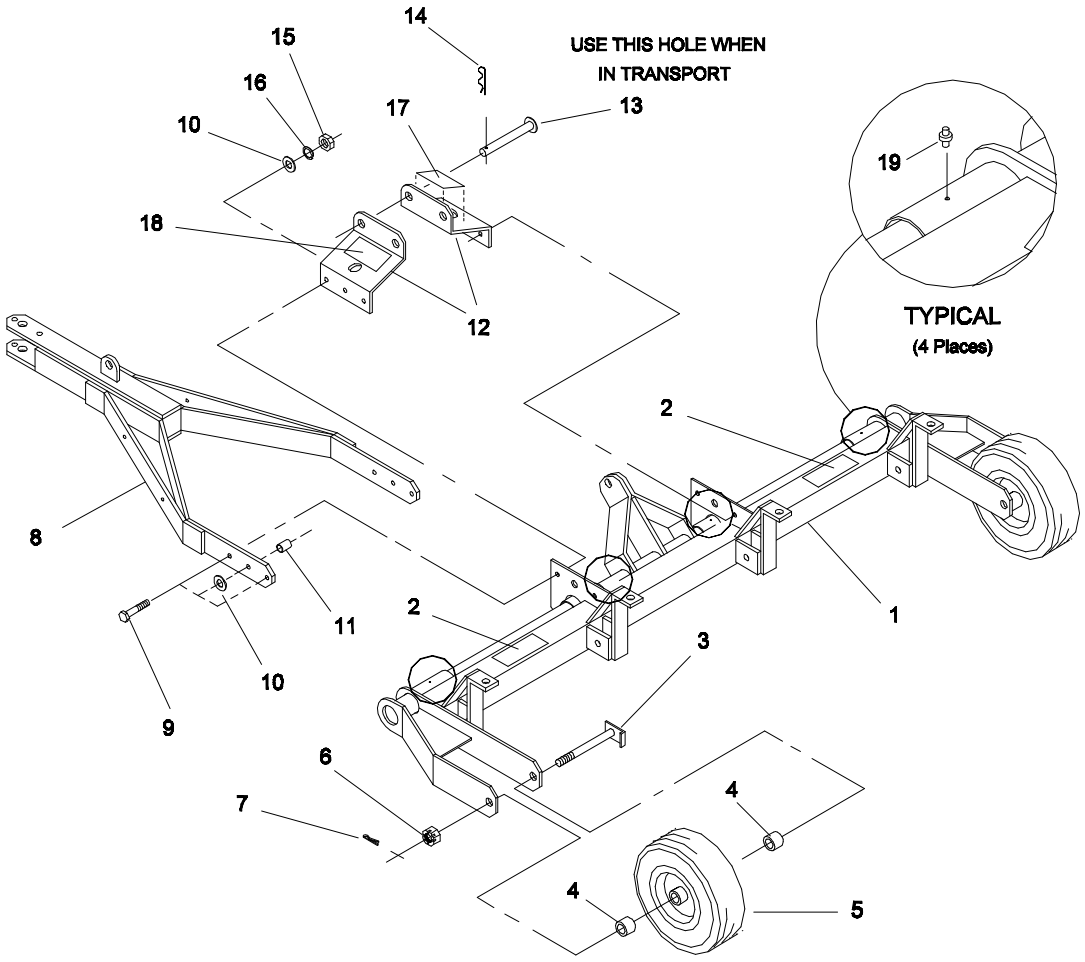
FORM NO. 98-8894 Rev. A

TORO®

MODEL NO. 44850 - 50001 & UP
MODEL NO. 44860 - 20101 & UP

PARTS CATALOG

AERATOR 686/AERATOR 687



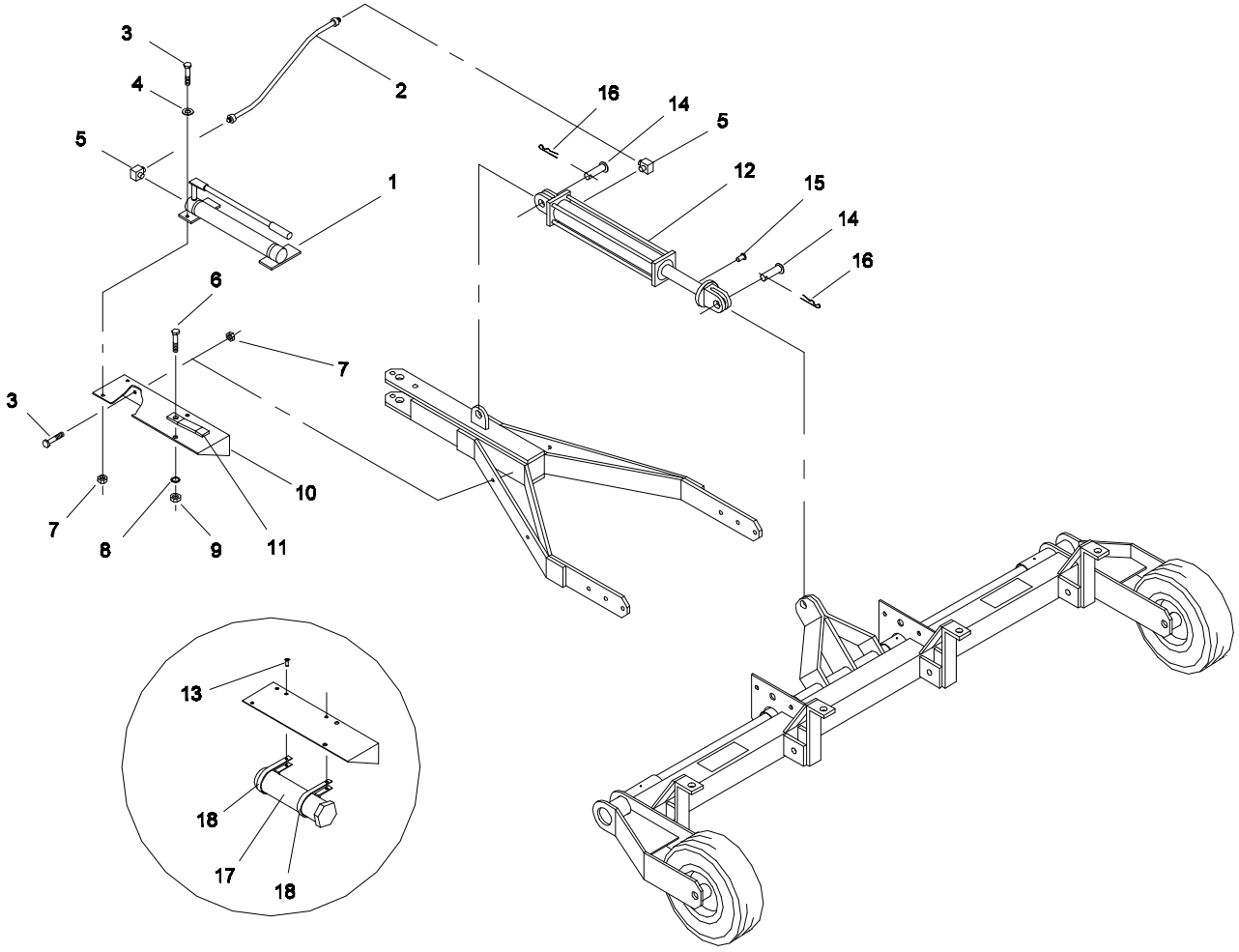
AERATOR 686 - MODEL NO. 44850
FRAME & TONGUE ASSEMBLY

686-001

Ref. No.	Part No.	Description	No. Used
1	68-605-3053	Main Frame	1
2	01-506-0680	Decal - Aerator 686	2
3	68-605-3701	Axle	2
4	68-604-3321	Wheel Spacer	4
5	01-269-0230	Tire & Wheel	2
6	01-190-1614	Castle Nut	2
7	3272-23	Cotter Pin	2
8	68-605-3102	Tongue Assembly	1
9	325-10	Capscrew - Hex Hd.	6
10	3256-6	Flat Washer	8

Ref. No.	Part No.	Description	No. Used
11	68-604-3501	Hitch Spacer	2
12	68-604-3532	Transport Lock Plate	2
13	01-252-0060	Hitch Pin	1
14	01-159-0060	Presto Pin	1
15	3217-9	Hex Nut	6
16	3253-7	Lock Washer	6
17	67-1300	Decal - Toro	1
18	01-506-0340	Decal - Danger	1
19	01-215-0050	Grease Fitting	4

© The TORO Company - 1998
All Rights Reserved



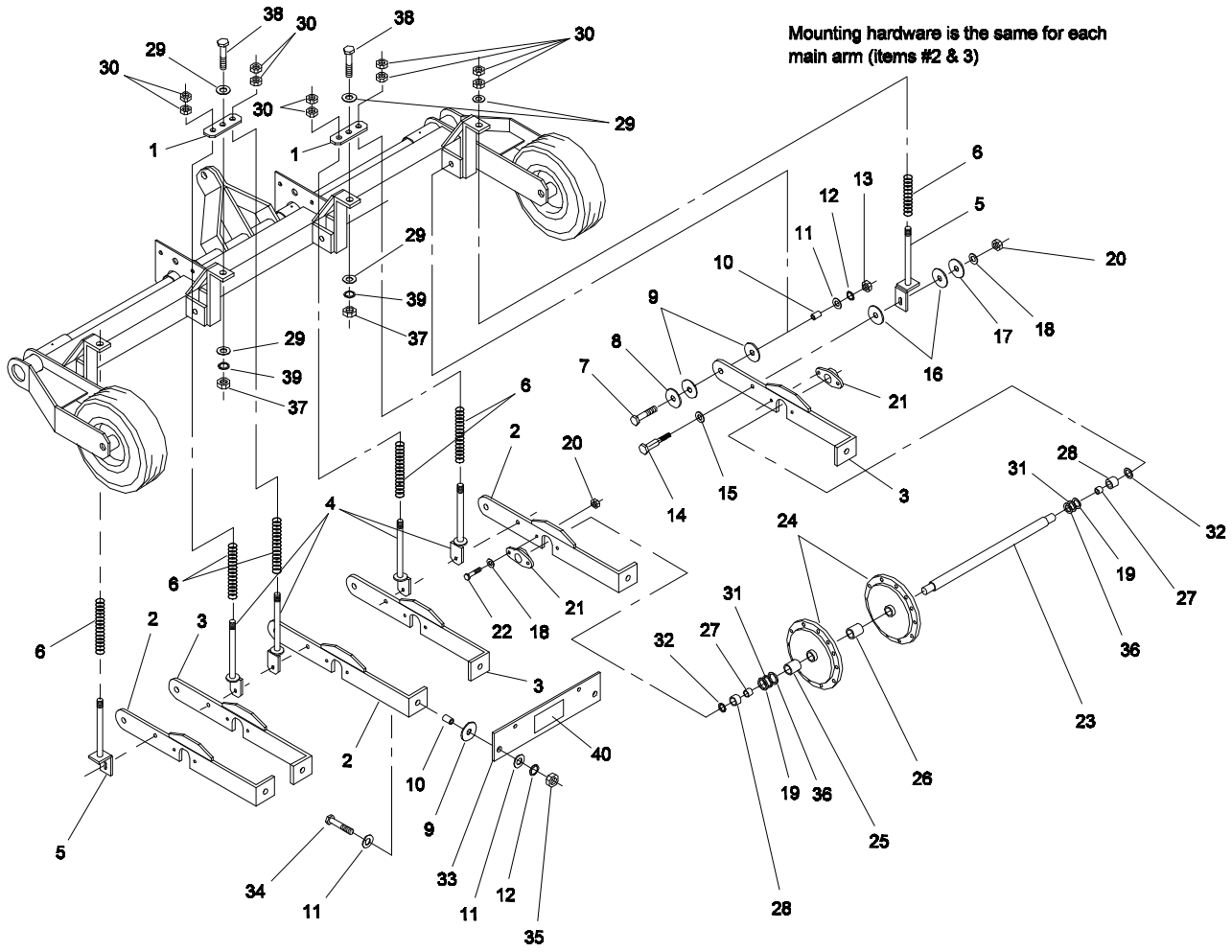
AERATOR 686 - MODEL NO. 44850
HAND PUMP & CYLINDER MOUNTING

686-005

Ref. No.	Part No.	Description	No. Used
1	01-305-0040	Hand Pump	1
*	01-305-0420	Seal Kit	1
2	01-312-0500	Hose Assembly	1
3	323-7	Capscrew - Hex Hd.	4
4	3256-4	Flat Washer	2
5	01-201-0190	Hydraulic Fitting	2
6	325-5	Capscrew - Hex Hd.	1
7	3296-39	Lock Nut	4
8	3253-7	Lock Washer	1
9	3217-9	Hex Nut	1
10	68-605-3081	Pump Mount	1

Ref. No.	Part No.	Description	No. Used
11	68-604-3511	Vibration Strap	1
12	01-301-0540	Cylinder	1
*	01-301-0570	Seal Kit	1
13	01-161-0020	Pop Rivet	2
14	01-252-0150	Clevis Pin	2
15	01-201-0330	Hydraulic Fitting	1
16	01-159-0010	Presto Pin	2
17	74-0720	Manual Tube	1
18	2412-133	R-Clamp	2

* Not Illustrated



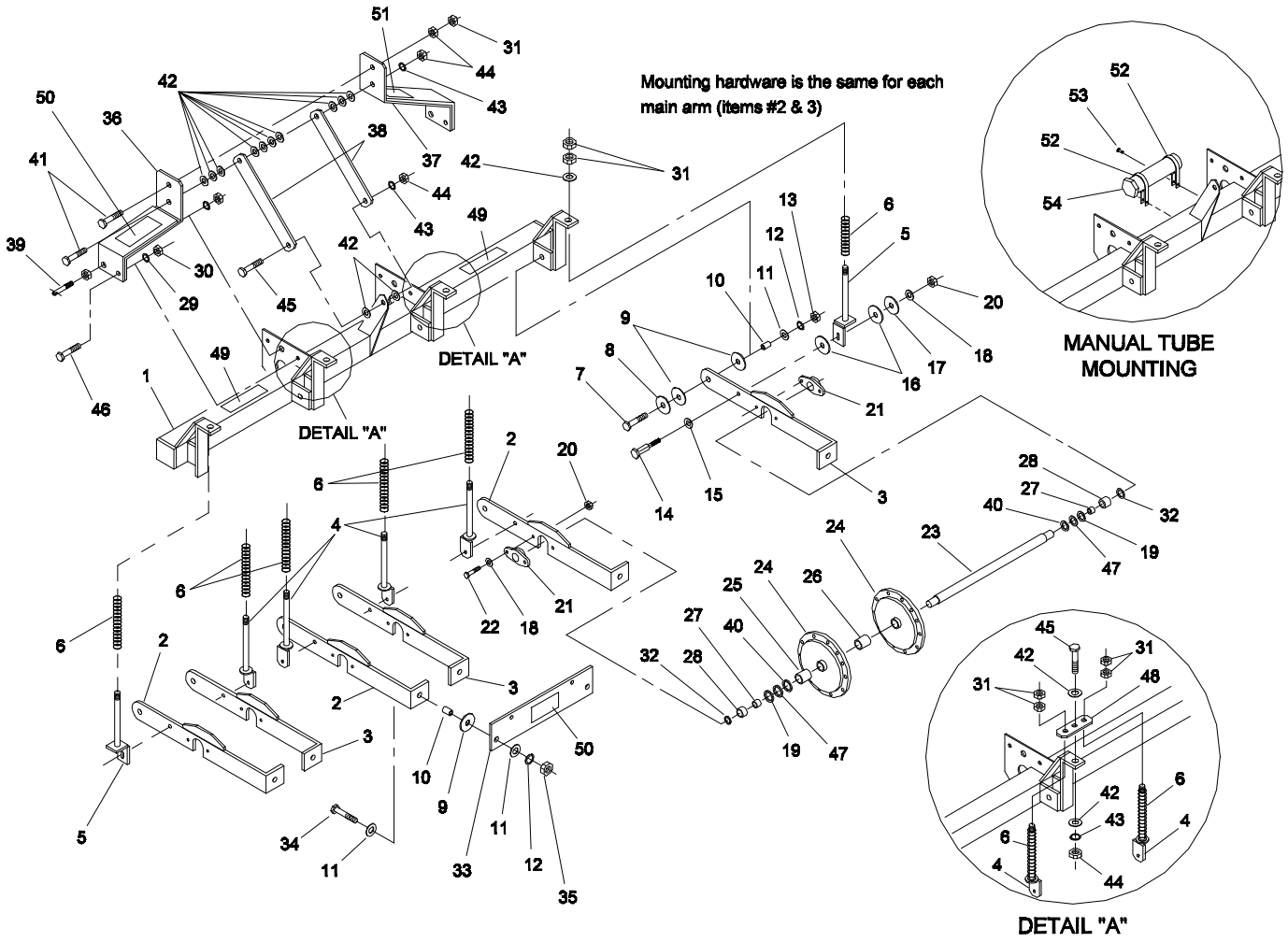
AERATOR 686 - MODEL NO. 44850
MAIN ARM ASSEMBLY

686-002

Ref. No.	Part No.	Description	No. Used
1	68-604-3571	Spring Mount	2
2	95-0082	Main Arm-L.H.	3
3	95-0081	Main Arm-R.H.	3
4	68-605-3141	Spring Bracket	4
5	68-605-3071	Spring Slide Bracket, outer	2
6	01-261-0190	Spring	6
7	327-6	Capscrew - Hex Hd.	6
8	68-604-3481	Large Washer	6
9	68-604-3151	Pivot Washer	18
10	01-125-0050	Bushing	12
11	3256-7	Flat Washer	18
12	3253-8	Lock Washer	12
13	3218-6	Jam Nut	6
14	01-158-0310	Shoulder Bolt	6
15	3256-6	Flat Washer	6
16	13-404-0221	Pivot Washer	12
17	68-604-3491	Small Washer	6
18	3256-4	Flat Washer	18
19	01-168-2018	Machinery Bushing	6(var)
20	3296-39	Lock Nut	18
21	01-100-0160	Bearing	6

Ref. No.	Part No.	Description	No. Used
22	323-8	Capscrew - Hex Hd.	12
23	68-604-3181	Aerator Shaft	3
24	44-004-0262	Casting	12
25	01-126-0030	Bushing	12
26	68-604-3421	Center Spacer	9
27	68-604-3451	Inside Spacer	6
28	68-604-3431	End Spacer	6
29	01-166-1200	Flat Washer	6
30	3218-7	Jam Nut	12
31	01-168-2014	Machinery Bushing	6(var)
32	01-168-1614	Machinery Bushing	6
33	68-604-3171	Main Arm End	3
34	327-7	Capscrew - Hex Hd.	6
35	3217-11	Hex Nut	6
36	01-168-2010	Machinery Bushing	6
37	3217-12	Hex Nut	2
38	328-2	Capscrew - Hex Hd.	2
39	3253-9	Lock Washer	2
40	67-1300	Decal - Toro	1
*	58-6520	Decal - Grease	12

* Not Illustrated

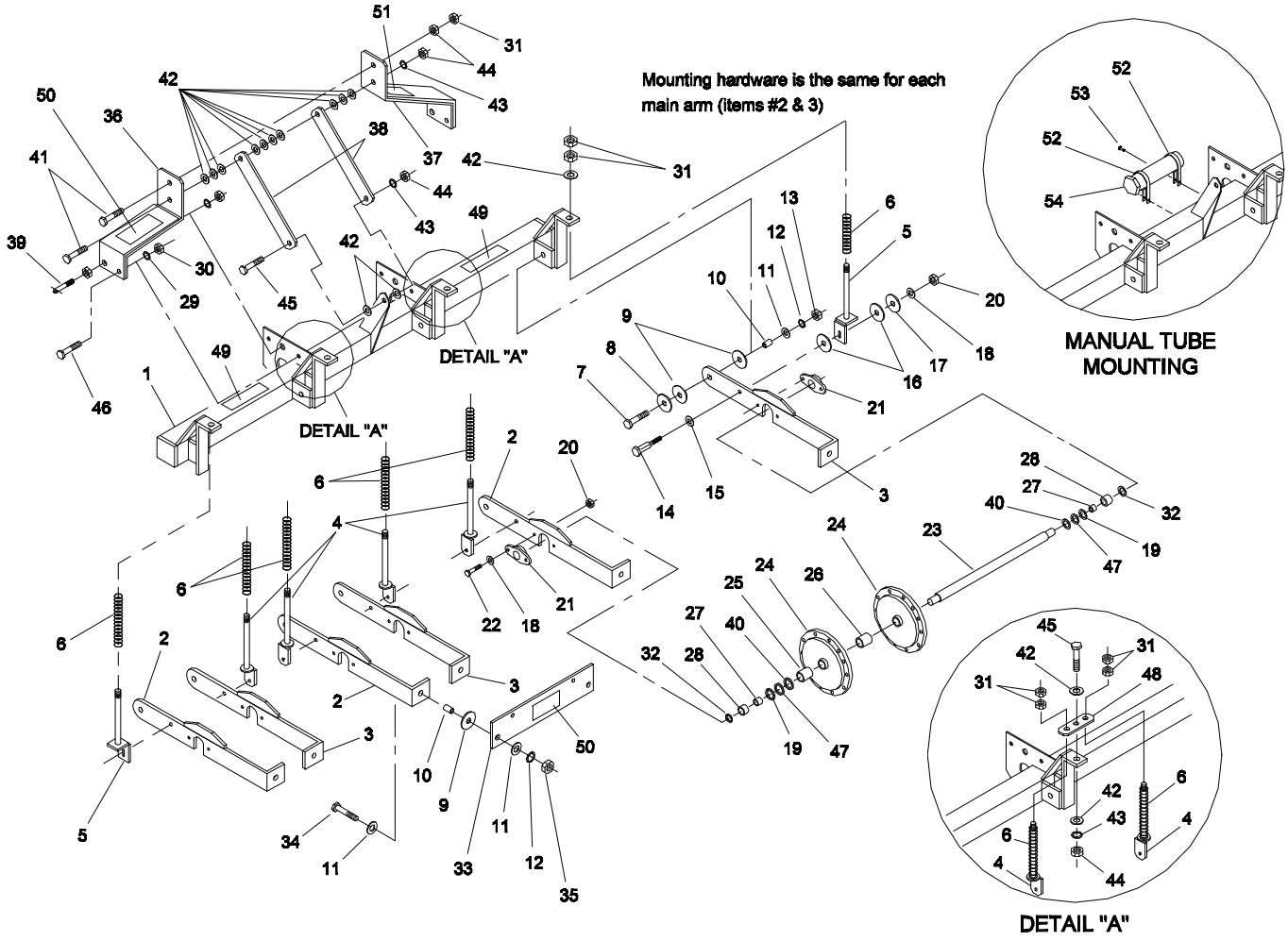


AERATOR 687 - MODEL NO. 44860

687-001

Ref. No.	Part No.	Description	No. Used
1	68-705-4053	Main Frame	1
2	95-0082	Main Arm-L.H.	3
3	95-0081	Main Arm-R.H.	3
4	68-605-3141	Spring Bracket	4
5	68-605-3071	Spring Slide Bracket, outer	2
6	01-261-0190	Spring	6
7	327-6	Capscrew - Hex Hd.	6
8	68-604-3481	Large Washer	6
9	68-604-3151	Pivot Washer	18
10	01-125-0050	Bushing	12
11	3256-7	Flat Washer	18
12	3253-8	Lock Washer	12
13	3218-6	Jam Nut	6
14	01-158-0310	Shoulder Bolt	6
15	3256-6	Flat Washer	6
16	13-404-0221	Pivot Washer	12
17	68-604-3491	Small Washer	6
18	3256-4	Flat Washer	18
19	01-168-2018	Machinery Bushing	6(var)
20	3296-39	Lock Nut	18
21	01-100-0160	Bearing	6
22	323-8	Capscrew - Hex Hd.	12
23	68-604-3181	Aerator Shaft	3
24	44-004-0262	Casting	12
25	01-126-0030	Bushing	12

Ref. No.	Part No.	Description	No. Used
26	68-604-3421	Center Spacer	9
27	68-604-3451	Inside Spacer	6
28	68-604-3431	End Spacer	6
29	3253-7	Lock Washer	2
30	3217-9	Hex Nut	2
31	3218-7	Jam Nut	13
32	01-168-1614	Machinery Bushing	6
33	68-604-3171	Main Arm End	3
34	327-7	Capscrew - Hex Hd.	6
35	3217-11	Hex Nut	6
36	68-705-4061	L.H. Lift Arm	1
37	68-705-4071	R.H. Lift Arm	1
38	68-704-4201	Hitch Stabilizer	2
39	01-252-0010	Hitch Pin w/nuts & lock washer	2
40	01-168-2010	Machinery Bushing	6
41	328-8	Capscrew - Hex Hd.	2
42	01-166-1200	Flat Washer	18
43	3253-9	Lock Washer	4
44	3217-12	Hex Nut	5
45	328-2	Capscrew - Hex Hd.	3
46	325-8	Capscrew - Hex Hd.	2
47	01-168-2014	Machinery Bushing	6(var)
48	68-604-3571	Spring Mount	2
49	01-506-0640	Decal - Aerator 687	2
50	67-1300	Decal - Toro	2



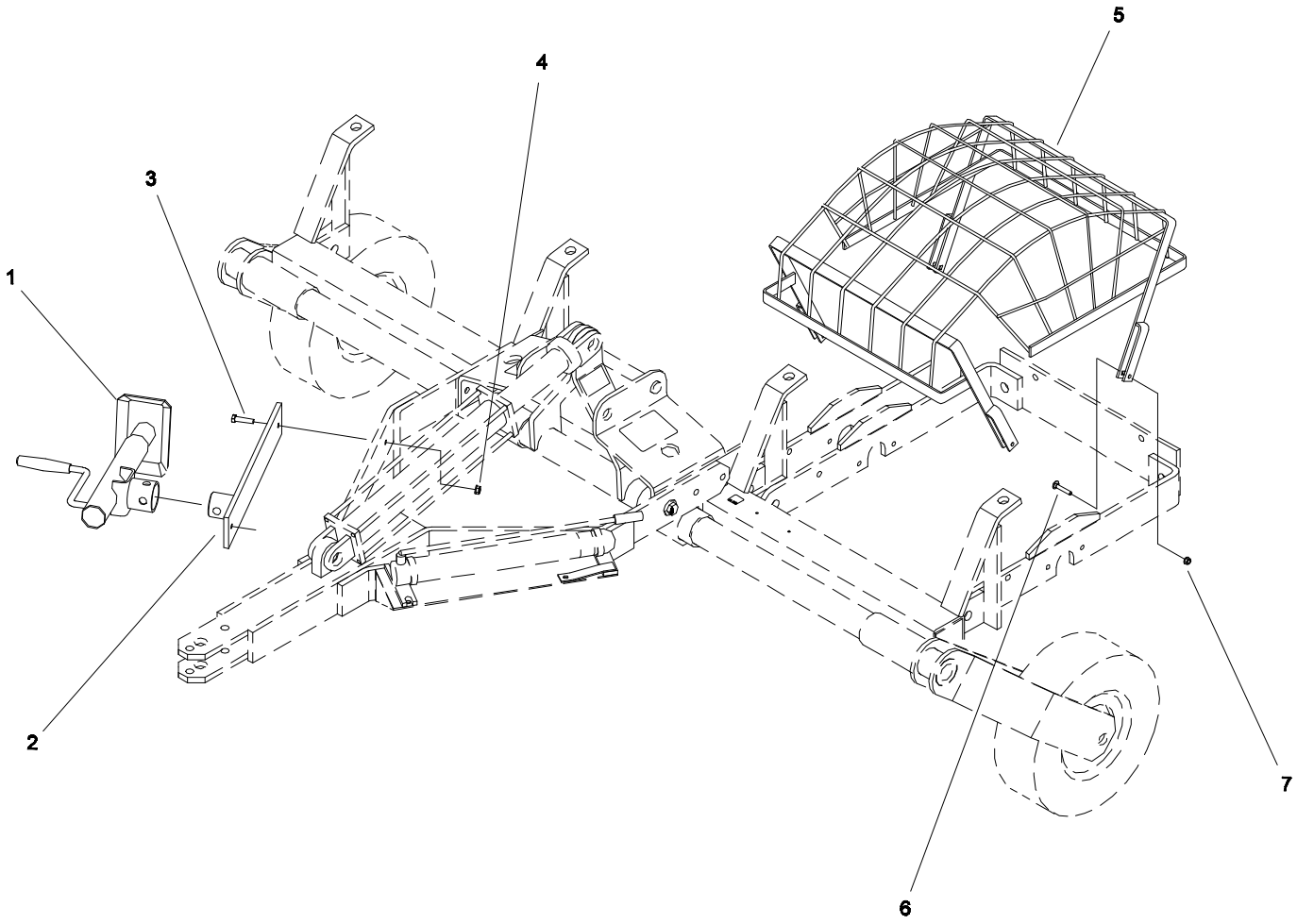
AERATOR 687 - MODEL NO. 44860 (Cont.)

687-001

Ref. No.	Part No.	Description	No. Used
51	01-506-0340	Decal - Danger	1
52	2412-133	R-Clamps	2
53	01-161-0020	Pop Rivet	2

Ref. No.	Part No.	Description	No. Used
54	74-0720	Manual Tube	1
*	58-6520	Decal - Grease	10

* Not Illustrated

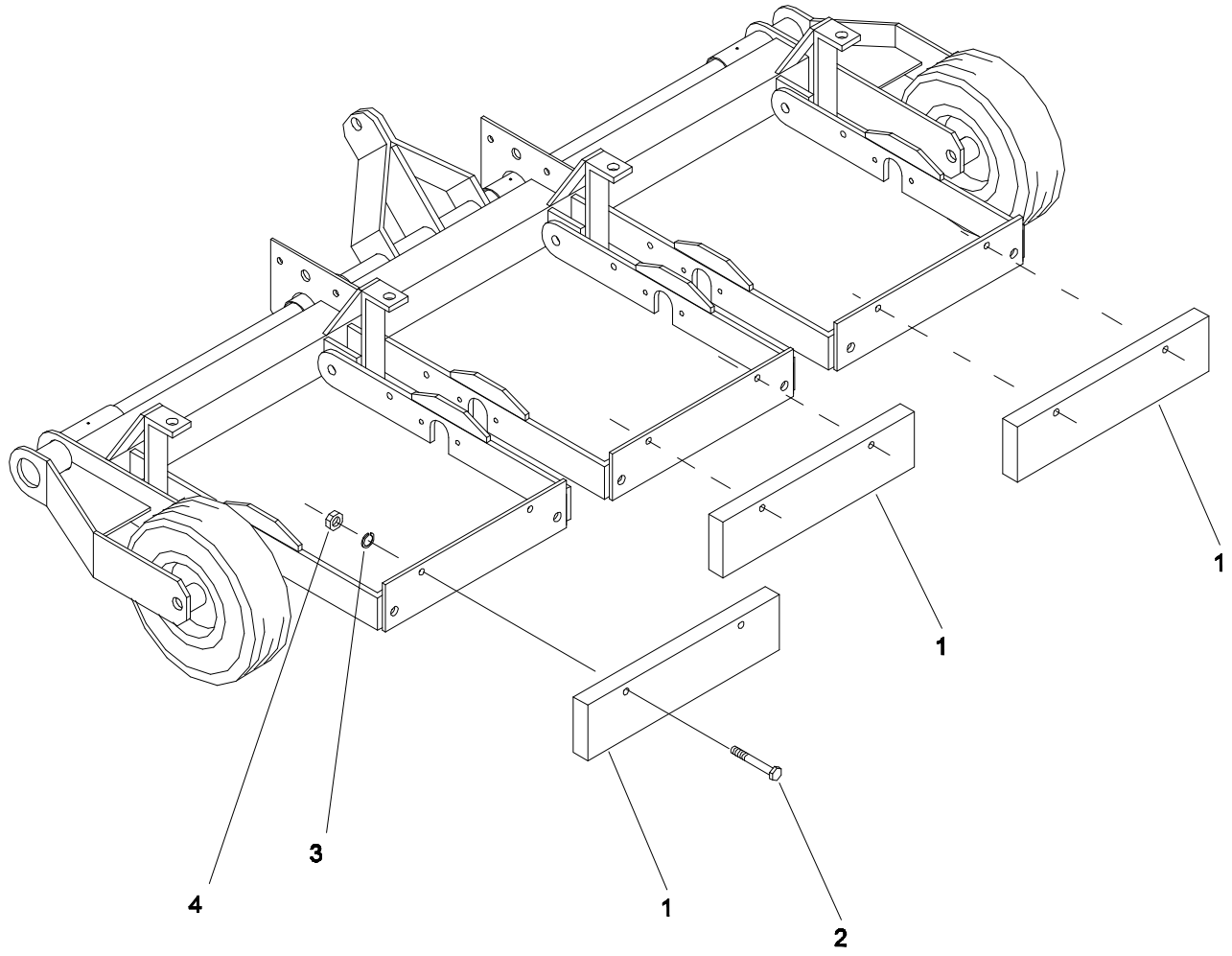


OPTIONS - JACK & GUARD ASSEMBLIES*

686-006

Ref. No.	Part No.	Description	No. Used
1	60-8900	Jack Assembly (686 Only)	1
2	99-0091	Jack Mount, WA (686 Only)	1
3	323-8	Capscrew - Hex Hd. (686 Only)	2
4	3296-39	Nut - Lock (686 Only)	2
5	95-3360	Guard Assembly	3

Ref. No.	Part No.	Description	No. Used
6	3230-3	Screw - Carriage	12
7	32128-20	Nut - Flange Lock	12
*	95-3350	CE Kit - Aerator 686 & 687 (Incl. #1 - 7)	1

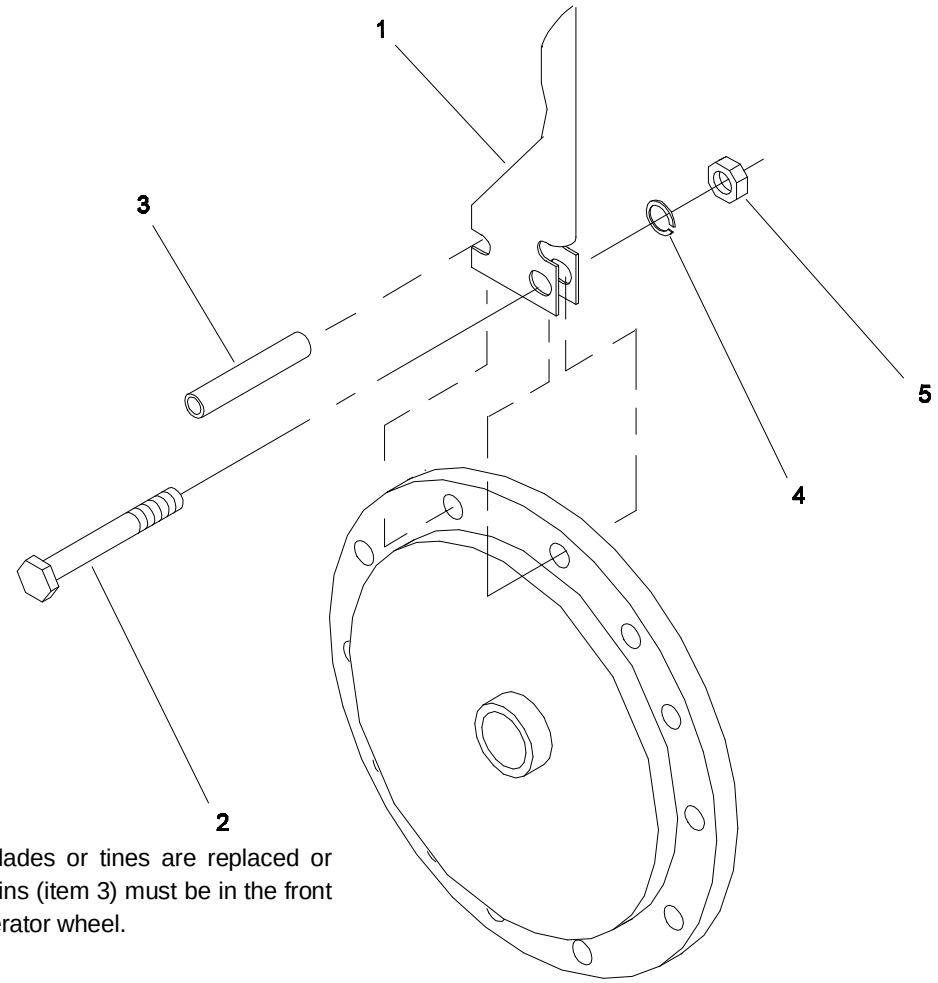


OPTIONS - WEIGHT KIT

686-004

Ref. No.	Part No.	Description	No. Used
1	68-604-3291	Weight Bar	3
2	01-178-0822	Capscrew - Hex Hd	6

Ref. No.	Part No.	Description	No. Used
3	01-166-0810	Lock Washer	6
4	3217-11	Hex Nut	6



NOTE: When blades or tines are replaced or re-installed, the pins (item 3) must be in the front position on the aerator wheel.

TINE & BLADE ASSEMBLY

686-003

Ref. No.	Part No.	Description	No. Used
1	01-283-0050	Coring Tine, 1/2" closed	96
*	01-283-0070	Coring Tine, 1/2" open	96
*	01-283-0060	Coring Tine, 3/4" closed	96
*	01-283-0080	Coring Tine, 3/4" open	96
*	01-283-0030	Slicing Blade, 4"	96

Ref. No.	Part No.	Description	No. Used
2	325-7	Capscrew - Hex Hd.	96
3	32121-122	Roll Pin	96
4	3253-7	Lock Washer	96
5	3217-9	Hex Nut	96

* Not Illustrated

PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
01-100-0160	Bearing	4	21	6
01-100-0160	Bearing	3	21	6
01-125-0050	Bushing	3	10	12
01-125-0050	Bushing	4	10	12
01-126-0030	Bushing	3	25	12
01-126-0030	Bushing	4	25	12
01-158-0310	Shoulder Bolt	3	14	6
01-158-0310	Shoulder Bolt	4	14	6
01-159-0010	Presto Pin	2	16	2
01-159-0060	Presto Pin	1	14	1
01-161-0020	Pop Rivet	2	13	2
01-161-0020	Pop Rivet	5	53	2
01-166-0810	Lock Washer	7	3	6
01-166-1200	Flat Washer	3	29	6
01-166-1200	Flat Washer	4	42	18
01-168-1614	Machinery Bushing	3	32	6
01-168-1614	Machinery Bushing	4	32	6
01-168-2010	Machinery Bushing	3	36	6
01-168-2010	Machinery Bushing	4	40	6
01-168-2014	Machinery Bushing	3	31	6
01-168-2014	Machinery Bushing	4	47	6
01-168-2018	Machinery Bushing	3	42	6
01-168-2018	Machinery Bushing	5	56	6
01-178-0822	Capscrew - Hex Hd.	7	2	6
01-190-1614	Castle Nut	1	6	2
01-201-0190	Hydraulic Fitting	2	5	2
01-201-0330	Hydraulic Fitting	2	15	1
01-215-0050	Grease Fitting	1	19	4
01-252-0010	Hitch Pin	4	39	2
01-252-0060	Hitch Pin	1	13	1
01-252-0150	Clevis Pin	2	14	2
01-261-0190	Spring	3	6	6
01-261-0190	Spring	4	6	6
01-269-0230	Tire & Wheel	1	5	2
01-283-0030	Slicing Blade	8	*	96
01-283-0050	Coring Tine	8	1	96
01-283-0060	Coring Tine	8	*	96
01-283-0070	Coring Tine	8	*	96
01-283-0080	Coring Tine	8	*	96
01-301-0540	Cylinder	2	12	1
01-301-0570	Seal Kit	2	*	1
01-305-0040	Hand Pump	2	1	1
01-305-0420	Seal Kit	2	*	1
01-312-0500	Hose Assembly	2	2	1
01-506-0340	Decal - Danger	1	18	1
01-506-0340	Decal - Danger	5	51	1
01-506-0640	Decal - Aerator 687	4	49	2
01-506-0680	Decal - Aerator 686	1	2	2
13-404-0221	Pivot Washer	3	16	12
13-404-0221	Pivot Washer	4	16	12
2412-133	R-Clamp	2	18	2
2412-133	R-Clamps	5	52	2
32121-122	Roll Pin	8	3	96
3217-11	Hex Nut	3	35	6
3217-11	Hex Nut	4	35	6
3217-11	Hex Nut	7	4	6
3217-12	Hex Nut	3	37	2
3217-12	Hex Nut	4	44	5
3217-9	Hex Nut	1	15	6
3217-9	Hex Nut	2	9	1
3217-9	Hex Nut	4	30	2
3217-9	Hex Nut	8	5	96
3218-6	Jam Nut	3	13	6
3218-6	Jam Nut	4	13	6
3218-7	Jam Nut	3	30	12
3218-7	Jam Nut	4	31	13
323-7	Capscrew - Hex Hd.	2	3	4
323-8	Capscrew - Hex Hd.	3	22	12
323-8	Capscrew - Hex Hd.	4	22	12
325-10	Capscrew - Hex Hd.	1	9	6
325-5	Capscrew - Hex Hd.	2	6	1
325-7	Capscrew - Hex Hd.	8	2	96
325-8	Capscrew - Hex Hd.	4	46	2
3253-7	Lock Washer	1	16	6
3253-7	Lock Washer	2	8	1
3253-7	Lock Washer	4	29	2
3253-7	Lock Washer	8	4	96
3253-8	Lock Washer	3	12	12
3253-8	Lock Washer	4	12	12
3253-9	Lock Washer	3	39	2
3253-9	Lock Washer	4	43	4
3256-4	Flat Washer	2	2	2
3256-4	Flat Washer	3	18	18
3256-4	Flat Washer	4	18	18
3256-6	Flat Washer	1	10	8
3256-6	Flat Washer	3	15	6
3256-6	Flat Washer	4	15	6
3256-7	Flat Washer	3	11	18
3256-7	Flat Washer	4	11	18
327-6	Capscrew - Hex Hd.	3	7	6
327-6	Capscrew - Hex Hd.	4	7	6
327-7	Capscrew - Hex Hd.	3	34	6
327-7	Capscrew - Hex Hd.	4	34	6
3272-23	Cotter Pin	1	7	2
328-2	Capscrew - Hex Hd.	3	38	2
328-2	Capscrew - Hex Hd.	4	45	3
328-8	Capscrew - Hex Hd.	4	41	2
3296-39	Lock Nut	2	7	4
3296-39	Lock Nut	3	20	18
3296-39	Lock Nut	4	20	18
44-004-0262	Casting	3	24	12
44-004-0262	Casting	4	24	12
58-6520	Decal - Grease	3	*	12
58-6520	Decal - Grease	5	*	10
67-1300	Decal - Toro	1	17	1
67-1300	Decal - Toro	3	40	1
67-1300	Decal - Toro	4	50	2
68-604-3151	Pivot Washer	3	9	18
68-604-3151	Pivot Washer	4	9	18
68-604-3171	Main Arm End	3	33	3
68-604-3171	Main Arm End	4	33	3
68-604-3181	Aerator Shaft	3	23	3
68-604-3181	Aerator Shaft	4	23	3
68-604-3291	Weight	7	1	3
68-604-3321	Wheel Spacer	1	4	4
68-604-3421	Center Spacer	3	26	9
68-604-3421	Center Spacer	4	26	9
68-604-3431	End Spacer	3	28	6
68-604-3431	End Spacer	4	28	6
68-604-3451	Inside Spacer	3	27	6
68-604-3451	Inside Spacer	4	27	6
68-604-3481	Large Washer	3	8	6

* Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.
68-604-3481	Large Washer	4	8	6
68-604-3491	Small Washer	3	17	6
68-604-3491	Small Washer	4	17	6
68-604-3501	Hitch Spacer	1	11	2
68-604-3511	Vibration Strap	2	11	1
68-604-3532	Transport Lock Plate	1	12	2
68-604-3571	Spring Mount	3	1	2
68-604-3571	Spring Mount	4	48	2
68-605-3053	Main Frame	1	1	1
68-605-3071	Spring Slide Bracket	3	5	2
68-605-3071	Spring Slide Bracket	4	5	2
68-605-3081	Pump Mount	2	10	1
68-605-3102	Tongue Assembly	1	8	1
68-605-3141	Spring Bracket	3	4	4
68-605-3141	Spring Bracket	4	4	4
68-605-3701	Axle	1	3	2
68-704-4201	Hitch Stabilizer	4	38	2
68-705-4053	Main Frame	4	1	1
68-705-4061	L.H. Lift Arm	4	36	1
68-705-4071	R.H. Lift Arm	4	37	1
74-0720	Manual Tube	2	17	1
74-0720	Manual Tube	5	54	1
95-0081	Main Arm-R.H.	3	3	3
95-0081	Main Arm-R.H.	4	3	3
95-0082	Main Arm-L.H.	3	2	3
95-0082	Main Arm-L.H.	4	2	3
95-3350	CE Kit - Aerator 686 & 687	6	*	1

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit which is not reflected in your manual see your TORO Distributor or an Authorized Service Dealer for information and part numbers.

IDENTIFICATION & ORDERING

MODEL AND NUMBERS

The Aerators 686/687 have two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame. In any correspondence concerning the Aerators 686/687, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from your TORO Distributor or an Authorized Service Dealer, supply the following information:

1. Model and serial number of the unit.
2. Part number description and the quantity of part (s) desired.

NOTE: Do not order by reference number if a parts catalog is being used: use the PART NUMBER.

TABLE OF CONTENTS

Description	Page
Aerator 686 - Model No. 44850 Frame & Tongue Assembly	1
Aerator 686 - Model No. 44850 Hand Pump & Cylinder Mounting	2
Aerator 686 - Model No. 44850 Main Arm Assembly	3
Aerator 687 - Model No. 44860	4 - 5
Options - Jack & Guard Assemblies	6
Options - Weight Kit	7
Tine & Blade Assembly	8
Part Number Index	9 - 10

MAINTENANCE RECORD

Date								