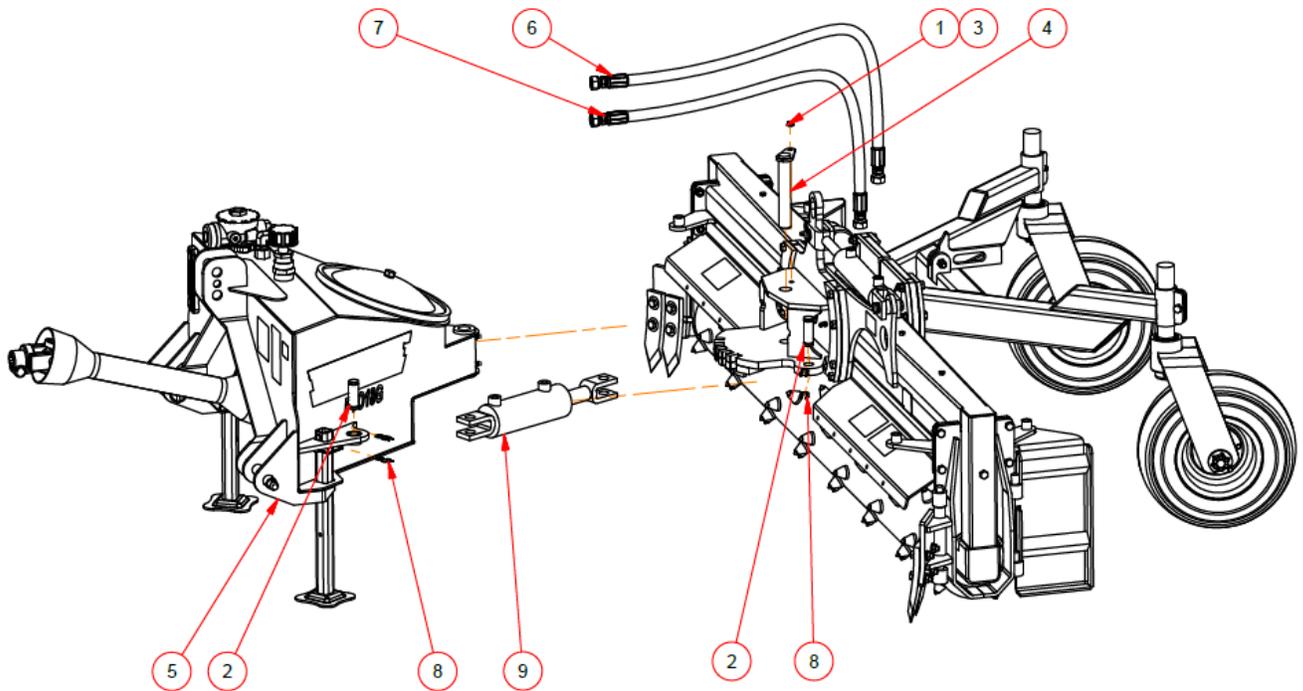
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	38FSLN	Flange Nut
2	1	38114	Hex Bolt
3	1	103944	Pin
4	1	107238	Base Swivel Frame
5	1	110705	Roto Rake 72

BASE SWIVEL FRAME



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	12*2	Hex Bolt
2	1	12CLN	NC Lock Nut
3	1	516N	Hex Nut
4	1	5161	Hex Bolt
5	1	100185	Lock Lever
6	1	100186	Stand
7	1	107239	Base Swivel Frame Weldment
8	1	110666	Spring Bracket
9	1	117250	Extension Spring E1905-267-0635
10	1	387109	Lock Pin
11	2	GF	1/8 NPT 90deg Zerk
12	2	RD106	Reist Decal

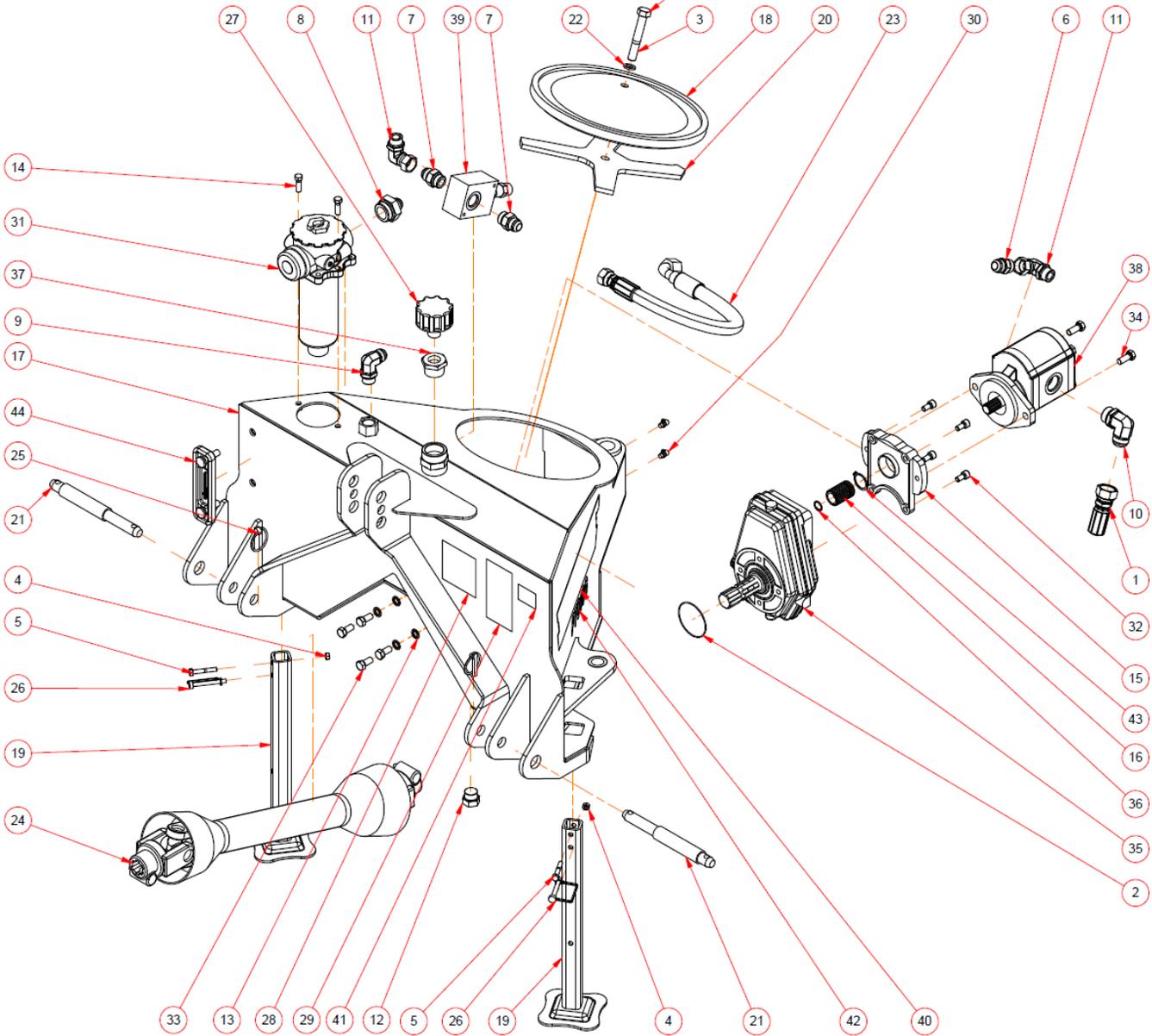
RR72PT018G & RR84PT018G - Parts List



Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	38FSLN	Flange Nut	6	1	114958	Hydraulic Hose-H14512-12U612-12U612-48
2	4	100x225	Pin	7	1	114960	Hydraulic Hose-H14512-12U612-12U612-48
3	1	38114	Hex Bolt	8	8	637856	Hair Pin
4	1	103944	Pin	9	1	CL3006-S	3x6 Clevis Cylinder
5	1	111649	Base Swivel Frame Oil Tank				

PTO18G - PARTS LIST

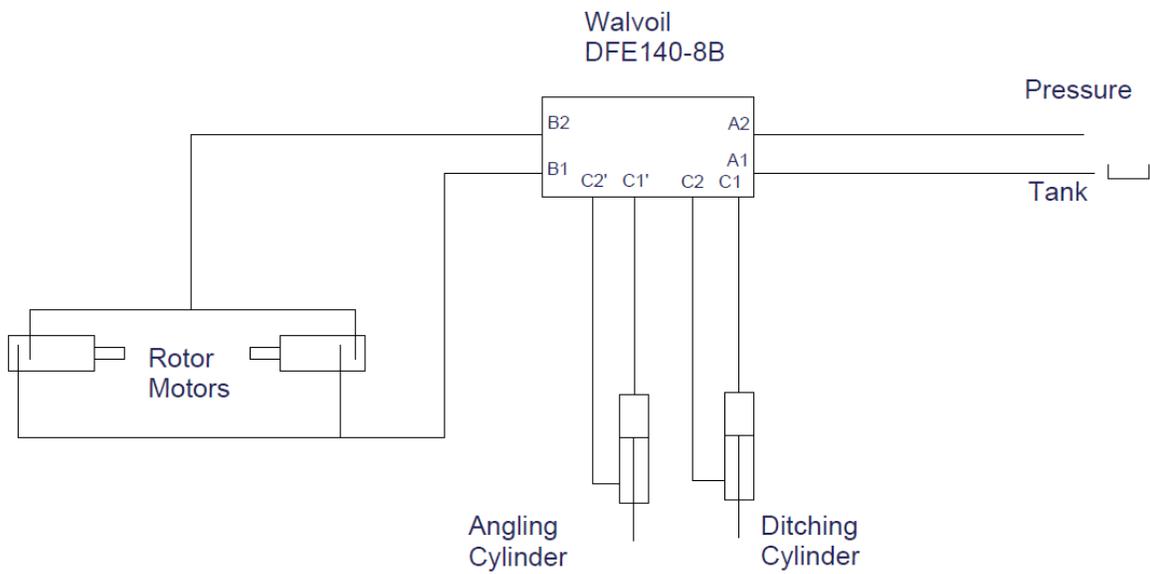
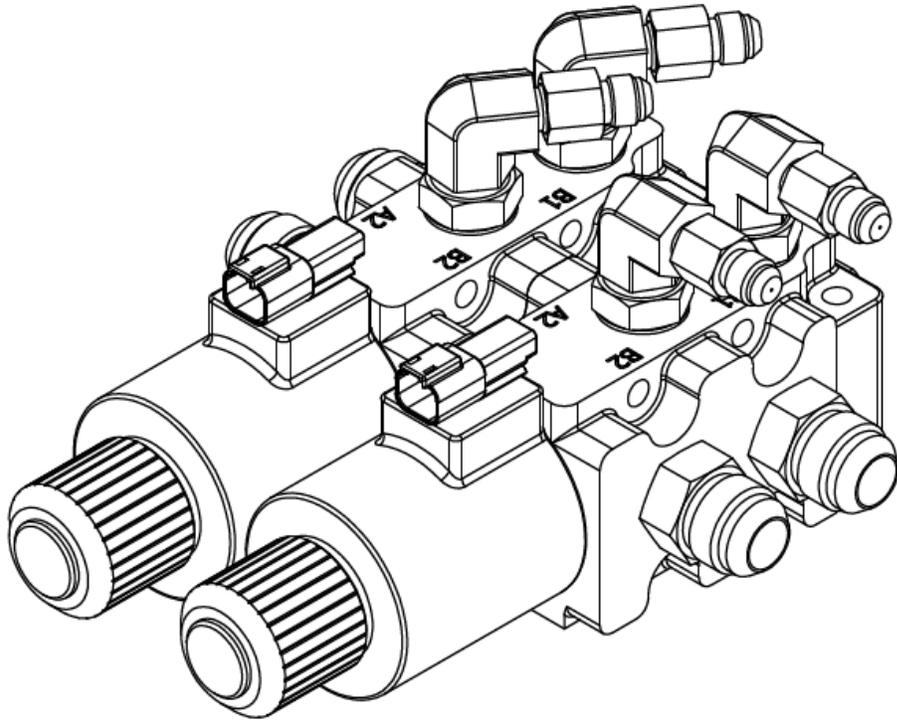
NOTE: Recommended Torque = 15 ft·lb



PTOG18-1

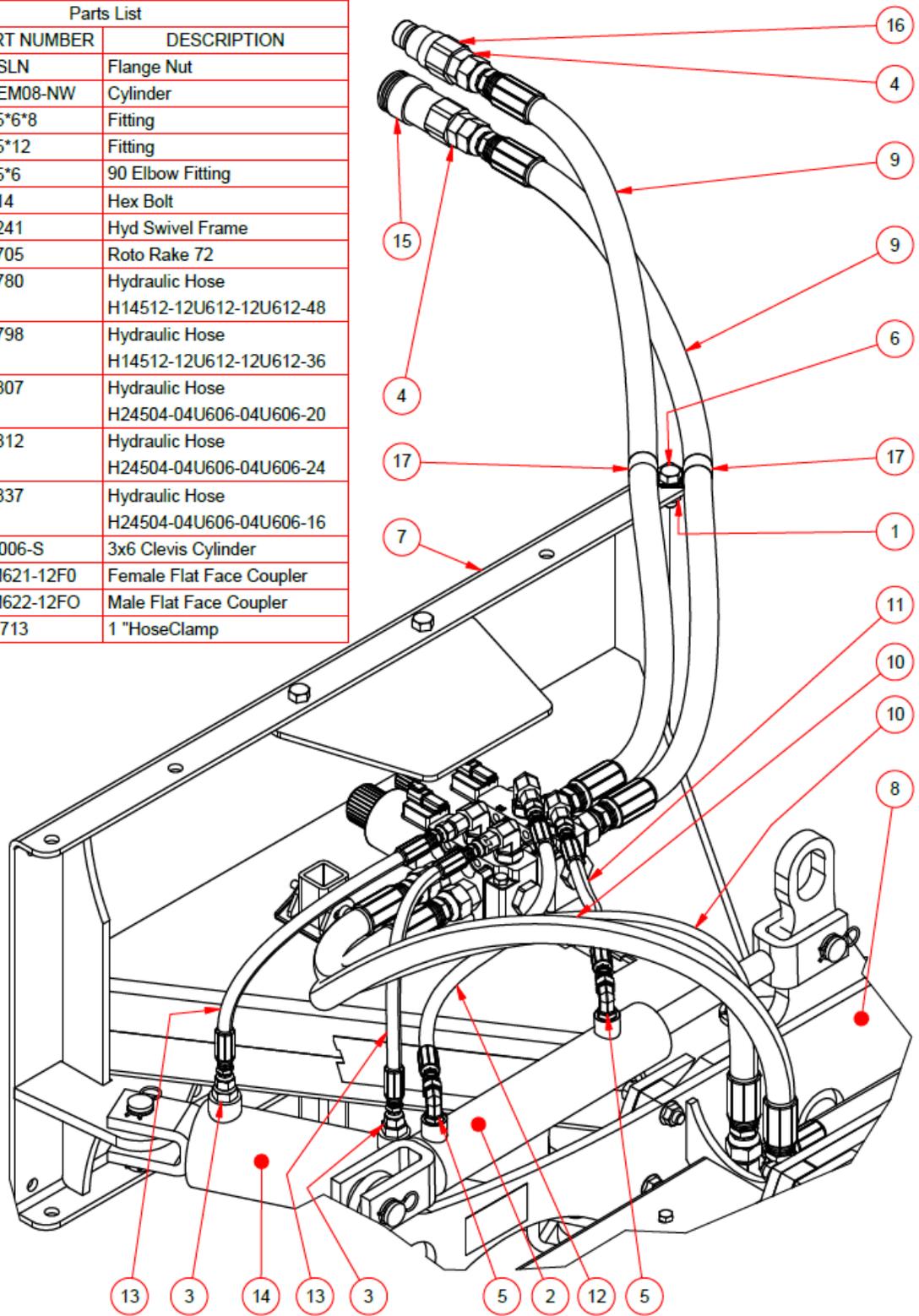
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	12U616	Female JIC Swivel Hose End
2	1	041	O Ring
3	1	58*4	Hex Bolt
4	2	516N	Hex Nut
5	2	5162	Hex Bolt
6	1	5302*12	JIC Nipple
7	2	5315*12	Fitting
8	1	5315*12*20	Fitting
9	1	5515*12	90 Elbow Fitting
10	1	5515*16	90 Elbow Fitting
11	2	6809-1212	SAE JIC Elbow
12	1	7237*12	Oring Male Plug (-12)
13	4	9900-04	Bonded Seal 14BSPP (12mm)
14	2	38114	Hex Bolt
15	1	110485	Flange MB30-S5
16	1	110486-	Splined Coupling MB30-04
17	1	111650	Base Swivel Frame Oil Tank Weldment
18	1	111684	End Cover 5065
19	2	111686	Stand
20	1	111688	Spider Weldment
21	2	111689	Cat 1 & 2 Pin
22	1	112163	Plastic Washer 58
23	1	114954	Hydraulic Hose H14512-12U672-12U612-26-1/2
24	1	225332	T40-061_1-38x6 Slide Collar QD 2 Ends
25	2	385507	7/16 Lynch Pin
26	2	387109	Lock Pin
27	1	ABS40N12	3/4" Breather Cap
28	1	DD100	Drive Line Decal
29	1	DW103	Read Manual Decal
30	2	GF	1/8 NPT 90deg Zerk
31	1	K040813	Tank Filter_Element P171840
32	4	M10X20SH	Socket Head Cap Screw - Metric
33	4	M12x1.75x25	Metric Bolt
34	2	M12x1.75x30	Metric Bolt
35	1	MBA30-M6-3.5	Increaser Gearbox-MBA30-M6-3.5(1:3.5)
36	1	N5000-81	internal retaining ring
37	1	PFG-00214-0	NPT Reducer
38	1	PLP30.34SR	Pump Right Hand Rotation
39	1	RCL12-3000	Relief Valve
40	2	RD105	Reist Decal
41	1	RD115	Made In Canada Decal
42	2	RD137	PTO18G Decal
43	1	SH-131	External Snap Ring
44	1	SLT-1214	Level Gauge

OPTIONAL HYDRAULIC VALVE & SCHEMATIC



OPTIONAL HYDRAULIC HOSE ASSEMBLY

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	12FSLN	Flange Nut
2	1	20FEM08-NW	Cylinder
3	2	5315*6*8	Fitting
4	2	5315*12	Fitting
5	2	5515*6	90 Elbow Fitting
6	1	12114	Hex Bolt
7	1	107241	Hyd Swivel Frame
8	1	110705	Roto Rake 72
9	2	120780	Hydraulic Hose H14512-12U612-12U612-48
10	2	120798	Hydraulic Hose H14512-12U612-12U612-36
11	1	120807	Hydraulic Hose H24504-04U606-04U606-20
12	1	120812	Hydraulic Hose H24504-04U606-04U606-24
13	2	120837	Hydraulic Hose H24504-04U606-04U606-16
14	1	CL3006-S	3x6 Clevis Cylinder
15	1	FEM621-12FO	Female Flat Face Coupler
16	1	FEM622-12FO	Male Flat Face Coupler
17	2	HK1713	1 "HoseClamp



WARRANTY INFORMATION

All new REIST machinery is warranted to be free from defects in material or workmanship, which may cause failure under normal usage and service when used for the purpose intended for a period of 12 months. This warranty applies only to a new REIST product, there being no warranty of any nature in respect to new products that have been modified or altered, repaired, neglected, or used in any way, which, in the opinion of REIST adversely affects its performance.

In the event of failure of a part or parts, and upon inspection, REIST is satisfied that failure is due to defective material or workmanship within 12 calendar months from the date of delivery to an end user, such defective part or parts will be repaired or replaced by REIST Industries Inc. It is the responsibility of the buyer, at his expense, to transport the machine or equipment to the manufacturer service shop or to an authorized service depot or, alternatively, to reimburse REIST for any travel or transportation expense involved in fulfilling this warranty.

When requested by REIST, part or parts shall be returned for inspection, transportation prepaid, to a place designated by REIST. IN NO EVENT SHALL THE BUYER BE ENTITLED TO RECOVER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PRODUCT, INCONVENIENCE, RENTAL OR REPLACEMENT EQUIPMENT, LOSS OF PROFIT, OR OTHER COMMERCIAL LOSS.

This warranty becomes void and null if the equipment is modified, breaks down as the result of an accident, is not operated according to manufacturer's recommendations, damaged by negligence or if maintenance has not been carried out as specified.

THIS WARRANTY IS NOT TRANSFERABLE

REIST Industries Inc.
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