

PARTS MANUAL
VR 1214
BALE KING V-RAKE
GREEN AND YELLOW
NUMBERS



BRIDGEVIEW

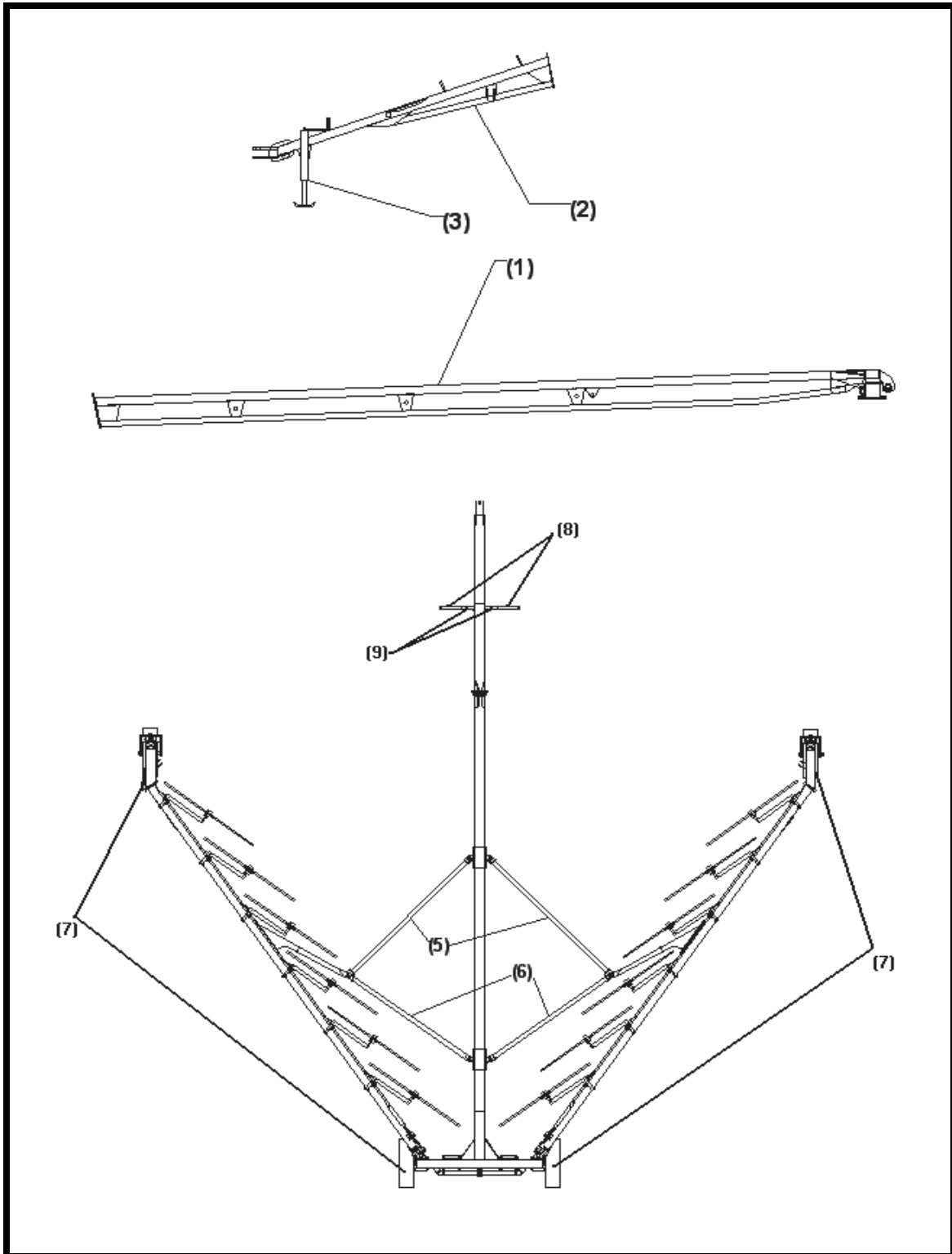
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MAIN FRAME, WHEELS, SCISSOR ARMS AND TRANSPORT LINKS

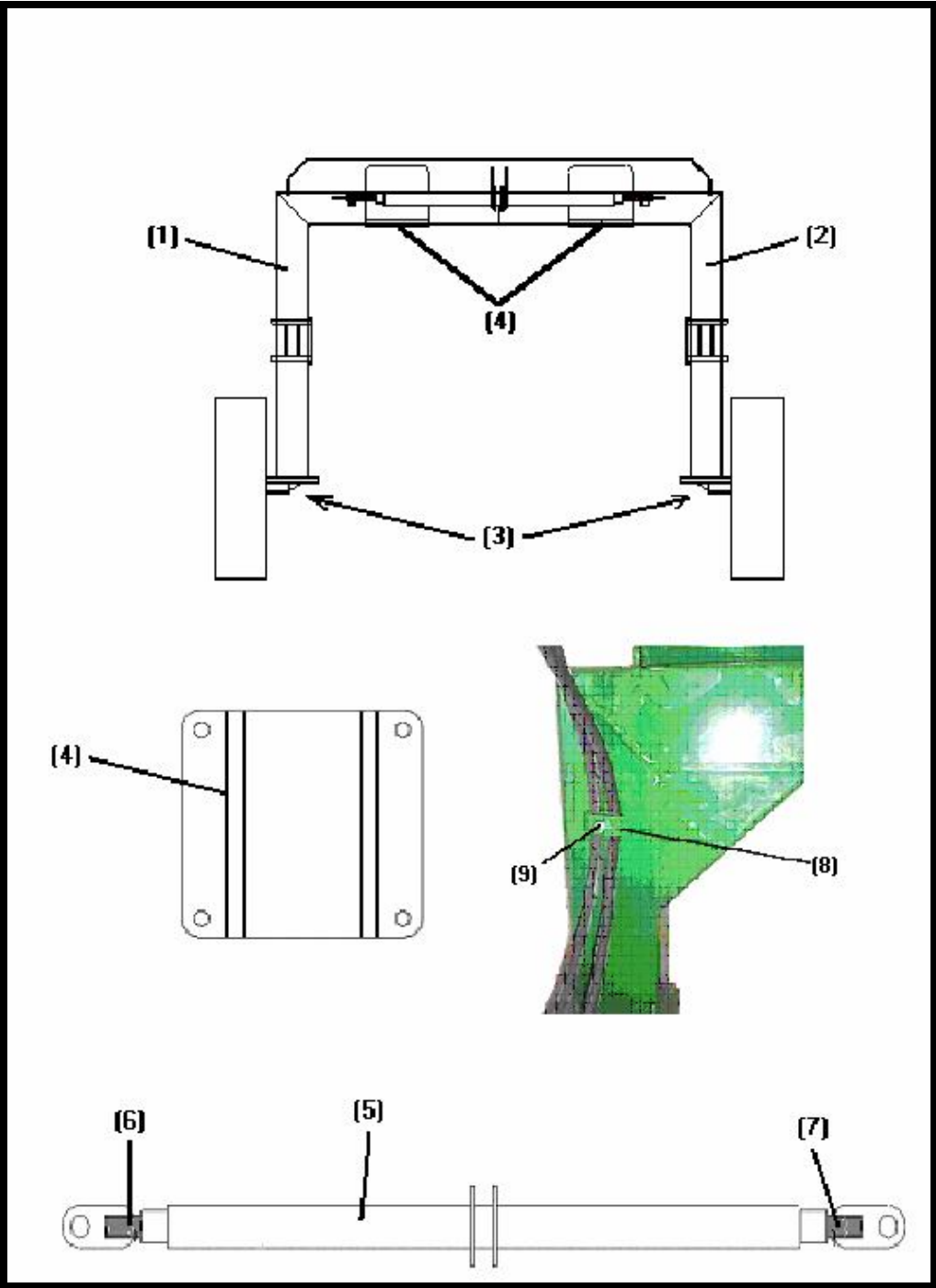


MAIN FRAME, WHEELS, SCISSOR ARMS AND TRANSPORT LINKS

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>		<u>Description</u>	<u>Qty.</u>
	<u>Green</u>	<u>Yellow</u>		
1	16103	18085	Main Hitch Beam	1
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	16123	18117	Front Scissor Arm	2
6	16124	18118	Rear Scissor Arm	2
7	16077		Wheel Assembly	4
Not Shown	16078		Tire	4
Not Shown	16079		Rim, Yellow	4
Not Shown	16333		VR1214 Decal kit	1
Not Shown	16424		Decal – Bale King	2
Not Shown	16425		Decal – VR1214	2
Not Shown	16426		Front Left Decal - /////	1
Not Shown	16427		Front Right Decal - \\\\\\\	1
Not Shown	16428		Rear Left Decal - \\\\\\\	1
Not Shown	16429		Rear Right Decal - /////	1
8	16528	18083	Transport Link Slide	2
9	16530	18084	Transport Link Sleeve	2
Not Shown	16339		Transport Link Pins (w/ hairpins)	6
Not Shown	16526		Transport Link Mount (Serial# VR2539 and below)	1
Not Shown	16531		Transport Link Mount U-bolt	2
Not Shown	10271		3/8" NC Serrated Flange Nut	4

REAR FRAME ASSEMBLY

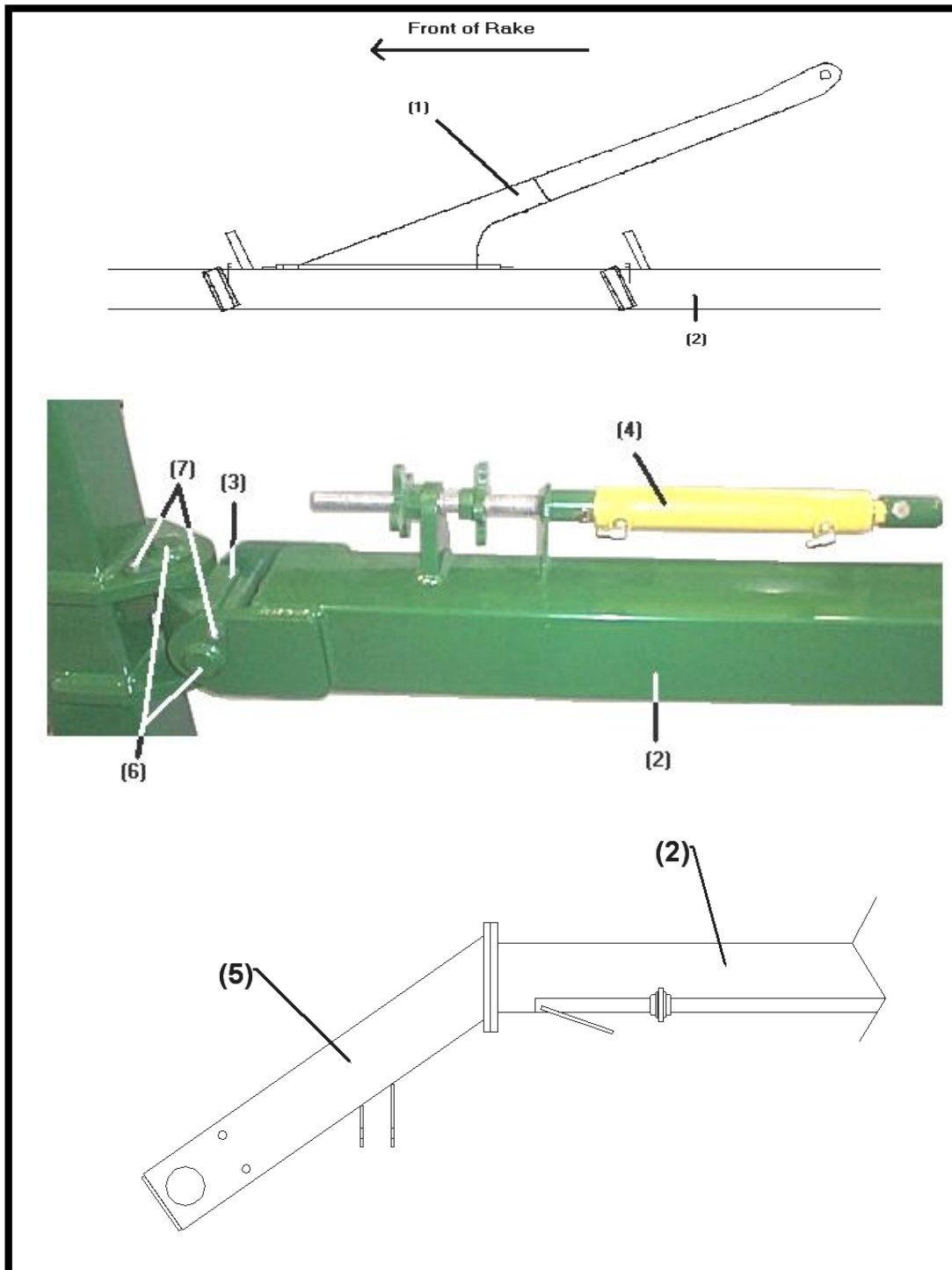


REAR FRAME ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	<u>Green Yellow</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

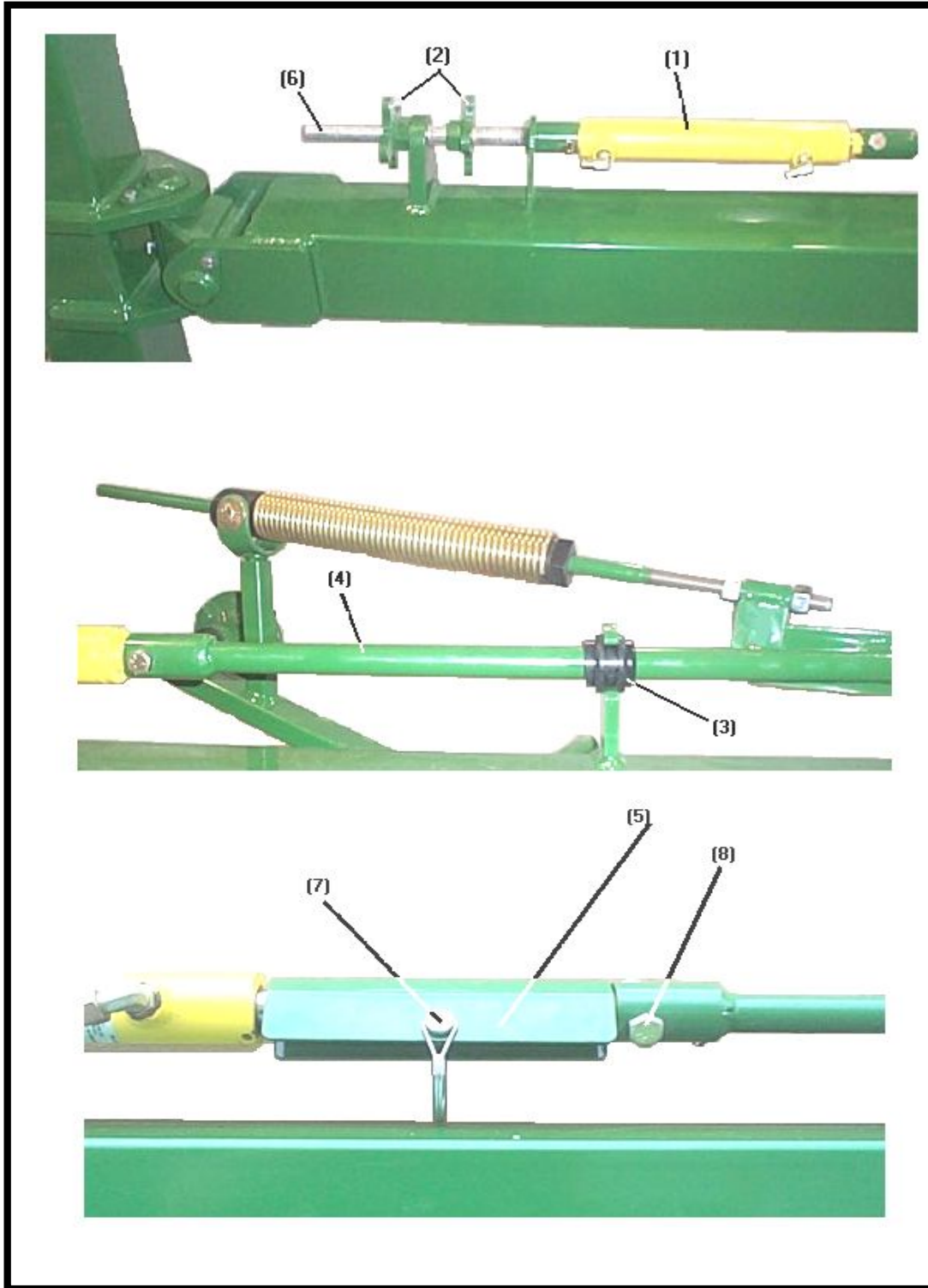


RAKE ARM ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GREEN /yellow		
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	16106	Left Rake Arm (Serial# VR2569 and below)	1
	16538 18095	Left Rake Arm (Serial# VR2570 and above)	1
	16107	Right Rake Arm (Serial# VR2569 and below)	1
	16539 18096	Right Rake Arm (Serial# VR2570 and above)	1
3	16130 18092	Knuckle (Left)	1
	16661 18093	Knuckle (Right)	1
4		Lift Rod Assembly (Page 8)	2
5	16110 18101	Left Front castor Support	1
	16111 18102	Right Front castor Support	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

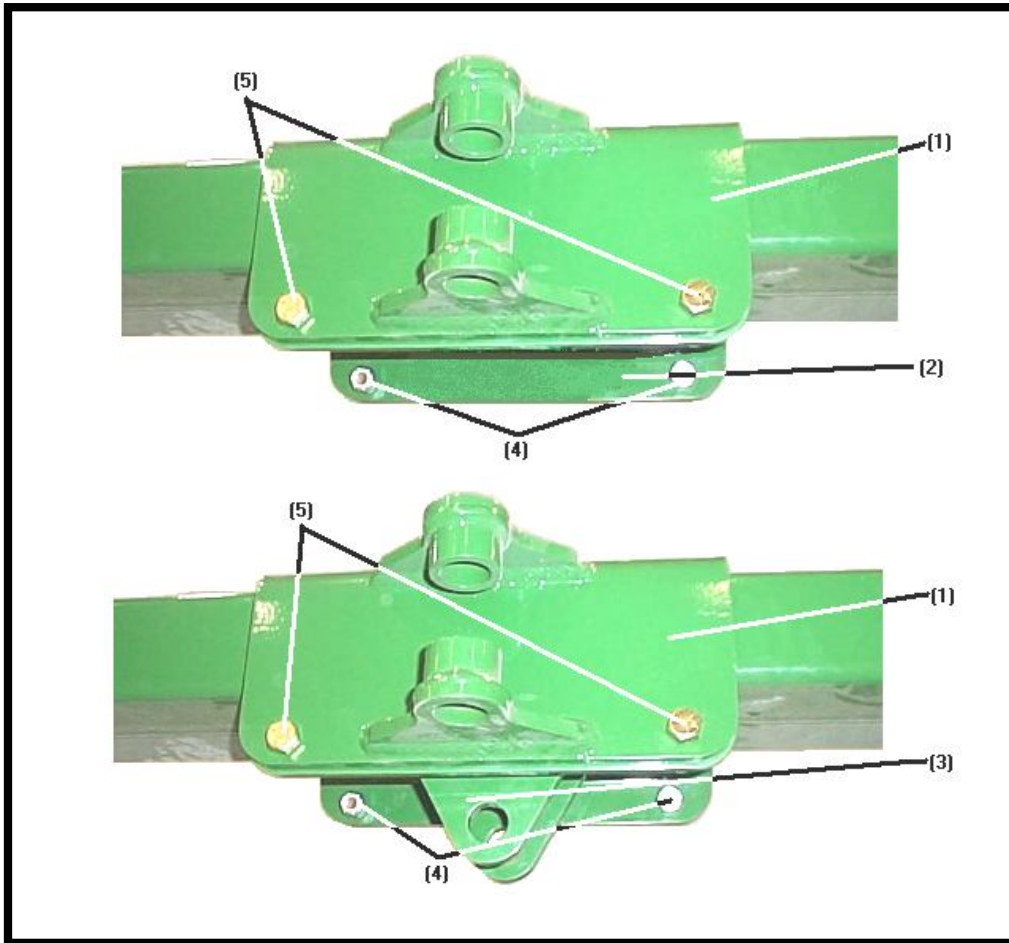


LIFT ROD ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	<u>GREEN</u>	<u>YELLOW</u>	
1	10317 17442	Hydraulic Cylinder-Lift Rod (Page 23)	2
2	16133 12946	Adjuster Nut	4
3	16099	Lift Rod Bushing	12
4	16112 18106	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)

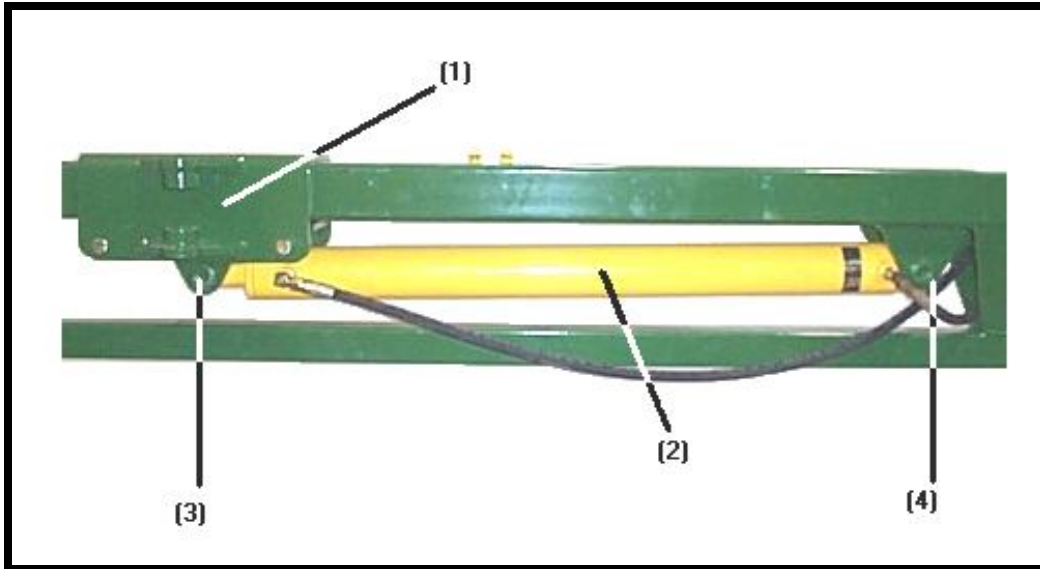


FRAME SLIDES (FRONT AND REAR)

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>		<u>Description</u>	<u>Qty.</u>
	<u>GRE</u>	<u>YELL</u>		
1	16116	18121	Slide Top Plate	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

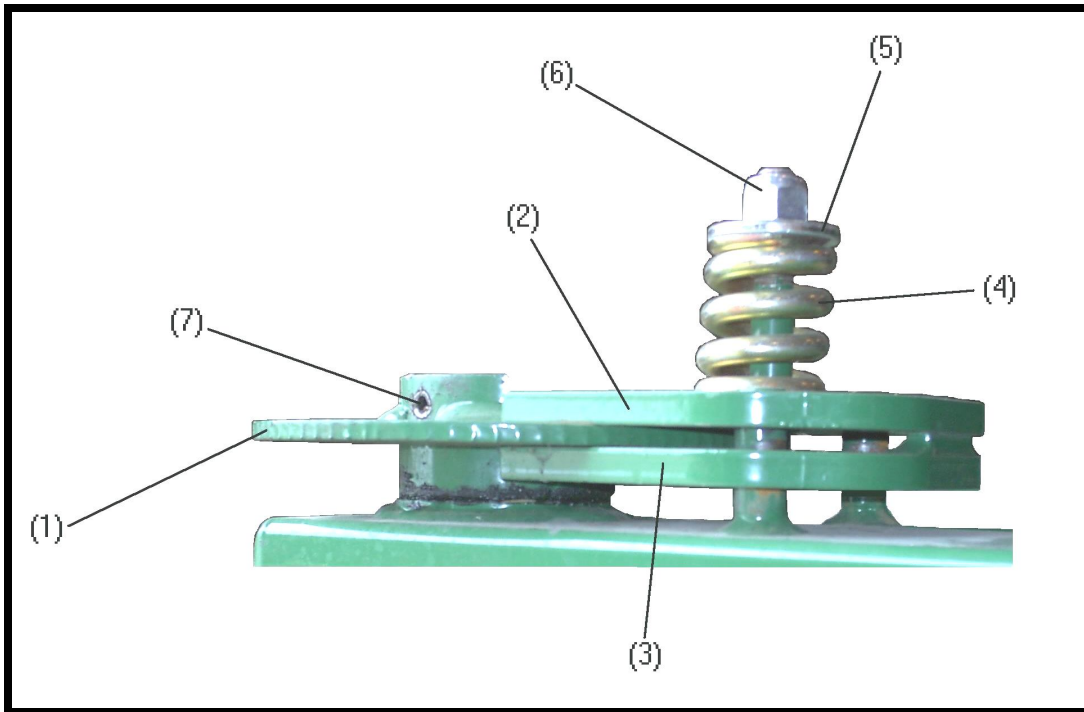


REAR SLIDE ASSEMBLY

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

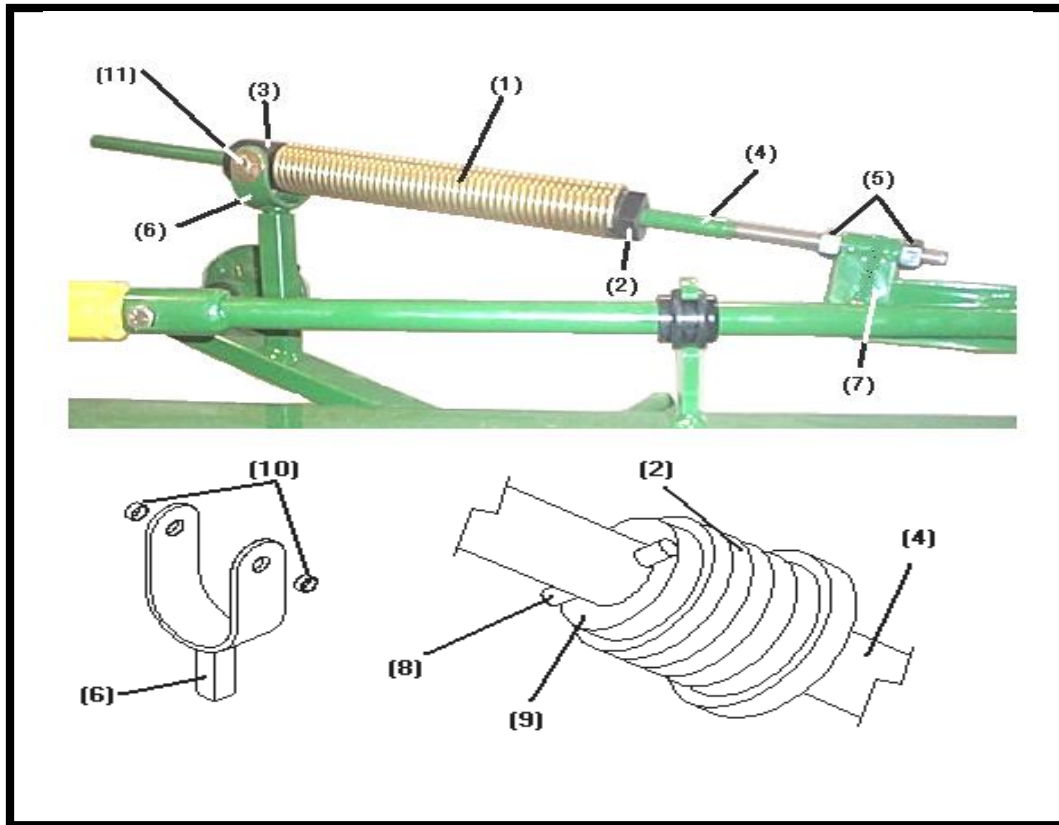


CASTER BRAKE ASSEMBLY

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

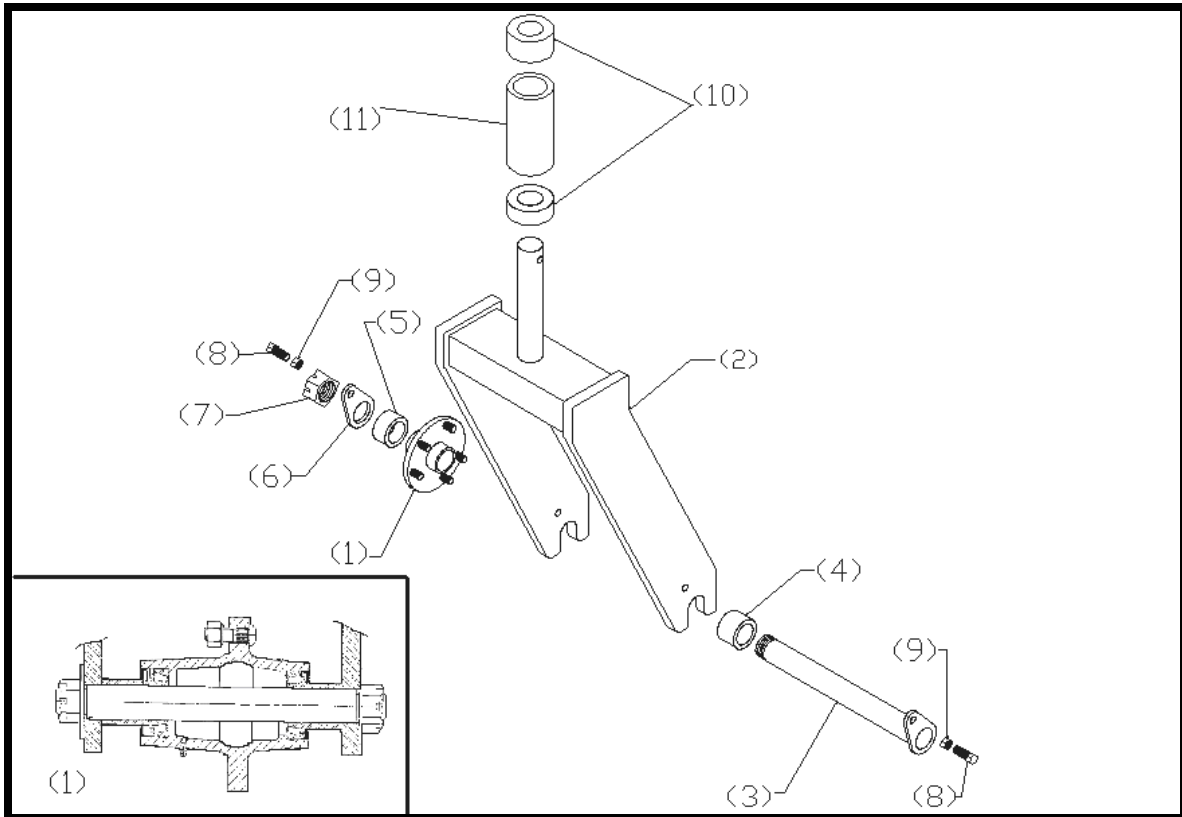
RAKE WHEEL SPRING ASSEMBLY



RAKE WHEEL SPRING ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GRE YELL		
1	16095	Spring	12
2	16100	Pull Spring Retainer Guide	12
3	16101	Pull Spring Guide Pivot	12
4	16493	Spring Rod	12
5	10176	5/8" NC Nut	24
6	16494 18533	Spring Yoke	12
7	16495 17397	Spring Assembly Clevis	12
8	10302	Roll Pin 3/8" x 1 1/4"	24
9	16652	Spring Slide Rod Washer	24
10	16290	Spring Pivot Bushing	24
11	14460	1/2" x 1" NC Bolt	24
Not Shown	14638	1/2" x 1 3/4" NC Bolt	12
Not Shown	14443	1/2" NC Locknut	12

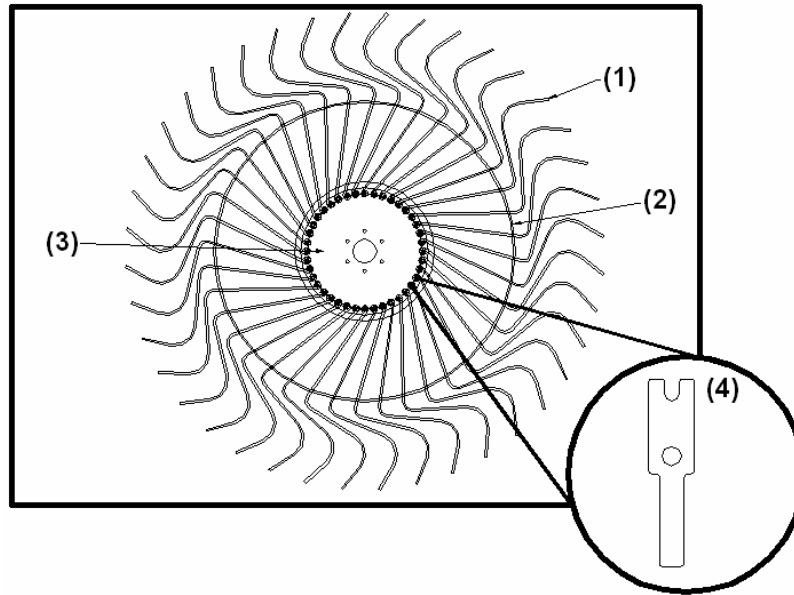


CASTER ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
1	GRE YELL	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

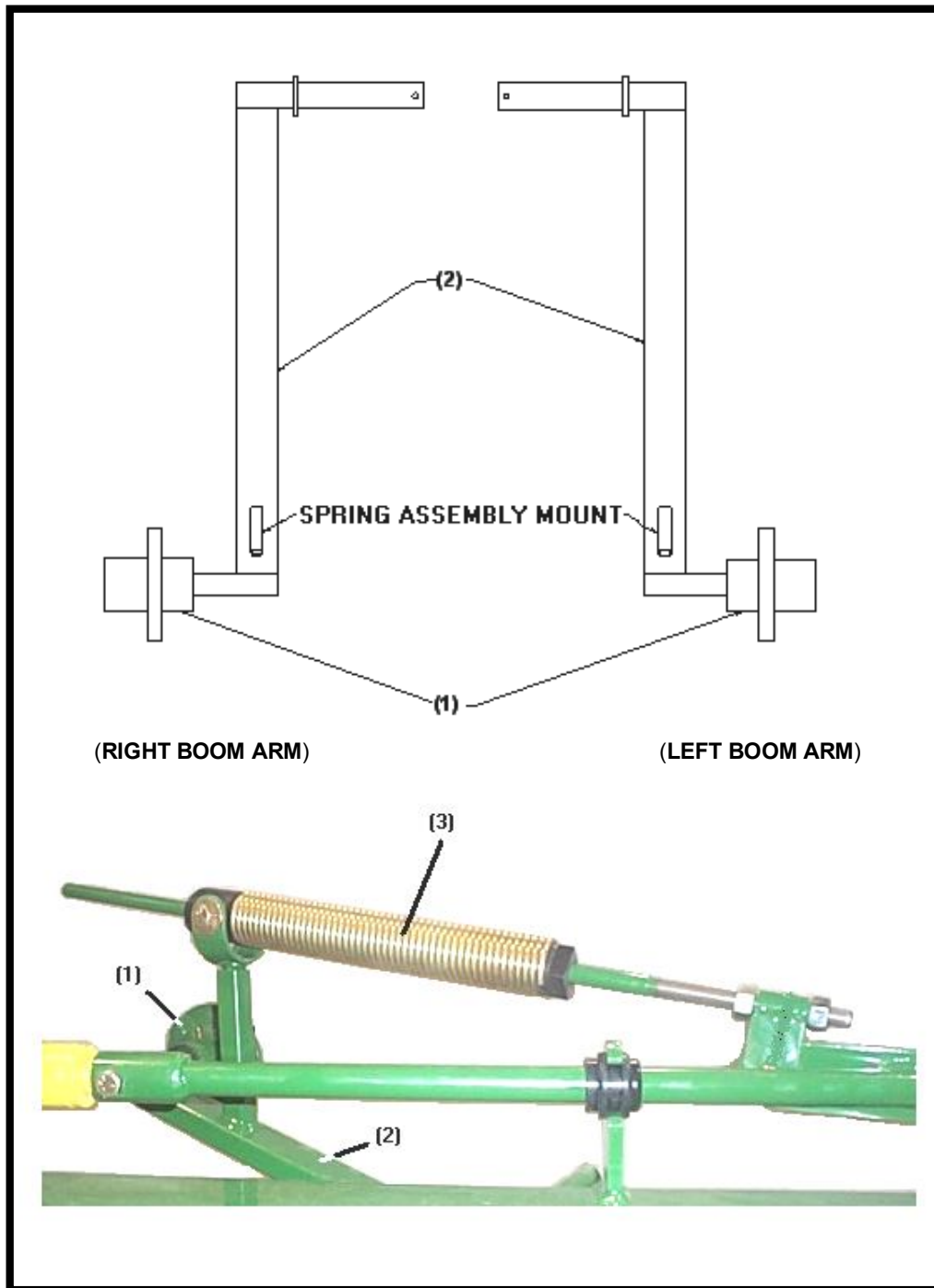


RAKE WHEEL ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u> <u>GRE YELL</u>	<u>Description</u>	<u>Qty.</u>
	16173	Left Rake Wheel (Serial # VR2569 and below)	6
	16766 17861	Left Rake Wheel (Serial # VR2570 and above)	6
	16174	Right Rake Wheel (Serial #VR2569 and below)	6
	16767 17862	Right Rake Wheel (Serial #VR2570 and above)	6
1	16092	Tines	480
2	16222	Outer Ring (Serial # VR2569 and below)	12
	16788 YEL	Outer Ring (Serial # VR2570 and above)	12
3	16498	Center Disk (Serial # VR2569 and below)	12
	16789 17863	Center Disk (Serial # VR2570 and above)	12
Not Shown	13802	3/8" NC Locknut	480
Not Shown	16388	3/8" x 1 1/4" NC Carriage Bolt (Serial # VR 2569 and below)	480
Not Shown		3/8" x (Serial # VR 2570 and above)	480
4	16499	Tooth clip (Serial # VR 2569 and below)	480

RAKE WHEEL ARM ASSEMBLY

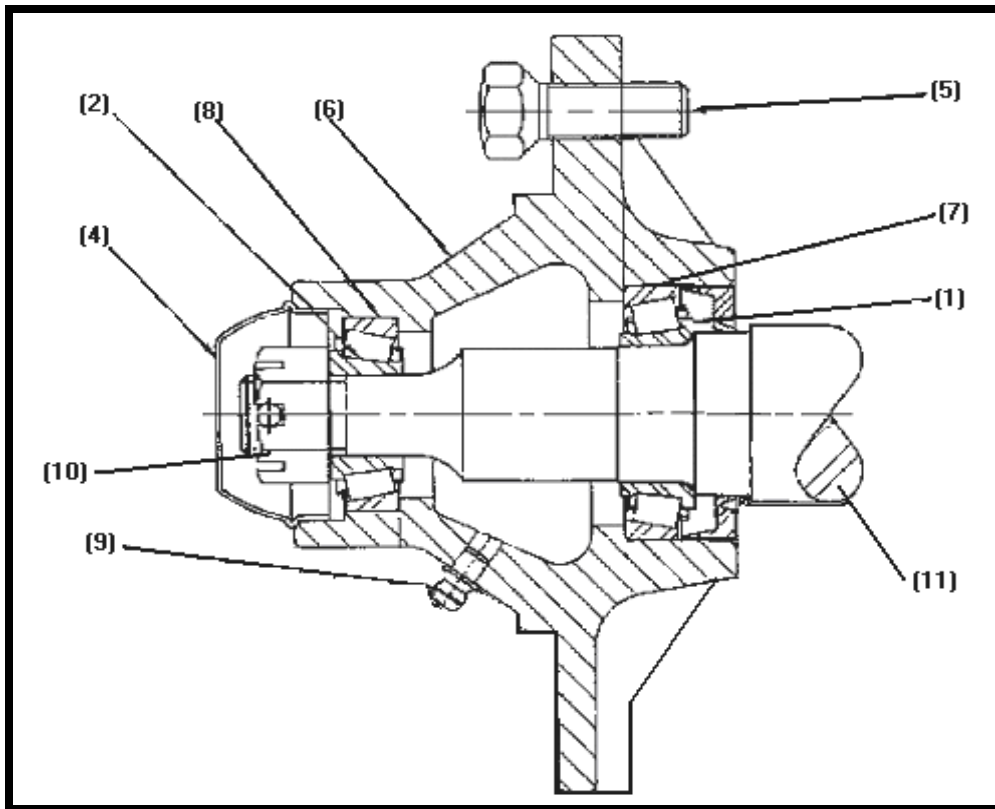


RAKE WHEEL ARM ASSEMBLY

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>			<u>Description</u>	<u>Qty.</u>
<u>GRE</u>	<u>OLD</u>	<u>YELL</u>			
1				Rake Wheel Arm Hub Assembly (Page 21)	12
2	18111	16125	18112	Left Rake Wheel Arm	6
	18113	16126	18114	Right Rake Wheel Arm	6
3		OLD		Rake Wheel Spring Assembly (Page 16)	12
Not Shown	16651			Rake Wheel Arm Washer	12
Not Shown	15872			1/4" x 2" Roll Pin	12

HUB ASSEMBLY (REAR FRAME)

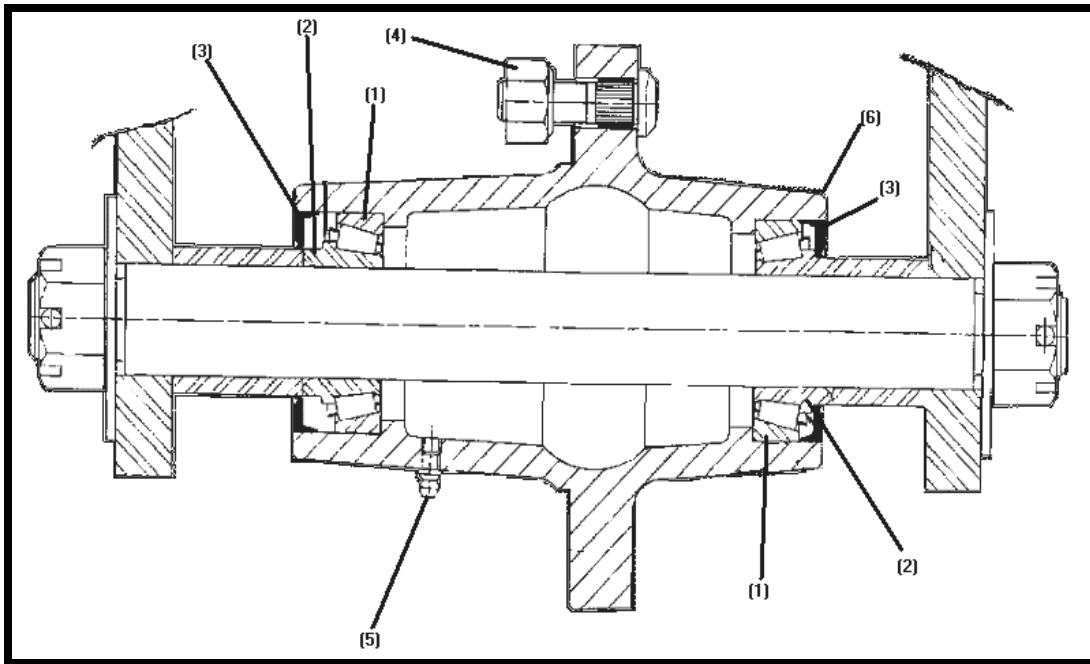


HUB ASSEMBLY (REAR FRAME)

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)

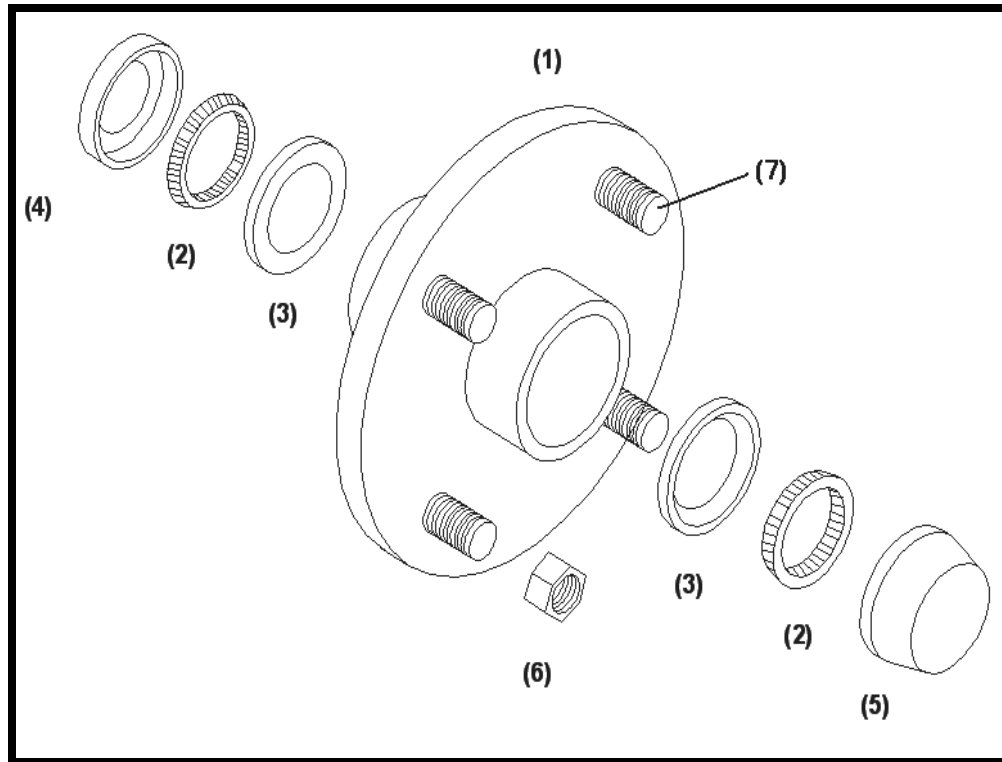


HUB ASSEMBLY (CASTER)

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)

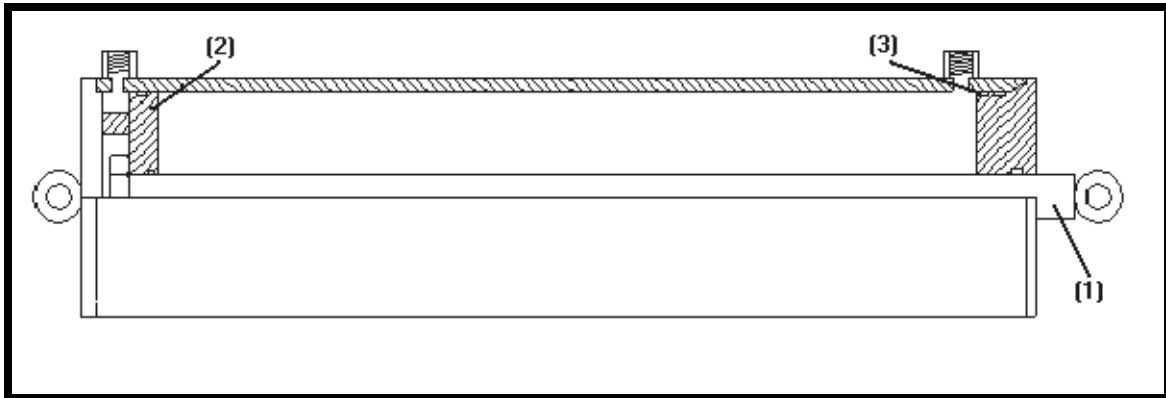


HUB ASSEMBLY (RAKE WHEEL ARM)

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)

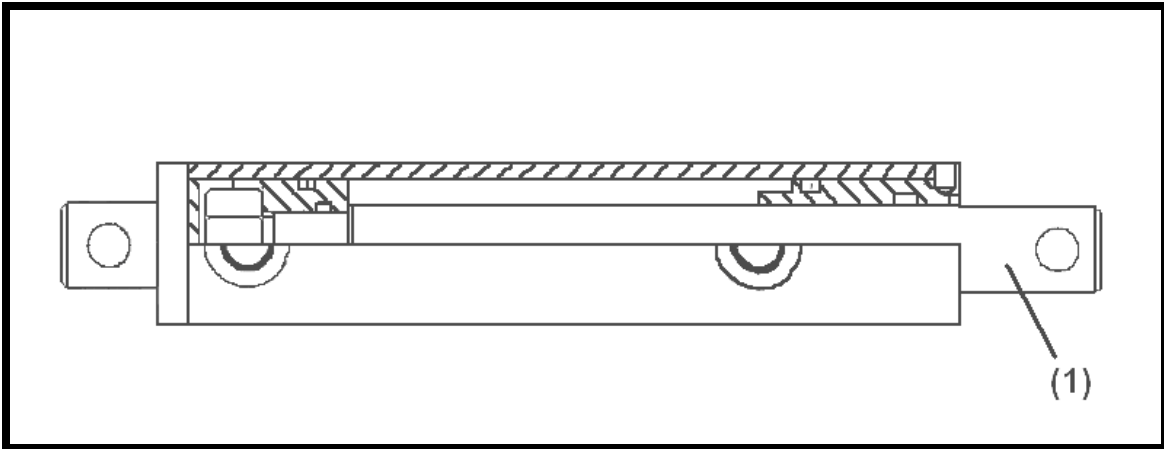


HYDRAULIC CYLINDER (MAIN)

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)

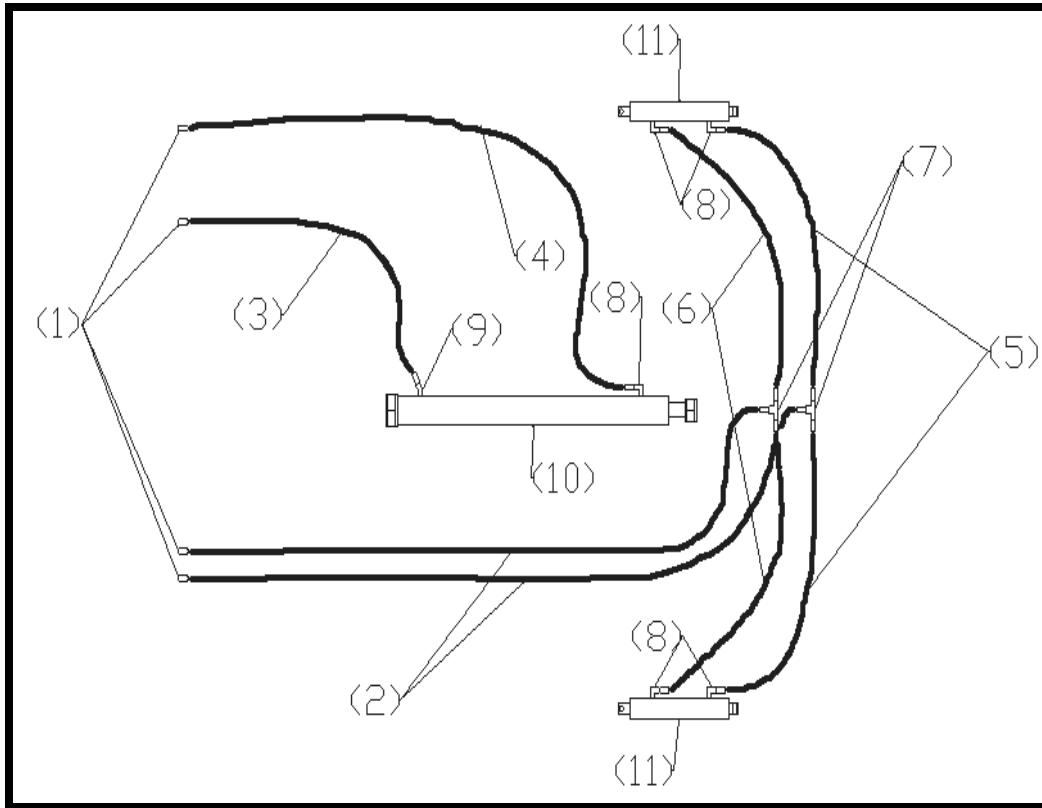


HYDRAULIC CYLINDER (LIFT ROD)

PARTS LIST

<u>Ref#</u>	<u>BMI#/HYSPEC#</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

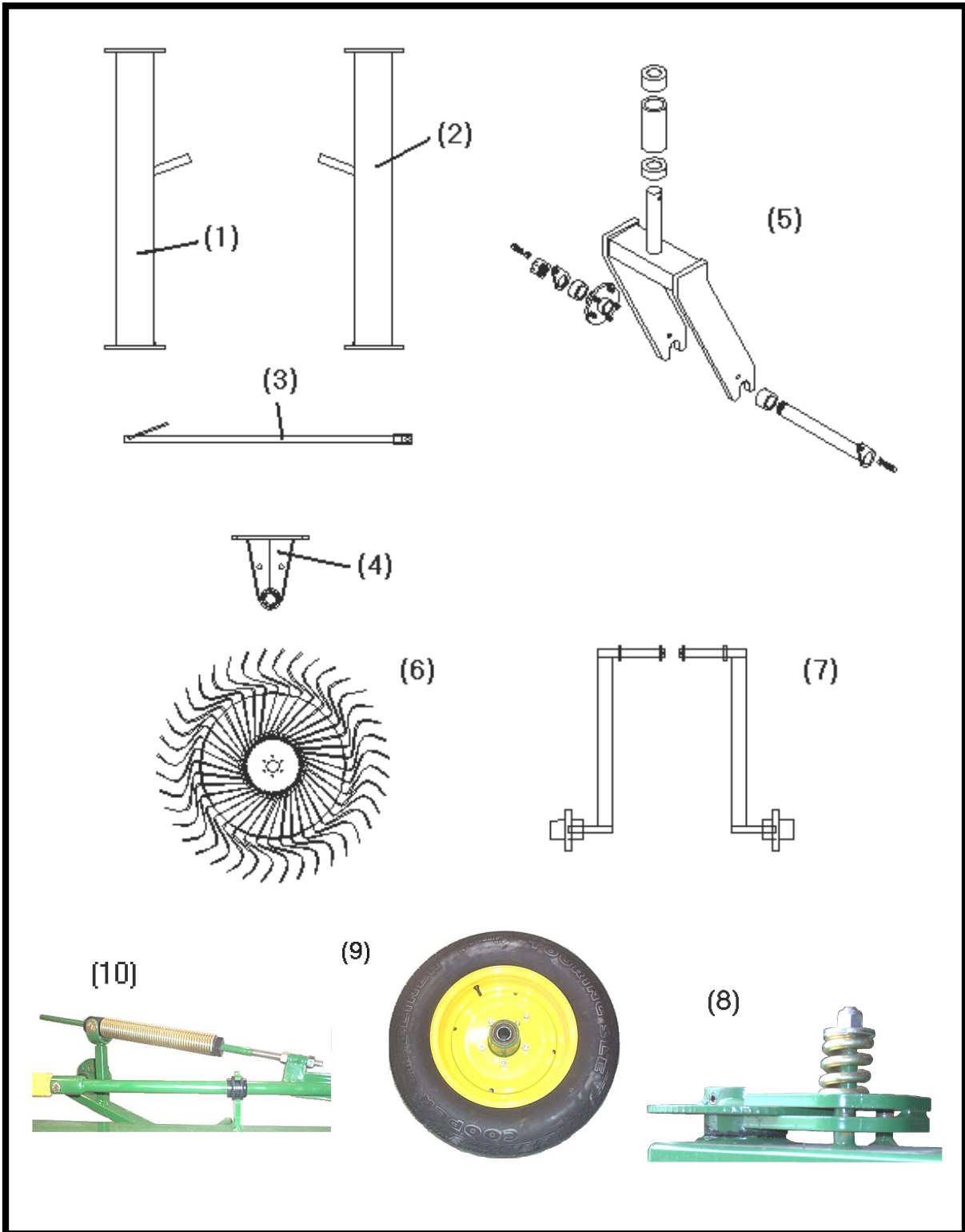


HYDRAULIC SCHEMATICS

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GREEN/YELLOW		
1	10167 17379	Pioneer Male Tips	4
2	16551	Hose 439" OAL 8MP - 6FJX	2
3	16549	Hose 353" OAL 8MP - 6FJX	1
4	16550	Hose 383" 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

14 WHEEL EXTENSION PARTS



14 WHEEL EXTENSION PARTS

PARTS LIST

<u>Ref#</u>	<u>BMI#</u>	<u>Description</u>	<u>Qty.</u>
	GRE YELL		
	16027 17847	14 Wheel Extension Kit	
1	16108	Left Frame Extension (Serial# VR2569 and below)	1
	16534 18099	Left Frame Extension (Serial# VR2570 and above)	1
2	16109	Right Frame Extension (Serial# VR2569 and below)	1
	16535 18100	Right Frame Extension (Serial# VR2570 and above)	
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 21020	Clamp-On Castor Mount	2
Not Shown	16091	Caster Wheel Mount U-bolt	4
Not Shown	16076	3/4" Serrated Flange nut	8
5		Caster Assembly (Page 13)	2
6		Rake Wheel Assembly (Page 14)	2
7		Rake Wheel Arm Assembly (Page 15)	2
8		Caster Brake Assembly (Page 11)	2
9	16077	Ground Wheel Assembly	2
10		Rake Wheel Spring Assembly (Page 12)	2

