

PARTS MANUAL

BALE KING V-RAKE VR810

GREEN AND YELLOW ITEM NUMBERS



BRIDGEVIEW

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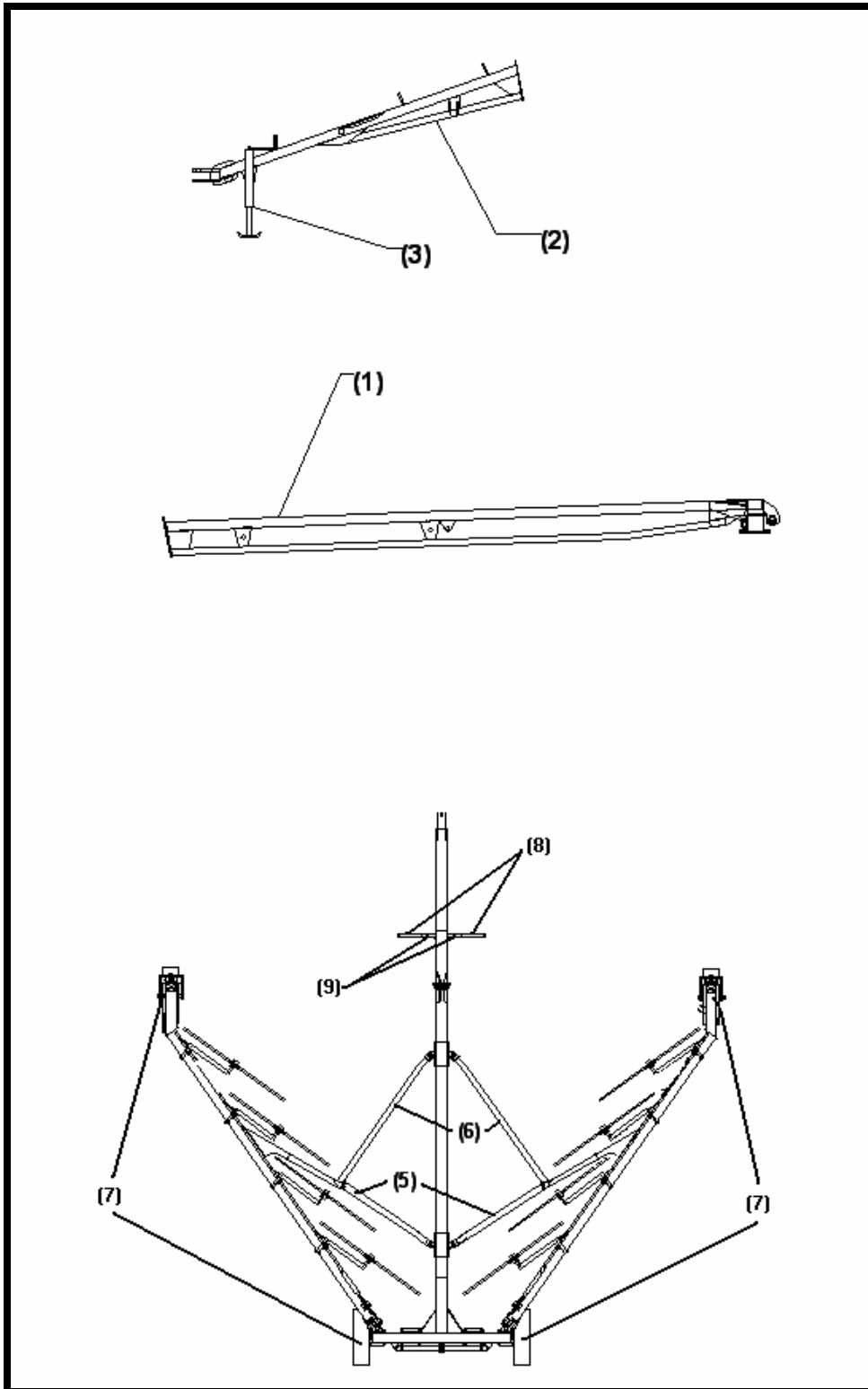
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TABLE OF CONTENTS

BALE KING V-RAKE VR810

MAIN FRAME, WHEELS, SCISSOR ARMS AND TRANSPORT LINKS.....	1 - 2
REAR FRAME ASSEMBLY.....	3 - 4
RAKE ARM ASSEMBLY.....	5 - 6
LIFT ROD ASSEMBLY.....	7 - 8
FRAME SLIDES.....	9
REAR SLIDE ASSEMBLY.....	10
CASTER BRAKE ASSEMBLY.....	11
RAKE WHEEL SPRING ASSEMBLY.....	12
CASTER ASSEMBLY.....	13
RAKE WHEEL ASSEMBLY.....	14
RAKE WHEEL ARM ASSEMBLY.....	15 - 16
HUB ASSEMBLY (REAR FRAME).....	17
HUB ASSEMBLY (CASTER).....	18
HUB ASSEMBLY (RAKE WHEEL ARM).....	19
HYDRAULIC CYLINDER (MAIN).....	20
HYDRAULIC CYLINDER (LIFT ROD).....	21
HYDRAULIC SCHEMATICS.....	22
10 WHEEL EXTENSION PARTS.....	23 - 24

MAIN FRAME, WHEELS, SCISSOR ARMS AND TRANSPORT LINKS

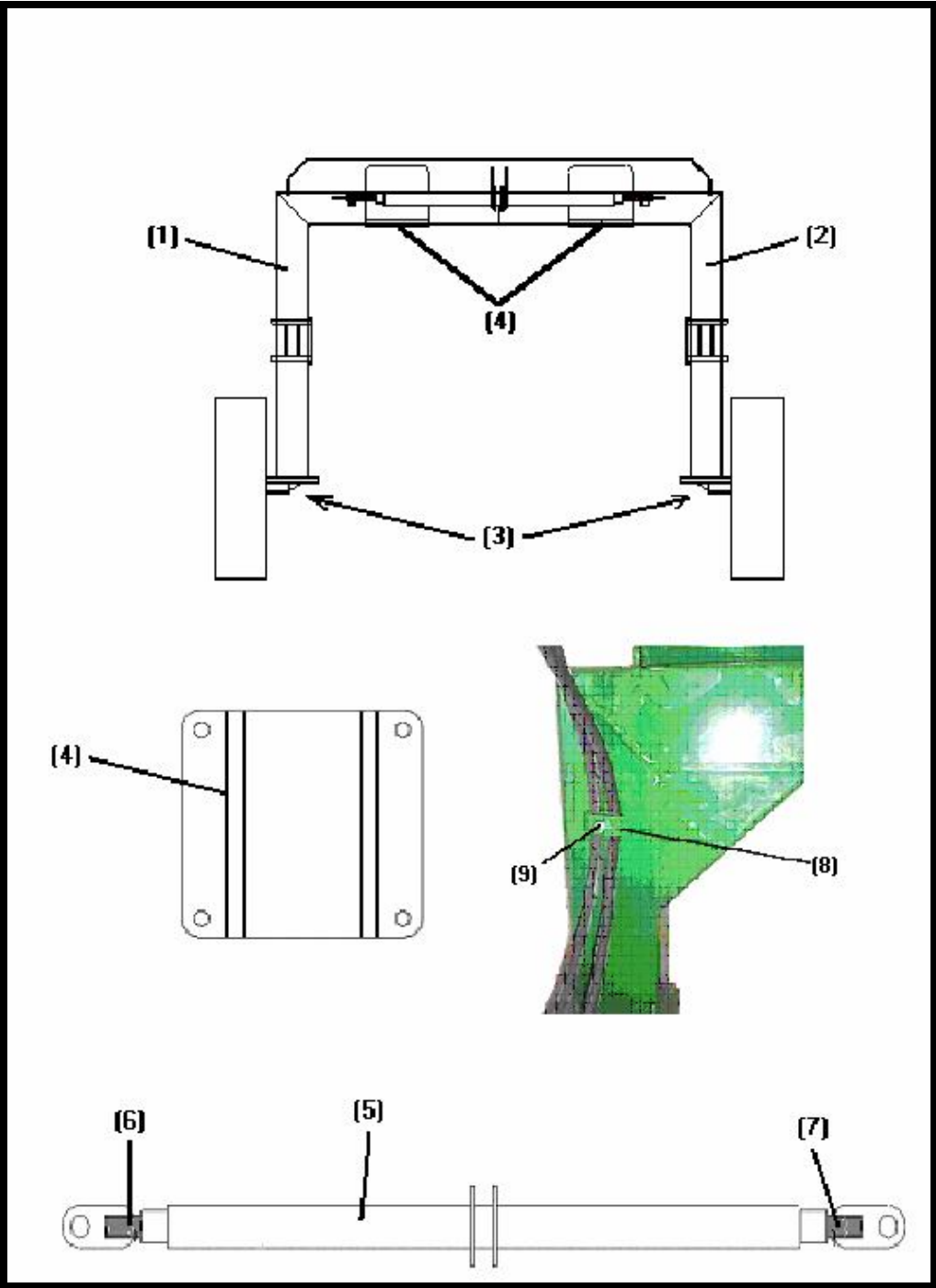


MAIN FRAME, WHEELS, SCISSOR ARMS AND TRANSPORT LINKS

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>		<u>Description</u>	<u>Qty.</u>
	<u>GR</u>	<u>YEL</u>		
1	16786	18142	Main Hitch Beam	
2	16102		Front Hitch (Serial# VR2569 and below)	1
	16532	18082	Front Hitch (Serial# VR2570 and above)	1
Not Shown	14467		5/8" x 1 3/4" NC Bolt	9
Not Shown	11614		5/8" NC Serrated Flange Nut	9
3	14408		Telescoping Jack	1
Not Shown	11785		Jack Pin (w/ hairpin)	1
5	16784	18120	Rear Scissor Arm	2
6	16783	18119	Front Scissor Arm	2
7	16077		Wheel Assembly	4
Not Shown	16078		Tire	4
Not Shown	16079		Rim, Yellow	4
Not Shown	16730		VR1214 Decal	2
Not Shown	16732		//// BMI Decal – Right	1
Not Shown	16731		//// BMI Decal – Left	1
8	16528	18083	Transport Link Slide	2
9	16530	18084	Transport Link Sleeve	2
Not Shown	16339		Transport Link Pins (w/ hairpins)	6

REAR FRAME ASSEMBLY

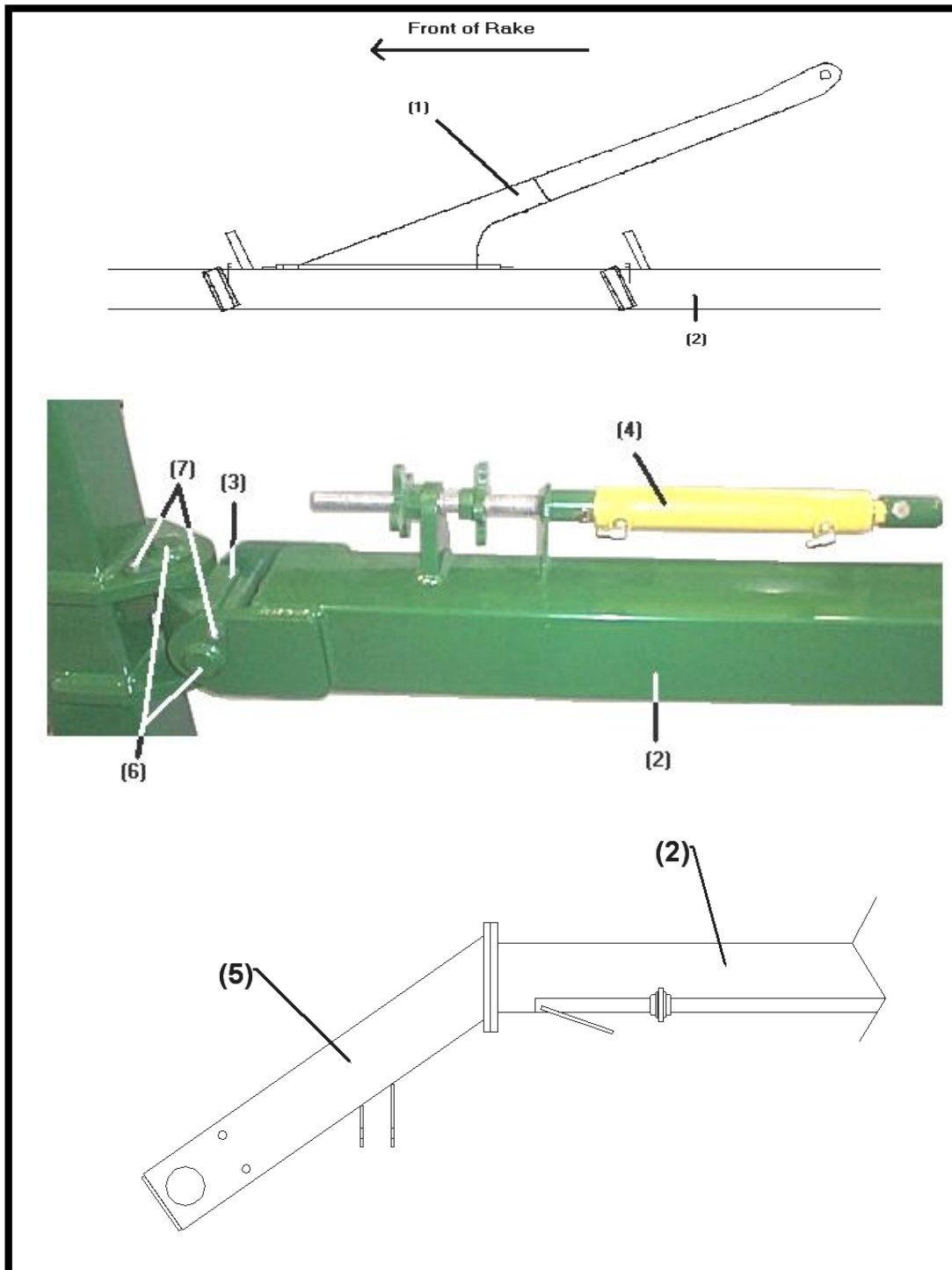


REAR FRAME ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	<u>GRE</u>	<u>YEL</u>	
1	16104	18086 Left Rear Frame	1
2	16105	18087 Right Rear Frame	1
3	16129	18091 Rear Axle Mount	2
Not Shown	14467	5/8" x 1 3/4" NC Bolt	8
Not Shown	11614	5/8" NC Serrated Flange Nut	8
4	16142	18124 Rear Frame Clamp Plate	2
Not Shown	14467	5/8" x 1 3/4" NC Bolt	8
Not Shown	13792	5/8" Lock Washer	8
Not Shown	10176	5/8" NC Nut	8
5	16141	20692 Main Ratchet Jack Body	1
6	16487	18088 Left Ratchet Jack Rod	1
7	16488	18089 Right Ratchet Jack Body	1
Not Shown	16489	Ratchet Jack Pin	2
Not Shown	10580	1/4" X 2" Cotter Pin	2
8	16490	Hose Clip	2
9	13802	3/8" NC Locknut	2

RAKE ARM ASSEMBLY

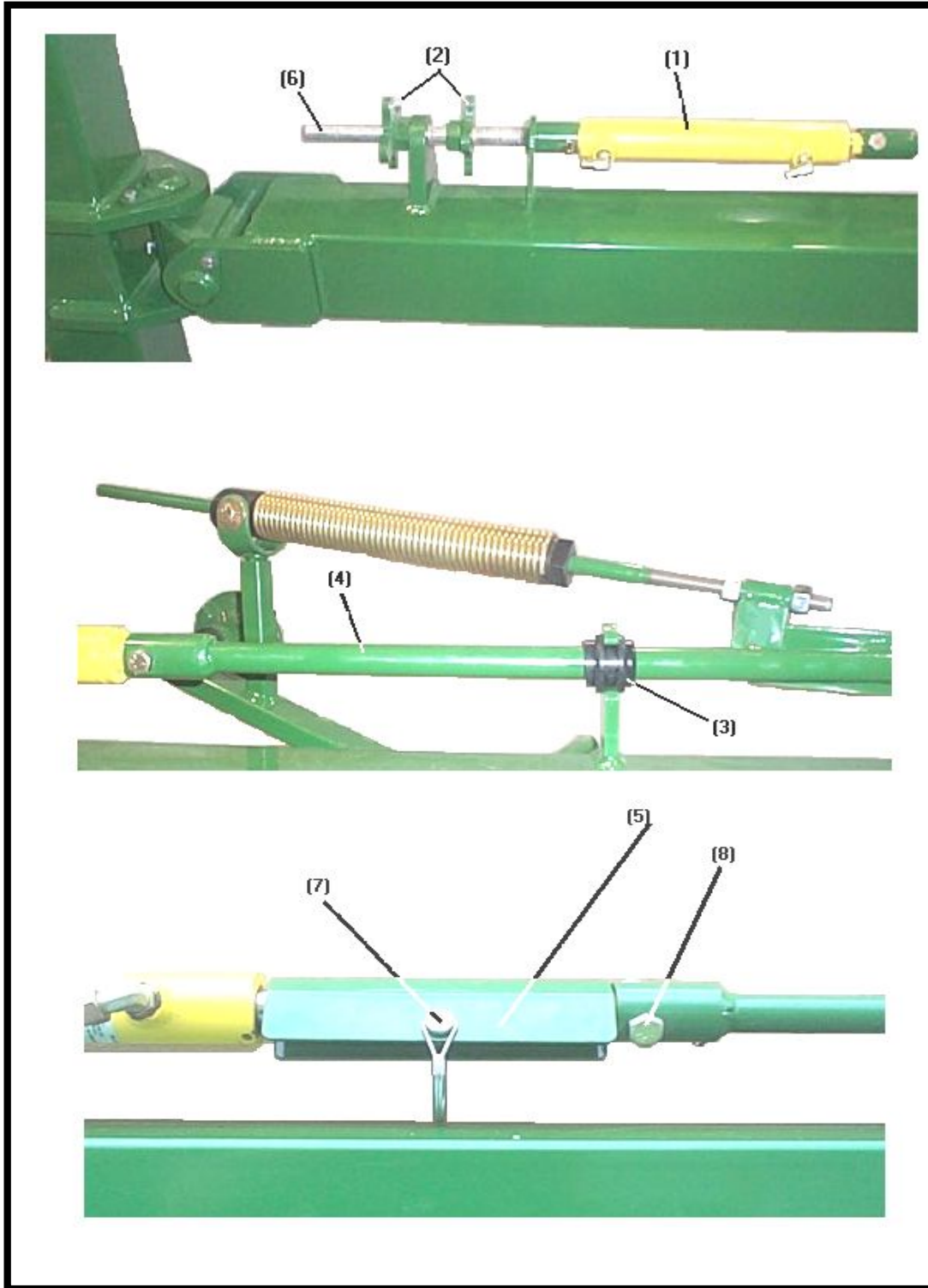


RAKE ARM ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>		<u>Description</u>	<u>Qty.</u>
	<u>GRE</u>	<u>YEL</u>		
1	16120	18129	Left Riser Arm	1
	16121	18130	Right Riser Arm	1
Not Shown	16650		Riser Arm Pin Washer	4
Not Shown	16122		Riser Arm Pin	2
Not Shown	16091		Riser Arm U-Bolt	4
Not Shown	16076		3/4" Serrated Flange Nut	8
2	16781	18097	Left Rake Arm	1
	16782	18098	Right Rake Arm	1
3	16130	18092	Knuckle (Left)	1
	16661	18093	Knuckle (Right)	1
4			Lift Rod Assembly (Page 7)	2
5	16110	18102	LEFT WRAP AROUND CASTER MOUNT	1
	16111	18102	RIGHT WRAP AROUND CASTER MOUNT	1
Not Shown	14467		5/8" x 1 3/4" NC Bolt	12
Not Shown	11614		5/8" NC Serrated Flange Nut	12
6	16131	18094	Knuckle Pin	4
7	13803		3/8" x 1 1/2" NC Bolt	4
Not Shown	13802		3/8" NC Locknut	4
Not Shown	10580		1/4" x 2" Roll Pin	4
Not Shown	16389		Self Tapping Grease Zerk (90°)	4
Not Shown	16364		Self Tapping Grease Zerk	12

LIFT ROD ASSEMBLY

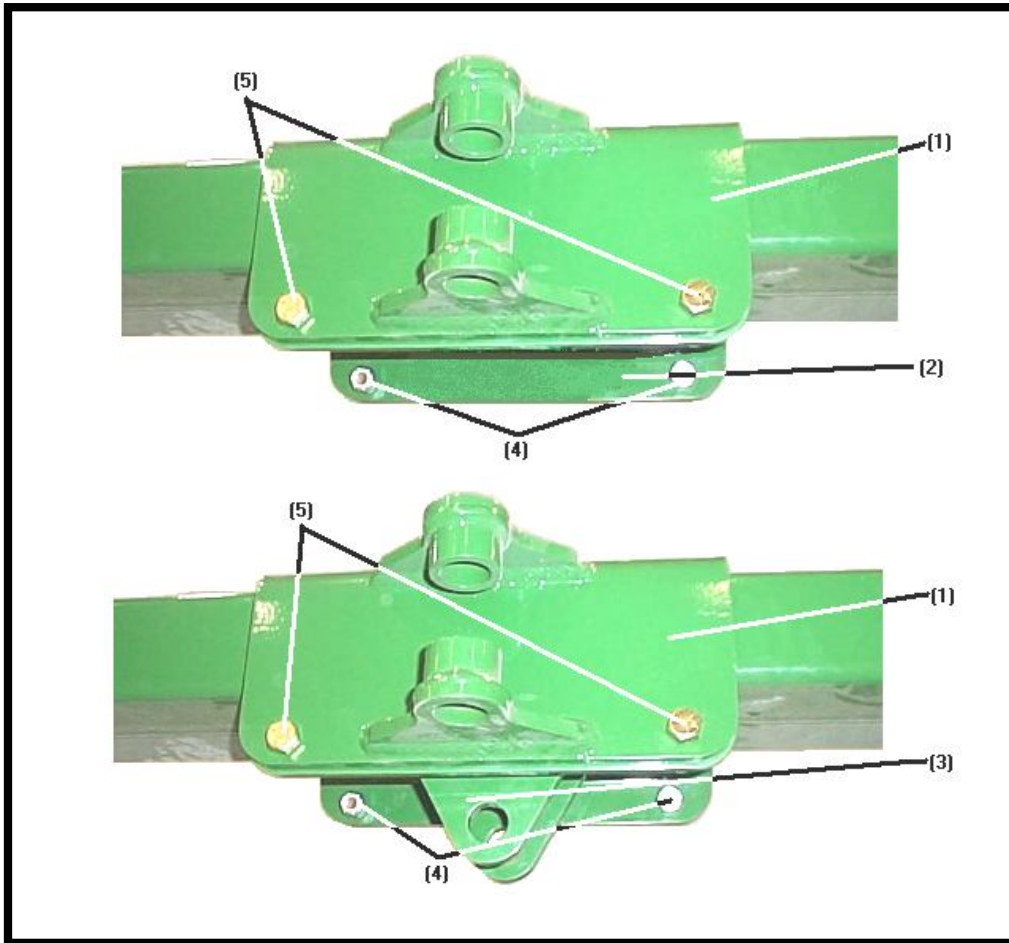


LIFT ROD ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GRE YEL		
1	10317 17442	Hydraulic Cylinder-Lift Rod (Page 23)	2
2	16133 12946	Adjuster Nut	4
3	16099	Lift Rod Bushing	8
4	16785 18107	Main Lift Rod	2
5	16497 18125	Cylinder Safety Lock	2
6	16134 18109	Left Threaded Rod (Left Assembly)	1
	16483 18110	Right Threaded Rod (Right Assembly)	1
7	12050	Tension PTO Clip	2
8	13805	1/2" x 2 1/4" NC Bolt	4
Not Shown	14443	1/2" NC Locknut	4

FRAME SLIDES (FRONT AND REAR)

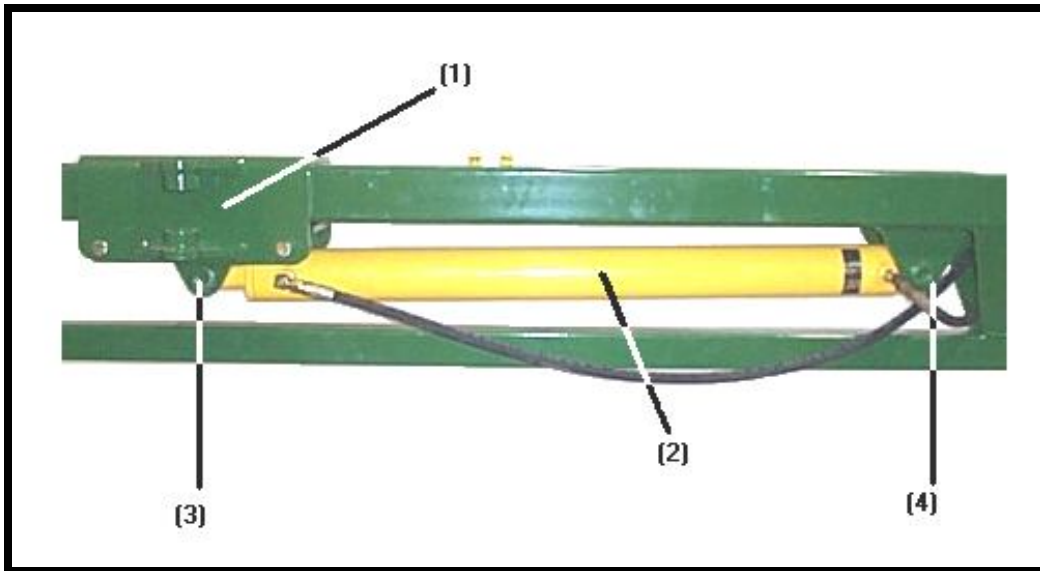


FRAME SLIDES (FRONT AND REAR)

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	<u>GRE</u> <u>YEL</u>		
1	16116 18121	Slide Top Plate	2
2	16117 18122	Front Slide Bottom Plate	1
3	16118 18123	Rear Slide Bottom Plate	1
4	14443	1/2" NC Locknut	8
5	14461	1/2" x 1 1/2" Bolt	8
Not Shown	16119 18126	Slide Pins	4
Not Shown	10580	1/4" x 2" Roll Pin	4

REAR SLIDE ASSEMBLY

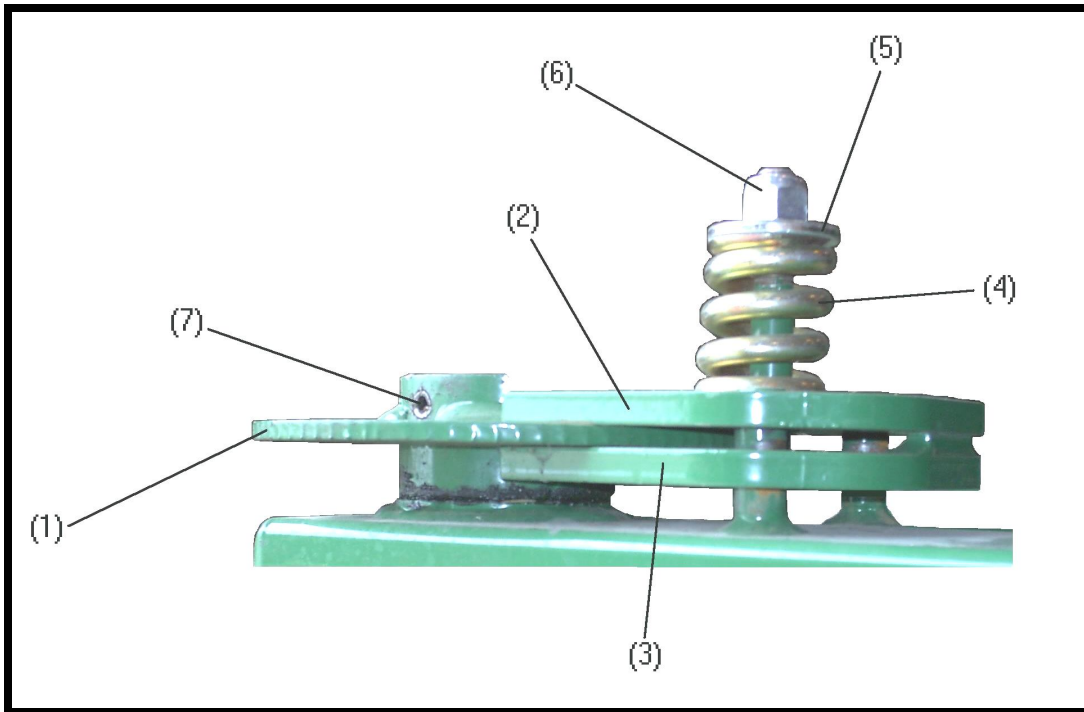


REAR SLIDE ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GRE YEL		
1		Rear Slide (Page 5)	1
2	16301	Hydraulic Cylinder - Main (Page 22)	1
3	16140 18128	Ram End Cylinder Pin	1
4	16139 18127	Butt End Cylinder Pin	1
Not Shown	10580	1/4" x 2" Cotter Pin	2

CASTER BRAKE ASSEMBLY

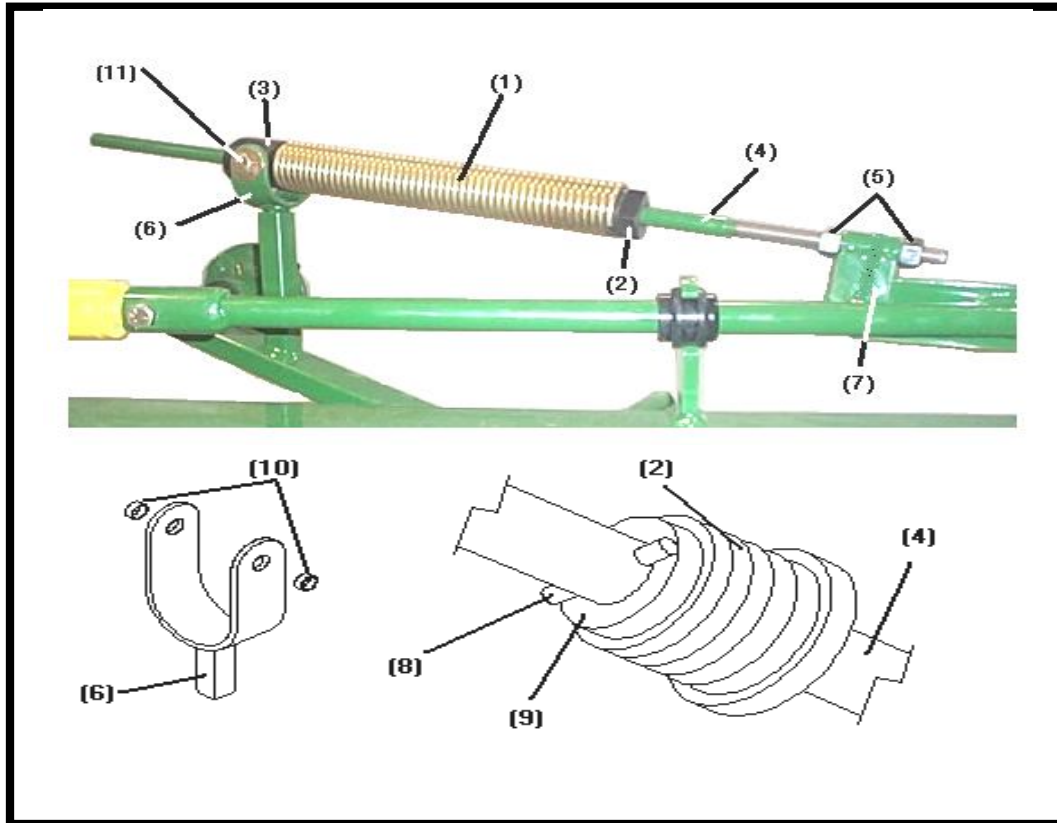


CASTER BRAKE ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
1	16136	Brake Disk	2
2	16137	Top Brake Pad	2
3	16138	Bottom Brake Pad	2
4	16093	Brake Spring	2
5	13790	1/2" Flat Washer	2
6	14443	1/2" NC Locknut	2
7	16039	3/8 X 2 3/4 ROLL PIN	2

RAKE WHEEL SPRING ASSEMBLY

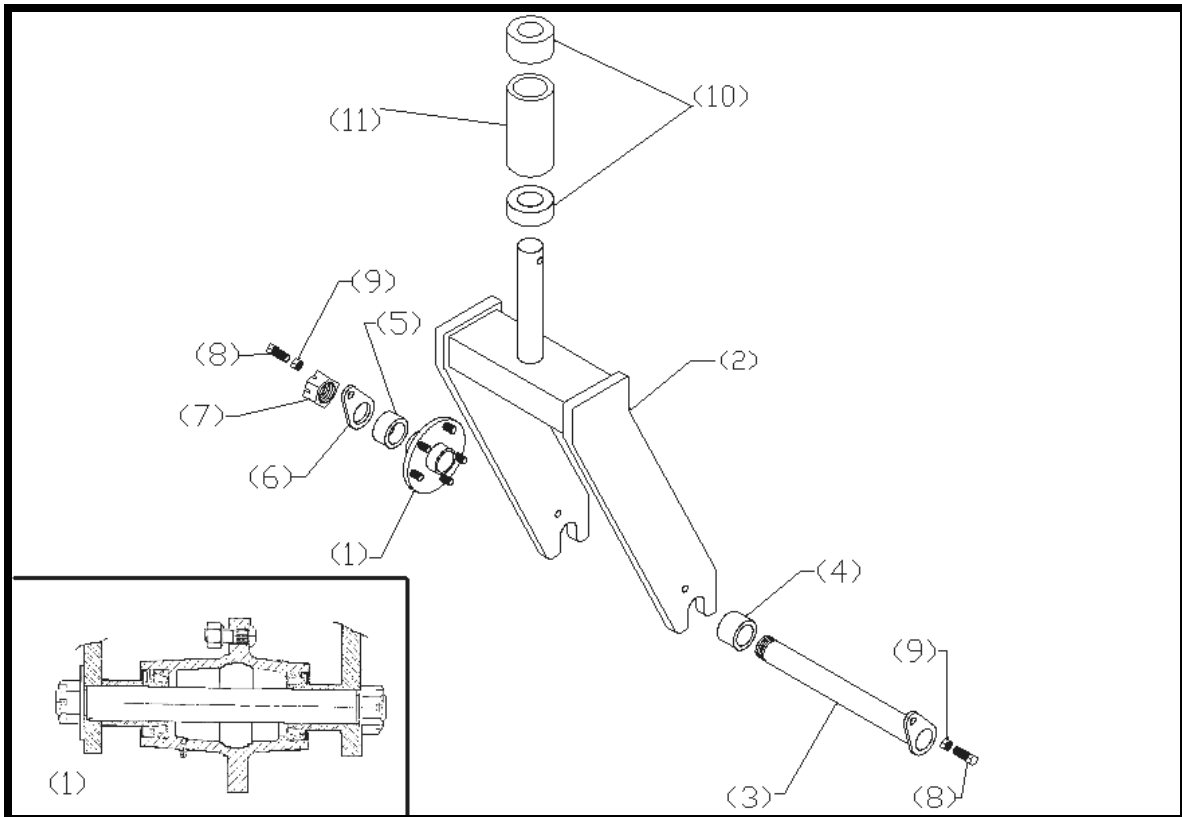


RAKE WHEEL SPRING ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GRE YEL		
1	16095	Spring	8
2	16100	Pull Spring Retainer Guide	8
3	16101	Pull Spring Guide Pivot	8
4	16493	Spring Rod	8
5	10176	5/8" NC Nut	16
6	16494 18533	Spring Yoke	8
7	16495 17397	Spring Assembly Clevis	8
8	10302	Roll Pin 3/8" x 1 1/4"	16
9	16652	Spring Slide Rod Washer	16
10	16290	Spring Pivot Bushing	16
11	14460	1/2" x 1" NC Bolt	16
Not Shown	14638	1/2" x 1 3/4" NC Bolt	8
Not Shown	14443	1/2" NC Locknut	8
Not Shown	13790	1/2" Flat Washer	8

CASTER ASSEMBLY

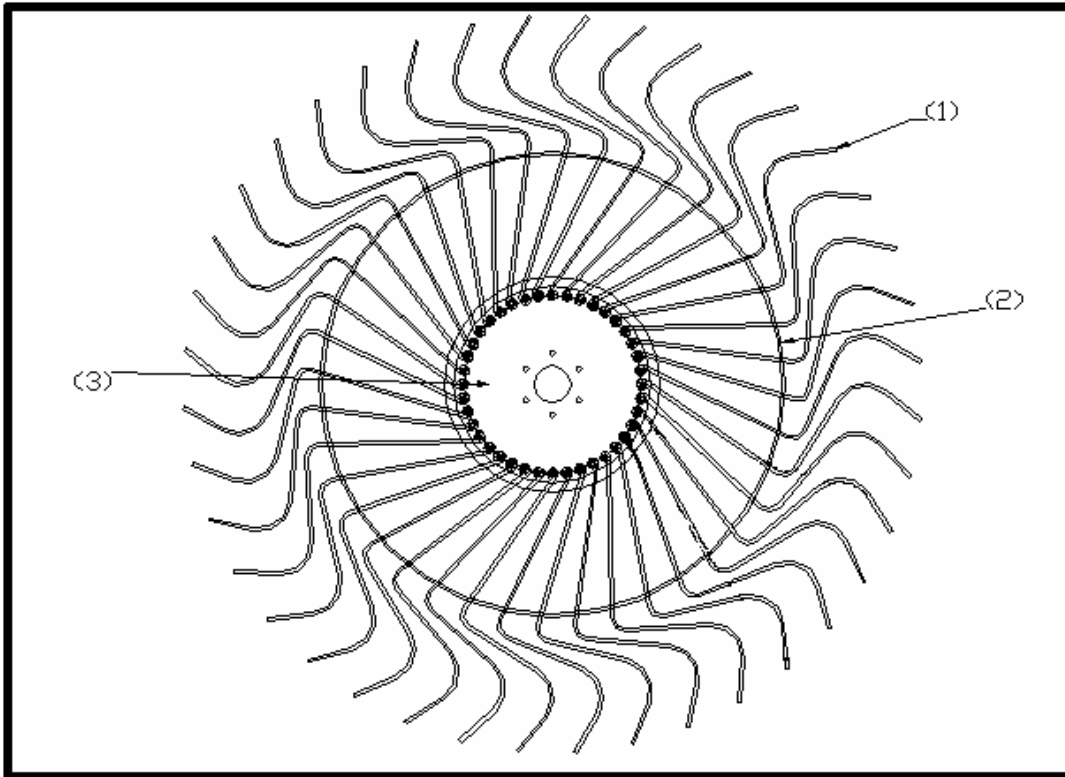


CASTER ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u> <u>GRE YEL</u>	<u>Description</u>	<u>Qty.</u>
1		Caster Hub Assembly (Page 18)	2
2	16114 18103	Caster Forks	2
3	16135 18104	Caster Axle	2
4	16486 18135	Caster Axle Spacer B	2
5	16485 18134	Caster Axle Spacer A	2
6	16144 18105	Caster Axle Hanger	2
7	16087	1 1/4" NF Castle Nut	2
8	16040	3/8" x 1 3/4" NC Bolt	4
9	13802	3/8" NC Locknut	4
Not Shown	16097	Caster Wheel Pivot Bushing	4
Not Shown	16404	Caster Pivot Bushing Spacer	2
Not Shown	16364	Self Tapping Grease Zerk	2
Not Shown	10302	3/16" x 1 1/4" Roll Pin	2

RAKE WHEEL ASSEMBLY

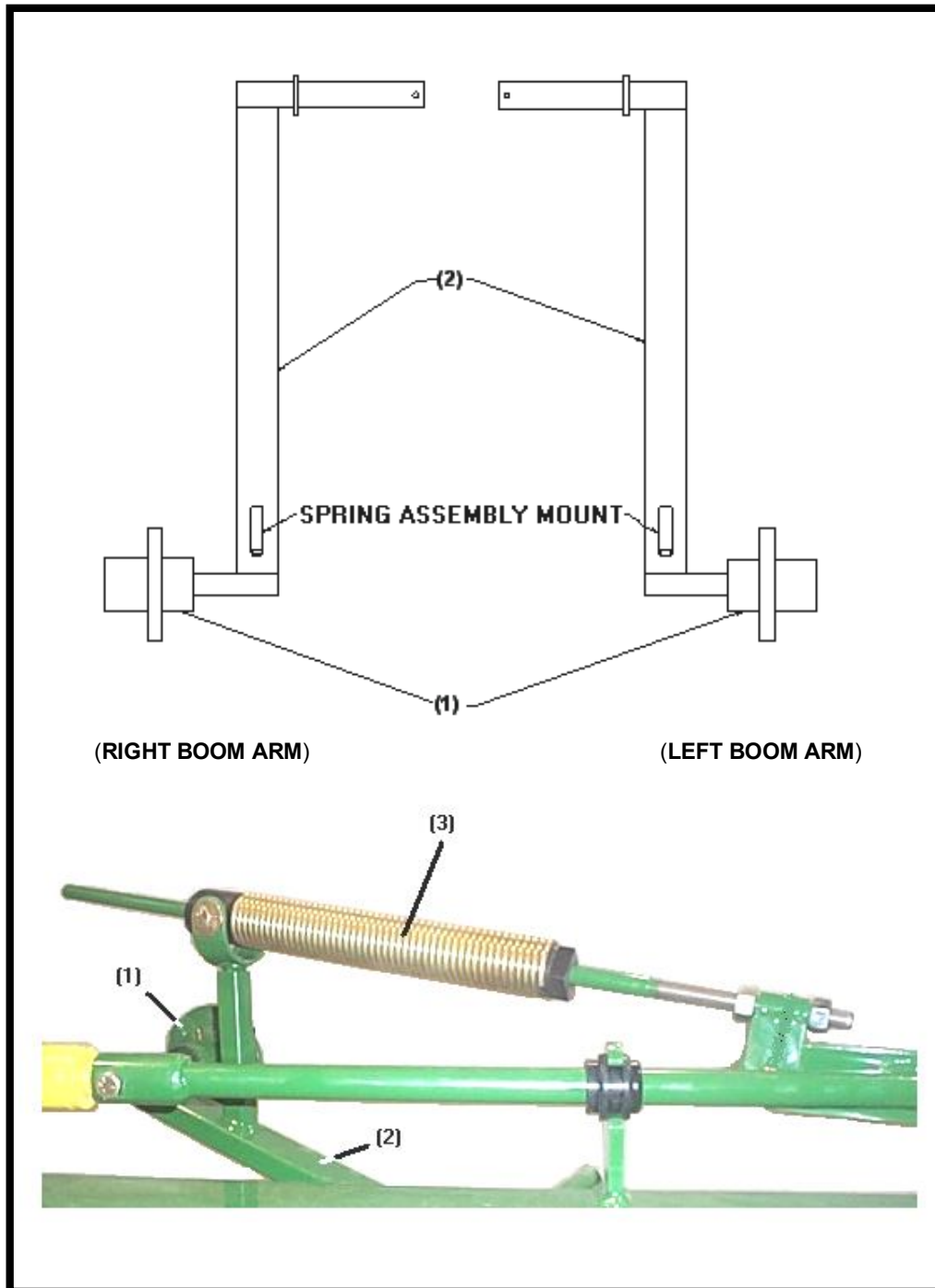


RAKE WHEEL ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>		<u>Description</u>	<u>Qty.</u>
	<u>GRE</u>	<u>YEL</u>		
	16766	17861	Left Rake Wheel	4
	16767	17862	Right Rake Wheel	4
1	16092		Tines	320
2	16788	YEL	Rake Wheel Outer Ring	8
3	16789	17863	Rake Wheel Center Disk	8
Not Shown	13802		3/8" NC Locknut	320
Not Shown	16388		3/8" x 1 1/4" NC Carriage Bolt	320
Not Shown	16791		Wind guard	8

RAKE WHEEL ARM ASSEMBLY

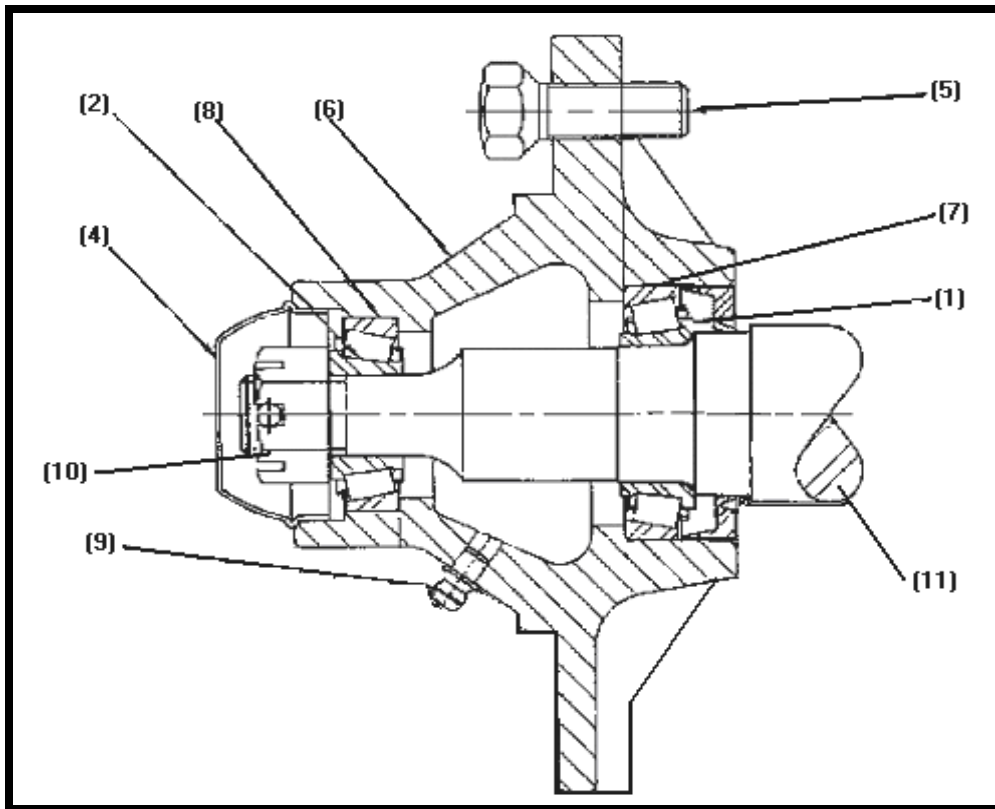


RAKE WHEEL ARM ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>			<u>Description</u>	<u>Qty.</u>
	<u>GRE</u>	<u>OLD</u>	<u>YEL</u>		
1				Rake Wheel Arm Hub Assembly (Page 21)	8
2	18111	16125	18112	Left Rake Wheel Arm	4
	18113	16126	18114	Right Rake Wheel Arm	4
3				Rake Wheel Spring Assembly (Page 16)	8
Not Shown	16651			Rake Wheel Arm Washer	8
Not Shown	15872			1/4" x 2" Roll Pin	8

HUB ASSEMBLY (REAR FRAME)

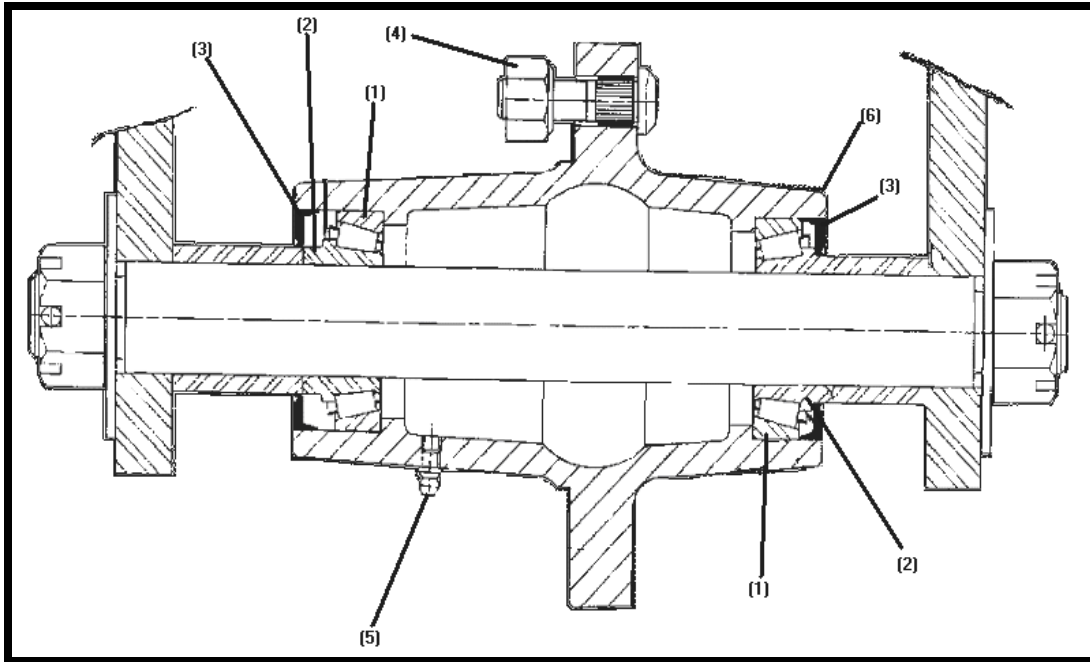


HUB ASSEMBLY (REAR FRAME)

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
1	10082	Inner Cone	2
2	16305	Outer Cone	2
3	16306	Seal	2
4	16308	Dust Cap	2
5	16307	Wheel Bolt	10
6	16724	Hub w/Cups	2
7	10083	Inner Cup	2
8	16304	Outer Cup	2
9	16364	Self Tapping Grease Zerk	2
10	16358	3/4" Castle Nut NF	2
Not Shown	11669	Cotter Pin 3/16" x 1 1/4"	2
11	16323	Rear Wheel Spindle	2

HUB ASSEMBLY (CASTER)

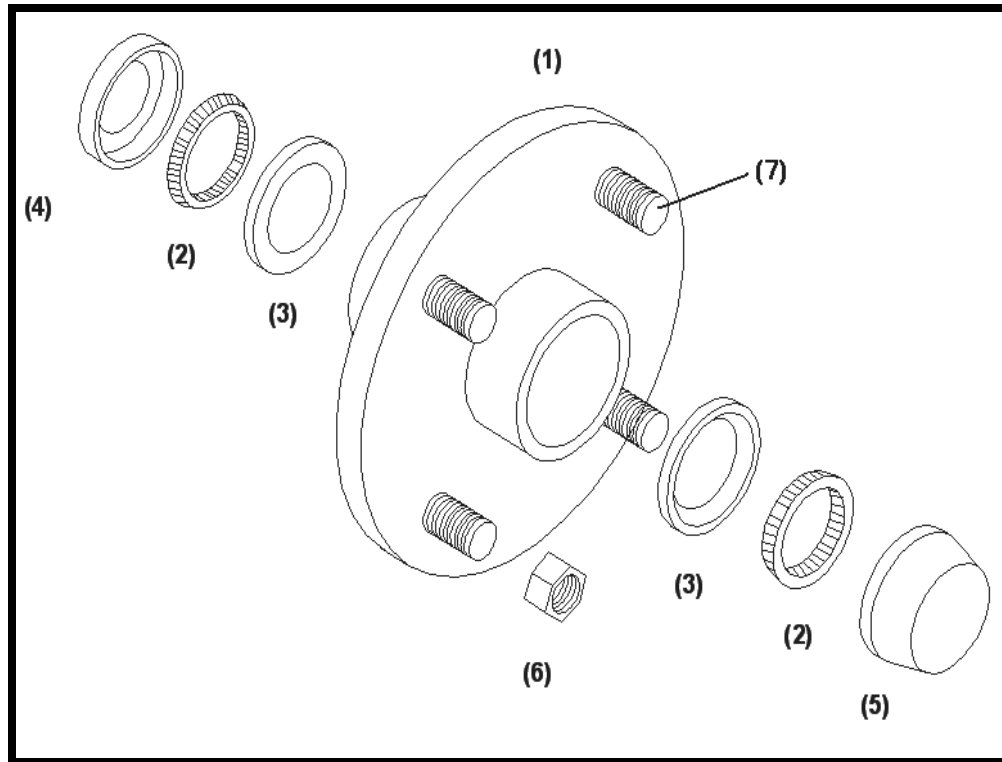


HUB ASSEMBLY (CASTER)

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
1	16295	Caster Hub Cups	4
2	16296	Caster Hub Cones	4
3	16297	Seal	4
4	16356	Wheel Nut	10
5	16364	Self Tapping Grease Zerk	2
6	16725	Caster Wheel w/Cups and Studs	2
Not Shown	16135	Caster Axle	2
Not Shown	16299	1 1/4" NF Castle Nut	2
Not Shown	10580	1/4" x 2" Cotter Pin	2

HUB ASSEMBLY (RAKE WHEEL ARM)

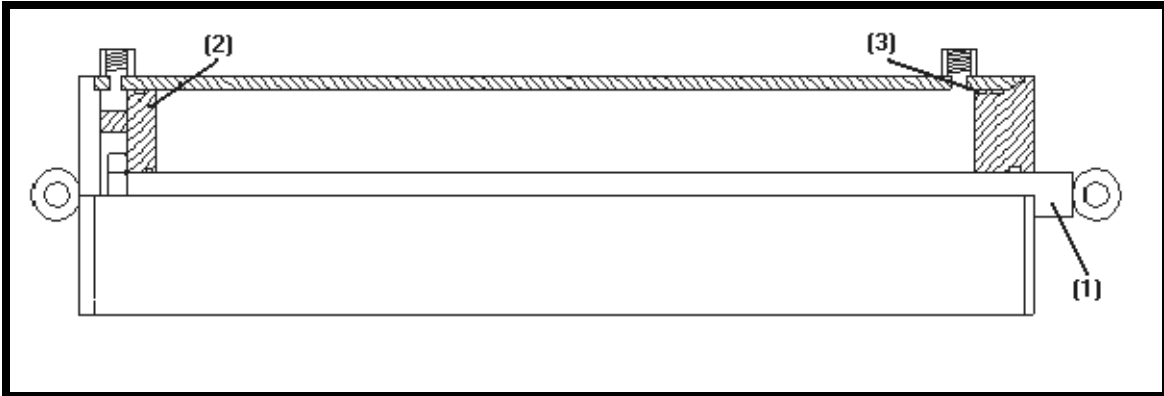


HUB ASSEMBLY (RAKE WHEEL ARM)

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
1	16413	Hub with Studs and Races	2
2	16082	Inner/Outer Bearing	24
3	16081	Inner/Outer Bearing Cup	24
4	16083	Grease Seal	12
5	16084	Dust Cap	12
6	16085	1/2" NF Wheel Nut	48
7	16391	1/2" Wheel Stud	48
Not Shown	16364	Self Tapping Grease Zerk	12
Not Shown	16086	Rake Wheel Spindle	12
Not Shown	16087	Rake Wheel Castle Nut	12
Not Shown	16088	Rake Wheel Spindle Washer	12
Not Shown	16089	1/8" x 1 3/4" cotter pin	12

HYDRAULIC CYLINDER (MAIN)

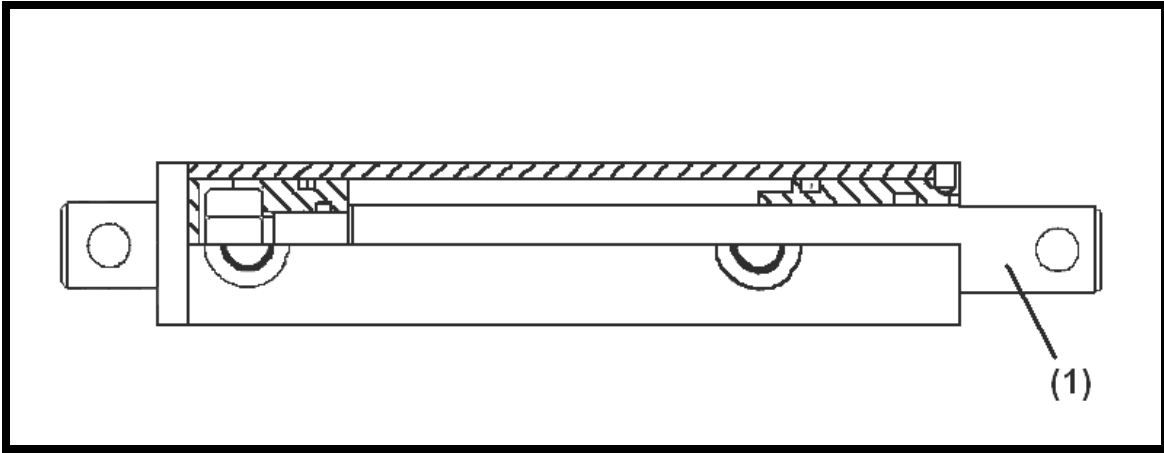


HYDRAULIC CYLINDER (MAIN)

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	16301	Hydraulic Cylinder Assembly	
1	16399	Main Cylinder Shaft	1
2	16598	Piston	1
3	16596	Gland	1
Not Shown	16396	Seal Kit	1

HYDRAULIC CYLINDER (LIFT ROD)

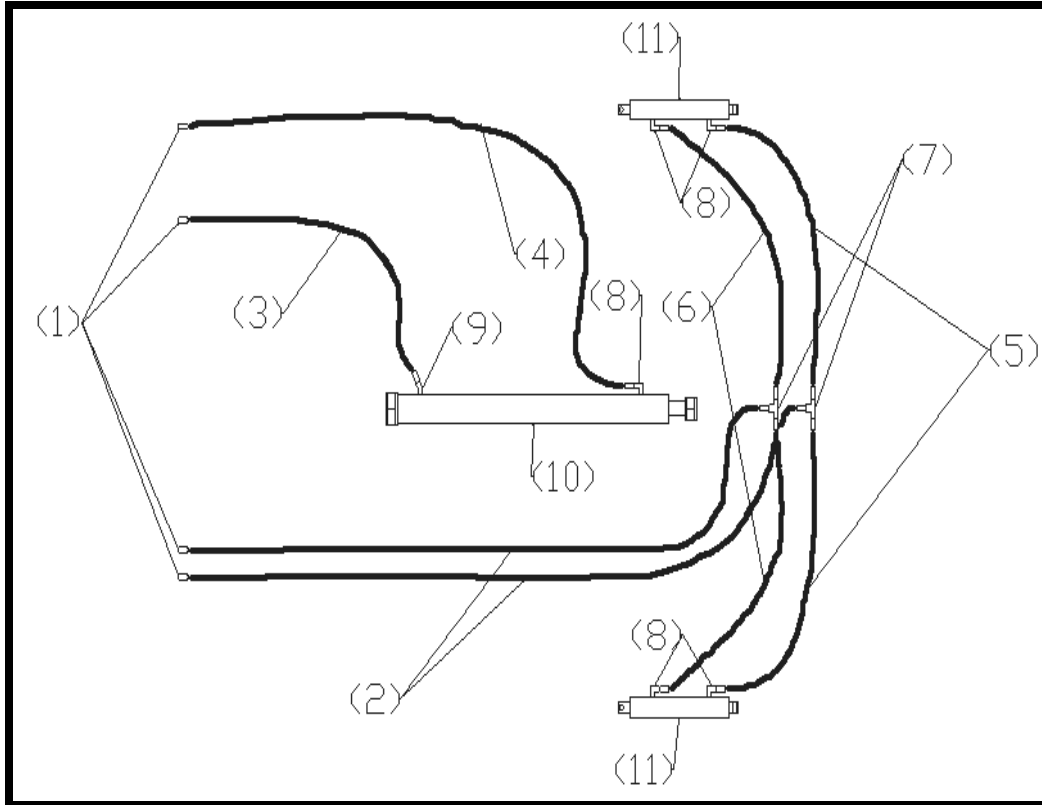


HYDRAULIC CYLINDER (LIFT ROD)

PARTS LIST

<u>Ref#</u>	<u>BMI#/HY-SPEC#</u>	<u>Description</u>	<u>Qty.</u>
1	10317 17442	Hydraulic Cylinder Assembly	1
	16746	1" Cylinder Shaft	1
Not Shown	10318 17613	Seal Kit	1

HYDRAULIC SCHEMATICS

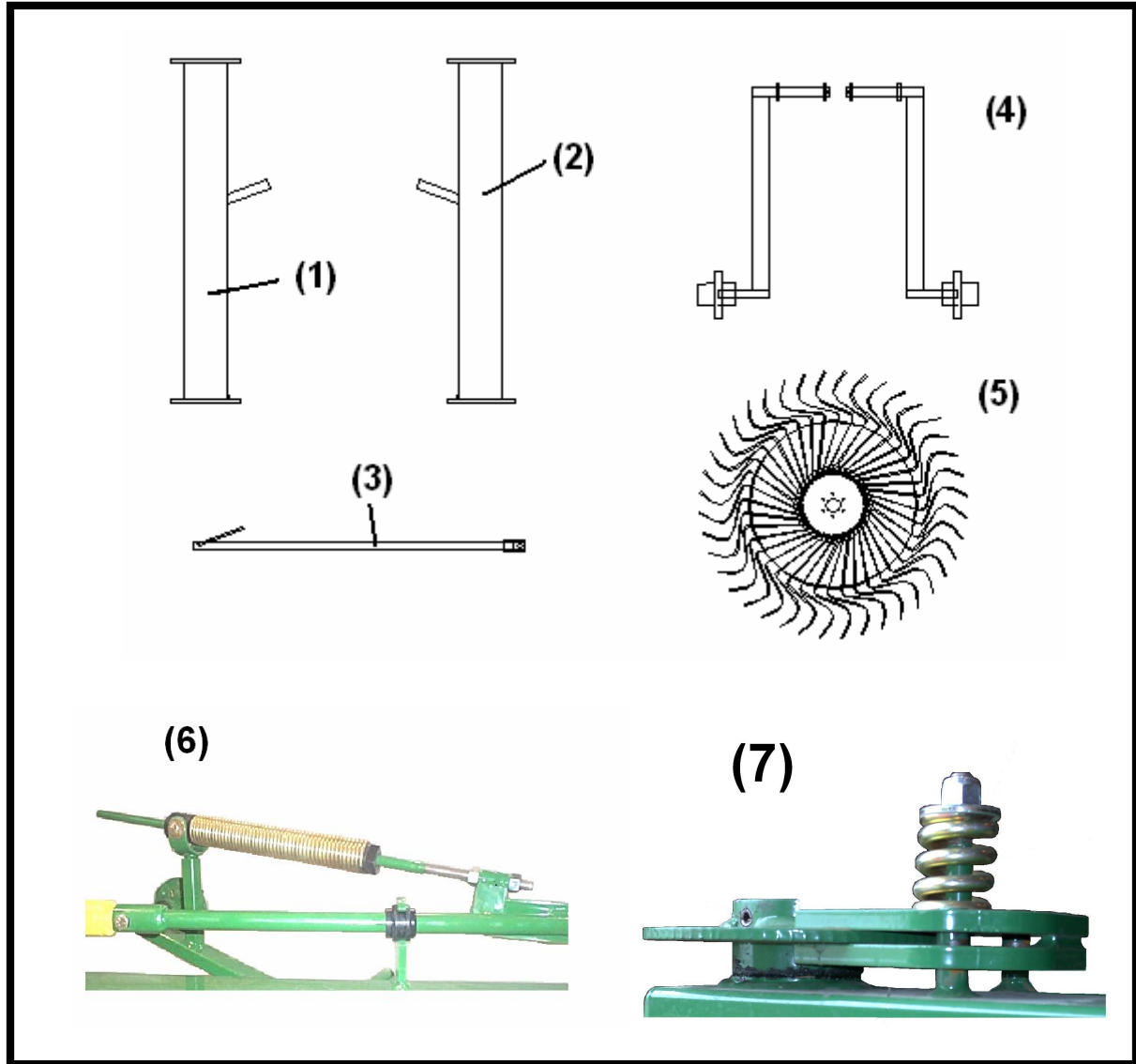


HYDRAULIC SCHEMATICS

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GREEN/YELLOW		
1	10167 17379	Pioneer Male Tips	4
2	16792	Hose 359" OAL 8MP - 6FJX	2
3	16787	Hose 273" OAL 8MP - 6FJX	1
4	16790	Hose 303" OAL 8MP - 6FJX	1
5	16552	Hose 84" OAL 8MP - 6FJX	2
6	16553	Hose 93" OAL 8MP - 6FJX	2
7	10163	Fitting - 6MJ - 6MJ Tee	2
8	10201	Fitting - 6MB - 6MJ90	5
9	16386	Orifice Fitting - 6MB - 6MJ90 [.0625]	1
10	16301	2 1/2 x 30" Cylinder	1
11	10317 17442	1 1/2 x 8 Cylinder	2

10 WHEEL EXTENSION PARTS



10 WHEEL EXTENSION PARTS

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>QTY</u>
	<u>GRE</u>	<u>YEL</u>	
	16023	10 Wheel Extension Kit	
1	16534 18099	Left Frame Extension	1
2	16535 18100	Right Frame Extension	1
Not Shown	14467	5/8" x 1 3/4" NC Bolt	12
Not Shown	11614	5/8" NC Serrated Flange Nut	12
3	16113 18108	Extension Lift Rod	2
Not Shown	13805	1/2" x 2 1/4" NC Bolt	2
Not Shown	14443	1/2" NC Locknut	2
Not Shown	16099	Lift Rod Bushing	2
4	16115	Rake Wheel Arm Assembly (Page 15)	2
5		Rake Wheel Assembly (Page 14)	2
6		Rake Wheel Spring Assembly (Page 12)	2
7		Caster Brake Assembly (Page 11)	2