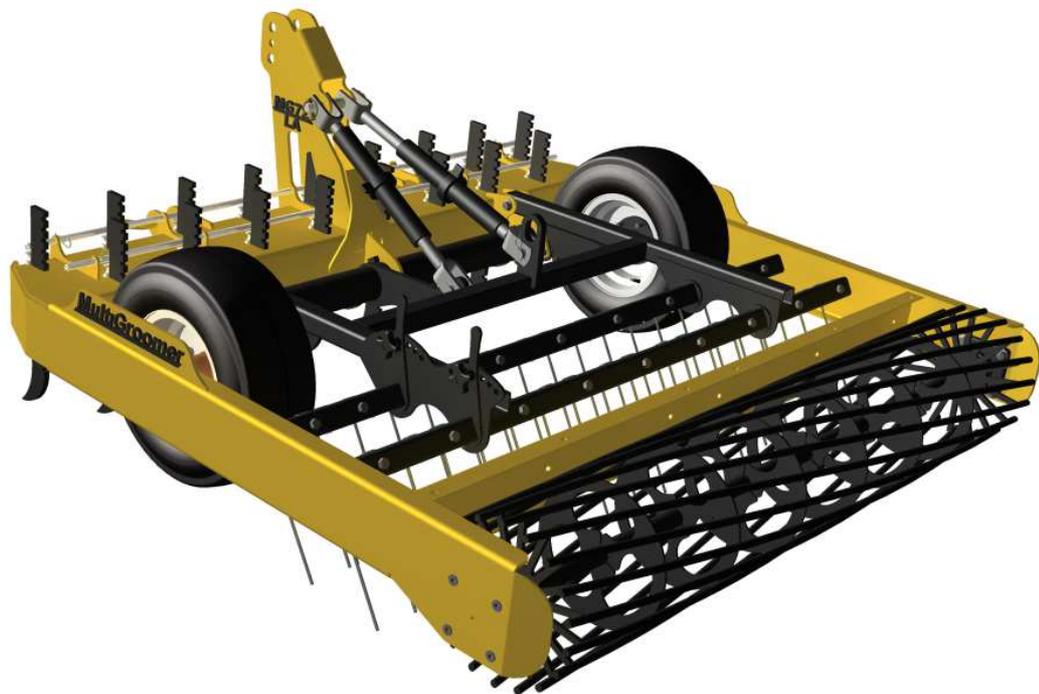




# MultiGroomer

OPERATOR & PARTS MANUAL  
MG60-LA, MG72-LA, MG96-LA

Serial # K2356



# **TABLE OF CONTENTS**



<b><u>ITEM</u></b>	<b><u>PAGE</u></b>
INTRODUCTION .....	2
SAFETY .....	3-4
DAILY CHECK LIST .....	5
SETUP INSTRUCTIONS .....	6
OPERATION INSTRUCTIONS .....	7
OPTIONAL ATTACHMENTS .....	8-10
REMOVING WHEELS .....	11
PARTS .....	12-18
WARRANTY .....	19

## CONGRATULATIONS!

Thank you for choosing the **REIST MultiGroomer**. We feel confident that this equipment will meet your expectations in workmanship, reliability and performance.

This manual is to assist you with the safe operation of the **REIST MultiGroomer**. The MultiGroomer was primarily designed to level and groom indoor and outdoor horse arenas but can also be used for landscaping. The heavy ripper teeth are strong enough to level frozen sand or soil. Our experience has shown us that there are many difference types of sand, soil, or special products for riding arenas and the Reist MultiGroomer is the one to do the job right. The two main options to choose from are either the 2 rows of harrow teeth or a leveling blade with 1 row of harrow teeth. There are some products that the leveling blade will not work in because the material drags and bunches up. For this you need the 2 rows of harrow teeth. For sandy soil the leveling blade is required.

Two hitch options are available. The Drawbar Hitch is so that the MultiGroomer can be use with equipment that isn't equipped with 3PHT. And there is the Pivot Hitch which all the advantages are explained later on in the manual.

## GENERAL SAFETY



- Careful operation is the best assurance against accidents. It is the owner's responsibility to make sure that all operator's read this manual before operating the equipment.
- Familiarize yourself with all controls and always be ready to stop equipment quickly in case of emergency.
- Never let a child operate machinery.
- Protect yourself by wearing ear protection.

## Horse Safety

*To prevent injury to a horse*

- Before using the Roto-Groomer check the complete machine including the tractor for broken or missing parts and repair if necessary.
- When done grooming, check the groomer again for broken or missing parts.
- If there is something missing find it before letting horses use the riding area. Use a metal detector if necessary to find the part.



**CAUTION****OPERATING SAFETY**

- For proper safe operation we recommend that the tractor be equipped with an approved Roll-Over Protective Structure and Safety Belt.
- Do not operate an engine in confined or non ventilated area.
- Do not perform any adjustments or repairs with engine running.
- Always lower 3 PT hitch to ground before performing adjustments or repairs.
- Do not operate on excessive incline and always be careful when turning on slopes.
- Never carry passengers on implement or tractor.
- Stay clear when machine is in operation.
- Stop tractor when getting off.

**CAUTION****TRANSPORT SAFETY**

- Use proper safety lights on public roads.
- Be alert while driving on road and never carry passengers.

## Check List



1. **Make sure all bolts are tight (tighten if necessary).**
2. **Check for worn or broken parts (replace if necessary).**
3. **Grease bearings every 100 hrs. Do Not Over Grease.**

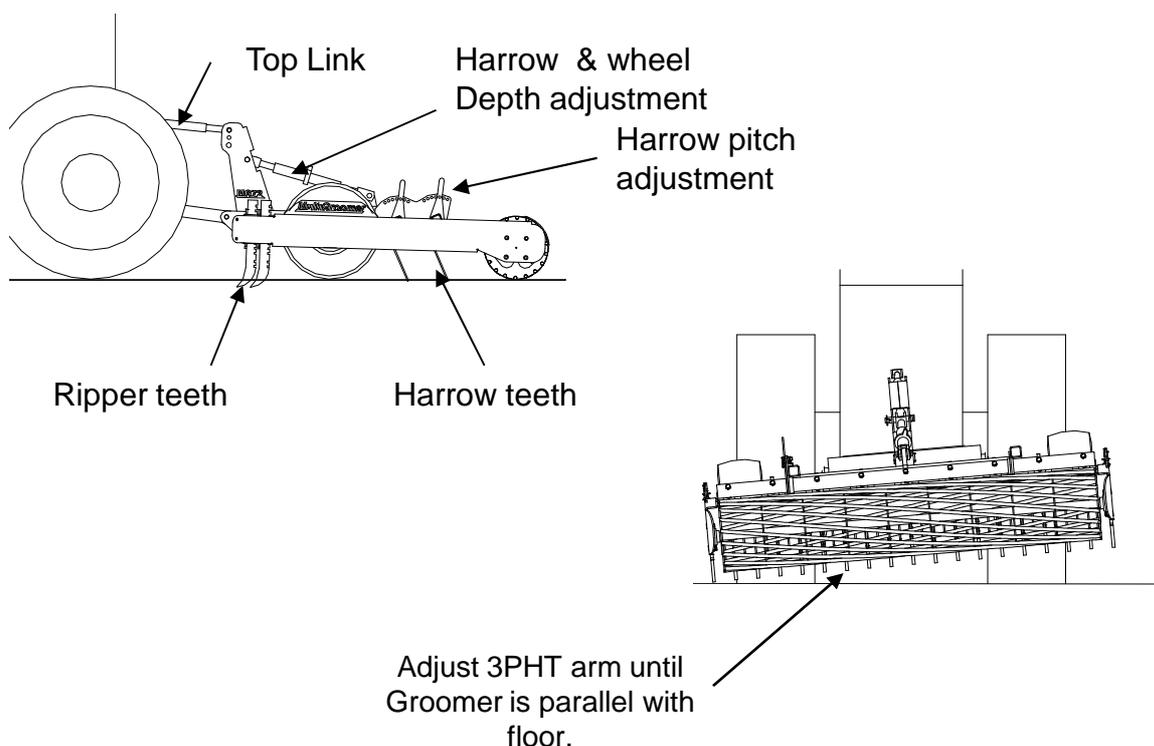
## Important Setup Instructions

The Multi Groomer is mounted to the tractor with 3pth category 1 and category 2 for the 8ft and 10ft. An Optional category 1 Drawbar hitch is also available to tow the Multi-Groomer with a tractor or ATV.

It is **IMPORTANT** that proper adjustments are made to achieve best results.

### Setup:

1. Use **proper pin & bushing sizes** when attaching Multigroomer to tractor.
2. Lift MultiGroomer approx. 1 inch off of ground and adjust 3pth arm so that the Groomer is parallel with the floor. The distance should be the same within a ¼” from side to side.
3. Adjust the Ripper teeth to preferred depth.
4. The manual cylinder that raises and lowers wheels is for finer depth adjustment. **Check the thickness of the footing.** You don't want to be bringing up the base and getting it mixed in with the footing.
5. When operating the Multigroomer, the 3 PTH lever is to be in max. down position and top link adjusted so that both the front wheels and roller touches the ground.
6. If the MultiGroomer has the Leveling Blade option, lower the MultiGroomer to the ground and adjust the leveling blade so that it touches the ground on each side.



# OPERATION INSTRUCTIONS

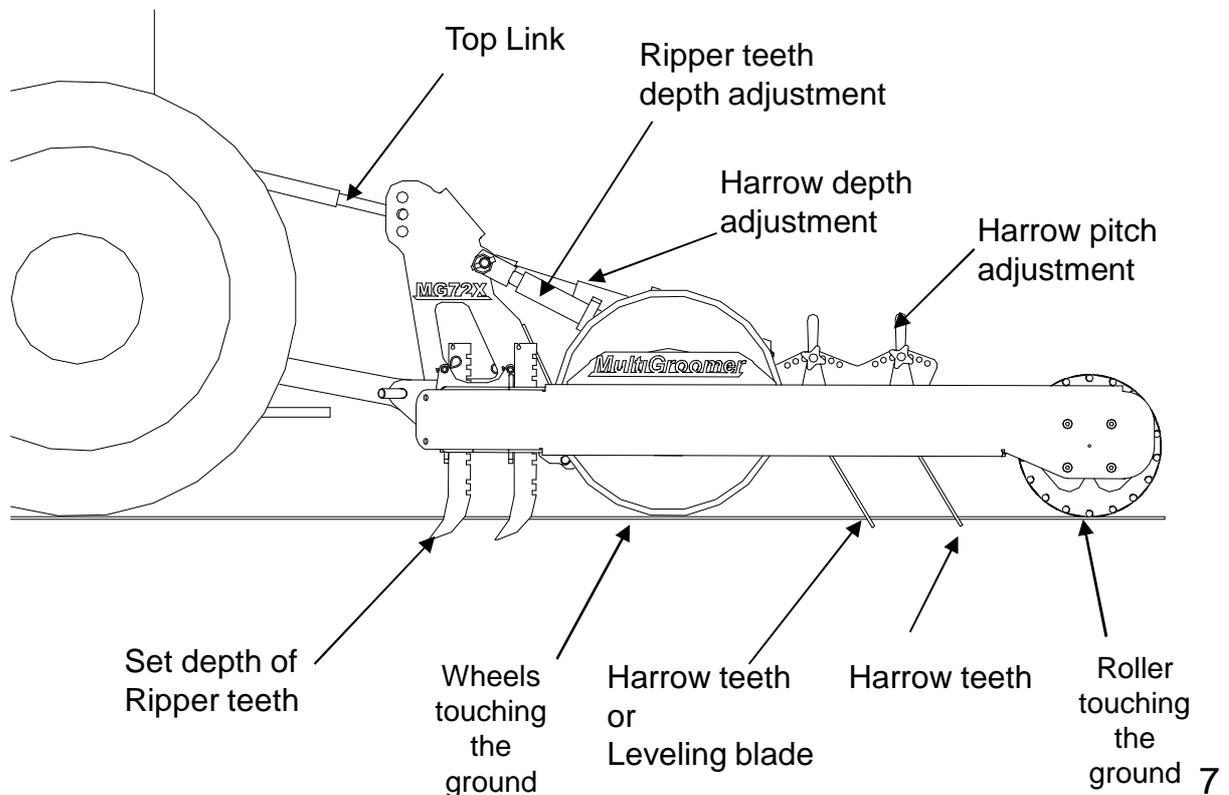


## Operation Instructions

The Multi Groomer is mounted to the tractor with 3<sup>rd</sup> category 1 and category 2 for the 8ft and 10ft. An Optional Drawbar hitch is also available to be towed with tractor or ATV. It is IMPORTANT that proper adjustments are made to achieve best results.

### Operation:

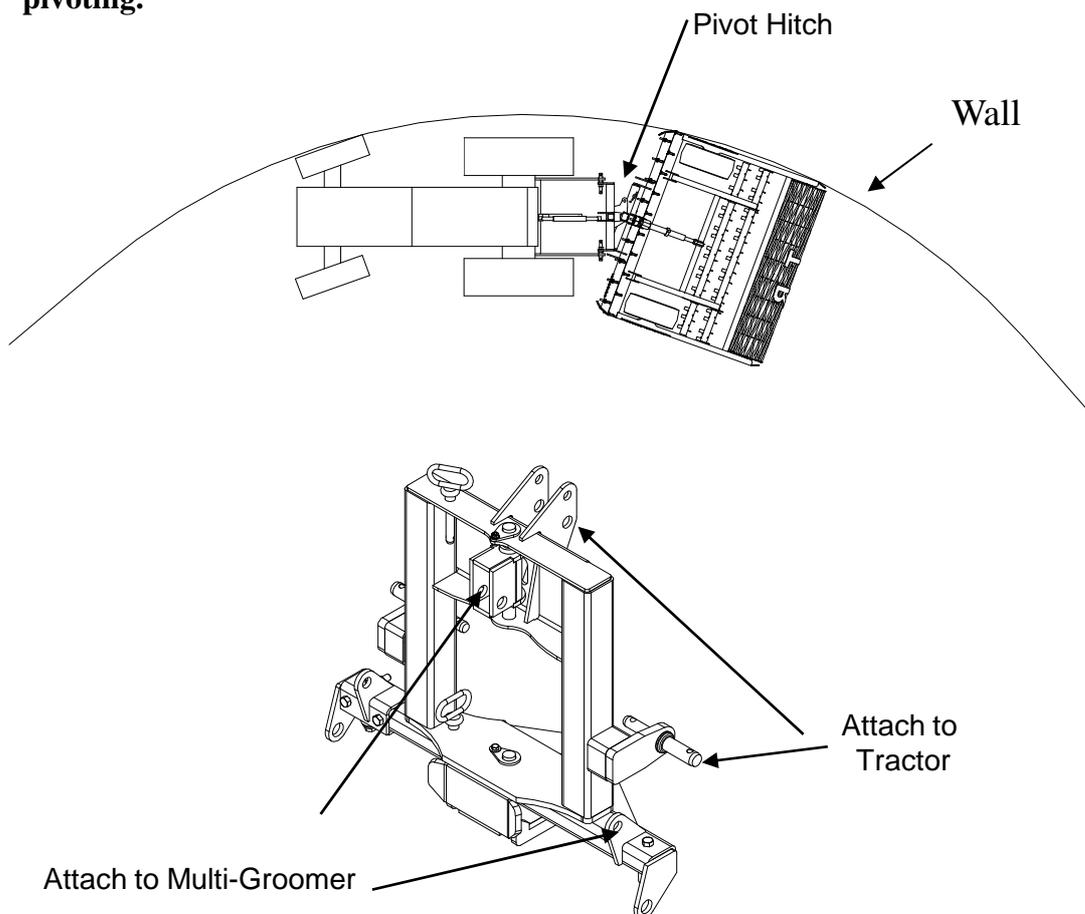
1. With 3 PTH lever in max. down position start Grooming at 4 to 8 km per hour.
2. If you have the leveling blade option adjust the depth so that there is always a small amount of sand being dragged along.
3. Using this method of adjustment the MultiGroomer will remove high spots & fill in low spots.
4. For best results use alternative driving patterns as you groom.
5. Top link has to be adjusted so that both the wheels and the rear roller are touch at the same time.



## Advantages of the 3PTH Pivot Attachment

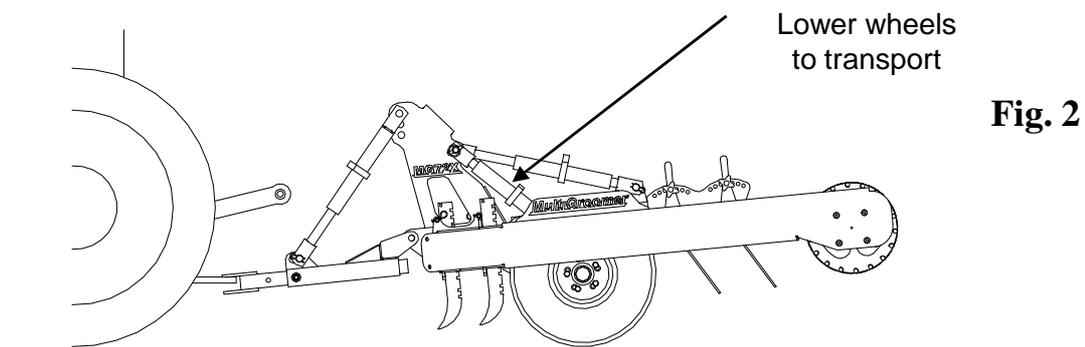
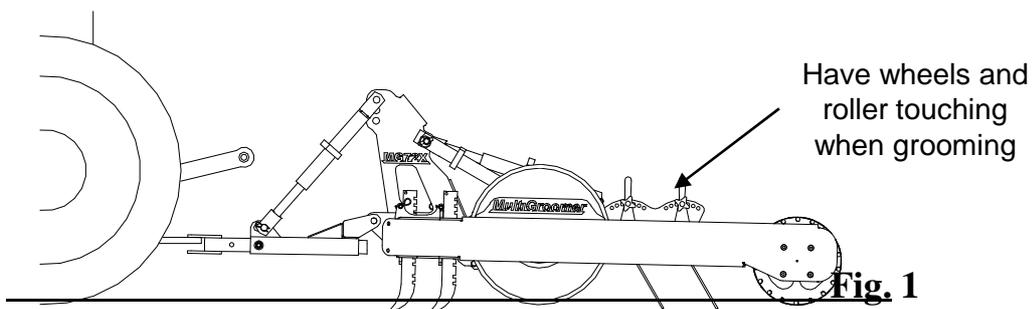
The 3pth Pivot Attachment mounts between the tractor and the MultiGroomer. The advantages with this attachment is:

1. It doesn't torque sideways when turning.
2. Doesn't swing out and hit fence or the wall when turning.
3. Enables you to get into the corners and closer to the fence/wall of your arena or corral.
4. Doesn't push the soil to the side and into the corners when turning.
5. Automatically swings into straight position when Groomer is lifted.
6. When doing heavy ripping with front teeth a pin is easily dropped in to disable pivoting.



## Tow Attachment

The Tow Attachment is needed if 3PTH is not available, example ATV's, Utility vehicles, or tractors without 3PTH. The tow attachment connects directly to the MultiGroomer. For operation, adjust jack or cylinder so that both the wheels and the roller is touching the ground. See Fig. 1. Fig. 2 is to put MultiGroomer in transport position by lowering wheels.

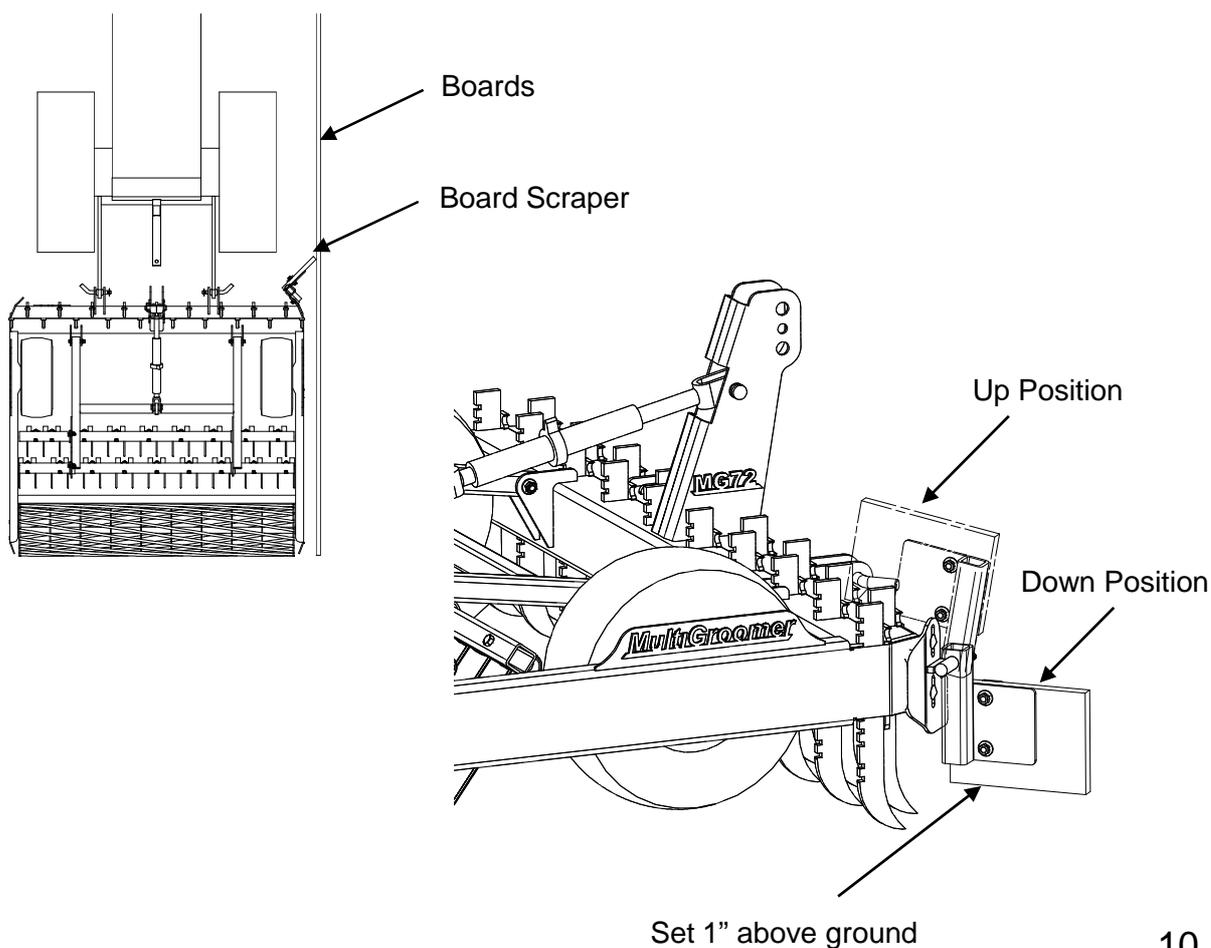


**Fig. 3**

## Board Scraper

Overtime with riding and grooming, the surface material that you have in your riding area whether it's sand, dirt, or whatever surface material you have, it will push to the walls. This can easily be rectified with the MGBS Board Scraper. It is easily installed to the side of the Multigroomer with two 1/2" carriage bolts. It can easily be swung up and out of the way when not in use. It is made with heavy rubber so that it will not damage the boards.

To set up the board scraper set the Multigroomer on the ground with the wheels and roller touching the ground. Then loosen the two bolts so that the board scraper can be moved up and down in the slots. In the down position the scraper should be 1" off the ground. Then tighten the bolts.

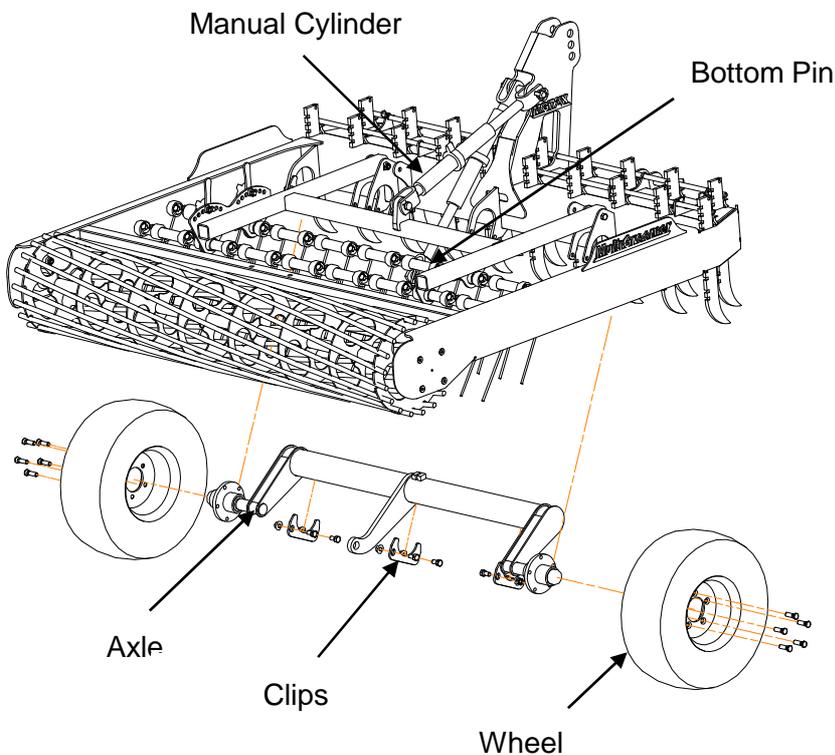


## Wheel Removal Instructions

**Safety is the most important thing to keep in mind!**

Removing a wheel or wheels is simply a matter of following the instructions in the proper order. It should be done when it is hooked on the tractor or can be done with an over head crane. **NEVER GO UNDER MACHINE UNLESS IT IS PROPERLY BLOCKED.**

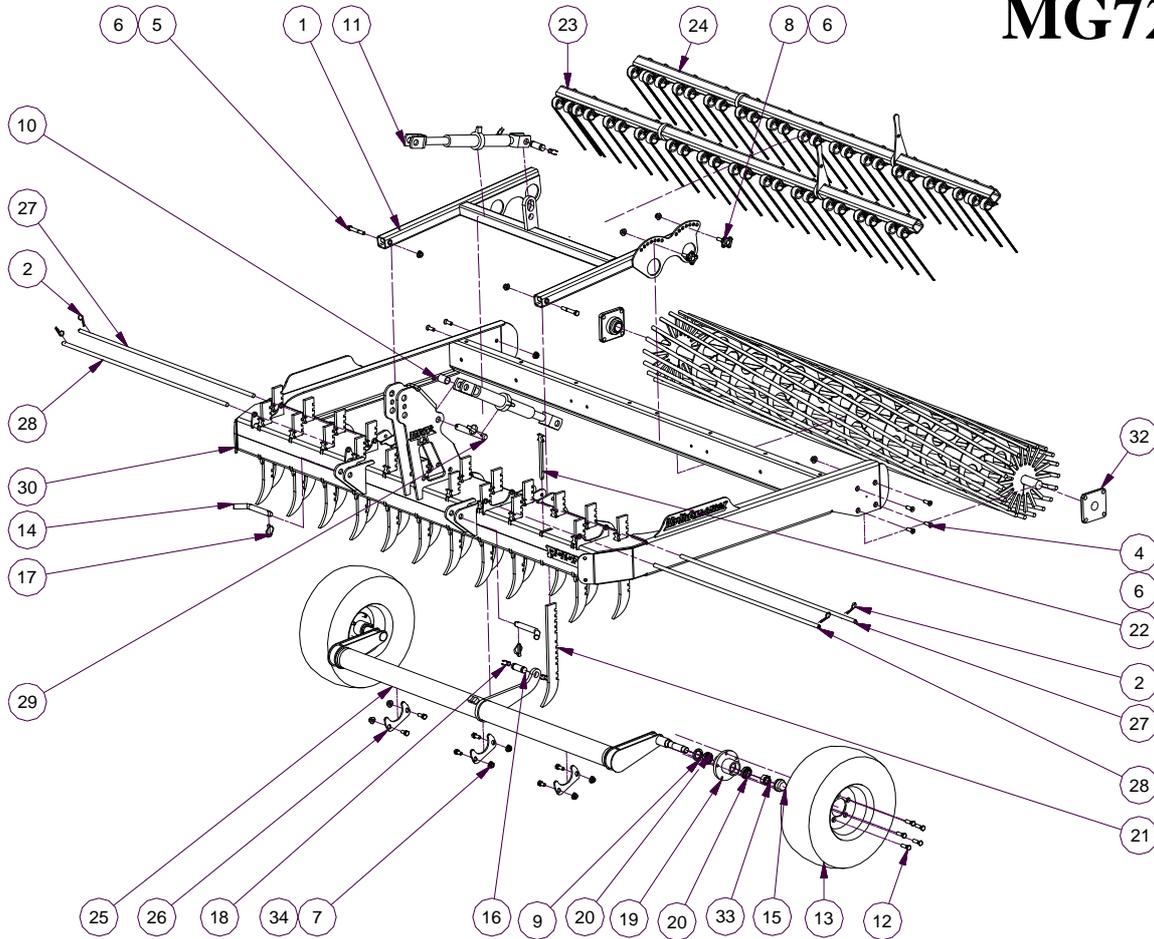
1. Having the MultiGoomer sitting on the ground remove the bottom pin from the manual cylinder (or hydraulic cylinder if you have that option).
2. Remove the clips held by  $\frac{1}{2}$  bolts holding the axle.
3. Raise the MultiGroomer up a with the tractor and drive ahead.
4. Remove wheel from axle.
5. To install do the steps starting from 4 through to 1.



# MutliGroomer Parts List



## MG72-LA



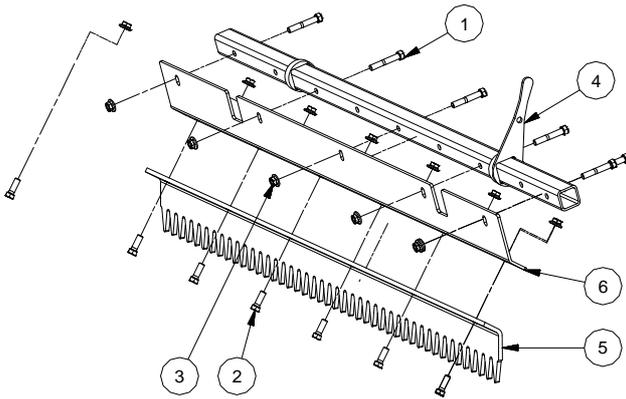
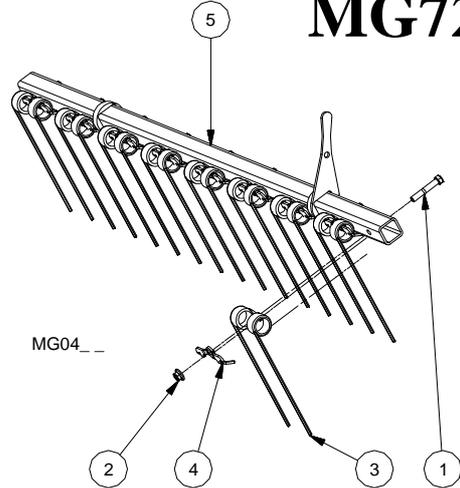
Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	MG69	Harrow Frame	18	4	FXDBL	Hair Pin
2	4	109-00060-0062	COTTERS, HAIRPIN	19	2	H010005450	Hub
3	5	12114	Hex Bolt	20	4	L44643 / L44610	Tapered Roller Bearing
4	8	12112SHCS	Flat Head Cap Screw	21	23	MG01	Ripper Tooth
5	2	12312	Bolt	22	23	MG02	Tooth Lock
6	12	12FSLN	Flange Nut	23	1	MG04_ _	Harrow Bar Assembly Front
7	10	12FSLN	Flange Nut	24	1	MG05_ _	Harrow Bar Assembly Rear
8	2	135-052	Knob	25	1	MG54_ _	Wheel Axle
9	2	20124	SEAL	26	5	MG55_ _	Axle Mount Plate B
10	1	381703 134	Bushing	27	2	MG56_ _	Lock Shaft Rear
11	2	386501	Ratched Jack	28	2	MG57_ _	Lock Shaft Front
12	10	500-20	Wheel bolt/Bolt	29	1	MG58	Top Pin
13	2	8074684	Wheel	30	1	MGF50_ _	MultiGroomer Frame
14	2	CAT1-784	Cat 1 Arm Pin	31	1	MGR_ _	Roller ( Inches Wide)
15	2	D-1000	Dust Cap	32	2	SAF208-24G	Bearing
16	2	100x200	Pin	33	2	SJ-114	Slotted Hex Nut
17	4	FX02698	Lynch Pin	34	5	12*1	Hex Bolt

# MutliGroomer Parts List



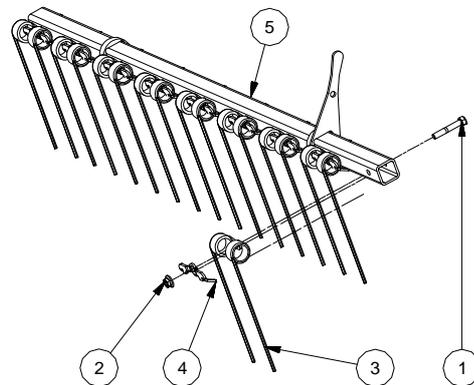
## MG72

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	9	12*3	Bolt
2	9	12FSLN	Flange Nut
3	9	JD311	Tine
4	9	MG23	Tine Clip
5	1	MG06_ _	Bar Weldment Front



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	12*3	Bolt
2	8	12112	Bolt
3	14	12FSLN	Flange Nut
4	1	MG06_ _	Bar Weldment Front
5	1	MG09_ _	Grader Blade
6	1	MG10_ _	Leveling Blade Base Plate

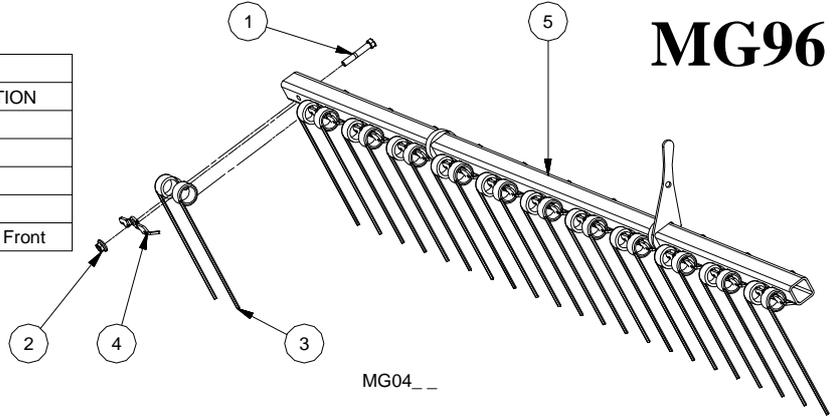
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	9	12*3	Bolt
2	9	12FSLN	Flange Nut
3	9	JD311	Tine
4	9	MG23	Tine Clip
5	1	MG07_ _	Rear Bar Weldment



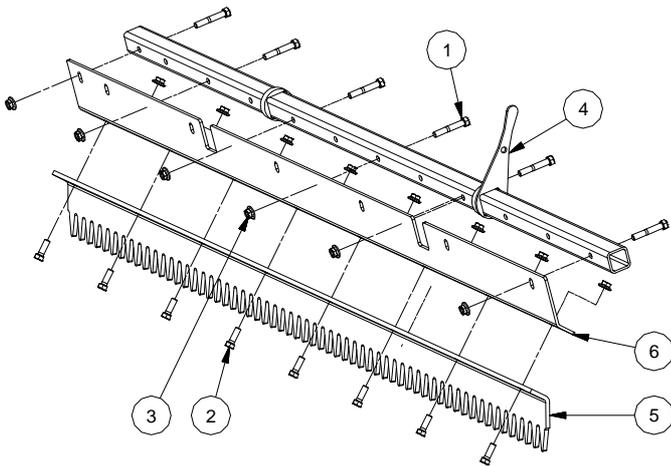
# MutliGroomer Parts List



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	12	12*3	Bolt
2	12	12FSLN	Flange Nut
3	12	JD311	Tine
4	12	MG23	Tine Clip
5	1	MG06_ _	Bar Weldment Front

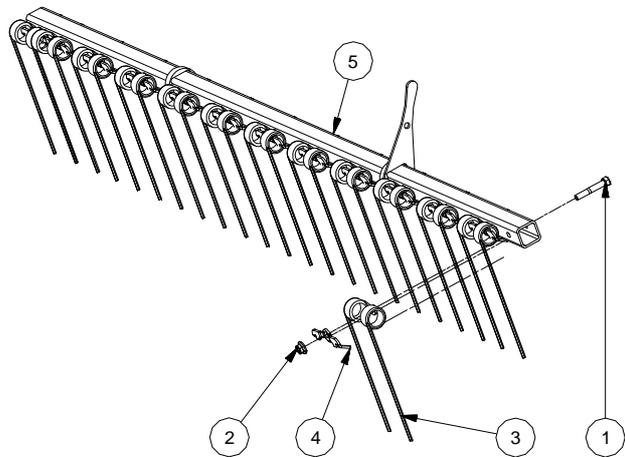


**MG96**



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	12*3	Bolt
2	8	12112	Bolt
3	14	12FSLN	Flange Nut
4	1	MG06_ _	Bar Weldment Front
5	1	MG09_ _	Grader Blade
6	1	MG10_ _	Leveling Blade Base Plate

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	13	12*3	Bolt
2	13	12FSLN	Flange Nut
3	13	JD311	Tine
4	13	MG23	Tine Clip
5	1	MG07_ _	Rear Bar Weldment

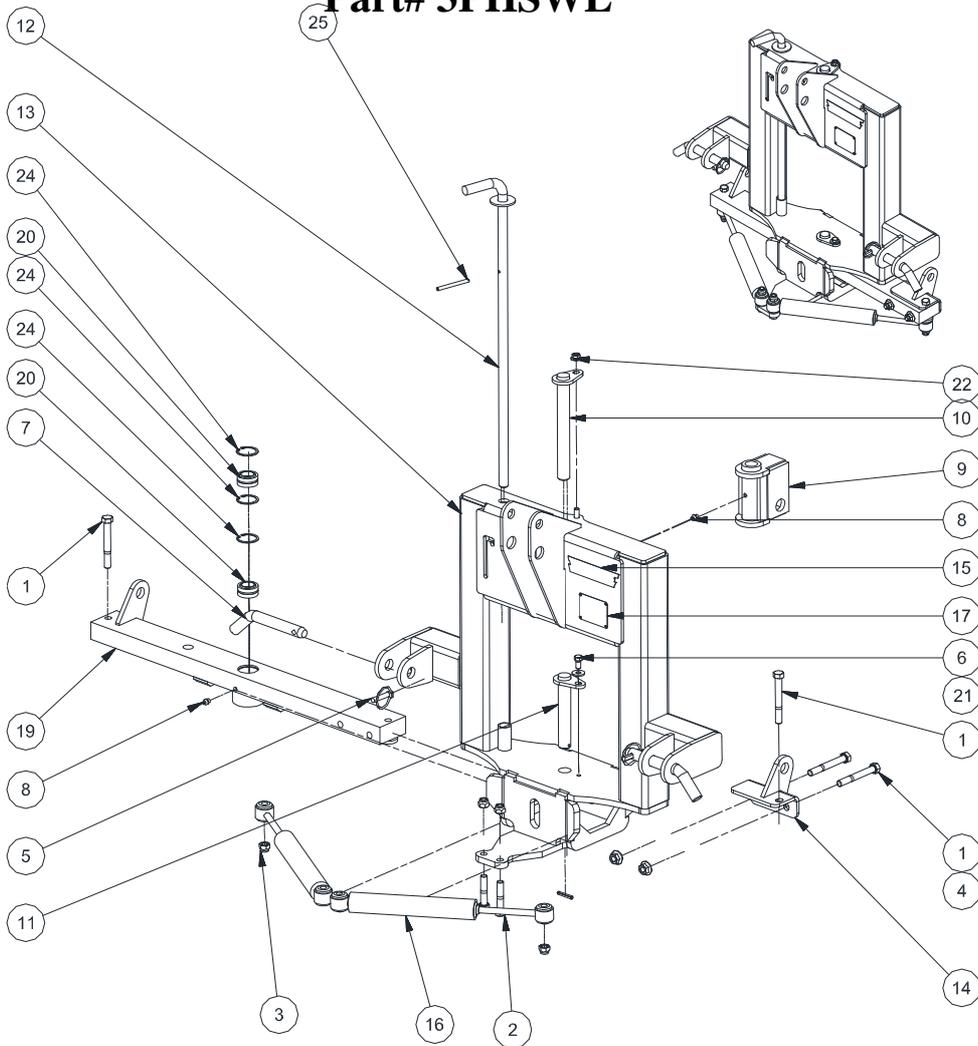


# MutliGroomer Parts List



## Pivot Hitch

Part# 3PHSWL

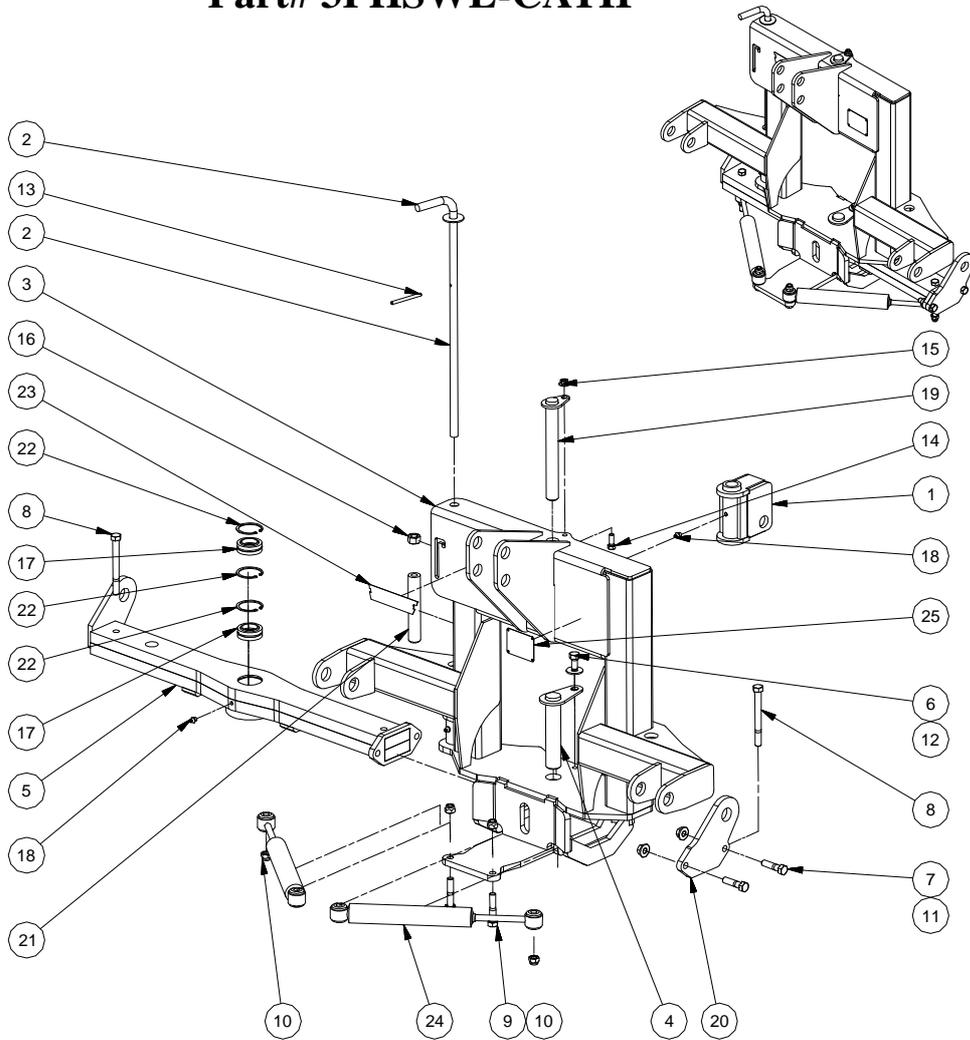


Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	12*4	Hex Bolt	14	1	MG85	Lower Hitch End
2	2	12212	Hex Bolt	15	1	RD107	Reist Decal
3	4	12CLN	Lock Nut	16	2	SS10317	Steering Stabilizer
4	2	12FSLN	Flange Nut	17	1	Serial	Serial # Plate
5	2	385507	7/16 Lynch Pin	18	1	14112RP	Roll Pin
6	1	3834	Hex Bolt	19	1	100415	Lower Pivot
7	2	CAT1-784	Cat 1 Arm Pin	20	2	HH1000ES	Self Aligning Brg
8	2	GF	1/8 NPT ST Zerk	21	1	38F	Plain Washer
9	1	MG32	Top Link Pivot	22	1	38FSLN	Flange Nut
10	1	MG33	Pin A	23	1	38*1	Hex Bolt
11	1	MG34	Pin B	24	3	N5000-162	internal retaining ring
12	1	MG44	Lock Pin	25	1	143RP	Roll Pin
13	1	MG84	3 PHT Pivot Weldment				

# MutliGroomer Parts List



## Pivot Hitch Part# 3PHSWL-CATH

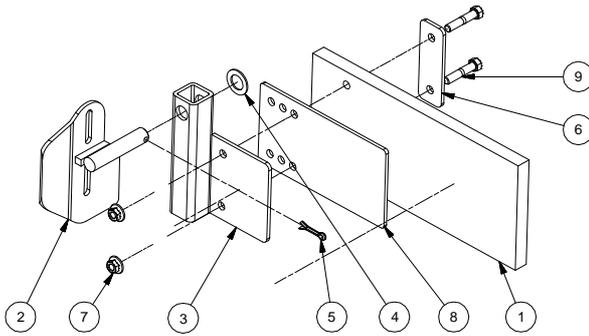


Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	100300	Top Link Pivot	14	1	38*1	Hex Bolt
2	1	100510	Lock Pin Handle	15	1	38FSLN	Flange Nut
3	1	100525	3 PHT Pivot Weldment	16	1	58N	Hex Nut
4	1	100528	Pin B	17	2	GEG32ES	Self Aligning Brg MM
5	1	100560	Lower Pivot	18	3	GF	1/8 NPT ST Zerk
6	1	12*1	Hex Bolt	19	1	MG78	Pin A
7	2	12*2	Hex Bolt	20	1	MG81	Plate
8	2	12*5	Hex Bolt	21	1	MG82	Lock Pin
9	2	12212	Hex Bolt	22	3	N5000-206	internal retaining ring
10	4	12CLN	Lock Nut	23	1	RD107	Reist Decal
11	2	12FSLN	Flange Nut	24	2	SS10317	Steering Stabilizer
12	1	12FW	Plain Washer	25	1	Serial	Serial # Plate
13	1	143RP	Roll Pin				

# MutliGroomer Parts List

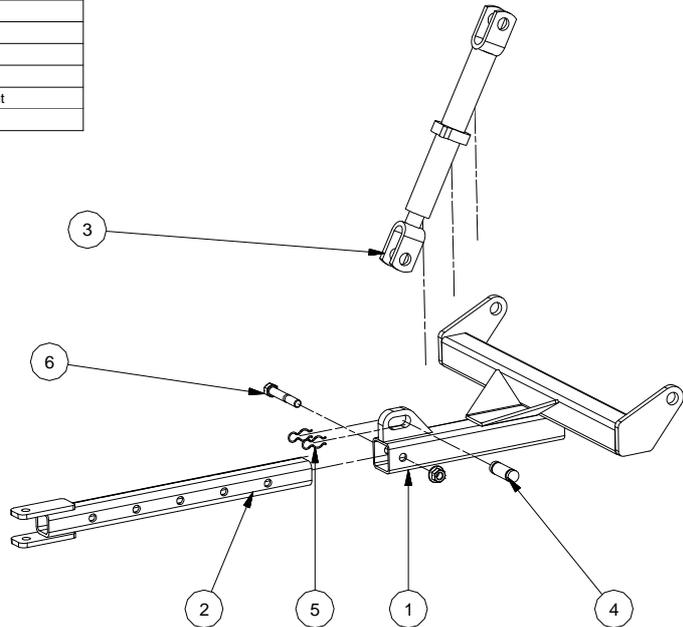


## Board Scraper Part# MGBS



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	MG16	Rubber Scraper
2	1	MG17	Swing Base Mount
3	1	MG18	Swing Arm
4	1	1M	Washer
5	1	142CP	Cotter Pins
6	1	MG19	Metal Washer Plate
7	2	12FSLN	Flange Nut
8	1	MG62	Rubber Reinforcement
9	2	12212	Hex Bolt

## Tow Hitch Part# MGTH



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	MG14	Tow Bar Weldment
2	1	MG15	Draw Bar
3	1	386501	Ratched Jack
4	1	637855	Pin
5	2	637856	Hair Pin
6	1	584	Bolt
7	1	58FSLN	Flange Nut

# WARRANTY



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 at his business location. 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 manufacturers recommendations, damaged by negligence or if maintenance has not been carried out as specified.

**THIS WARRANTY IS NOT TRANSFERABLE**

### ***Proof of Purchase***

Date of purchase (yyyy mm dd)		Model	Serial #	
Dealer purchased from		City	State or Province	Country
First Name		Last Name	Phone # (include area code)	
Address			State or Province	Country
City	Postal Code	Reist Industries Inc. 100 Union St. Elmira Ontario N3B 2Z2		519-669-1501

### ***Proof of Purchase***

Date of purchase (yyyy mm dd)		Model	Serial #	
Dealer purchased from		City	State or Province	Country
First Name		Last Name	Phone # (include area code)	
Address			State or Province	Country
City	Postal Code	Reist Industries Inc. 100 Union St. Elmira Ontario N3B 2Z2		519-669-1501

**Reist Industries Inc. Ont.  
100 Union St., Elmira  
Ontario, Canada, N3B 2Z2  
[www.reistindustries.com](http://www.reistindustries.com)**