

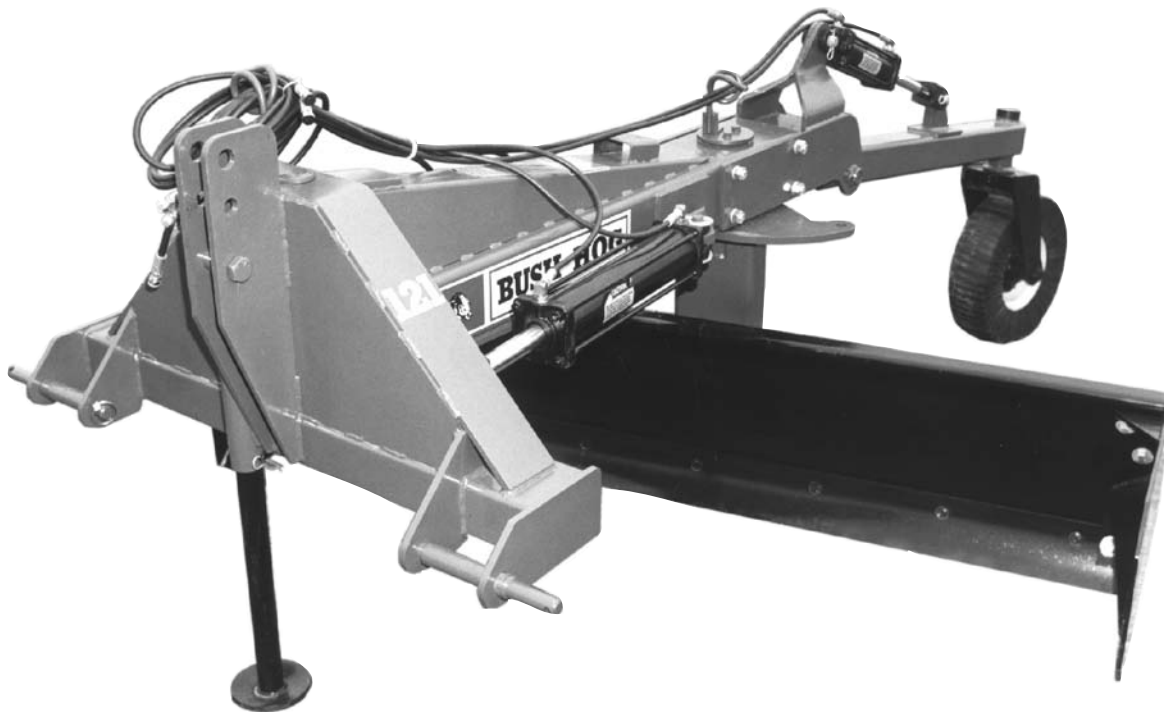
BUSH HOG®

MATERIAL HANDLING REPAIR PARTS MANUAL

MODEL: REAR MOUNTED BLADES

20 SERIES, 25 SERIES, 35 SERIES, 40 SERIES, 50 SERIES, 60 SERIES, 70 SERIES,
90 SERIES, 91 SERIES, 100 SERIES, 120 SERIES (OBSOLETE), 121 SERIES, 141 SERIES,
160 SERIES, 175 SERIES (OBSOLETE), 176 SERIES, 181 SERIES, 225 SERIES, 300 SERIES,
CRB48, CRB60, CRB72, RBC48, RBC60

SECTION: 10



BUSH HOG®

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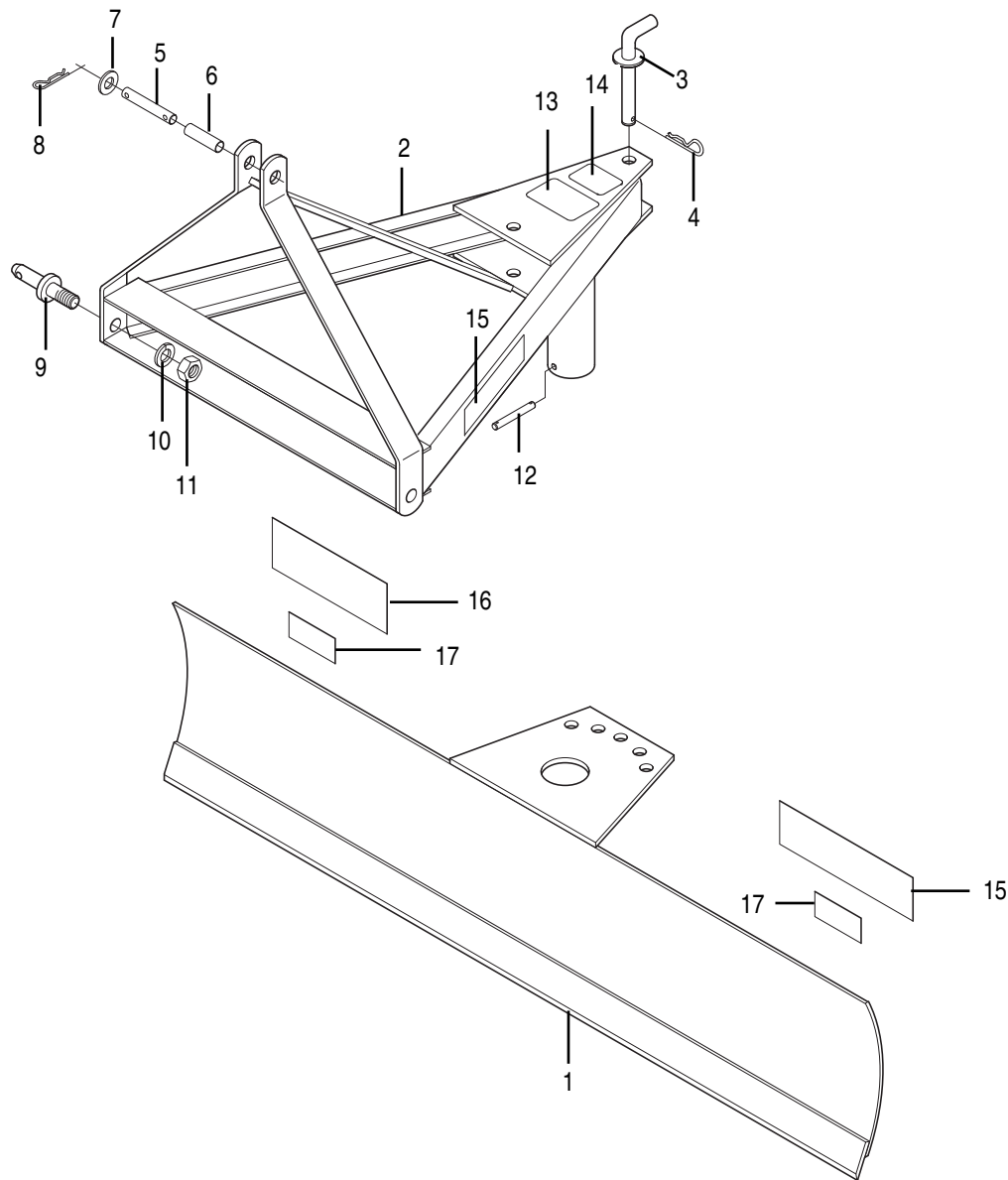
Revised 08-19

REAR MOUNTED BLADES

20 SERIES, 25 SERIES, 35 SERIES, 40 SERIES, 50 SERIES, 60 SERIES, 70 SERIES,
90 SERIES, 91 SERIES, 100 SERIES, 120 SERIES (OBSOLETE), 121 SERIES, 141 SERIES,
160 SERIES, 175 SERIES (OBSOLETE), 176 SERIES, 181 SERIES, 225 SERIES, 300 SERIES,
CRB48, CRB60, CRB72, RBC48, RBC60

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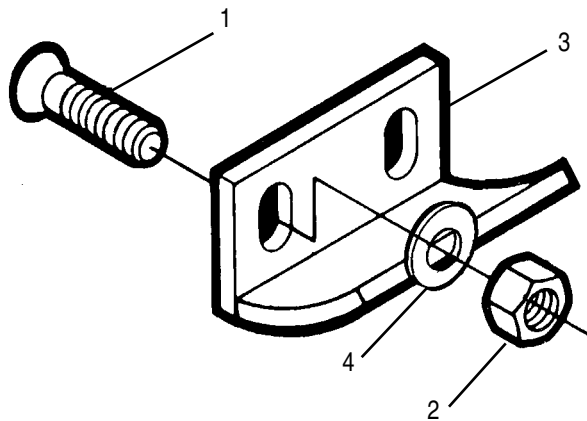
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25 SERIES REAR MOUNTED BLADE MODELS 25-04, 25-05, 25-06

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	50018646	1	Moldboard 4' w/ Decals
	50018647	1	Moldboard 5' w/ Decals
	50018648	1	Moldboard 6' w/ Decals
2	89140	1	Frame Hitch w/ Decals
3	89178	1	Index Pin
4	20558	1	Hitch Lock Pin 3/16"
5	89174	1	Pin
6	89176	1	Bushing Cat. 1
7		2	Flatwasher 5/8"
8	1273	2	Presto Pin
9	65	2	Lift Pin

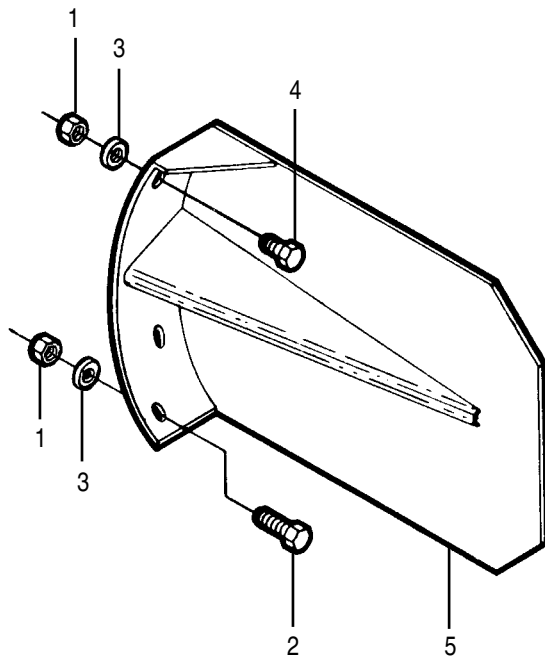
REF. NO.	PART NO.	QTY.	DESCRIPTION
10	15824	2	Lockwasher 7/8"
11	67	2	Hex Nut 7/8"
12	44446	1	Roll Pin 3/8" x 3-1/2"
13	89141	1	Caution Decal
14	89142	1	Warning Decal
15	12115	3	Bush Hog Decal
16	89430	1	Model Decal 25-04
	89431	1	Model Decal 25-05
	95937	1	Model Decal 25-06
17	50031213	2	Red Reflector



SKID SHOE ATTACHMENT

For 40, 60, & 90 Series Rear Mounted Blades

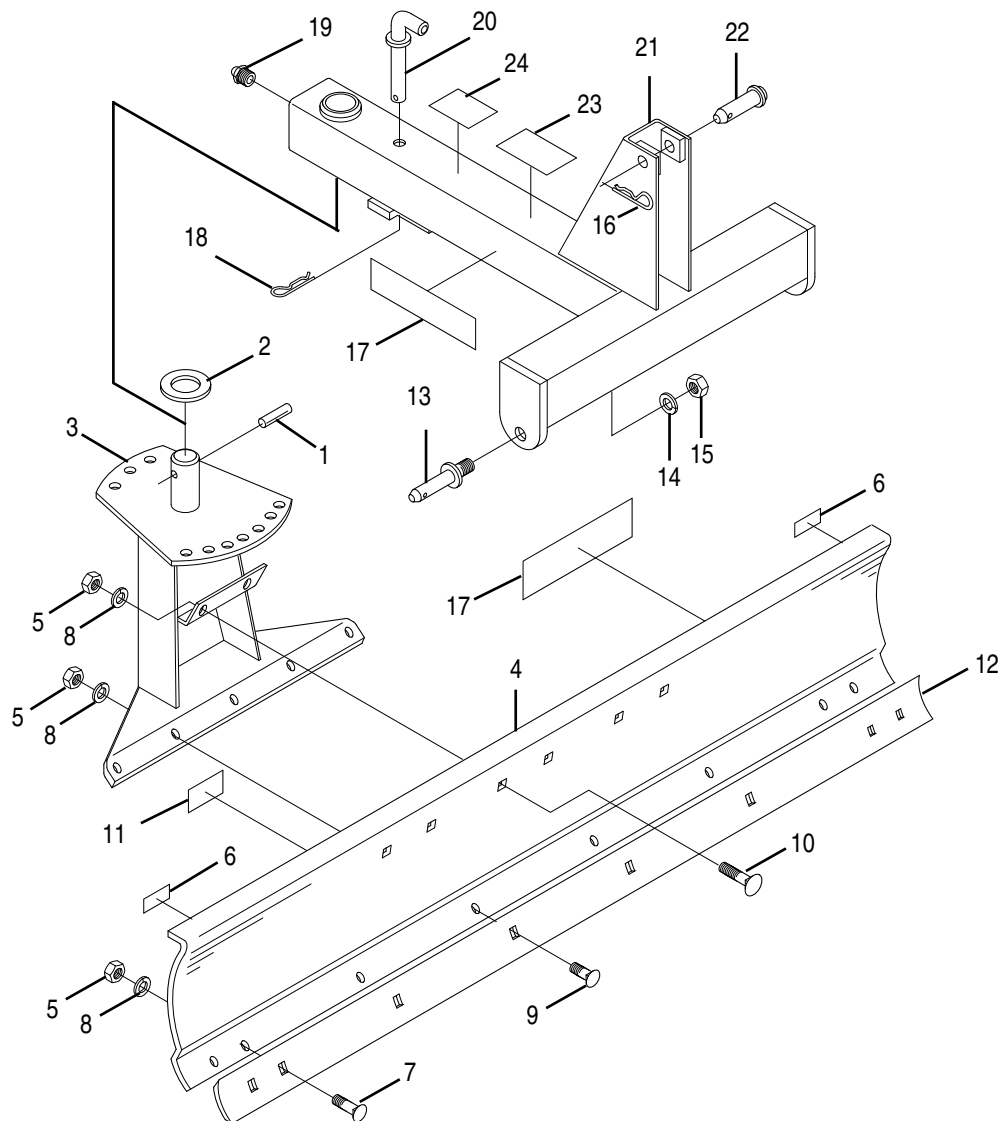
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	19478	2	Plow Bolt 5/8" x 2-1/4" Gr.5
2	09162000	2	Locknut 5/8"
3	61006	1	Skid Shoe
4	20748	2	Flatwasher 5/8"



END PLATE ATTACHMENT

For 60 & 90 Series Rear Mounted Blades

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	—	3	Hex Nut 5/8"
2	—	1	Capscrew 5/8" x 2-1/2" Gr.5
3	—	3	Lockwasher 5/8"
4	—	2	Capscrew 5/8" x 1-1/2" Gr.5
5	61585	1	L.H. End Plate (Shown)
	61587	1	R.H. End Plate

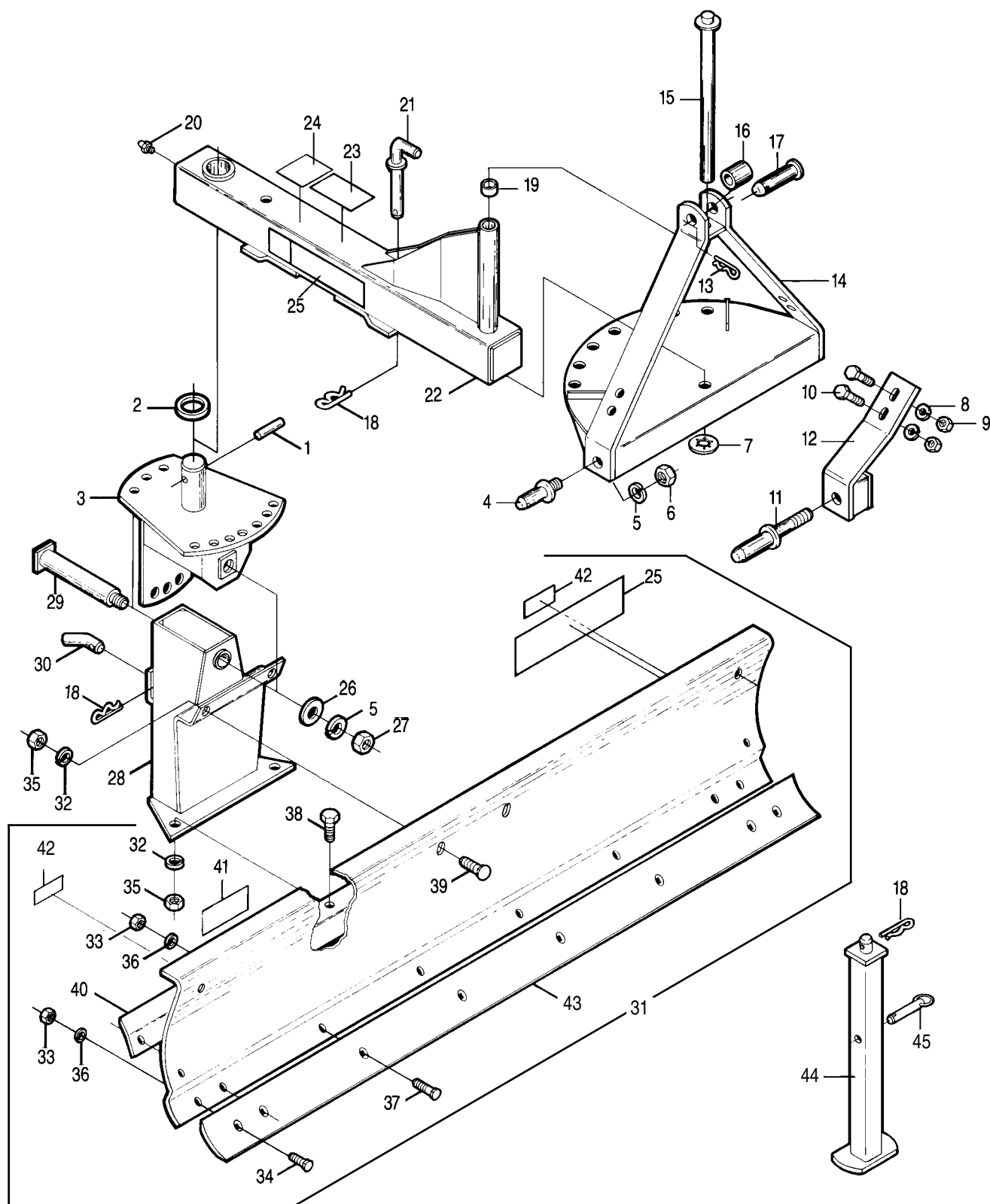


40 SERIES REAR MOUNTED BLADE MODEL 40-05, 40-06, 40-07

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	52732	1	Spirol Pin 1/2" x 3"
2	60938	1	Flatwasher
3	60945	1	5th Wheel Weldment
4	60919	1	Moldboard Assy. 5' w/ Decals
	60937	1	Moldboard Assy. 6' w/ Decals
	95930	1	Moldboard Assy. 7' w/ Decals
5	—	A/R	Hex Nut 5/8"
6	50031213	2	Red Reflector
7	15212	A/R	Plow Bolt 5/8" x 1-3/4" Gr.5
8	—	A/R	Lockwasher 5/8"
9	19478	A/R	Plow Bolt 5/8" x 2-1/4" Gr.5
10	20980	2	Carriage Bolt 5/8" x 1-1/2" Gr.5
11	89420	1	Series Decal 40-05
	89422	1	Series Decal 40-06
	95932	1	Series Decal 40-07

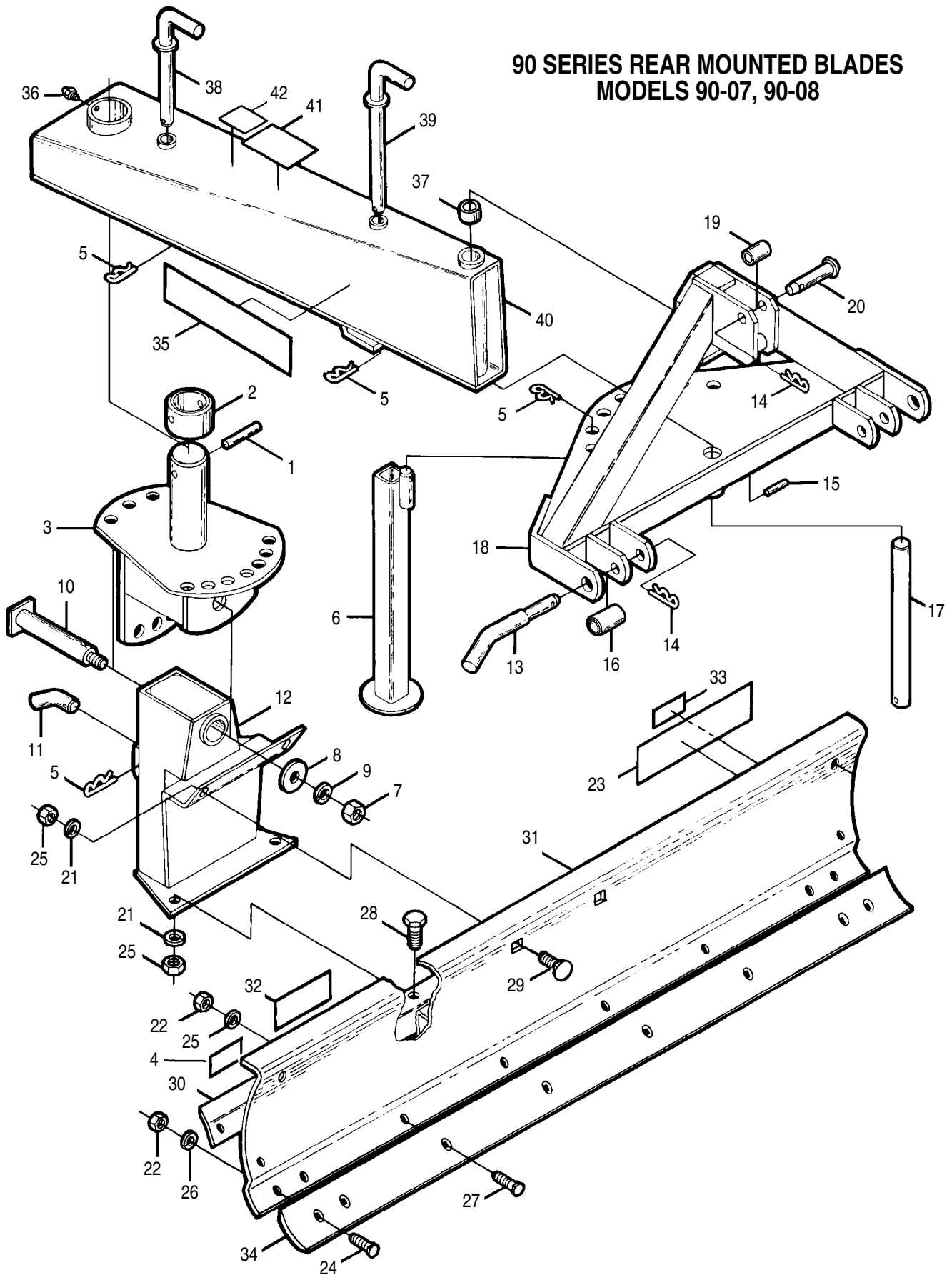
REF. NO.	PART NO.	QTY.	DESCRIPTION
12	11-1-124	1	Cutting Edge 5'
	11-1-123	1	Cutting Edge 6'
	11-2-149	1	Cutting Edge 7'
13	65	1	Lift Pin
14	—	2	Lockwasher 7/8"
15	67	2	Hex Nut 7/8" UNF
16	1273	1	Presto Pin
17	12119	3	Bush Hog Decal
18	20558	1	Presto Pin
19	53169	1	Grease Fitting
20	60929	1	Index Pin Weldment
21	89395	1	Mast w/ Decals
22	1424173	1	Top Link Pin
23	89141	1	Caution Decal
24	89142	1	Warning Decal

60 SERIES REAR MOUNTED BLADE MODELS 60-06, 60-07, 60-08



60 SERIES REAR MOUNTED BLADE MODELS 60-06, 60-07, 60-08

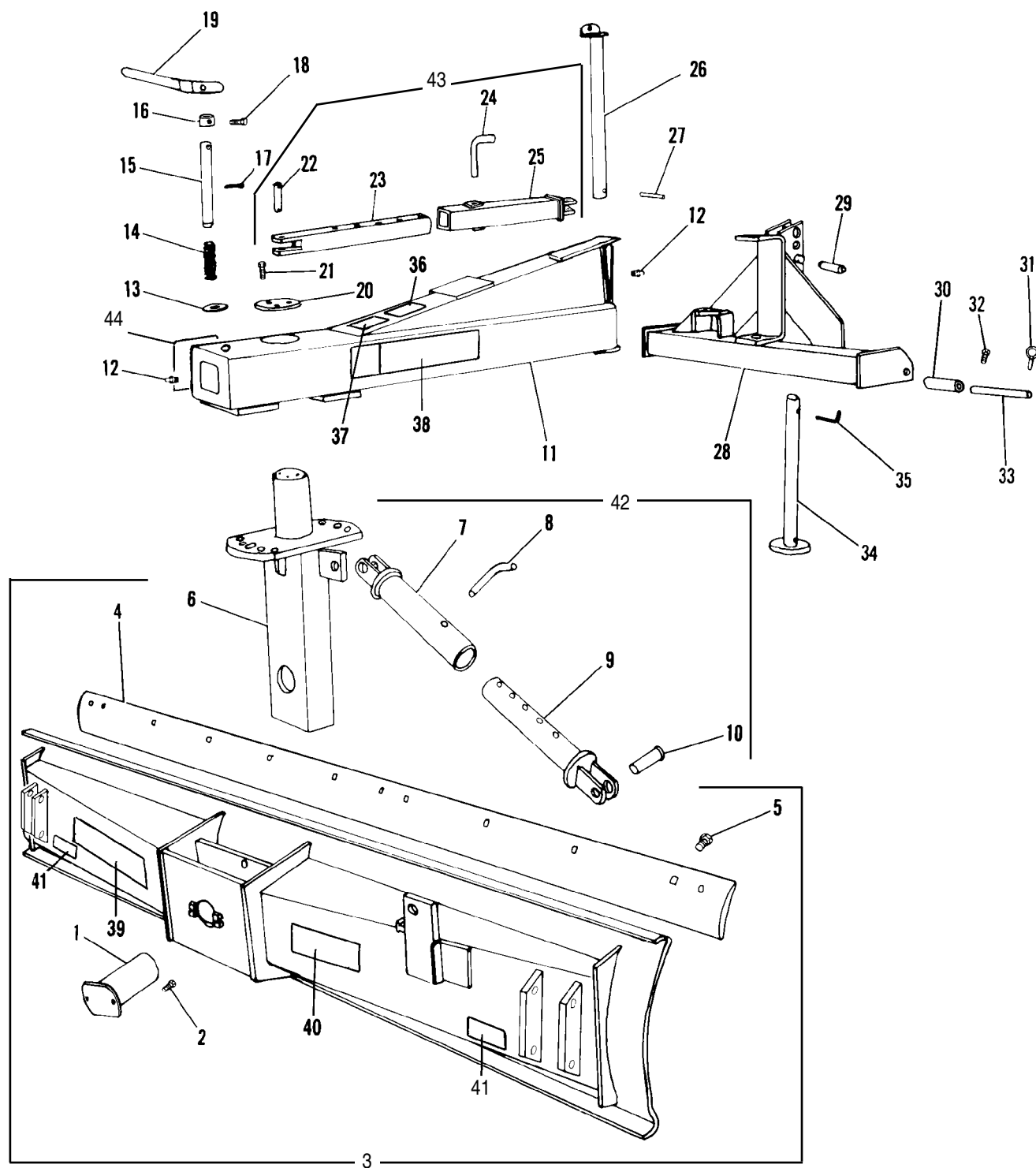
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	52732	1	Spirol Pin 1/2" x 3"
2	60938	1	Flatwasher
3	61037	1	Fifth Wheel Weld.
4	65	1	Cat. 1 Lift Pin
5	—	3	Lockwasher 7/8"
6	67	2	Hex Nut 7/8" – 14 UNF
7	62709	1	Self Locking Washer
8	—	4	Lockwasher 5/8"
9	—	4	Hex Nut 5/8" – 11 UNC
10	—	4	Capscrew 5/8" – 11 UNC x 2" Gr.5
11	62706	2	Cat. II Lift Pin
12	62708	2	Cat. II Hitch Bracket
13	15454	1	Presto Pin
14	61016	1	Mast Weldment
15	62710	1	Boom Pivot Pin
16	89303	1	Top Link Bushing
17	1424173	1	Top Link Pin
18	1273	4	Presto Pin
19	53083	2	Tension Bushing
20	53169	1	Grease Fitting
21	60929	2	Index Pin Weldment
22	89397	1	Boom Weld. w/ Decals
23	89141	1	Caution Decal
24	89142	1	Warning Decal
25	12119	2	Bush Hog Decal
26	20571	1	Flatwasher 7/8"
27	44149	1	Locknut 7/8" – 9 UNC
28	61028	1	Blade Mount Weldment
29	61032	1	Tilt Pivot Pin
30	61084	1	Index Pin
31	61050	1	Moldboard Assy. 6'
	61052	1	Moldboard Assy. 7'
	61054	1	Moldboard Assy. 8'
32	—	4	Lockwasher 3/4"
33	—	A/R	Hex Nut 5/8" – 11 UNC
34	—	A/R	Plow Bolt 5/8" x 1-3/4" Gr.5
35	—	4	Hex Nut 3/4"
36	—	A/R	Lockwasher 5/8"
37	—	A/R	Plow Bolt 5/8" x 2" Gr.5
38	—	2	Capscrew 3/4" x 1-3/4" Gr.5
39	44026	2	Carriage Bolt
40	61106	1	Moldboard Brace
41	89423	1	Series Decal 60-06
	89458	1	Series Decal 60-07
	89457	1	Series Decal 60-08
42	50031213	2	Red Reflector
43	11-2-149	1	Cutting Edge 7'
	11-3-103	1	Cutting Edge 8'
	11-1-123	1	Cutting Edge 6'
44	89343	1	Jackstand
45	25H41658	1	Pin

**90 SERIES REAR MOUNTED BLADES
MODELS 90-07, 90-08**

90 SERIES REAR MOUNTED BLADES MODELS 90-07, 90-08

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	20508	1	Spirol Pin
2	61068	1	King Pin Bushing
3	61076	1	5th Wheel Weld.
4	53316	1	Red Reflector
5	1273	4	Presto Pin
6	61062	1	Stand Weldment
7	19502	1	Hex Nut 1"
8	15908	1	Flatwasher 1"
9	15821	1	Lockwasher
10	61073	1	Tilt Pivot Pin
11	61084	1	Index Pin
12	61085	1	Blade Mount Weldment
13	7963	2	Cat. 2 Hitch Pin
14	15454	3	Presto Pin
15	20803	1	Roll Pin 5/16" x 2"
16	61093	2	Lower Hitch Bushing
17	61099	1	Boom Pivot Pin
18	61100	1	Mast Weld.
19	89303	1	Top Link Bushing
20	1424173	1	Cat. 1 Top Link Bushing
21	—	4	Lockwasher 3/4"
22	—	A/R	Hex Nut 5/8"
23	12119	1	Bush Hog Decal
24	—	A/R	Plow Bolt 5/8" x 1-3/4" Gr.5
25	—	4	Hex Nut 3/4"
26	—	A/R	Lockwasher 5/8"
27	—	A/R	Plow Bolt 5/8" x 2"
28	—	2	Capscrew 3/4" x 1-3/4"
29	44026	2	Carriage Bolt 3/4" x 2" Gr.5
30	61106	1	Moldboard Brace
31	50018650	1	Moldboard w/ Decals, 7'
	50018649	1	Moldboard w/ Decals, 8'
32	89459	1	Series Decal 90-07
	89426	1	Series Decal 90-08
33	50031213	1	Red Reflector
34	11-2-149	1	Cutting Edge 7'
	11-3-103	1	Cutting Edge 8'
35	12119	1	Bush Hog Decal
36	53169	1	Grease Fitting
37	53348	2	Tension Bushing
38	61122	1	Index Pin, Rear
39	61124	1	Index Pin, Front
40	89399	1	Boom Weld. w/ Decals
41	50031213	1	Caution Decal
42	89142	1	Warning Decal

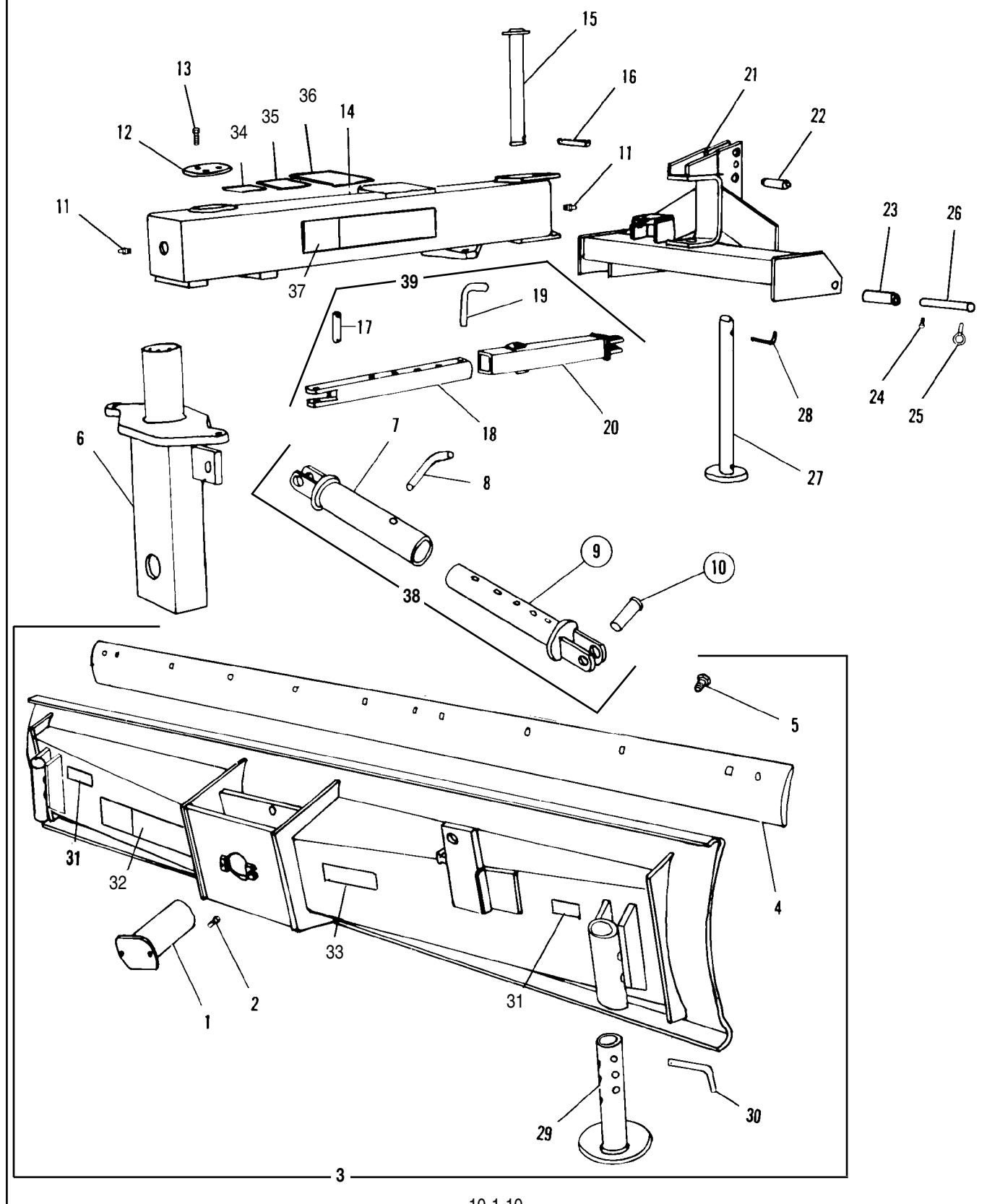
120 SERIES REAR MOUNTED BLADE FOR MODELS 120-08 & 120-09



120 SERIES REAR MOUNTED BLADE FOR MODELS 120-08 & 120-09

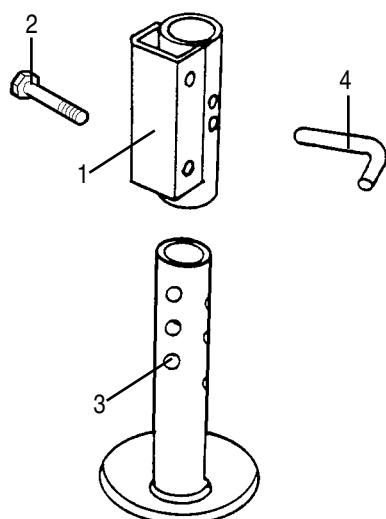
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89146	1	Pivot Pin
2	—	2	Capscrew 3/8" x 1" Gr.5
	—	2	Lockwasher 3/8"
	—	2	Hex Nut 3/8"
3	89151	1	Moldboard Assy. 8'
	89405	1	Moldboard Assy. 9'
4	89329	1	Cutting Edge 8'
	89406	1	Cutting Edge 9'
5	15212	A/R	Plow Bolt 5/8" x 1-3/4"
	—	A/R	Lockwasher 5/8"
	—	A/R	Hex Nut 5/8"
6	89147	1	Swivel
7	89275	1	Outer Pin Jack Link
8	89204	1	Special Pin
	1273	1	Presto Pin
9	89276	1	Inner Pin Jack Link
10	89315	2	Jack Pin
11	89401	1	Frame w/ Decals
12	449	2	Grease Fitting
13	20567	1	Flatwasher 1-1/4"
14	89403	1	Spring
15	89129	1	Drilled Pin
16	89326	1	Lift Spacer
17	21020614	1	Cotter Pin 3/16" x 1-1/2"
18	—	1	Capscrew 3/8" x 2-1/2"
	20363	1	Locknut 3/8"
19	89327	1	Lift Handle
20	89126	1	Cap
21	—	3	Capscrew 1/2" x 1-1/4" Gr.5
	—	3	Lockwasher 1/2"
	—	3	Flatwasher 1/2"
22	89328	2	Drilled Pin
	20558	4	Presto Pin
23	89274	1	Inner Jack Link
24	89245	1	Special Pin
	20558	1	Presto Pin
25	89273	1	Outer Jack Link
26	89149	1	Pivot Pin
27	20326	1	Roll Pin
28	89148	1	Lift Hitch
29	89248	1	Drilled Pin
	1273	2	Presto Pin
30	89155	2	Spacer
31	2850005	2	Klick Pin
32	—	2	Capscrew 3/8" x 1-1/2"
	20363	2	Locknut 3/8"
33	89154	2	Hitch Pin
34	89281	1	Parking Stand
35	89311	1	Special Pin
	1273	1	Presto Pin
36	89141	1	Caution Decal
37	89142	1	Warning Decal
38	60321	1	Bush Hog Decal
39	12119	1	Bush Hog Decal
40	89427	1	Series Decal 120-08
	89429	1	Series Decal 120-09
41	50031213	2	Red Reflector
42	89295	1	8 Pin Jack Assy.
43	89294	1	16 Pin Jack Assy.
44	89475	1	Warning Decal

175 SERIES REAR MOUNTED BLADE FOR MODEL 175-09 & 175-10



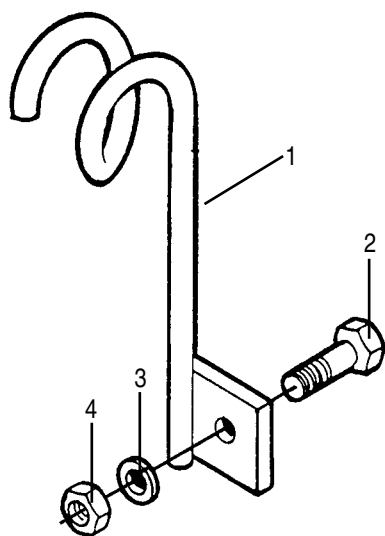
175 SERIES REAR MOUNTED BLADE FOR MODEL 175-09 & 175-10

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89271	1	Pivot Pin
2	—	2	Capscrew 3/8" x 1" Gr.5
	—	2	Lockwasher 3/8"
	—	2	Hex Nut 3/8"
3	89298	1	Moldboard Assy. 9'
	89299	1	Moldboard Assy. 10'
4	89406	1	Cutting Edge 9'
	89419	1	Cutting Edge 10'
5	15212	A/R	Plow Bolt 5/8" x 1-3/4"
	—	A/R	Lockwasher 5/8"
	—	A/R	Hex Nut 5/8"
6	89277	1	Swivel
7	89275	1	Outer Jack Link
8	89204	1	Special Pin
	1273	1	Presto Pin
9	89276	1	Inner Jack Link
10	89315	2	Jack Pin
	21020614	2	Cotter Pin 3/16" x 1-1/2"
11	449	2	Grease Fitting
12	89243	1	Cap
13	—	3	Capscrew 5/8" x 1-1/4" Gr.5
	—	3	Lockwasher 5/8"
14	89463	1	Frame w/ Decals
15	89279	1	Pivot Pin
16	52732	1	Roll Pin 1/2" x 3"
17	89328	4	Drilled Pin
	20558	8	Presto Pin
18	89274	2	Inner Jack Link
19	89275	2	Special Pin
	20558	2	Presto Pin
20	89273	2	Outer Jack Link
21	89280	1	Lift Hitch
22	89248	1	Drilled Pin
	1273	1	Presto Pin
23	89155	2	Spacer
24	—	2	Capscrew 3/8" x 1-1/2" Gr.5
	20363	2	Locknut 3/8"
25	2850005	2	Klick Pin
26	89154	2	Hitch Pin
27	89281	1	Parking Stand
28	89311	1	Special Pin
	1273	1	Presto Pin
29	89285	2	Skid Shoe
30	89234	2	Pin
	1273	2	Presto Pin
31	50031213	2	Red Reflector
32	12119	1	Bush Hog Decal
33	89438	1	Series Decal 175-09
	89439	1	Series Decal 175-10
34	89141	1	Caution Decal
35	89142	1	Warning Decal
36	82683	1	Warning Decal
37	60321	1	Bush Hog Decal
38	89295	1	8 Pin Jack Assy.
39	89294	2	16 Pin Jack Assy.



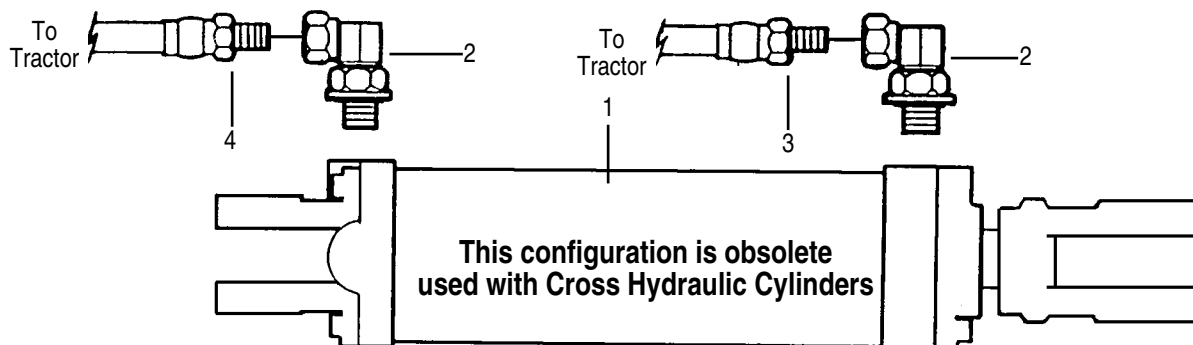
BOLT ON SKID SHOE FOR 120 SERIES

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89284	1	Shoe Support
2		2	Capscrew 3/4" x 6"
		2	Lockwasher 3/4"
		2	Hex Nut 3/4"
3	89285	1	Skid Shoe
4	89234	1	Pin
	1273	1	Hair Pin



HOSE HOLDER FOR 120 & 175 SERIES

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89282	1	Hose Holder
2		1	Capscrew 1/2" x 1-1/2"
3		1	Lockwasher 1/2"
4		1	Hex Nut 1/2"

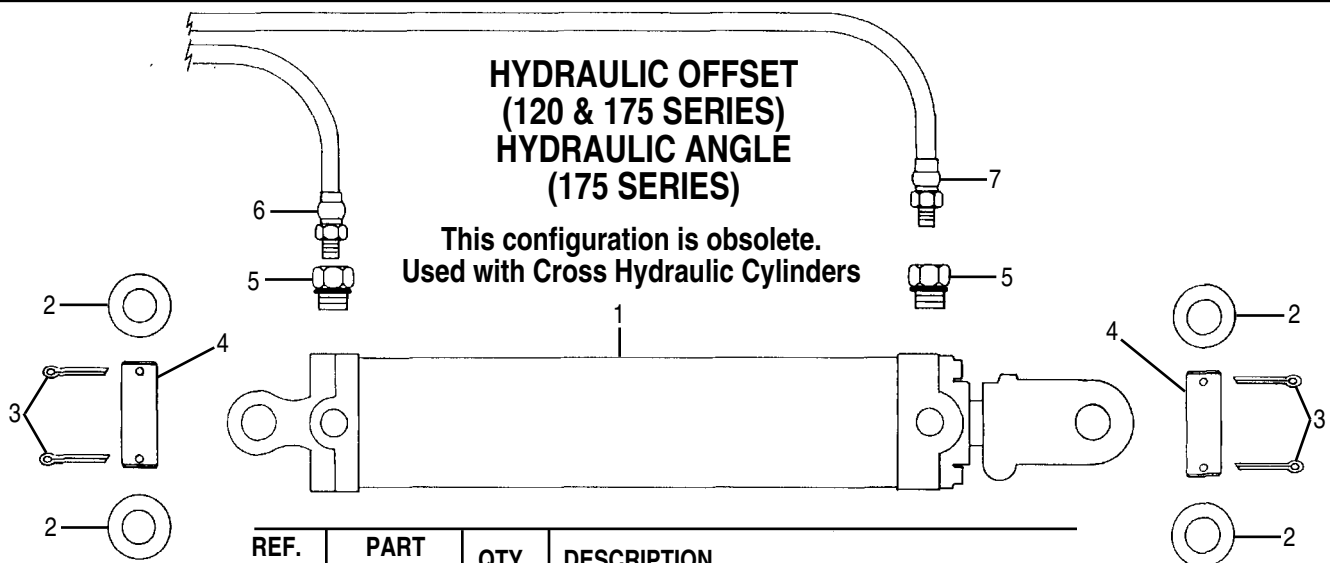


TILT HYDRAULICS

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89355	1	Hydraulic Cylinder 3-1/2" Bore x 8" Stroke
2	89442	2	Adaptor 90° 3/4" SAE Male ORB to 3/8" Female
3	89387	1	Hydraulic Hose 155" 3/8" Male
4	89385	1	Hydraulic Hose 141" 3/8" Male

HYDRAULIC OFFSET (120 & 175 SERIES) HYDRAULIC ANGLE (175 SERIES)

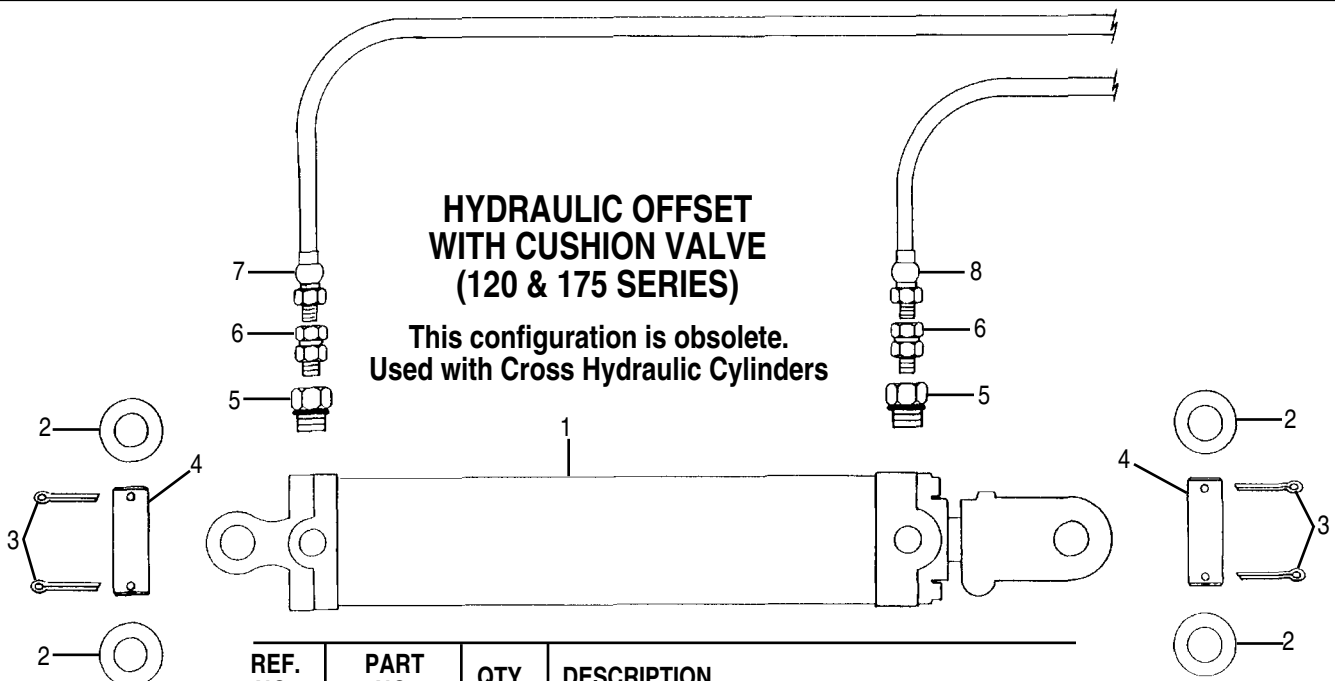
**This configuration is obsolete.
Used with Cross Hydraulic Cylinders**



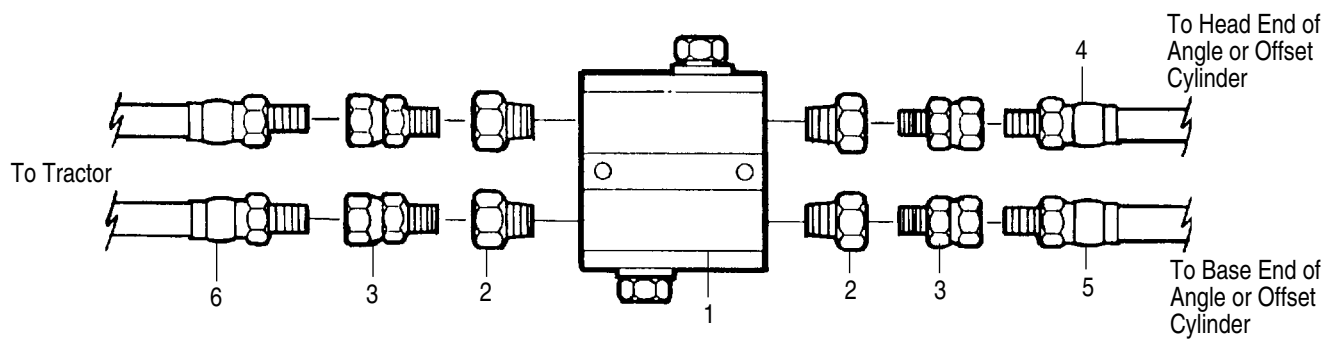
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89308	1	Hydraulic Cylinder 3-1/2" Bore x 16" Stroke
2	15908	4	Flatwasher 1"
3	15474	4	Cotter Pin 1/4" x 1-3/4"
4	89331	2	Pin
5	89441	2	Adaptor "O" Ring 3/4" SAE Male to 3/8" NPT Female
6	89404	1	Hydraulic Hose 3/8" NPT Male 88" (Offset & Angle)
7	89404	1	Hydraulic Hose 3/8" NPT Male 88" (Offset)
	89418	1	Hydraulic Hose 3/8" NPT Male 108" (Angle)

HYDRAULIC OFFSET WITH CUSHION VALVE (120 & 175 SERIES)

**This configuration is obsolete.
Used with Cross Hydraulic Cylinders**



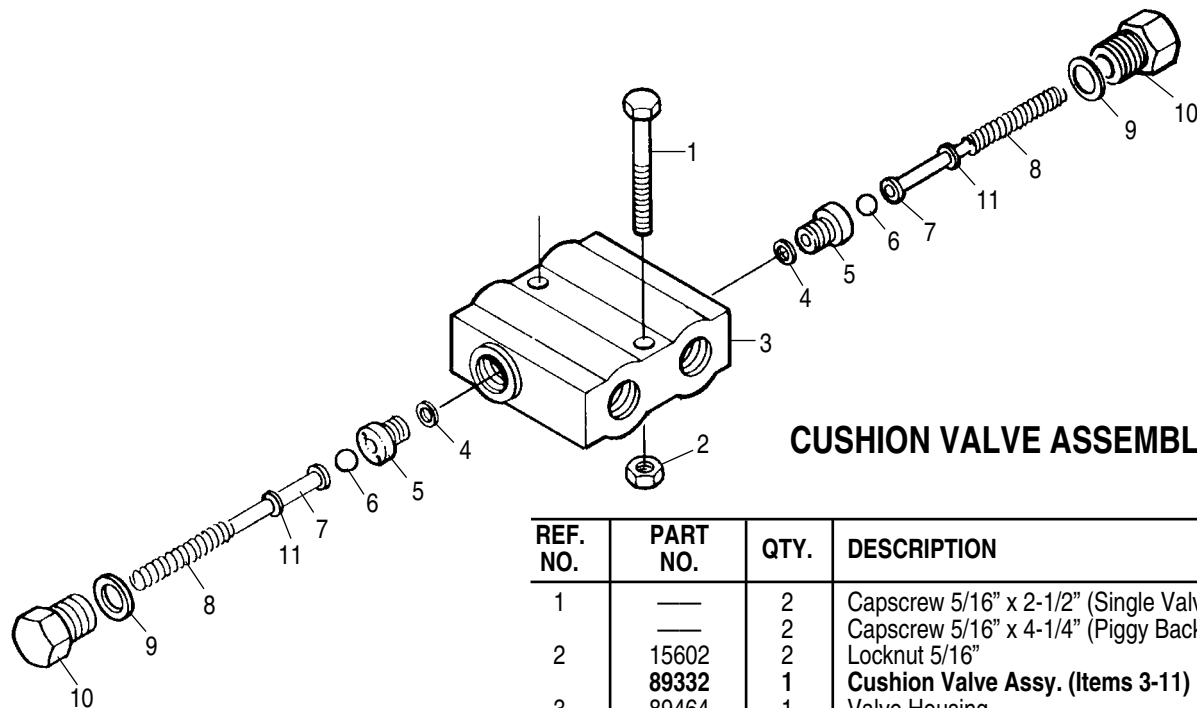
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89308	1	Hydraulic Cylinder 3-1/2" Bore x 16" Stroke
2	15908	4	Flatwasher 1"
3	15474	4	Cotter Pin 1/4" x 1-3/4"
4	89331	2	Pin
5	89441	2	Adaptor "O" Ring 3/4" SAE Male to 3/8" NPT Female
6	89444	2	Swivel Adaptor 3/8" NPT Male to Female
7	89435	1	Hydraulic Hose 3/8" NPT Male 59"
8	89434	1	Hydraulic Hose 3/8" NPT Male 43-1/2"



CUSHION VALVE HYDRAULICS 120 & 175 SERIES

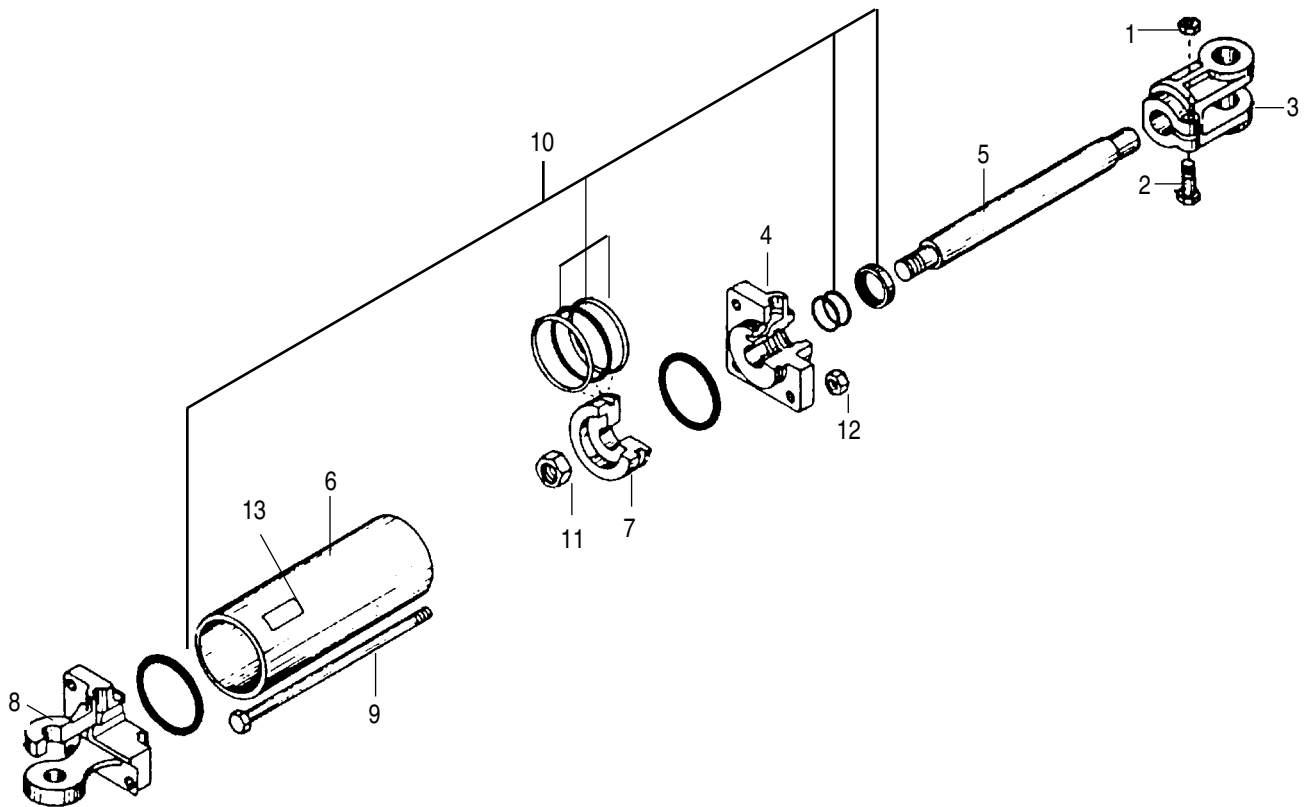
This configuration is used when plumbing to the OLD STYLE CROSS hydraulic cylinders.

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89332	1	Cushion Valve Assy.
2	89443	4	Reducer Bushing 1/2" Pipe to 3/8" Pipe
3	89444	4	Swivel Adaptor 3/8" Pipe Male to 3/8" Pipe Female
4	89434	1	Hyd. Hose 43-1/2" - 3/8" Pipe Male
5	89435	1	Hyd. Hose 59" - 3/8" Pipe Male
6	89404	2	Hyd. Hose 88" - 3/8" Pipe Male



CUSHION VALVE ASSEMBLY

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	—	2	Capscrew 5/16" x 2-1/2" (Single Valve)
2	15602	2	Capscrew 5/16" x 4-1/4" (Piggy Back-2 Valves)
	89332	2	Locknut 5/16"
3	89464	1	Cushion Valve Assy. (Items 3-11)
4	89465	2	Valve Housing
5	89466	2	Seal "O" Ring
6	89467	2	Seat
7	89468	2	Ball
8	89469	2	Guide
9	89470	2	Spring
10	89471	2	Spring Cap "O" Ring
11	89472	2	Spring Cap
	89473	A/R	Shim .040
	89474	A/R	Shim .020
		A/R	Shim .010

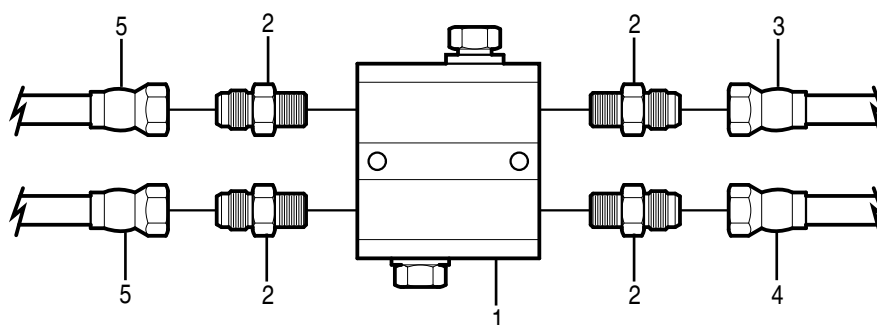


(OBSOLETE)
REPLACED BY 89486 HYD. CYLINDER
OFFSET AND ANGLE CONTROL CYLINDER
89308 HYDRAULIC CYLINDER
3-1/2" BORE X 16" STROKE
3/4" - 16 SAE PORT
MFG. BY CROSS

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	20363	1	Locknut 3/8"
2	44174	1	Capscrew 3/8" x 1-3/4" Gr. 5
3	89268	1	Rod Clevis
4	89335	1	Head
5	89338	1	Rod
6	89339	1	Tube
7	89264	1	Piston
8	89263	1	Base Clevis
9	89336	4	Tie Rod
10	89341	1	Seal Kit
11	89262	1	Piston Nut
12	89300	8	Tie Rod Nut
13	24-6-423	1	Safety Decal

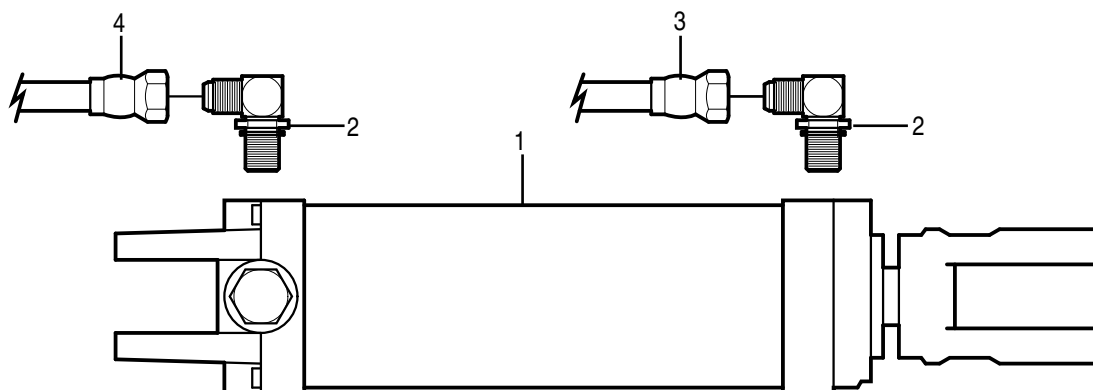
(OBSOLETE)
REPLACED BY 89391 HYD. CYLINDER
TILT CONTROL CYLINDER
89355 HYDRAULIC CYLINDER
3-1/2" X 8" STROKE
3/4" - 16 SAE PORTS
MFG. BY CROSS

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	20363	1	Locknut 3/8"
2	44174	1	Capscrew 3/8" x 1-3/4" Gr. 5
3	89268	1	Rod Clevis
4	89265	1	Head
5	89269	1	Rod
6	89270	1	Tube
7	89264	1	Piston
8	89263	1	Base Clevis
9	89267	4	Tie Rod
10	89266	1	Seal Kit
11	89262	1	Seal Kit
12	89300	8	Tie Rod Nut
13	24-6-423	1	Safety Decal



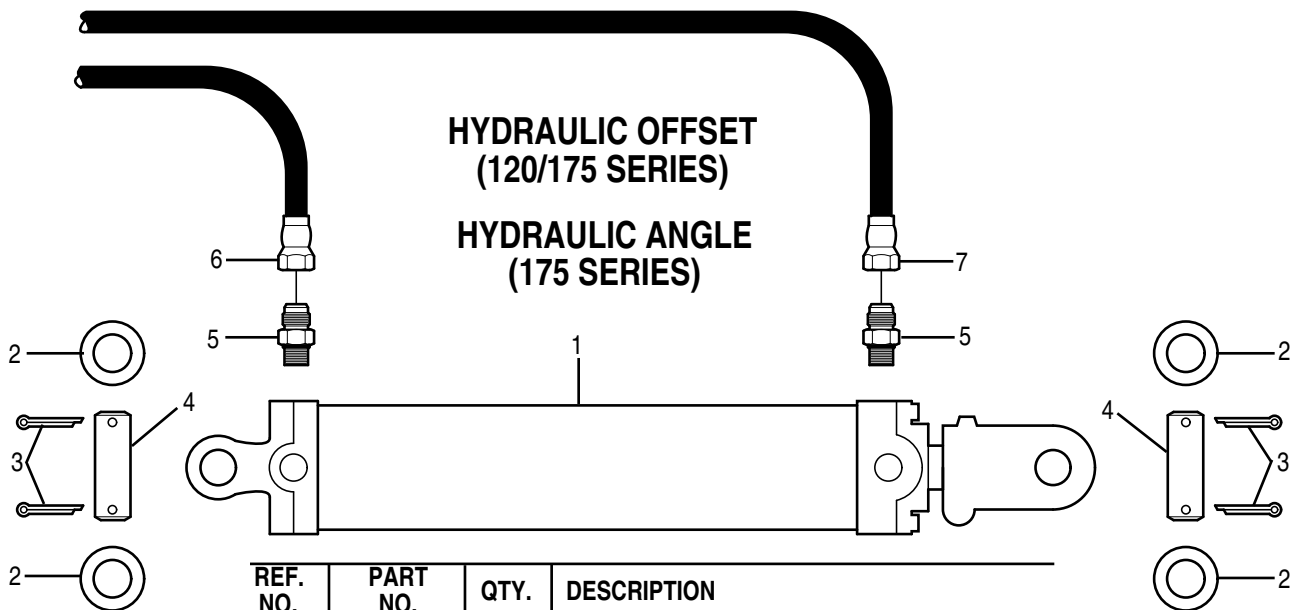
CUSHION VALVE HYDRAULICS

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89332	1	Cushion Valve Assembly
2	24-6-434	4	Reducer Bushing 1/2" Pipe to 3/8" Pipe
3	62430	1	Hydraulic Hose 48"-9/16" JIC Female (120 & 175 Series)
	17-0-13		Hydraulic Hose 24-9/16" JIC Female (121 & 176 Series)
4	1440100	1	Hydraulic Hose 60"-9/16" JIC Female (120 & 175 Series)
	1445108	1	Hydraulic Hose 40" (121 & 176 Series)
5	17-0-12	2	Hydraulic Hose 86"-9/16" JIC Female (120 & 175 Series)
	62429	2	Hydraulic Hose 96" JIC Female (121 & 176 Series)

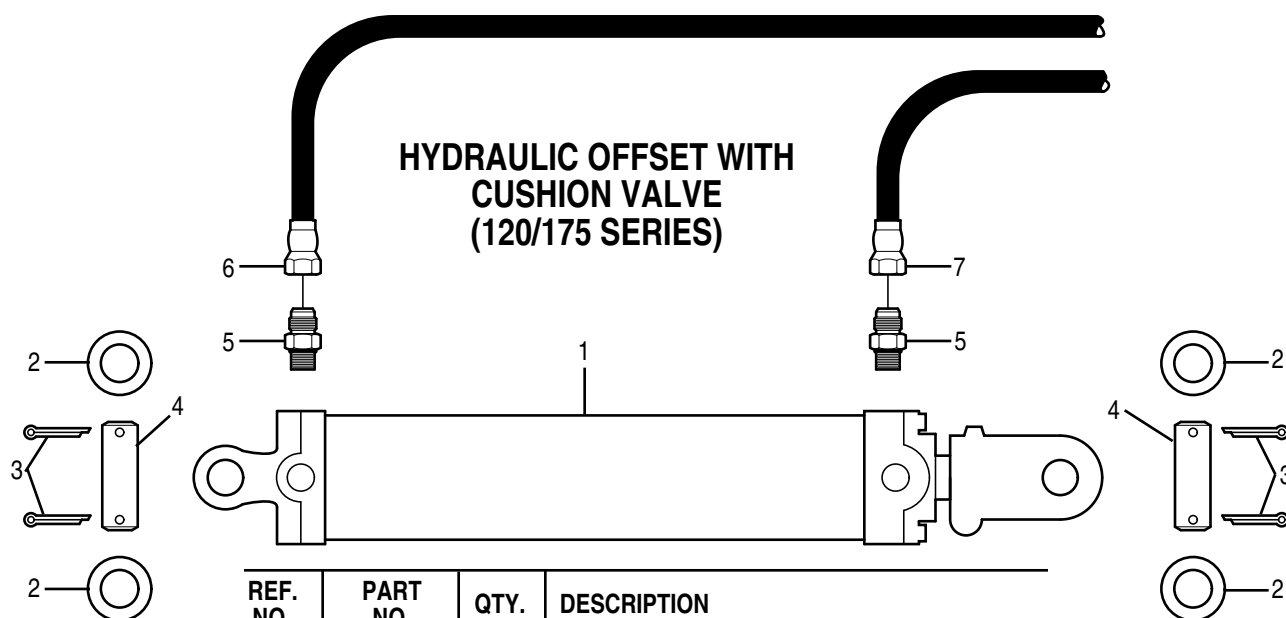


TILT HYDRAULICS 120 & 175 Series Only

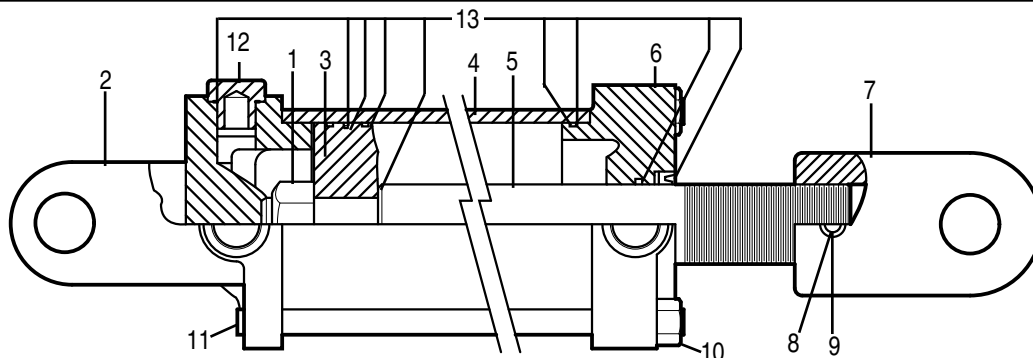
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	50017498	1	Hydraulic Cylinder 3-1/2" Bore x 8" Stroke (Iowa Ind. Hyd.)
2	14-40-98	2	Adaptor 90° 3/4" SAE Male ORB to 9/16" JIC Male
3	79041	1	Hydraulic Hose 158"-9/16" JIC Female
4	62427	1	Hydraulic Hose 144"-9/16" JIC Female



REF. NO.	PART NO.	QTY.	DESCRIPTION
1	50017499	1	Hydraulic Cylinder 3-1/2" Bore x 16" Stroke
2	15908	4	Flatwasher 1"
3	15474	4	Cotter Pin 1/4" x 1-3/4"
4	89331	2	Pin
5	53340	2	Adaptor "O" Ring 3/4" SAE Male to 9/16" JIC Male
6	17-0-12	1	Hyd. Hose 9/16" JIC Female 86" (Offset & Angle)
7	17-0-12	1	Hyd. Hose 9/16" JIC Female 86" (Offset)
	14-40-97	1	Hyd. Hose 9/16" JIC Female 108" (Angle)

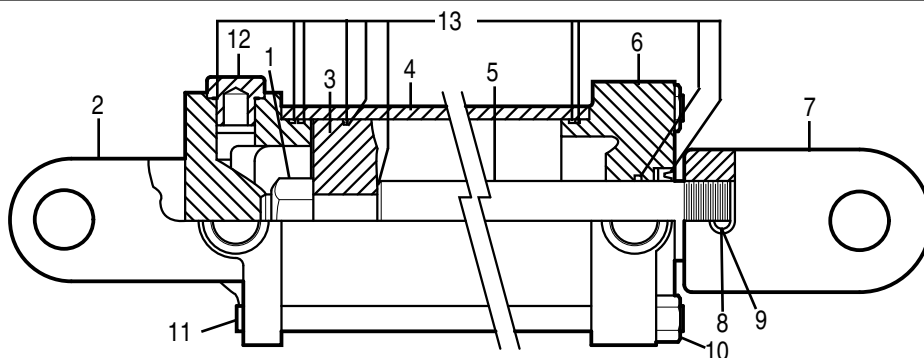


REF. NO.	PART NO.	QTY.	DESCRIPTION
1	50017499	1	Hydraulic Cylinder 3-1/2" Bore x 16" Stroke
2	15908	4	Flatwasher 1"
3	15474	4	Cotter Pin 1/4" x 1-3/4"
4	89331	2	Pin
5	53340	2	Adaptor "O" Ring 3/4" SAE Male to 9/16" JIC Male
6	1440100	1	Hyd. Hose 9/16" JIC Female 60"
7	62430	1	Hyd. Hose 9/16" JIC Female 48"

**89391 HYDRAULIC CYLINDER**

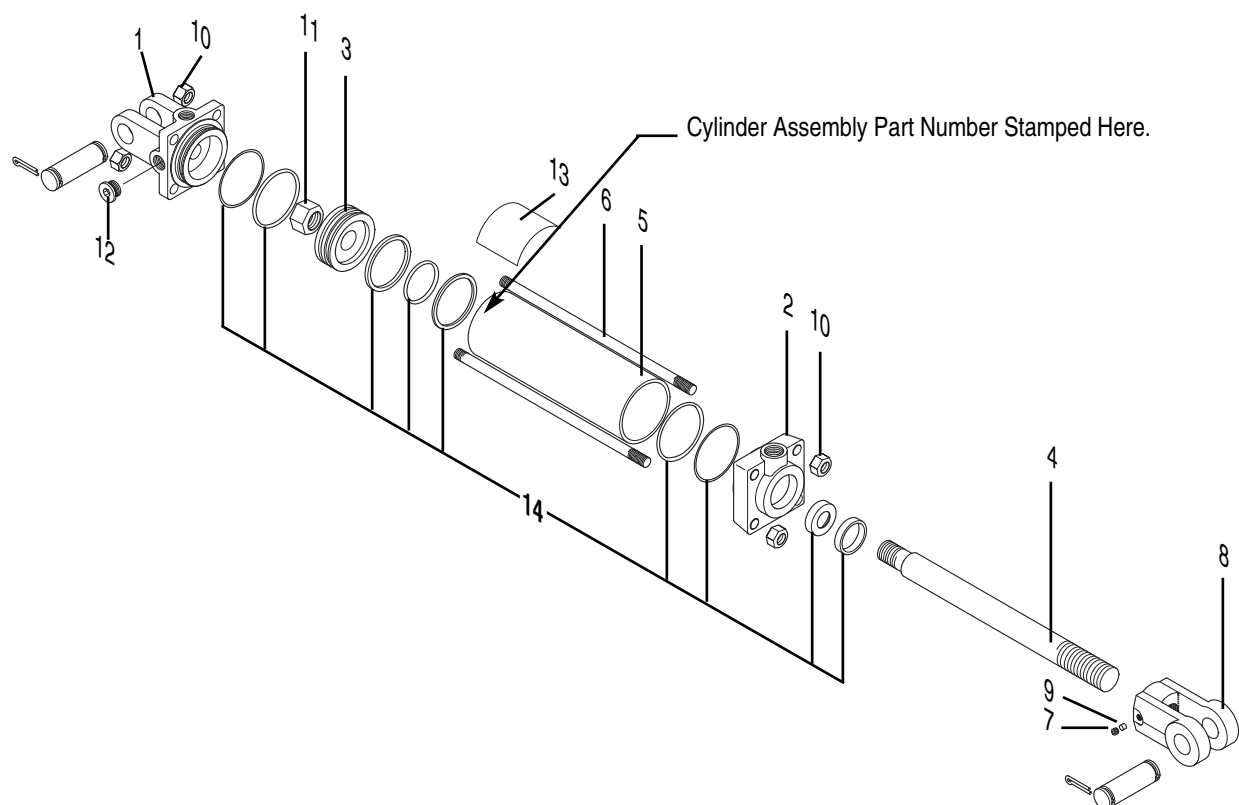
Replaced by 50017498 Hydraulic Cylinder (Monarch)

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	63621	1	Locknut
2	84395	1	Bottom
3	86624	1	Piston
4	84396	1	Case
5	84397	1	Shaft
6	69032	1	Head
7	86625	1	Clevis
8	63631	1	Setscrew
9	65650	1	Nylon Plug
10	63638	4	Nut
11	84398	4	Tie Rod
12	63623	1	Plug Assembly
13	86626	1	Seal Kit

**89486 HYDRAULIC CYLINDER**

Replaced by 50017499 Hydraulic Cylinder (Monarch)

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	63621	1	Locknut
2	SP264	1	Bottom
3	SP115	1	Piston
4	SP266	1	Case
5	SP265	1	Shaft
6	SP267	1	Head
7	SP118	1	Clevis
8	63631	1	Setscrew
9	65650	1	Nylon Plug
10	63638	4	Nut
11	SP268	4	Tie Rod
12	63623	1	Plug Assembly
13	91446	1	Seal Kit

**50017498 HYDRAULIC CYLINDER (TILT)**

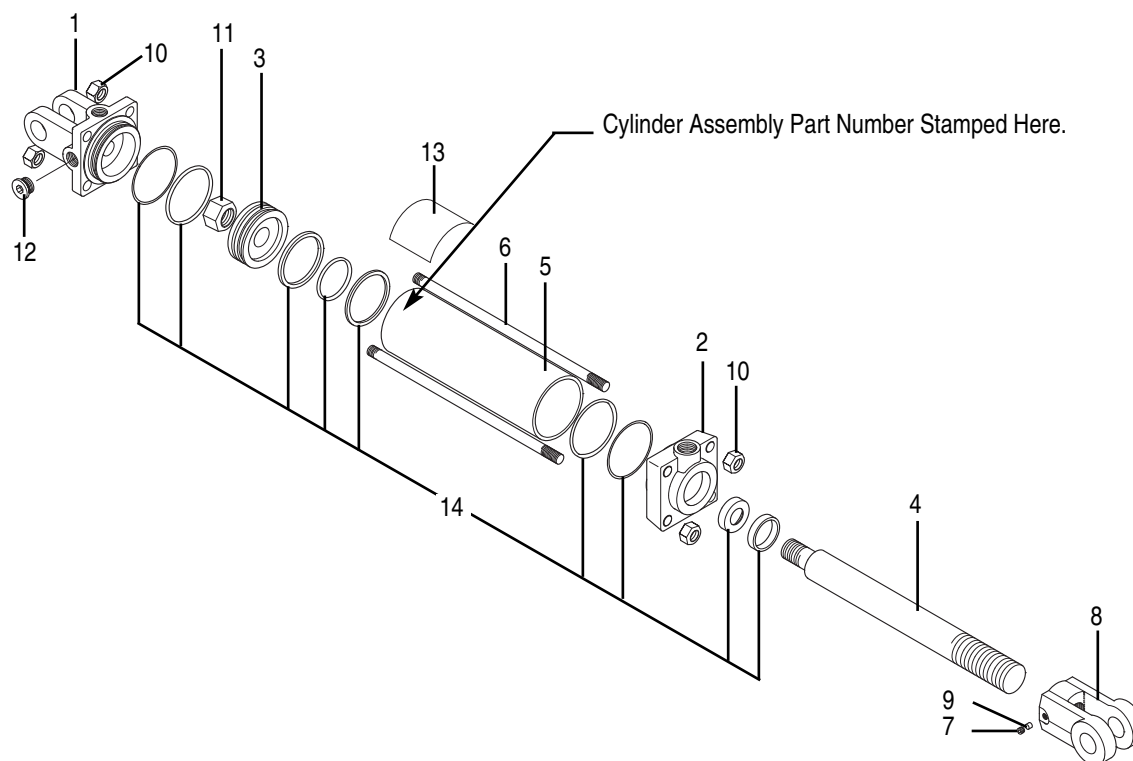
Mfd. by Monarch
 3.5" Bore x 8" Stroke x 1.25" Rod Dia.
 3/4" – 16 ORB Ports
 Replaces 95404 Hydraulic Cylinder

REF. NO.	PART NO.	QTY.	DESCRIPTION
	50017498	1	Hydraulic Cylinder
1	95429	1	Clevis Cap
2	-----	1	Rod Cap
3	50017628	1	Piston
4	95431	1	Rod 1.25" Dia.
5	95426	1	Cylinder Tube
6	-----	4	Tie Rod
7	95433	1	Thread Lock
8	95428	1	Rod Clevis 1.25" x 1"
9	95422	1	Set Screw 3/8" x 1/2 Knurled
10	95420	8	Hex Nut 5/8" UNF
11	-----	1	Hex Nut 1" -14
12	95435	1	Plug 3/4"
13	50042072	1	Caution Decal
14	50017623	1	Seal Kit

50017499 HYDRAULIC CYLINDER (ANGLE & OFFSET)

Mfd. by Monarch
 3.5" Bore x 16" Stroke x 1.5" Rod Dia.
 3/4" – 16 ORB Ports
 Replaces 95405 Hydraulic Cylinder
 Obsolete – Replaced by 50024818 Cylinder

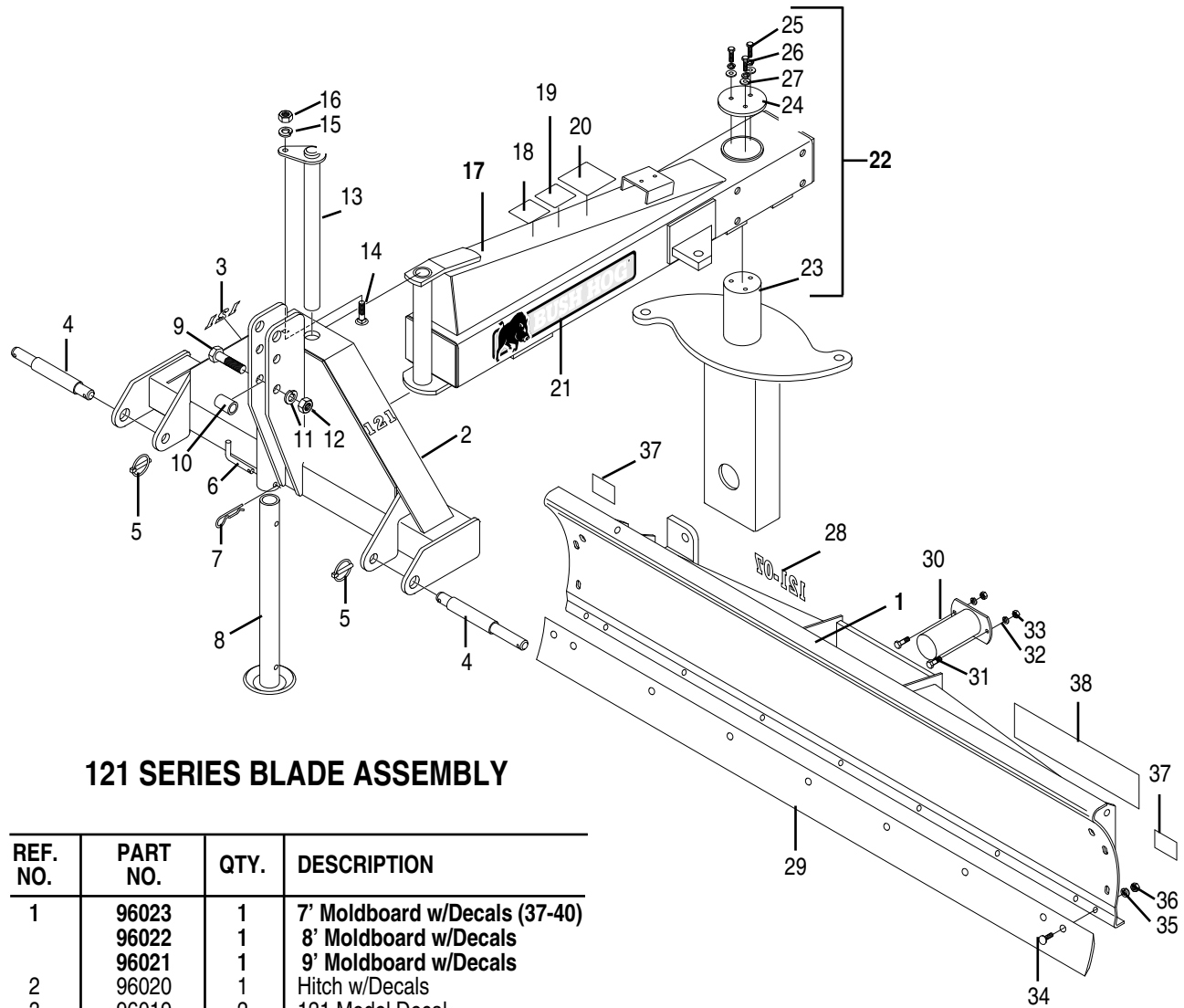
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	95429	1	Clevis Cap
2	95467	1	Rod Cap
3	50017993	1	Piston
4	95503	1	Rod 1.5" Dia.
5	95462	1	Cylinder Tube
6	95463	4	Tie Rod
7	95433	1	Thread Lock
8	50025396	1	Rod Clevis 1.5" x 1"
9	95422	1	Set Screw 3/8" x 1/2 Knurled
10	95420	8	Hex Nut 5/8" UNF
11	95442	1	Hex Nut 1 1/8" GRB
12	95435	1	Plug 3/4"
13	95423	1	Caution Decal
14	50017624	1	Seal Kit



50024818 HYDRAULIC CYLINDER (ANGLE & OFFSET)

Manufactured by Monarch
3.5" Bore x 16" Stroke x 1.75" Rod Dia.
3/4" – 16 ORB Ports
Replaces 50017499 Hydraulic Cylinder

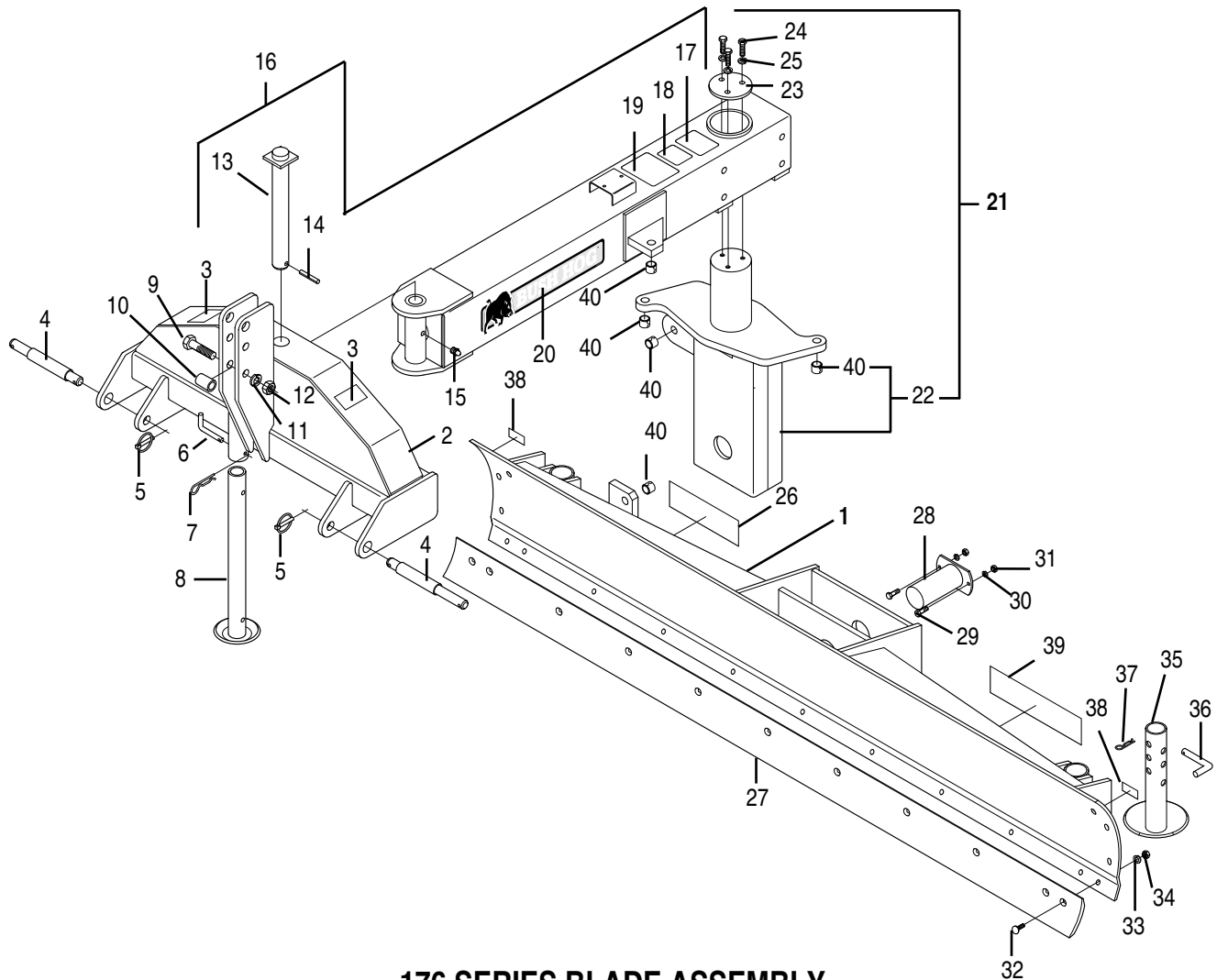
REF. NO.	PART NO.	QTY.	DESCRIPTION
	50024818	1	Hydraulic Cylinder
1	95429	1	Clevis Cap
2	-----	1	Rod Cap, 3/5" x 1.75" ORB
3	50017993	1	Piston
4	50025397	1	Rod 1.75" x 16"
5	-----	1	Cylinder Tube
6	95463	4	Tie Rod
7	95433	1	Thread Lock
8	50025396	1	Rod Clevis 1.5"
9	95422	1	Set Screw 3/8" x 1/2 Knurled
10	95420	8	Hex Nut 5/8" UNF
11	95442	1	Hex Nut 1 1/8" GRB
12	95435	1	Plug 3/4"
13	50042072	1	Caution Decal
14	50017624	1	Seal Kit



121 SERIES BLADE ASSEMBLY

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	96023	1	7' Moldboard w/Decals (37-40)
	96022	1	8' Moldboard w/Decals
	96021	1	9' Moldboard w/Decals
2	96020	1	Hitch w/Decals
3	96019	2	121 Model Decal
4	25G12545	2	Hitch Pin
5	2850005	2	Klik Pin
6	89311	1	Pin
7	1273	1	Hair Pin
8	89281	1	Parking Stand
9	20547	1	Capscrew 1" x 4-1/2" Gr. 5
10	6404018	1	Bushing
11	15821	1	Lockwasher 1"
12	19502	1	Hex Nut 1"
13	50076174	1	Pin Weldment
14	5161614	1	Carriage Bolt 1/2" x 1-1/2" Gr. 5
15	—	1	Lockwasher 1/2"
16	—	1	Hex Nut 1/2"
17	96032	1	Frame Weld. w/Decals (17-21)
18	89141	1	Caution Decal
19	89142	1	Warning Decal
20	89475	1	Warning Decal
21	50061049	2	Bush Hog Decal
22	96033	1	Swivel Assy.
23	96034	1	Swivel Weldment
24	89126	1	Swivel Cap
25	—	3	Capscrew 1/2" x 1-1/4" Gr.5

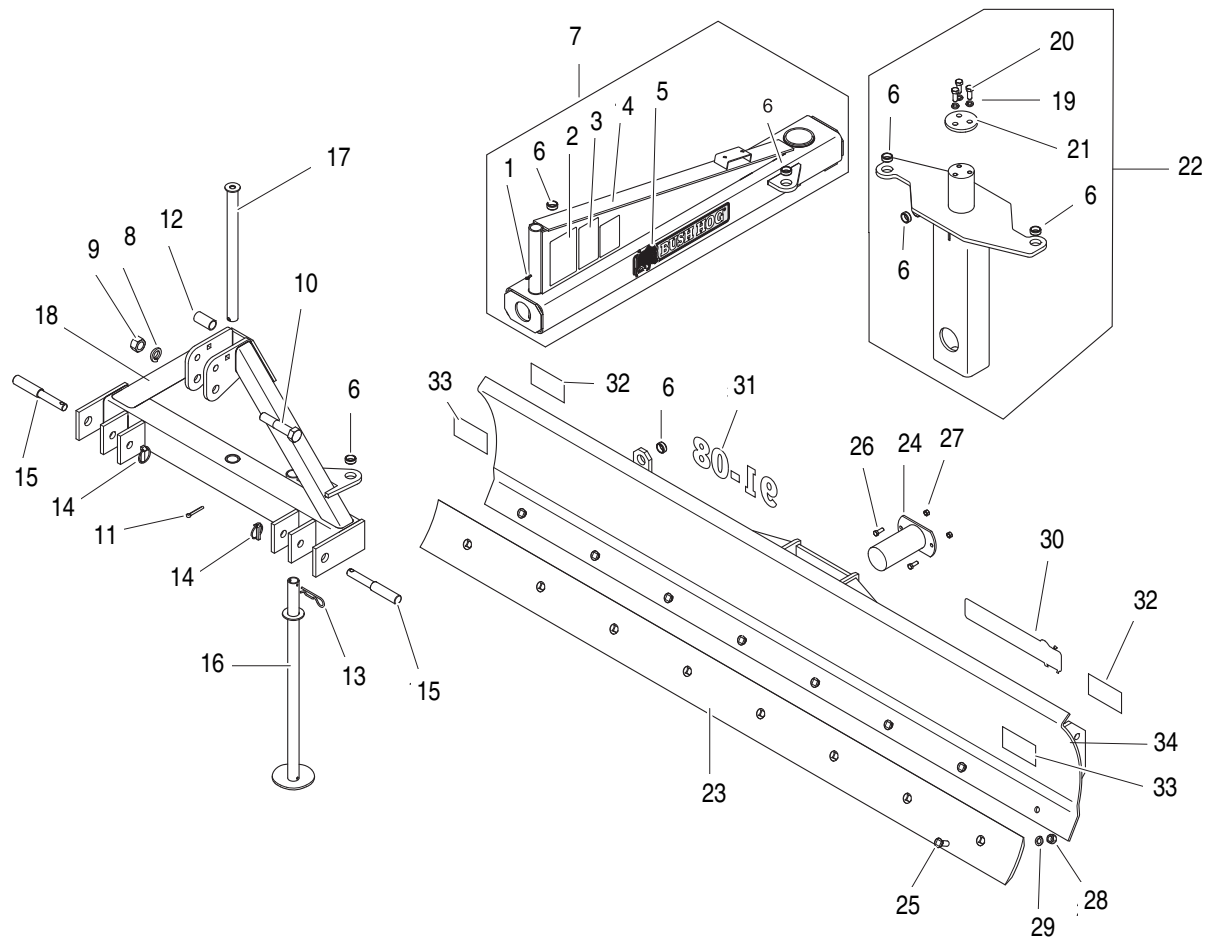
REF. NO.	PART NO.	QTY.	DESCRIPTION
26	—	3	Lockwasher 1/2"
27	—	3	Flatwasher 1/2"
28	96061	1	Series Decal 121-07
	96072	1	Series Decal 121-08
	96078	1	Series Decal 121-09
29	96062	1	7' Cutting Edge
	89329	1	8' Cutting Edge
	89406	1	9' Cutting Edge
30	89146	1	Pivot Pin
31	—	2	Capscrew 3/8" x 1" Gr. 5
32	—	2	Lockwasher 3/8"
33	—	2	Hex Nut 3/8"
34	15212	11/10/9	Plow Bolt #3 5/8" x 1-3/4"
35	19486	11/10/9	Lockwasher 5/8"
36	15563	11/10/9	Hex Nut 5/8"
37	50031213	2	Red Reflector
38	12119	1	Bush Hog Decal



176 SERIES BLADE ASSEMBLY

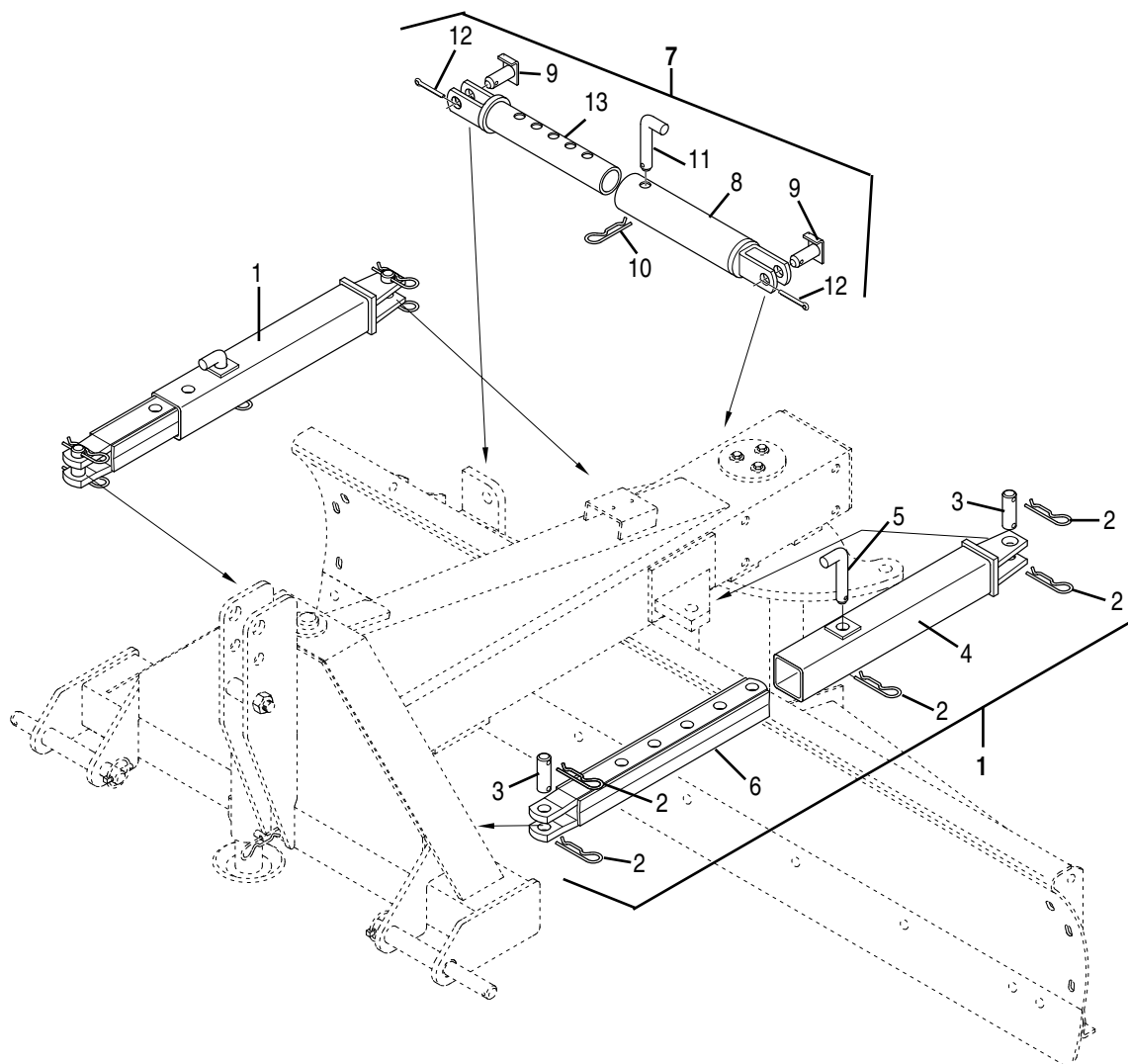
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	95847	1	9' Moldboard w/ Decals
	95846	1	10' Moldboard w/ Decals
2	95845	1	Hitch w/ Decals
3	95850	2	176 Model Decal
4	25G12545	2	Hitch Pin
5	2850005	2	Klik Pin
6	89311	1	Pin
7	1273	1	Hair Pin
8	89281	1	Parking Stand
9	20547	1	Capscrew 1" x 4-1/2" Gr.5
10	6404018	1	Bushing
11	15821	1	Lockwasher 1"
12	19502	1	Hex Nut 1"
13	89279	1	Pin Weldment
14	52732	1	Roll Pin
15	449	1	Grease Fitting
16	50018743	1	Frame w/ Decals (13-20)
17	89141	1	Caution Decal
18	89142	1	Warning Decal
19	50042281	1	Warning Decal
20	50061049	2	Bush Hog Decal

REF. NO.	PART NO.	QTY.	DESCRIPTION
21	89357	1	Swivel Assembly (22-25, 40)
22	50018760	1	Swivel Weldment w/ Bushings
23	89243	1	Plate, Retainer
24	—	3	Capscrew 5/8" x 1-1/4" Gr.5
25	—	3	Lockwasher 5/8"
26	95911	1	Series Decal 176-09
	95912	1	Series Decal 176-10
27	89406	1	9' Cutting Edge
	89419	1	10' Cutting Edge
28	89271	1	Pivot Pin
29	—	2	Capscrew 3/8" x 1" Gr.5
30	—	2	Lockwasher 3/8"
31	—	2	Hex Nut 3/8"
32	15212	11/12	Plow Bolt #3 5/8" x 1-3/4"
33	19486	11/12	Lockwasher 5/8"
34	15563	11/12	Hex Nut 5/8"
35	89285	2	Skid Shoe
36	89234	2	Pin
37	1273	2	Presto Pin
38	50031213	2	Red Reflector
39	12119	1	Bush Hog Decal
40	88916	6	Tension Bushing



91 SERIES BLADE ASSEMBLY Models 91-07 and 91-08

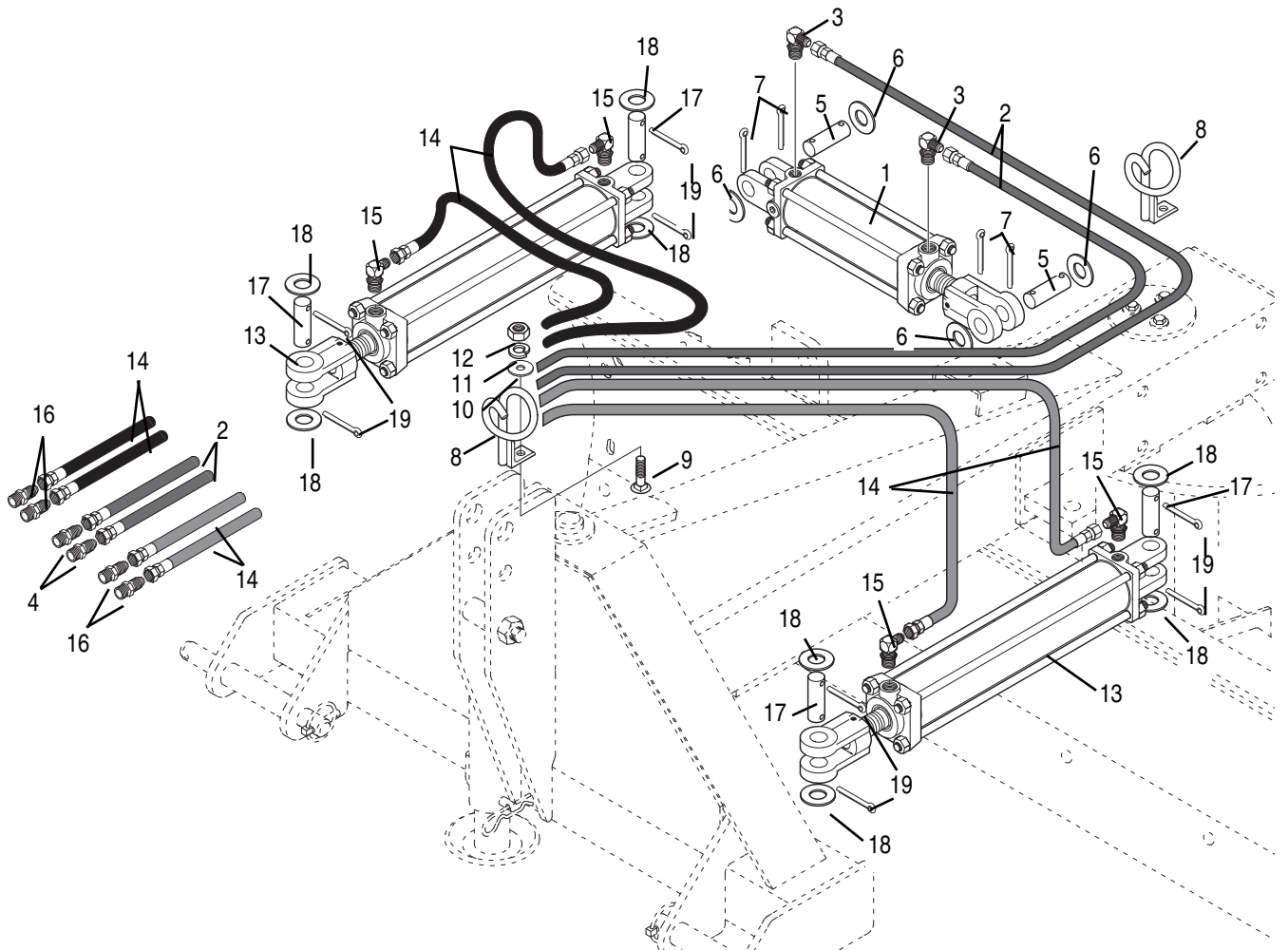
REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	449	3	Grease Fitting	21	50064423	1	Cap
2	89475	1	Warning Decal	22	50064415	1	Swivel Assembly
3	90959	1	Warning Decal	23	95158	1	Cutting Edge 7'
4	89141	1	Caution Decal		99332	1	Cutting Edge 8'
5	50065309	2	Bush Hog Logo Decal	24	50064427	1	Pivot Pin Weldment
6	50064417	7	Tension Bushing	25	15212	8	Plow Bolt #3 - 5/8" x 1-3/4" for 8'
7	50064413	1	Frame Assembly		15212	7	Plow Bolt #3 - 5/8" x 1-3/4" for 7'
8	15821	1	Lockwasher 1"	26	-----	2	Capscrew 3/8" x 1" Gr.5
9	19502	1	Hex Nut 1"	27	9131200	2	Locknut 3/8"
10	19061	1	Capscrew 1" x 5" Gr. 5	28	-----	8	Hex Nut 5/8" for 8'
11	44823	1	Cotter Pin 5/16" x 2"		-----	7	Hex Nut 5/8" for 7'
12	50064426	1	Bushing 1" x 1.25" x 2.44"	29	-----	8	Lockwasher 5/8" for 8'
13	1273	1	Presto Pin		-----	7	Lockwasher 5/8" for 7'
14	2850005	1	Lynch Pin	30	50065309	1	Bush Hog Logo Decal
15	99342	2	Lift Pin Cat, I & II	31	50064429	1	Model Decal 91-07
16	50064425	1	Parking Stand		50064418	1	Model Decal 91-08
17	50064424	1	Pin Weldment	32	50031214	2	Red Reflector 2" x 9"
18	50064421	1	"A" Frame Weldment	33	53315	2	Amber Reflector 1.5" x 3"
19	-----	3	Lockwasher 1/2"	34	50064431	1	7' Moldboard w/Decals
20	-----	3	Capscrew 1/2" x 1-1/4" Gr.5		50064422	1	8' Moldboard w/Decals



PIN JACK ASSEMBLIES

For 91, 121, 141, 176 & 181 Series Rear Blades

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89294	1	16" Pin Jack Assembly
2	1273BH	5	Presto Pin
3	89328	2	Pin
4	89273	1	Outer Jack Link
5	99333	1	Bent Pivot Pin, 1" x 4" x 5-3/4"
6	89274	1	Inner Jack Link
7	89295	1	8" Pin Jack Assembly
8	89275	1	Outer Jack Link
9	99334	2	Pin
10	1273BH	1	Hair Pin
11	89204	2	Pin
12	2102614	2	Cotter Pin 3/16" x 1-1/2"
13	89276	1	Inner Jack Link



**95839 8" HYDRAULIC BLADE TILT KIT (1-7)
FOR 91, 121, 141, 176 & 181 MODELS**

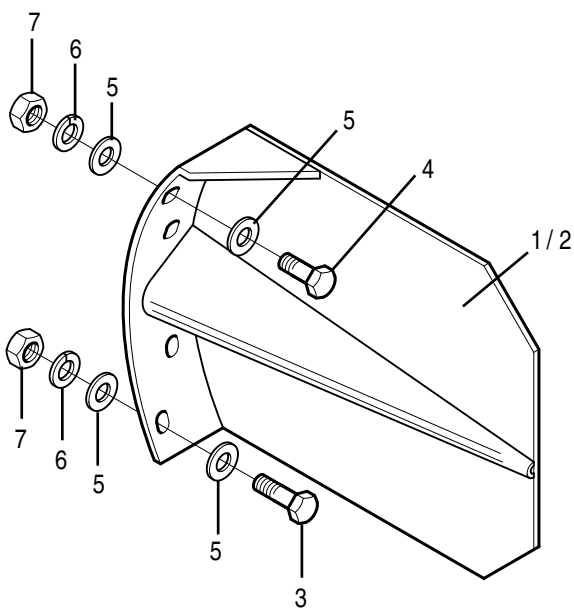
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	50017498	1	8" Hydraulic Cylinder
2	62427	2	Hydraulic Hose 144"
3	14-40-98	2	Elbow 90°
4	24-6-434	2	Male Adaptor
5	89331	2	Cylinder Pin
6	15908BH	4	Flatwasher 1"
7	15474	4	Cotter Pin 1/4 x 1-3/4"

**95838 16" CYLINDER KIT FOR ANGLE & OFFSET
(1 KIT REQUIRED FOR EACH FUNCTION)
FOR 91, 121, 141, 176 & 181 MODELS**

REF. NO.	PART NO.	QTY.	DESCRIPTION
13	50024818	1	16" Hydraulic Cylinder
14	62429BH	2	Hydraulic Hose 96"
15	14-40-98	2	Elbow 90°
16	24-6-434	2	Male Adaptor
17	89331	2	Cylinder Pin
18	15908BH	4	Flatwasher 1"
19	15474	4	Cotter Pin 1/4" x 1-3/4"

**95841 HOSE HOLDER KIT (8-12)
FOR 91, 121 & 176 MODELS**

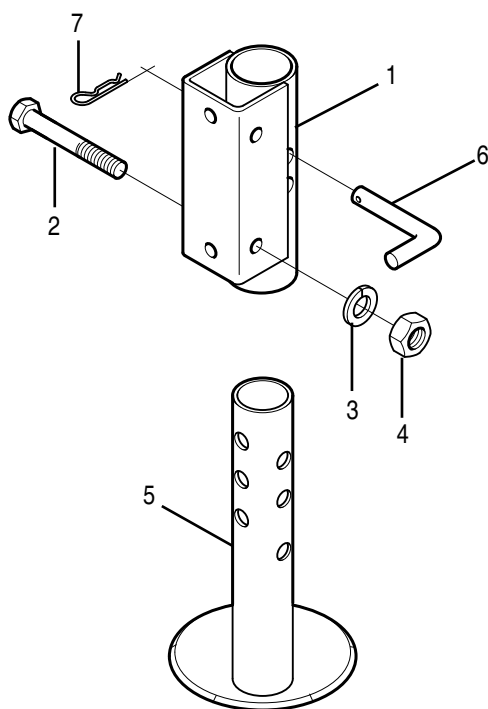
REF. NO.	PART NO.	QTY.	DESCRIPTION
8	95906	2	Hose Holder Weld.
9	44134BH	1	Carriage Bolt 1/2 x 1-3/4" Gr. 5
10	15916	2	Flatwasher 1/2"
11	15806	1	Lockwasher 1/2"
12	8151600	1	Hex Nut 1/2"



END PLATES

For 121, 141, 176 & 181 Series

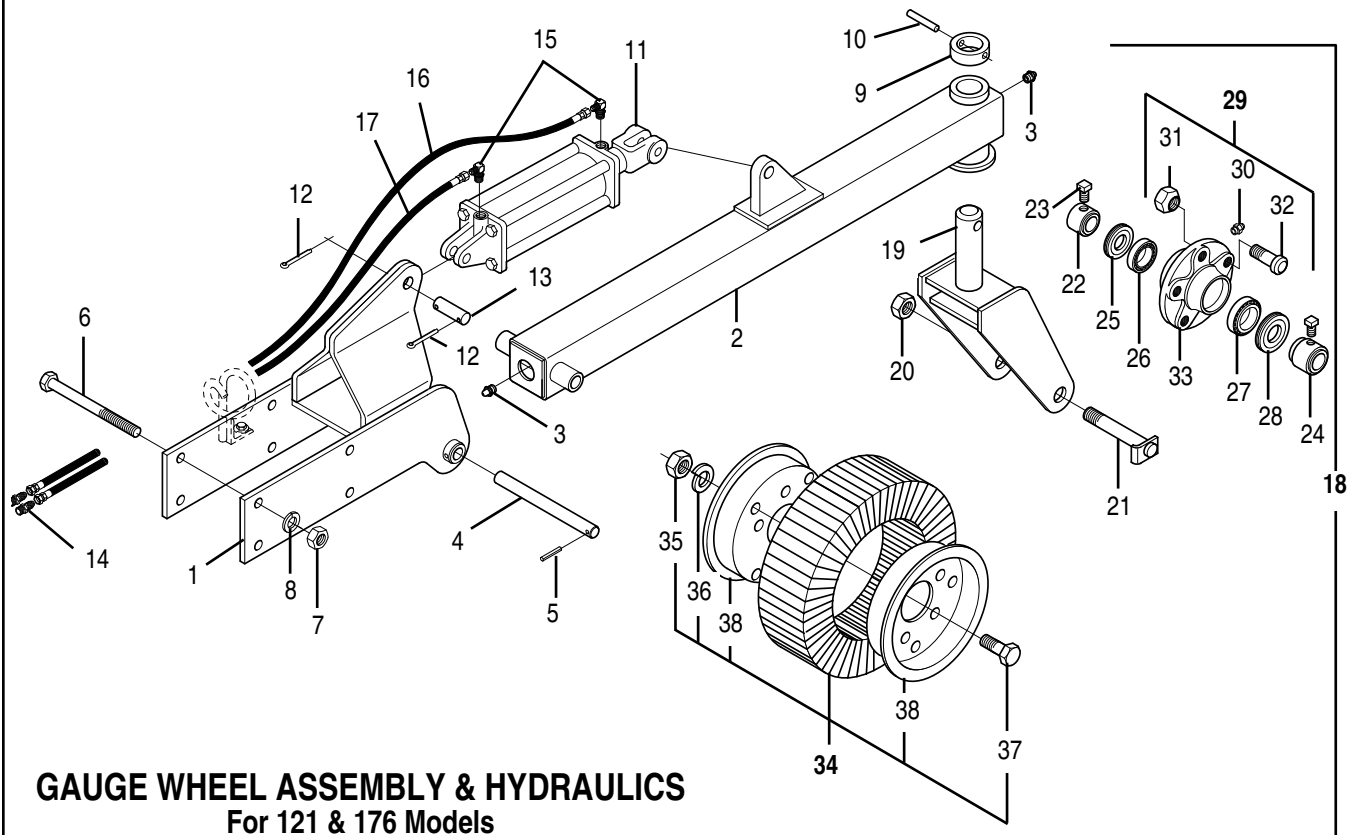
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	95901	1	End Plate, R.H.
2	95902	1	End Plate, L.H. (shown)
3	—	1	Capscrew 5/8" x 2-1/2"
4	20947	3	Capscrew 5/8" x 2"
5	15925	8	Flatwasher 5/8"
6	19486	4	Lockwasher 5/8"
7	15563	4	Hex Nut 5/8"



SKID SHOE

For 121, 141, 176 & 181 Series

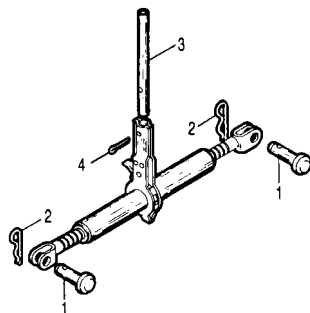
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	89284	1	Shoe Support
2	—	2	Capscrew 3/4" x 6"
3	146	2	Lockwasher 3/4"
4	19517	2	Hex Nut 3/4"
5	89285	1	Shoe
6	89234	1	Pin
7	1273BH	1	Presto Pin



GAUGE WHEEL ASSEMBLY & HYDRAULICS For 121 & 176 Models

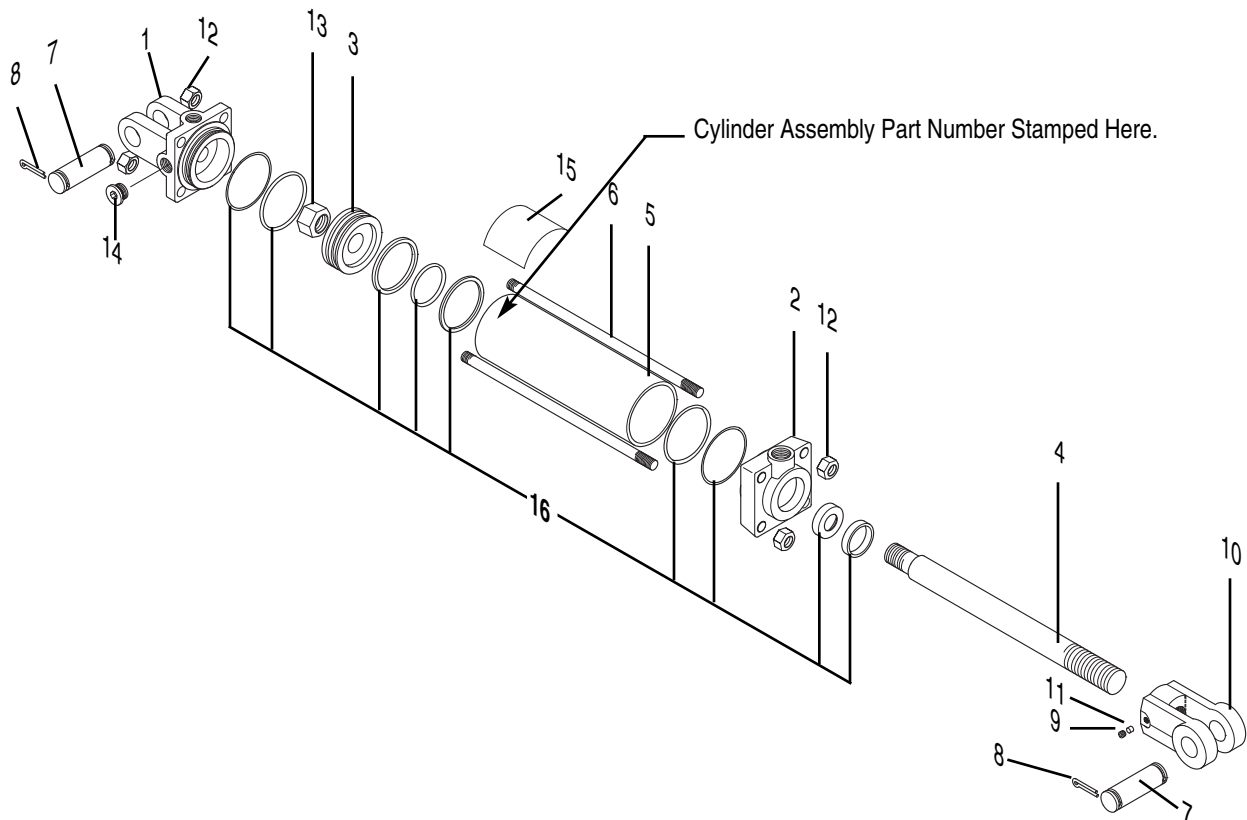
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	95888	1	Mount Weldment
2	95889	1	Beam Assembly
3	449	2	Grease Fitting
4	95886	1	Pivot Pin
5	20803	1	Roll Pin 5/16" x 2"
6	—	4	Capscrew 3/4" x 10" Gr.5
7	—	4	Hex Nut 3/4"
8	—	4	Lockwasher 3/4"
9	81467	1	Spacer
10	52732	1	Spirol Pin 1/2" x 3"
11	50017500	1	Hydraulic Cylinder w/ Decal
12	21020614	4	Cotter Pin 3/16" x 1-1/2"
13	95425	2	Pin 1" Dia.
14	24-6-434	2	Hydraulic Fitting, Male Adapter
15	14-40-98	2	Hydraulic Fitting, 90° Elbow
16	62427	1	Hydraulic Hose Assy. 144"
17	95913	1	Hydraulic Hose Assy. 132"
18	—	1	Caster Assembly (19-38)
19	81464	1	Caster Fork Weldment
20	15521	1	Collar Locknut 1-1/4"

REF. NO.	PART NO.	QTY.	DESCRIPTION
21	1620	1	Spindle
22	1596	1	Small Spacer
23	18141206	2	Set Screw 3/8" x 3/4"
24	1595	1	Large Spacer
25	7967	1	Seal Triple Lip
26	14-6-197	1	Bearing Cup
	50076	1	Bearing Cone
27	14-6-242	1	Bearing Cup
	14-6-241	1	Bearing Cone
28	7968	1	Seal (Triple Lip)
29	1613	1	Hub Assy. w/ Bearing Cups
30	449	1	Grease Fitting
31	15515	5	Lug Nut
32	15445	5	Lug Bolt
33	1612	1	Hub Casting
34	294	1	Wheel Assy. w/ Solid Tire
35	15597	5	Nut 3/8" UNF
36	—	5	Lockwasher 3/8"
37	20126	5	Bolt 3/8" x 1"
38	117	2	Wheel Flange



1817 RATCHET ASSEMBLY

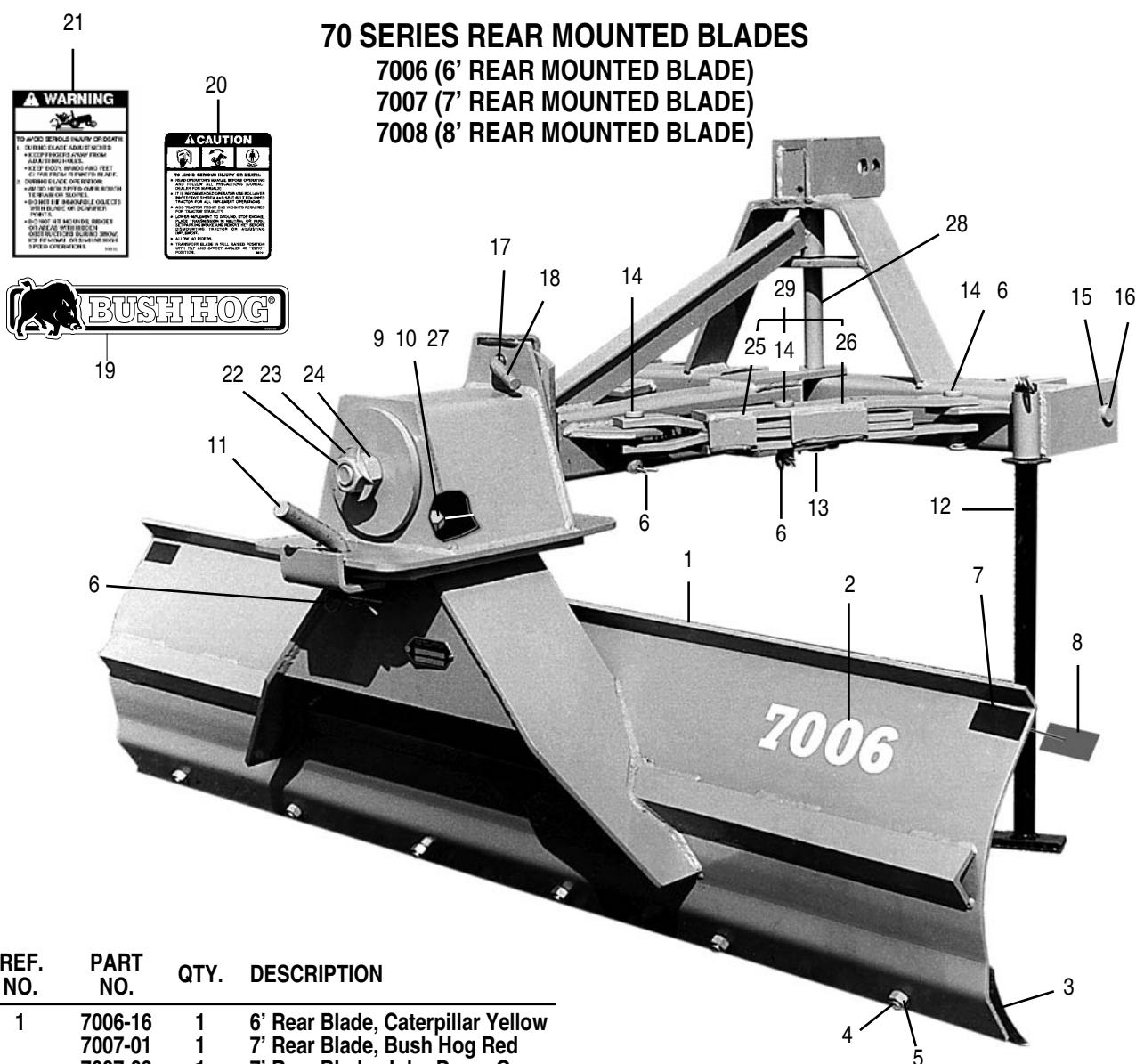
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	1090	2	Clevis Pin
2	1273	2	Presto Pin
3	11810	1	Handle
4	—	1	Cotter Pin



50017500 HYDRAULIC CYLINDER TAILWHEEL ADJUSTING

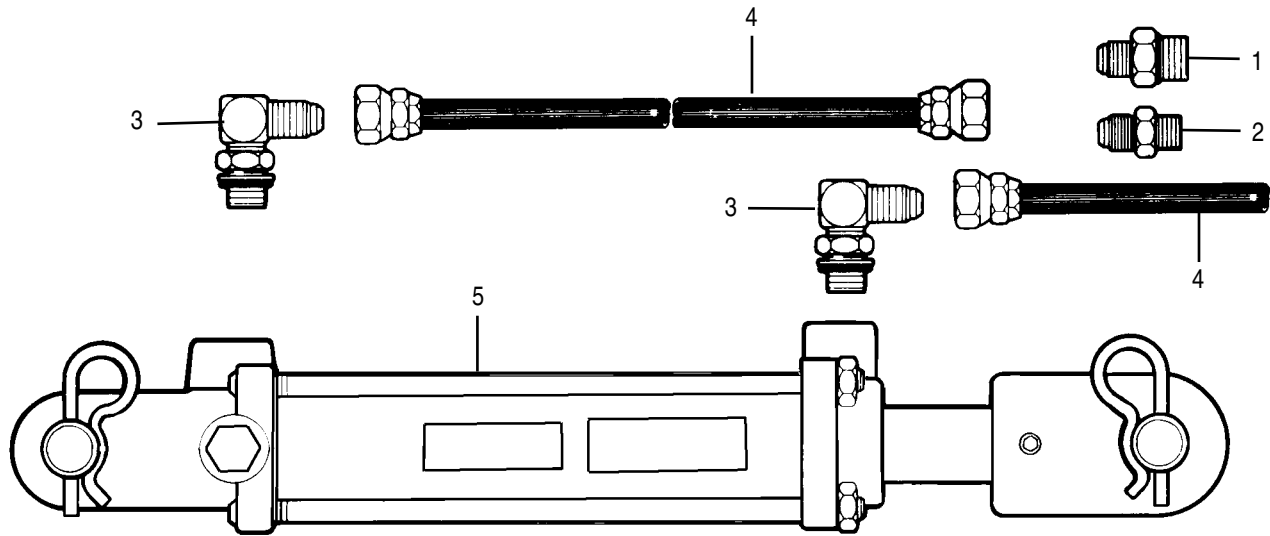
Mfd. by Monarch
 3" Bore x 8" Stroke x 1.25" Rod Dia.
 3/4" - 16 ORB Ports
 121 and 176 Models
 Replaces 95408 Hydraulic Cylinder

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	95440	1	Clevis Cap
2	95439	1	Rod Cap
3	95441	1	Piston
4	95431	1	Rod 1.25" Dia. x 8"
5	95497	1	Cylinder Tube
6	95498	4	Tie Rod
7	95425	2	Pin 1" Dia.
8	21020614	4	Cotter Pin 3/16" x 1 1/2"
9	95433	1	Thread Lock
10	95428	1	Rod Clevis 1" x 1 1/4"
11	95422	1	Set Screw 3/8" x 1/2 Knurled
12	8151600	8	Hex Nut 1/2" UNC
13	95421	1	Hex Nut 1"-14
14	95435	1	Plug 3/4"
15	95423	1	Caution Decal
16	50017622	1	Seal Kit

**70 SERIES REAR MOUNTED BLADES****7006 (6' REAR MOUNTED BLADE)****7007 (7' REAR MOUNTED BLADE)****7008 (8' REAR MOUNTED BLADE)**

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	7006-16	1	6' Rear Blade, Caterpillar Yellow
	7007-01	1	7' Rear Blade, Bush Hog Red
	7007-03	1	7' Rear Blade, John Deere Green
	7007-05	1	7' Rear Blade, Kubota Orange
	7007-14	1	7' Rear Blade, New Holland Blue
	7007-16	1	7' Rear Blade, Caterpillar Yellow
	7008-01	1	8' Rear Blade, Bush Hog Red
	7008-03	1	8' Rear Blade, John Deere Green
	7008-05	1	8' Rear Blade, Kubota Orange
	7008-14	1	8' Rear Blade, New Holland Blue
	7008-16	1	8' Rear Blade, Caterpillar Yellow
2	50050137	1	Model Decal 7006
	50050139	1	Model Decal 7007
	50050141	1	Model Decal 7008
3	95157	1	Cutting Edge 6'
	95158	1	Cutting Edge 7'
	99332	1	Cutting Edge 8'
4	20475	A/R	Plow Bolt 5/8" x 2"
5	15563	A/R	Hex Nut 5/8"
6	50005860	4	Cotter Pin 3/16" X 2-3/4"
7	50031214	2	Red Reflector 2 x 9
8	53315	2	Amber Reflector
9	50024198	1	Capscrew, Modified, 1-1/4" x 4" Gr.8 Plain
10	15521	1	Locknut 1 1/4"

REF. NO.	PART NO.	QTY.	DESCRIPTION
11	99333	1	Pivot Pin
12	50044179	1	Jackstand Assembly
13	—	1	Cotter Pin 5/16" x 2 1/2"
14	99334	3	Pin Jack Pin 1" X 3 1/2"
15	99342	2	Pull Pin Cat. I & II
16	2850005	2	Lynch Pin
17	50039221	1	Hair Pin 3/16" x 3-1/2"
18	50039219	1	Pin, Tilt 3/4" x 4"
19	50058089	2	Bush Hog Decal
20	89141	1	Caution Decal
21	90959	1	Warning Decal
22	20886	1	Jam Nut 1 1/4"
23	50018937	1	Tab Washer 1 1/4"
24	8154000	1	Hex Nut 1 1/4"
25	99326	1	Pin Jack, Male
26	99330	1	Pin Jack, Female
27	21020820	1	Cotter Pin 1/4" x 2"
28	50026887	1	Pin, "A" Frame, 1-1/4" Painted
29	50026886	1	Pin Jack Assembly

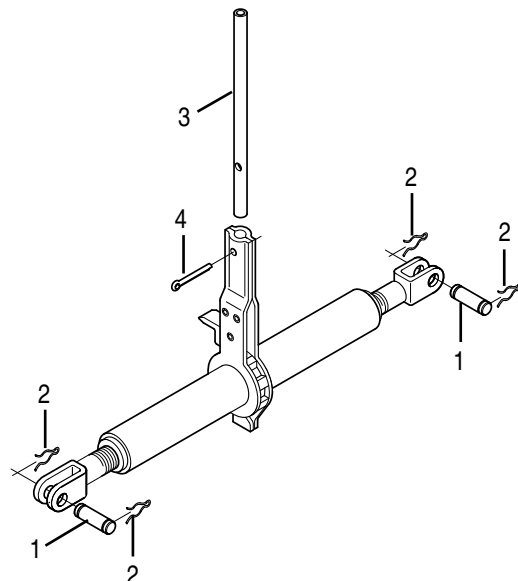


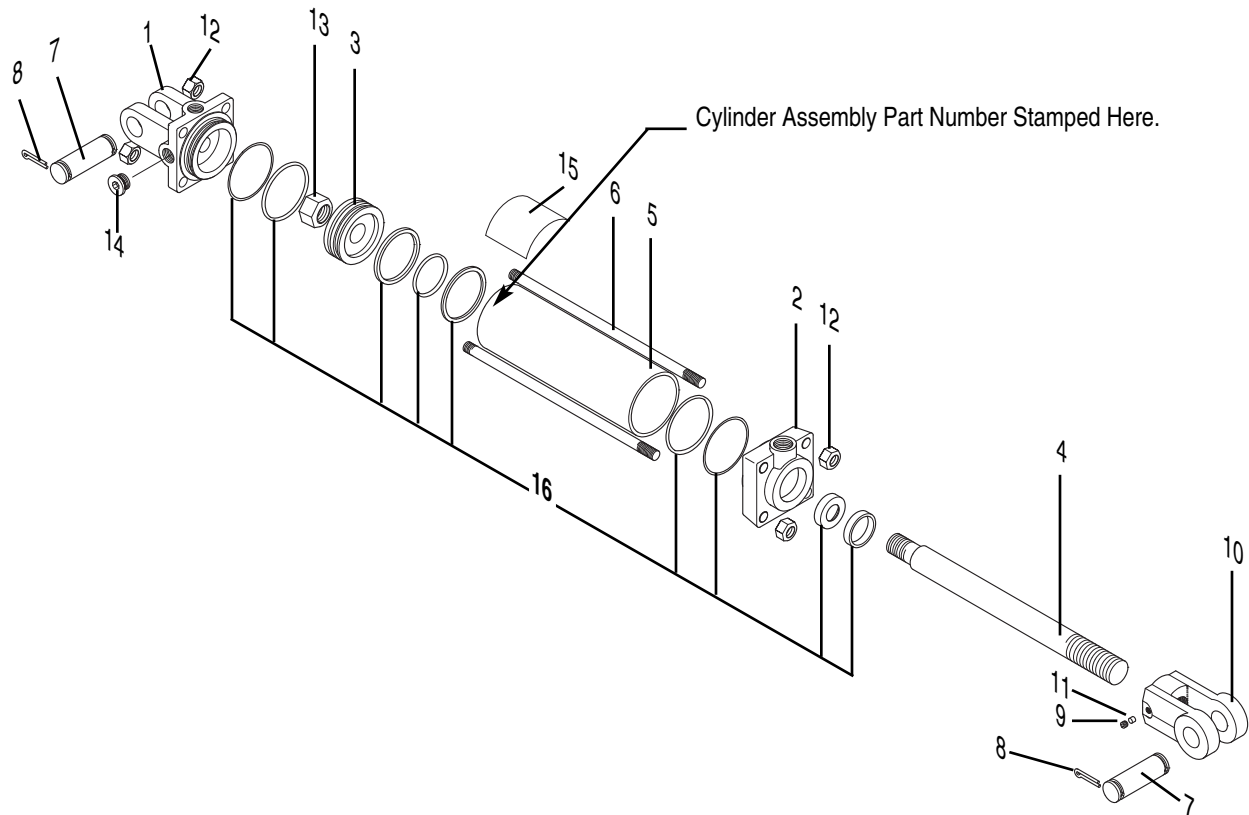
97978 HYDRAULIC CYLINDER KIT 70 Series Rear Blade

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	53340	2	Adaptor 9/16" JIC to 3/4" SAE
2	24-6-434	2	Adaptor 9/16" JIC to 1/2" NPT
3	14-40-98	2	90° Elbow 3/4" ORB to 9/16" JIC
4	62427	2	Hydraulic Hose 144"
5	50017492	1	Hydraulic Cylinder Assy. (See Next Page)

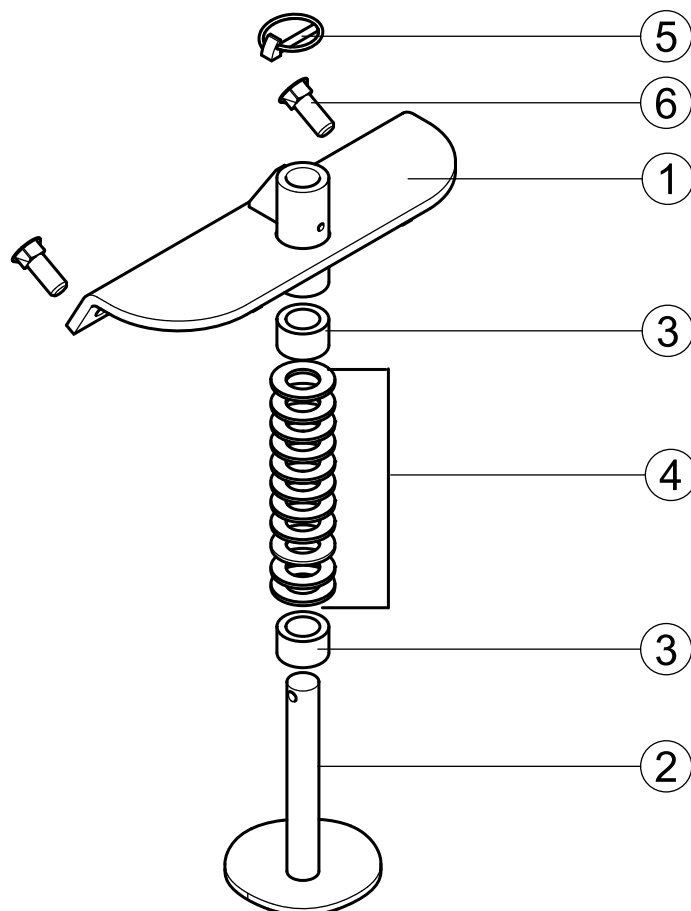
1817 RATCHET ASSEMBLY 70 Series Rear Blade

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	50028265	2	Clevis Pins
2	50028264	4	Clip Pin
3	11810	1	Handle
4	—	1	Cotter Pin 1/4" x 1-3/4"



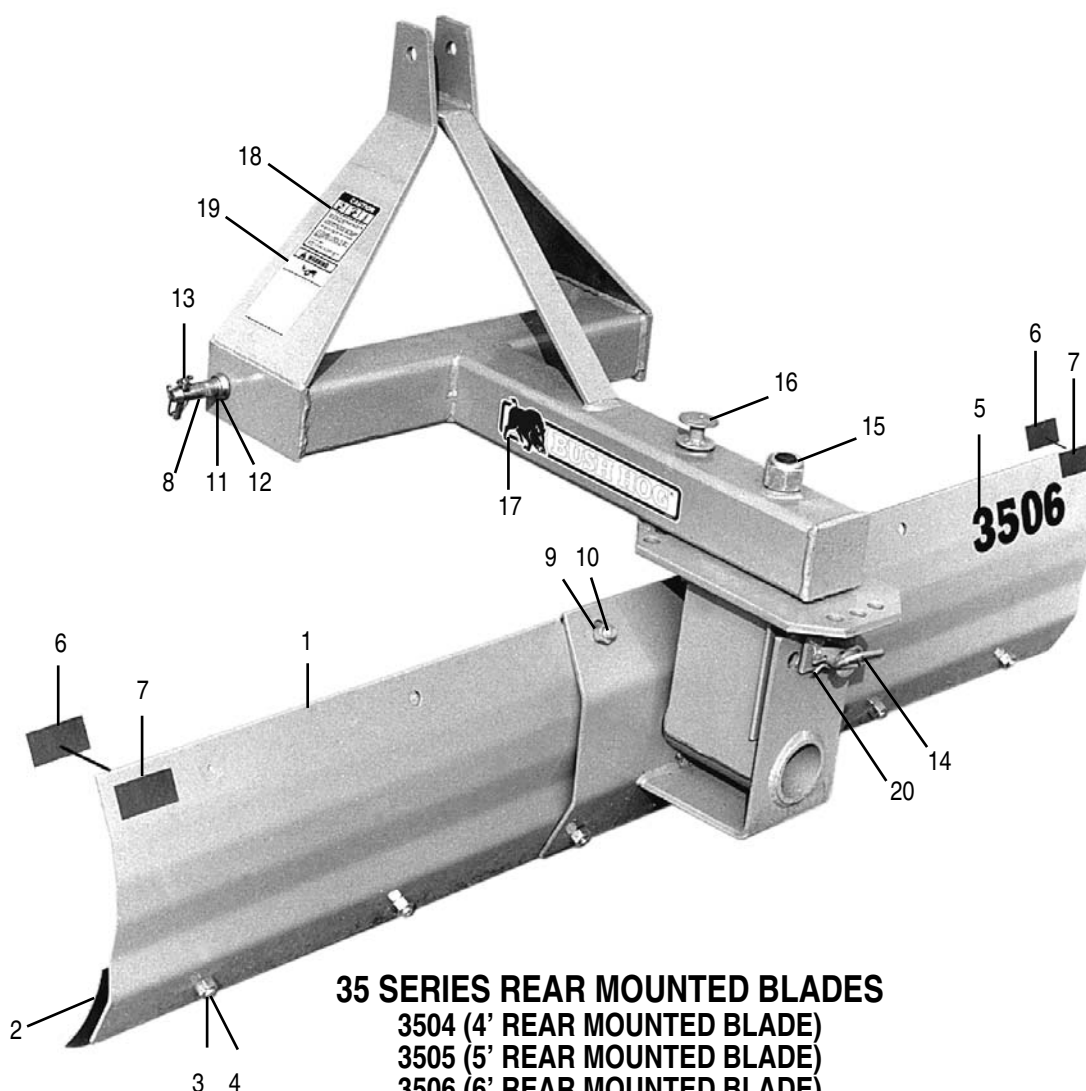
**50017492 HYDRAULIC CYLINDER****70 Series Rear Blade****Mfd. by Monarch****2" Bore x 8" Stroke 1.125" Rod Dia.****3/4" - 16 ORB Ports****Replaces 95398 Hydraulic Cylinder**

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	95458	1	Clevis Cap
2	95457	1	Rod Cap
3	95460	1	Piston
4	95459	1	Rod 1.125" Dia.
5	95454	1	Cylinder Tube
6	95455	4	Tie Rod
7	95425	2	Pin 1" Dia.
8	21020614	4	Cotter Pin 3/16" x 1 1/2"
9	95433	1	Thread Lock
10	95456	1	Rod Clevis 1.125" x 1"
11	95422	1	Set Screw 3/8" x 1/2 Knurled
12	8151200	8	Hex Nut 3/8"
13	95452	1	Hex Nut 3/4" UNF
14	95435	1	Plug 3/4"
15	95423	1	Caution Decal
16	50017620	1	Seal Kit



SKID SHOE
70 Series Rear Blade

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	50072394	Mounting Bracket Weld.	1
2	50072393	Skid Shoe Weldment	1
3	50072392	Spacer 1"	2
4	45057BH	Washer SAE 1"	11
5	50022926	Lynch Pin	1
6	50072330	Plow Bolt 5/8" x 1-3/4"	2



35 SERIES REAR MOUNTED BLADES

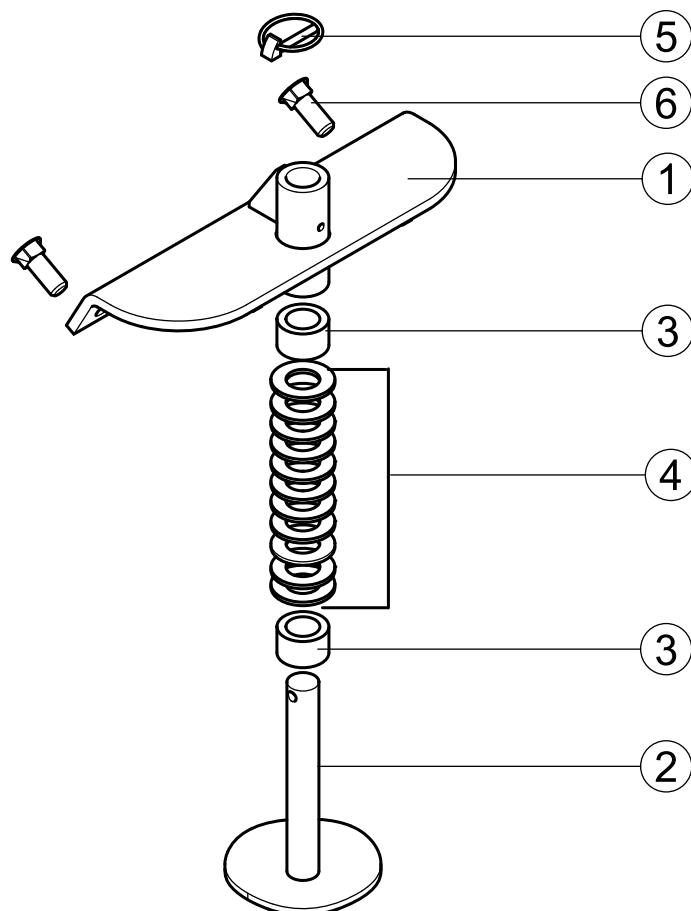
3504 (4' REAR MOUNTED BLADE)

3505 (5' REAR MOUNTED BLADE)

3506 (6' REAR MOUNTED BLADE)

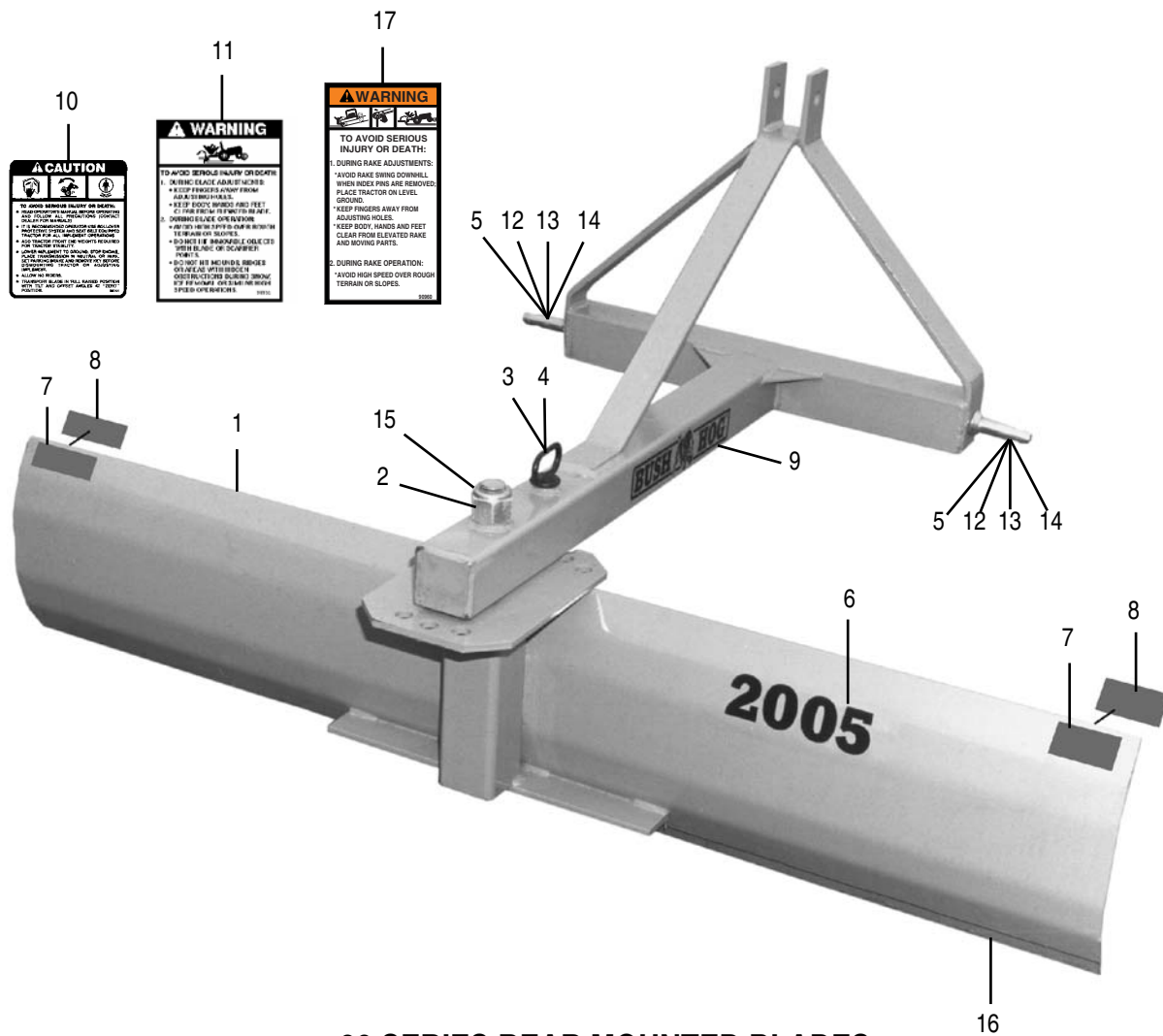
3507 (7' REAR MOUNTED BLADE)

REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	3504-16	1	4' Rear Blade, Caterpillar Yellow	4	—	A/R	Hex Nut 5/8"
	3505-01	1	5' Rear Blade, Bush Hog Red	5	50050125	1	Model Decal, 3504
	3505-03	1	5' Rear Blade, John Deere Green		50050127	1	Model Decal, 3505
	3505-05	1	5' Rear Blade, Kubota Orange		50050129	1	Model Decal, 3506
	3505-14	1	5' Rear Blade, New Holland Blue		50050131	1	Model Decal, 3507
	3505-16	1	5' Rear Blade, Caterpillar Yellow	6	53315	2	Amber Reflector
	3506-01	1	6' Rear Blade, Bush Hog Red	7	50031214	2	Red Reflector 2 x 9
	3506-03	1	6' Rear Blade, John Deere Green	8	63765	2	Lift Pin, Cat I
	3506-05	1	6' Rear Blade, Kubota Orange	9	15598	A/R	Locknut 5/8"
	3506-14	1	6' Rear Blade, New Holland Blue	10	—	A/R	Capscrew 5/8" x 1-1/2"
	3506-16	1	6' Rear Blade, Caterpillar Yellow	11	—	2	Hex Nut 7/8" NF
	3507-01	1	7' Rear Blade, Bush Hog Red	12	—	2	Lockwasher 7/8"
	3507-03	1	7' Rear Blade, John Deere Green	13	2850005	2	Lynch Pin
	3507-05	1	7' Rear Blade, Kubota Orange	14	50039219	1	Bent Tilt Pin, 3/4" x 4"
	3507-14	1	7' Rear Blade, New Holland Blue	15	15521	1	Locknut 1-1/4"
	3507-16	1	7' Rear Blade, Caterpillar Yellow	16	50039207	1	Index Pin, 3/4" x 6-1/2"
2	95154	1	48" Cutting Edge	17	50058089	2	Bush Hog Decal
	95155	1	60" Cutting Edge	18	89141	1	Caution Decal
	95157	1	72" Cutting Edge	19	90959	1	Warning Decal
	95158	1	84" Cutting Edge	20	50005860	2	Cotter Pin .148"
3	20475	A/R	Plow Bolt 5/8" x 2"				



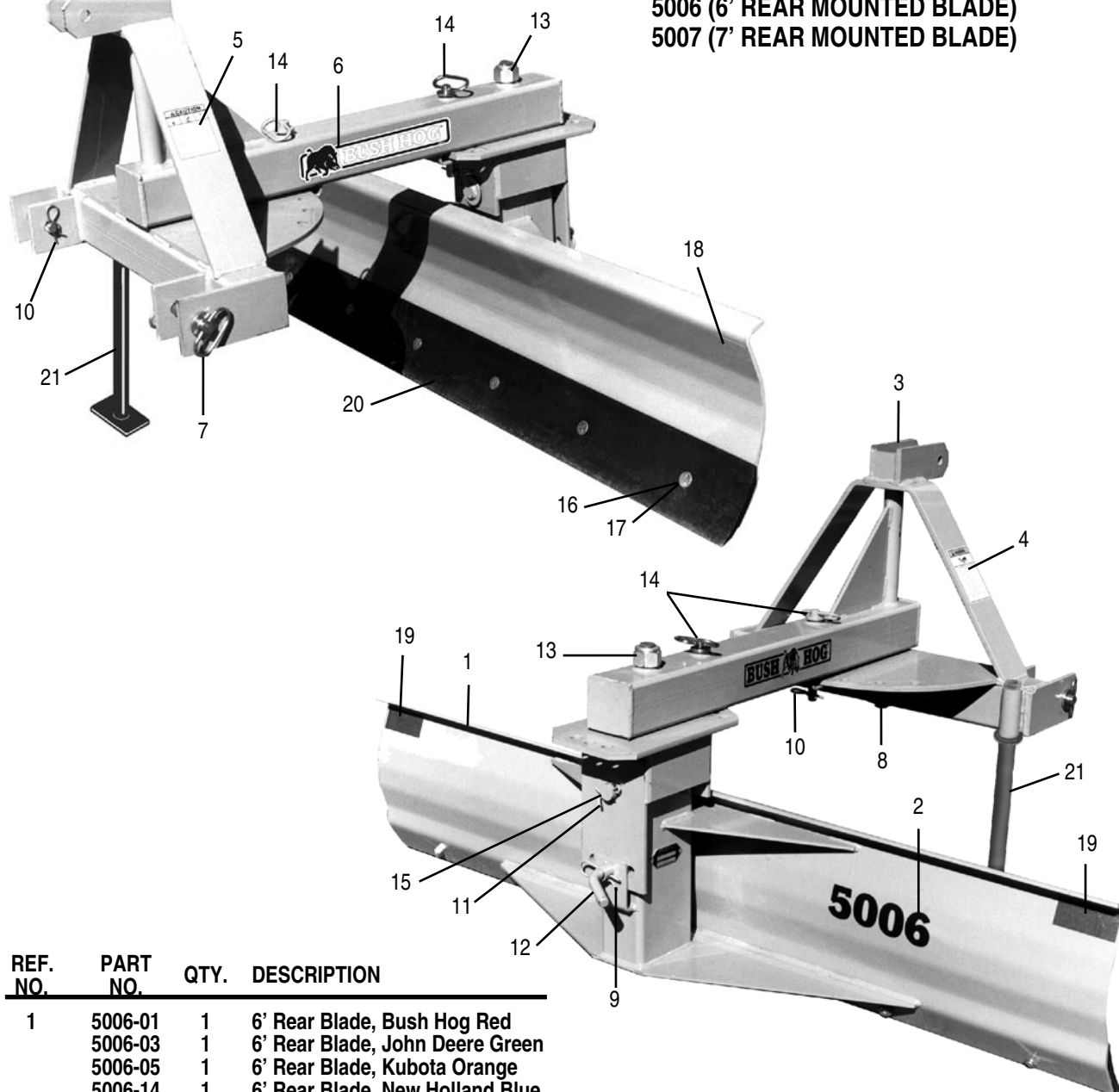
SKID SHOE
35 Series Rear Blade

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	50072394	Mounting Bracket Weld.	1
2	50072393	Skid Shoe Weldment	1
3	50072392	Spacer 1"	2
4	45057BH	Washer SAE 1"	11
5	50022926	Lynch Pin	1
6	50072330	Plow Bolt 5/8" x 1-3/4"	2



20 SERIES REAR MOUNTED BLADES
2004 (4' REAR MOUNTED BLADE)
2005 (5' REAR MOUNTED BLADE)
2006 (6' REAR MOUNTED BLADE)

REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	2004-16	1	4' Rear Blade, Caterpillar Yellow	7	53315	1	Amber Reflector
	2005-01	1	5' Rear Blade, Bush Hog Red	8	50031213	2	Red Reflector
	2005-03	1	5' Rear Blade, John Deere Green	9	97976	2	Bush Hog Decal
	2005-05	1	5' Rear Blade, Kubota Orange	10	89141	1	Caution Decal
	2005-14	1	5' Rear Blade, New Holland Blue	11	90959	1	Warning Decal
	2005-16	1	5' Rear Blade, Caterpillar Yellow	12	44061	2	Hex Nut 7/8" NF
	2006-16	1	6' Rear Blade, Caterpillar Yellow	13	—	2	Lockwasher 7/8"
2	15521	1	Locknut 1-1/4"	14	2850005	2	Lynch Pin
3	20395	1	Hair Pin 3/16"	15	—	1	Flatwasher 1-1/4"
4	98182	1	Pull Pin 3/4"	16	50027978	1	4' Cutting Edge
5	63765	2	Lift Pin, Cat I, II		50027979	1	5' Cutting Edge
6	50050119	1	Model Decal, 2004		50027980	1	6' Cutting Edge
	50050121	1	Model Decal, 2005	17	90960	1	Warning Decal
	50050123	1	Model Decal, 2006				

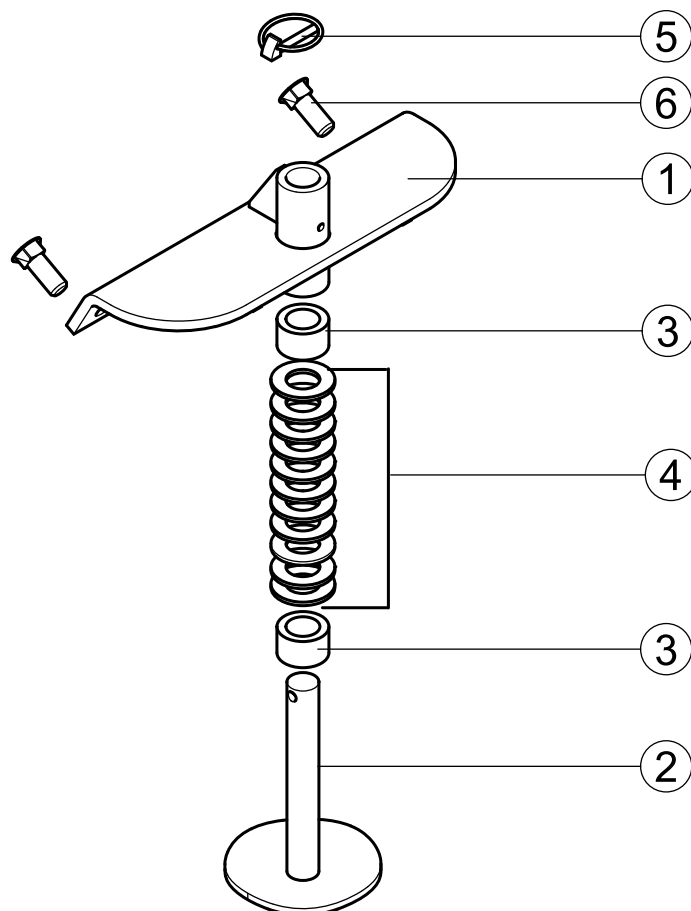
50 SERIES REAR MOUNTED BLADES**5006 (6' REAR MOUNTED BLADE)****5007 (7' REAR MOUNTED BLADE)**

REF. NO.	PART NO.	QTY.	DESCRIPTION
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1	5006-01	1	6' Rear Blade, Bush Hog Red
	5006-03	1	6' Rear Blade, John Deere Green
	5006-05	1	6' Rear Blade, Kubota Orange
	5006-14	1	6' Rear Blade, New Holland Blue
	5006-16	1	7' Rear Blade, Caterpillar Yellow
	5007-01	1	7' Rear Blade, Bush Hog Red
	5007-03	1	7' Rear Blade, John Deere Green
	5007-05	1	7' Rear Blade, Kubota Orange
	5007-14	1	7' Rear Blade, New Holland Blue
2	50050133	1	Model No. Decal 5006
	50050135	1	Model No. Decal 5007
3	50039215	1	Pin "A" Frame 1-1/4" x 20"
4	90959	1	Warning Decal
5	89141	1	Caution Decal
6	50058089	1	Bush Hog Decal
7	95121	2	Pull Pin 7/8" x 4-1/4"
8	15663	1	Cotter Pin 5/16" x 2-1/2"
9	50039221	1	Hair Pin .177" x 3-11/16"

REF. NO.	PART NO.	QTY.	DESCRIPTION
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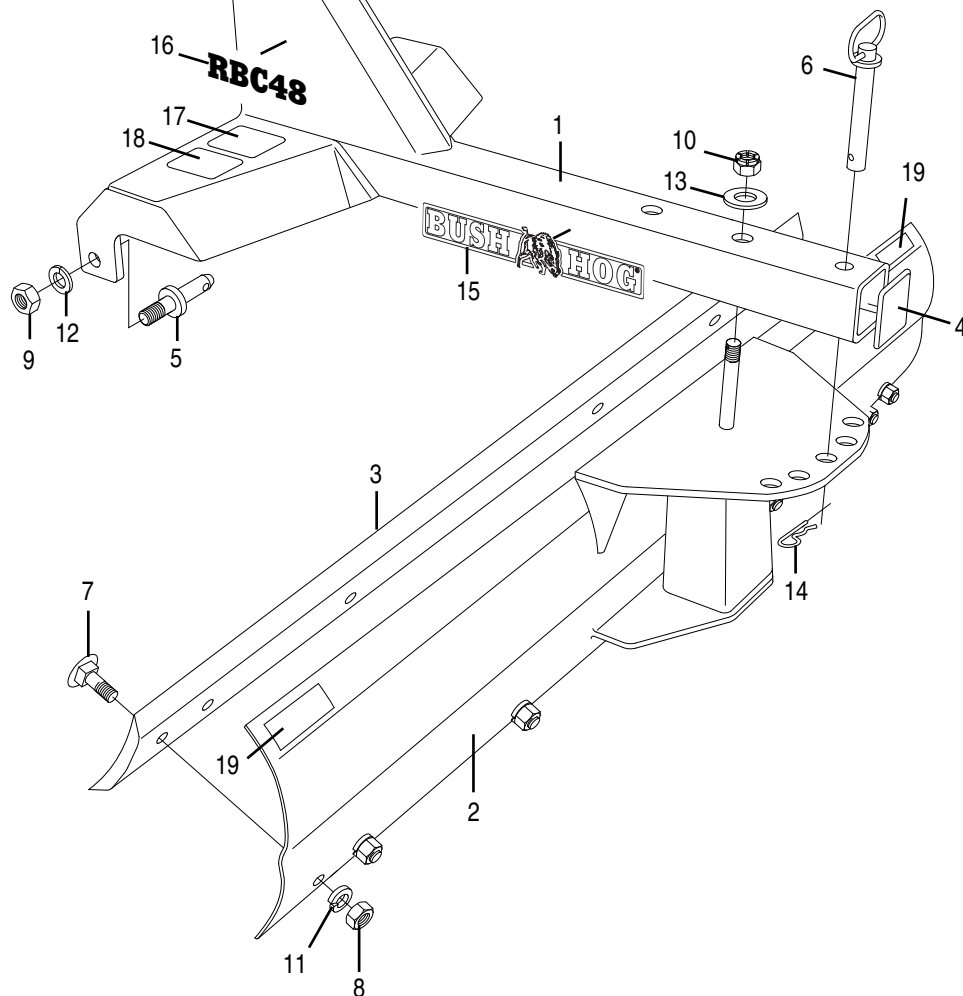
10	50005860	4	Hair Pin .148" x 2-3/4"
11	21020820	1	Cotter Pin 1/4" x 2"
12	50039219	1	Tilt Adjustment Pin 3/4" x 3-1/4" x 4"
13	15521	1	Locknut 1-1/4" Collarlock
14	50039207	2	Index Pull Pin 3/4" x 3-1/4" x 4"
15	50039222	1	Tilt Pivot Pin 1-1/4" x 8-3/8"
16	20475	6/7	Plow Bolt 5/8" x 2"
17	44336	6/7	Hex Nut 5/8"
18	53315	2	Amber Reflector
19	50031214	2	Red Reflector 2 x 9
20	95157	1	Cutting Edge 6'
	95158	1	Cutting Edge 7'
21	50044146	1	Jackstand Assembly



SKID SHOE
50 Series Rear Blade

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	50072394	Mounting Bracket Weld.	1
2	50072393	Skid Shoe Weldment	1
3	50072392	Spacer 1"	2
4	45057BH	Washer SAE 1"	11
5	50022926	Lynch Pin	1
6	50072330	Plow Bolt 5/8" x 1-3/4"	2

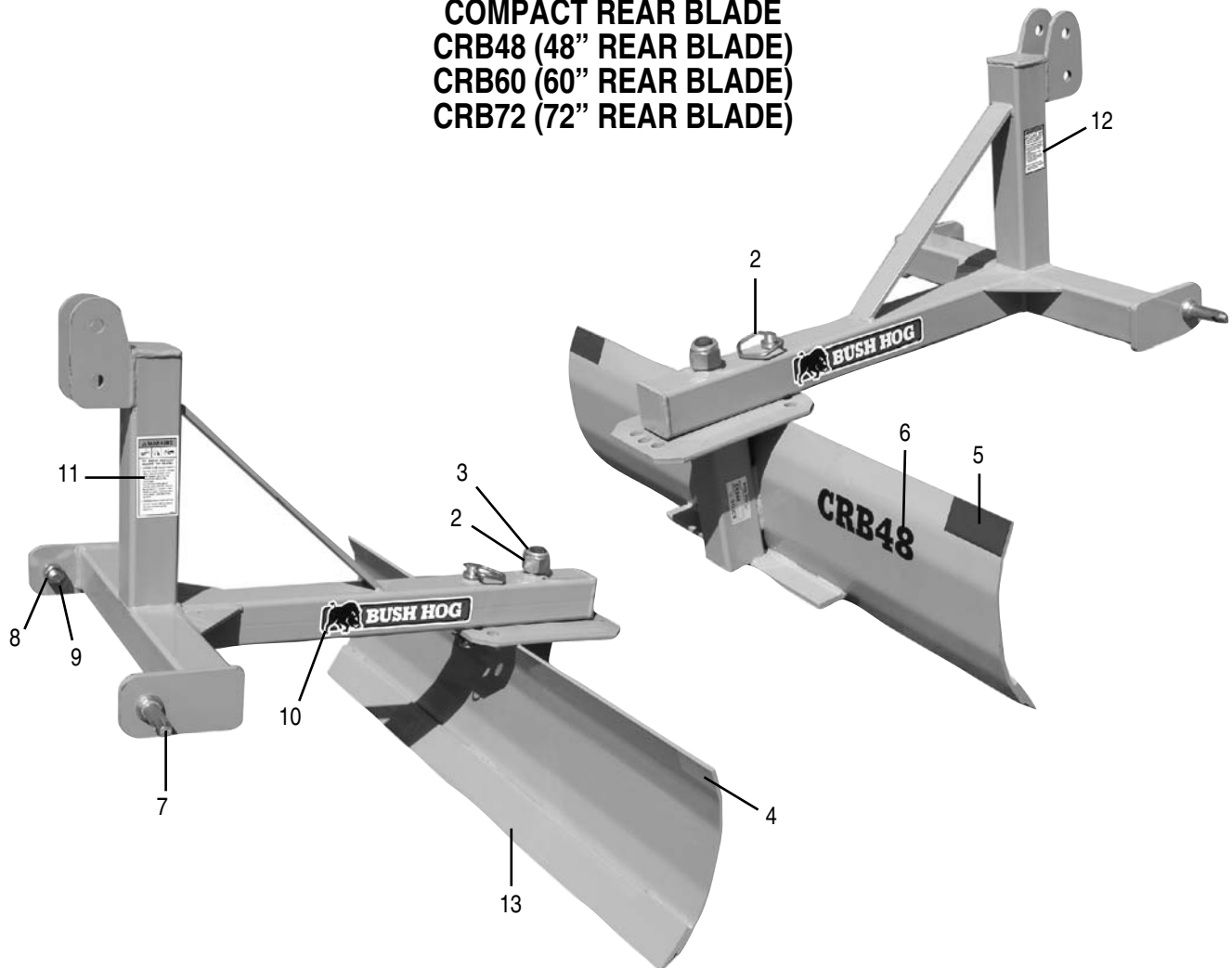
REAR BLADE **RBC48 (48" REAR BLADE)** **RBC60 (60" REAR BLADE)**



REF. NO.	PART NO.	QTY.	DESCRIPTION
	RBC48-03	1	48" Rear Blade, John Deere Green
	RBC48-05	1	48" Rear Blade, Kubota Orange
	RBC48-14	1	48" Rear Blade, New Holland Blue
	RBC48-21	1	48" Rear Blade, MF Red
	RBC60-03	1	60" Rear Blade, John Deere Green
	RBC60-05	1	60" Rear Blade, Kubota Orange
	RBC60-14	1	60" Rear Blade, New Holland Blue
	RBC60-21	1	60" Rear Blade, MF Red
1	50047581	1	A-Frame Weldment
2	50047579	1	Moldboard Weldment, 48"
	50047580	1	Moldboard Weldment, 60"
3	50058099	1	Cutting Edge, 48"
	50058098	1	Cutting Edge, 60"
4	50047575	2	Plastic Cap
5	63765	2	Lift Pin, Cat. 1

REF. NO.	PART NO.	QTY.	DESCRIPTION
6	95121	1	Pull Pin, 7/8" x 4-1/4"
7	20912	A/R	Plow Bolt, 5/8" x 1-1/2"
8	15563	A/R	Hex Nut 5/8"
9	44061	2	Hex Nut 7/8" NF
10	44149	1	Lock Nut 7/8"
11	—	A/R	Lockwasher 5/8"
12	—	2	Lockwasher 7/8"
13	—	1	Flatwasher 7/8"
14	50005860	1	Cotter Pin
15	97976	2	Bush Hog Decal, 12.00"
16	50047298	2	Model Decal, RBC48
	50047299	2	Model Decal, RBC60
17	89141	1	Caution Decal
18	89142	1	Warning Decal
19	50031213	2	Red Reflector

**COMPACT REAR BLADE
CRB48 (48" REAR BLADE)
CRB60 (60" REAR BLADE)
CRB72 (72" REAR BLADE)**

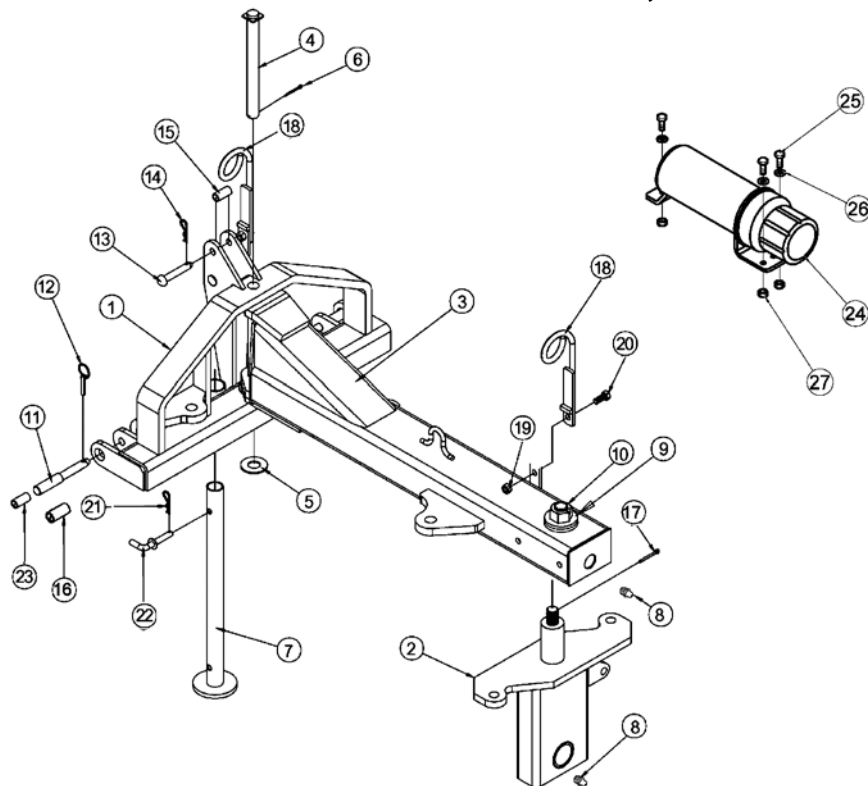


REF. NO.	PART NO.	QTY.	DESCRIPTION
	CRB48-01	1	48" BH Red Rear Blade, Compact
	CRB48-03	1	48" JD Green Rear Blade, Compact
	CRB48-05	1	48" Kub Orange Rear Blade, Compact
	CRB48-14	1	48" NH Blue Rear Blade, Compact
	CRB48-16	1	48" Cat. Yellow Rear Blade, Compact
	CRB60-01	1	60" BH Red Rear Blade, Compact
	CRB60-03	1	60" JD Green Rear Blade, Compact
	CRB60-05	1	60" Kub Orange Rear Blade, Compact
	CRB60-14	1	60" NH Blue Rear Blade, Compact
	CRB60-16	1	60" Cat. Yellow Rear Blade, Compact
	CRB72-01	1	72" BH Red Rear Blade, Compact
	CRB72-03	1	72" JD Green Rear Blade, Compact
	CRB72-05	1	72" Kub Orange Rear Blade, Compact
	CRB72-14	1	72" NH Blue Rear Blade, Compact
	CRB72-16	1	72" Cat. Yellow Rear Blade, Compact
1	99343	1	Tilt / Pull Pin Assembly 3/4" x 4-1/2"
2	15521	1	Lock Nut 1-1/4" Gr. C Collar
3	20570	1	Flatwasher 1-1/4"
4	53315	2	Amber Reflector
5	50031214	2	Red Reflector 2 x 9

REF. NO.	PART NO.	QTY.	DESCRIPTION
6	50058139	1	Model Decal, CRB48
	50058148	1	Model Decal, CRB60
	50058156	1	Model Decal, CRB72
7	63765	2	Lift Pin, Cat 1
8	—	2	Lockwasher 7/8"
9	44061	2	Hex Nut 7/8" UNF
10	50058089	2	Decal, Bush Hog, 11.00"
11	50057097	1	Caution Decal
12	90960	1	Warning Decal
13	50027978	1	4' Cutting Edge (Weld-on)
	50027979	1	5' Cutting Edge (Weld-on)
	50027980	1	6' Cutting Edge (Weld-on)

MAINFRAME ASSEMBLY

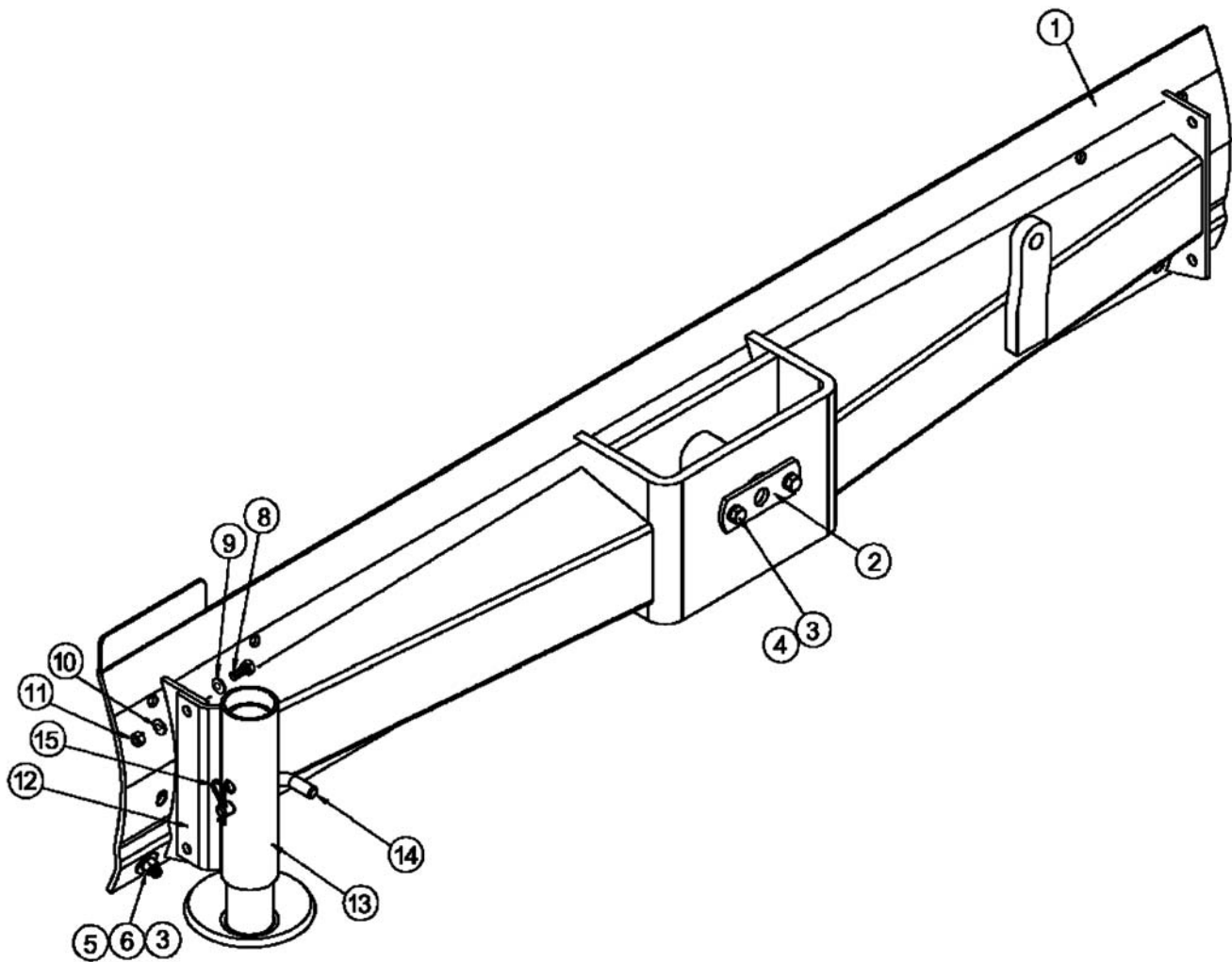
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00768200	A-Frame	1
2	00768175	Moldboard Carrier	1
3	00768180	Mainframe	1
4	00768212	Mainframe Pivot Pin	1
5	15B2400	Flatwasher	1
6	00036900	Cotter Pin 1/4 x 2-1/2	1
7	0831140000	Support Stand	1
8	4720	Grease Fitting	2
9	59113	Washer Spacer	1
10	5D2460	Slotted Nut 1-1/2 NC Plated	1
11	0781080000	Hitch Pin (Cat .1 & 2)	2
12	2196	Retaining Pin	2
13	00777548	Top Link Pin	1
14	37107B13	Hairpin Clip	2
15	441029	Top Link Bushing	1
16	0781340000	Bushing (For Cat. 2, QH)	2
17	N/A	Bushing (5/16 x 3 Cotterpin)	1
18	0691320100	Weldment, Hydraulic Hose Bracket	2
19	00695100	Toplock Nut 5/8 NC	2
20	N/A	Bolt 5/8 NC x 1-1/2 PI 5	2
21	2192	Clip	1
22	69112	Lock Pin	1
23	00779815	Lower Cat .1(QH)	2
24	00776031	Canister, Parts Manual	1
25	N/A	Capscrew, 1/4 x 3/4 Gr 5	3
26	N/A	Washer, Flat 1/4	3
27	N/A	Nut, Lock 1/4	3

MOLDBOARD ASSEMBLY

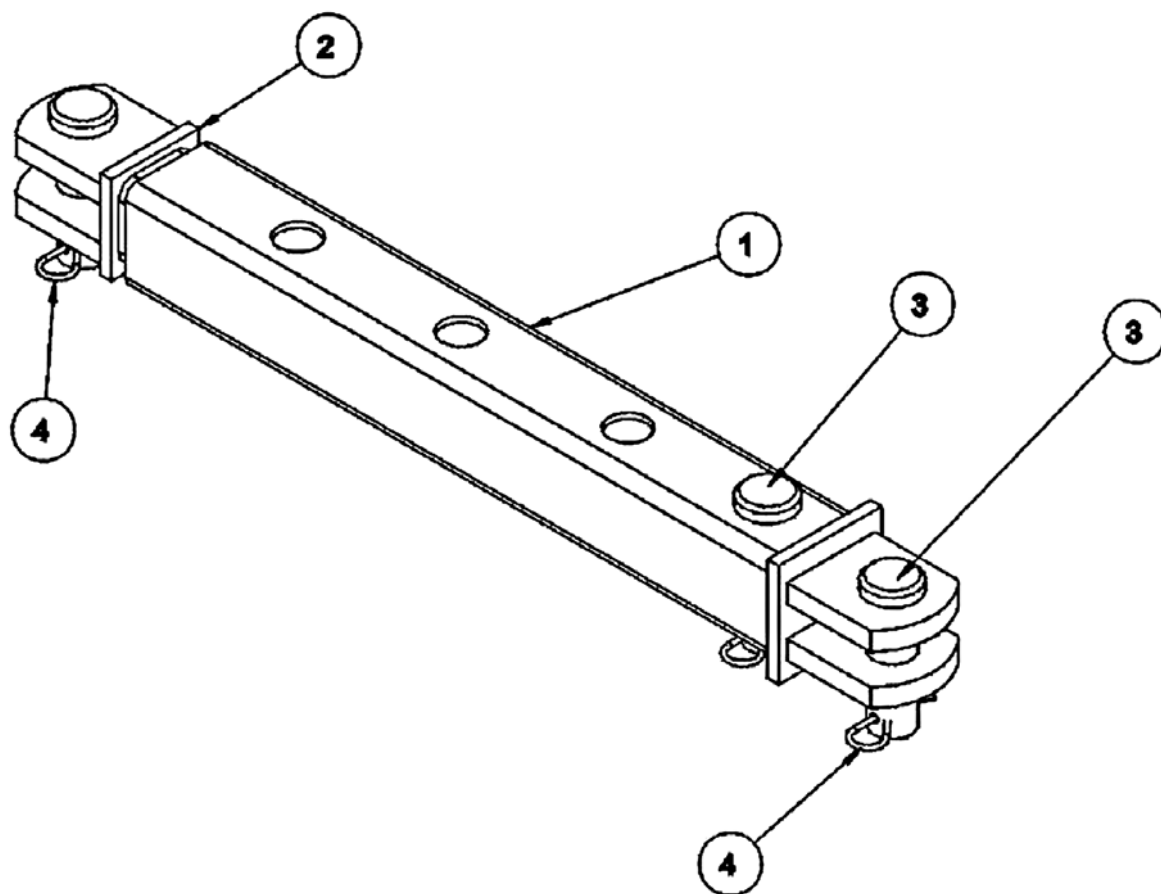
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	N/A	Moldboard (8')	1
	N/A	Moldboard (9')	1
2	00768491	Moldboard Pivot Pin	1
3	N/A	Lockwasher	12
4	00752658	Bolt	2
5	2A3101116	Plow Bolt	9
6	00010400	Hex Nut	9
7	441111	Grader Blade (8')	1
	0597070002	Grader Blade (9')	1
8	02845500	Bolt	4
9	N/A	Flatwasher	4
10	00010300	Lockwasher	4
11	00010400	Nut	4
12	00768246	Skid Shoe Mount	2
13	00768243	Skid Shoe	2
14	00768249	Adjusting Pin	2
15	37107B13	Cotter Pin	2

MANUAL ADJUSTING LINK - PIVOT & SWING

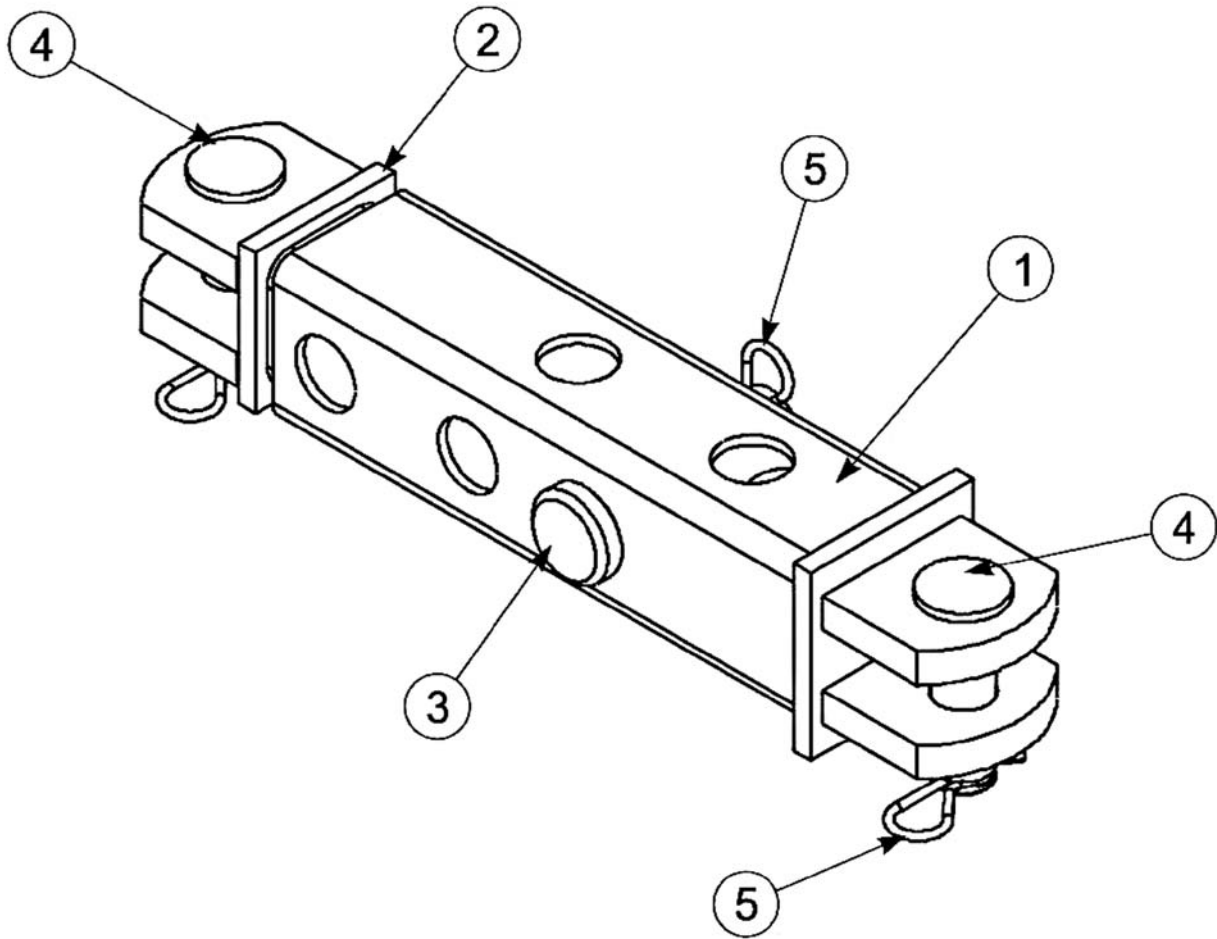
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00768251	Adjusting Link Outer	1
2	00768252	Adjusting Link Inner	1
3	00768269	Clevis Pin	3
4	2192	Hair Pin Cotter	3

MANUAL ADJUSTING LINK - TILT

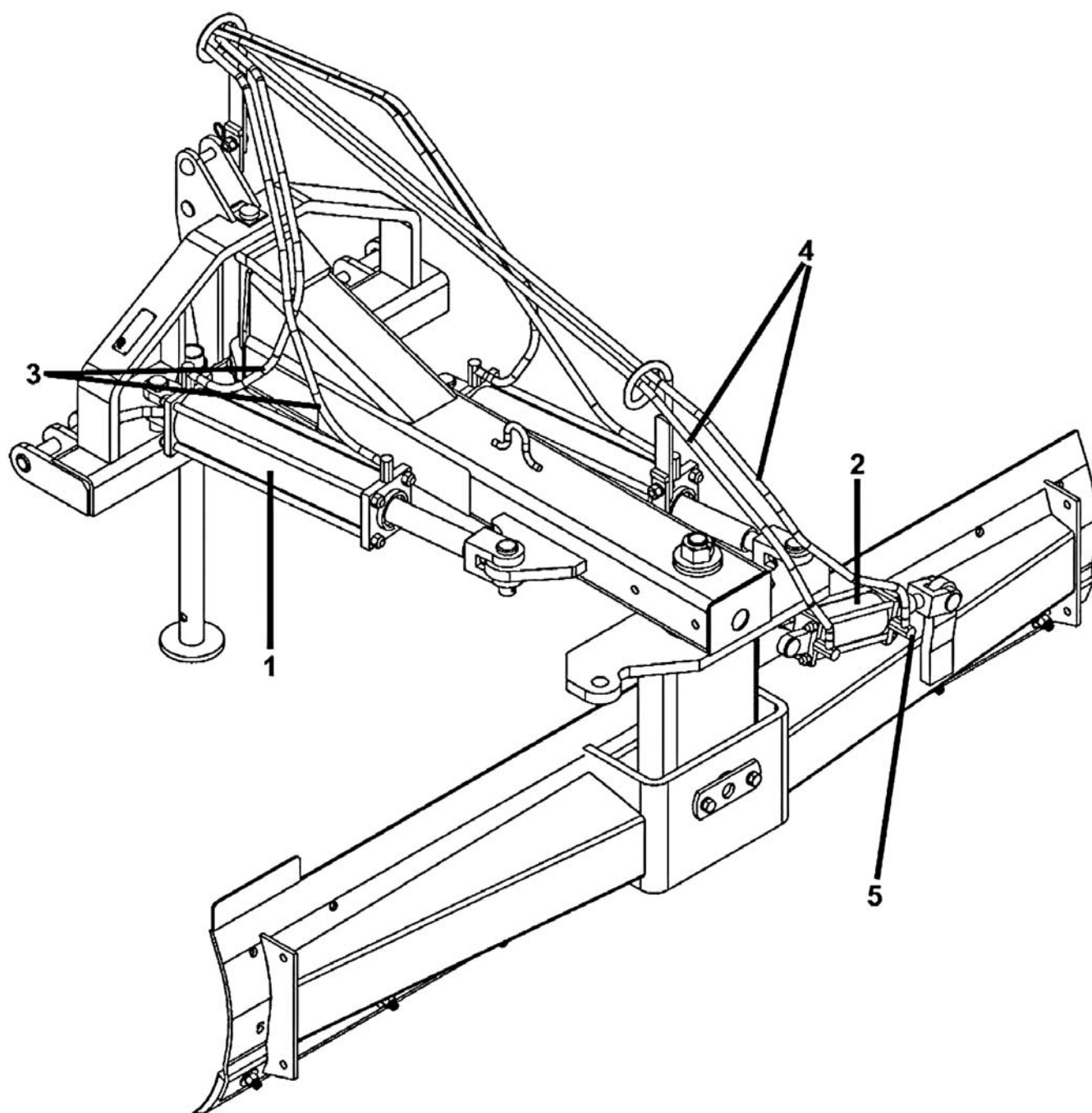
100 SERIES MODELS 100-08, 100-09



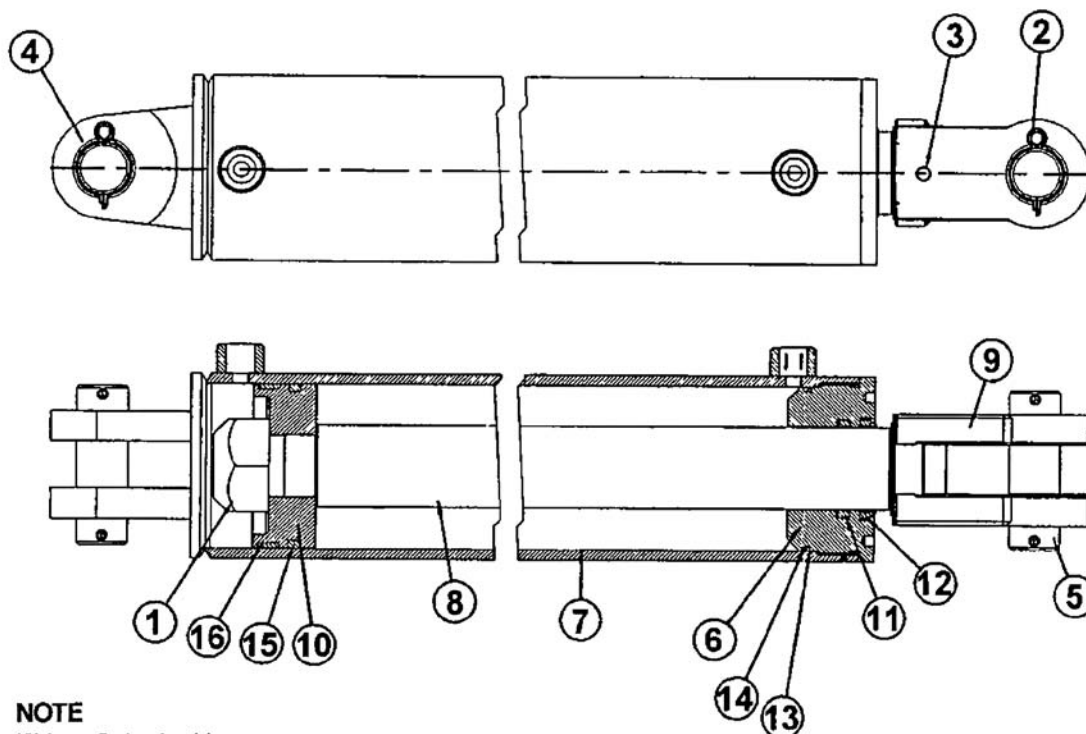
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00768271	Adjusting Link Outer	1
2	00768272	Adjusting Link Inner	1
3	00768269	Clevis Pin 1-1/4 x 4	1
4	691154	Clevis Pin	2
5	2192	Hair Pin Cotter	3

HYDRAULICS

100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0691600000B	Hydraulic Cylinder (Swing and Pivot)	1
2	00759715A	Hydraulic Cylinder (Tilt)	1
3	00775908	Hydraulic Hose 96" #6-8MP x 8MP	2
4	651132	Hydraulic Hose 144" #6 - 8MP x 8MP	2
5	11565	Elbow Adapter 8MP x 8FP 90°	2

HYDRAULIC CYLINDER - SWING & PIVOT**MAINFRAME SWING & MOLDBOARD PIVOT****100 SERIES MODELS 100-08, 100-09****NOTE**

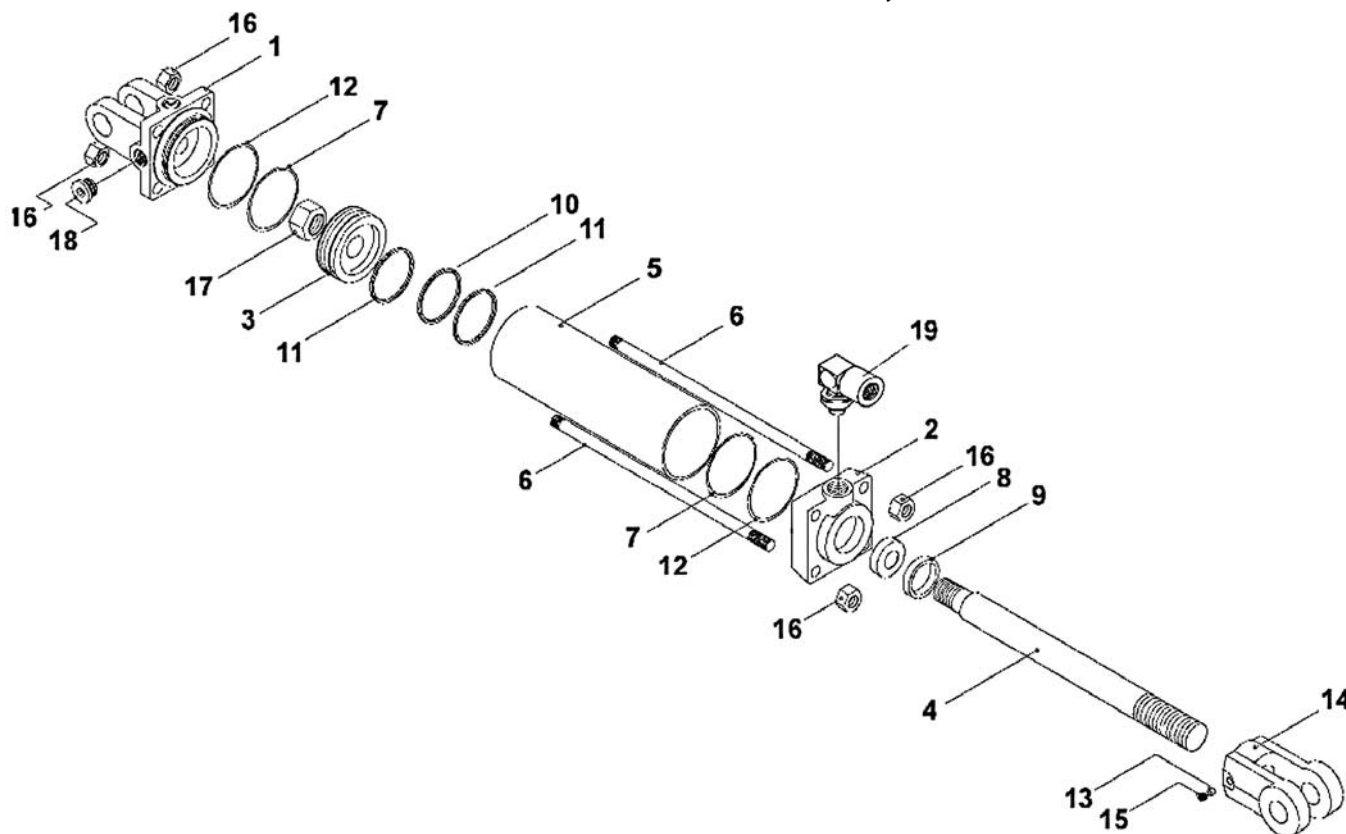
If Your Cylinder Uses
1-1/4" pin use Seal Kit
P/N 02975527



REF. NO.	PART NO.	DESCRIPTION	QTY.
	069160000B	Hydraulic Cylinder 4" Bore x 16" Stroke	1
	02975527	Seal Kit (Items 11-16)	1
1	00775917	Hex Nut	1
2	49045	Cotter Pin	4
3	0116000	Setscrew	1
4	00775918	Bushing	4
5	00775916	Cylinder Pin	2
6	N/A	Cylinder Head	1
7	00778736	Cylinder Tube	1
8	N/A	Cylinder Rod	1
9	00775912	Rod Clevis	1
10	00775911	Piston	1
11	-----	Seal, Hallite	1
12	-----	Seal, Wiper Rod	1
13	-----	Seal	1
14	-----	O-Ring	1
15	-----	Seal, Psp Piston Ring	1
16	-----	Wear Ring	1
17	00775908	Hydraulic Hose	2

HYDRAULIC CYLINDER - TILT

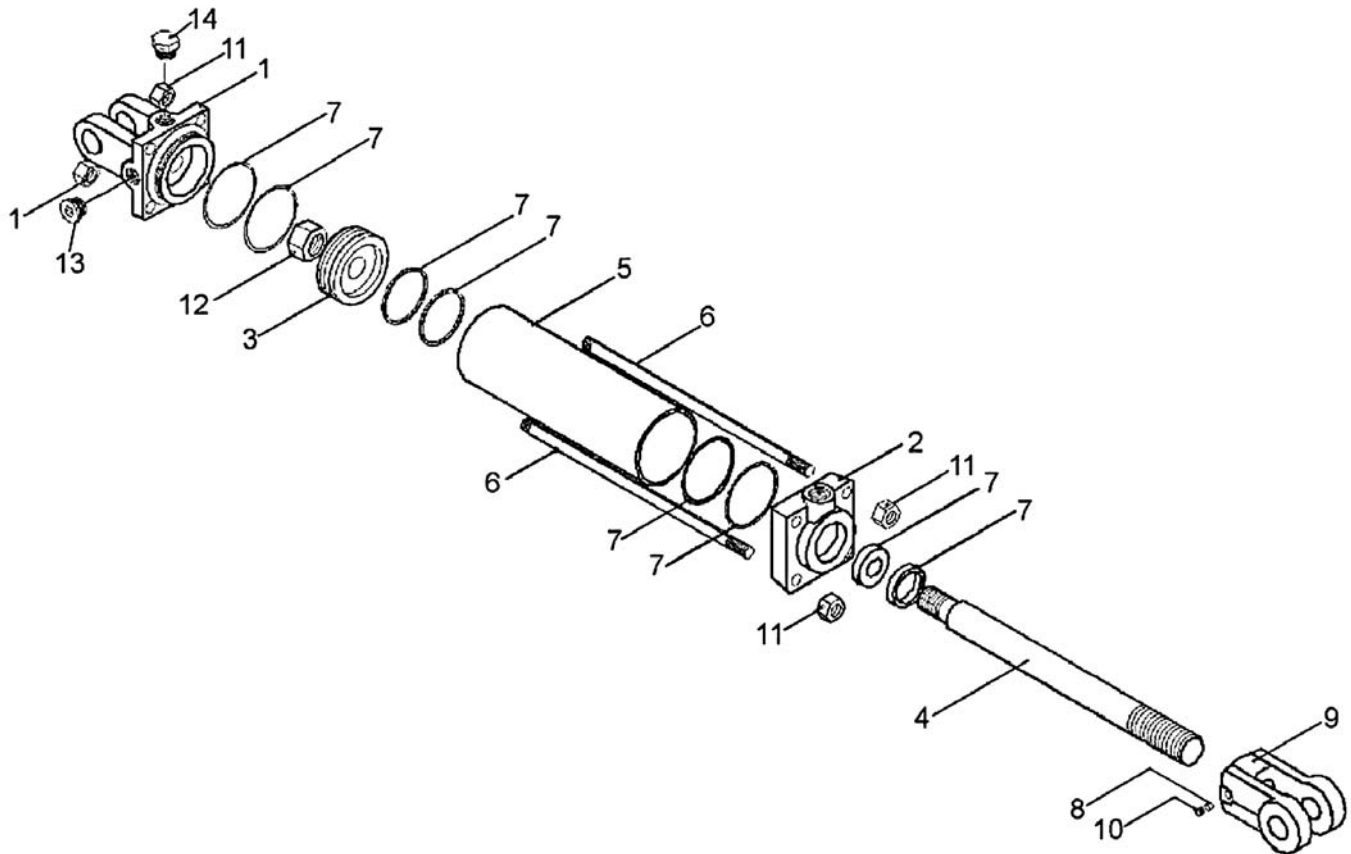
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
	00759715A	Hydraulic Cylinder 3" Bore x 5-1/2" Stroke	1
	2417161	Seal Kit	1
1	2417158	Clevis Cap	1
2	2417157	Rod Cap	1
3	00774733	Piston	1
4	00774736	Rod	1
5	00774747	Tube	1
6	00774741	Tie Rod	4
7	-----	O-Ring, End Cap	2
8	-----	Wiper Seal, Rod	1
9	-----	Dust Seal, Rod	1
10	-----	Seal, Piston	1
11	-----	Wear Ring, Piston	2
12	3047117	Setscrew, Rubber Head	2
13	-----	Nylon Thread Protector	1
14	1917140	Rod Clevis	1
15	00774740	Set Screw 3/8" x 1/2" Knurled	1
16	33005H5C	Hex Nut 1/2"- 13 UNC	8
17	5JRC16140	Piston Nut 1" NF Locknut	1
18	1917132	Port Plug	1
19	11565	Elbow, Fitting	1

HYDRAULIC CYLINDER - GAUGE WHEEL

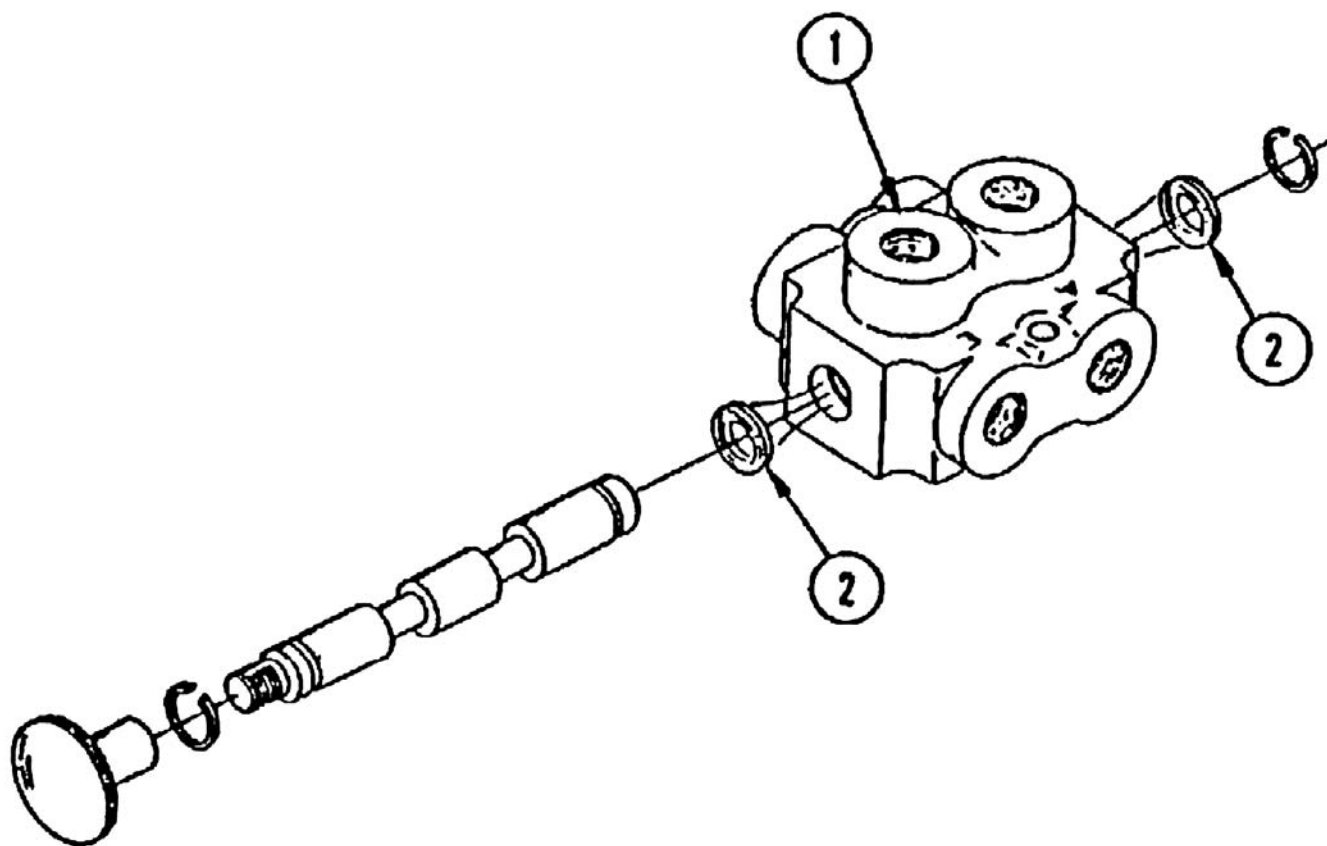
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
	8727A	Hydraulic Cylinder 2-1/2" Bore x 8" Stroke	1
1	00774729	Clevis Cap	1
2	00774734	Rod Cap	1
3	00774730	Piston	1
4	00774753	Rod	1
5	N/A	Tube	1
6	3047112	Tie Rod	4
7	00774760	Seal Kit	1
8	3047117	Nylon Thread Lock	1
9	1917140	Rod Clevis	1
10	00774740	Set Screw	1
11	N/A	Tie Rod Nut	8
12	5JRC12160	Piston Nut	1
13	1917132	Port Plug	1
14	2417154	Breather	1

SELECTOR VALVE

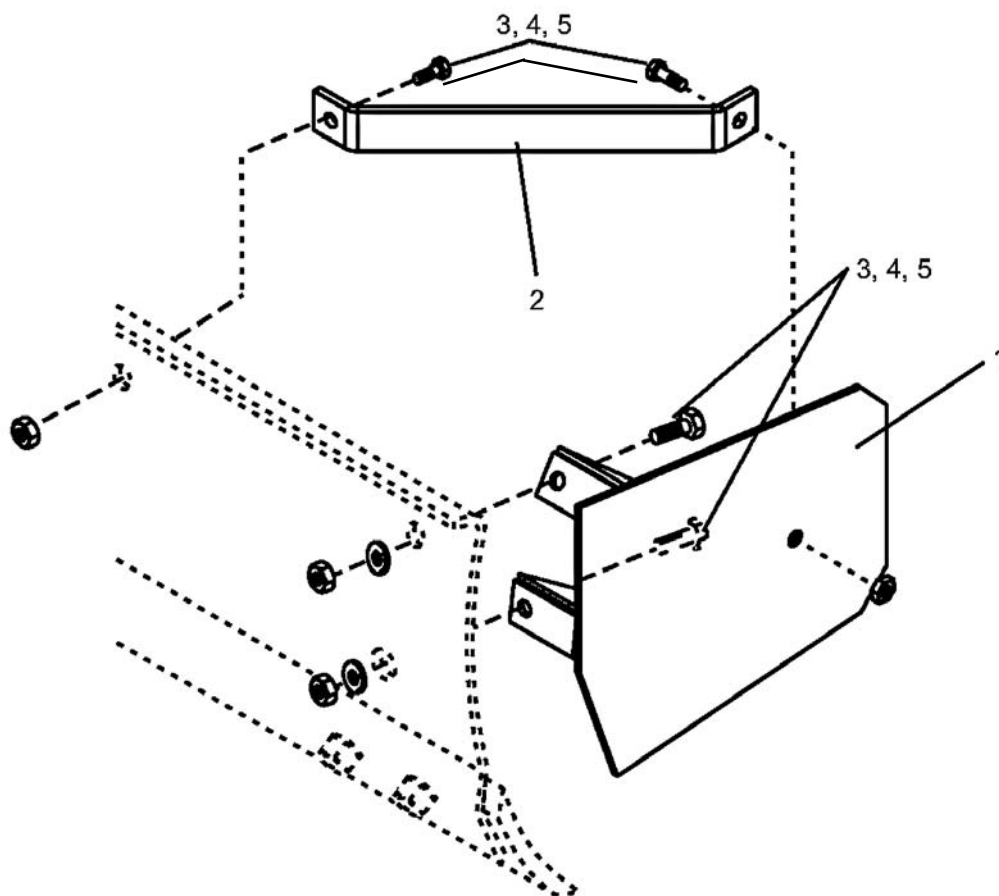
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0781300000	Selector Valve Assembly	1
2	N/A	Seal	2

END PLATES

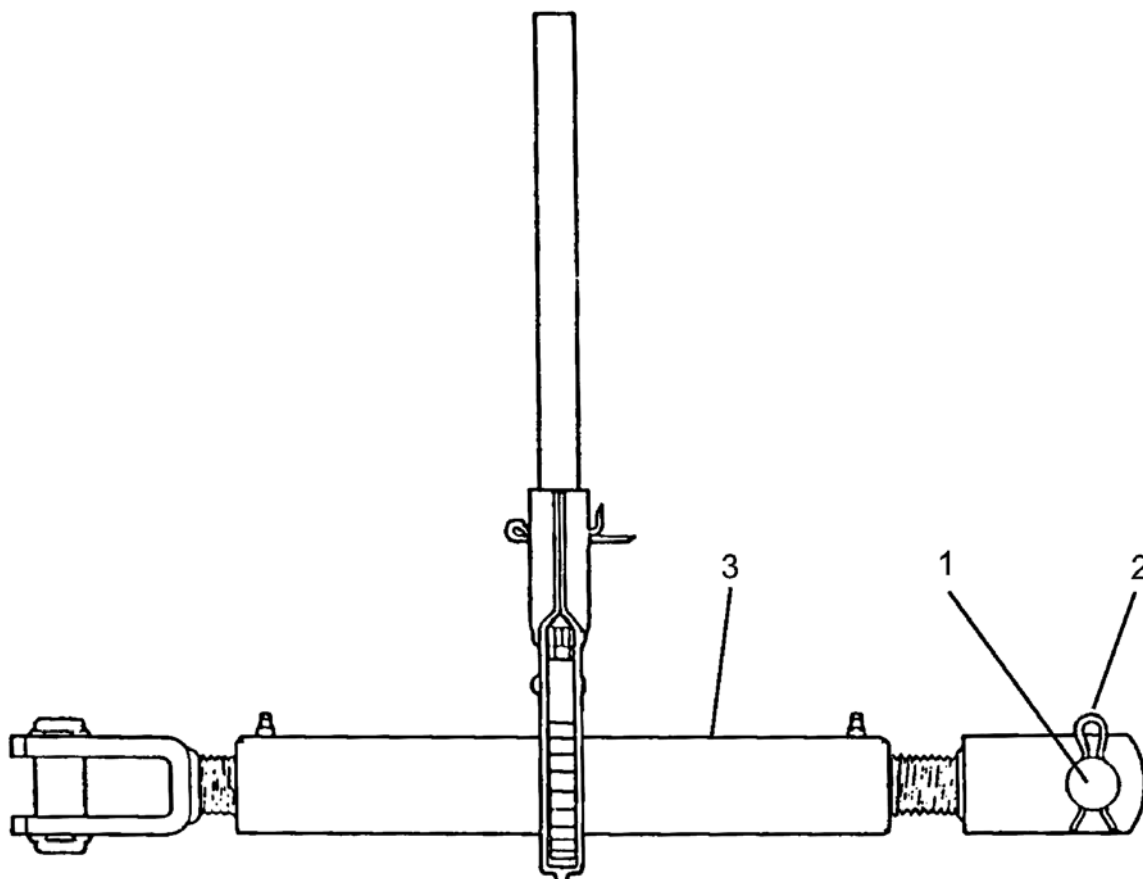
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00786728	Left End Plate Weldment	1
	00786727	Right End Plate Weldment	1
2	0591240301	Brace Weldment	2
3	-----	Capscrew 5/8" x 1-1/2" Gr.5	8
4	-----	Locknut, Toplock 5/8"	8
5	-----	Flatwasher, Hardened 5/8"	8

RATCHET ASSEMBLY

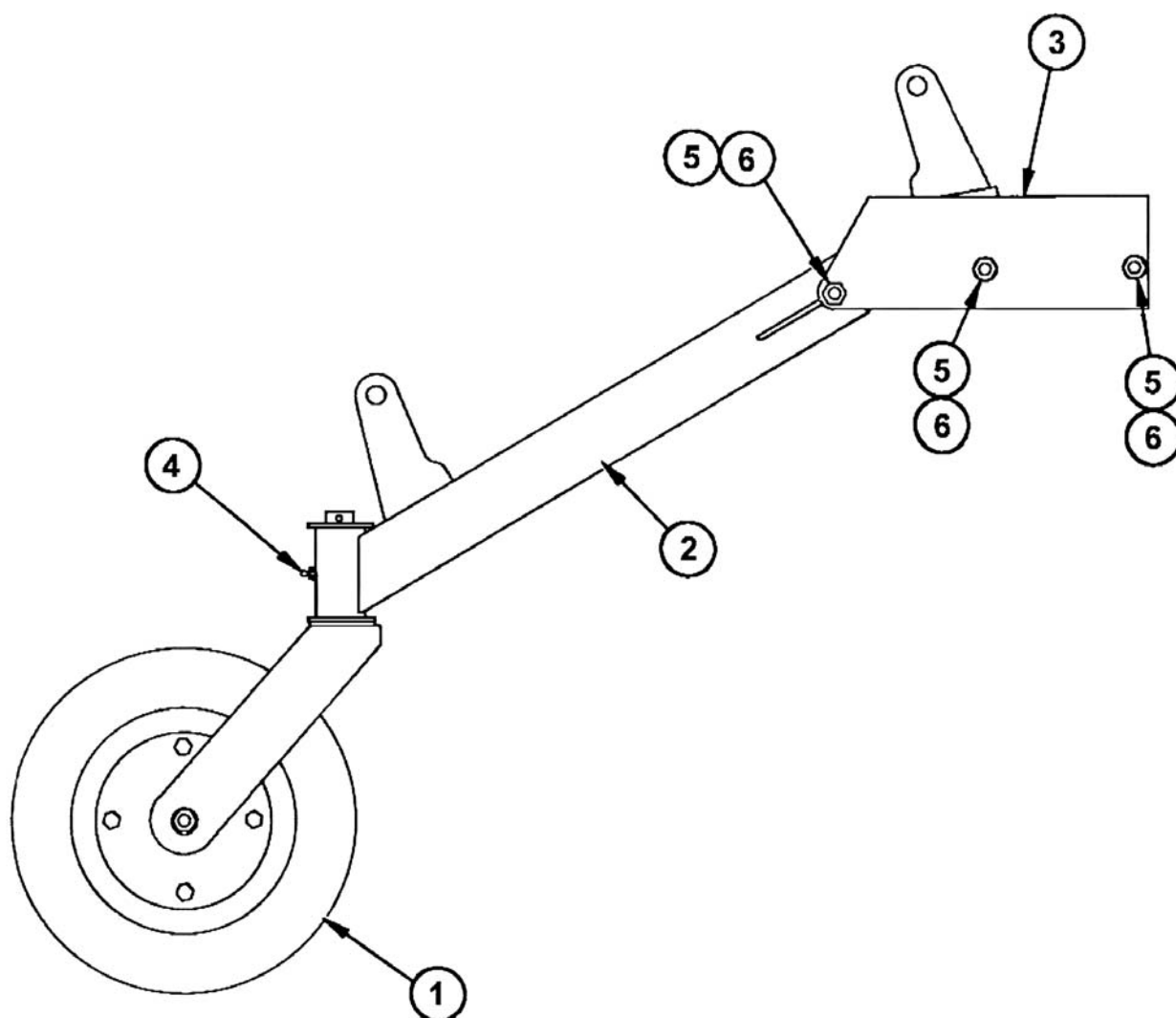
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	8354	Pin	2
2	-----	Cotter Pin 3/16 x 1-1/2	2
3	00554600P	Ratchet, Jack	1

GAUGE WHEEL

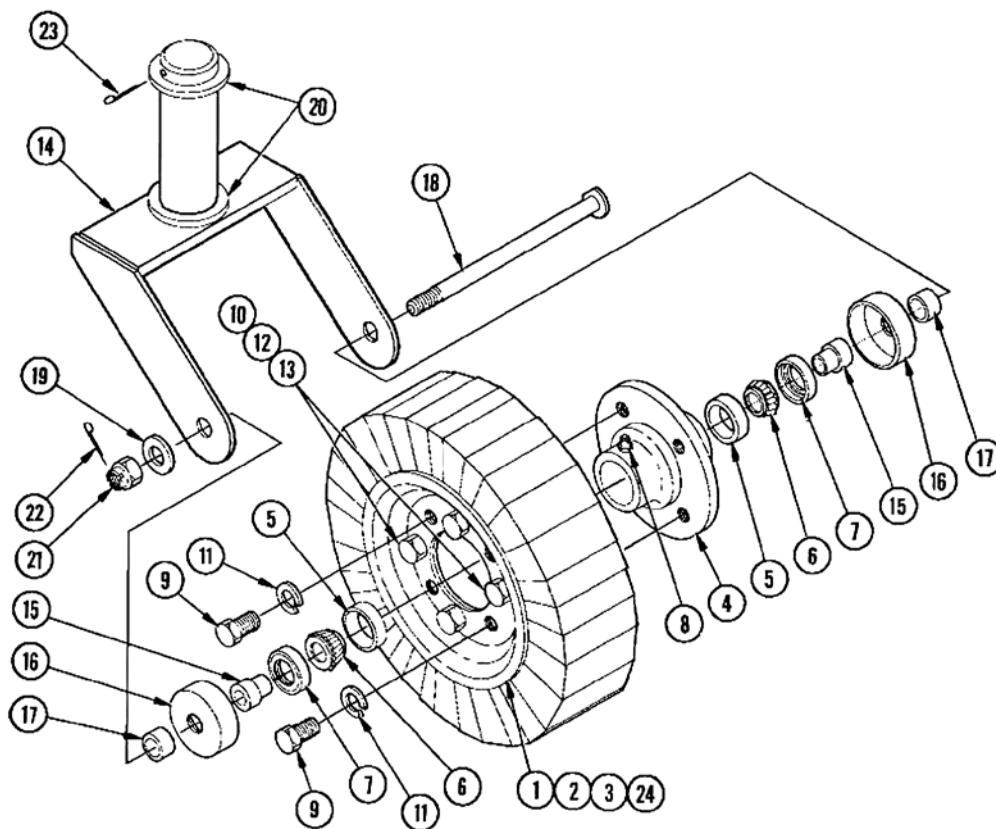
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	N/A	Caster Fork & Wheel Assy.	1
2	00768322	Beam Weldment	1
3	00768323	Bracket	1
4	4720	Grease Fitting	1
5	-----	Locknut, Top Lock 5/8"	3
6	-----	Capscrew 5/8" x 9" Gr.5	3

TAILWHEEL ASSEMBLY

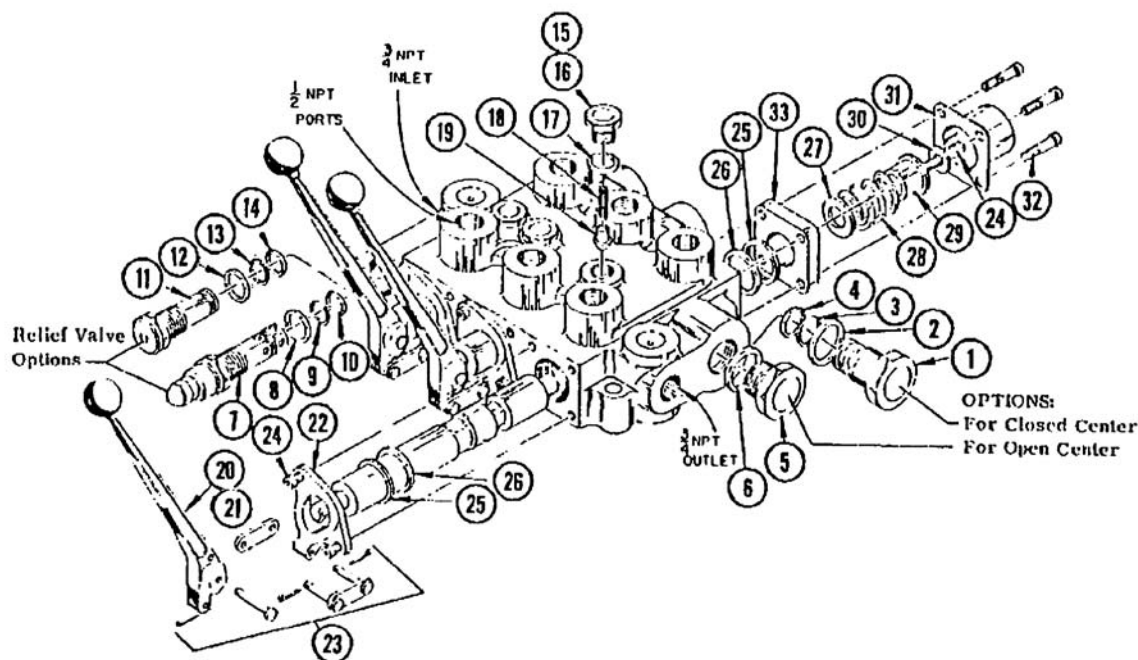
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	N/A	Wheel Tire and Hub Assy.	1
2	N/A	Tire (Order Wheel Assy.)	1
3	N/A	Wheel 8" (Order Wheel Assy.)	1
4	373024D	Hub Assembly	1
5	N/A	Bearing Cup	2
6	00013701	Bearing Cone	2
7	373024E	Grease Seal	2
8	449BH	Grease Fitting	1
9	N/A	Bolt 1/2" x 1" NF	4
10	N/A	Bolt 5/8" x 3/4"	4
11	N/A	Lockwasher 1/2"	4
12	N/A	Lockwasher 5/8"	4
13	N/A	Hex Nut 3/8"	4
14	742024	Fork	1
15	37302C2C	Shoulder Sleeve	2
16	37302D2B	Dust Cap	2
17	511016	Spacer Bushing	2
18	37302D2A	Spindle Bolt Weldment	1
19	15B1200	Washer 3/4" SAE Plated	1
20	15B2400	Washer 1-1/2" Narrow Plated	2
21	5E12160	Castle Nut 3/4" NF Plated	1
22	N/A	Cotter Pin 5/32" x 1-1/2"	1
23	N/A	Cotter Pin 5/16" x 2-1/2"	1
24	373024H	Tire and Wheel less Hub	

CONTROL VALVE ASSEMBLY

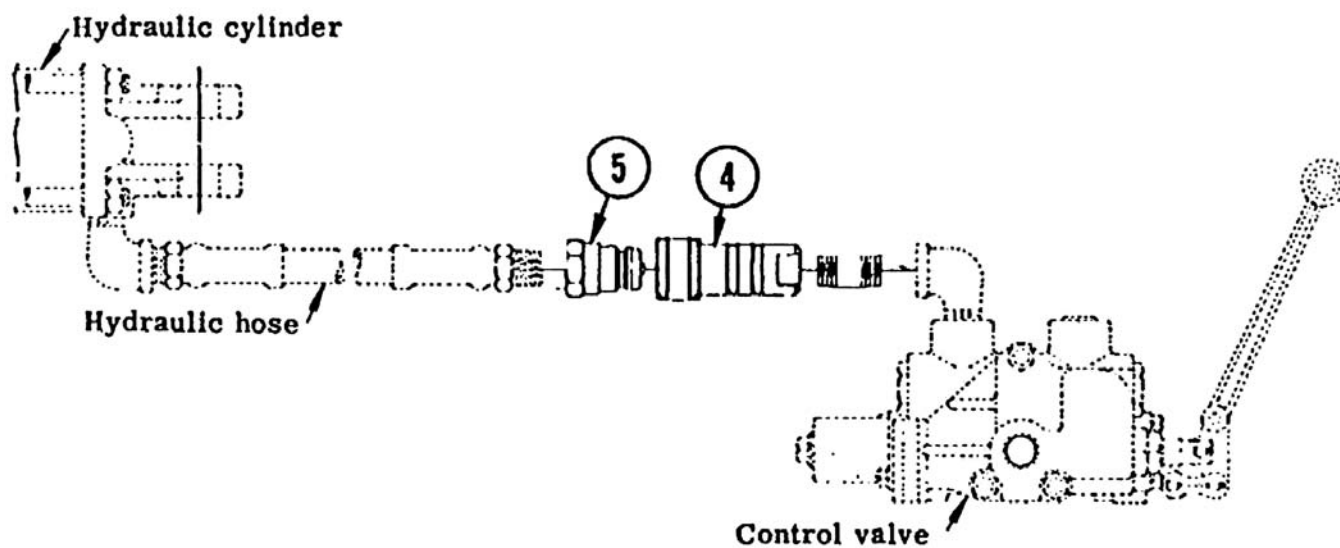
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
	0691700000	Control Valve Complete (Open Center)	1
1	8526	Closed Center lug Assy. (Incl. 2, 3, & 4)	1
2	N/A	O-Ring Seal	1
3	N/A	Back Up Washer	1
4	N/A	O-Ring Seal	1
5	N/A	Conversion Plug Assy. (For Open Center)	1
6	N/A	O-Ring Seal	1
7	N/A	Adj. Relief Assy. (Incl. 10-13)	1
8	N/A	O-Ring Seal	1
9	N/A	Backup Washer	1
10	N/A	O-Ring Seal	1
11	6514037	No Relief Assy. (Incl 12-14)	1
12	N/A	O-Ring Seal	1
13	N/A	Backup Washer	1
14	N/A	O-Ring Seal	1
16	N/A	Plug Only.	3
17	N/A	O-Ring Seal	3
18	N/A	Spring	3
19	N/A	Load Check Poppet	3
20	N/A	Handle & Bracket Assy (Incl 21-23)	3
21	N/A	Handle	3
22	N/A	Handle Bracket	3
23	N/A	Pin Kit	3
24	N/A	Bolt	9
25	N/A	O-Ring Spool Washer	6
26	N/A	Spool Seal	6
27	N/A	Stop Washer	3
28	N/A	Spring	3
29	N/A	Stop Collar	3
30	N/A	Washer	3
31	N/A	End Cap	3
32	N/A	Bolt	12
33	N/A	Plate	3

HYDRAULIC HOSE CONNECTION

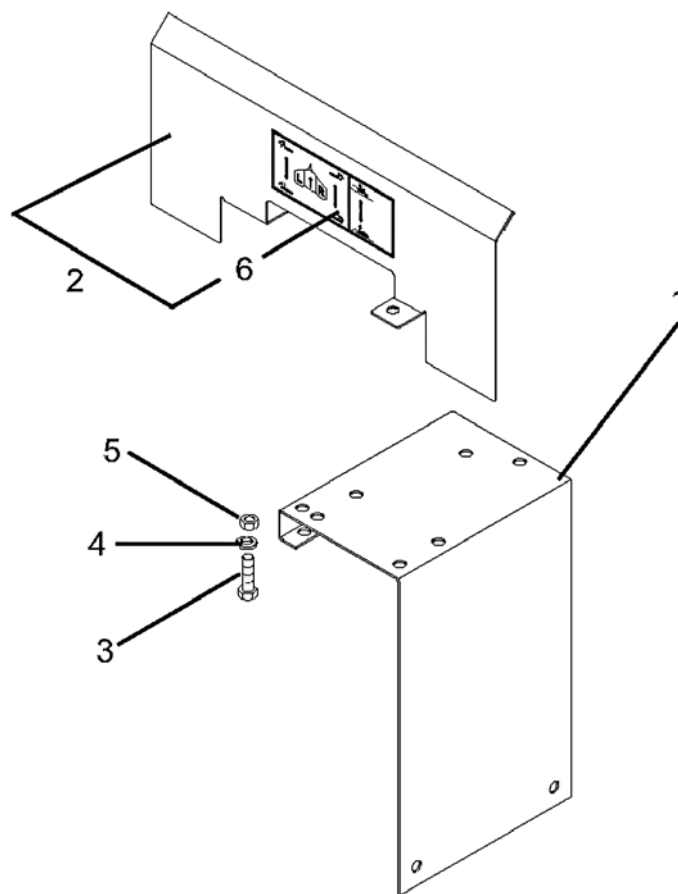
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
4	N/A	Coupler	1
5	N/A	Tip	1

BRACKET ASSY. VALVE MOUNT

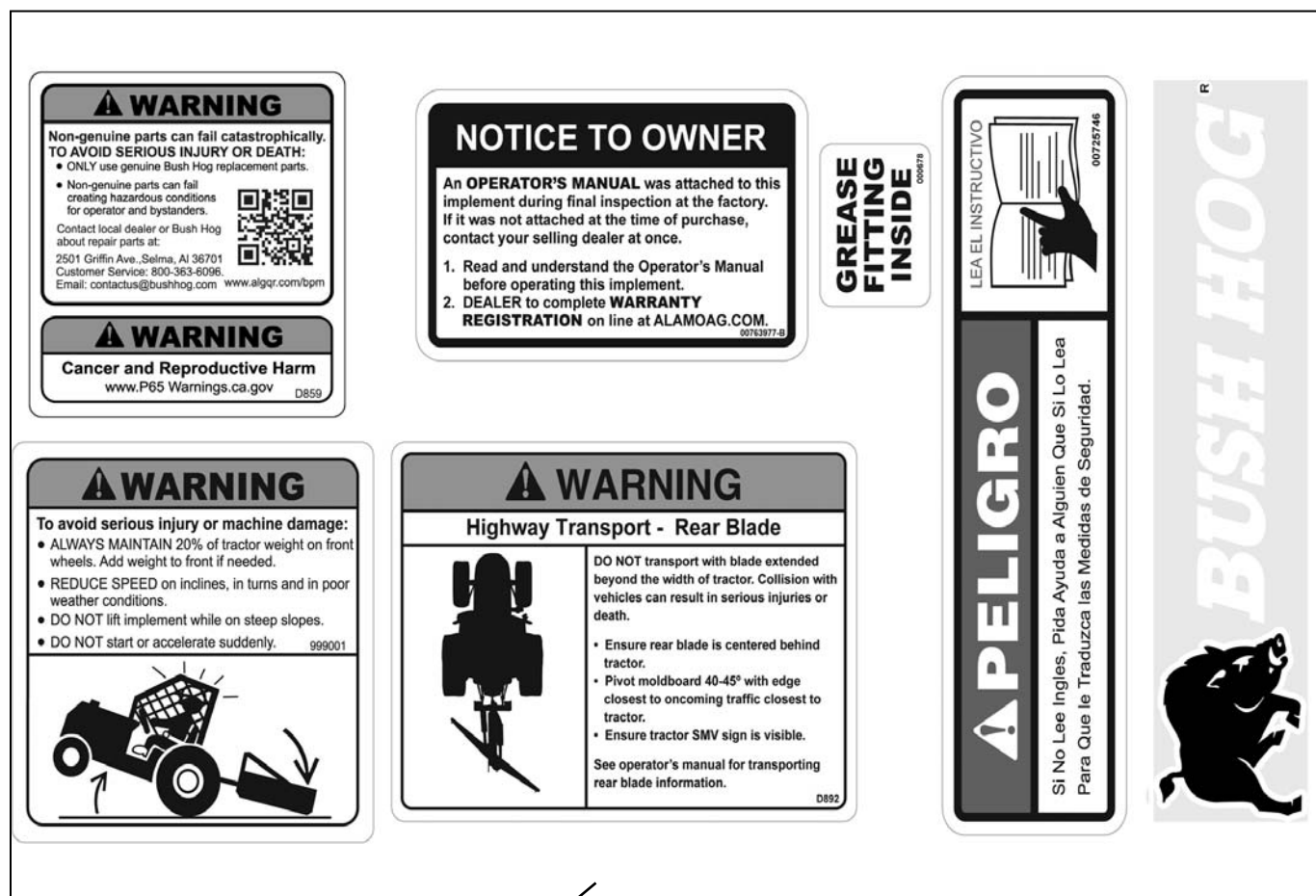
100 SERIES MODELS 100-08, 100-09



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	8166M	Bracket, Valve Fender Mount	1
2	00759682	Shield, Valve Control	1
3	-----	Capscrew 3/8" x 1" Gr.5	4
	-----	Capscrew 3/8" x 2" Gr.5	1
	-----	Capscrew 3/8" x 4" Gr.5	2
4	-----	Lockwasher 3/8"	7
5	-----	Hex Nut 3/8"	7
6	N/A	Decal, Hydraulic Operation	1

SAFETY DECAL SHEET - MAINFRAME

100 SERIES MODELS 100-08, 100-09



1

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789185	Sheet, Mainframe Decal	1

 10FT DT2000A	 12FT DT2000B	 14FT DT2000C
 8FT DT2000D	 9FT DT2000E	

WARNING

TO AVOID SERIOUS INJURY OR DEATH:

- Read and understand Operator's Manual.
- Tractor must be equipped with Roll-Over Protection (ROPS) and sway chains.
- Always wear Safety Glasses, Safety Shoes, and Seatbelt fastened tightly.
- Stop tractor, lock brakes, and block up or support implement securely before working under raised components.
- Allow no riders at any time on tractor or implement. Falling off can kill.
- Keep bystanders clear of moving parts and working area. KEEP CHILDREN AWAY!
- Do not lift, lower, or operate unless everyone is clear of implement.
- Use increased caution on slopes & near banks and ditches to prevent overturn.
- Lock lift lever up for transport. Have SMV sign visible. Follow local laws.
- Use parking stand or block up when unhooking from tractor.

994200

GREASE FITTING INSIDE

(SEE)

WARNING





TO AVOID SERIOUS INJURY OR DEATH:

- Make blade adjustments with tractor on level ground. Blades weight can swing down hill when fasteners are removed and cause serious injury by crushing.
- Keep fingers away from adjusting holes to prevent crushing and/or shearing injuries.
- Back into piles slowly. A solid obstruction may be hidden from view.

990000

A WARNING

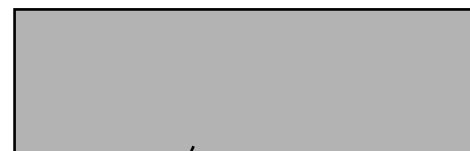
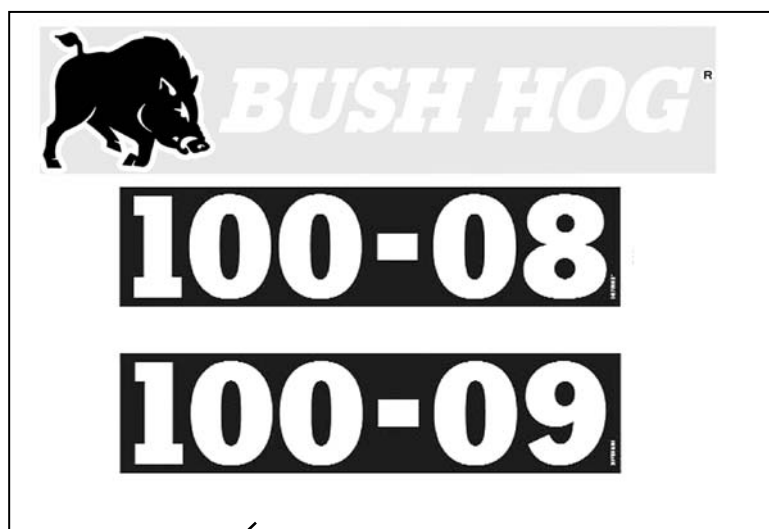




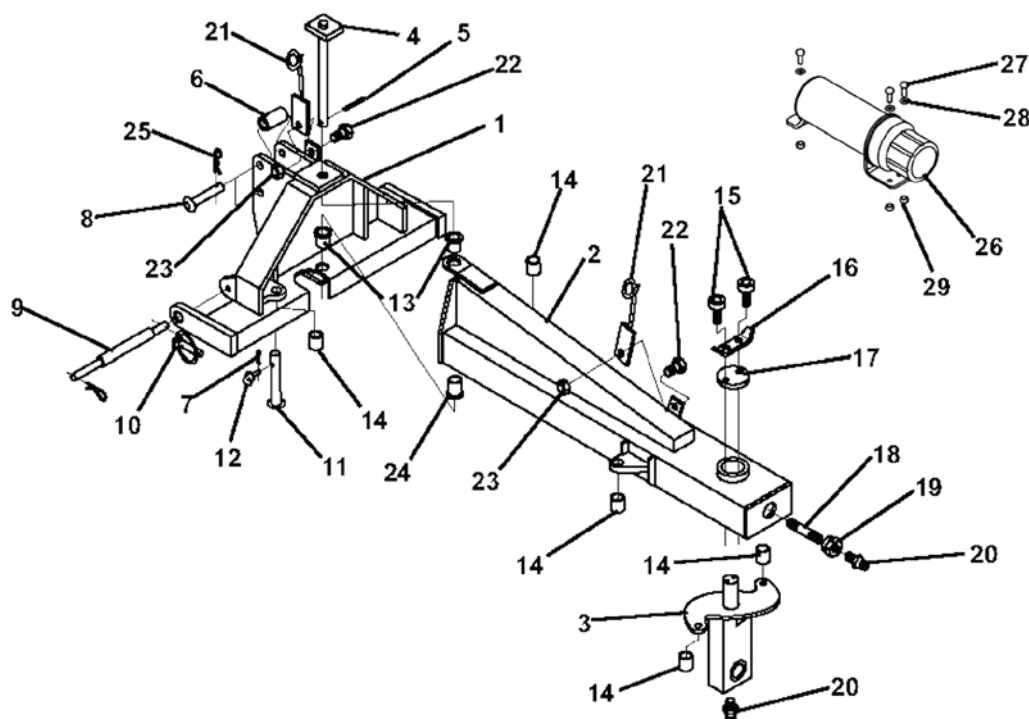
TO AVOID SERIOUS INJURY OR DEATH FROM HIGH PRESSURE HYDRAULIC OIL LEAKS PENETRATING SKIN:

- NEVER touch or get oil or fuel leaks.
- KEEP all hydraulic hoses, lines and connections in good condition and tight before applying system pressure.
- REPAIR damaged hoses, fittings, or connections before disconnecting lines or working on the system.
- HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE. WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:
- ALWAYS WEAR safety glasses and impermeable gloves.
- USE paper or cardboard to search for leaks.
- DO NOT use your hands to feel for leaks and locate dripping hydraulic fluid.
- Hydraulic fluid may cause permanent eye and respiratory irritation immediately by a doctor familiar with the form of injury.

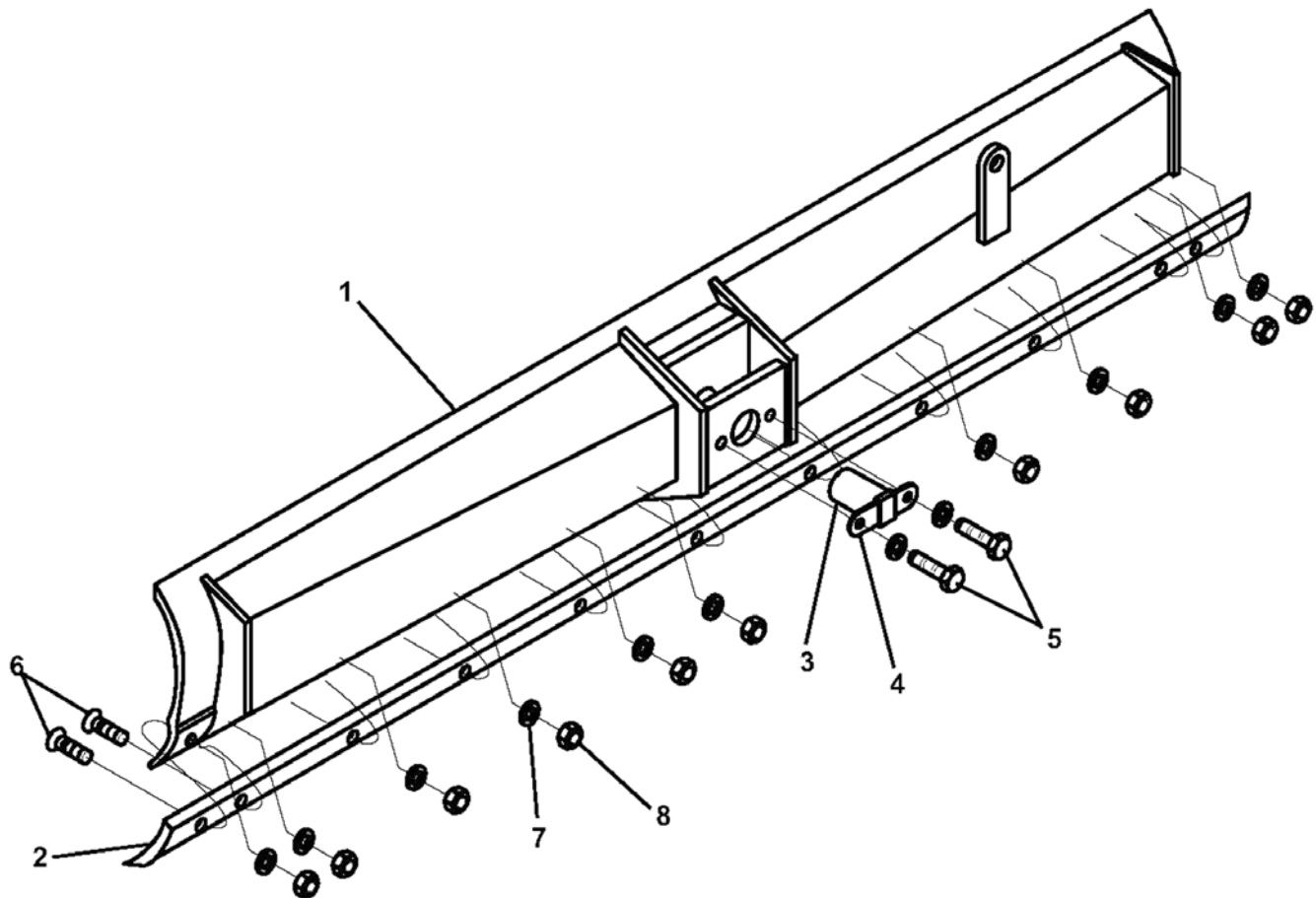
D617



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789180	Sheet, Moldboard Decal	1
2	00789186	Sheet, 100 Series Moldboard Decal	1
3	1458392	Reflector Decal, Red (Not part of Sheet order seperately)	2
4	1458393	Reflector Decal, Yellow (Not part of Sheet order seperately)	1

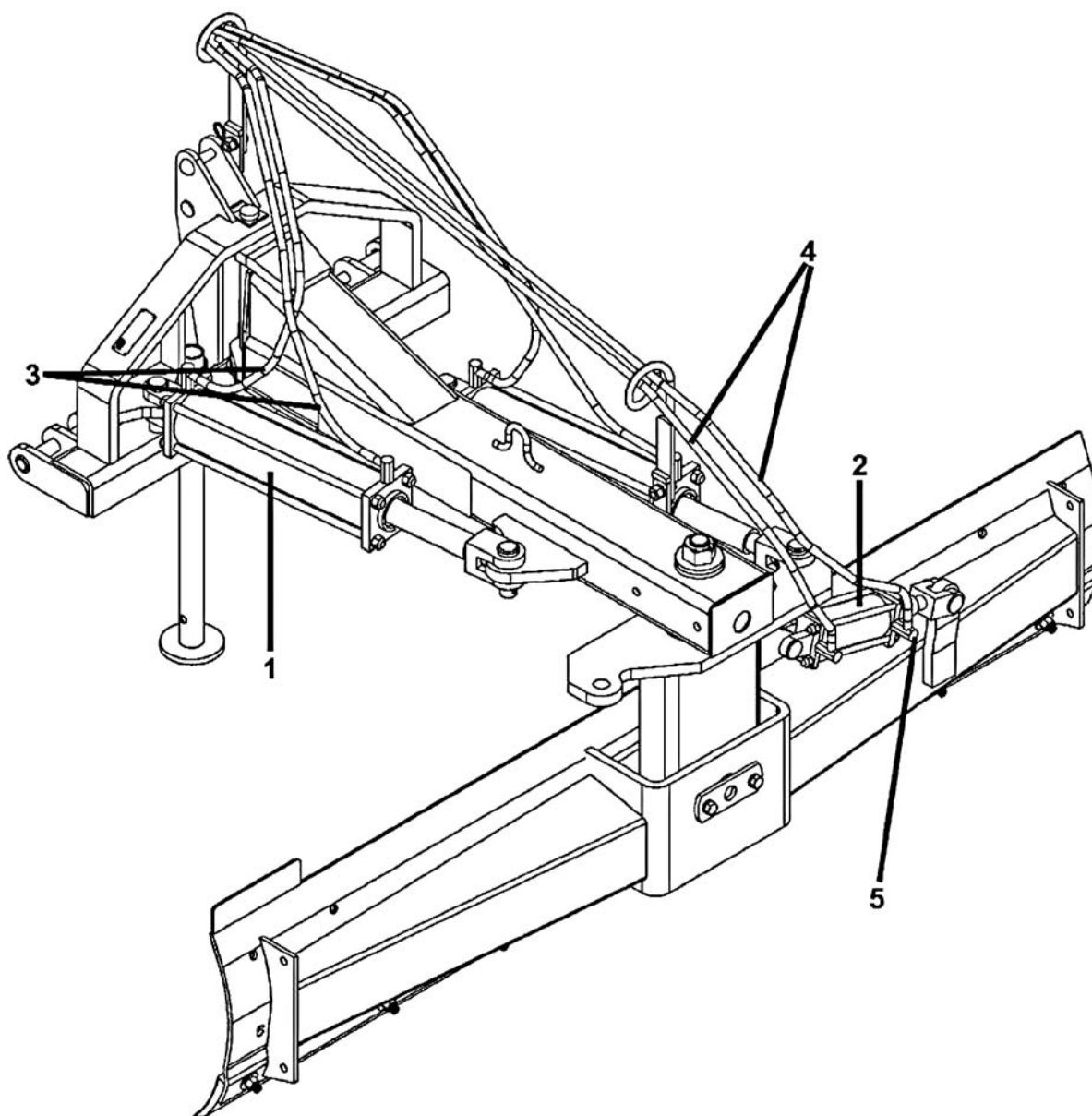
MAINFRAME ASSEMBLY**160 SERIES MODELS 160-08,160-09BH, 160-10**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00775902	A-Frame	1
2	00775901	Mainframe	1
3	00775900	Moldboard Carrier	1
4	69105A	Pivot Pin	1
5	N/A	Cotter Pin	1
6	69113	Top Link Bushing	1
7	2192	Hair Pin Cotter	1
8	69109	Top Link Pin	1
9	69141	Wrist Pin	2
10	2196	Pin, Lynch	4
11	0831140000	Support Stand	1
12	69112	Lock Pin	1
13	6910114	Bushing	2
14	069201009	Bushing (For use with all 1" Pin Cylinders and Adjustment Links)	5
	02969064	Bushing (For use with all 1-1/4" Pin Cylinders)	5
15	02929200	Bolt	2
16	69117	Retainer Clip	1
17	69110	King Pin Cap	1
18	19C1220	Nipple	1
19	8639-2	Coupling	1
20	4720	Grease Fitting	2
21	0691320100	Hydraulic Hose Bracket Weldment	2
22	N/A	Bolt 5/8 NC x 1-1/2 Gr 5	2
23	00695100	Nut, Toplock 5/8 NC	2
24	N/A	Bushing Lower Mainframe	1
25	N/A	Pin, Klick 1/4 x 1-3/4	1
26	00776031	Canister, Parts Manual	1
27	N/A	Capscrew, 1/4 x 3/4 Gr 5	3
28	N/A	Washer, Flat 1/4	3
29	N/A	Nut, Lock 1/4	3

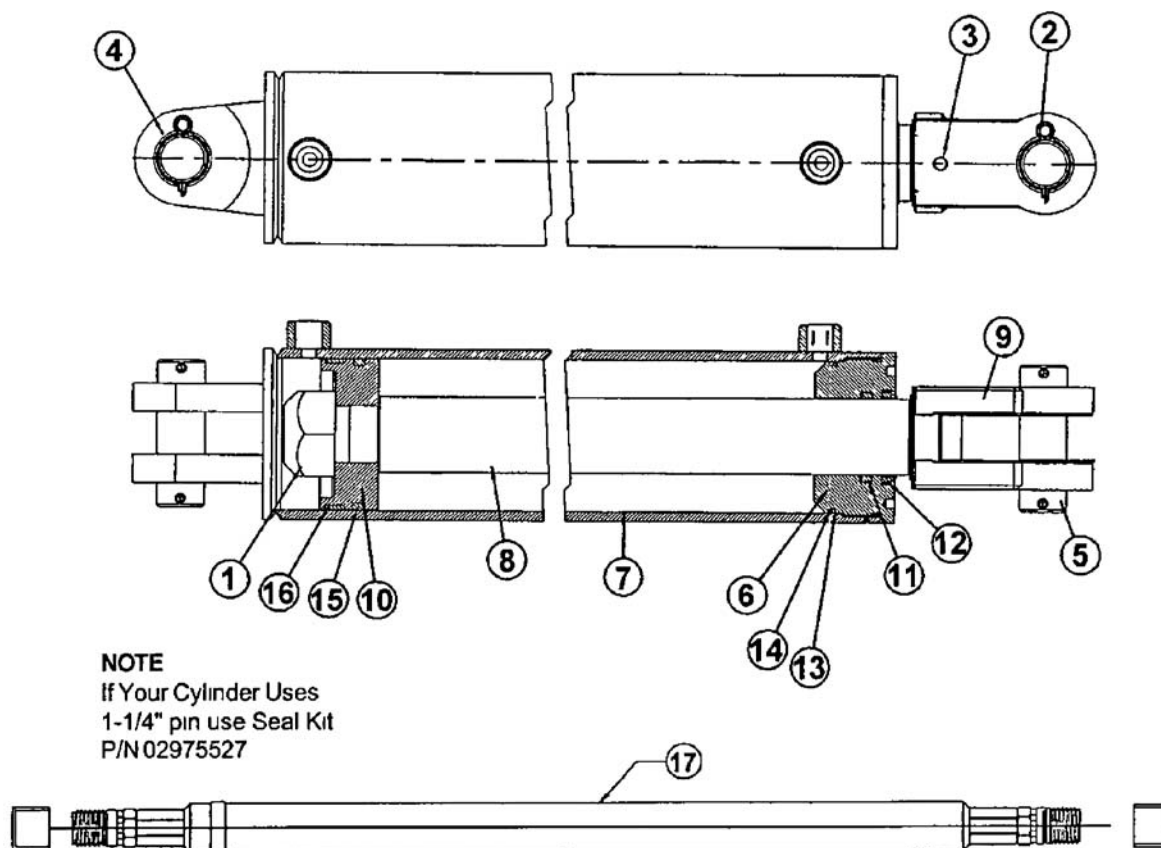
MOLDBOARD ASSEMBLY**160 SERIES MODELS 160-08, 160-09BH, 160-10**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	69104B1	Weldment, Moldboard 8 Ft	1
	691360	Weldment, Moldboard 9 Ft	1
	69137B1	Weldment, Moldboard 10 Ft	1
2	441111	Blade, Grader - 8 Ft	1
	0597070002	Blade, Grader - 9 Ft	1
	691372	Blade, Grader - 10 Ft	1
3	69106	Weldment, Pivot Pin	1
4	69111	Pin Retainer	1
5	N/A	Capscrew, 5/8-11 x 1-1/2 Gr 5	2
6	2A3101116	Plow Bolt, 5/8 x 2	10
7	00010300	Washer, Lock 5/8	12
8	00010400	Nut, Hex 5/8	10

Note: For items 6-8 add 2 for 10 Ft Moldboard

HYDRAULICS**160 SERIES MODELS 160-08, 160-09BH, 160-10**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0691600000B	Hydraulic Cylinder (Swing and Pivot)	2
2	00759715A	Hydraulic Cylinder (Tilt)	1
3	00775908	Hydraulic Hose 96" #6-8MP X 8MP	4
4	651132	Hydraulic Hose 144" #6 - 8MP X 8MP	2
5	11565	Elbow Adapter 8MP X 8FP 90°	2

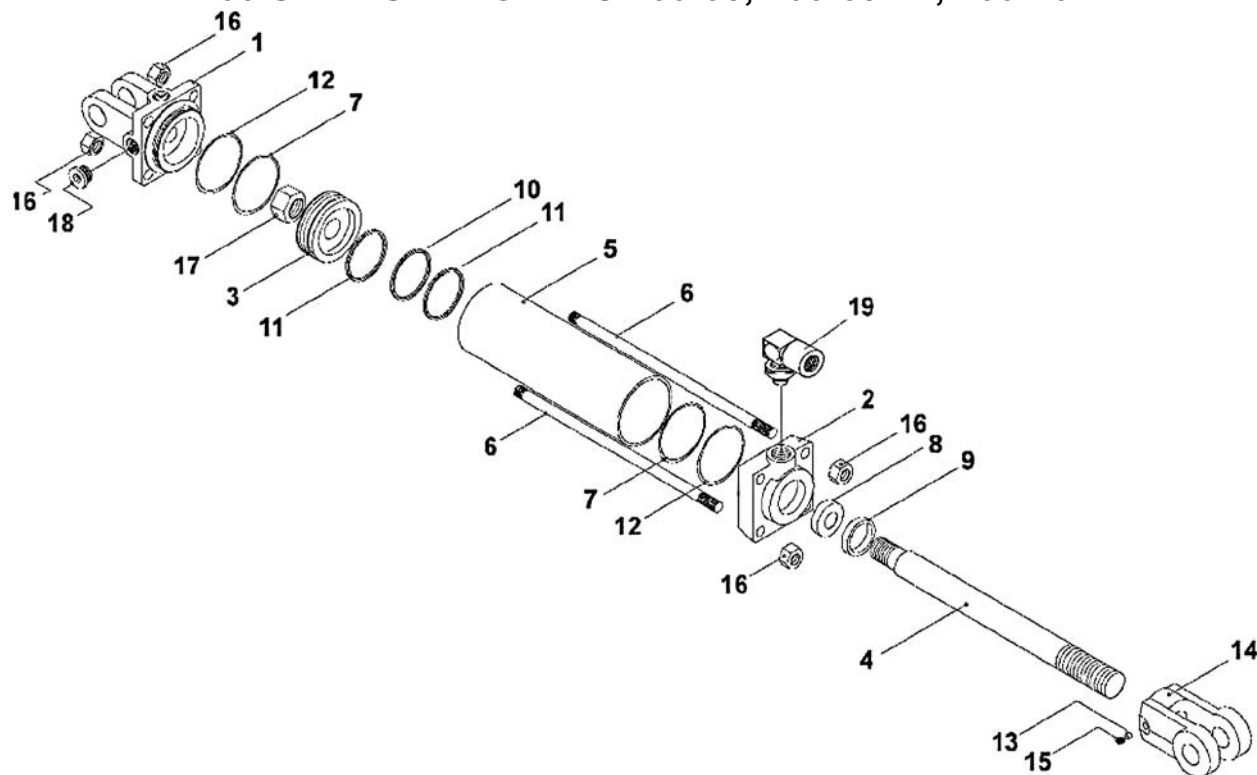
HYDRAULIC CYLINDER - SWING & PIVOT**MAINFRAME SWING & MOLDBOARD PIVOT****160 SERIES MODELS 160-08, 160-09BH, 160-10****NOTE**

If Your Cylinder Uses
1-1/4" pin use Seal Kit
P/N 02975527

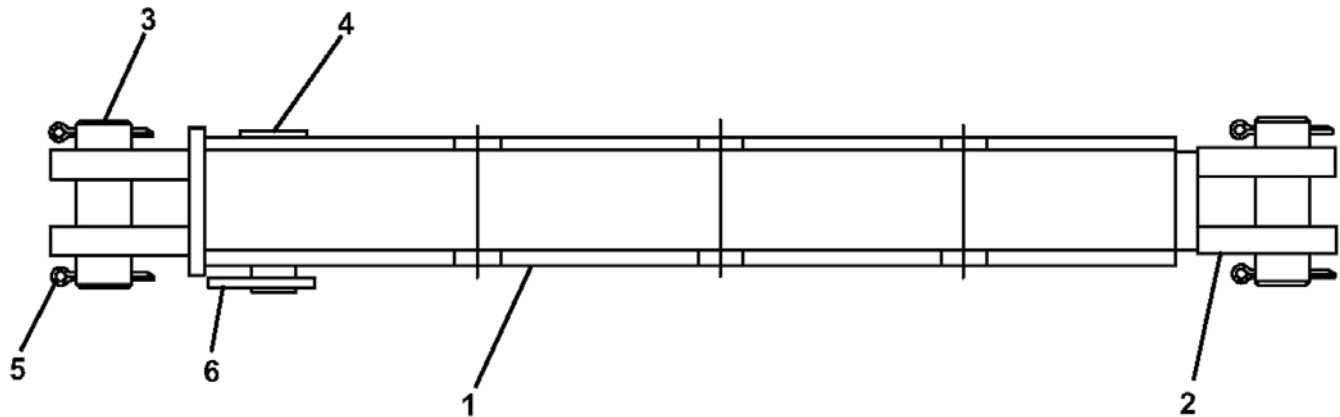
REF. NO.	PART NO.	DESCRIPTION	QTY.
	069160000B	Hydraulic Cylinder 4" Bore x 16" Stroke	1
	02975527	Seal Kit (Items 11-16)	1
1	00775917	Nut, Hex 1-1/2-12 UNF Gr C	1
2	49045	Cotter Pin 3/16 x 1-3/4	4
3	0116000	Setscrew 3/8 NC x 1/2	1
4	00775918	Bushing, Cylinder	4
5	00775916	Pin, Cylinder	2
6	N/A	Head, Cylinder	1
7	00778736	Tube, Cylinder	1
8	N/A	Rod, Cylinder	1
9	00775912	Clevis, Rod 1-1/4 Pin	1
10	00755911	Piston, Cylinder 4 Bore	1
11	-----	Seal Hallite	1
12	-----	Seal Wiper Rod	1
13	-----	Seal	1
14	-----	O-Ring	1
15	-----	Seal PSP Piston Ring	1
16	-----	Wear Ring	1
17	00775908	Hydraulic Hose	2

HYDRAULIC CYLINDER - TILT

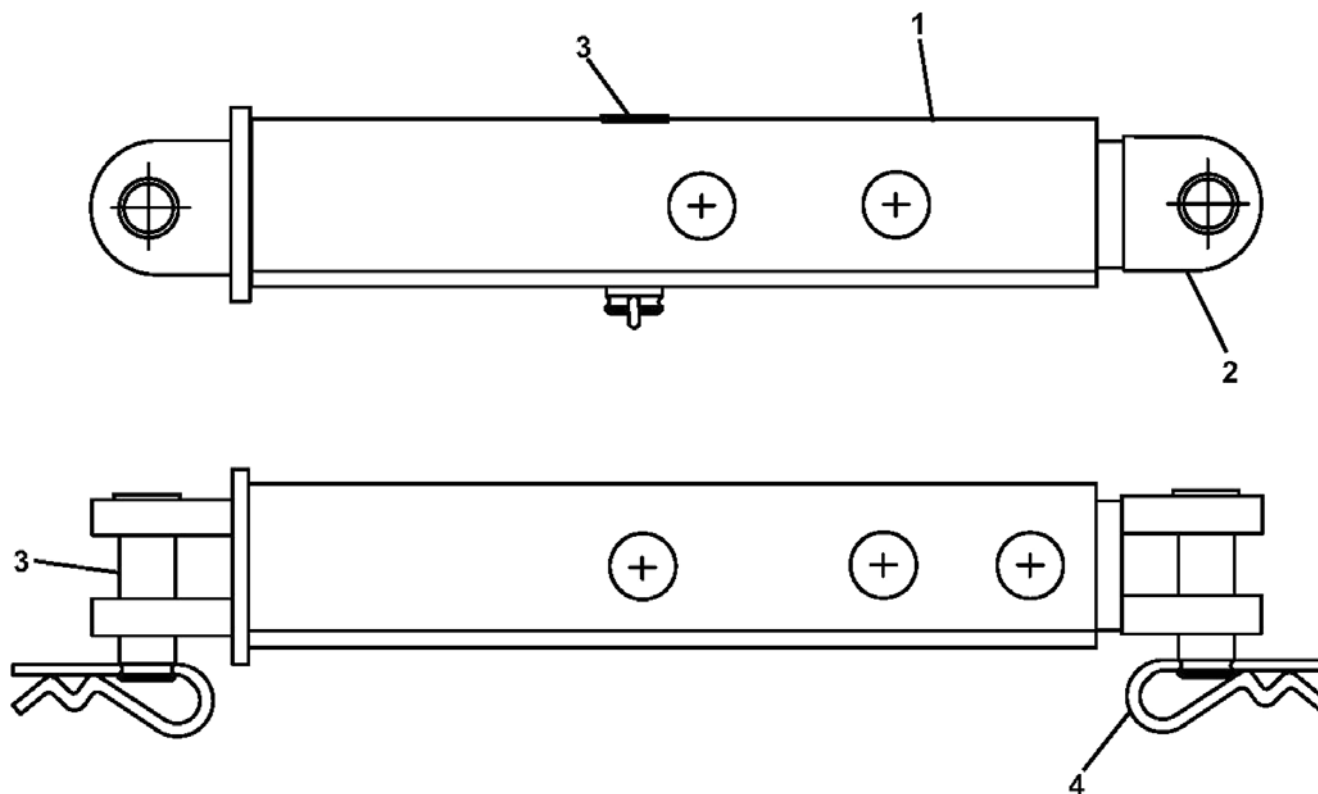
160 SERIES MODELS 160-08, 160-09BH, 160-10



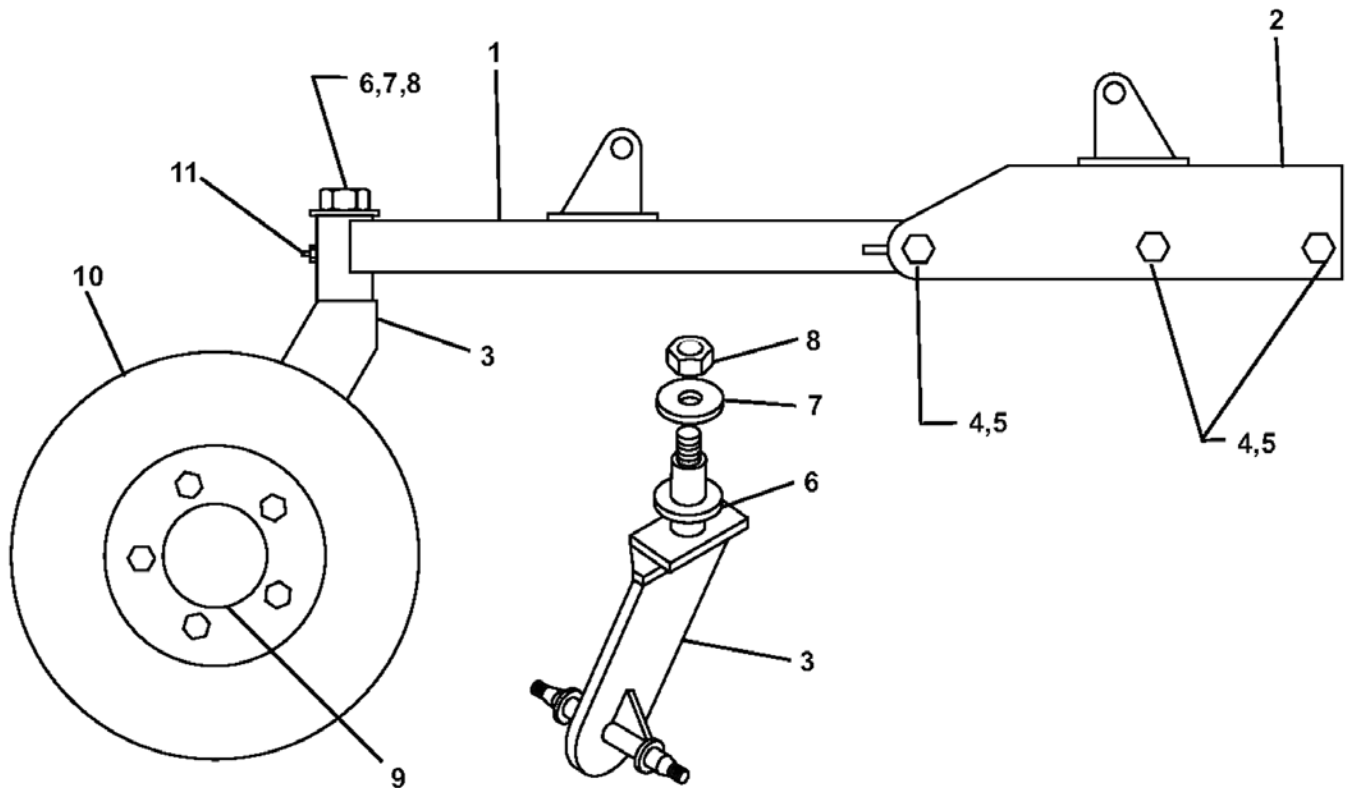
REF. NO.	PART NO.	DESCRIPTION	QTY
	00759715A	Hydraulic Cylinder 3" Bore x 5-1/2" Stroke	1
	2417161	Seal Kit	1
1	2417158	Clevis Cap	1
2	2417157	Rod Cap	1
3	00774733	Piston	1
4	00774736	Rod	1
5	00774747	Tube	1
6	00774741	Tie Rod	4
7	-----	O-Ring, End Cap	2
8	-----	Wiper Seal, Rod	1
9	-----	Dust Seal, Rod	1
10	-----	Seal, Piston	1
11	-----	Wear Ring, Piston	2
12	3047117	Setscrew, Rubber Head	2
13	-----	Nylon Thread Protector	1
14	1917140	Rod Clevis	1
15	00774740	Set Screw 3/8" x 1/2" Knurled	1
16	33005H5C	Hex Nut 1/2-13 UNC	8
17	5JRC16140	Piston Nut 1" NF Locknut	1
18	1917132	Port Plug	1
19	11565	Elbow, Fitting	2

ADJUSTING LINK ASSEMBLY-MANUAL OFFSET/ANGLE**160 SERIES MODELS 160-08, 160-09BH, 160-10**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00776119	Weldment, Adjusting Link Housing	1
2	00776121	Weldment, Adjusting Link Rod	1
3	00775916	Pin, Cylinder 1-1/4 Dia.	2
4	691154	Pin	1
5	00606000	Pin Cotter 3/16 x 2	4
6	37107B13	Hairpin, Cotter	1
7	02969064	Bushing, Spring 1-1/2 x 1-1/4 x 1(Not Shown)	2

ADJUSTMENT LINK ASSEMBLY-MANUAL TILT**160 SERIES MODELS 160-08, 160-09BH, 160-10**

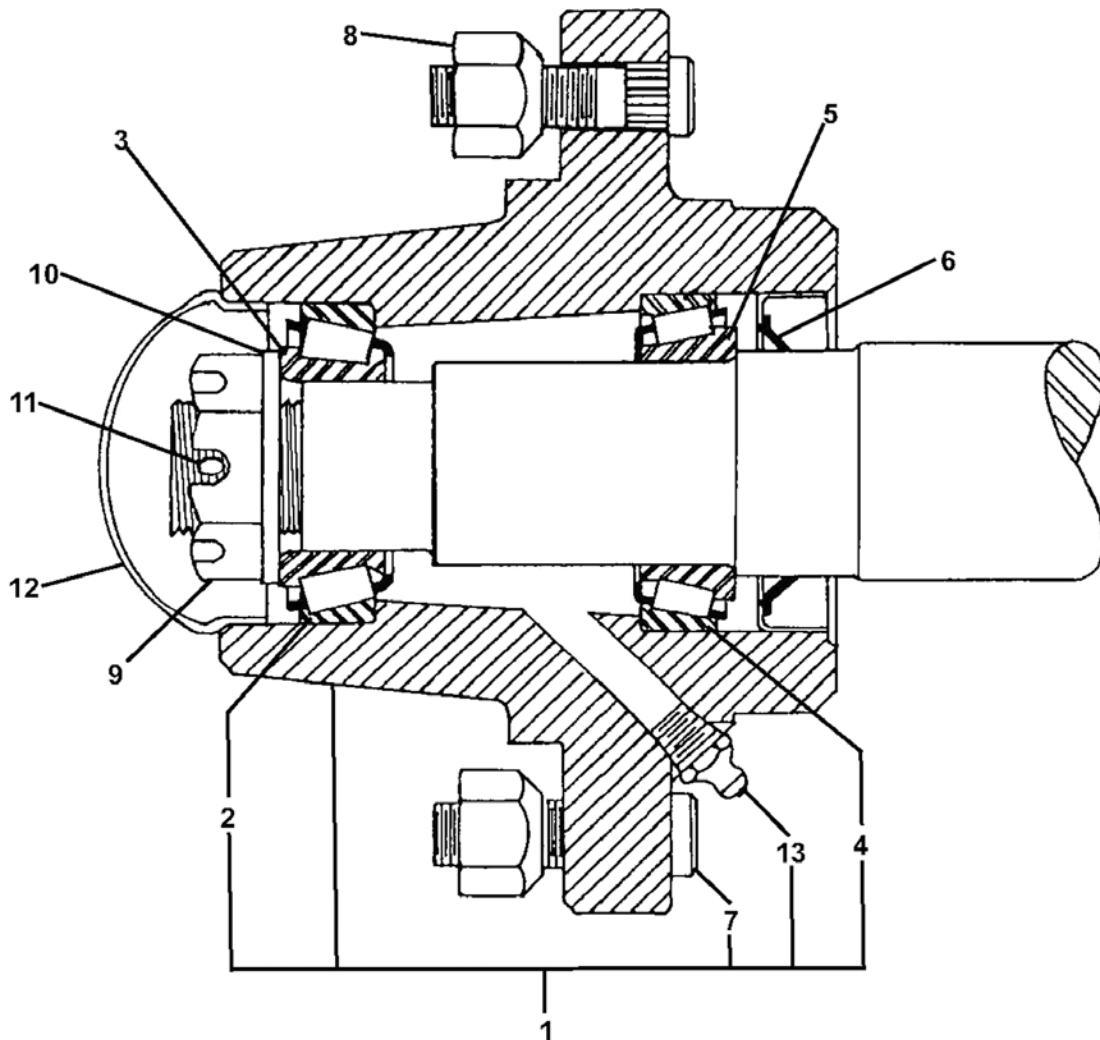
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	69116B1	Weldment, Housing Adjustment Link	1
2	69116A2	Weldment, Adjusting Link Rod	1
3	691154	Pin	3
4	37107B13	Hairpin, Cotter	3

GAUGE WHEEL**160 SERIES MODELS 160-08, 160-09BH, 160-10**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0831080200	Weldment, Planer Wheel Beam	1
2	0691500100	Weldment, Planer Wheel Mount	1
3	00758554	Weldment, Dual Caster Wheel	1
4	7A121080	Capscrew, 3/4-10 x 10 Gr 5	3
5	00037200	Locknut, Toplock 3/4 NC GRC	3
6	301042	Washer, Flat 2-1/6 x 3 x 3/16	1
7	59113	Spacer, Washer	1
8	5JRA2460	Locknut, Toplock DT 1-1/2-6 NC	1
9	00756489	Hub w/Cups & Studs	2
10	00025200	Tire, 6:00 x 9 Sectional Rubber	2
11	449BH	Grease Fitting	1

WHEEL HUB ASSEMBLY

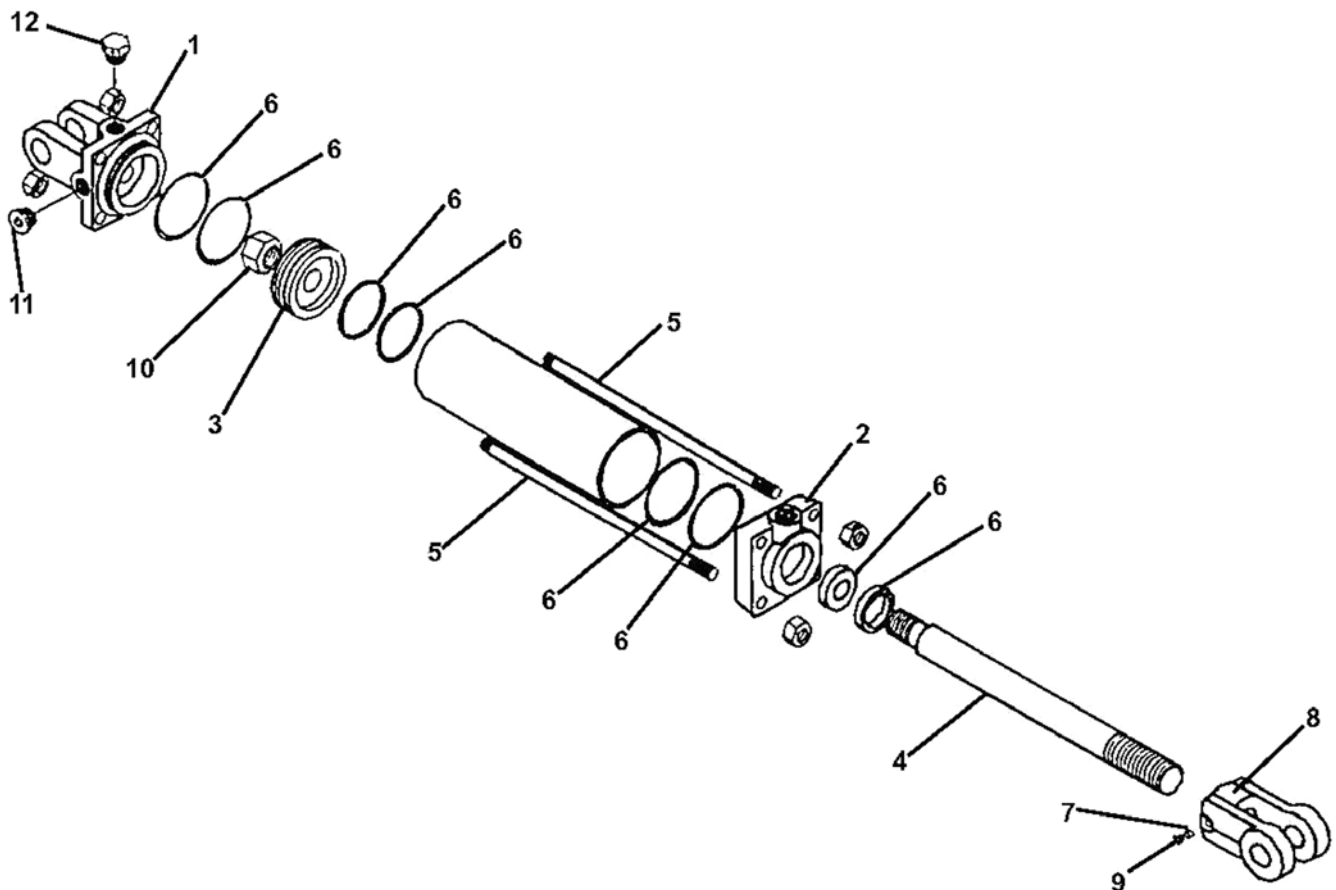
160 SERIES MODELS 160-08, 160-09BH, 160-10



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00756489	Hub w/Cups & Studs	1
2	00756576	Cup, Bearing (Outside)	1
3	0371242102	Cone, Bearing (Outside)	1
4	00756577	Cup, Bearing (Inside)	1
5	00750434	Cone, Bearing (Inside)	1
6	02957044	Seal, Oil Heavy Duty TK-15	1
7	13198	Bolt, Hub 1/2-20 NF x 1-7/8	5
8	00750614	Nut, 1/2-20 NF 90° Cone Lug	5
9	00756490	Nut, Slotted Thin 1 NF	1
10	00756493	Washer	1
11	00026200	Pin, Cotter 5/32 x 1-1/2	1
12	00756492	Cap, Dust	1
13	00003500	Zerk Fitting 1/8 Straight	1

HYDRAULIC CYLINDER - GAUGE WHEEL

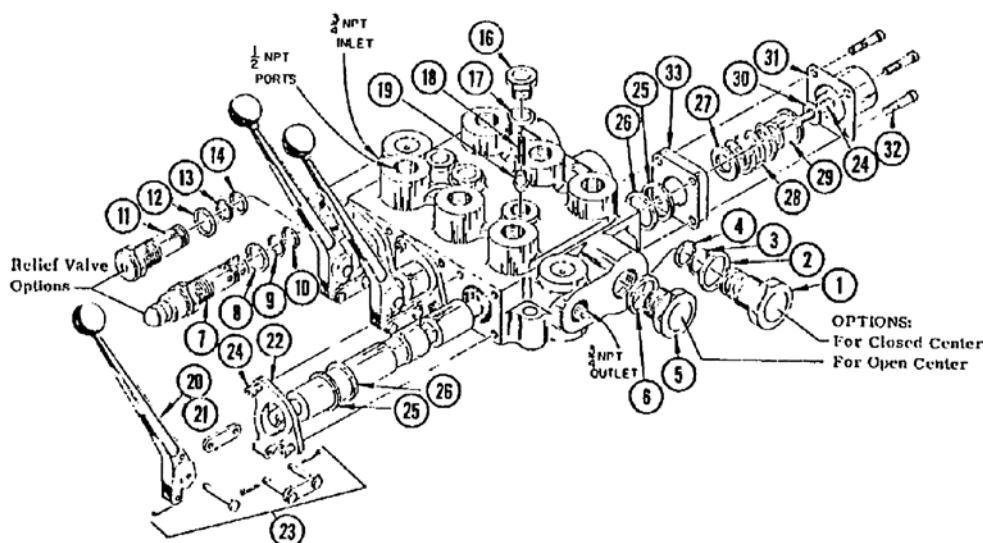
160 SERIES MODELS 160-08, 160-09BH, 160-10



REF. NO.	PART NO.	DESCRIPTION	QTY.
	8727A	Hydraulic Cylinder 2-1/2" Bore x 8" Stroke	1
1	00774729	Clevis Cap	1
2	00774734	Rod Cap	1
3	00774730	Piston	1
4	00774753	Rod, Cylinder	1
5	3047112	Rod, Tie	4
6	00774760	Seal Kit	1
7	3047117	Setscrew, Rubber Hd	1
8	1917140	Rod Clevis	1
9	00774740	Setscrew	1
10	5JRC12160	Locknut, TLM 3/4 NF	1
11	1917132	O-Ring Plug	1
12	2417154	Breather, Cylinder	1

CONTROL VALVE ASSEMBLY

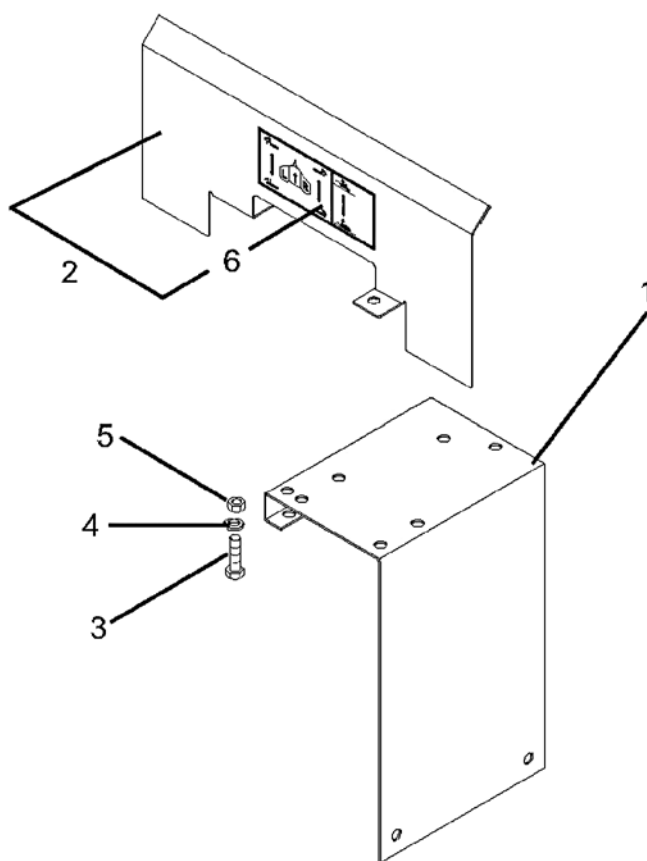
160 SERIES MODELS 160-08, 160-09BH, 160-10



REF. NO.	PART NO.	DESCRIPTION	QTY.
	069170000	Control Valve Complete (Open Center)	1
1	8526	Closed Center Lug Assy. (Incl. 2, 3, & 4)	1
2	N/A	O-Ring Seal	1
3	N/A	Backup Washer	1
4	N/A	O-Ring Seal	1
5	N/A	Conversion Plug Assy. (For Open Center)	1
6	N/A	O-Ring Seal	1
7	N/A	Adj. Relief Assy. (Incl. 10-13)	1
8	N/A	O-Ring Seal	1
9	N/A	Backup Washer	1
10	N/A	O-Ring Seal	1
11	6514037	No Relief Assy. (Incl. 12-14)	1
12	N/A	O-Ring Seal	1
13	N/A	Backup Washer	1
14	N/A	O-Ring Seal	1
16	N/A	Plug Assy.	3
17	N/A	O-Ring Seal	3
18	N/A	Spring	3
19	N/A	Load Check Poppet	3
20	N/A	Handle & Bracket Assy. (Incl. 21-23)	3
21	N/A	Handle	3
22	N/A	Handle Bracket	3
23	N/A	Pin Kit	3
24	N/A	Bolt	9
25	N/A	O-Ring Spool Washer	6
26	N/A	Spool Seal	6
27	N/A	Stop Washer	3
28	N/A	Spring	3
29	N/A	Stop Collar	3
30	N/A	Washer	3
31	N/A	End Cap	3
32	N/A	Bolt	12
33	N/A	Plate	3

BRACKET ASSY. VALVE MOUNT KIT

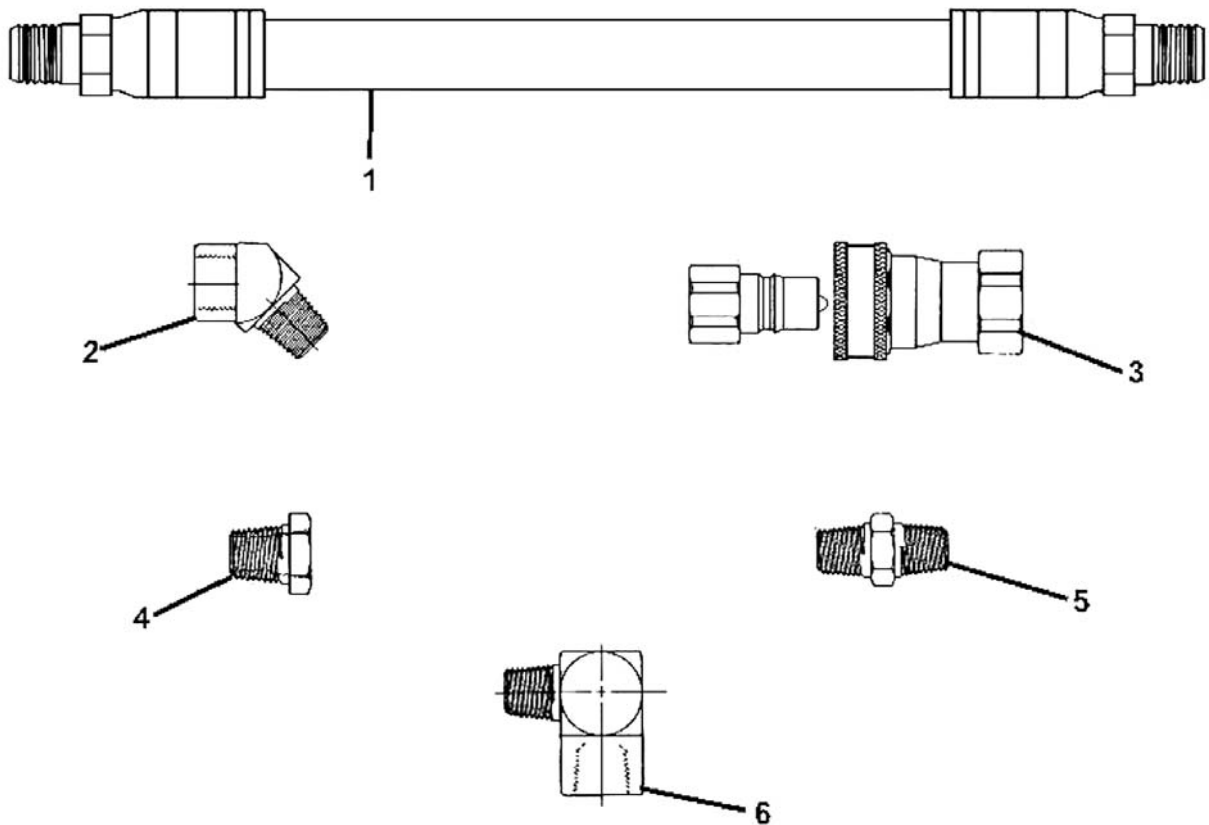
160 SERIES MODELS 160-08, 160-09BH, 160-10



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	8166M	Bracket, Valve Fender Mount	1
2	00759682	Shield, Valve Control	1
3	-----	Capscrew 3/8" x 1" Gr.5	4
	-----	Capscrew 3/8" x 2" Gr.5	1
	-----	Capscrew 3/8" x 4" Gr.5	2
4	-----	Lockwasher 3/8"	7
5	-----	Hex Nut 3/8"	7
6	N/A	Decal, Hydraulic Operation	1

HOSES & FITTINGS - VALVE MOUNT KIT

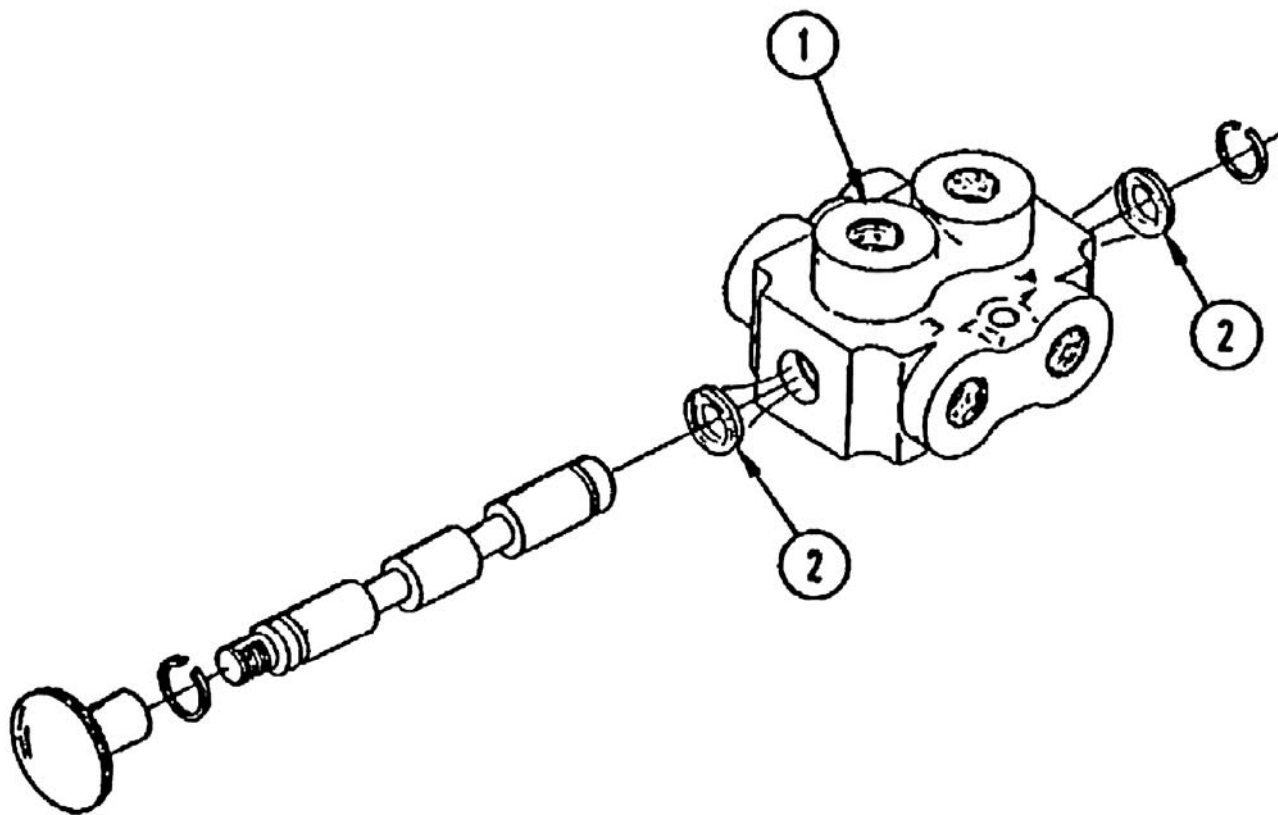
160 SERIES MODELS 160-08, 160-09BH, 160-10



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	1347	Hose, #8 8MP-8MP, 60" Lg	2
2	000999	Adapter, Pipe 8MP-8FP x 45°	2
3	00275400	Coupler, Q.D. #8	3
4	02048800	Reducer, 12MP-8FP	2
5	02960460	Adapter, Straight 8MP-8MP	3
6	94514	Adapter Hyd. Elbow 8MP-8FP x 90°	5
7	7336	Spacer, Shield 3-Spool Valve (Not Shown)	2

SELECTOR VALVE

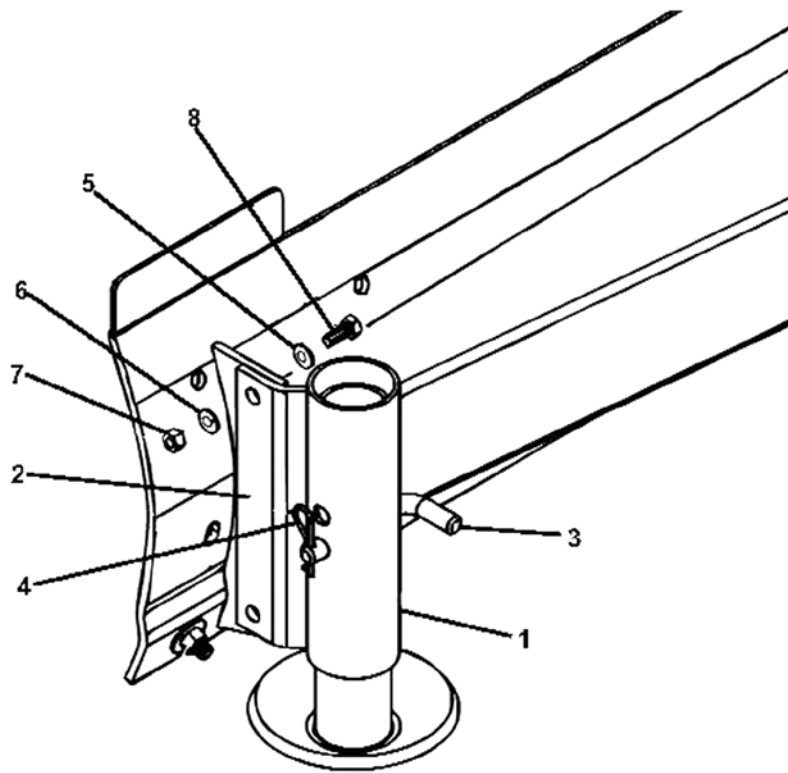
160 SERIES MODELS 160-08, 160-09BH, 160-10



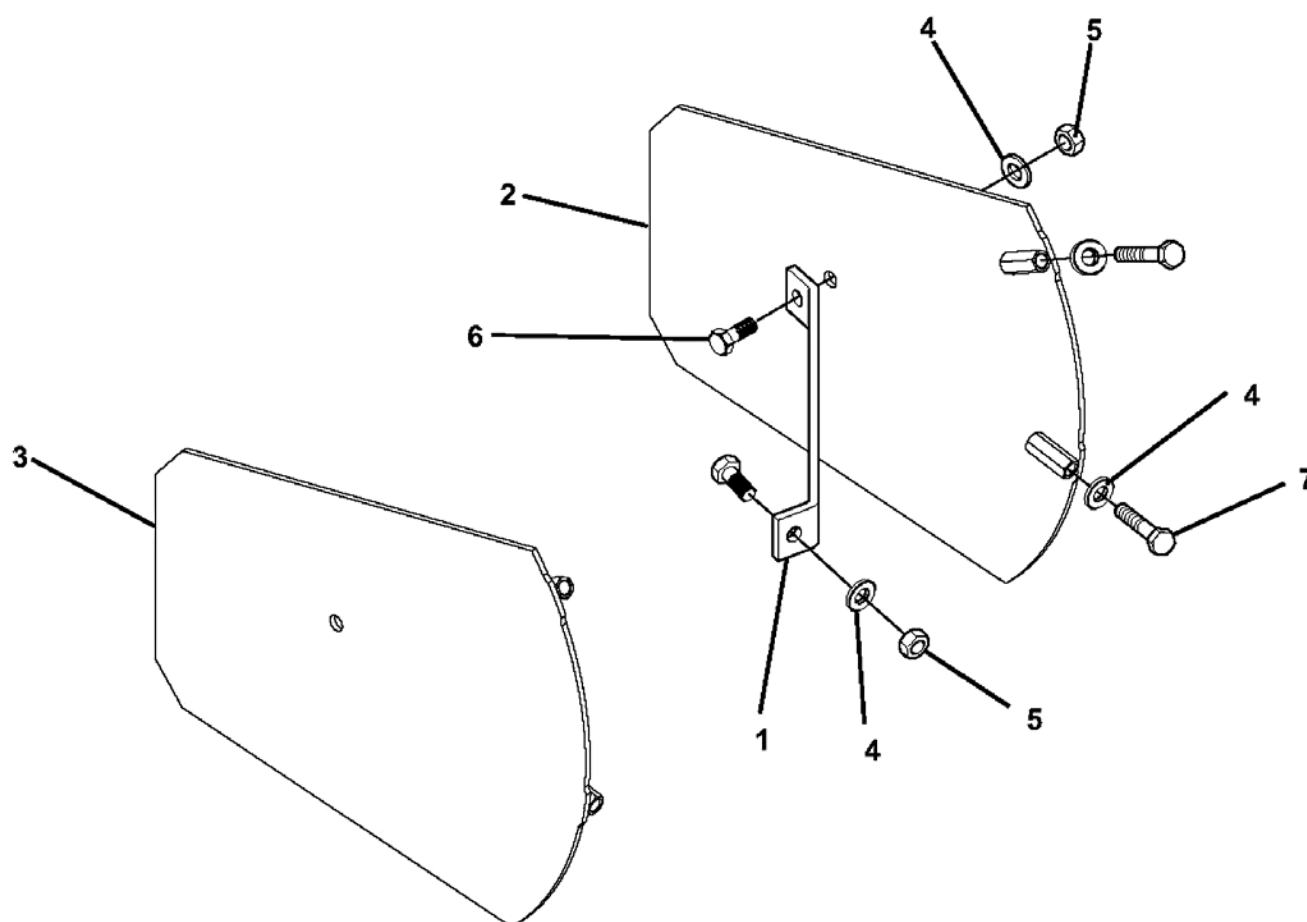
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0781300000	Selector Valve Assembly	1
2	N/A	Seal	2

SKID SHOES

160 SERIES MODELS 160-08, 160-09BH, 160-10



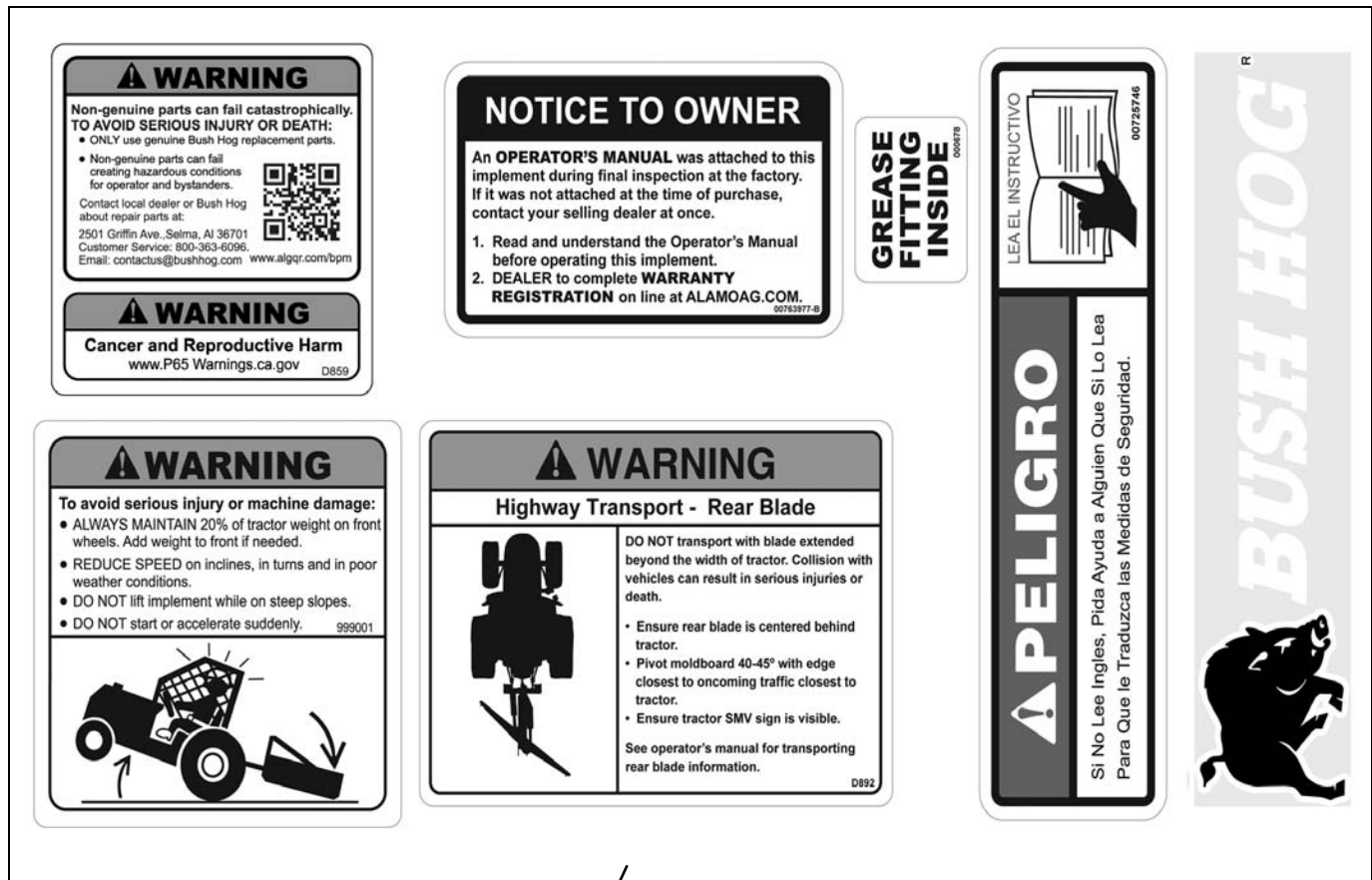
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00768243	Weldment, Skid Shoe	2
2	00768246	Weldment, Skid Shoe Mount	2
3	00768249	Pin, Adjusting	2
4	37107B13	Hairpin, Cotter	2
5	N/A	Flatwasher, 5/8	4
6	00010300	Lockwasher, 5/8 YZ	4
7	00010400	Hex Nut, 5/8 NC	4
8	02845500	Capscrew, 5/8 NC x 2, Gr 5	4

END PLATES**160 SERIES MODELS 160-08, 160-09BH, 160-10**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00786731	Strap, Brace	2
2	00786729	Weldment, Right End Plate	1
3	00786730	Weldment, Left End Plate	1
4	00756077	Washer, 5/8 Hardened	8
5	00695100	Locknut, Toplock 5/8 NC PLB	4
6	N/A	Capscrew, 5/8-11 x 1-1/2 Gr 5	4
7	N/A	Capscrew, 5/8 x 2-1/2, Gr 5	4

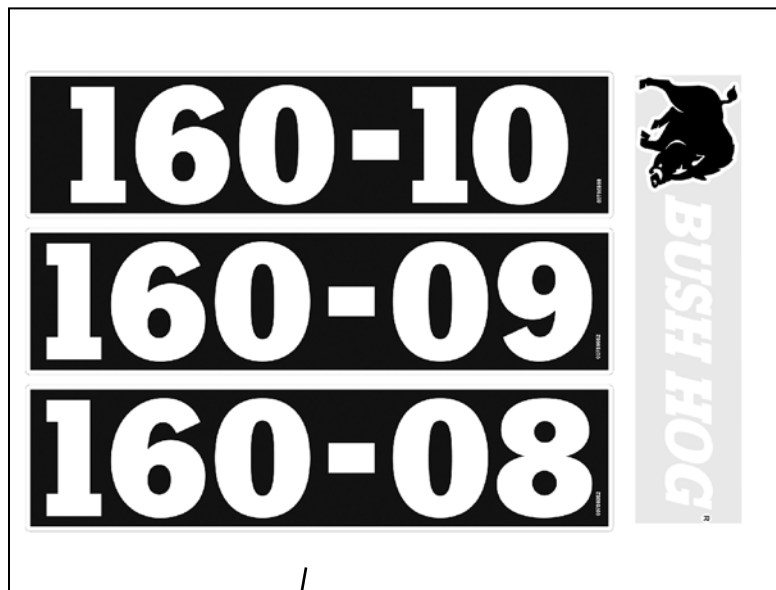
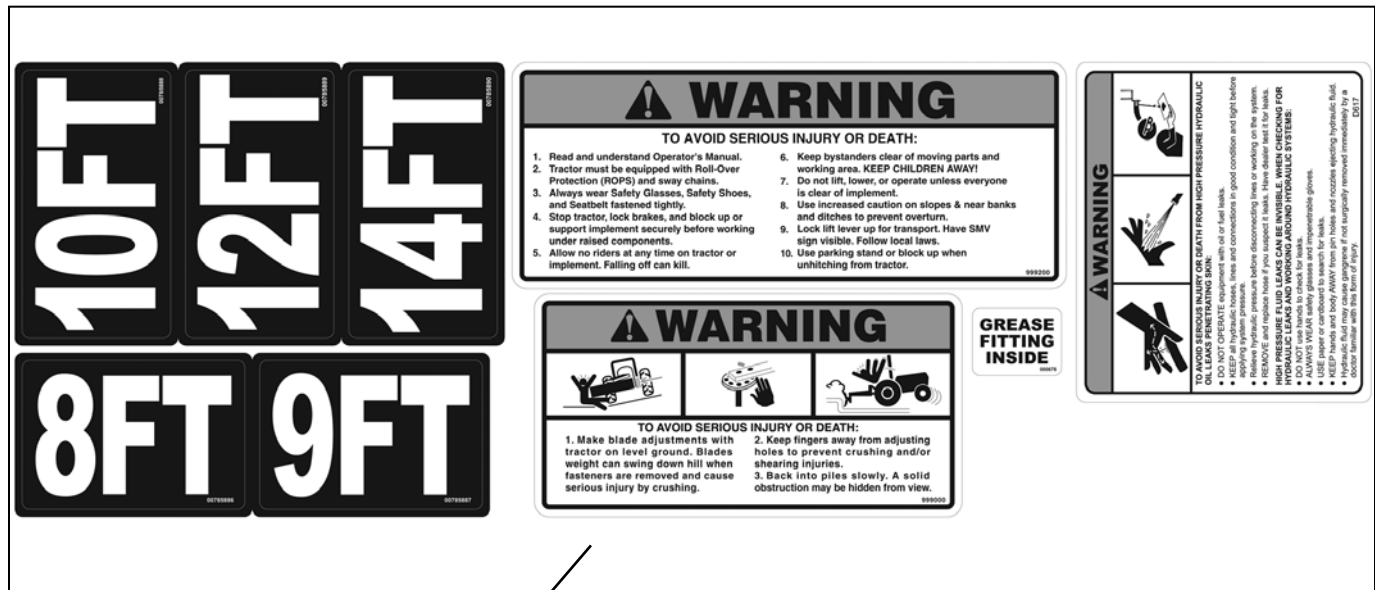
SAFETY DECAL SHEET - MAINFRAME

160 SERIES MODELS 160-08, 160-09BH, 160-10



1

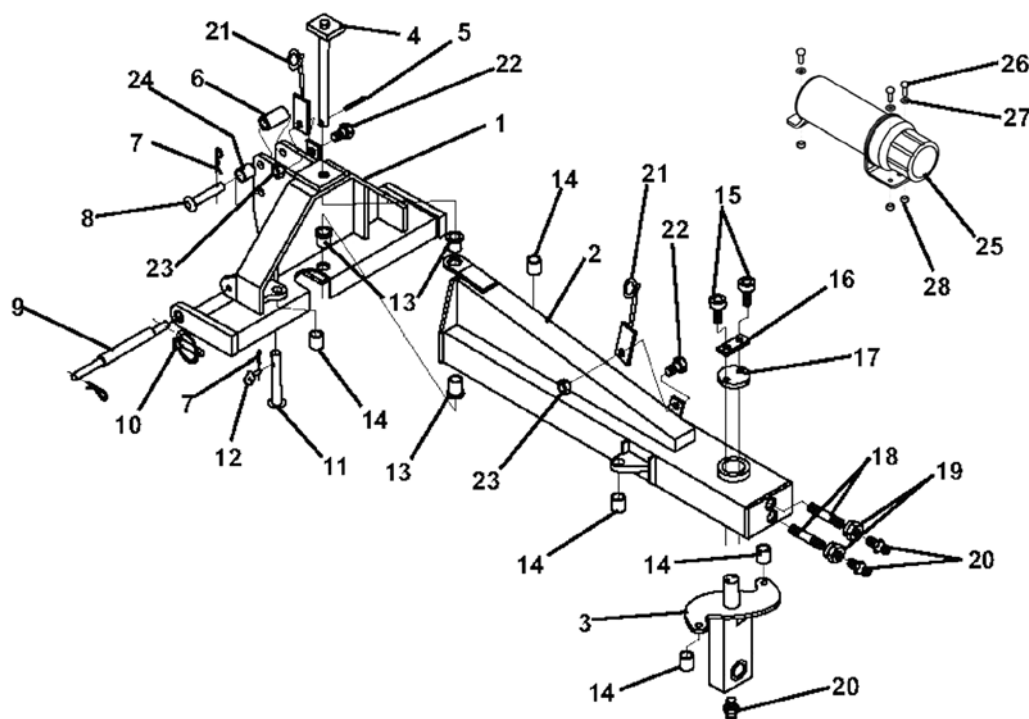
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789185	Sheet, Mainframe Decal	1

SAFETY DECAL SHEET - BLADE ASSEMBLY**160 SERIES MODELS 160-08, 160-09BH, 160-10**

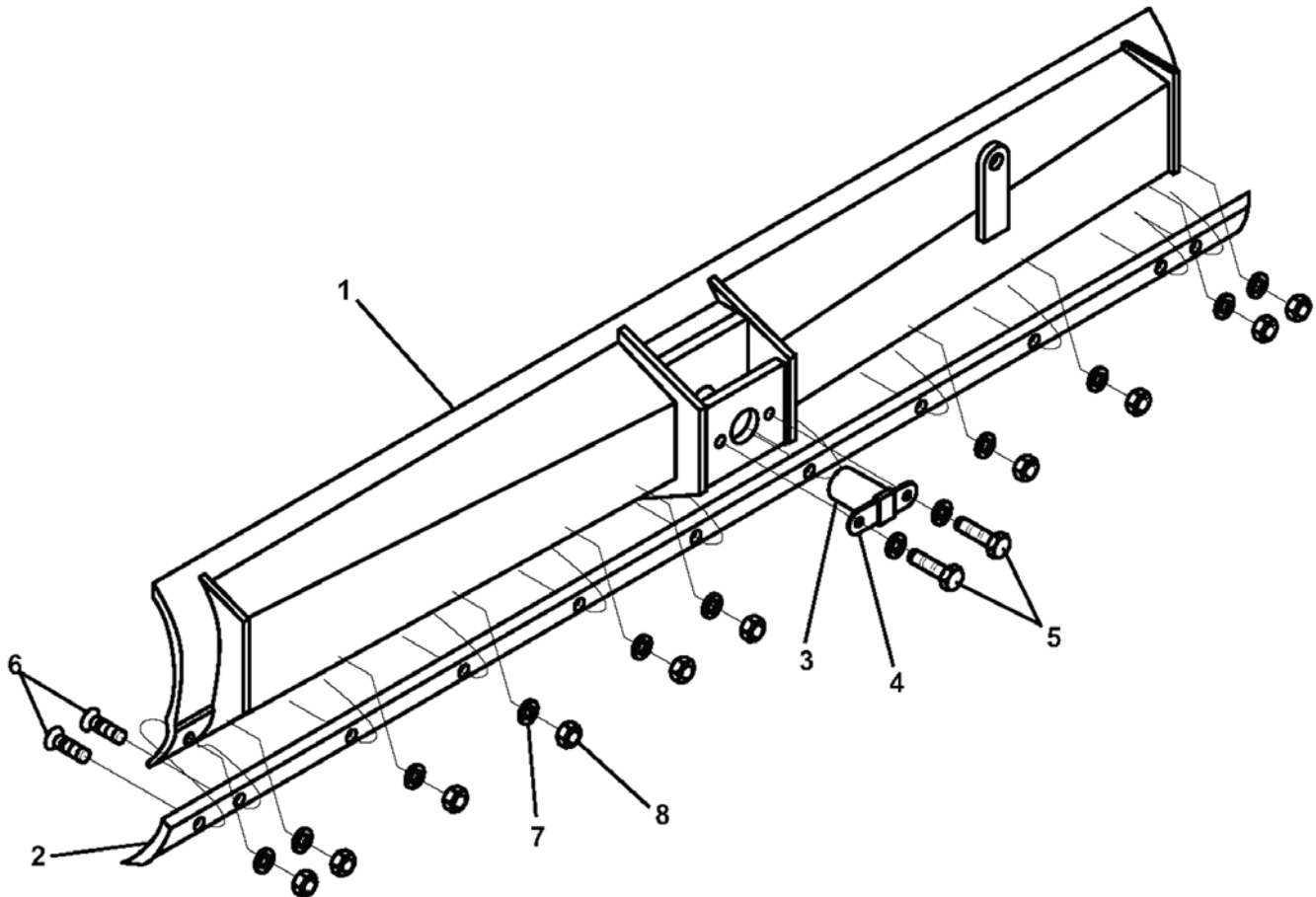
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789180	Sheet, Moldboard Decal	1
2	00789187	Sheet, 160 Series Moldboard Decal	1
3	1458392	Reflector Decal, Red (Not part of Sheet, order seperately)	2
4	1458393	Reflector Decal, Yellow (Not part of Sheet, order seperately)	1

MAINFRAME ASSEMBLY

225 SERIES MODELS 225-08, 225-10, 225-12

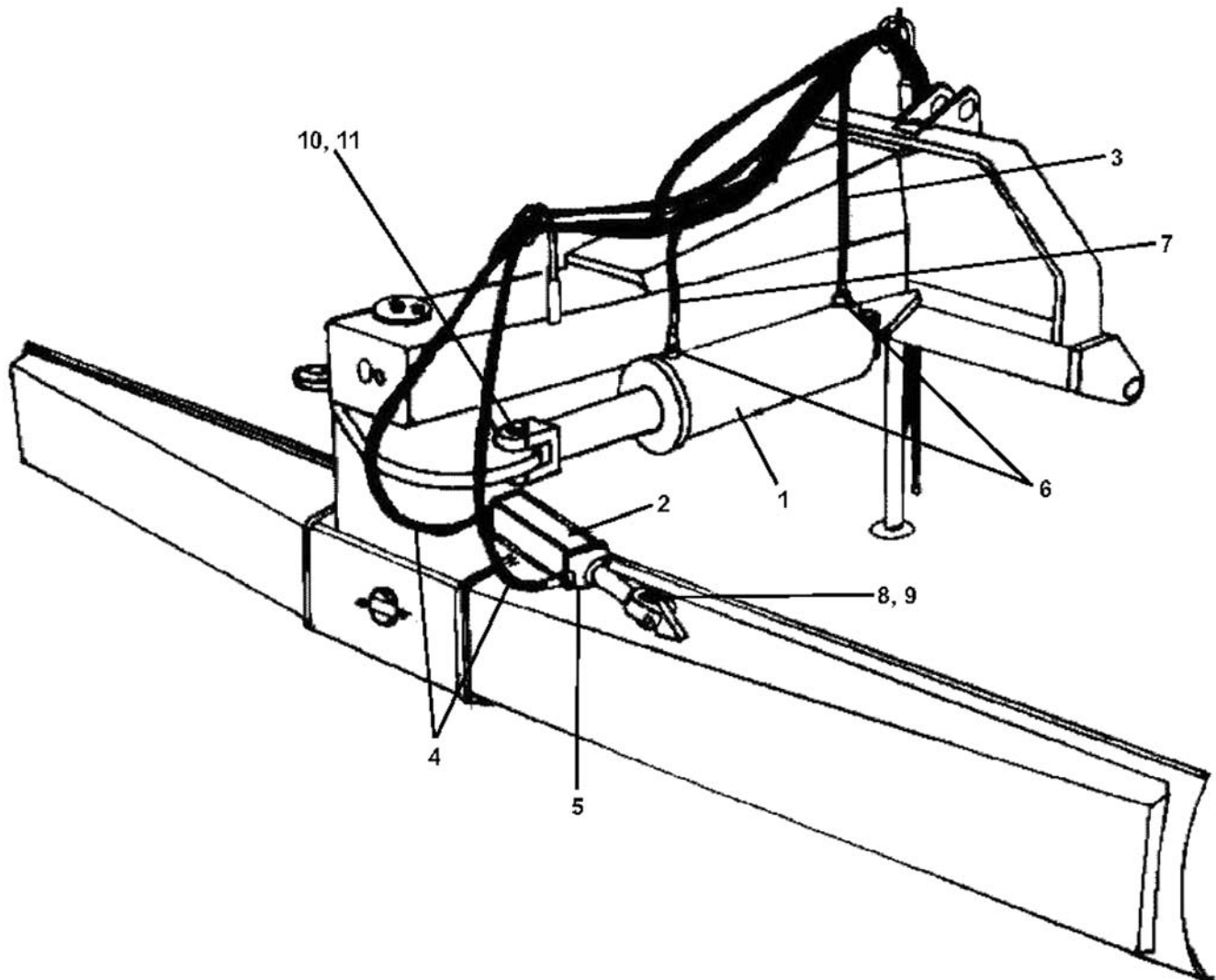


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00767371	A-Frame	1
2	00767383	Mainframe Weldment	1
3	00767399	Moldboard Carrier Weldment	1
4	00767440	Pivot Pin	1
5	N/A	Cotter Pin	1
6	69113	Top Link Bushing	1
7	37107B13	Hair Pin Cotter	2
8	69109	Top Link Pin	1
9	69141	Wrist Pin	2
10	2196	Pin, Lynch	4
11	0831140000	Support Stand	1
12	69112	Lock Pin	1
13	N/A	Bushing	3
14	N/A	Bushing	5
15	N/A	Bolt	2
16	00767437	Retainer Clip	1
17	00767436	King Pin Cap	1
18	19C1220	Nipple	2
19	N/A	Coupling	2
20	4720	Grease Fitting	2
21	0691320100	Hydraulic Hose Bracket Weldment	3
22	N/A	Bolt 5/8 NC x 1-1/2 Gr 5	2
23	00695100	Nut, Toplock 5/8 NC	2
24	N/A	Bushing	4
25	00776031	Canister, Parts Manual	1
26	N/A	Capscrew, 1/4 x 3/4 Gr 5	3
27	N/A	Washer, Flat 1/4	3
28	N/A	Nut, Lock 1/4	3

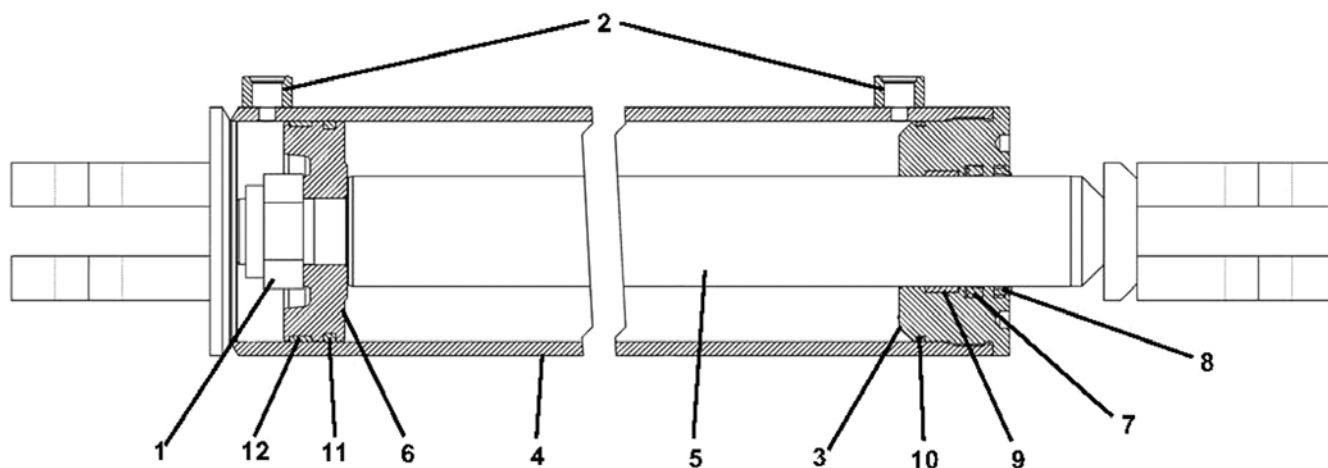
MOLDBOARD ASSEMBLY**225 SERIES MODELS 225-08, 225-10, 225-12**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00779809	Weldment, Moldboard 8 Ft	1
	00767445	Weldment, Moldboard 10 Ft	1
	00767407	Weldment, Moldboard 12 Ft	1
2	441111	Blade, Grader - 8 Ft	1
	691372	Blade, Grader - 10 Ft	1
	3W8	Blade, Grader - 12 Ft	2
3	00767443	Weldment, Pivot Pin	1
4	69111	Pin Retainer	1
5	N/A	Capscrew, 5/8-11 x 1-1/4 Gr 2	2
6	2A3101116	Plow Bolt, 5/8 x 2	10
7	00010300	Washer, Lock 5/8	12
8	00010400	Nut, Hex 5/8	10

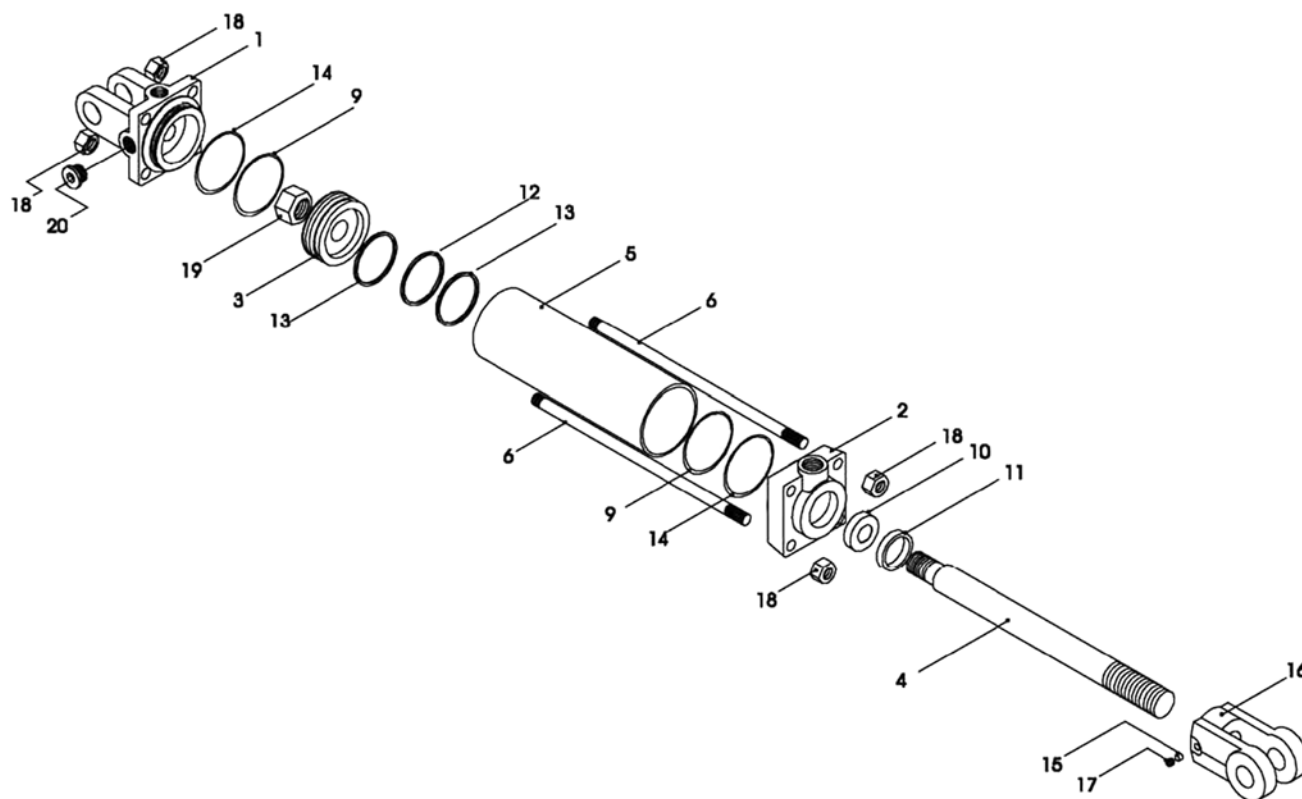
Note: For items 6-8 add 2 for 10 Ft Moldboard
and 6 for 12 Ft Moldboard

HYDRAULICS**225 SERIES MODELS 225-08, 225-10, 225-12**

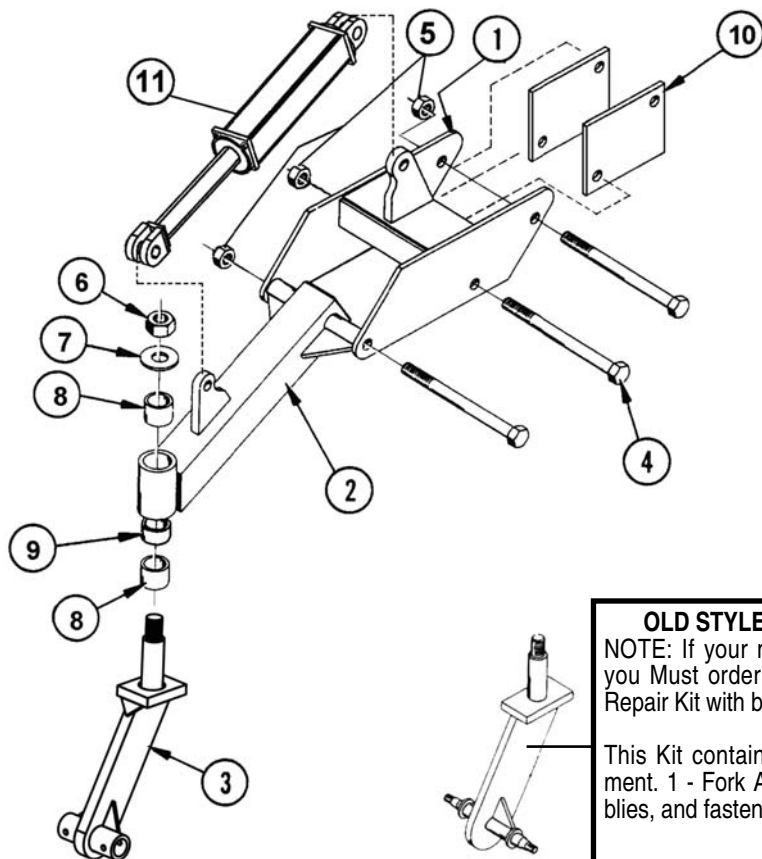
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00767420A	Hydraulic Cylinder (Swing and Pivot)	2
2	00761802A	Hydraulic Cylinder (Tilt)	1
3	691302	Hydraulic Hose 96" #6-8MP X 8MP	2
4	B651302	Hose 180" #6-8MP-8MP	2
5	11565	Elbow Adapter 8MP X 8FP 90°	2
6	0652141311	Adapter, Hydraulic Straight 8MP-8FP	4
7	651132	Hydraulic Hose 144" #6 - 8MP X 8MP	2
8	8354	Pin, Cylinder	2
9	00606000	Pin, Cotter 3/16 x 2	2
10	00767470	Pin, Hydraulic Cylinder	4
11	00036900	Pin, Cotter 1/4 x 2-1/2	4
12	8639-2	Coupling, 1/8 NPT Std (Not Shown)	4

HYDRAULIC CYLINDER - SWING & PIVOT**MAINFRAME SWING & MOLDBOARD PIVOT****225 SERIES MODELS 225-08, 225-10, 225-12**

REF. NO.	PART NO.	DESCRIPTION	QTY.
	00767420A	Hydraulic Cylinder 5" Bore x 18" Stroke	1
	02975533	Seal Kit (Items 7-12)	1
1	00775917	Nut, Hex 1-1/2-12 UNF Gr C	1
2	00724359	Hydraulic Fitting Plug	2
3	00776101	Head, Cylinder 5.00-2.50 w/Ring	1
4	00776102	Tube, Cylinder 5.00-18.00-W-S	1
5	00776103	Rod, Cylinder 2.50-18.00-W-S	1
6	00776104	Piston, Cylinder 4.50-1.50-WR	1
7	-----	Seal Hallite	1
8	-----	Seal Wiper Rod	1
9	-----	Seal	1
10	-----	O-Ring	1
11	-----	Seal PSP Piston Ring	1
12	-----	Wear Ring	1

HYDRAULIC CYLINDER - TILT & GAUGE WHEEL**225 SERIES MODELS 225-08, 225-10, 225-12**

REF. NO.	PART NO.	DESCRIPTION	QTY
	00761802A	Hydraulic Cylinder 3-1/2" Bore x 8" Stroke	1
	00774759	Seal Kit	1
1	00774728	Clevis Cap	1
2	00774735	Rod Cap	1
3	00774733	Piston	1
4	00774739	Rod	1
5	00774750	Tube	1
6	00774745	Tie Rod	4
9	-----	O-Ring, End Cap	2
10	-----	Wiper Seal, Rod	1
11	-----	Dust Seal, Rod	1
12	-----	Seal, Piston	1
13	-----	Wear Ring, Piston	2
14	-----	Washers, End Cap Backup	2
15	3047117	Nylon Thread Protector	1
16	1917140	Rod Clevis	1
17	00774740	Set Screw 3/8" x 1/2" Knurled	1
18	N/A	Nut, Tie Rod	8
19	5JRC16140	Piston Nut 1" NF Locknut	1
20	1917132	Port Plug	1

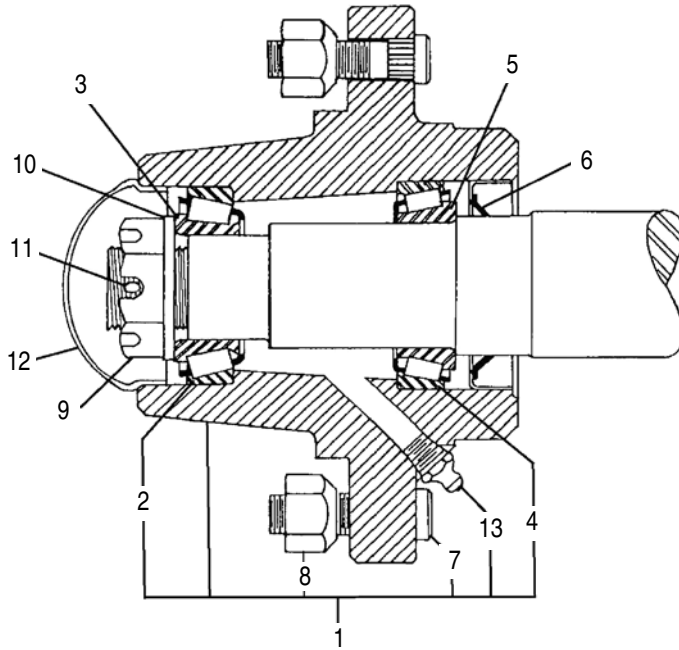
GAUGE WHEEL**225 SERIES MODELS 225-08, 225-10, 225-12**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0801100100	Weldment, Planer Wheel Mount	1
2	0801100200	Weldment, Planer Wheel Beam	1
3	00788420	Weldment, Caster Fork	1
4	00788422	Caster Fork Field Repair Kit (For Old Style Caster Fork replacement)	1
5	7A168120	Bolt	3
6	02030300	Nut, Hex	3
7	5JRA2460	Locknut, Toplock DT 1-1/2-6 NC	1
8	59113	Spacer, Washer	1
9	N/A	Bushing	2
10	N/A	Bushing, Spacer	1
11	371247SA	Hub, w/Cups & Studs (Not Shown)	2
12	00767370	Spacer Plate	2
13	00761802A	Cylinder, Hydraulic	1
14	00025200	Tire, 6:00 x 9 Sectional Rubber (Not Shown)	2
15	6513015	Hose, 216" #6-8MP-8MP (Not Shown)	2
16	8354	Pin, Hydraulic Cylinder (Not Shown)	2
17	94514	Adapter, Hydraulic Elbow 8MP-8FP x 90° (Not Shown)	2
18	00606000	Pin, Cotter 3/16 x 2 (Not Shown)	2
	0652141311	Adapter, Hydraulic Straight 8MP-8FP (Not Shown)	2

WHEEL HUB ASSEMBLY

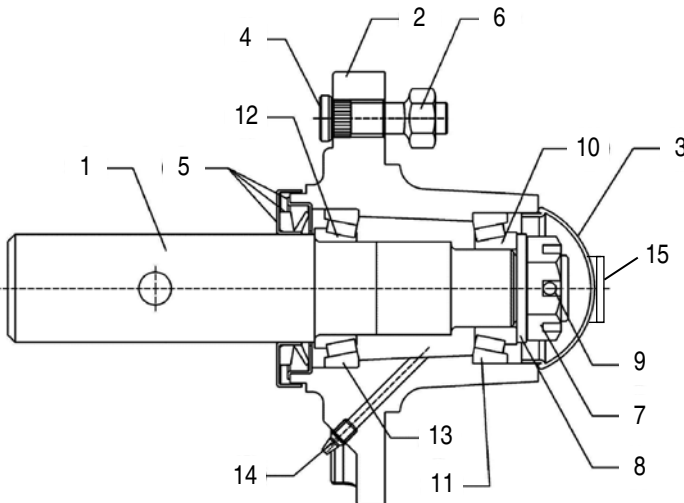
225 SERIES MODELS 225-08, 225-10, 225-12

OLD STYLE WITH NON REPLACEBLE SPINDLES



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	371247SA	Hub w/Cups & Studs	1
2	00016900	Cup, Bearing (Outside)	1
3	02957149	Cone, Bearing (Outside)	1
4	371247D	Cup, Bearing (Inside)	1
5	371247E	Cone, Bearing (Inside)	1
6	371247F	Seal, Oil Heavy Duty	1
7	13198	Bolt, Hub 1/2-20 NF x 1-7/8	5
8	00750614	Nut, 1/2-20 NF 90° Cone Lug	5
9	371247J	Nut, Slotted	1
10	15B1400	Washer	1
11	00026200	Pin, Cotter 5/32 x 1-1/2	1
12	371247G	Cap, Dust	1
13	00003500	Zerk Fitting 1/8 Straight	1

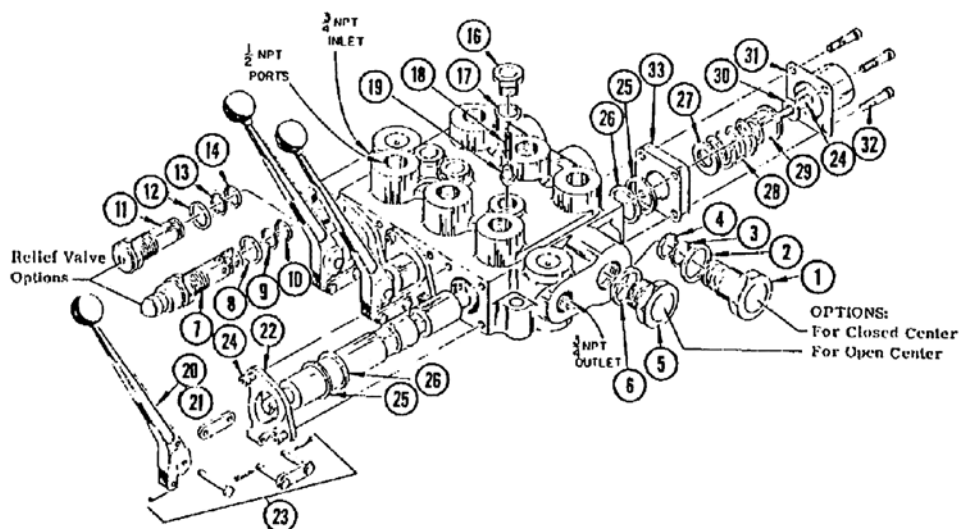
NEW STYLE WITH BOLT ON REPLACEBLE SPINDLES



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00775616A	Hub & Spindle Assy	1
2	00774821	Spindle Single Wheel	1
3	00779456	Hub W/ Cups & Studs	1
4	00756492	Dust Cap	1
5	13198	Bolt, Stud 1/2-20 NF X 1-7/8	5
6	00778108	Seal Protector	1
7	00756014	Lug Nut 1/2-20 NF	5
8	00756490	Nut Slotted Thin 1 NF PLC	1
9	00756493	Washer	1
10	00026200	Pin-Cotter 5/32 X 1-1/2	1
11	00750434	Bearing Cone Inside	1
12	00756576	Bearing Cup Outside	1
13	0371242102	Bearing Cone	1
14	00756577	Bearing Cup Inside	1
15	00003500	Zerk Fitting 1/8 Straight	1
	00779455	Dust Cap Retainer	1

CONTROL VALVE ASSEMBLY

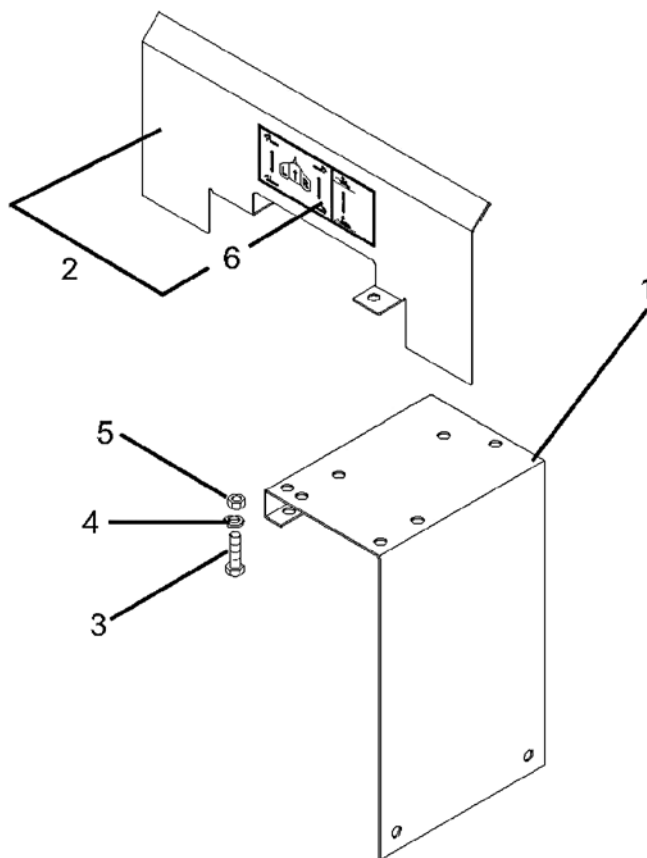
225 SERIES MODELS 225-08, 225-10, 225-12



REF. NO.	PART NO.	DESCRIPTION	QTY.
	0691700000	Control Valve Complete (Open Center)	1
1	8526	Closed Center Lug Assy. (Incl. 2, 3, & 4)	1
2	N/A	O-Ring Seal	1
3	N/A	Backup Washer	1
4	N/A	O-Ring Seal	1
5	N/A	Conversion Plug Assy. (For Open Center)	1
6	N/A	O-Ring Seal	1
7	N/A	Adj. Relief Assy. (Incl. 10-13)	1
8	N/A	O-Ring Seal	1
9	N/A	Backup Washer	1
10	N/A	O-Ring Seal	1
11	6514037	No Relief Assy. (Incl. 12-14)	1
12	N/A	O-Ring Seal	1
13	N/A	Backup Washer	1
14	N/A	O-Ring Seal	1
16	N/A	Plug Assy.	3
17	N/A	O-Ring Seal	3
18	N/A	Spring	3
19	N/A	Load Check Poppet	3
20	N/A	Handle & Bracket Assy. (Incl. 21-23)	3
21	N/A	Handle	3
22	N/A	Handle Bracket	3
23	N/A	Pin Kit	3
24	N/A	Bolt	9
25	N/A	O-Ring Spool Washer	6
26	N/A	Spool Seal	6
27	N/A	Stop Washer	3
28	N/A	Spring	3
29	N/A	Stop Collar	3
30	N/A	Washer	3
31	N/A	End Cap	3
32	N/A	Bolt	12
33	N/A	Plate	3

BRACKET ASSY. VALVE MOUNT KIT

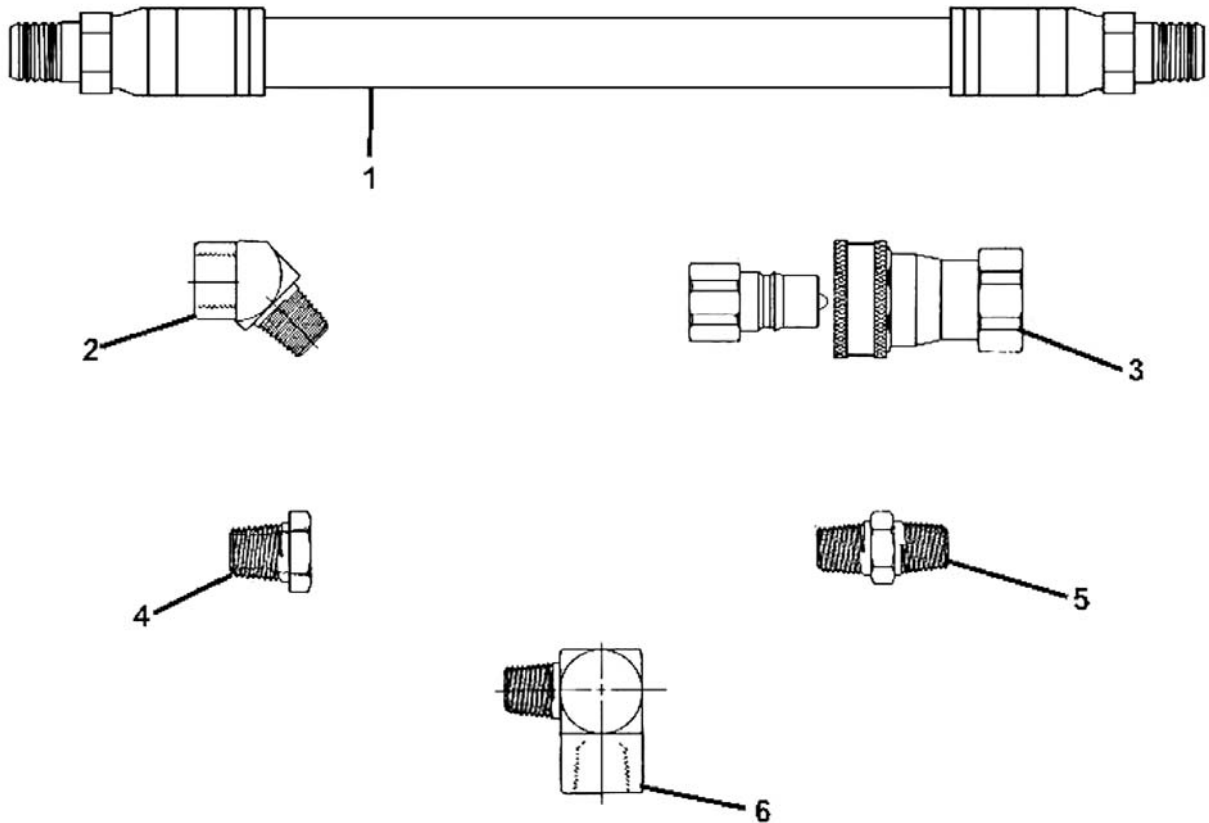
225 SERIES MODELS 225-08, 225-10, 225-12



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	8166M	Bracket, Valve Fender Mount	1
2	00759682	Shield, Valve Control	1
3	-----	Capscrew 3/8" x 1" Gr.5	4
	-----	Capscrew 3/8" x 2" Gr.5	1
	-----	Capscrew 3/8" x 4" Gr.5	2
4	-----	Lockwasher 3/8"	7
5	-----	Hex Nut 3/8"	7
6	N/A	Decal, Hydraulic Operation	1

HOSES & FITTINGS - VALVE MOUNT KIT

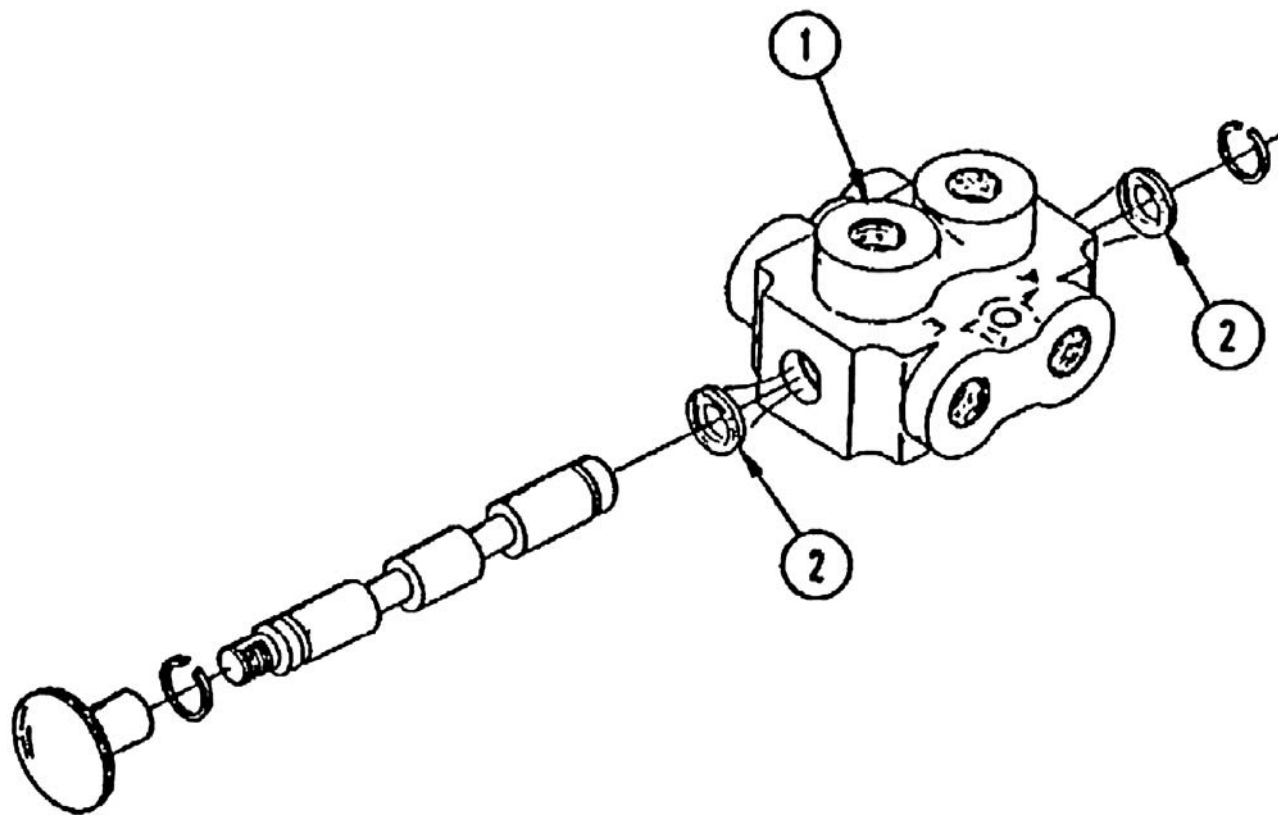
225 SERIES MODELS 225-08, 225-10, 225-12



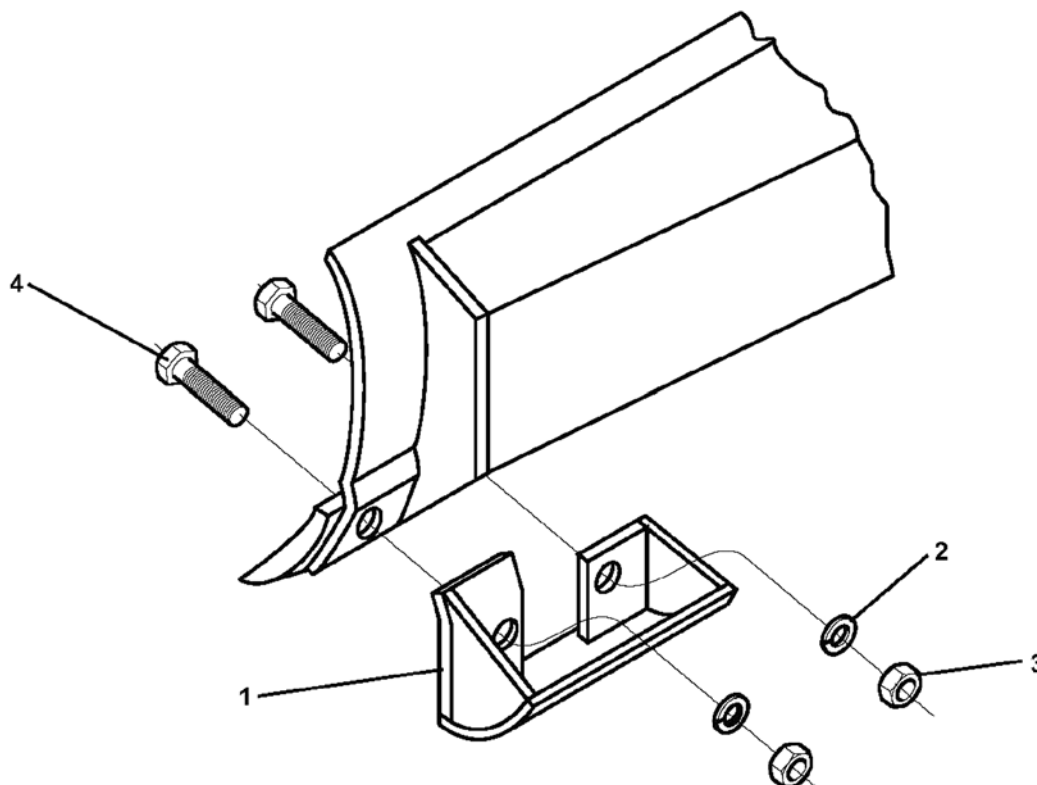
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	1347	Hose, #8 8MP-8MP, 60" Lg	2
2	000999	Adapter, Pipe 8MP-8FP x 45°	2
3	00275400	Coupler, Q.D. #8	3
4	02048800	Reducer, 12MP-8FP	2
5	02960460	Adapter, Straight 8MP-8MP	3
6	94514	Adapter Hyd. Elbow 8MP-8FP x 90°	5
7	7336	Spacer, Shield 3-Spool Valve (Not Shown)	2

SELECTOR VALVE

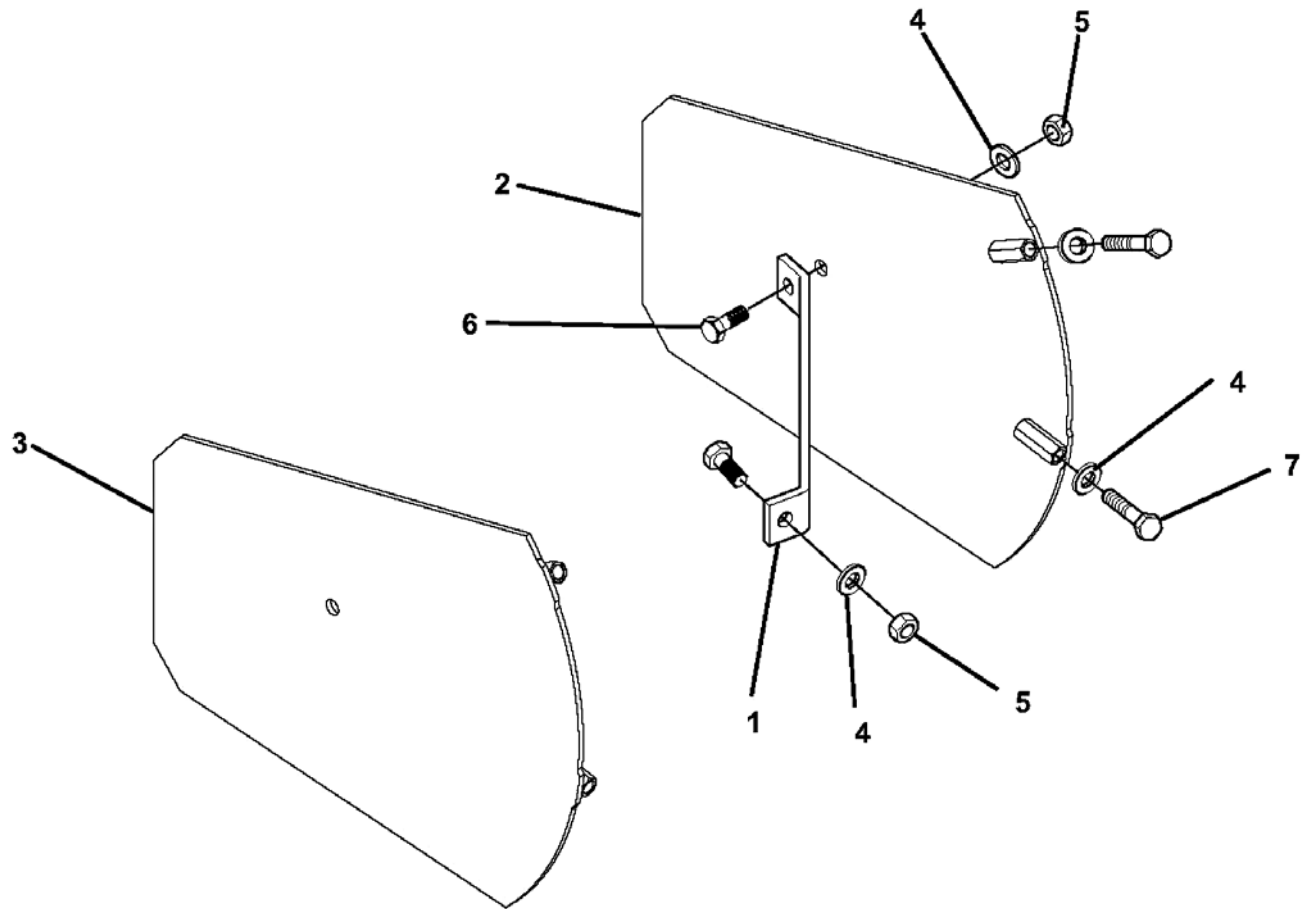
225 SERIES MODELS 225-08, 225-10, 225-12



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0781300000	Selector Valve Assembly	1
2	N/A	Seal	2

SKID SHOES**225 SERIES MODELS 225-08, 225-10, 225-12**

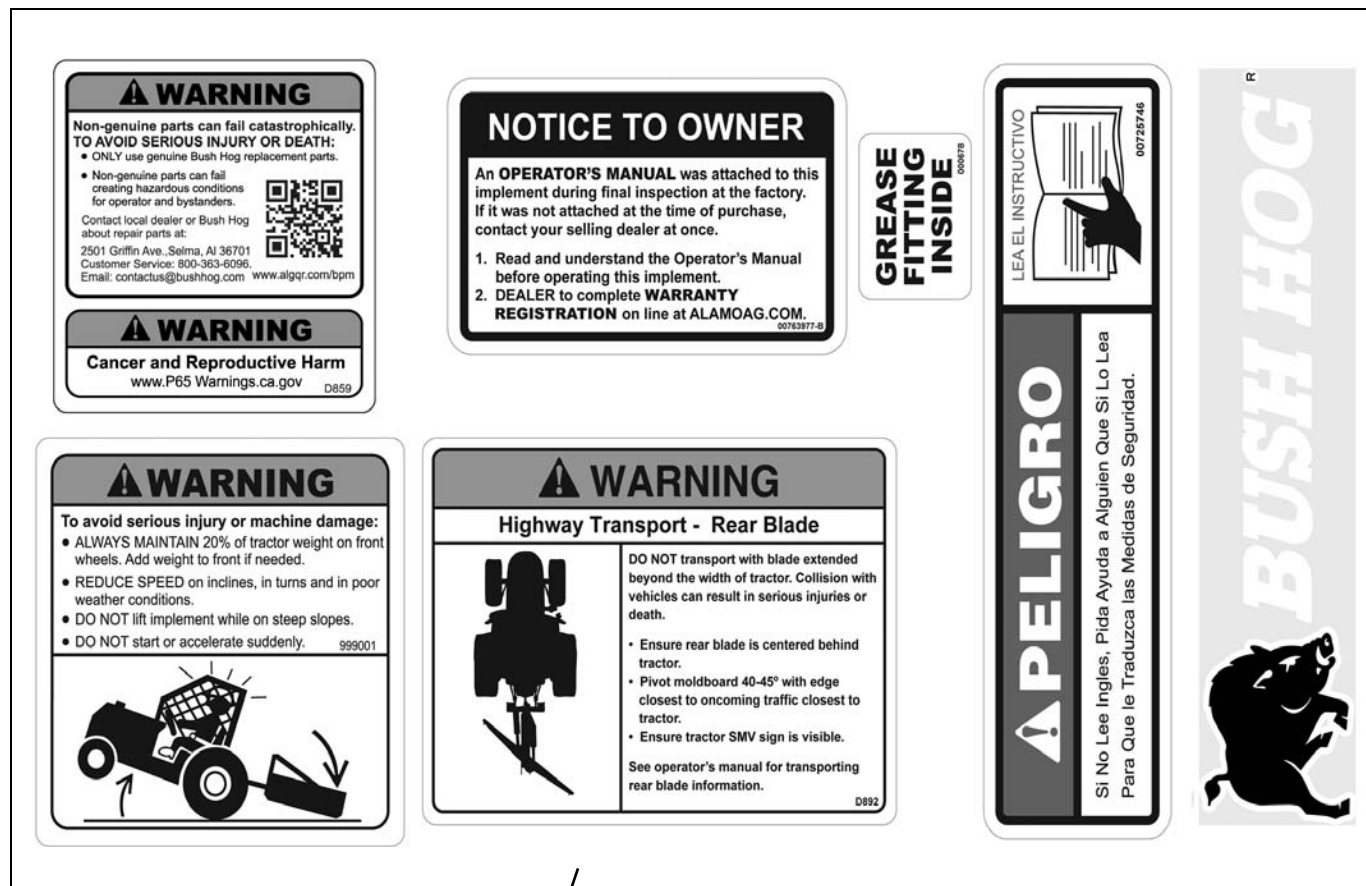
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0691380100	Shoe, Moldboard Weldment	2
2	00010300	Lockwasher, 5/8 YZ	4
3	00010400	Hex Nut, 5/8 NC	4
4	2A3101120	Plow Bolt, 5/8 NC x 2-1/2	4

END PLATES**225 SERIES MODELS 225-08, 225-10, 225-12**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00786731	Strap, Brace	2
2	00786729	Weldment, Right End Plate	1
3	00786730	Weldment, Left End Plate	1
4	00756077	Washer, 5/8 Hardened	8
5	00695100	Locknut, Toplock 5/8 NC PLB	4
6	N/A	Capscrew, 5/8-11 x 1-1/2 Gr 5	4
7	N/A	Capscrew, 5/8 x 2-1/2, Gr 5	4

SAFETY DECAL SHEET - MAINFRAME

225 SERIES MODELS 225-08, 225-10, 225-12



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789185	Sheet, Mainframe Decal	1

225 SERIES MODELS 225-08, 225-10, 225-12

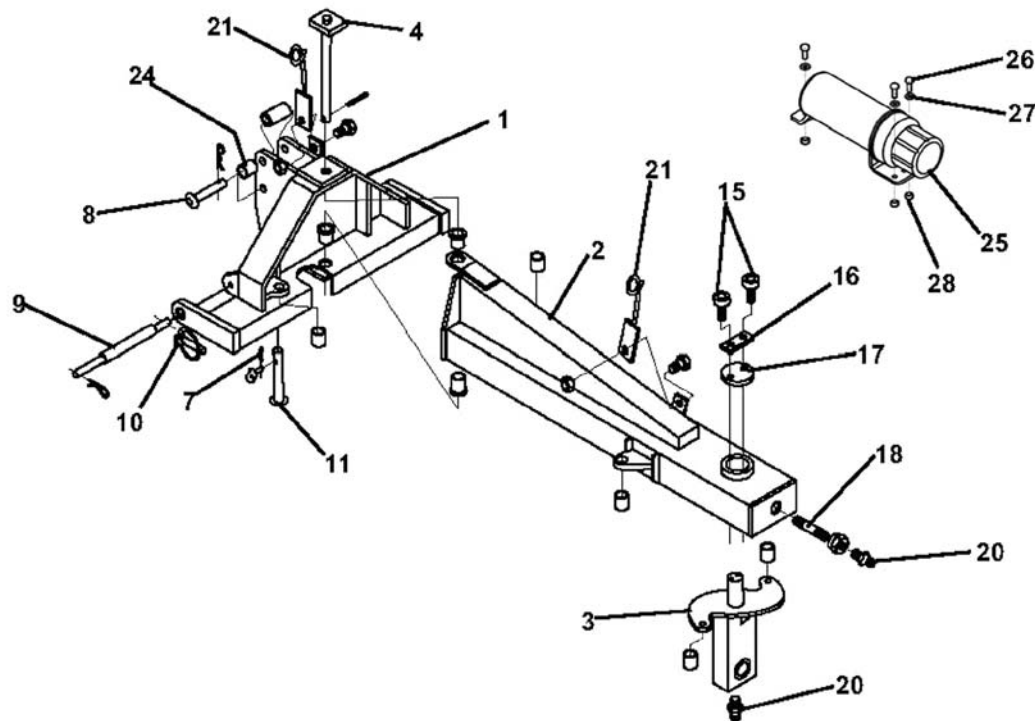


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789180	Sheet, Moldboard Decal	1
2	00789188	Sheet, 225 Moldboard Decal	1
3	1458392	Reflector Decal, Red (Not part of Sheet, order seperately)	2
4	1458393	Reflector Decal, Yellow (Not part of Sheet, order seperately)	1
5	1458398	Reflector Decal, Orange (12 Ft only)(Not part of Sheet, order seperately)	4

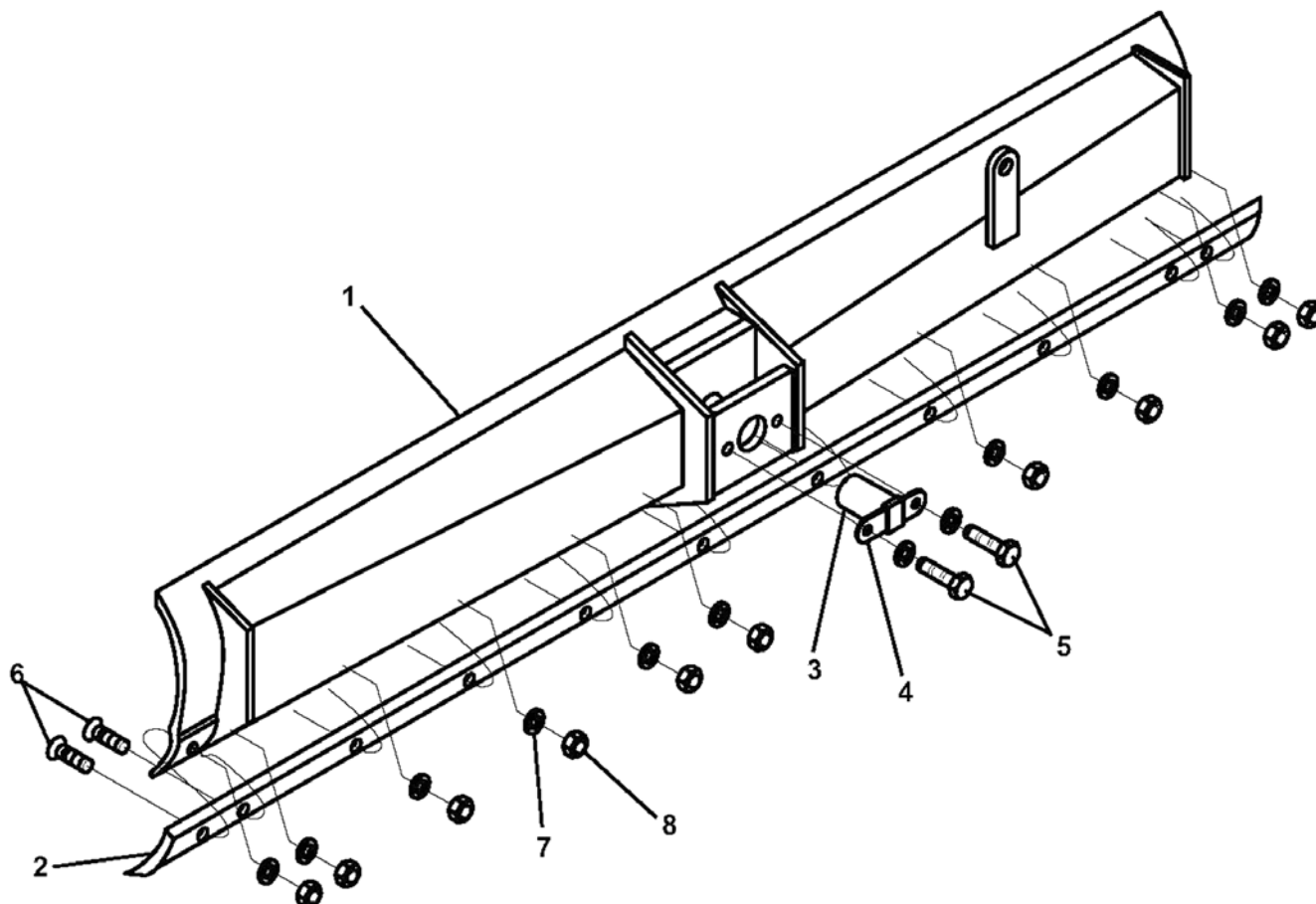
Note: For Item 3 add 2 for 12 Ft Unit. For Item 4 add 1 for 12 Ft Unit.

MAINFRAME ASSEMBLY

300 SERIES MODELS 300-12, 300-14

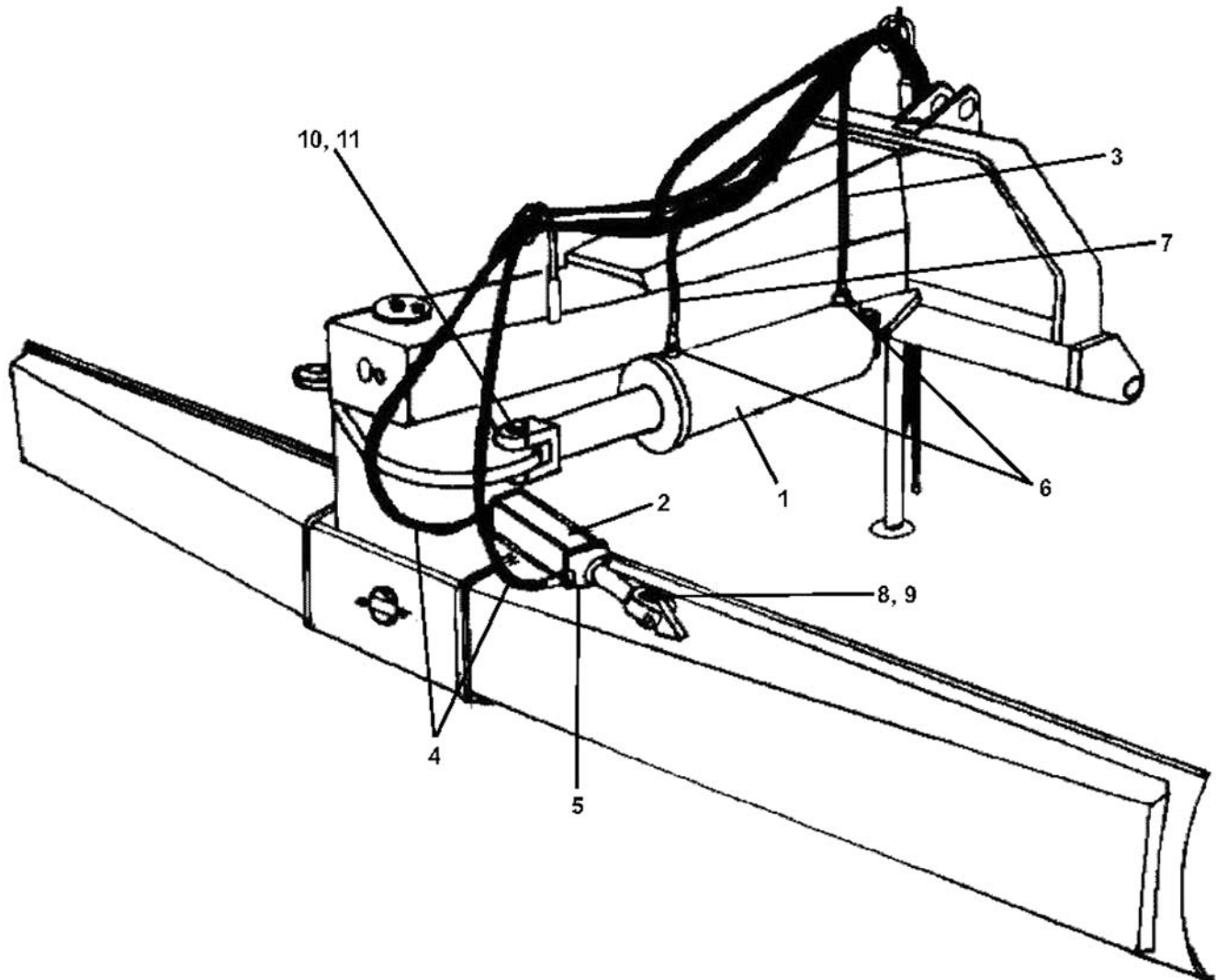


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0801020000	A-Frame	1
2	0801010000	Mainframe Weldment	1
3	0801030000	Moldboard Carrier Weldment	1
4	0801060000	Pivot Pin	1
5	N/A	Cotter Pin	1
6	N/A	Top Link Bushing	1
7	2192	Hair Pin Cotter	1
8	0801000003	Pin, Upper Hitch	1
9	0801000002	Pin, Lower Hitch	2
10	2196	Pin, Lynch	3
11	0801080000	Support Stand	1
12	0791110300	Wheel Pin Weldment	1
13	N/A	Bushing	3
14	N/A	Bushing	5
15	N/A	Bolt	2
16	69117	Retainer Clip	1
17	0801000001	Plate, Upper Bearing	1
18	19C1220	Nipple	2
19	N/A	Coupling	2
20	4720	Grease Fitting	2
21	0691320100	Hydraulic Hose Bracket Weldment	3
22	N/A	Bolt 5/8 NC x 1-1/2 Gr 5	2
23	N/A	Nut, Toplock 5/8 NC	2
24	0801000005	Bushing	1
25	00776031	Canister, Parts Manual	1
26	N/A	Capscrew, 1/4 x 3/4 Gr 5	3
27	N/A	Washer, Flat 1/4	3
28	N/A	Nut, Lock 1/4	3

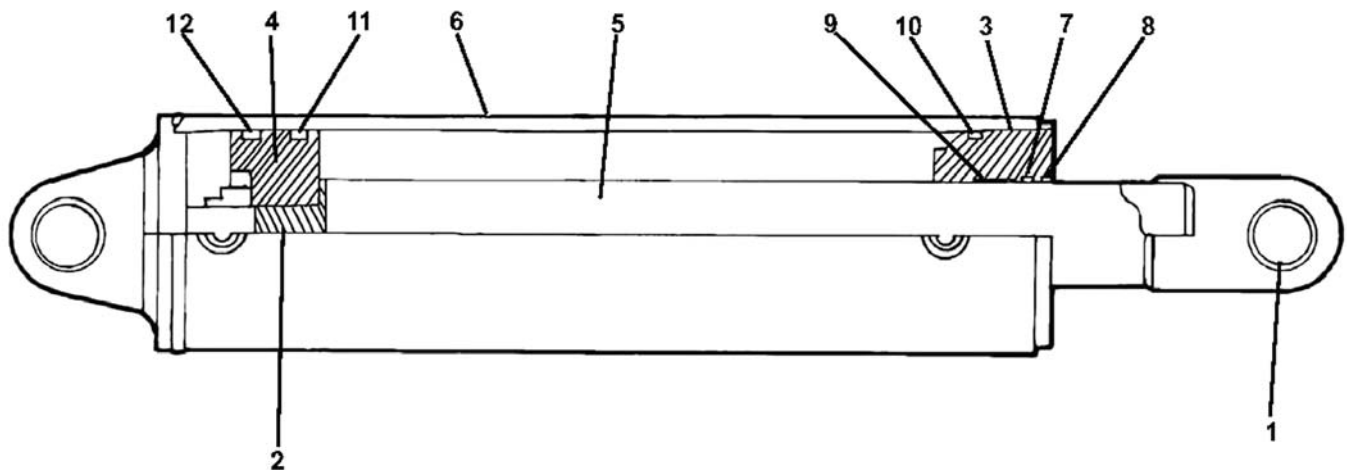
MOLDBOARD ASSEMBLY**300 SERIES MODELS 300-12, 300-14**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0801070000	Weldment, Moldboard 12 Ft	1
	0801040000	Weldment, Moldboard 14 Ft	1
2	3W8	Blade, Grader - 6 Ft	2
	44104E	Blade, Grader - 7 Ft	2
3	0801050100	Weldment, Pivot Pin	1
4	0801050004	Pin Retainer	1
5	N/A	Capscrew, 5/8-11 x 1-1/2 Gr 5	2
6	2A3101116	Plow Bolt, 5/8 x 2	16
7	00010300	Washer, Lock 5/8	18
8	00010400	Nut, Hex 5/8	16

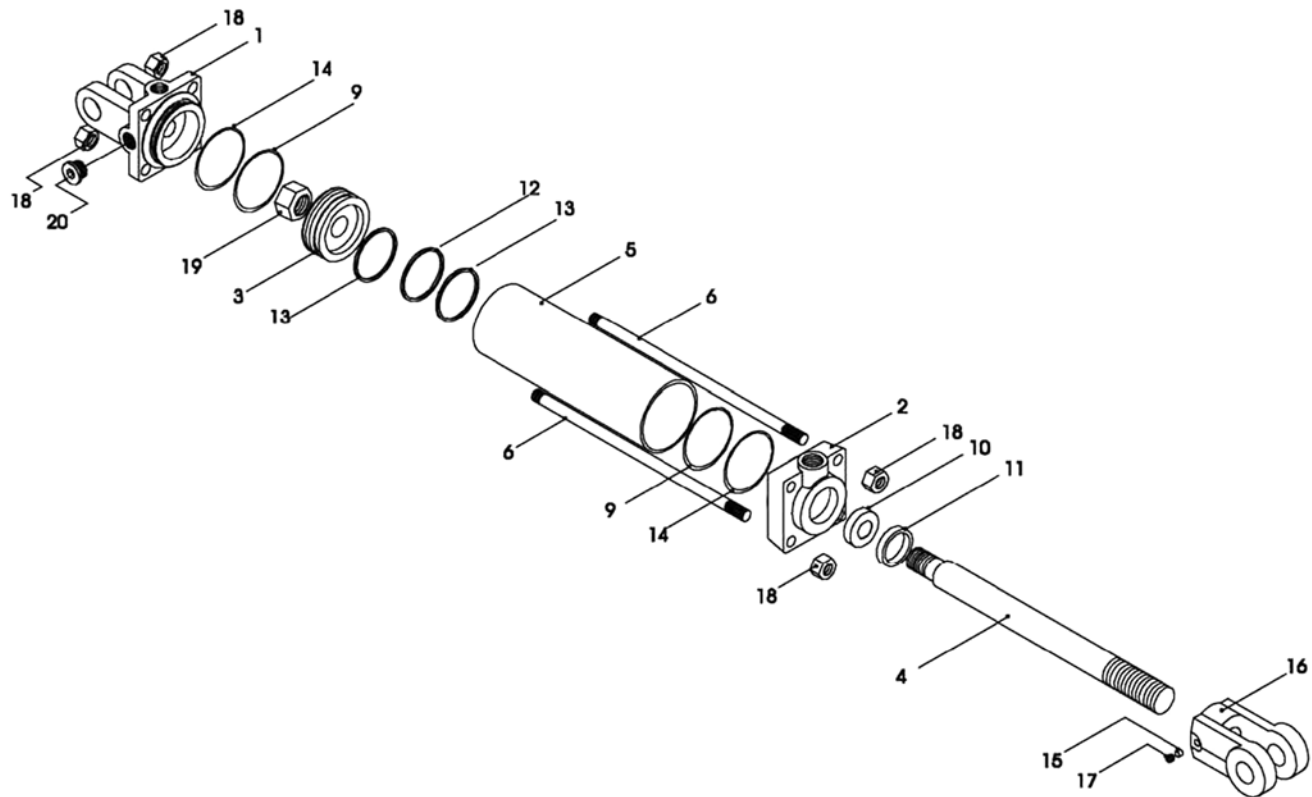
Note: For items 6-8 add 2 for 14 Ft Moldboard

HYDRAULICS**300 SERIES MODELS 300-12, 300-14**

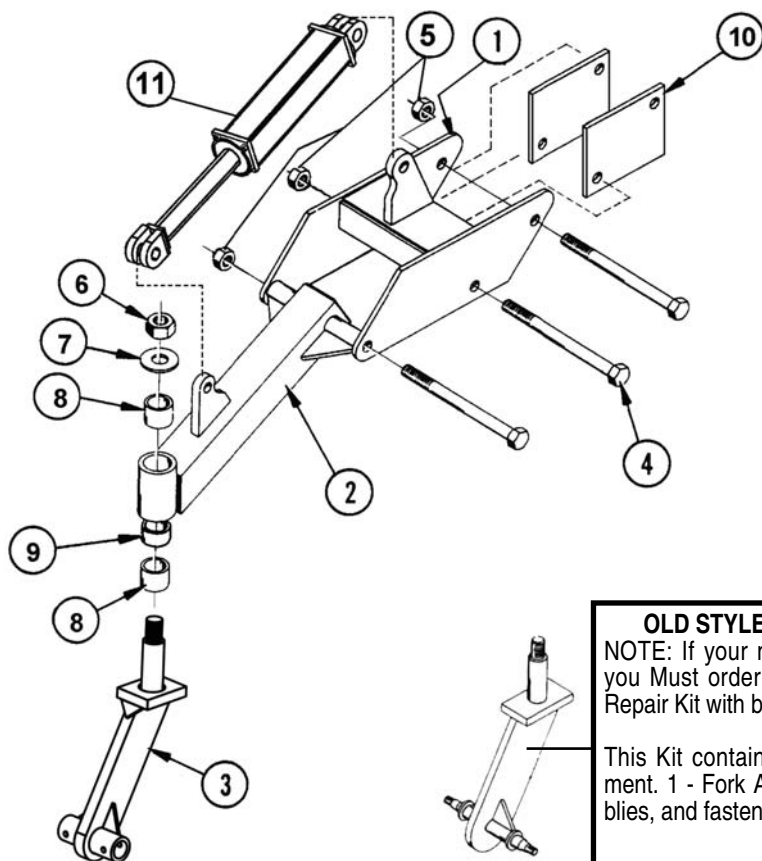
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00761839	Hydraulic Cylinder (Swing and Pivot)	2
2	00761802A	Hydraulic Cylinder (Tilt)	1
3	691302	Hydraulic Hose 96" #6-8MP X 8MP	2
4	B651302	Hose 180" #6-8MP-8MP	2
5	11565	Elbow Adapter 8MP X 8FP 90°	2
6	0652141311	Adapter, Hydraulic Straight 8MP-8FP	4
7	651132	Hydraulic Hose 144" #6 - 8MP X 8MP	2
8	8354	Pin, Cylinder	2
9	00606000	Pin, Cotter 3/16 x 2	2
10	0801090006	Pin, Hydraulic Cylinder	4
11	00036900	Pin, Cotter 1/4 x 2-1/2	4
12	8639-2	Coupling, 1/8 NPT Std (Not Shown)	4

HYDRAULIC CYLINDER - SWING & PIVOT**MAINFRAME SWING & MOLDBOARD PIVOT****300 SERIES MODELS 300-12, 300-14**

REF. NO.	PART NO.	DESCRIPTION	QTY.
	00761839	Hydraulic Cylinder 7" Bore x 21" Stroke	1
	00761912	Seal Kit (Items 7-12)	1
1	00761913	Bushing	4
2	00761914	Nut, Lock	1
3	00761915	Head	1
4	00761916	Piston	1
5	N/A	Rod Assembly	1
6	N/A	Tube Assembly	1
7	-----	Seal Hallite	1
8	-----	Seal Wiper Rod	1
9	-----	Seal	1
10	-----	O-Ring	1
11	-----	Seal PSP Piston Ring	1
12	-----	Wear Ring	1

HYDRAULIC CYLINDER - TILT & GAUGE WHEEL**300 SERIES MODELS 300-12, 300-14**

REF. NO.	PART NO.	DESCRIPTION	QTY
	00761802A	Hydraulic Cylinder 3-1/2" Bore x 8" Stroke	1
	00774759	Seal Kit	1
1	00774728	Clevis Cap	1
2	00774735	Rod Cap	1
3	00774733	Piston	1
4	00774739	Rod	1
5	00774750	Tube	1
6	00774745	Tie Rod	4
9	-----	O-Ring, End Cap	2
10	-----	Wiper Seal, Rod	1
11	-----	Dust Seal, Rod	1
12	-----	Seal, Piston	1
13	-----	Wear Ring, Piston	2
14	-----	Washers, End Cap Backup	2
15	3047117	Nylon Thread Protector	1
16	1917140	Rod Clevis	1
17	00774740	Set Screw 3/8" x 1/2" Knurled	1
18	N/A	Nut, Tie Rod	8
19	5JRC16140	Piston Nut 1" NF Locknut	1
20	1917132	Port Plug	1

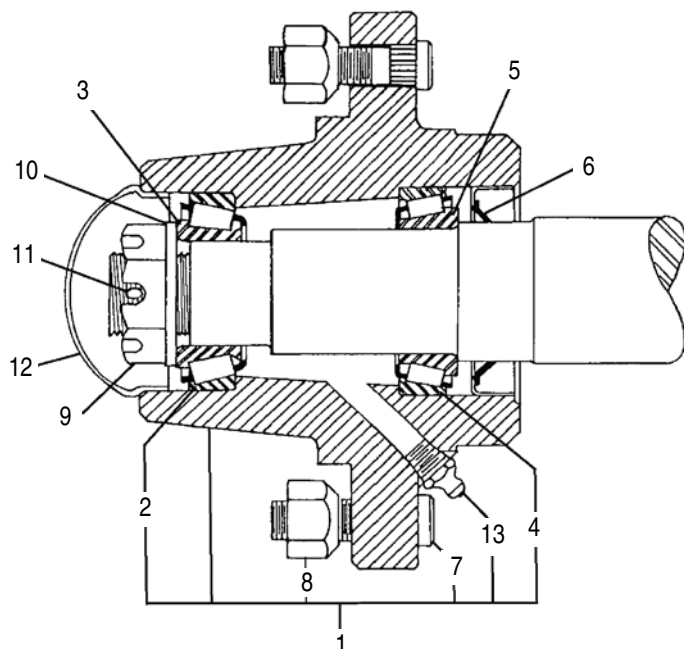
GAUGE WHEEL**300 SERIES MODELS 300-12, 300-14**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0801100100	Weldment, Planer Wheel Mount	1
2	0801100200	Weldment, Planer Wheel Beam	1
3	00788420	Weldment, Caster Fork	1
4	00788422	Caster Fork Field Repair Kit (For Old Style Caster Fork replacement)	1
5	7A168120	Bolt	3
6	02030300	Nut, Hex	3
7	5JRA2460	Locknut, Toplock DT 1-1/2-6 NC	1
8	59113	Spacer, Washer	1
9	N/A	Bushing	2
10	N/A	Bushing, Spacer	1
11	371247SA	Hub, w/Cups & Studs (Not Shown)	2
12	00767370	Spacer Plate	2
13	00761802A	Cylinder, Hydraulic	1
14	00025200	Tire, 6:00 x 9 Sectional Rubber (Not Shown)	2
15	6513015	Hose, 216" #6-8MP-8MP (Not Shown)	2
16	8354	Pin, Hydraulic Cylinder (Not Shown)	2
17	94514	Adapter, Hydraulic Elbow 8MP-8FP x 90° (Not Shown)	2
18	00606000	Pin, Cotter 3/16 x 2 (Not Shown)	2
	0652141311	Adapter, Hydraulic Straight 8MP-8FP (Not Shown)	2

WHEEL HUB ASSEMBLY

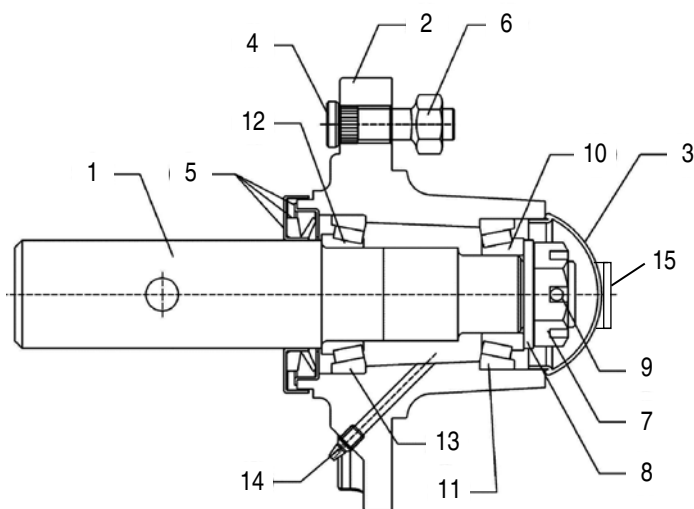
300 SERIES MODELS 300-12, 300-14

OLD STYLE WITH NON REPLACEBLE SPINDLES



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	371247SA	Hub w/Cups & Studs	1
2	00016900	Cup, Bearing (Outside)	1
3	02957149	Cone, Bearing (Outside)	1
4	371247D	Cup, Bearing (Inside)	1
5	371247E	Cone, Bearing (Inside)	1
6	371247F	Seal, Oil Heavy Duty	1
7	13198	Bolt, Hub 1/2-20 NF x 1-7/8	5
8	00750614	Nut, 1/2-20 NF 90° Cone Lug	5
9	371247J	Nut, Slotted	1
10	15B1400	Washer	1
11	00026200	Pin, Cotter 5/32 x 1-1/2	1
12	371247G	Cap, Dust	1
13	00003500	Zerk Fitting 1/8 Straight	1

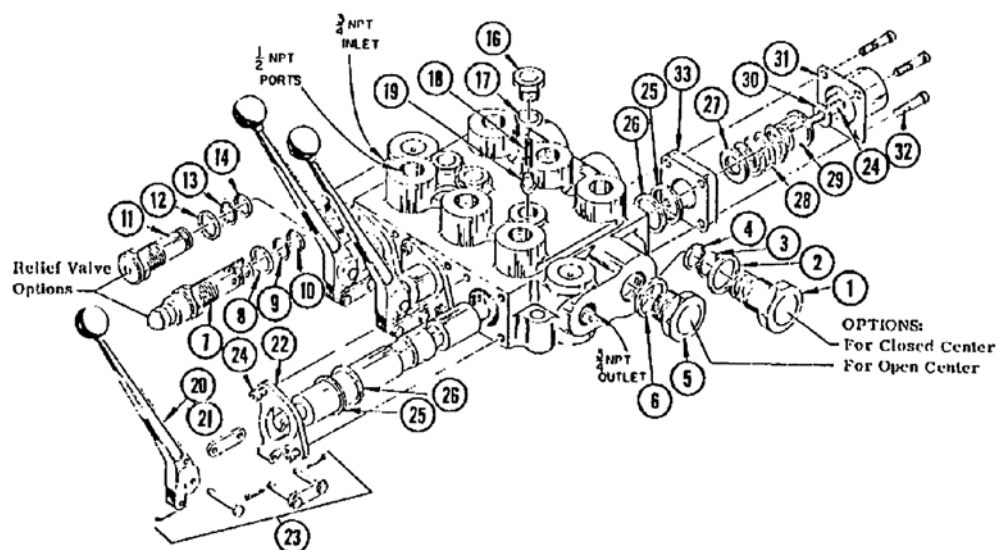
NEW STYLE WITH BOLT ON REPLACEBLE SPINDLES



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00775616A	Hub & Spindle Assy	1
2	00774821	Spindle Single Wheel	1
3	00779456	Hub W/ Cups & Studs	1
4	00756492	Dust Cap	1
5	13198	Bolt, Stud 1/2-20 NF X 1-7/8	5
6	00778108	Seal Protector	1
7	00756014	Lug Nut 1/2-20 NF	5
8	00756490	Nut Slotted Thin 1 NF PLC	1
9	00756493	Washer	1
10	00026200	Pin-Cotter 5/32 X 1-1/2	1
11	00750434	Bearing Cone Inside	1
12	00756576	Bearing Cup Outside	1
13	0371242102	Bearing Cone	1
14	00756577	Bearing Cup Inside	1
15	00003500	Zerk Fitting 1/8 Straight	1
	00779455	Dust Cap Retainer	1

CONTROL VALVE ASSEMBLY

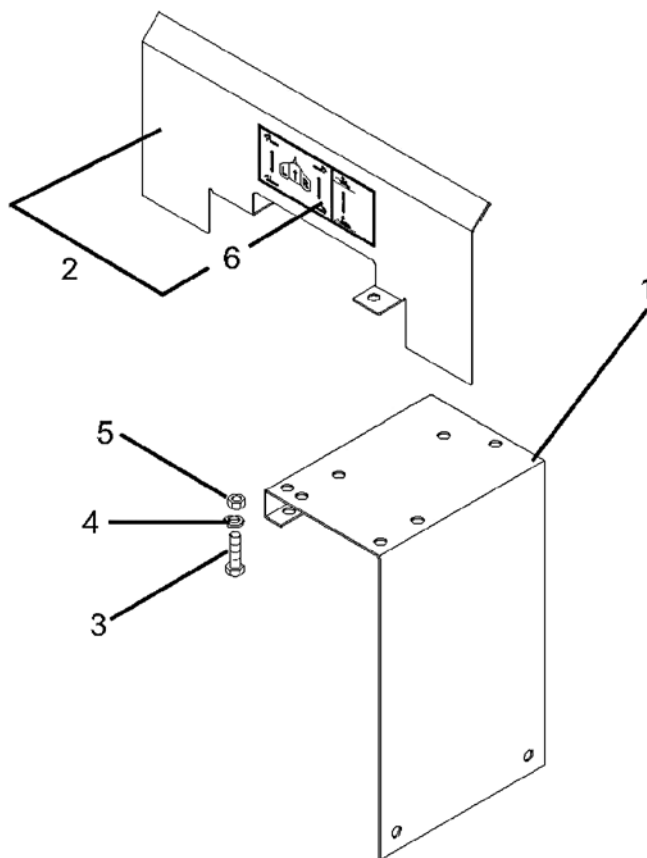
300 SERIES MODELS 300-12, 300-14



REF. NO.	PART NO.	DESCRIPTION	QTY.
	0691700000	Control Valve Complete (Open Center)	1
1	8526	Closed Center Lug Assy. (Incl. 2, 3, & 4)	1
2	N/A	O-Ring Seal	1
3	N/A	Backup Washer	1
4	N/A	O-Ring Seal	1
5	N/A	Conversion Plug Assy. (For Open Center)	1
6	N/A	O-Ring Seal	1
7	N/A	Adj. Relief Assy. (Incl. 10-13)	1
8	N/A	O-Ring Seal	1
9	N/A	Backup Washer	1
10	N/A	O-Ring Seal	1
11	6514037	No Relief Assy. (Incl. 12-14)	1
12	N/A	O-Ring Seal	1
13	N/A	Backup Washer	1
14	N/A	O-Ring Seal	1
16	N/A	Plug Assy.	3
17	N/A	O-Ring Seal	3
18	N/A	Spring	3
19	N/A	Load Check Poppet	3
20	N/A	Handle & Bracket Assy. (Incl. 21-23)	3
21	N/A	Handle	3
22	N/A	Handle Bracket	3
23	N/A	Pin Kit	3
24	N/A	Bolt	9
25	N/A	O-Ring Spool Washer	6
26	N/A	Spool Seal	6
27	N/A	Stop Washer	3
28	N/A	Spring	3
29	N/A	Stop Collar	3
30	N/A	Washer	3
31	N/A	End Cap	3
32	N/A	Bolt	12
33	N/A	Plate	3

BRACKET ASSY. VALVE MOUNT KIT

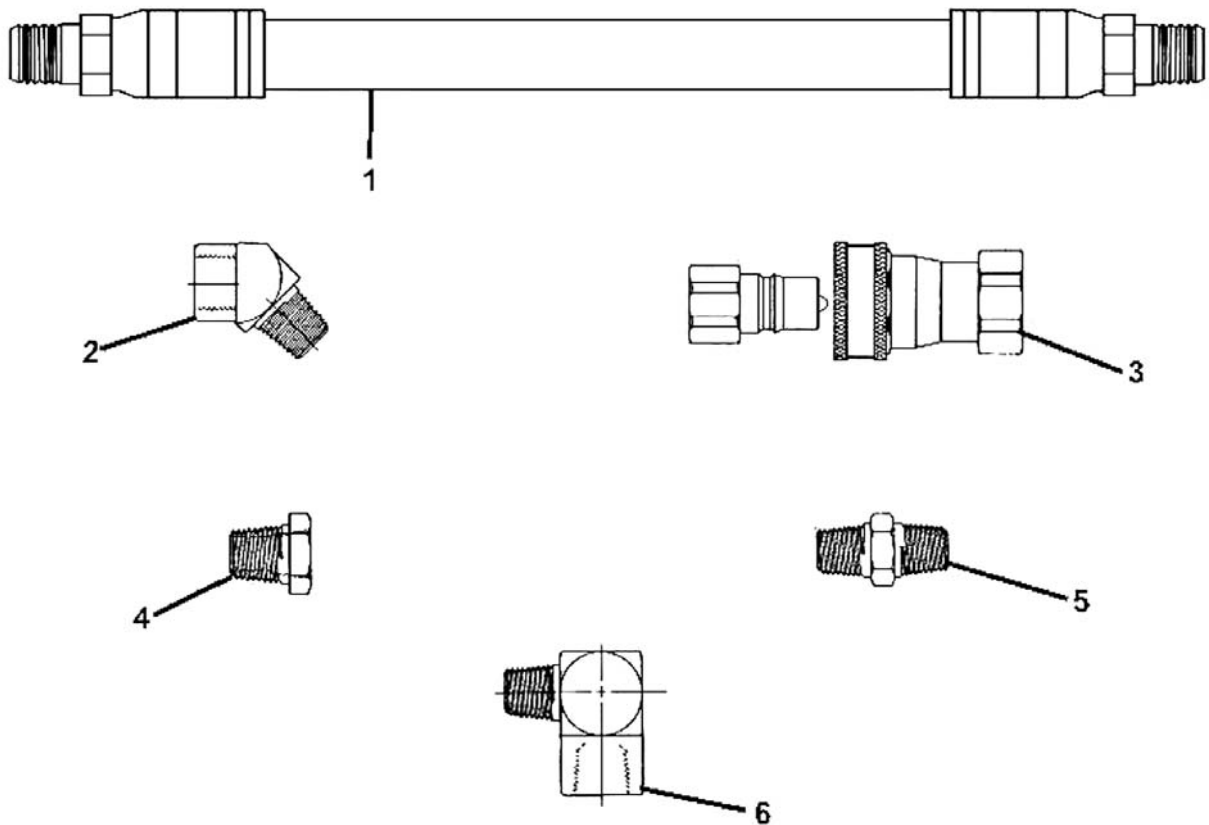
300 SERIES MODELS 300-12, 300-14



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	8166M	Bracket, Valve Fender Mount	1
2	00759682	Shield, Valve Control	1
3	-----	Capscrew 3/8" x 1" Gr.5	4
	-----	Capscrew 3/8" x 2" Gr.5	1
	-----	Capscrew 3/8" x 4" Gr.5	2
4	-----	Lockwasher 3/8"	7
5	-----	Hex Nut 3/8"	7
6	N/A	Decal, Hydraulic Operation	1

HOSES & FITTINGS - VALVE MOUNT KIT

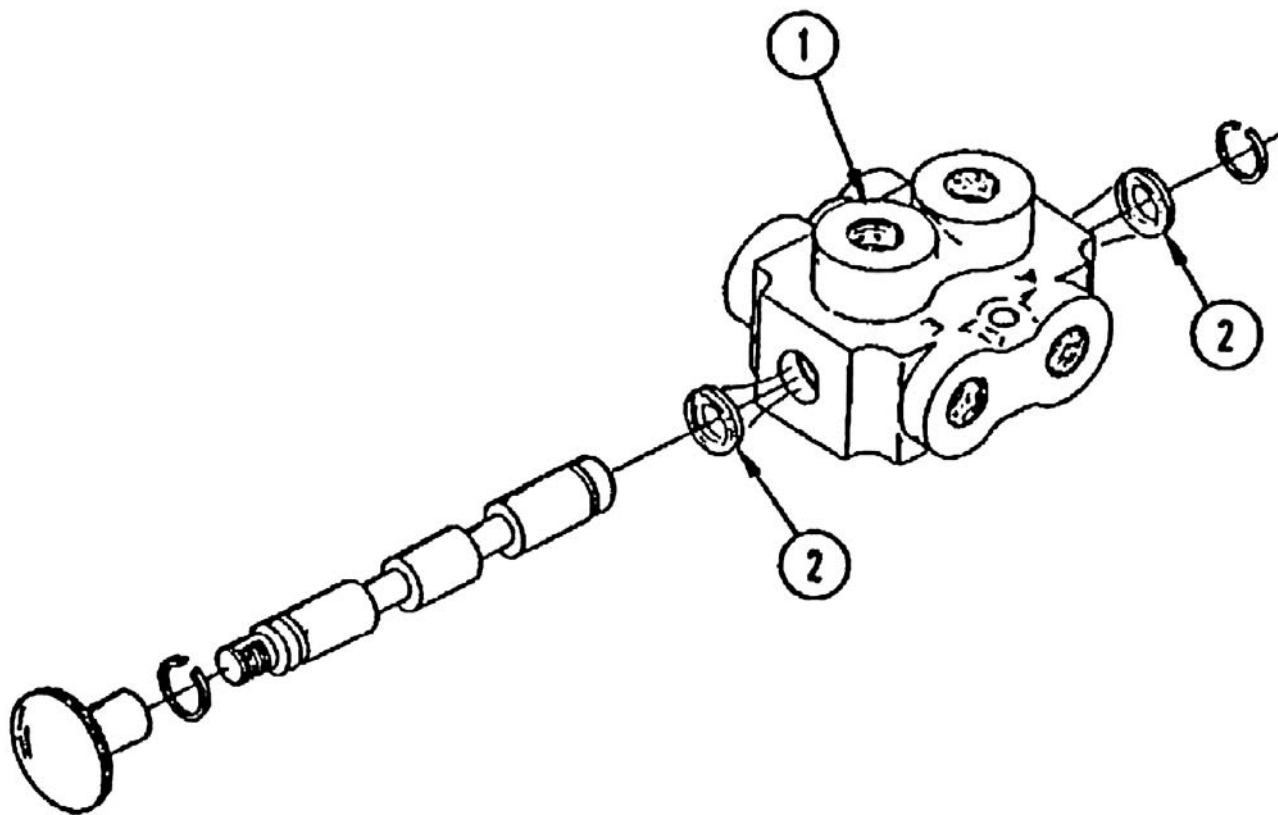
300 SERIES MODELS 300-12, 300-14



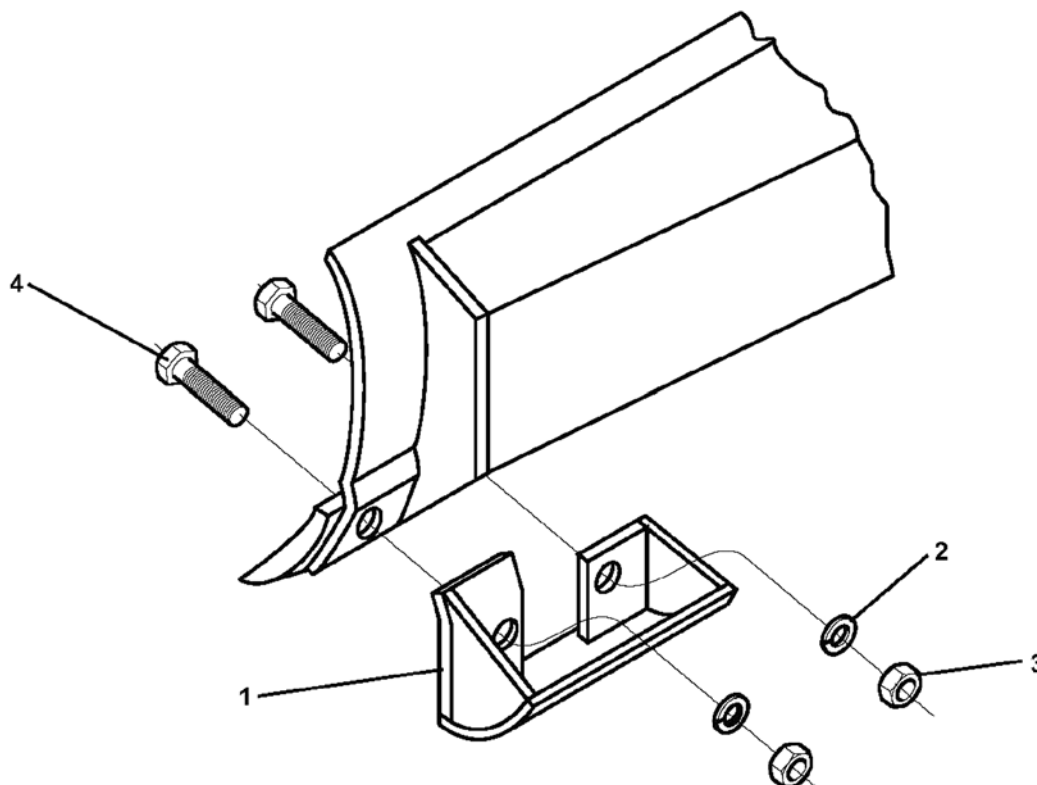
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	1347	Hose, #8 8MP-8MP, 60" Lg	2
2	000999	Adapter, Pipe 8MP-8FP x 45°	2
3	00275400	Coupler, Q.D. #8	3
4	02048800	Reducer, 12MP-8FP	2
5	02960460	Adapter, Straight 8MP-8MP	3
6	94514	Adapter Hyd. Elbow 8MP-8FP x 90°	5
7	7336	Spacer, Shield 3-Spool Valve (Not Shown)	2

SELECTOR VALVE

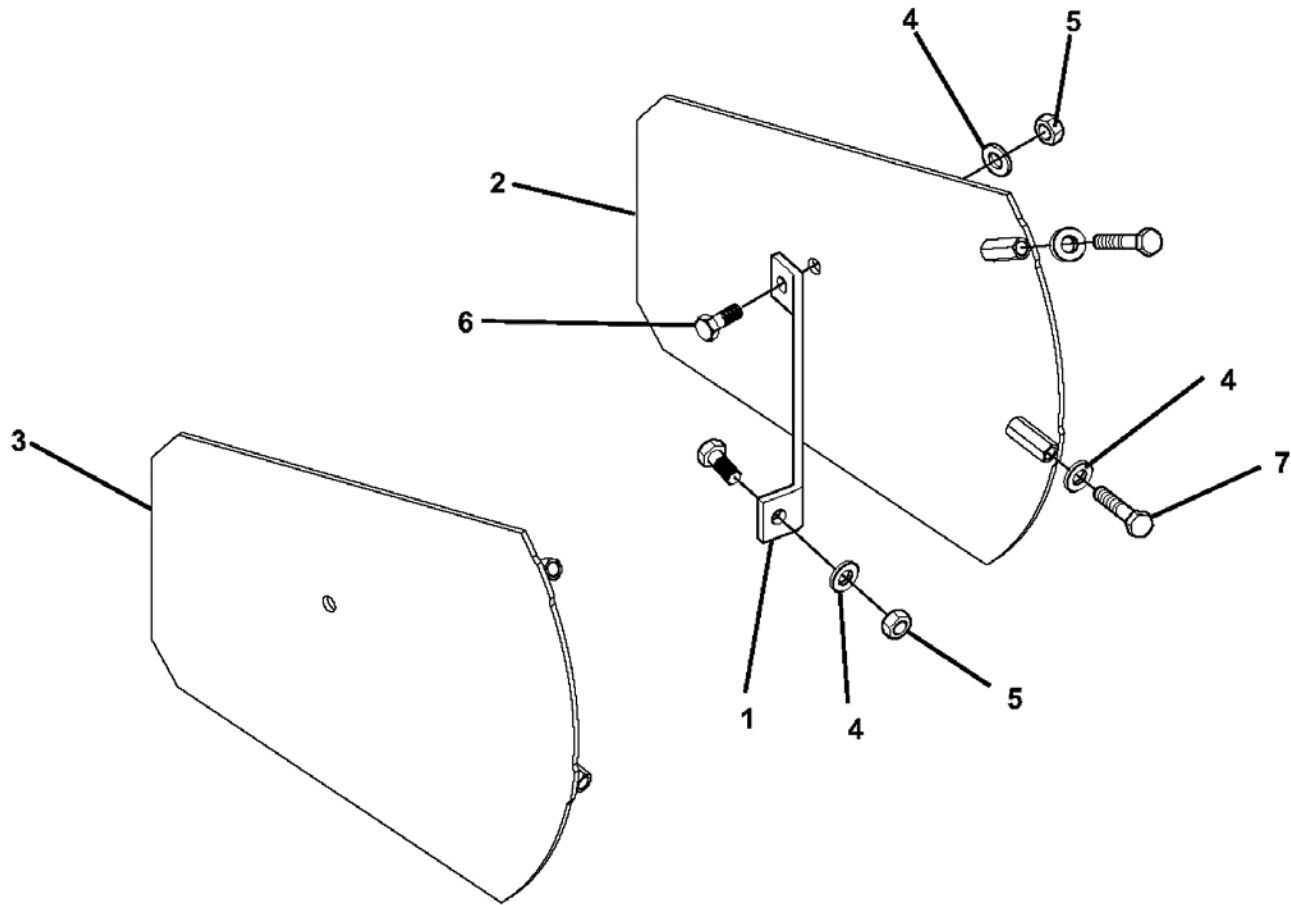
300 SERIES MODELS 300-12, 300-14



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0781300000	Selector Valve Assembly	1
2	N/A	Seal	2

SKID SHOES**300 SERIES MODELS 300-12, 300-14**

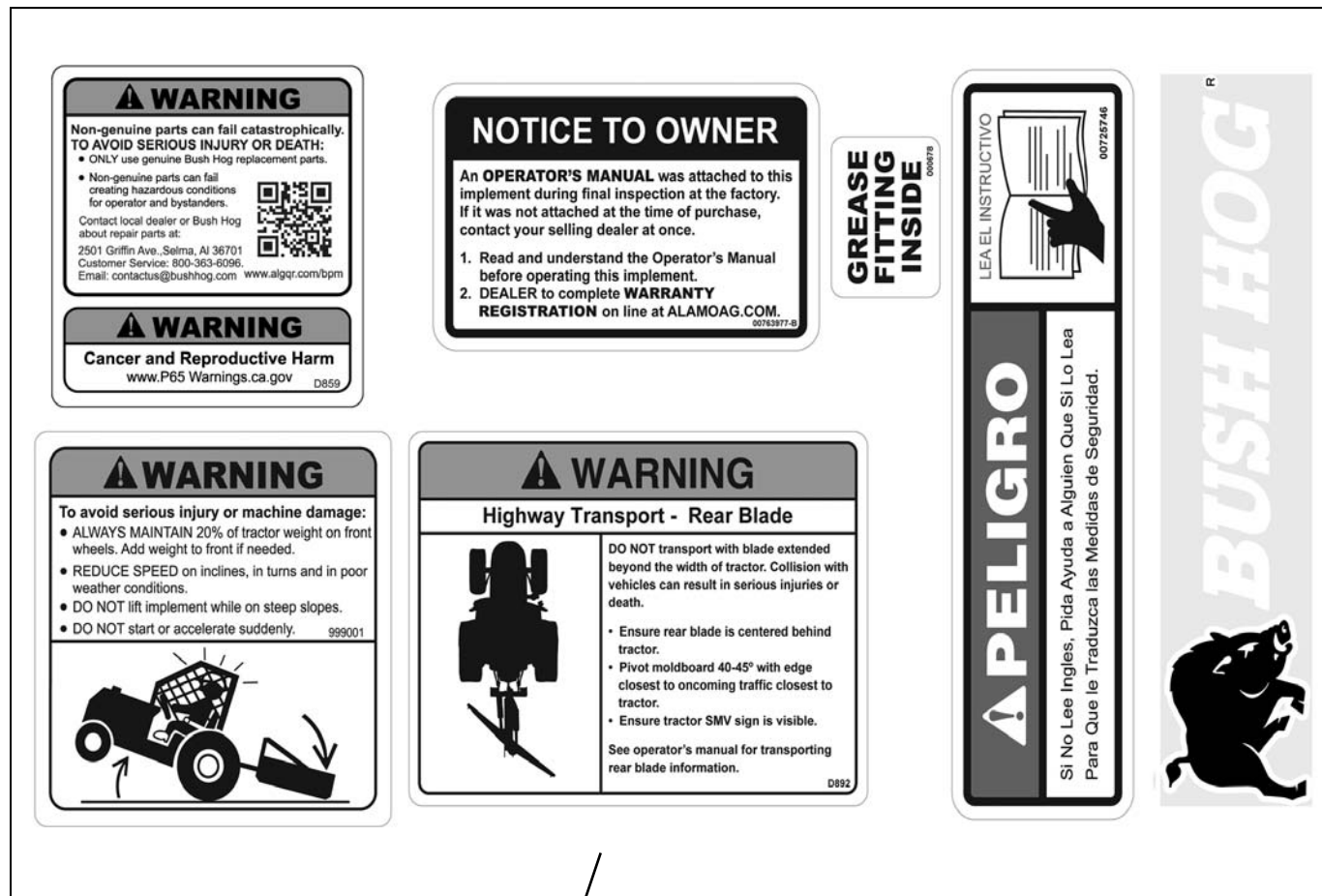
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	0691380100	Shoe, Moldboard Weldment	2
2	00010300	Lockwasher, 5/8 YZ	4
3	00010400	Hex Nut, 5/8 NC	4
4	2A3101120	Plow Bolt, 5/8 NC x 2-1/2	4

END PLATES**300 SERIES MODELS 300-12, 300-14**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00786731	Strap, Brace	2
2	00786729	Weldment, Right End Plate	1
3	00786730	Weldment, Left End Plate	1
4	00756077	Washer, 5/8 Hardened	8
5	00695100	Locknut, Toplock 5/8 NC PLB	4
6	N/A	Capscrew, 5/8-11 x 1-1/2 Gr 5	4
7	N/A	Capscrew, 5/8 x 2-1/2, Gr 5	4

SAFETY DECAL SHEET - MAINFRAME

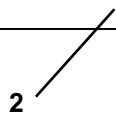
300 SERIES MODELS 300-12, 300-14



1

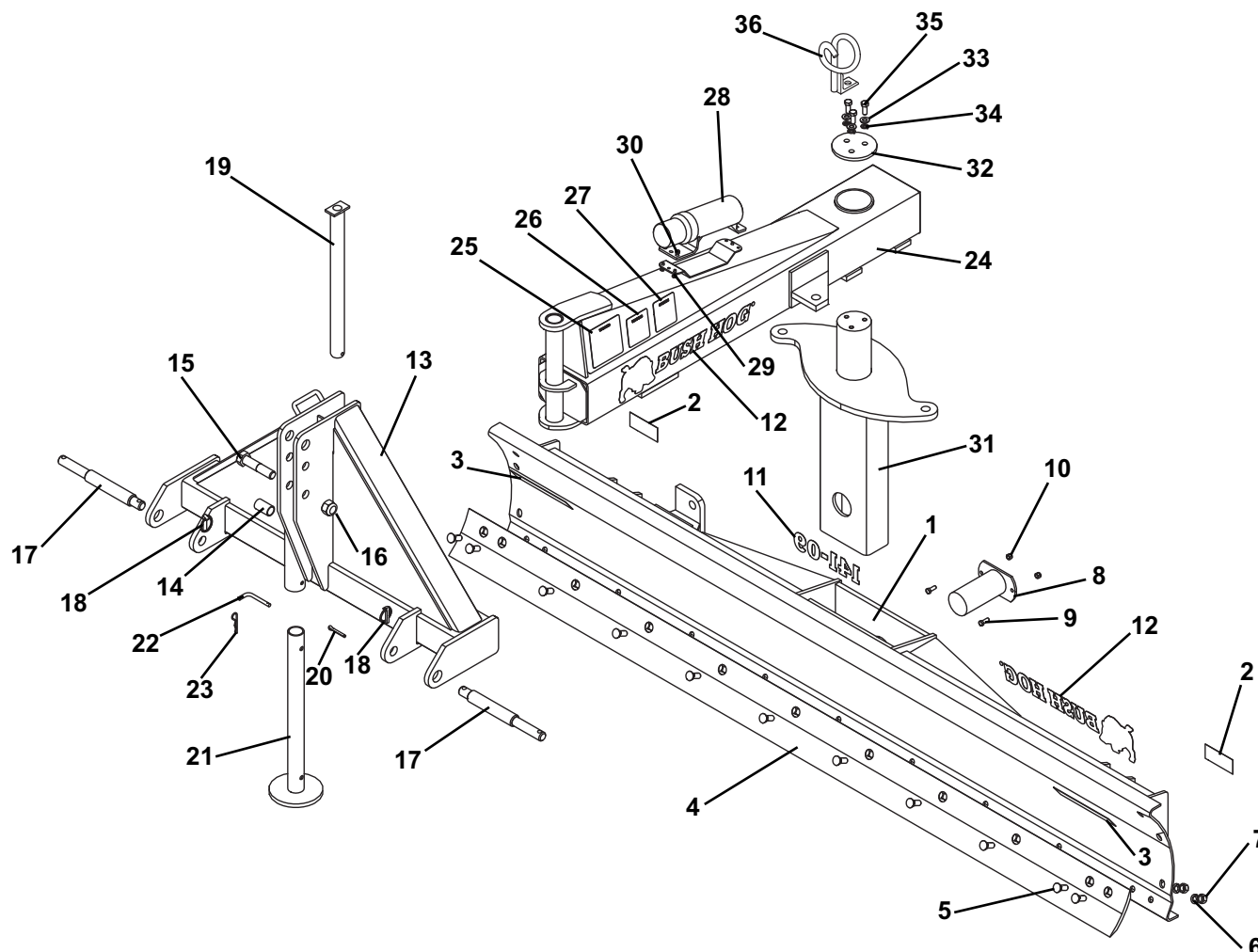
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789185	Sheet, Mainframe Decal	1

300 SERIES MODELS 300-12, 300-14



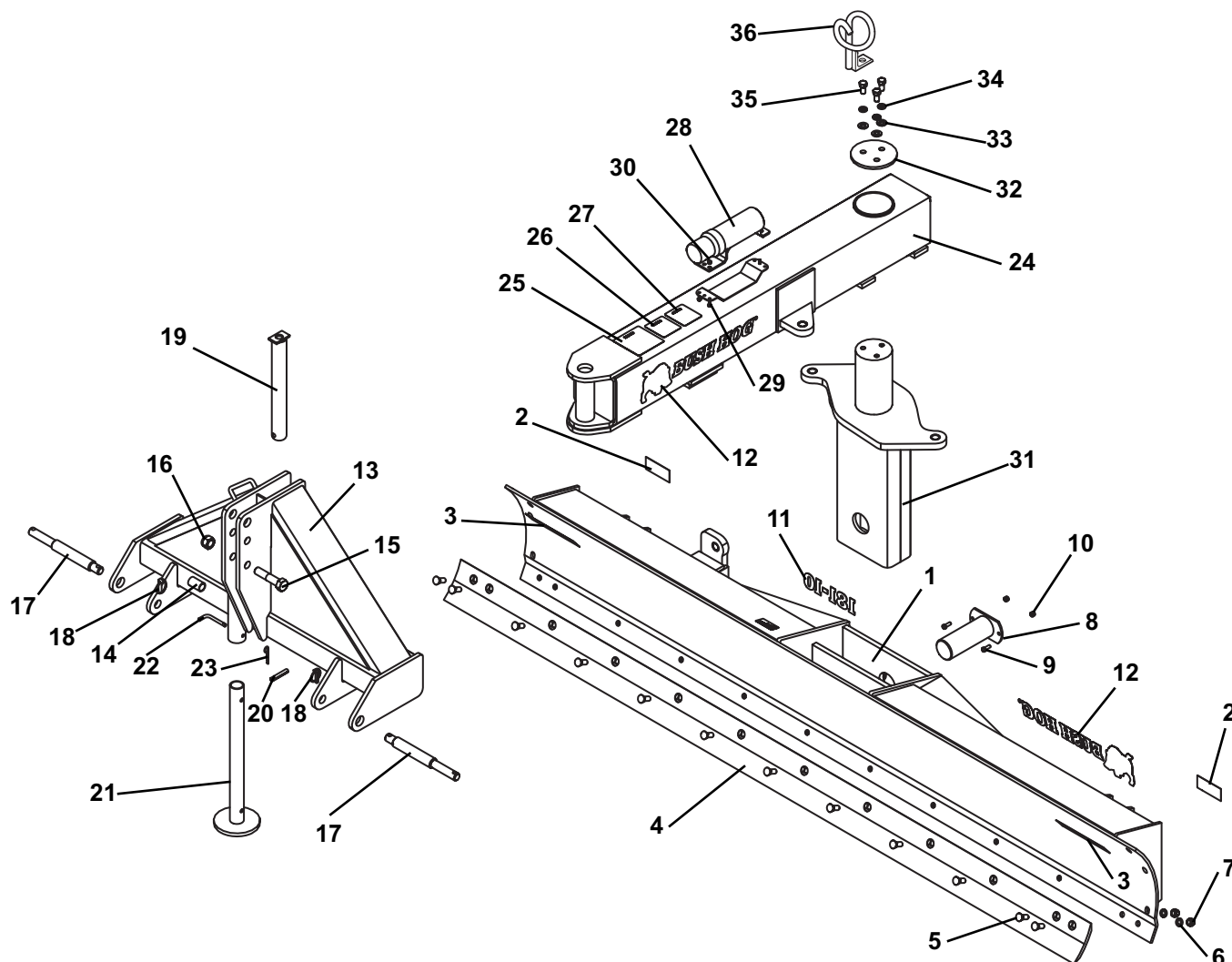
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	00789180	Sheet, Moldboard Decal	1
2	00789189	Sheet, 300 Series Moldboard Decal	1
3	1458392	Reflector Decal, Red (Not part of Sheet, order seperately)	4
4	1458393	Reflector Decal, Yellow (Not part of Sheet, order seperately)	2
5	1458398	Reflector Decal, Orange (Not part of Sheet, order seperately)	4

141 SERIES BLADE ASSEMBLY



REF. NO.	PART NO.	DESCRIPTION	QTY.	REF. NO.	PART NO.	DESCRIPTION	QTY.
1	50076184	8' Moldboard Wdmt w/Decals, 14108	1	18	2850005	Klik Pin, 7/16" x 1-3/4"	2
	50076193	9' Moldboard Wdmt w/Decals, 14109	1	19	50076174	A-Frame Pin Wdmt, Black	1
2	50031213	Reflector, Red - 2" x 4.5"	2	20	-----	Cotter Pin, 5/16" x 2"	1
3	50031212	Reflector, Amber - 2" x 9"	2	21	50076189	Jackstand Weldment, Black	1
4	50076186	Cutting Edge, 1/2" x 6" x 96"	1	22	50076190	Bent Pin, .375" x 2.875"	1
	50076194	Cutting Edge, 1/2" x 6" x 108"	1	23	50005860	Cotter Hair Pin, .148"	1
5	15212BH	#3 Hd Plow Bolt, 5/8" x 1-3/4" Gr. 5	A/R	24	50076180	Backbone Assembly, BH Red	1
6	19486	Lockwasher, 5/8"	A/R	25	89475	Decal, Warning	1
7	44336BH	Hex Nut, 5/8"	A/R	26	-----	Decal, Warning	1
8	50076185	Swivel Pin Wdmt - Black	1	27	50057097	Decal, Caution	1
9	20034	Capscrew, 3/8" x 1" Gr. 5	2	28	50035829	Tube, Owner's Manual	1
10	-----	Hex Nut, 3/8" Nylock	2	29	1160806	Capscrew, 1/4" x 3/4" Gr. 5	3
11	50076187	Decal, Model 141-08	1	30	-----	Hex Nut, 1/4" Nylock	3
	50076195	Decal, Model 141-09	1	31	50076181	Swivel Weldment, Black	1
12	50061049	Decal, Bush Hog - 4.85" x 22.00"	3	32	50076182	King Pin Washer, Black	1
13	50076177	A-Frame Weldment, BH Red	1	33	15829	Flatwasher, 1/2" SAE	3
14	50076175	A-Frame Spacer, Black	1	34	15806	Lockwasher, 1/2"	3
15	20547BH	Capscrew, 1" x 4-1/2" Gr. 5	1	35	44094BH	Capscrew, 1/2" x 1-1/4" Gr. 5	3
16	50072278	Hex Nut, 1" Nylock	1	36	95906	Hose Holder	1
17	50076176	Hitch Pin, Black	2				

181 SERIES BLADE ASSEMBLY



REF. NO.	PART NO.	DESCRIPTION	QTY.	REF. NO.	PART NO.	DESCRIPTION	QTY.
1	50076206	9' Moldboard Wdmt w/Decals, 18109	1	18	2850005	Klik Pin, 7/16" x 1-3/4"	2
	50076228	10' Moldboard Wdmt w/Decals, 18110	1	19	50076198	A-Frame Pin Wdmt, Black	1
2	50031213	Reflector, Red - 2" x 4.5"	2	20	50076179	Roll Pin, 1/2" x 3"	1
3	50031212	Reflector, Amber - 2" x 9"	2	21	50076189	Jackstand Weldment, Black	1
4	50076194	Cutting Edge, 1/2" x 6" x 108"	1	22	50076190	Bent Pin, .375" x 2.875"	1
	50076229	Cutting Edge, 1/2" x 6" x 120"	1	23	50005860	Cotter Hair Pin, .148"	1
5	15212BH	#3 Hd Plow Bolt, 5/8" x 1-3/4" Gr. 5	A/R	24	50076202	Backbone Assembly, BH Red	1
6	19486	Lockwasher, 5/8"	A/R	25	89475	Decal, Warning	1
7	44336BH	Hex Nut, 5/8"	A/R	26	-----	Decal, Warning	1
8	50076207	Swivel Pin Wdmt - Black	1	27	50057097	Decal, Caution	1
9	20034	Capscrew, 3/8" x 1" Gr. 5	2	28	50035829	Tube, Owner's Manual	1
10	-----	Hex Nut, 3/8" Nylock	2	29	1160806	Capscrew, 1/4" x 3/4" Gr. 5	3
11	50076208	Decal, Model 181-09	1	30	-----	Hex Nut, 1/4" Nylock	3
	50076230	Decal, Model 181-10	1	31	50076203	Swivel Weldment	1
12	50061049	Decal, Bush Hog - 4.85" x 22.00"	3	32	50076204	King Pin Washer	1
13	50076199	A-Frame Weldment, BH Red	1	33	20748	Flatwasher, 5/8" SAE	3
14	50076175	A-Frame Spacer, Black	1	34	19486	Lockwasher, 5/8"	3
15	20547BH	Capscrew, 1" x 4-1/2" Gr. 5	1	35	-----	Capscrew, 5/8" x 1-1/4" Gr. 5	3
16	50072278	Hex Nut, 1" Nylock	1	36	95906	Hose Holder	1
17	50076176	Hitch Pin, Black	2				



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