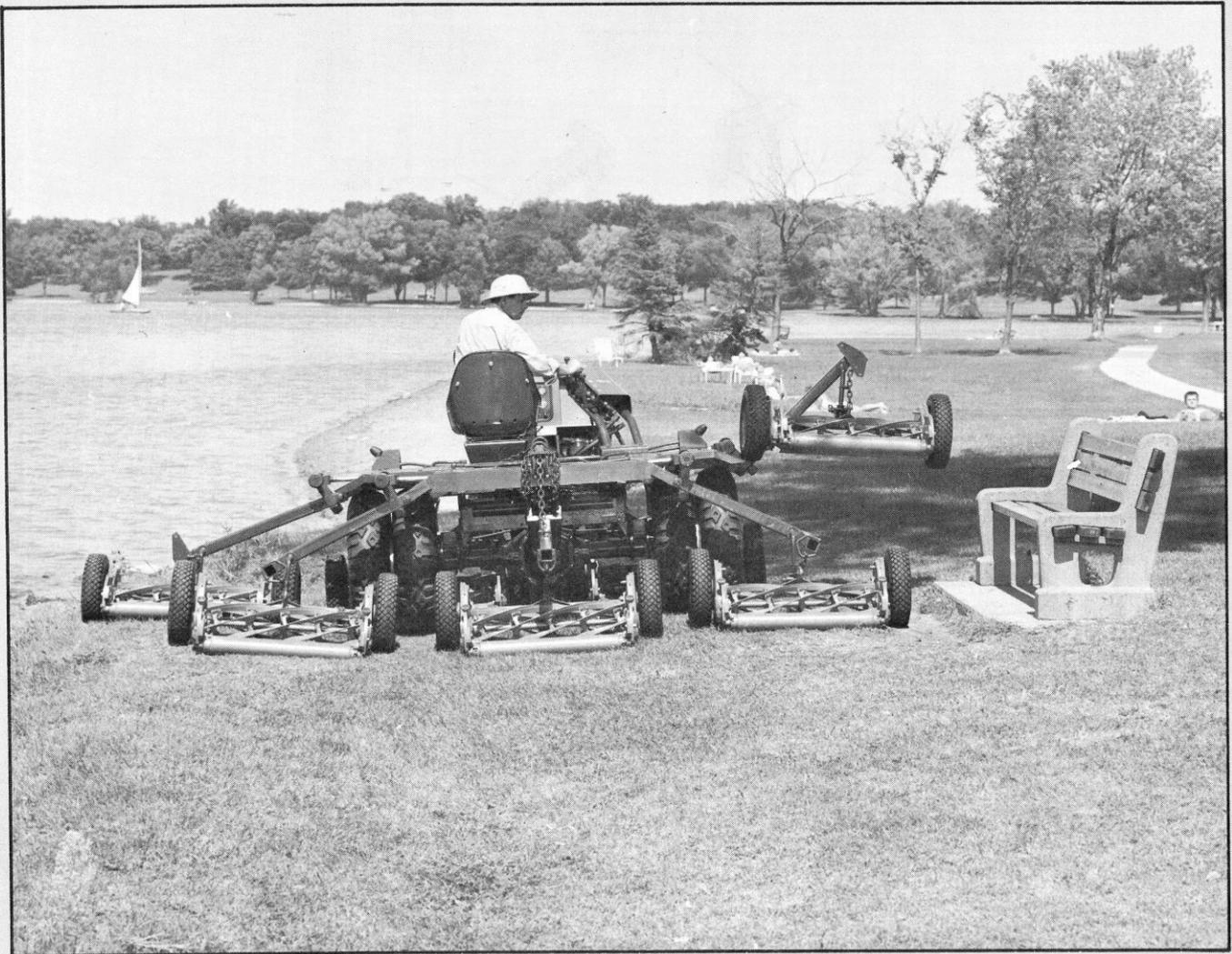


TORO[®]

OWNER'S MANUAL AND PARTS CATALOG



5 and 7 UNIT HYDRAULIC PARKMASTER

MODEL NOS. 33783-90001 & UP
MODEL NOS. 33773-90001 & UP

Price 25 cents

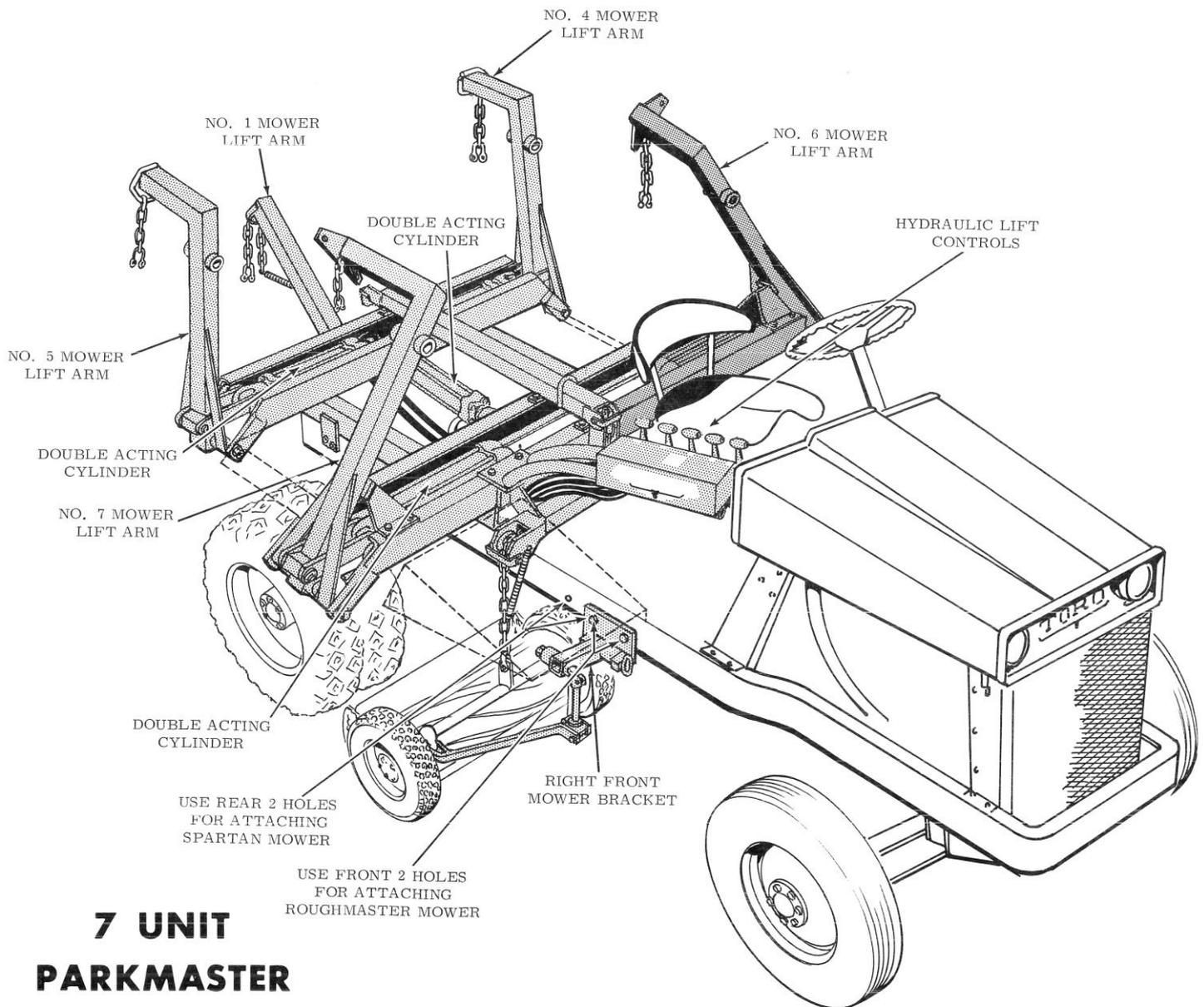
1969

to the Toro owner

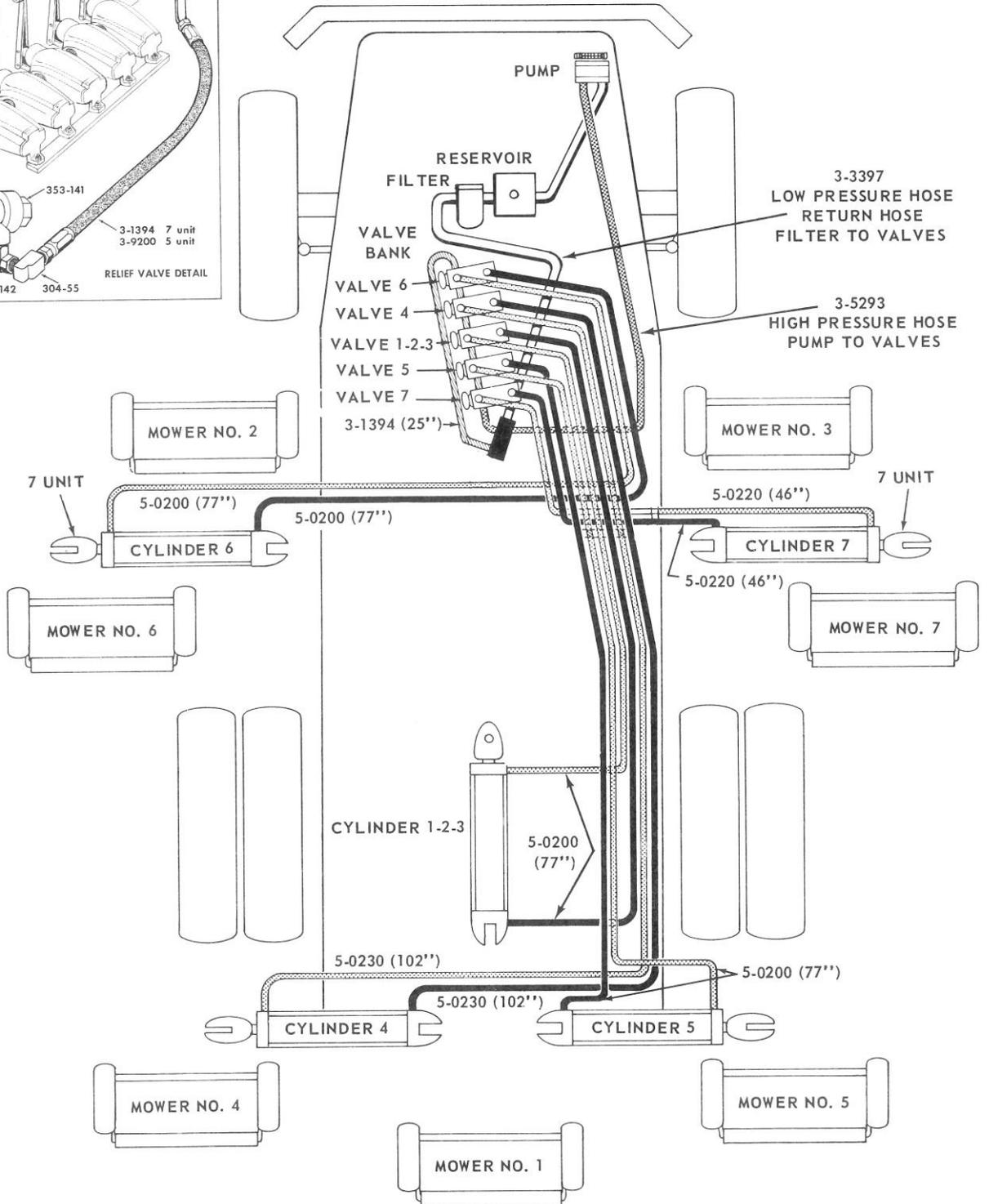
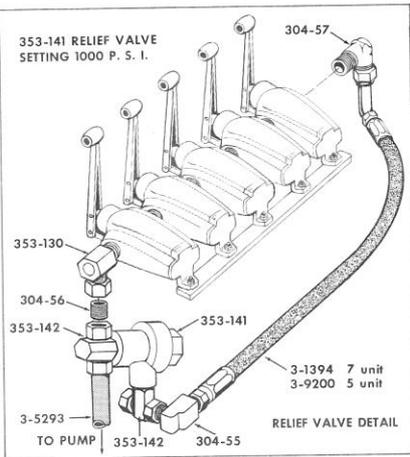
This Owner Manual has been especially prepared for your information and guidance in the operation and care of your new Toro Hydraulic Parkmaster.

Properly adjusted, operated and maintained, this Toro Parkmaster will respond quickly and easily to every reasonable demand and give years of reliable service.

The Toro Hydraulic Parkmaster is manufactured by an organization of mowing machinery specialists for over 50 years. Each unit is carefully inspected and tested before leaving the factory. For best performance study this manual for regular maintenance procedures.



HYDRAULIC SYSTEM



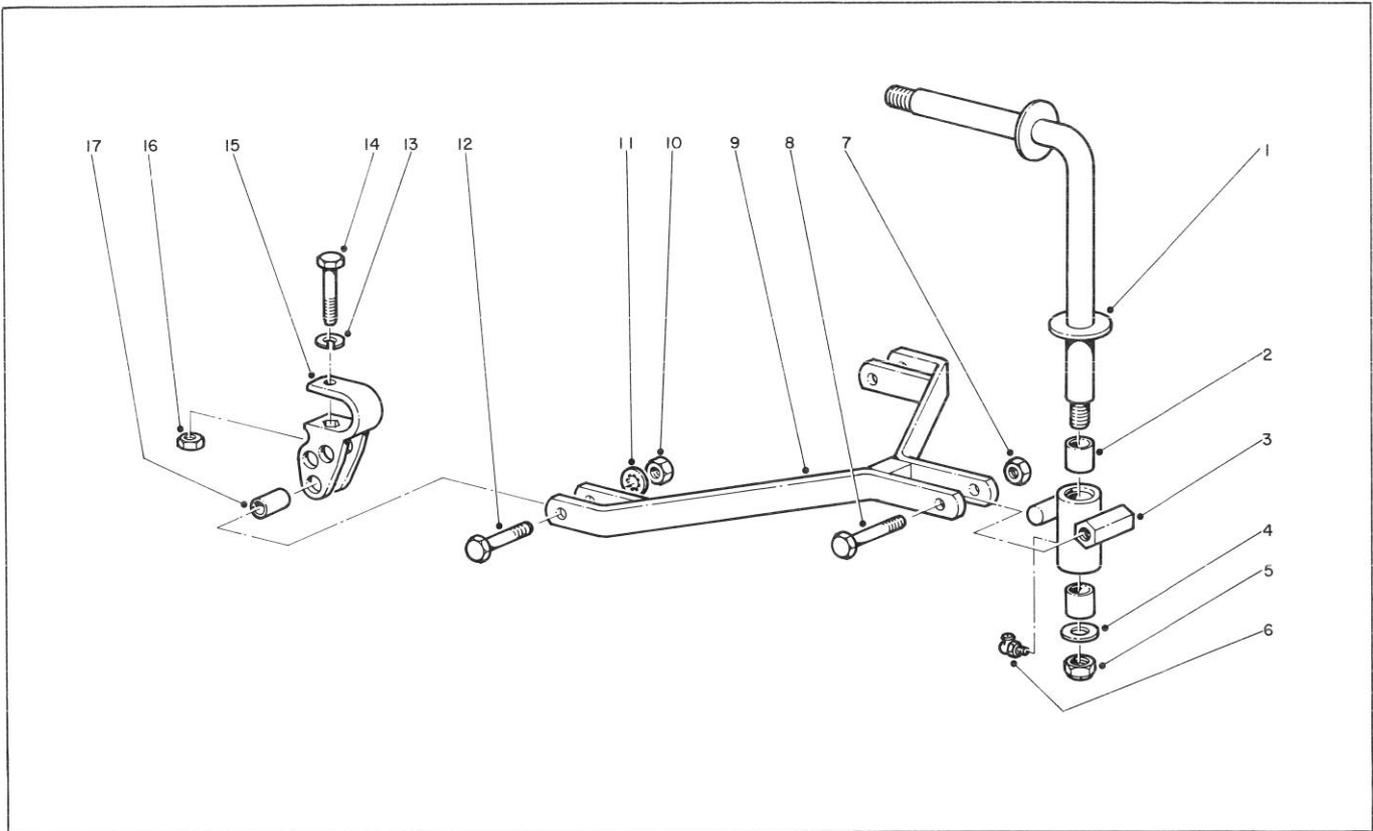
MAIN FRAME PARTS LIST

Ref. No.	Part No.	Description	No. Used	
			5 Unit	7 Unit
1	3-0224	Rear Drawbar	1	1
2	3213-6	Screw	2	2
3	3-1364	Chain, 32 Links	1	1
4	5-1706	Spring	7	9
5	3296-19	Nut	35	37
6	3-0348	Bushing	28	40
7	2830-8	Link	2	2
8	3256-26	Washer	2	2
9	5-0743	Spring	2	2
10	3213-19	Screw	8	8
11	3-6530	Lift Bail	5	7
12	302-40	Grease Fitting	4	8
13	3-8448	Washer	14	22
14	3296-50	Nut	10	14
15	1-6559	Housing w/Bushings	5	7
16	3-0252	Arm, Short, Left	1	1
17	3-4636	Chain, 6-5/8" Long	2	4
18	3-0293	Chain, 2 Links	2	4
19	3-2198	Hooks, S	6	10
20	3-1365	Chain, Safety, 15-3/4" less Hooks	2	4
21	3-0251	Arm, Short, Right	1	1
22	283-10	Pin	11	15
23	3272-10	Cotter Pin	14	18
24	282-13	Yoke	9	13
25	302-5	Grease Fitting	5	13
26	3211-4	Screw	4	8
27	3253-5	Lockwasher	4	8
28	5-1720	Washer	4	8
29	3-0128	Shaft	2	4
30	3-0295	Chain, 22 Links	2	2
31	3-0124	Rear Cross Channel Rear	1	1
32	5-3495	Cylinder, 10" less Pins	2	2
33	5-3504	Tube Spacers	4	8
34	3-6385	Tube Spacers	4	8
35	243-4	Trolley Wheel	4	8
36	3256-5	Washer	4	8
37	3-0145	Spacer	4	8
38	3-8343	Link	4	8
39	3-0282	Rear Cross Channel, Front	1	1
40	3296-50	Nut	4	8
41	3-0130	Shaft	2	4
42	3290-118	Special Screw	4	8
43	3-2196	Sheave	7	7
44	3-0145	Spacer	2	2
45	3-0146	Channel	2	2
46	3213-4	Screw	4	4
47	3-0144	Shaft	3	5
48	5-3126	Pin, Spring	8	12
49	3213-3	Screw	18	47
50	3-4250	Tube	2	2
51	3296-6	Nut	4	4
52	3-0105	Brace, Channel	1	1
53	3-6386	Spacer	2	2
54	3211-5	Screw	3	3
55	3296-6	Nut	4	4
56	5-3505	Pin	1	1
57	3-0175	Plate	1	1
58	5-3496	Cylinder, 12" less Pins	1	3
59	3-0288	Link	1	1

Ref. No.	Part No.	Description	No. Used	
			5 Unit	7 Unit
60	3-0326	Ring	1	1
61	5-5130	Chain	2	2
62	3-4602	Chain	1	1
63	3-0285	Arm Stop		2
64	3296-5	Nut		2
65	3256-3	Washer		2
66	212-183	Rubber Bumper		2
67	3-6630	Arm, Drawbar Lift Ball		1
68	353-193	Sealing Nut	4	4
69	3-1382	Front Cross Channel, Rear		1
69	3-0142	Front Cross Channel, Rear	1	
70	3-6640	Arm, Drawbar Lift Bail		1
71	5-2251	Front Cross Channel, Front		1
71	3-0141	Front Cross Channel, Front	1	
72	3-0136	Chain Keeper	7	7
73	3-6680	Side Mower Tube, Right	1	1
73	3-6690	Side Mower Tube, Left	1	1
74	3213-10	Screw	3	3
75	3-0166	Spacer Tube	2	2
76	3296-3	Nut	13	15
77	3-0270	Spacer	1	1
78	3-0164	Valve Stand	1	1
79	5-1955	Valve Bracket, Rear	1	1
80	3-0225	Valve Cover	1	1
81	3-0310	Decal,	1	1
82	3256-2	Washer	13	15
83	3-0302	Decal	1	1
84	5-1996	Arm, Front	2	2
85	3214-3	Screw	4	4
86	3253-8	Lockwasher	4	4
87	3219-6	Nut	4	4
88	5-1998	Bracket w/Bushings	2	2
89	3256-30	Washer	2	2
90	3-0152	Pin	2	2
91	3-0112	Bracket, Sheave	1	1
92	286-3	Snap Hook	4	8
93	286-4	Cold Shut	4	8
94	5-1954	Valve Bracket, Front	1	1
95	3-8457	Control Valve	3	5
96	3-0453	Spacer	4	4
97	289-14	Nipple	2	4
98	353-130	Swivel Adapter	1	1
99	2812-2	Reducer Bushing	6	10
100	353-271	Adapter	6	10
101	304-57	Adapter	1	1
102	32104-29	Screw	3	3
103	3-0301	Decal	1	1
104	329-22	Screw	4	4
105	3256-22	Washer	4	4
106	329-5	Screw	6	8
107	329-13	Screw	3	3
108	3290-216	Bevel Washer	19	23
109	5-2942	Shackle	5	5
110	283-6	Pin	3	3
*	5-5041	Decal	2	2

* Not Illustrated

DRAWBAR ASSEMBLY

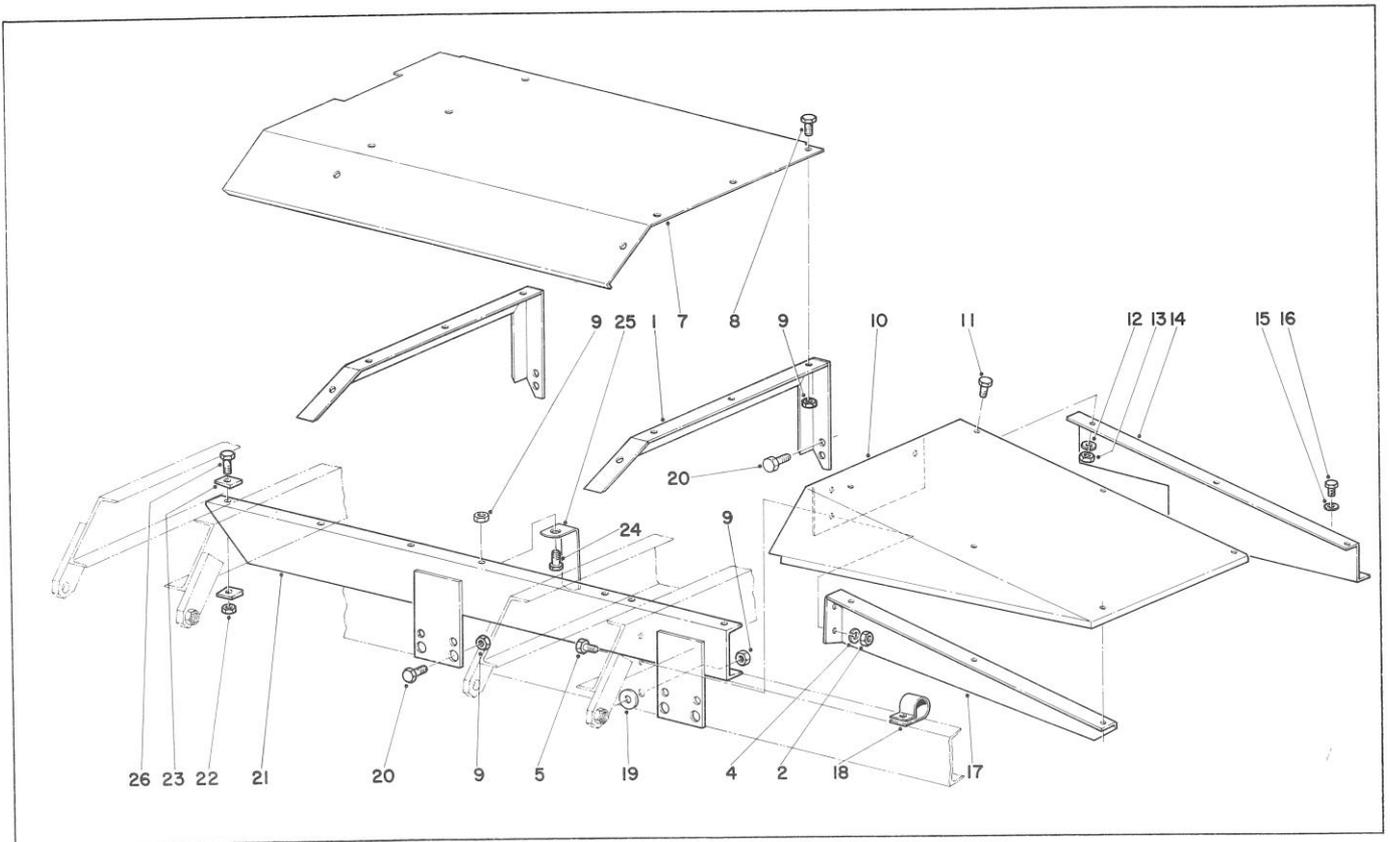


PARTS LIST

Ref. No.	Part No.	Description	No. Used	
			5 Unit	7 Unit
1	3-6530	Bail Lift	10	14
2	3-0348	Bushing	10	14
3	1-6559	Housing Incl. Ref. #2	5	7
4	3-8448	Washer	5	7
5	3296-50	Nut	5	7
6	302-40	Grease Fitting	5	7
7	3296-19	Nut	5	7
8	3213-12	Screw	5	7
9	3-9280	Drawbar	5	7

Ref. No.	Part No.	Description	No. Used	
			5 Unit	U 7 Unit
10	3219-5	Nut	10	14
11	3254-4	Lockwasher	10	14
12	3213-11	Screw	10	14
13	3253-6	Lockwasher	10	14
14	3212-10	Screw	10	14
15	5-1090	Clamp Drawbar	10	14
16	3219-4	Nut	10	14
17	5-1091	Spacer	10	14

FENDER AND MUDGUARD ASSEMBLY



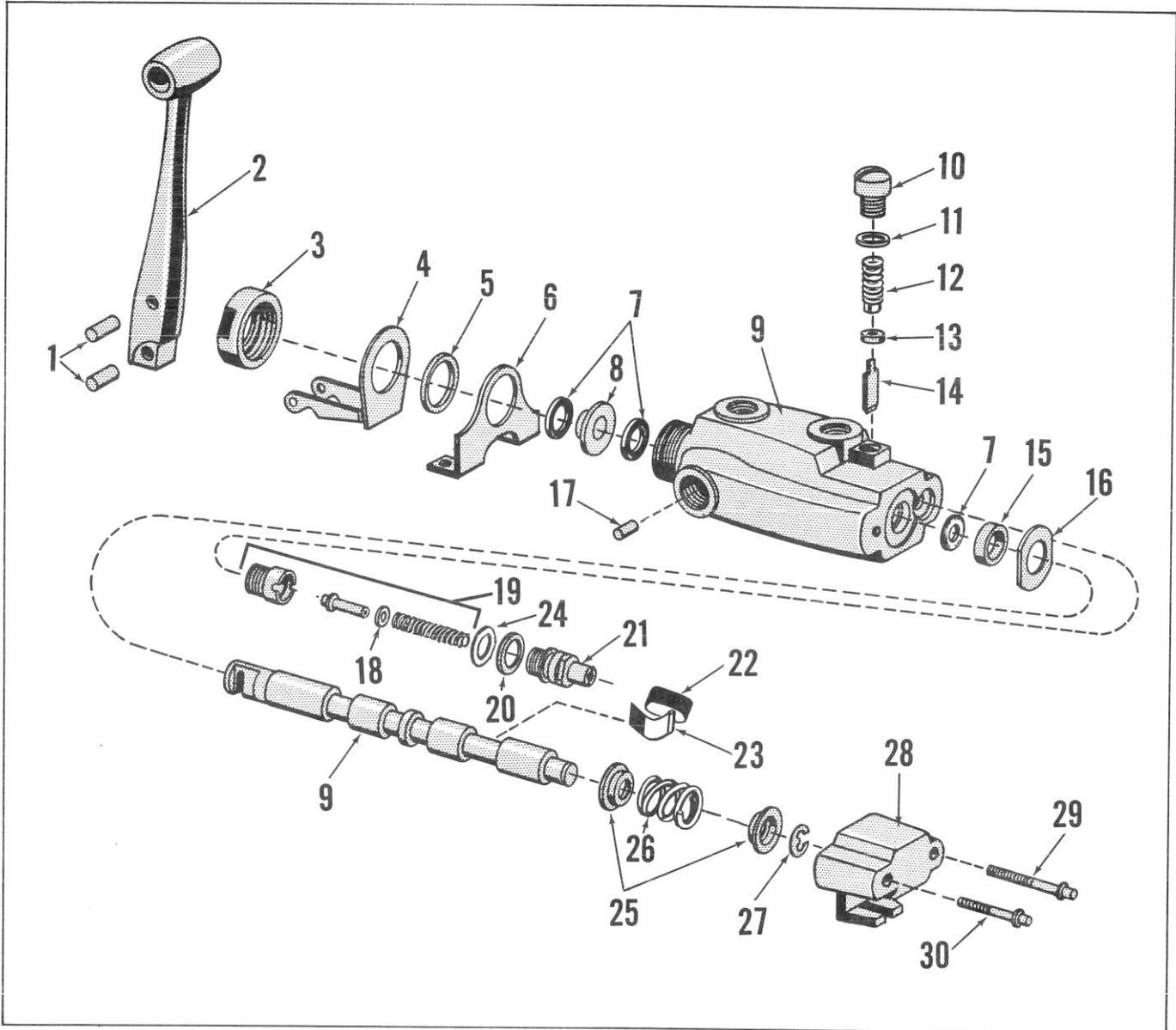
PARTS LIST

Ref. No.	Part No.	Description	No. Used	
			5 Unit	7 Unit
1	3-6520	Bracket	0	4
2	3217-7	Nut	0	8
4	3253-21	Lockwasher	0	8
5	323-6	Screw	0	6
7	3-4596	Mudguard Right	0	1
*	3-4597	Mudguard Left	0	1
8	3213-15	Screw	0	16
9	3296-19	Nut	18	43
10	5-2266	Fender R.H.	0	1
*	5-2265	Fender L.H.	0	1
11	322-2	Screw	0	12
12	3253-4	Lockwasher	0	12
13	3217-6	Nut	0	12
14	5-2264	Mount R.H. Fender	0	1

Ref. No.	Part No.	Description	No. Used	
			5 Unit	7 Unit
*	5-2263	Mount L.H. Fender	0	1
15	3256-24	Washer	0	4
16	32104-6	Screw Self Tapping	0	4
17	5-2262	Brace, Fender	0	2
18	304-61	Clip	2	2
19	3-1615	Spacer	0	2
20	3213-3	Screw	12	12
21	3-4608	Channel R.H. Side	1	1
*	3-4606	Channel L.H. Side	1	1
22	3213-12	Screw	5	7
23	3290-216	Nut	10	0
24	3213-2	Capscrew	2	2
25	3-0236	Hose Clip	2	2
26	3213-3	Screw	4	4

*Not Illustrated

3-8457 CONTROL VALVE ASSEMBLY



PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	32121-31	Pin	2
2	353-93	Handle	1
3	353-202	End Cap, Handle	1
4	353-203	Bracket, Handle	1
5	237-29	Seal, O-Ring	1
6	353-97	Bracket, Mounting	1
7	353-199	Seal, Vee Block	3
8	353-208	Retainer Seal	1
*9	3-8457	Valve Assy., Complete Ref. nos. 1-30	
10	353-114	Cap, Detent	1
11	237-30	Seal, O-Ring	1
12	353-115	Spacer and Spring Assy.	1
13	353-95	Bushing	1
14	353-100	Blade	1
15	353-206	Ring, Back Up	1

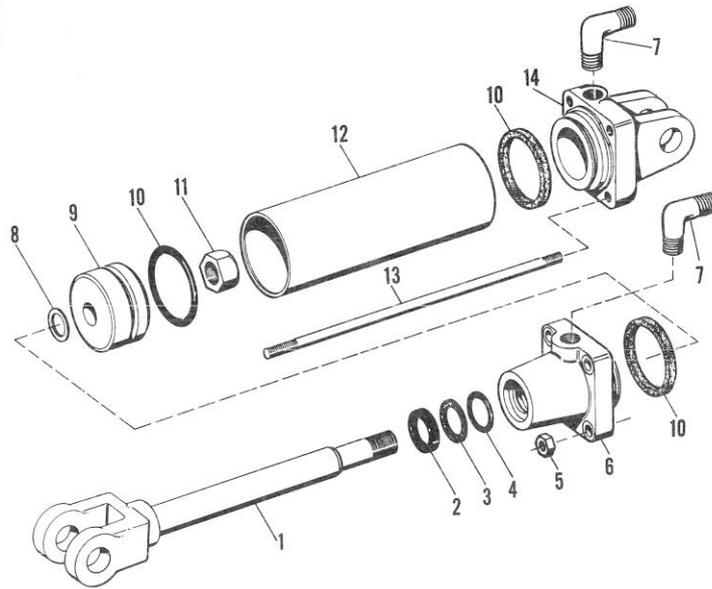
Ref. No.	Part No.	Description	No. Used
16	353-205	Washer	1
17	353-198	Plug, Conversion	1
18	353-209	Shim	1
19	353-272	Relief Valve Kit	1
20	237-28	Seal, O-Ring	1
21	353-200	Plug, Relief	1
22	353-98	Shuttle	1
23	353-108	Spring, Shuttle	1
24	353-273	Washer, Back Up	1
25	353-207	Spring Seat	2
26	353-201	Spring, Centering	1
27	32120-23	Ring, Retaining	1
28	353-204	End Cap, Mount End	1
29	3274-9	Screw	1
30	3274-19	Screw	1

* Not sold separately; order complete valve 3-8457

CYLINDER ASSEMBLY

5-3495 - 10" CYLINDER

5-3496 - 12" CYLINDER



Ref. No.	Part No.	Description	No. Used
1	353-291	12" Piston Rod Assy.	1
*	353-290	10" Piston Rod Assy.	1
2	353-256	Rod Wiper	1
3	353-255	Back Up Washer	1
4	353-254	Rod Seal	1
5	3219-4	Hex Nut	4
6	353-289	Gland Head	1
7	353-217	Adapter	2
8	353-296	O-Ring	1

Ref. No.	Part No.	Description	No. Used
9	353-292	Piston	1
10	353-253	Piston Seal	3
11	3219-8	Hex Nut	1
12	353-287	12" Barrel	1
*	353-286	10" Barrel	1
13	353-294	12" Tie Rod	4
*	353-293	10" Tie Rod	4
14	353-288	End Cap	1
		* Not Illustrated	

OPERATING INSTRUCTIONS

HYDRAULIC SYSTEM AND CONTROLS

The hydraulic system includes four double-acting hydraulic cylinders for raising and lowering the wing mowers, and one double-acting cylinder for raising and lowering the underslung side mowers and the rear center mower. Other components of the hydraulic system include hydraulic pump, hydraulic fluid tank, filter, lines and controls.

FILLING THE HYDRAULIC SYSTEM

To drain fluid from hydraulic system, disconnect high pressure hose from relief valve. Run tractor engine in idle position and drain into container until fluid ceases to flow. Reconnect hose to relief valve.

To add fluid to hydraulic system (reservoir), fill oil reservoir to 3/4 level with a good grade of SAE 10 oil or type A transmission fluid.

The Hydraulic Fluid Filter should be changed approximately every 6 months.

TO RAISE WING MOWERS FOR TRANSPORT

With the tractor engine running, pull down on wing mower controls (see control panel cover on tractor) until the wing mowers swing into position. The control levers will snap back into neutral position when each unit is fully raised.

TO LOWER WING UNITS FOR MOWING

Remove 4 safety chains from mowers and, with all control levers in neutral position, push down on the wing mower control. Lever will snap back into neutral position when mower is fully lowered.

TO RAISE UNDERSLUNG AND CENTER UNITS

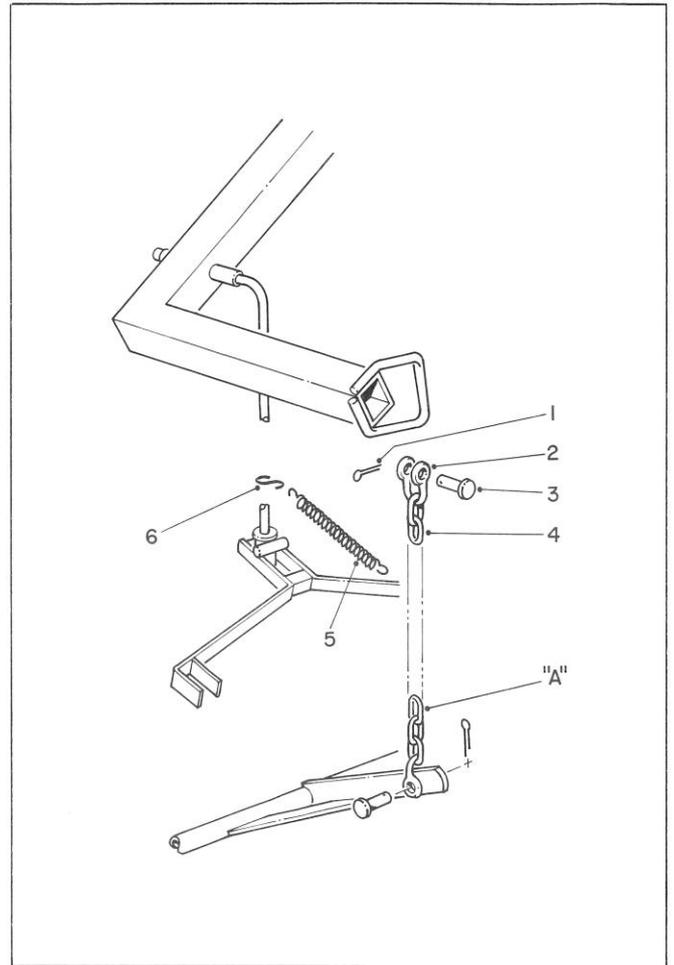
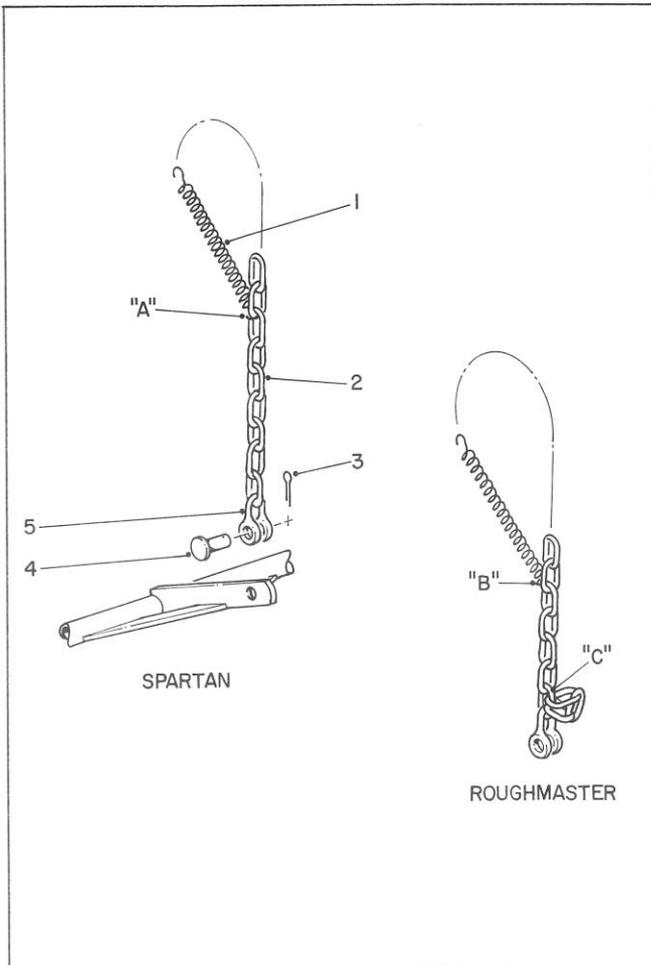
PULL DOWN on the center lever control and release. Underslung and rear center mowers will raise into position and the control lever will snap back to neutral position. Snap 4 safety chains into place and the Hydraulic Frame is now ready for transport.

TO LOWER UNDERSLUNG AND CENTER UNITS

PUSH DOWN on the center control lever to lower the left and right underslung and rear center mowers simultaneously. This lever will snap back to neutral position when mowers are fully lowered and can be left in this position for mowing.

CAUTION: BEFORE RAISING OR LOWERING MOWERS, EACH TIME CHECK TO MAKE SURE THAT NO PERSONS ARE WORKING ON, OR ARE NEAR, THE CUTTING UNITS.

ATTACHING MOWER TO ARMS



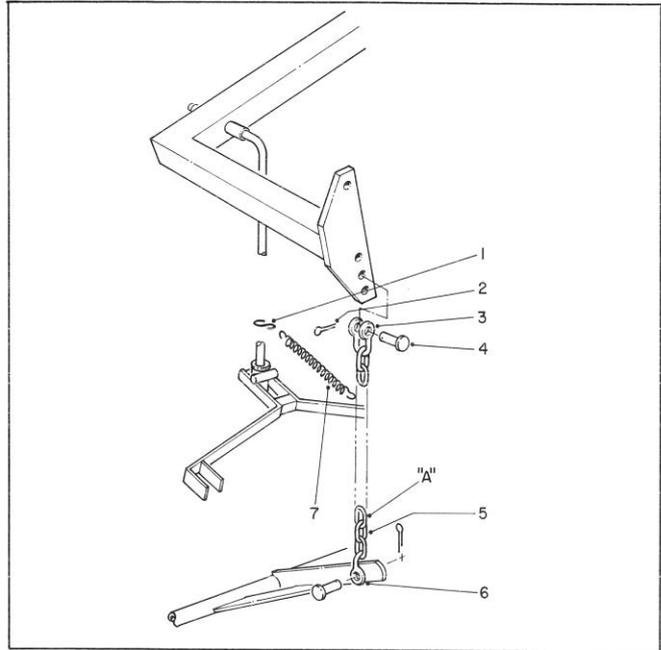
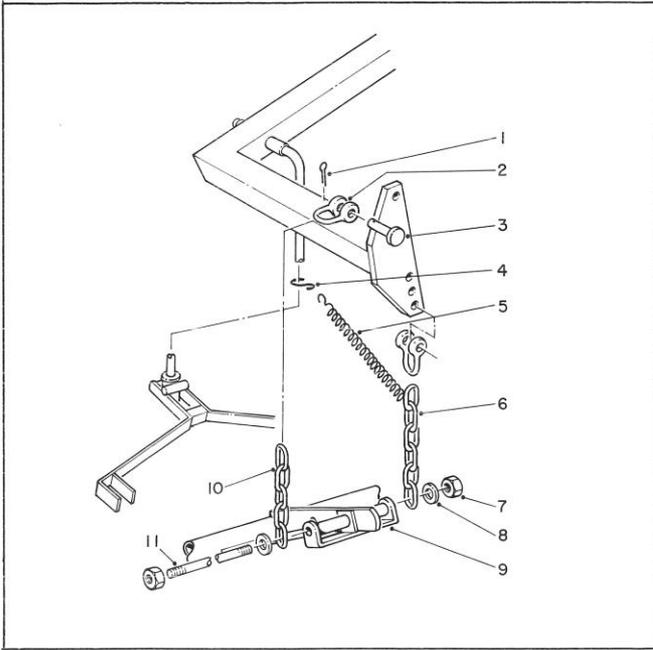
NOS. 2 & 3 MOWERS PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	5-1706	Spring	2
2	5-5130	Lift Chain	2
3	3272-10	Cotter Pin	2
4	283-6	Pin	2
5	5-2942	Shackle	2
		"A" Connect spring in 7th link from end.	
		"B" Connect spring in 5th link from end.	
		"C" Connect yoke in 4th link from end.	

NOS. 4 & 5 MOWERS SPARTAN & ROUGHMASTER PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	3272-10	Cotter Pin	4
2	282-13	Yoke	4
3	283-10	Pin	4
4	3-4636	Chain	2
5	5-1706	Spring	2
6	3-2198	S-Hook	2
		"A" Hook spring is 3rd link from bottom.	

ATTACHING MOWER TO ARMS



NOS. 6 & 7 MOWERS ROUGHMASTER PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	3272-10	Cotter Pin	4
2	282-13	Shackle	4
3	283-10	Pin	4
4	3-2198	S - Hook	2
5	5-1706	Spring	2
6	3-4636	Chain 7 Links	2
7	32127-9	Locknut	4
8	2-6690	Spacer	4
9	3-7700	Chain Bracket	2
10	3-4977	Chain 12 Links	2
11	3-4986	Rod	2

NOS. 6 & 7 MOWERS SPARTAN PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	3-2198	S - Hook	2
2	3272-10	Cotter Pin	4
3	5-2942	Shackle	2
4	283-10	Pin	4
5	3-4636	Chain	2
6	282-13	Shackle	2
7	5-1706	Spring	2
"A" Hook spring is 3rd link from bottom.			

Warranty

The Manufacturer warrants each new piece of equipment sold to be free of defects in material and workmanship. For one year from the purchase date of consumer line equipment or 45 days if sold for commercial use, Toro Manufacturing Corporation will repair or replace for the original purchaser, free of charge, through any Authorized Service Dealer, any part or parts found at our factory in Minneapolis, Minnesota, to be defective under normal use and service. All institutional equipment is warranted for ninety (90) days from the purchase date.

This Warranty does not obligate the Manufacturer to bear the cost of transportation charges in connection

with the replacement or repair of defective parts - - nor shall it apply to a machine upon which repairs or alterations have been made, unless authorized by the manufacturer.

This Warranty does not include nor cover standard accessories produced by other manufacturers. Such accessories have separate warranties by their respective manufacturers . . . and repair or exchange will be made on the basis of such warranties, and the policies authorized by them shall be adhered to.

This Warranty is in lieu of all other warranties expressed or implied.