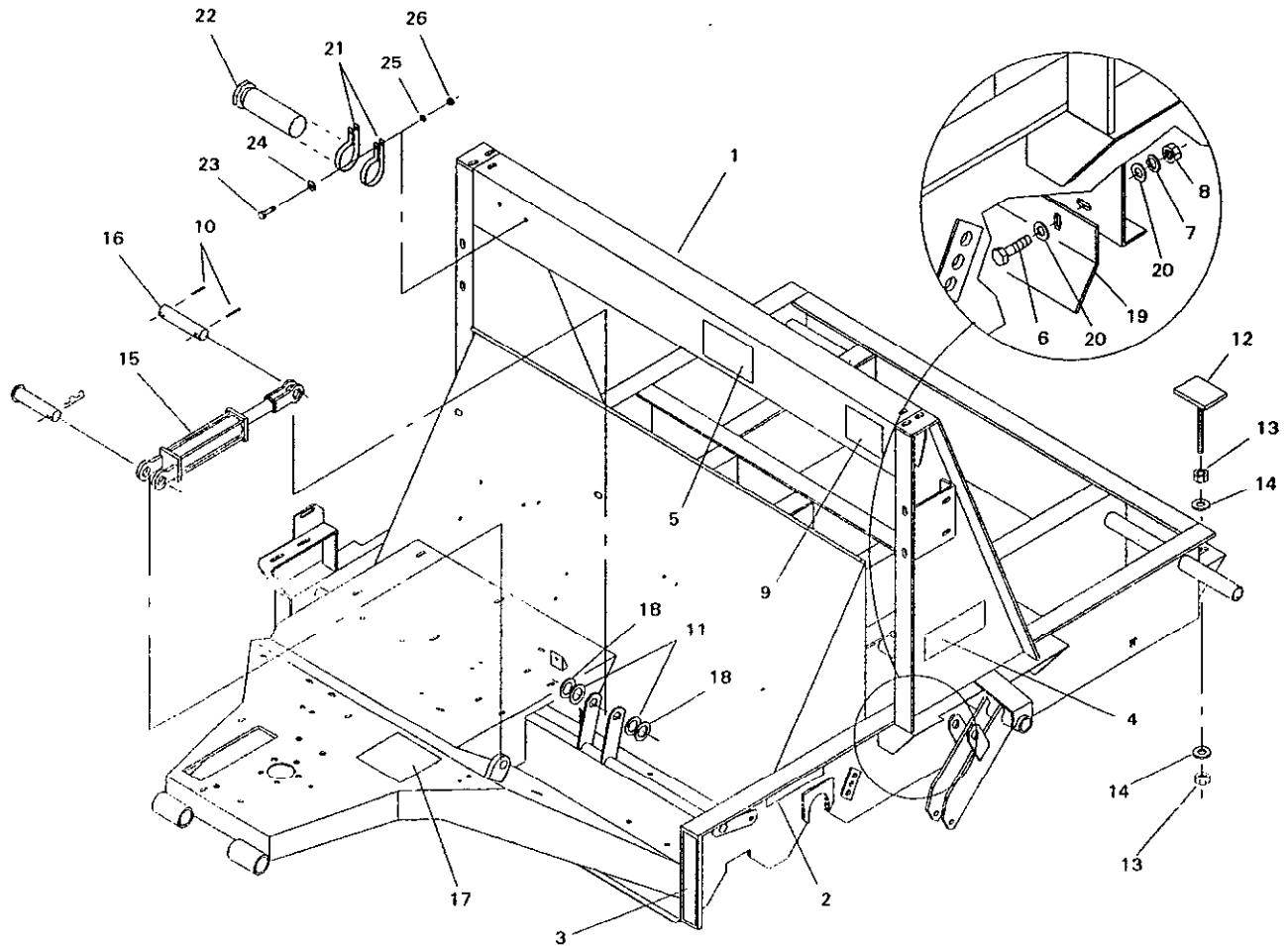




MODEL NO. 44083 - 60001 & UP

PARTS CATALOG

TURF SWEEPER 1660HL



MAIN FRAME ASSEMBLY

1660-1

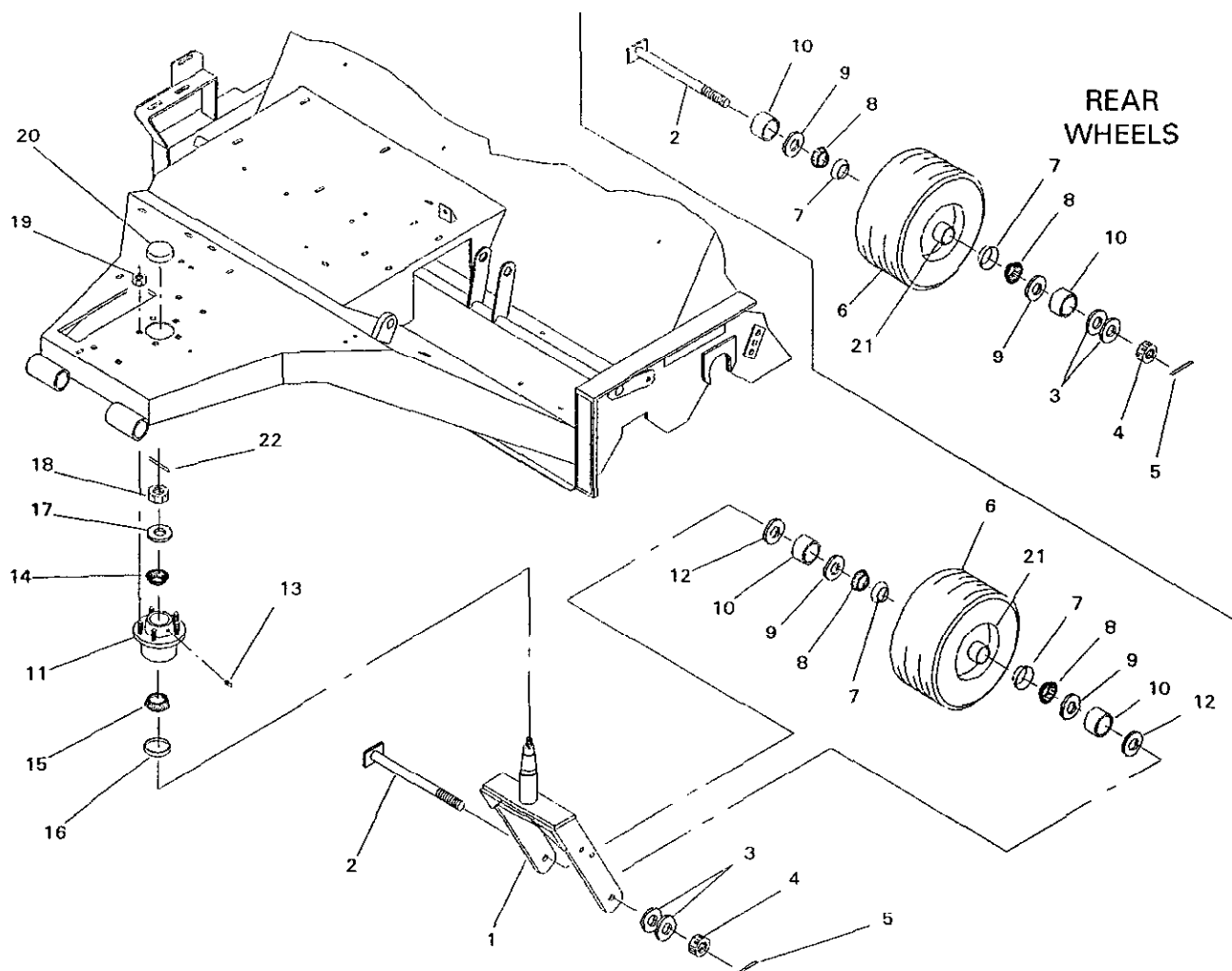
Ref. No.	Part No.	Description	No. Used
1	66-005-4914	Main Frame	1
2	01-506-0080	Decal - Danger	1
3	01-506-0150	Decal - Height Gauge	1
4	01-506-0730	Decal - Turf Sweeper 1660HL	2
5	66-1210	Decal - Toro	1
6	323-7	Capscrew - Hex Hd.	6
7	3253-5	Lock Washer	6
8	3217-7	Hex Nut	6
9	01-506-0070	Decal - Danger	1
10	3272-23	Cotter Pin	2
11	01-168-1614	Machinery Bushing	2(var)
12	66-005-0421	Hopper Stop Pad	2
13	3217-11	Hex Nut	4
14	3256-7	Flat Washer	4

Ref. No.	Part No.	Description	No. Used
15	01-301-0550	Cylinder	1
*	01-301-0570	Seal Kit	1
16	66-004-2171	Cylinder Pin	1
17	01-506-1150	Decal - Danger	1
18	01-168-1610	Machinery Bushing	2(var)
19	66-004-1621	Air Deflector	1
20	3256-4	Flat Washer	8
21	2412-133	R-Clamp	2
22	74-0720	Tube	1
23	321-4	Capscrew - Hex Hd.	2
24	3256-2	Flat Washer	2
25	3253-3	Lock Washer	2
26	3217-5	Hex Nut	2

* Not Illustrated

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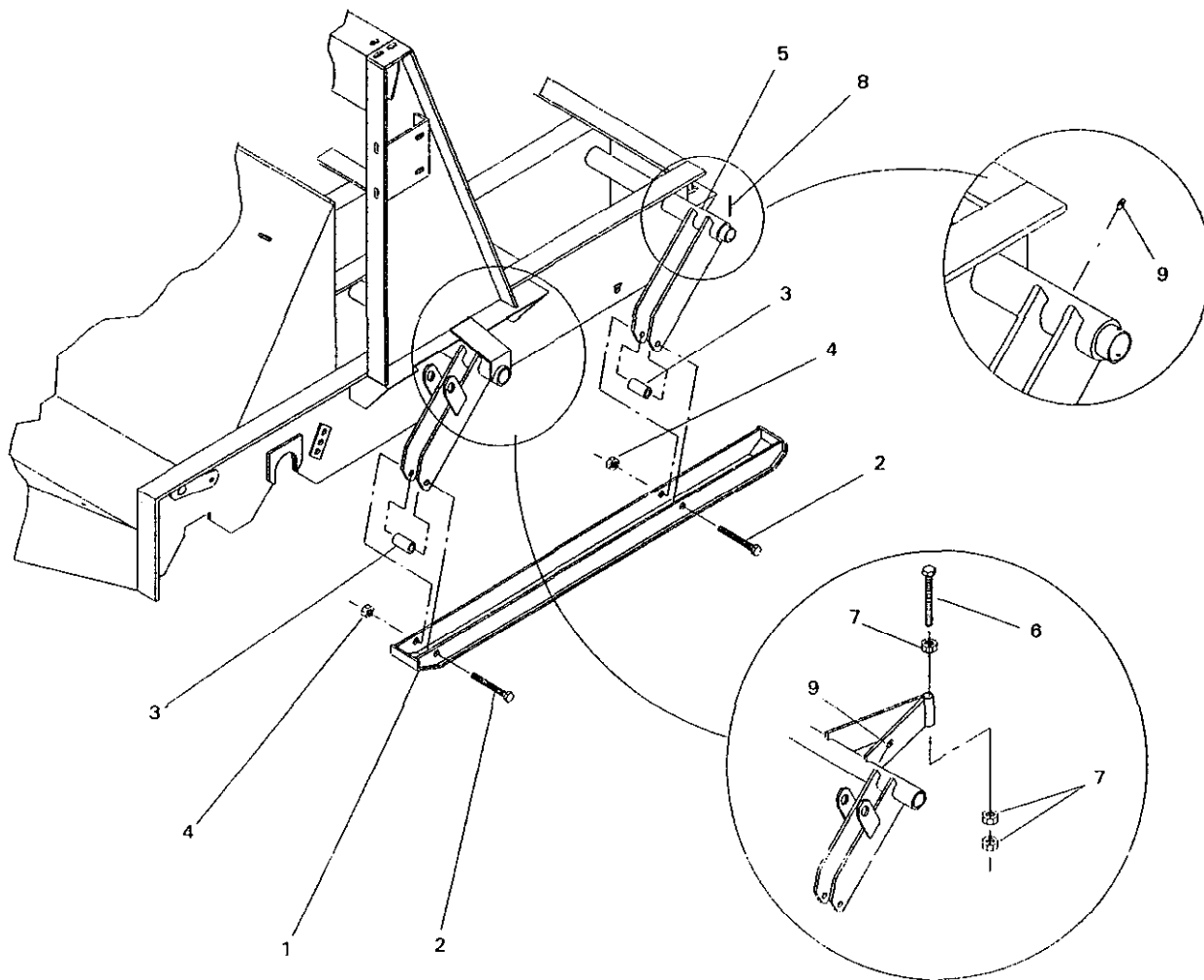


WHEEL ASSEMBLY

1650-2

Ref. No.	Part No.	Description	No. Used
1	66-005-3481	Yoke Assembly	1
2	48-005-0421	Axle Bolt Assembly	5
3	01-168-1210	Machinery Bushing	10(var)
4	01-190-1210	Castle Nut	5
5	3272-23	Cotter Pin	5
6	01-269-0320	Tire	5
7	01-103-0130	Race	10
8	254-78	Bearing	10
9	01-405-0460	Oil Seal	10
10	01-269-0060	Wheel Spacer	10
11	01-269-0140	Steering Hub, complete (Incl. Ref. #14,15,16,19,20)	1

Ref. No.	Part No.	Description	No. Used
12	01-168-1218	Machinery Bushing	2
13	01-215-0050	Grease Fitting	1
14	01-102-0070	Outer Bearing	1
15	01-102-0050	Inner Bearing	1
16	01-405-0370	Seal	1
17	3256-28	"SAE" Flat Washer	1
18	01-190-1216	Castle Nut	1
19	01-269-0300	Lug Nut	5
20	01-286-0040	Dust Cap	1
21	01-269-0340	Wheel	5
22	3272-15	Cotter Pin	1



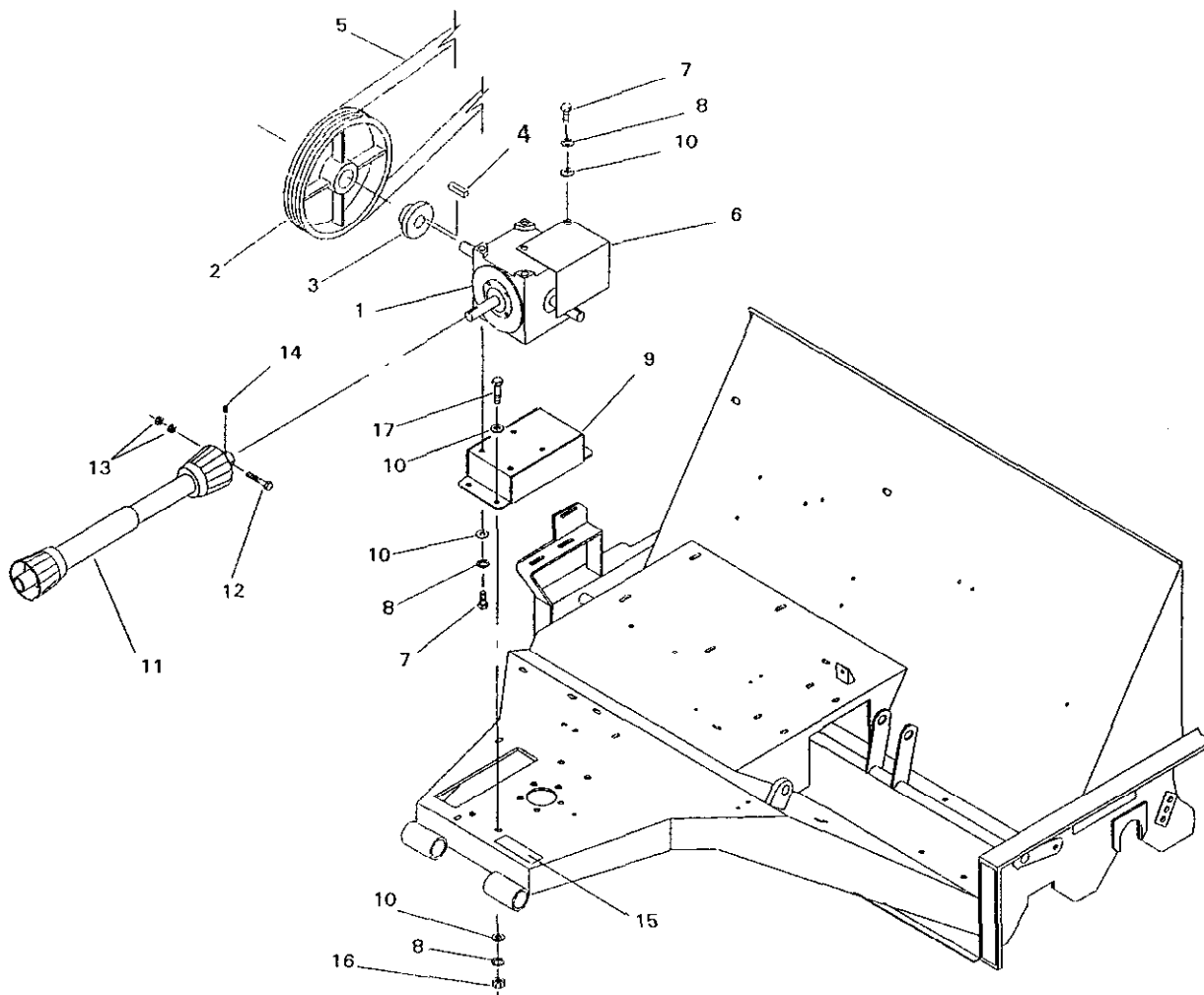
SKID ASSEMBLY

166HL-3

Ref. No.	Part No.	Description	No. Used
1	66-005-0381	Skid Assembly	2
2	327-16	Capscrew - Hex Hd.	4
3	66-004-2161	Spacer	4
4	3296-53	Lock Nut	4
5	66-005-0361	Rear Outrigger-L.H.	1

Ref. No.	Part No.	Description	No. Used
*	66-005-4221	Rear Outrigger-R.H.	1
6	01-182-1256	Capscrew - Hex Hd.	2
7	3217-12	Hex Nut	6
8	32121-10	Roll Pin	2
9	01-215-0050	Grease Fitting	4

* Not Illustrated

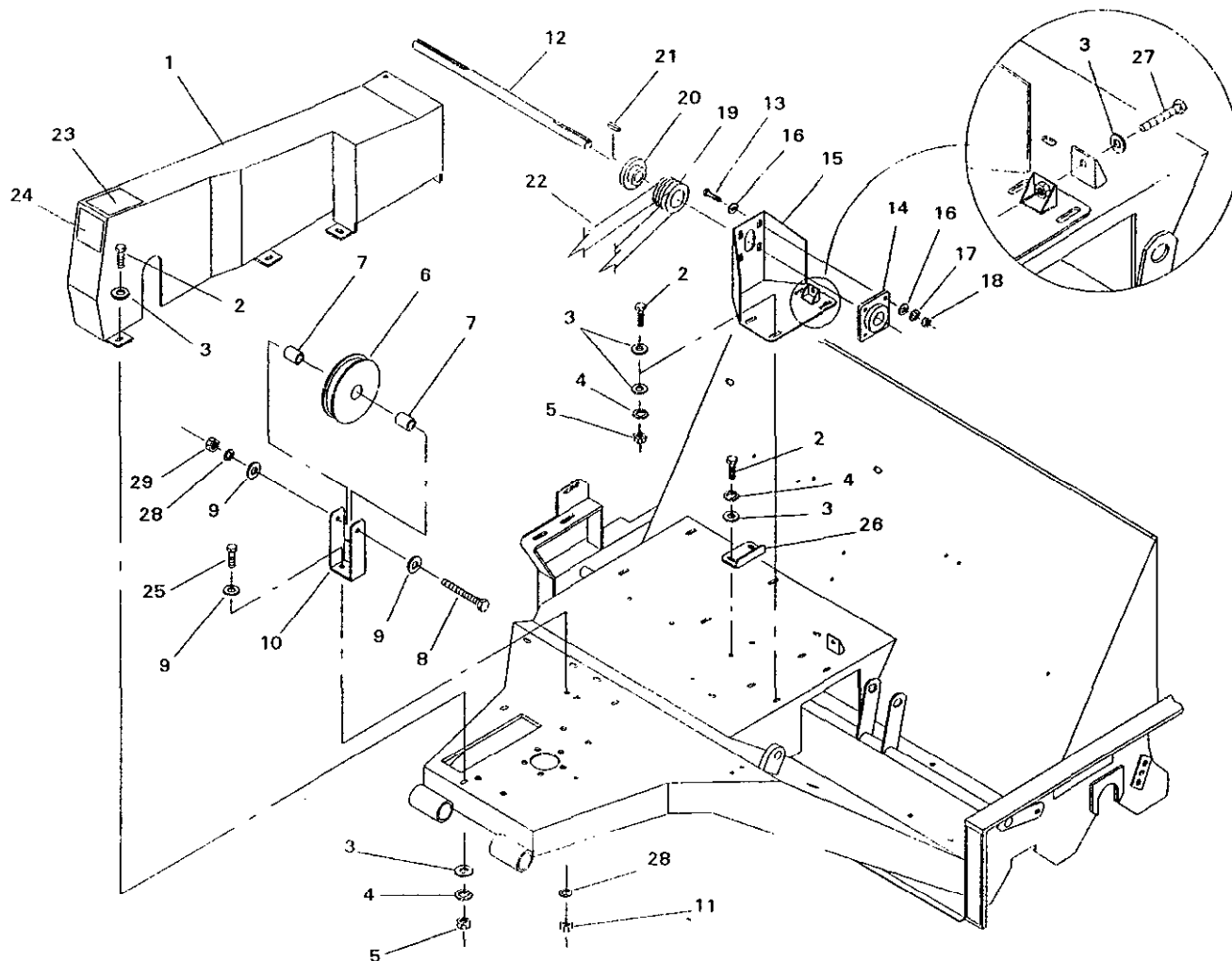


DRIVE SYSTEM

1650-3

Ref. No.	Part No.	Description	No. Used
1	01-267-0050	Gearbox	1
2	01-260-1530	Sheave	1
3	01-260-0290	Bushing	1
4	66-004-3211	Key	1
5	01-264-0620	Belt	1
6	66-004-5341	Shaft Cover	1
7	325-5	Capscrew - Hex Hd.	6
8	3253-7	Lock Washer	10
9	66-005-4941	Gearbox Mount	1

Ref. No.	Part No.	Description	No. Used
10	3256-6	Flat Washer	14
11	01-282-0890	PTO Assembly	1
12	322-13	Capscrew - Hex Hd.	1
13	3217-6	Hex Nut	2
14	01-163-0030	Set Screw	1
15	01-506-0130	Decal - Danger	1
16	3217-9	Hex Nut	4
17	325-6	Capscrew - Hex Hd.	4

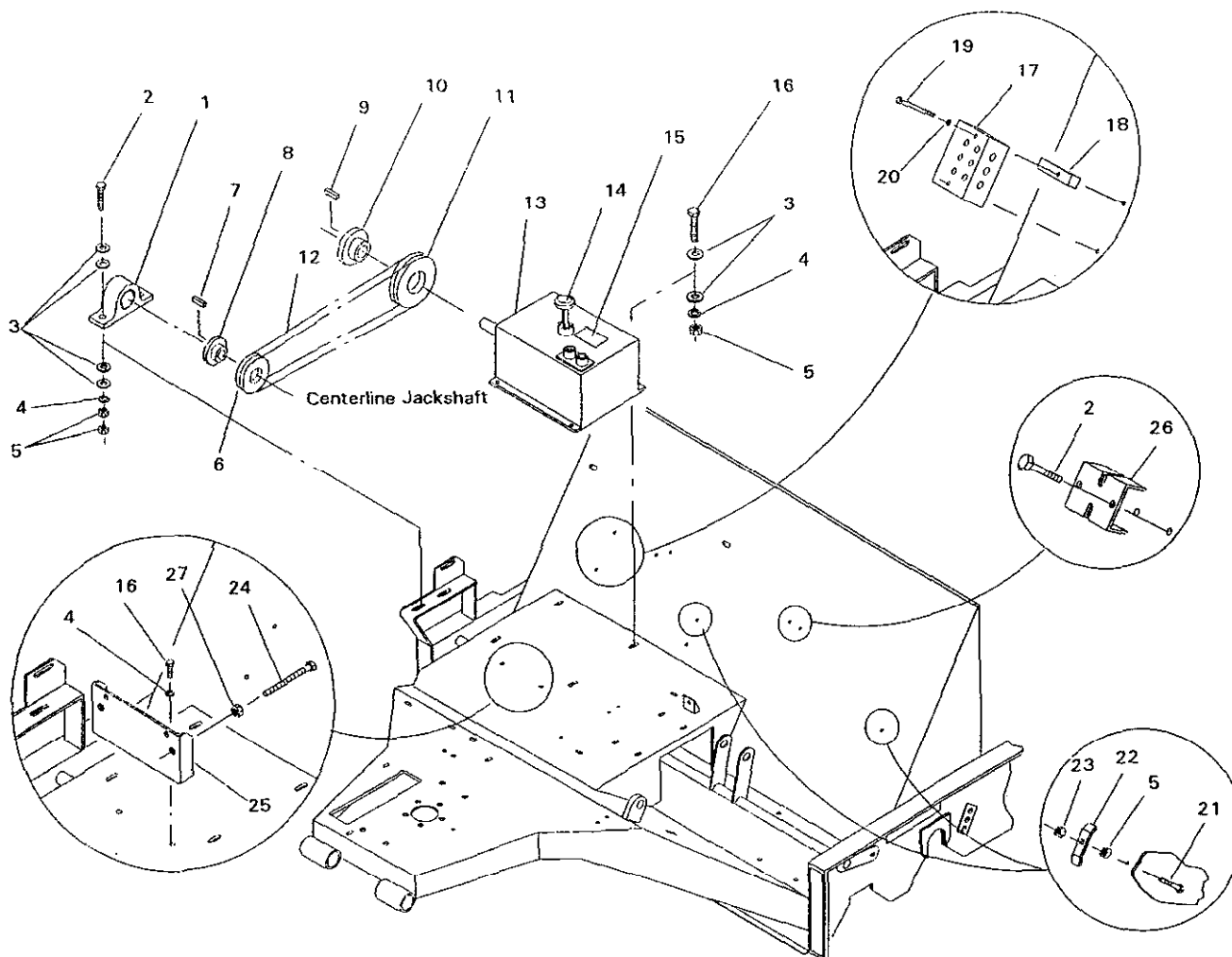


DRIVE SYSTEM (Continued)

1650-4

Ref. No.	Part No.	Description	No. Used
1	66-005-4892	Guard	1
2	323-7	Capscrew - Hex Hd.	11
3	3256-4	Flat Washer	21
4	3253-5	Lock Washer	11
5	3217-7	Hex Nut	9
6	01-268-0080	Idler Pulley	1
7	66-004-4771	Idler Spacer	2
8	325-17	Capscrew - Hex Hd.	1
9	3256-26	"SAE" Flat Washer	4
10	66-005-4921	Pulley Bracket	1
11	3217-9	Hex Nut	2
12	66-004-4761	Jackshaft	1
13	324-6	Capscrew - Hex Hd.	4
14	01-100-0190	Bearing	1
15	66-005-4931	Jackshaft Bearing Mount	1

Ref. No.	Part No.	Description	No. Used
16	3256-5	Flat Washer	8
17	3253-6	Lock Washer	4
18	3217-8	Hex Nut	4
19	01-260-1050	Sheave	1
20	01-260-0280	Bushing	1
21	82-004-1171	Key	1
22	01-264-0620	Belt	1
23	01-506-0160	Decal - Important	1
24	01-506-0040	Decal - Danger	1
25	325-5	Capscrew - Hex Hd.	2
26	66-004-4821	Guide Plate	1
27	01-182-0632	Capscrew - Hex Hd.	1
28	3253-7	Lock Washer	3
29	3218-5	Jam Nut	1



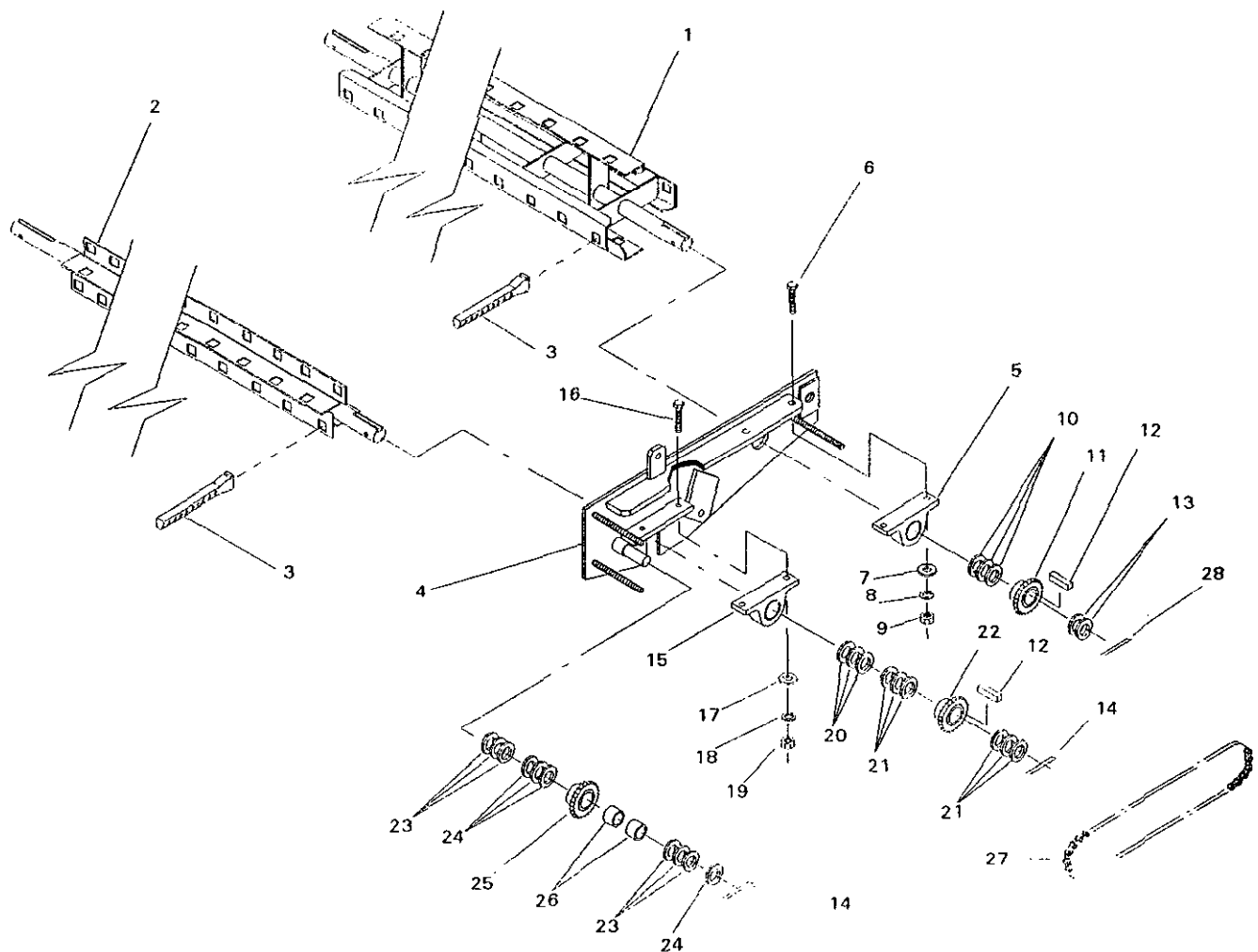
PUMP MOUNTING

1650-5

Ref. No.	Part No.	Description	No. Used
1	01-113-0010	Bearing	1
2	323-10	Capscrew - Hex Hd.	4
3	3256-4	Flat Washer	16
4	3253-5	Lock Washer	6
5	3217-7	Hex Nut	10
6	01-260-0040	Sheave	1
7	48-004-1931	Key	1
8	01-260-0190	Bushing	1
9	84-004-2851	Key	1
10	01-260-0230	Bushing	1
11	01-260-0020	Sheave	1
12	01-264-0190	Belt	1
13	01-305-0010	Pump	1
*	01-305-0620	Seal Kit	1

Ref. No.	Part No.	Description	No. Used
14	41-002-0061	Dipstick	1
15	52-9640	Decal - Hydraulic Oil	1
16	323-6	Capscrew - Hex Hd.	4
17	01-308-1570	Manifold Assembly	1
18	66-004-4531	Valve Spacer	2
19	321-20	Capscrew - Hex Hd.	2
20	3253-3	Lock Washer	2
21	323-8	Capscrew - Hex Hd.	2
22	48-004-3431	Hose Bracket	2
23	3296-39	Lock Nut	2
24	01-182-0840	Capscrew - Hex Hd.	2
25	66-005-5431	Battery Bracket	1
26	66-004-4841	Valve Clamp	1
27	3217-9	Hex Nut	2

* Not Illustrated



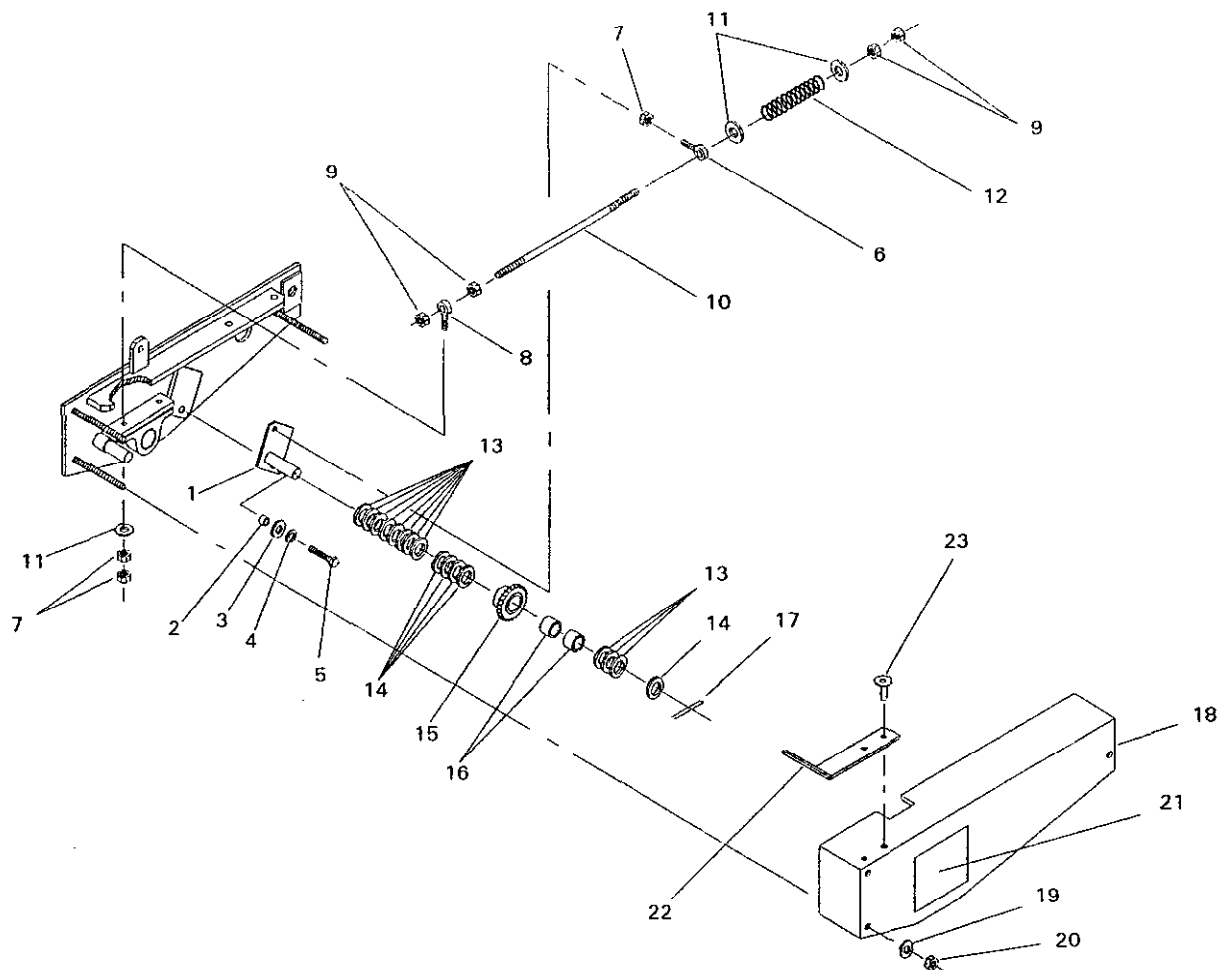
SWEEPER REEL & TIMING CHAIN ASSEMBLY

1650-6

Ref. No.	Part No.	Description	No. Used
1	66-005-0242	Rear Reel Assembly	1
2	66-005-0231	Front Reel Assembly	1
3	01-279-0010	Rubber Fingers	140
4	48-005-0182	Reel Plate Assembly- L.H.	1
5	01-113-0020	Bearing	1
6	325-7	Capscrew - Hex Hd.	2
7	3256-26	"SAE" Flat Washer	2
8	3253-7	Lock Washer	2
9	3217-9	Hex Nut	2
10	01-168-2014	Machinery Bushing	3(var)
11	01-262-0520	Sprocket	1
12	48-004-1931	Key	2
13	01-168-2010	Machinery Bushing	2
14	3272-23	Cotter Pin	2
15	01-113-0010	Bearing	1
16	323-8	Capscrew - Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
17	3256-24	"SAE" Flat Washer	1
18	3253-5	Lock Washer	1
19	3217-7	Hex Nut	1
20	01-168-1610	Machinery Bushing	3(var)
21	01-168-1614	Machinery Bushing	6(var)
22	01-262-0530	Sprocket	1
23	01-168-1410	Machinery Bushing	6(var)
24	01-168-1414	Machinery Bushing	4(var)
25	01-262-0610	Sprocket	1
26	01-105-0520	Needle Bearing	2
27	54-004-0941	Reel Chain	1
*	01-251-0020	Offset Link	1
*	48-002-5441	Idler Sprocket Assembly (Incl. Ref. #25, 26)	1
28	3272-25	Cotter Pin	1

* Not Illustrated



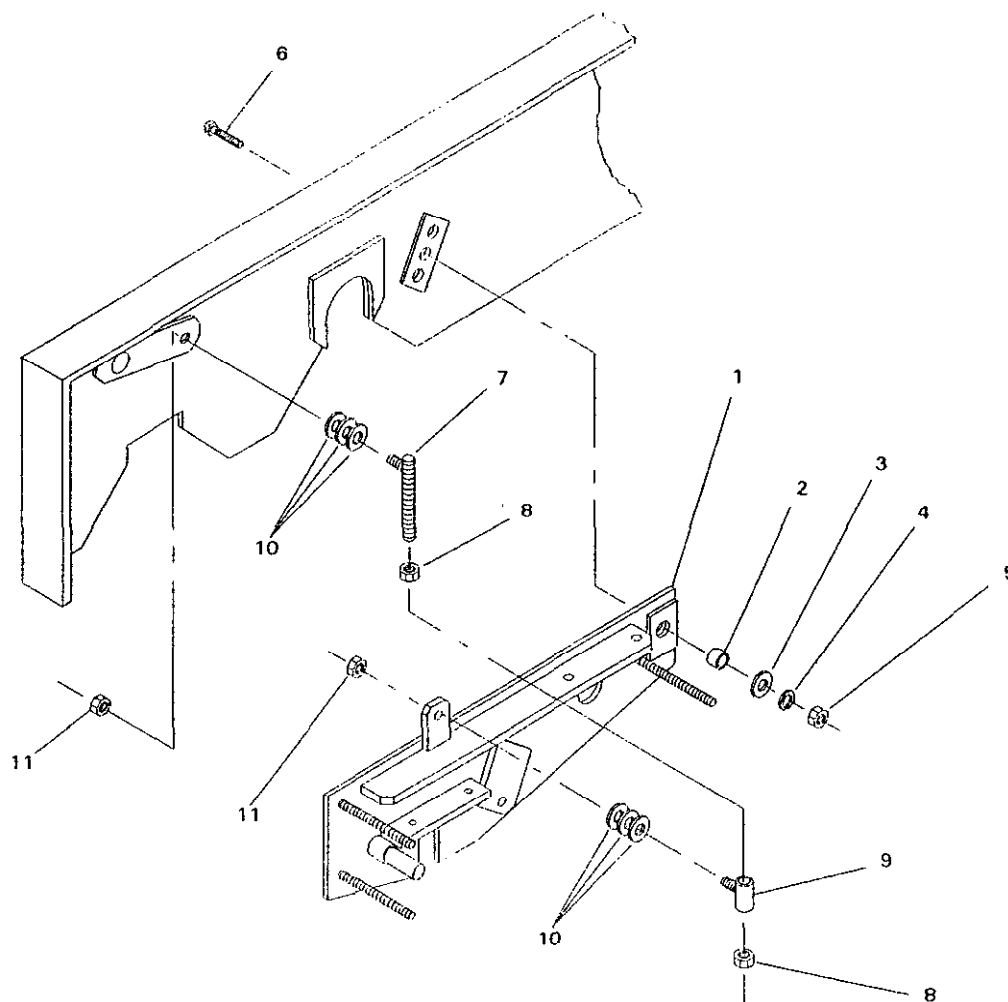
CHAIN IDLER & GUARD ASSEMBLY

1650-7

Ref. No.	Part No.	Description	No. Used
1	48-005-0191	Idler Shaft Assembly	1
2	48-004-3881	Spacer	1
3	3256-26	"SAE" Flat Washer	1
4	3253-7	Lock Washer	1
5	325-5	Capscrew - Hex Hd.	1
6	02-250-0020	Rod End Bearing	1
7	3220-3	Jam Nut	3
8	01-250-0020	Rod End Bearing	1
9	3217-7	Hex Nut	4
10	48-004-3891	Idler Spring Rod	1
11	3256-4	Flat Washer	3
12	01-261-0300	Spring	1
13	01-168-1410	Machinery Bushing	11(var)

Ref. No.	Part No.	Description	No. Used
14	01-168-1414	Machinery Bushing	5(var)
15	01-262-0610	Sprocket	1
16	01-105-0520	Needle Bearing	2
17	3272-23	Cotter Pin	1
18	48-005-0162	Idler Cover	1
19	3256-5	Flat Washer	3
20	3296-48	Lock Nut	3
21	01-506-0050	Decal - Danger	1
*	48-002-5441	Idler Sprocket Assembly (Incl. Ref. # 15, 16)	1
22	66-005-0371	Reel Height Indicator	1
23	01-161-0030	Pop Rivet	2

* Not Illustrated

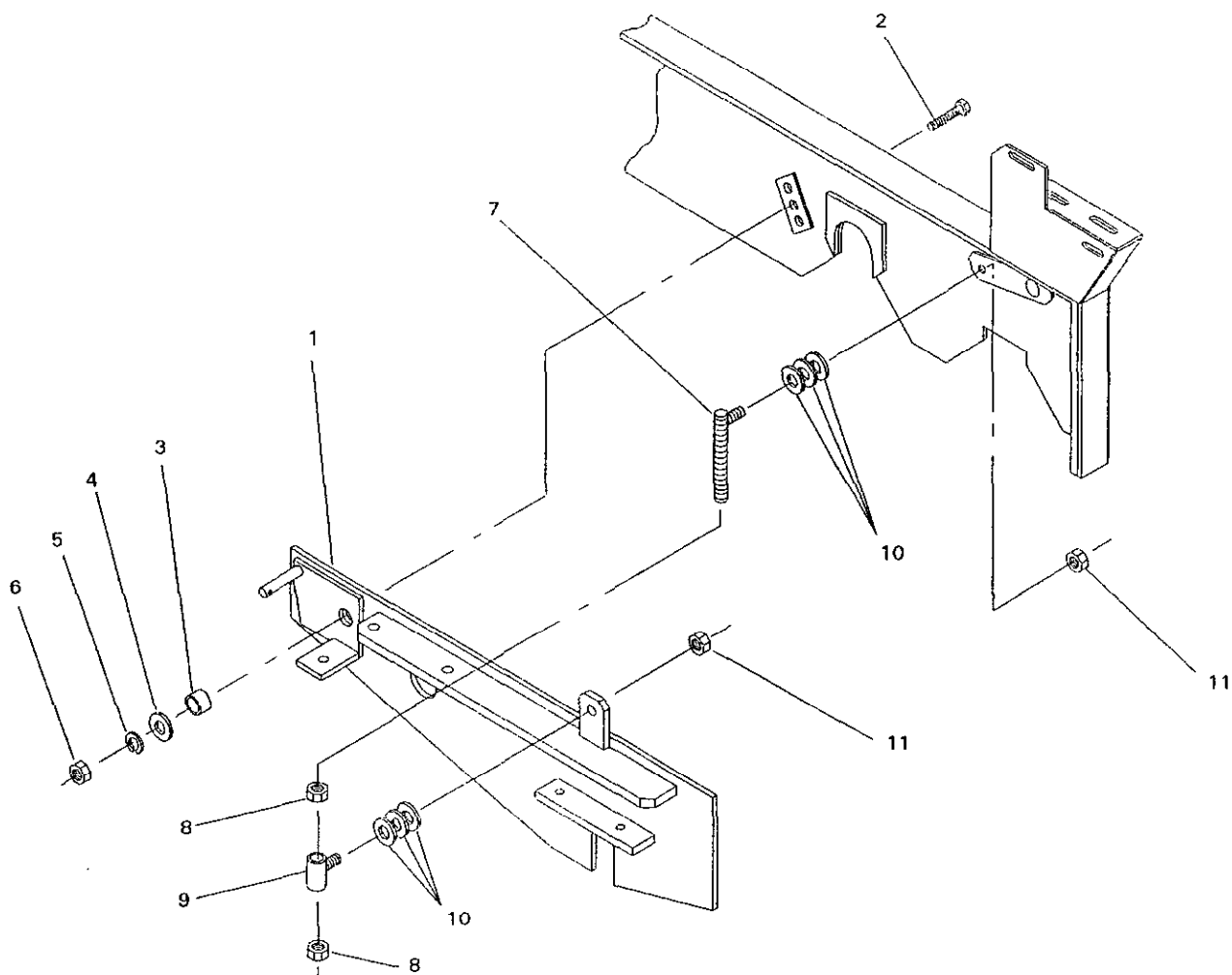


REEL LIFT ASSEMBLY - L.H.

1650-8

Ref. No.	Part No.	Description	No. Used
1	48-005-0182	Reel Plate Assembly-L.H.	1
2	48-004-5841	Reel Plate Spacer	1
3	3256-27	"SAE" Flat Washer	1
4	3253-8	Lock Washer	1
5	3218-6	Jam Nut	1
6	327-6	Capscrew - Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
7	66-005-0201	Reel Lift Rod Assembly	1
8	3217-11	Hex Nut	2
9	48-005-0591	Reel Lift Tube Assembly	1
10	3256-6	Flat Washer	6
11	3296-25	Lock Nut	2

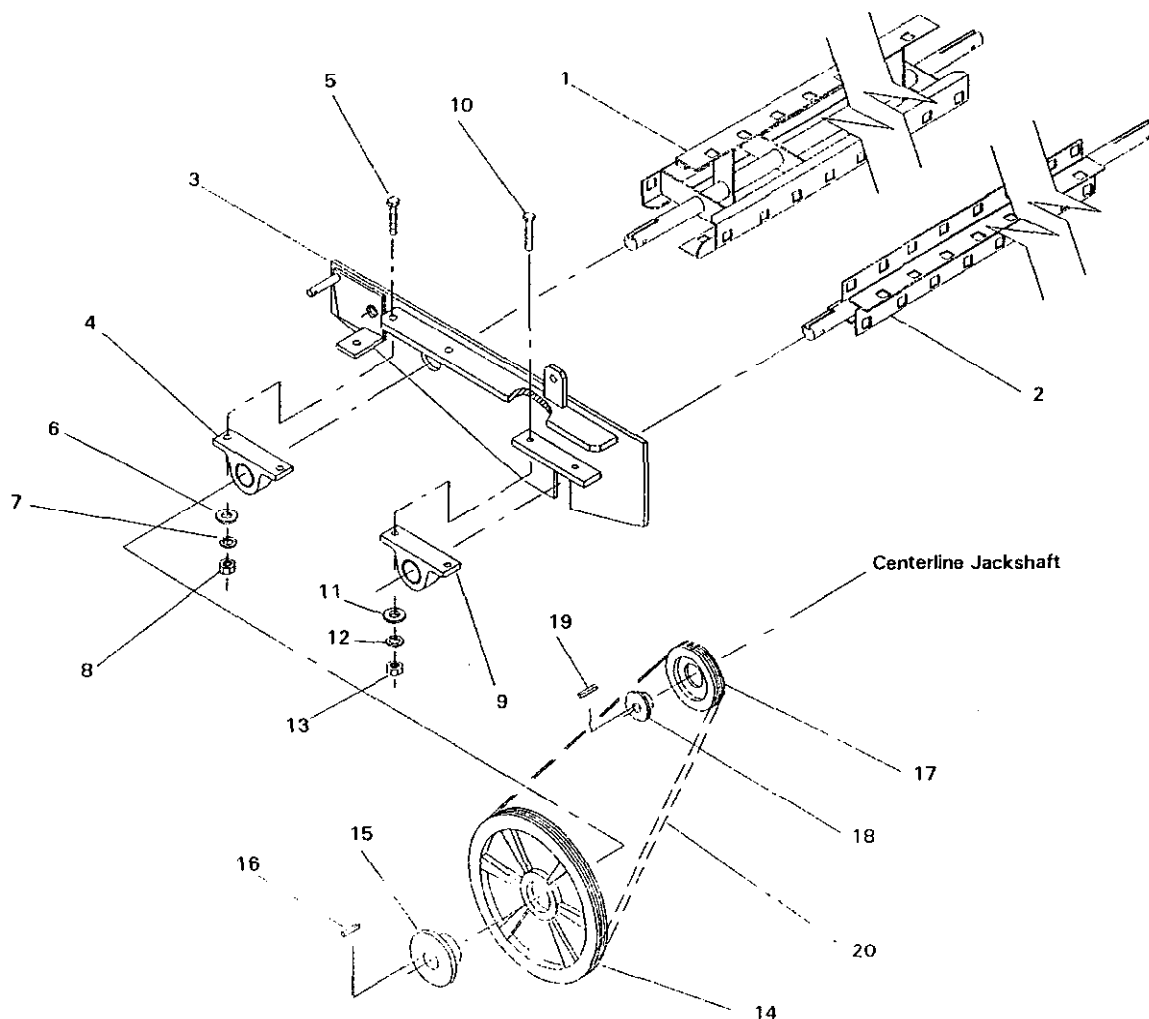


REEL LIFT ASSEMBLY - R.H.

1650-9

Ref. No.	Part No.	Description	No. Used
1	48-005-0172	Reel Plate Assembly-R.H.	1
2	327-6	Capscrew - Hex Hd.	1
3	48-004-5841	Reel Plate Spacer	1
4	3256-27	"SAE" Flat Washer	1
5	3253-8	Lock Washer	1
6	3218-6	Jam Nut	1

Ref. No.	Part No.	Description	No. Used
7	66-005-0201	Reel Lift Rod Assembly	1
8	3217-11	Hex Nut	2
9	48-005-0591	Reel Lift Tube Assembly	1
10	3256-6	Flat Washer	6
11	3296-25	Lock Nut	2

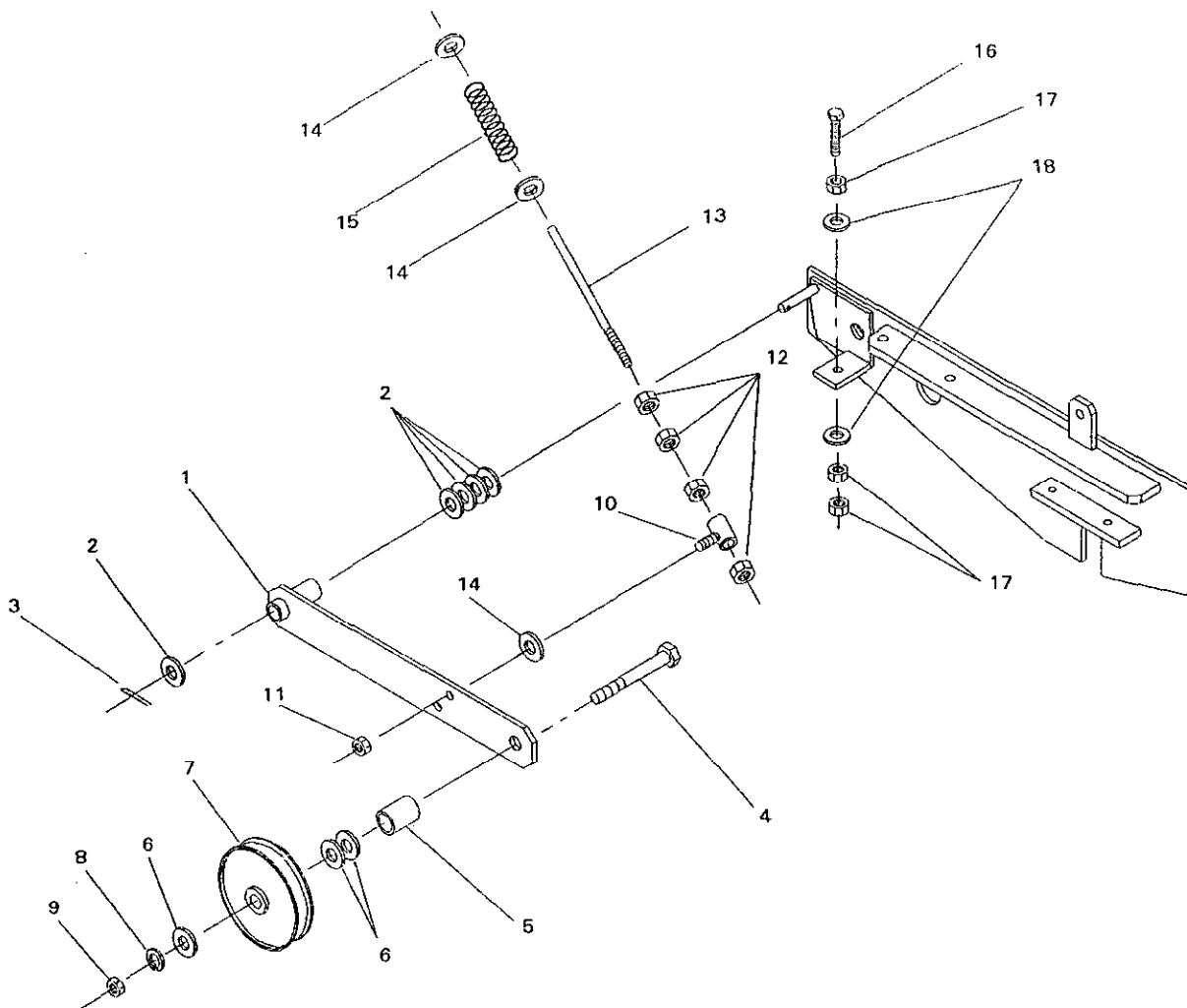


BELT DRIVE ASSEMBLY

1650-10

Ref. No.	Part No.	Description	No. Used
1	66-005-0242	Rear Reel Assembly	1
2	66-005-0231	Front Reel Assembly	1
3	48-005-0172	Reel Plate Assembly-R.H.	1
4	01-113-0020	Bearing	1
5	325-7	Capscrew - Hex Hd.	2
6	3256-26	"SAE" Flat Washer	2
7	3253-7	Lock Washer	2
8	3217-9	Hex Nut	2
9	01-113-0010	Bearing	1
10	323-8	Capscrew - Hex Hd.	2

Ref. No.	Part No.	Description	No. Used
11	3256-24	"SAE" Flat Washer	2
12	3253-5	Lock Washer	2
13	3217-7	Hex Nut	2
14	01-260-0010	Sheave	1
15	01-260-0290	Bushing	1
16	66-004-3211	Key	1
17	01-260-0030	Sheave	1
18	01-260-0280	Bushing	1
19	82-004-1171	Key	1
20	01-264-0010	Belt	1

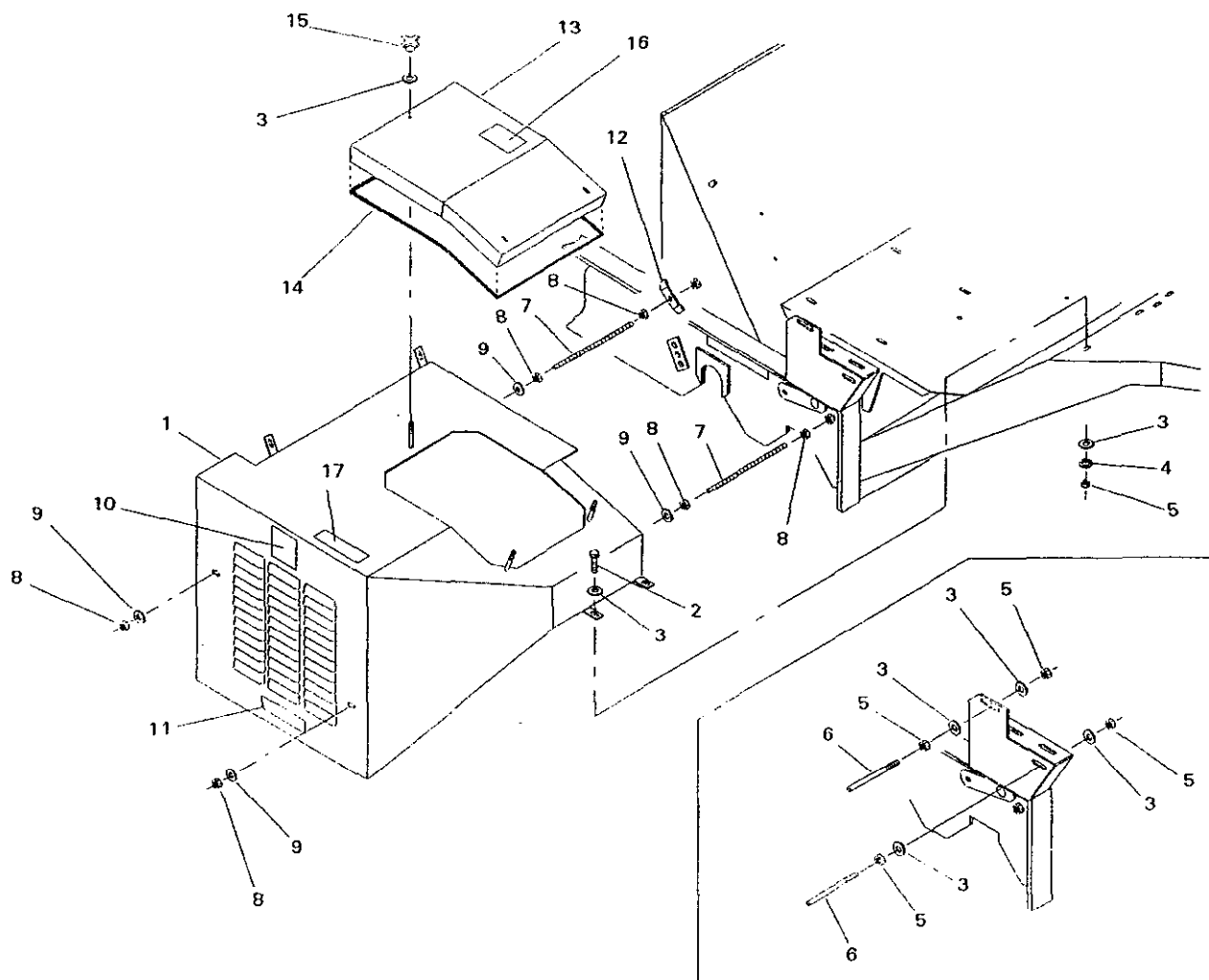


BELT IDLER ASSEMBLY

1650-11

Ref. No.	Part No.	Description	No. Used
1	48-005-0611	Idler Arm	1
2	01-168-1014	Machinery Bushing	5(var)
3	3272-21	Cotter Pin	1
4	327-14	Capscrew - Hex Hd.	1
5	48-004-3471	Spacer	1
6	3256-7	Flat Washer	3(var)
7	01-268-0010	Pulley	1
8	3253-8	Lock Washer	1
9	3217-11	Hex Nut	1

Ref. No.	Part No.	Description	No. Used
10	48-005-0121	Spring Tension Adjustment	1
11	3296-39	Lock Nut	1
12	3217-7	Hex Nut	4
13	48-004-1711	Idler Spring Rod	1
14	3256-4	Flat Washer	3
15	01-261-0300	Spring	1
16	01-182-0832	Capscrew - Hex Hd.	1
17	3217-9	Hex Nut	3
18	3256-6	Flat Washer	2

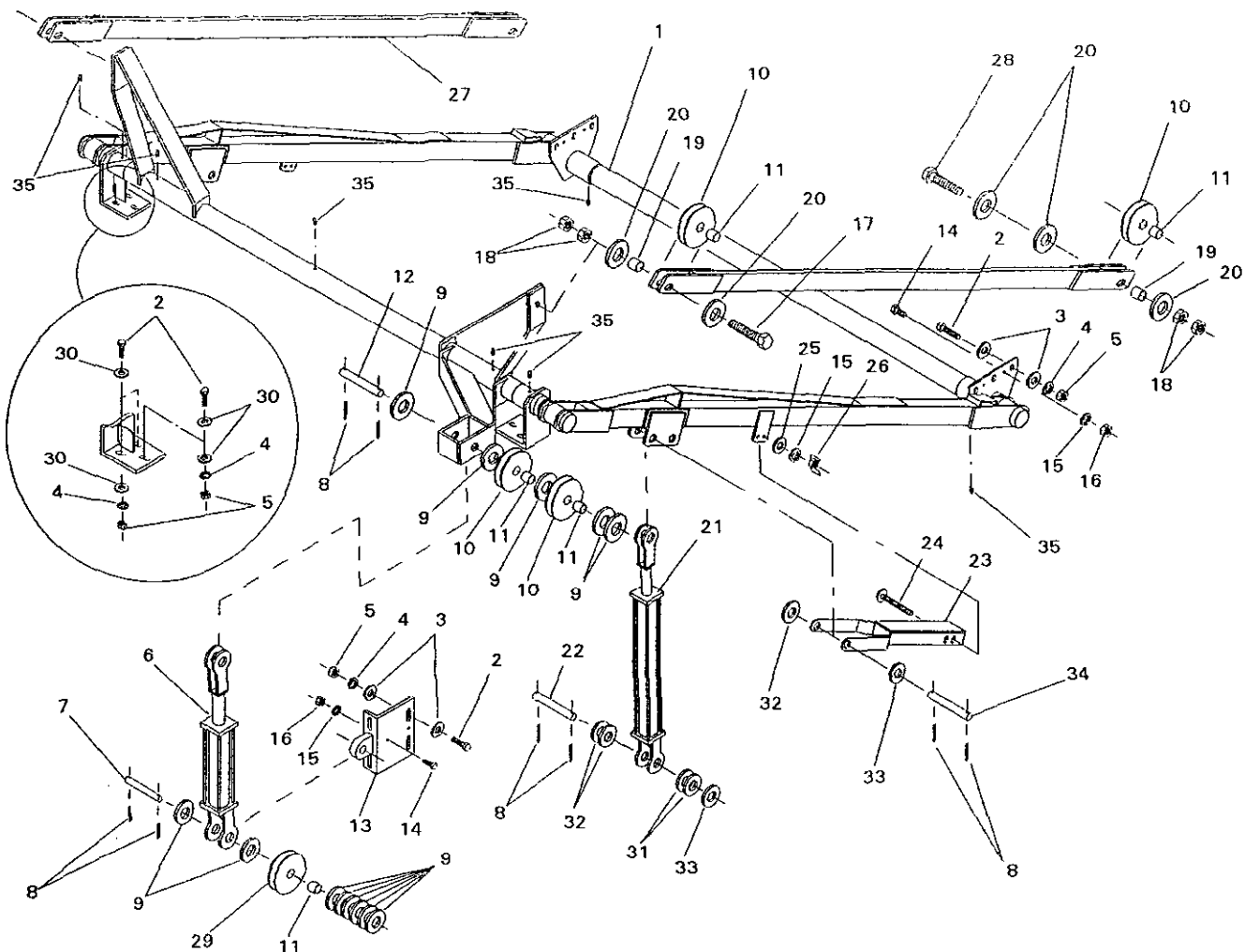


BELT GUARD & BELT SLIP PINS

1660-13

Ref. No.	Part No.	Description	No. Used
1	66-005-4952	Belt Guard	1
2	323-6	Capscrew - Hex Hd.	4
3	3256-4	Flat Washer	15
4	3253-5	Lock Washer	4
5	3217-7	Hex Nut	8
6	48-004-1211	Belt Slip Pin	2
7	01-650-0400	All Thread	2
8	3217-8	Hex Nut	6
9	3256-5	Flat Washer	4

Ref. No.	Part No.	Description	No. Used
10	01-506-0040	Decal - Danger	1
11	01-506-0080	Decal - Danger	1
12	48-004-1861	Hose Bracket	1
13	66-005-5421	Access Cover	1
14	66-004-4571	Seal - Guard	1
15	01-257-0010	Knob	3
16	66-6840	Decal - Warning	1
17	75-5190	Decal - No Riders	1



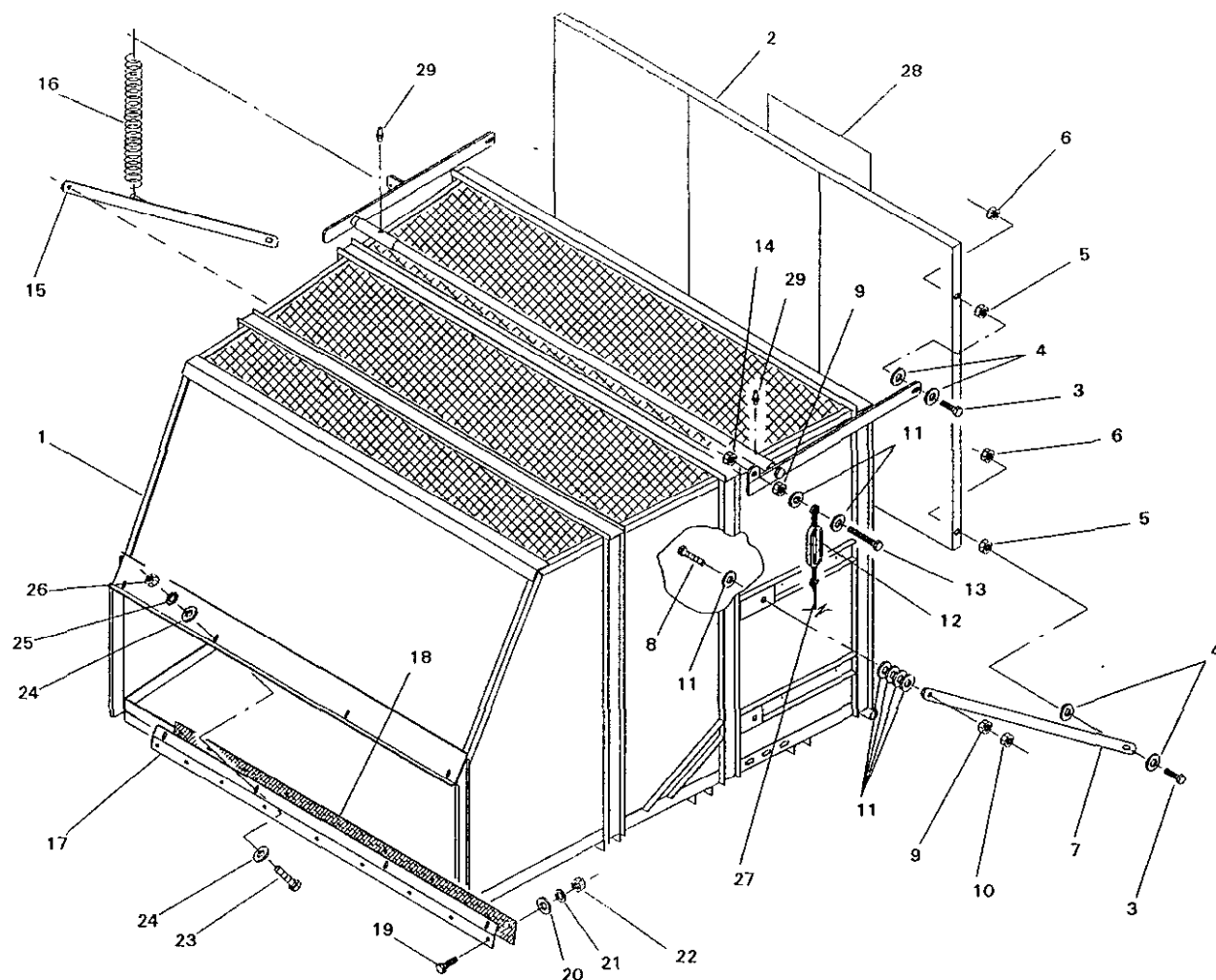
LIFT ARM ASSEMBLY

166HL-13

Ref. No.	Part No.	Description	No. Used
1	66-005-0192	Lift Arm Assembly	1
2	325-6	Capscrew - Hex Hd.	16
3	3256-6	Flat Washer	20
4	3253-7	Lock Washer	16
5	3217-9	Hex Nut	16
6	01-301-0550	Cylinder	1
*	01-301-0570	Seal Kit	1
7	66-004-4141	Cylinder Pin	1
8	3272-23	Cotter Pin	12
9	01-166-1600	Flat Washer	13(var)
10	01-268-0050	Cable Pulley	4
11	01-125-0030	Bronze Bushing	5
12	66-004-2181	Cylinder Pin	1
13	65-005-0281	Dump Cyl. Pivot Assembly	1
14	323-6	Capscrew - Hex Hd.	6
15	3253-5	Lock Washer	8
16	3217-7	Hex Nut	6
17	328-5	Capscrew - Hex Hd.	2
18	3218-7	Jam Nut	8

Ref. No.	Part No.	Description	No. Used
19	66-004-2141	Hopper Pivot Arm Bushing	4
20	01-166-1200	Flat Washer	10
21	01-301-0560	Cylinder	2
*	01-301-0570	Seal Kit	1
22	66-004-2171	Cylinder Pin	2
23	66-005-0271	Safety Stop	2
24	3231-10	Carriage Bolt	2
25	3256-4	Flat Washer	2
26	01-192-0070	Wing Nut	2
27	66-005-0251	Upper Arm Assembly	2
28	328-8	Capscrew - Hex Hd.	2
29	01-268-0040	Cable Pulley	1
30	3256-26	"SAE" Flat Washer	12
31	01-168-1610	Machinery Bushing	8(var)
32	01-168-1614	Machinery Bushing	8(var)
33	01-168-1618	Machinery Bushing	8(var)
34	66-004-3291	Cylinder Pin	2
35	01-215-0050	Grease Fitting	7

*Not Illustrated

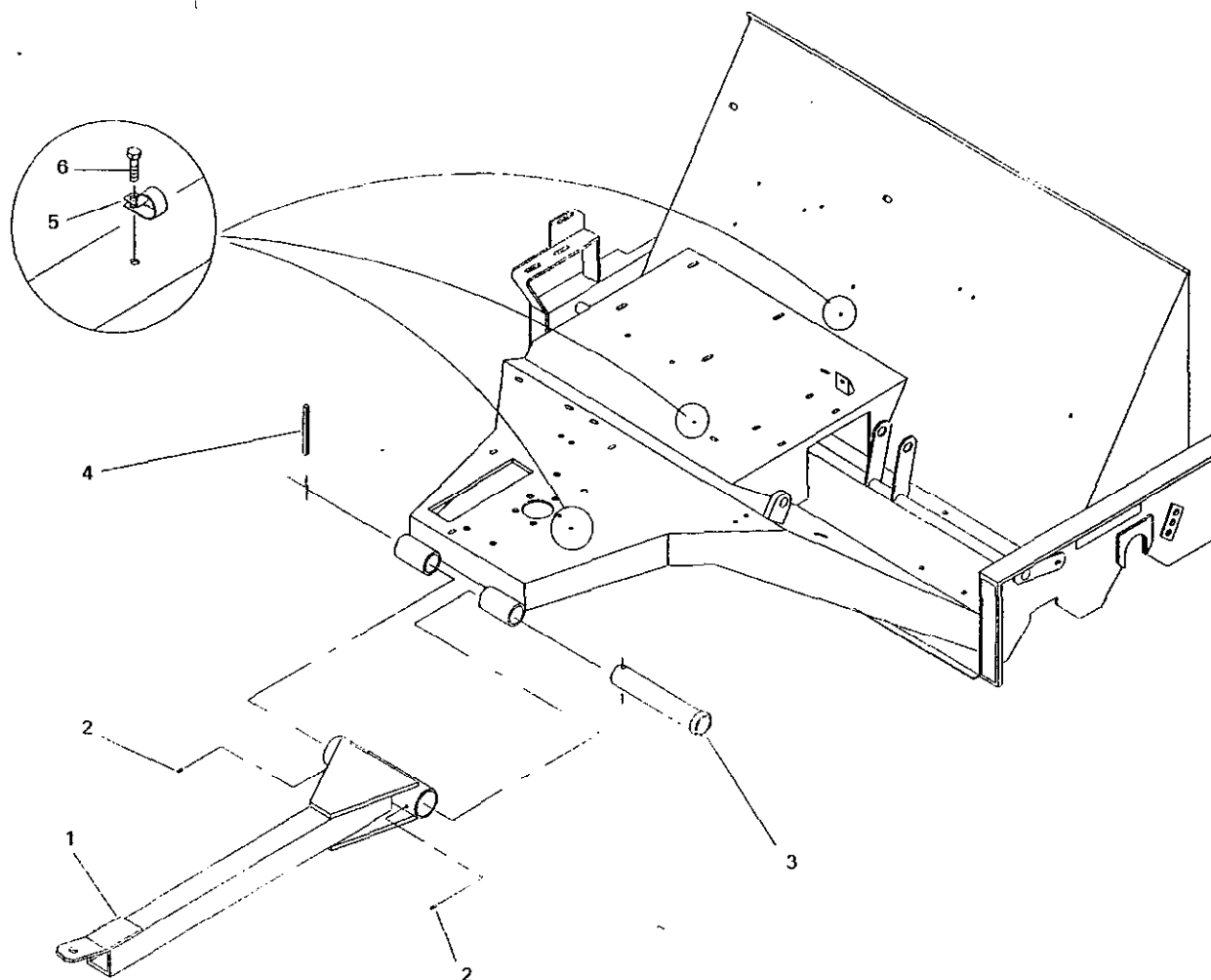


HOPPER ASSEMBLY

1650-14

Ref. No.	Part No.	Description	No. Used
1	66-002-0442	Hopper Assembly	1
2	66-002-0042	Hopper Door Assembly	1
3	325-7	Capscrew - Hex Hd.	4
4	3256-6	Flat Washer	8
5	3217-9	Hex Nut	5
6	3296-25	Lock Nut	4
7	66-004-1641	Lower Door Arm-L.H.	1
8	327-11	Capscrew - Hex Hd.	2
9	3217-11	Hex Nut	3
10	3218-6	Jam Nut	2
11	3256-7	Flat Washer	12
12	01-171-0010	Turnbuckle	1
13	327-7	Capscrew - Hex Hd.	1
14	3296-53	Lock Nut	1
15	66-005-0211	Lower Door Arm-R.H.	1

Ref. No.	Part No.	Description	No. Used
16	66-004-3571	Door Spring	1
17	66-004-4182	Front Rubber Mount	1
18	66-004-4191	Rubber Flap	1
19	322-5	Capscrew - Hex Hd.	9
20	3256-3	Flat Washer	9
21	3253-4	Lock Washer	9
22	3217-6	Hex Nut	9
23	323-6	Capscrew - Hex Hd.	4
24	3256-4	Flat Washer	8
25	3253-5	Lock Washer	4
26	3217-7	Hex Nut	4
27	66-004-3361	Rear Door Lift Cable	1
*	01-170-0010	Cable Clamp	4
28	67-7920	Decal - Toro	1
29	01-215-0050	Grease Fitting	2

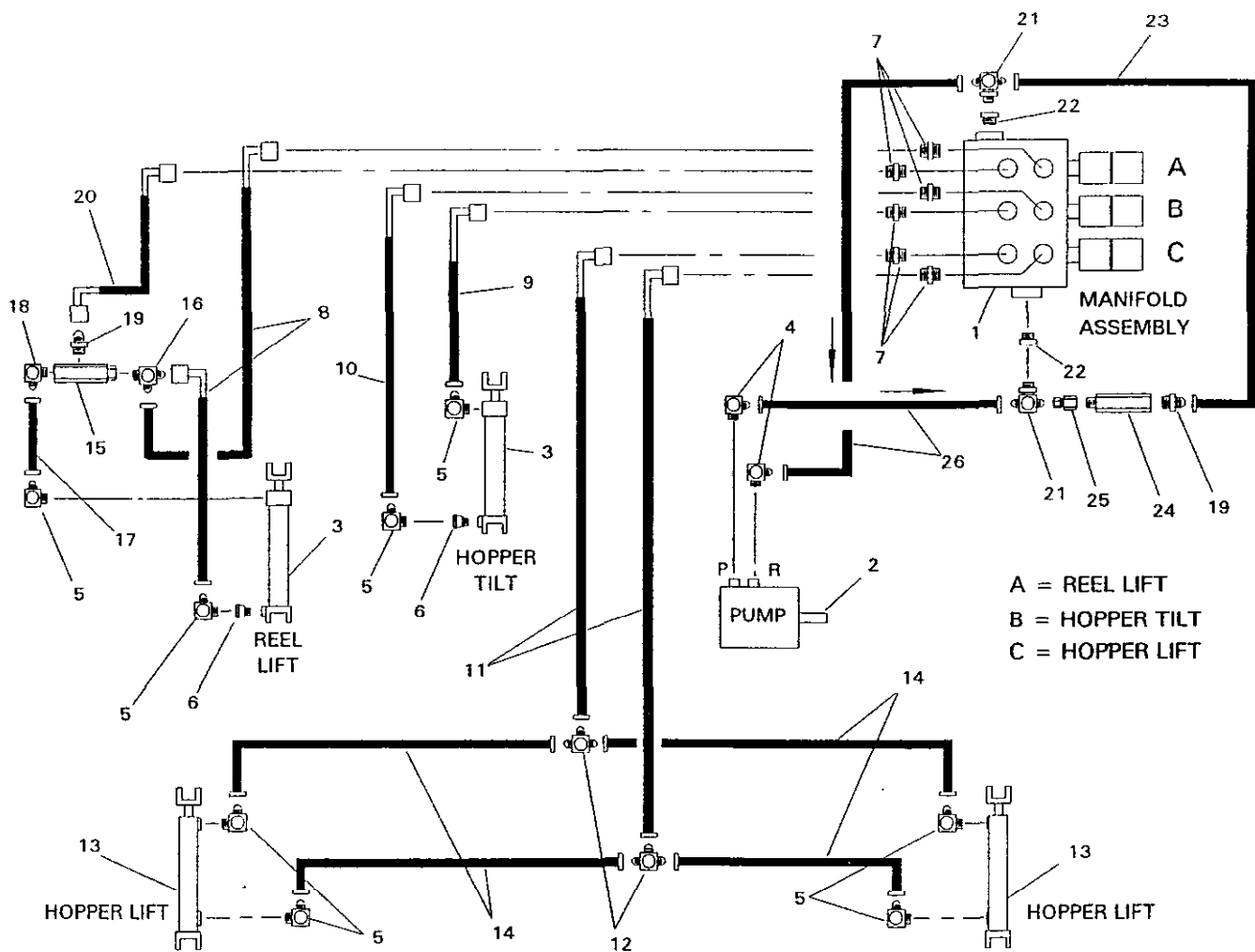


TONGUE ASSEMBLY

1680-15

Ref. No.	Part No.	Description	No. Used
1	66-005-4882	Tongue Assembly	1
2	01-215-0050	Grease Fitting	2
3	66-005-4981	Hinge Pin	1

Ref. No.	Part No.	Description	No. Used
4	32121-10	Roll Pin	1
5	01-202-0190	Clamp	3
6	321-6	Capscrew - Hex Hd.	3

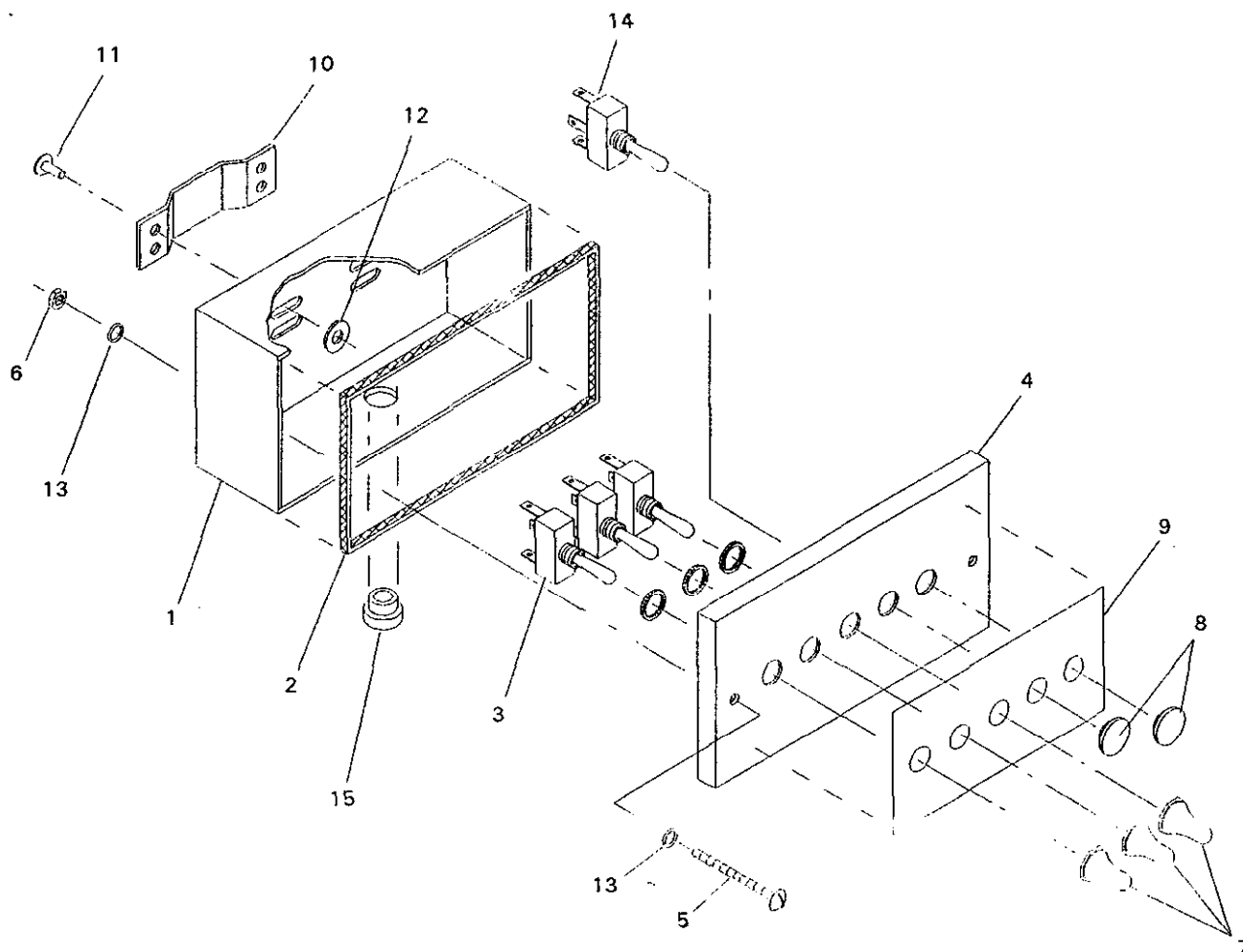


166HL-16

Ref. No.	Part No.	Description	No. Used
1	01-308-1570	Manifold Assembly	1
2	01-305-0010	Pump	1
*	01-305-0620	Seal Kit	1
3	01-301-0550	Cylinder	2
*	01-301-0570	Seal Kit	1
4	01-201-0030	Fitting	2
5	01-201-0190	Fitting	8
6	01-310-0010	Flow Restrictor	2
7	01-201-0780	Fitting	6
8	01-312-5760	Hose Assembly	2
9	01-312-5650	Hose Assembly	1
10	01-312-5640	Hose Assembly	1
11	01-312-5660	Hose Assembly	2
12	01-201-0140	Fitting	2
13	01-301-0560	Cylinder	2
*	01-301-0570	Seal Kit	1

Ref. No.	Part No.	Description	No. Used
14	01-312-5520	Hose Assembly	4
15	01-308-1680	Check Valve	1
16	01-201-4580	Fitting	1
17	01-312-2280	Hose Assembly	1
18	01-201-1330	Fitting	1
19	01-201-1790	Fitting	2
20	01-312-5750	Hose Assembly	1
21	01-201-4600	Fitting	2
22	01-201-4590	Fitting	2
23	01-312-2570	Hose Assembly	1
24	01-308-1690	Relief Valve	1
25	01-201-4610	Fitting	1
26	01-312-5530	Hose Assembly	2

* Not Illustrated



CONTROL BOX

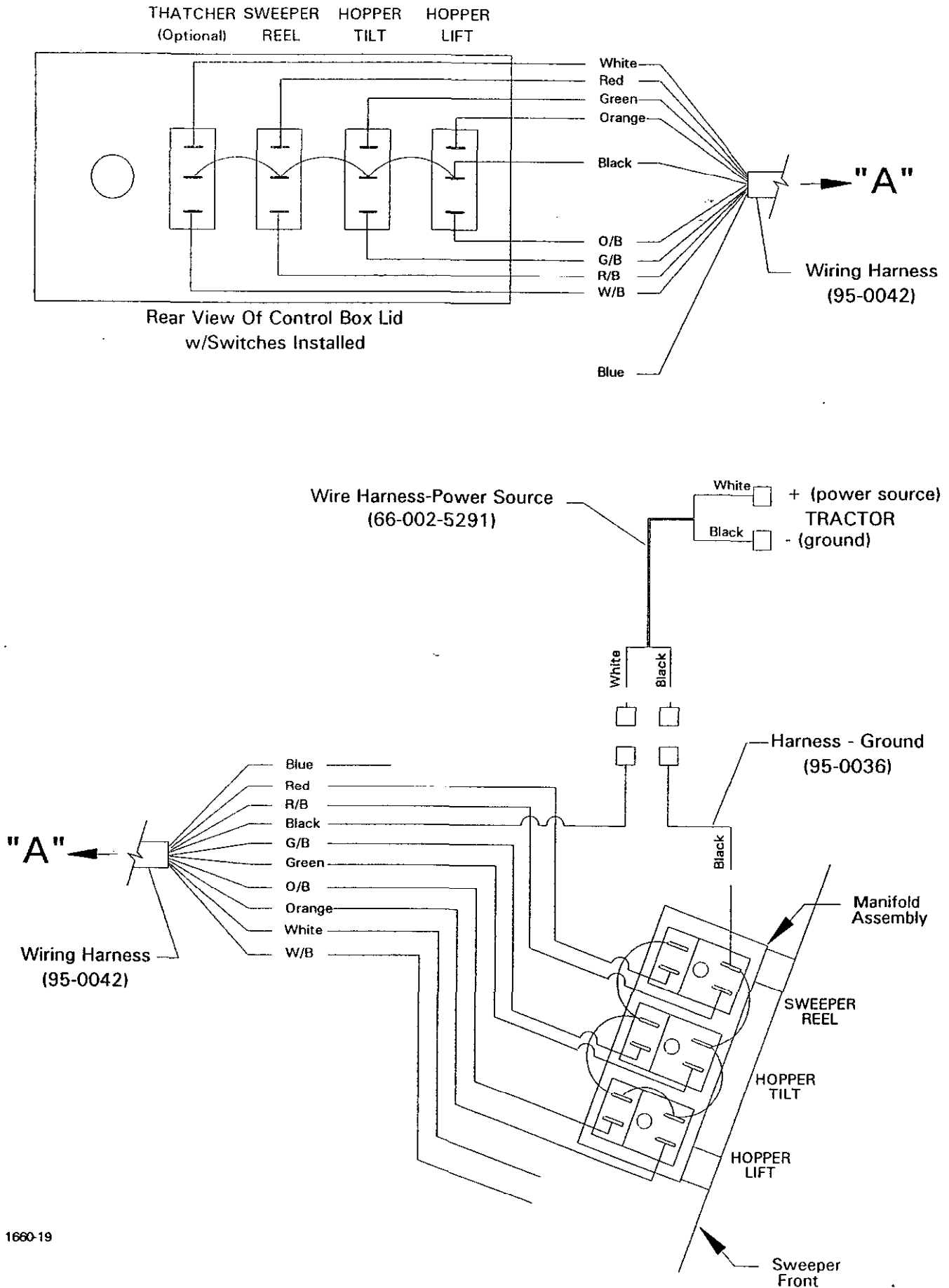
1660-18

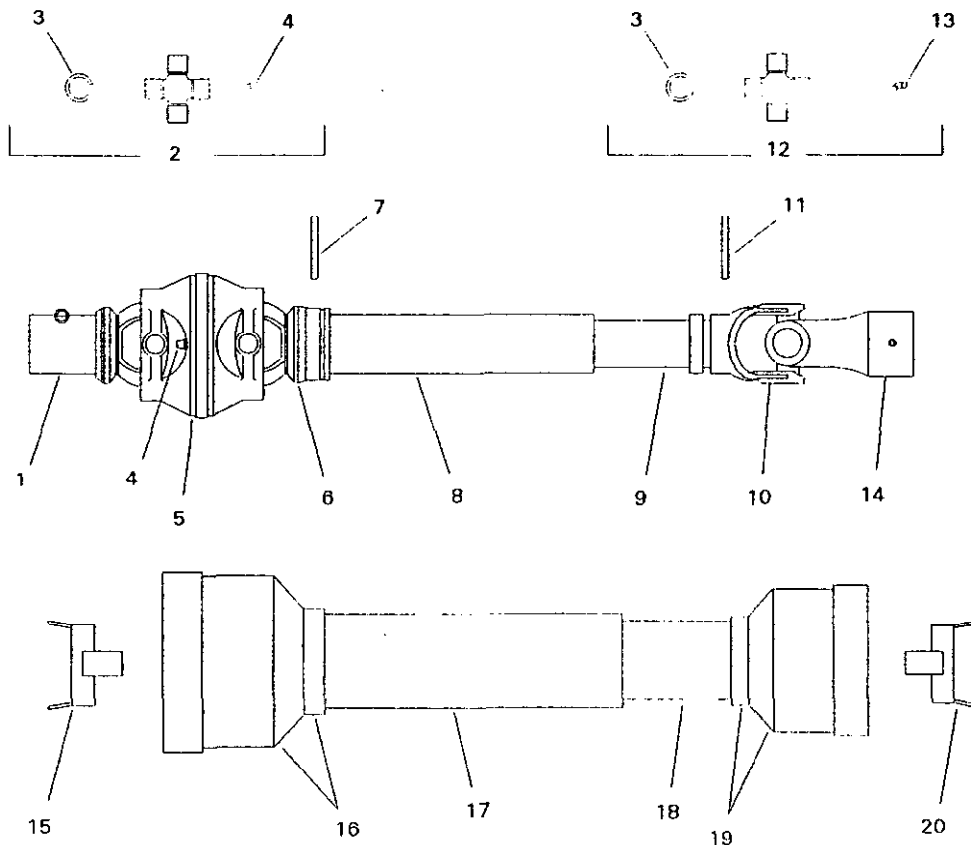
Ref. No.	Part No.	Description	No. Used
1	66-005-4551	Control Box	1
2	66-004-4591	Seal - Control Box	1
3	01-603-1330	Switch	3
4	66-004-5351	Control Box Lid	1
5	01-158-2210	Machine Screw - Slotted RH	2
6	01-192-0640	Hex Nut	2
7	01-603-0760	Rubber Boot	3
8	01-127-0310	Rubber Plug	2
9	01-506-1260	Decal - Control Box	1

Ref. No.	Part No.	Description	No. Used
10	66-004-5371	Hanger Sleeve	1
11	01-161-0060	Pop Rivet	4
12	3256-51	Flat Washer	4
13	01-169-0150	Sealing Washer	4
14	01-603-0920	Switch - Thatcher (optional)	1
15	01-612-0620	Strain Relief	1
*	95-0042	Wiring Harness	1
*	66-002-5291	Wire Harness-Power Source	1

* Not Illustrated

CONTROL BOX WIRING DIAGRAM



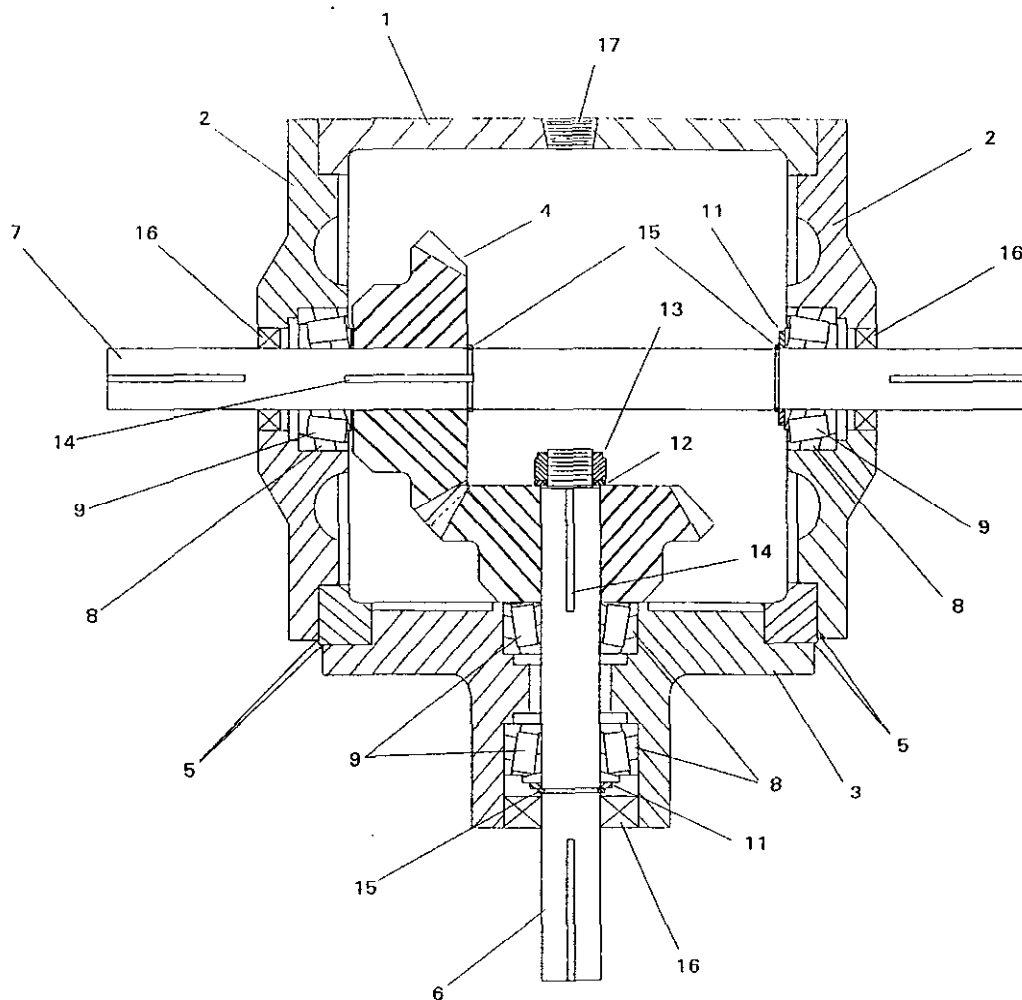


PTO ASSEMBLY - NO. 01-282-0890

PTO-

Ref. No.	Part No.	Description	No. Used
1	01-282-1080	Yoke w/Bridge	1
2	01-282-1090	Cross Journal Assembly	2
3	01-282-1100	Snap Ring	12
4	01-282-1110	Grease Fitting	5
5	01-282-1120	Central Body	1
6	01-282-1130	Yoke w/Bridge	1
7	01-282-1140	Flexible Pin	1
8	01-282-1150	Cardan Tube	1
9	01-282-1160	Cardan Tube Cm.	1
10	01-282-1180	Inner Tube Yoke	1

Ref. No.	Part No.	Description	No. Used
11	01-282-1170	Flexible Pin	1
12	01-282-1190	Cross Journal Assembly	1
13	01-282-0320	Grease Fitting	1
14	01-282-1200	Yoke	1
15	01-282-1210	Outer Bearing	1
16	01-282-1220	Outer Cone	1
17	01-282-1230	Cm. Safety Tube	1
18	01-282-1240	Cm. Safety Tube	1
19	01-282-1250	Inner Cone	1
20	01-282-1260	Inner Bearing	1



GEARBOX ASSEMBLY - NO. 01-267-0050

GB-0050

Ref. No.	Part No.	Description	No. Used
1	01-267-0200	Housing	1
2	01-267-0190	Cap - Open	2
3	01-267-0340	Housing - Pinion	1
4	01-267-0160	Gear - Bevel	2
5	01-267-0350	Gasket	15
6	01-267-0140	Pinion Shaft	1
7	01-267-0150	Cross Shaft	1
8	01-103-0160	Bearing - Cup	4
9	01-102-0150	Bearing - Cone	4

Ref. No.	Part No.	Description	No. Used
10	323-6	Capscrew - Hex Hd.	12
11	01-267-0360	Spacer	2
12	01-167-1210	Washer	1
13	01-192-0230	Nut - Self Locking	1
14	01-267-0370	Key	2
15	01-267-0380	Retaining Ring	3
16	01-267-0170	Seal Kit	1
17	01-451-0010	Pipe Plug	2

PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
01-100-0190	Bearing	5	14	1	01-202-0190	Clamp	16	5	3
01-102-0050	Inner Bearing	2	15	1	01-215-0050	Grease Fitting	14	35	7
01-102-0070	Outer Bearing	2	14	1	01-215-0050	Grease Fitting	15	29	2
01-102-0150	Bearing - Cone	21	9	4	01-215-0050	Grease Fitting	16	2	2
01-103-0040	Inner Race	2	12	1	01-215-0050	Grease Fitting	2	13	1
01-103-0130	Race	2	7	10	01-215-0050	Grease Fitting	3	9	4
01-103-0140	Outer Race	2	13	1	01-250-0020	Rod End Bearing	8	8	1
01-103-0160	Bearing - Cup	21	8	4	01-251-0020	Offset Link	7	*	1
01-105-0520	Needle Bearing	7	26	2	01-257-0010	Knob	13	15	3
01-105-0520	Needle Bearing	8	16	2	01-260-0010	Sheave	11	14	1
01-113-0010	Bearing	11	9	1	01-260-0020	Sheave	6	11	1
01-113-0010	Bearing	6	1	1	01-260-0030	Sheave	11	17	1
01-113-0010	Bearing	7	15	1	01-260-0040	Sheave	6	6	1
01-113-0020	Bearing	11	4	1	01-260-0190	Bushing	6	8	1
01-113-0020	Bearing	7	5	1	01-260-0230	Bushing	6	10	1
01-125-0030	Bronze Bushing	14	11	5	01-260-0280	Bushing	11	18	1
01-127-0310	Rubber Plug	18	8	2	01-260-0280	Bushing	5	20	1
01-158-2210	Machine Screw - Rd. Hd.	18	5	2	01-260-0290	Bushing	11	15	1
01-161-0030	Pop Rivet	8	23	2	01-260-0290	Bushing	4	3	1
01-161-0060	Pop Rivet	18	11	4	01-260-1050	Sheave	5	19	1
01-163-0030	Set Screw	4	14	1	01-260-1530	Sheave	4	2	1
01-166-1200	Flat Washer	14	20	10	01-261-0300	Spring	12	15	1
01-166-1600	Flat Washer	14	9	13	01-261-0300	Spring	8	12	1
01-167-1210	Washer	21	12	1	01-262-0520	Sprocket	7	11	1
01-168-1014	Machinery Bushing	12	2	5	01-262-0530	Sprocket	7	22	1
01-168-1210	Machinery Bushing	2	3	10	01-262-0610	Sprocket	7	25	1
01-168-1218	Machinery Bushing	2	12	2	01-262-0610	Sprocket	8	15	1
01-168-1410	Machinery Bushing	7	22	6	01-264-0010	Belt	11	20	1
01-168-1410	Machinery Bushing	8	13	11	01-264-0190	Belt	6	12	1
01-168-1414	Machinery Bushing	7	24	4	01-264-0620	Belt	4	5	1
01-168-1414	Machinery Bushing	8	14	5	01-264-0620	Belt	5	22	1
01-168-1610	Machinery Bushing	1	18	2	01-267-0050	Gearbox	4	1	1
01-168-1610	Machinery Bushing	14	31	8	01-267-0140	Pinion Shaft	21	6	1
01-168-1610	Machinery Bushing	7	20	3	01-267-0150	Cross Shaft	21	7	1
01-168-1614	Machinery Bushing	1	11	2	01-267-0160	Gear - Bevel	21	4	2
01-168-1614	Machinery Bushing	14	32	8	01-267-0170	Seal Kit	21	16	1
01-168-1614	Machinery Bushing	7	21	6	01-267-0190	Cap - Open	21	2	2
01-168-1618	Machinery Bushing	14	33	8	01-267-0200	Housing	21	1	1
01-168-2010	Machinery Bushing	7	13	2	01-267-0340	Housing - Pinion	21	3	1
01-168-2014	Machinery Bushing	7	10	3	01-267-0350	Gasket	21	5	15
01-169-0150	Sealing Washer	18	13	4	01-267-0360	Spacer	21	11	2
01-170-0010	Cable Clamp	15	*	4	01-267-0370	Key	21	14	2
01-171-0010	Turnbuckle	15	12	1	01-267-0380	Retaining Ring	21	15	3
01-182-0632	Capscrew - Hex Hd.	5	27	1	01-268-0010	Pulley	12	7	1
01-182-0832	Capscrew - Hex Hd.	12	16	1	01-268-0040	Cable Pulley	14	29	1
01-182-0840	Capscrew - Hex Hd.	6	24	2	01-268-0050	Cable Pulley	14	10	4
01-182-1256	Capscrew - Hex Hd.	3	6	2	01-268-0080	Idler Pulley	5	6	1
01-190-1210	Castle Nut	2	4	5	01-269-0060	Wheel Spacer	2	10	10
01-190-1216	Castle Nut	2	18	1	01-269-0140	Steering Hub	2	11	1
01-192-0070	Wing Nut	14	26	2	01-269-0300	Lug Nut	2	19	5
01-192-0230	Nut - Self Locking	21	13	1	01-269-0320	Tire	2	6	5
01-192-0640	Hex Nut	18	6	2	01-269-0340	Wheel	2	21	5
01-201-0030	Fitting	17	4	2	01-279-0010	Rubber Fingers	7	3	140
01-201-0140	Fitting	17	12	2	01-282-0320	Grease Fitting	20	13	1
01-201-0190	Fitting	17	5	8	01-282-0890	PTO Assembly	4	11	1
01-201-0780	Fitting	17	7	6	01-282-1080	Yoke w/Bridge	20	1	1
01-201-1330	Fitting	17	18	1	01-282-1090	Cross Journal Assembly	20	2	2
01-201-1790	Fitting	17	19	2	01-282-1100	Snap Ring	20	3	12
01-201-4580	Fitting	17	16	1	01-282-1110	Grease Fitting	20	4	5
01-201-4590	Fitting	17	22	2	01-282-1120	Central Body	20	5	1
01-201-4600	Fitting	17	21	2	01-282-1130	Yoke w/Bridge	20	6	1
01-201-4610	Fitting	17	25	1	01-282-1140	Flexible Pin	20	7	1

* Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
01-282-1150	Cardan Tube	20	8	1	01-650-0400	All Thread	13	7	2
01-282-1160	Cardan Tube Cm.	20	9	1	02-250-0020	Rod End Bearing	8	6	1
01-282-1170	Flexible Pin	20	11	1	2412-133	R-Clamp	1	21	2
01-282-1180	Inner Tube Yoke	20	10	1	254-78	Bearing	2	8	10
01-282-1190	Cross Journal Assembly	20	12	1	321-20	Capscrew - Hex Hd.	6	19	2
01-282-1200	Yoke	20	14	1	321-4	Capscrew - Hex Hd.	1	23	2
01-282-1210	Outer Bearing	20	15	1	321-6	Capscrew - Hex Hd.	16	6	3
01-282-1220	Outer Cone	20	16	1	32121-10	Roll Pin	16	4	1
01-282-1230	Cm. Safety Tube	20	17	1	32121-10	Roll Pin	3	8	2
01-282-1240	Cm. Safety Tube	20	19	1	3217-11	Hex Nut	1	13	4
01-282-1250	Inner Cone	20	20	1	3217-11	Hex Nut	10	8	2
01-282-1260	Inner Bearing	20	21	1	3217-11	Hex Nut	12	9	1
01-282-1310	Half Safety Guard	20	18	1	3217-11	Hex Nut	15	9	3
01-282-1320	Half Safety Guard	20	22	1	3217-11	Hex Nut	9	8	2
01-282-1330	Safety Guard	20	23	1	3217-12	Hex Nut	3	7	6
01-286-0040	Dust Cap	2	20	1	3217-5	Hex Nut	1	26	2
01-301-0550	Cylinder	1	15	1	3217-6	Hex Nut	15	22	9
01-301-0550	Cylinder	14	6	1	3217-6	Hex Nut	4	13	2
01-301-0550	Cylinder	17	3	2	3217-7	Hex Nut	1	8	6
01-301-0560	Cylinder	14	21	2	3217-7	Hex Nut	11	13	2
01-301-0560	Cylinder	17	13	2	3217-7	Hex Nut	12	12	4
01-301-0570	Seal Kit	1	*	1	3217-7	Hex Nut	13	5	8
01-301-0570	Seal Kit	14	*	1	3217-7	Hex Nut	14	16	6
01-301-0570	Seal Kit	17	*	1	3217-7	Hex Nut	15	26	4
01-305-0010	Pump	17	2	1	3217-7	Hex Nut	5	5	9
01-305-0010	Pump	6	13	1	3217-7	Hex Nut	6	5	10
01-305-0620	Seal Kit	17	*	1	3217-7	Hex Nut	7	19	1
01-305-0620	Seal Kit	6	*	1	3217-7	Hex Nut	8	9	4
01-308-1570	Manifold Assembly	17	1	1	3217-8	Hex Nut	13	8	6
01-308-1570	Manifold Assembly	6	17	1	3217-8	Hex Nut	5	18	4
01-308-1680	Check Valve	17	15	1	3217-9	Hex Nut	11	8	2
01-308-1690	Relief Valve	17	24	1	3217-9	Hex Nut	12	17	3
01-310-0010	Flow Restrictor	17	6	2	3217-9	Hex Nut	14	5	16
01-312-2280	Hose Assembly	17	17	1	3217-9	Hex Nut	15	5	5
01-312-2570	Hose Assembly	17	23	1	3217-9	Hex Nut	4	16	4
01-312-5520	Hose Assembly	17	14	4	3217-9	Hex Nut	5	11	2
01-312-5530	Hose Assembly	17	26	2	3217-9	Hex Nut	6	27	2
01-312-5640	Hose Assembly	17	10	1	3217-9	Hex Nut	7	9	2
01-312-5650	Hose Assembly	17	9	1	3218-5	Jam Nut	5	29	1
01-312-5660	Hose Assembly	17	11	2	3218-6	Jam Nut	10	6	1
01-312-5750	Hose Assembly	17	20	1	3218-6	Jam Nut	15	10	2
01-312-5760	Hose Assembly	17	8	2	3218-6	Jam Nut	9	5	1
01-405-0370	Seal	2	16	1	3218-7	Jam Nut	14	18	8
01-405-0460	Oil Seal	2	9	10	322-13	Capscrew - Hex Hd.	4	12	1
01-451-0010	Pipe Plug	21	17	2	322-5	Capscrew - Hex Hd.	15	19	9
01-506-0040	Decal - Danger	13	10	1	3220-3	Jam Nut	8	7	3
01-506-0040	Decal - Danger	5	24	1	323-10	Capscrew - Hex Hd.	6	2	4
01-506-0050	Decal - Danger	8	21	1	323-6	Capscrew - Hex Hd.	13	2	4
01-506-0070	Decal - Danger	1	9	1	323-6	Capscrew - Hex Hd.	14	14	6
01-506-0080	Decal - Danger	1	2	1	323-6	Capscrew - Hex Hd.	15	23	4
01-506-0080	Decal - Danger	13	11	1	323-6	Capscrew - Hex Hd.	21	10	12
01-506-0130	Decal - Danger	4	15	1	323-6	Capscrew - Hex Hd.	6	16	4
01-506-0150	Decal - Height Gauge	1	3	1	323-7	Capscrew - Hex Hd.	1	6	6
01-506-0160	Decal - Important	5	23	1	323-7	Capscrew - Hex Hd.	5	2	11
01-506-0730	Decal - Turf Sweeper 1660HL	1	4	2	323-8	Capscrew - Hex Hd.	11	10	2
01-506-1150	Decal - Danger	1	17	1	323-8	Capscrew - Hex Hd.	6	21	2
01-506-1260	Decal - Control Box	18	9	1	323-8	Capscrew - Hex Hd.	7	16	1
01-603-0760	Rubber Boot	18	7	3	3231-10	Carriage Bolt	14	24	2
01-603-0920	Switch - Thatcher	18	14	1	324-6	Capscrew - Hex Hd.	5	13	4
01-603-1330	Switch	18	3	3	325-17	Capscrew - Hex Hd.	5	8	1
01-612-0620	Strain Relief	18	15	1	325-5	Capscrew - Hex Hd.	4	7	6

* Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
325-5	Capscrew - Hex Hd.	5	25	2	327-14	Capscrew - Hex Hd.	12	4	1
325-5	Capscrew - Hex Hd.	8	5	1	327-16	Capscrew - Hex Hd.	3	2	4
325-6	Capscrew - Hex Hd.	14	2	16	327-6	Capscrew - Hex Hd.	10	2	1
325-6	Capscrew - Hex Hd.	4	17	4	327-6	Capscrew - Hex Hd.	9	6	1
325-7	Capscrew - Hex Hd.	11	5	2	327-7	Capscrew - Hex Hd.	15	13	1
325-7	Capscrew - Hex Hd.	15	3	4	327-9	Capscrew - Hex Hd.	15	8	2
325-7	Capscrew - Hex Hd.	7	6	2	3272-15	Cotter Pin	2	22	1
3253-3	Lock Washer	1	25	2	3272-21	Cotter Pin	12	3	1
3253-3	Lock Washer	6	20	2	3272-23	Cotter Pin	1	10	2
3253-4	Lock Washer	15	21	9	3272-23	Cotter Pin	14	8	12
3253-5	Lock Washer	1	7	6	3272-23	Cotter Pin	2	5	5
3253-5	Lock Washer	11	12	2	3272-23	Cotter Pin	7	14	2
3253-5	Lock Washer	13	4	4	3272-23	Cotter Pin	8	17	1
3253-5	Lock Washer	14	15	8	3272-25	Cotter Pin	7	28	1
3253-5	Lock Washer	15	25	4	328-5	Capscrew - Hex Hd.	14	17	2
3253-5	Lock Washer	5	4	11	328-8	Capscrew - Hex Hd.	14	28	2
3253-5	Lock Washer	6	4	6	3296-25	Lock Nut	9	11	2
3253-5	Lock Washer	7	18	1	3296-25	Lock Nut	10	11	2
3253-6	Lock Washer	5	17	4	3296-25	Lock Nut	15	6	4
3253-7	Lock Washer	11	7	2	3296-39	Lock Nut	12	11	1
3253-7	Lock Washer	14	4	16	3296-39	Lock Nut	6	23	2
3253-7	Lock Washer	4	8	10	3296-48	Lock Nut	8	20	3
3253-7	Lock Washer	5	28	3	3296-53	Lock Nut	15	14	1
3253-7	Lock Washer	7	8	2	3296-53	Lock Nut	3	4	4
3253-7	Lock Washer	8	4	1	41-002-0061	Dipstick	6	14	1
3253-8	Lock Washer	10	5	1	48-002-5441	Idler Sprocket Assembly	7	*	1
3253-8	Lock Washer	12	8	1	48-002-5441	Idler Sprocket Assembly	8	*	1
3253-8	Lock Washer	9	4	1	48-004-1211	Belt Slip Pin	13	6	2
3256-2	Flat Washer	1	24	2	48-004-1711	Idler Spring Rod	12	13	1
3256-24	"SAE" Flat Washer	11	11	2	48-004-1861	Hose Bracket	13	12	1
3256-24	"SAE" Flat Washer	7	17	1	48-004-1931	Key	6	7	1
3256-26	"SAE" Flat Washer	11	6	2	48-004-1931	Key	7	12	2
3256-26	"SAE" Flat Washer	14	30	12	48-004-3431	Hose Bracket	6	22	2
3256-26	"SAE" Flat Washer	5	9	4	48-004-3471	Spacer	12	5	1
3256-26	"SAE" Flat Washer	7	7	2	48-004-3881	Spacer	8	2	1
3256-26	"SAE" Flat Washer	8	3	1	48-004-3891	Idler Spring Rod	8	10	1
3256-27	"SAE" Flat Washer	10	4	1	48-004-5841	Reel Plate Spacer	10	3	1
3256-27	"SAE" Flat Washer	9	3	1	48-004-5841	Reel Plate Spacer	9	2	1
3256-28	"SAE" Flat Washer	2	17	1	48-005-0121	Spring Tension Adjustment	12	10	1
3256-3	Flat Washer	15	20	9	48-005-0162	Idler Cover	8	18	1
3256-4	Flat Washer	1	20	8	48-005-0172	Reel Plate Assembly-R.H.	10	1	1
3256-4	Flat Washer	12	14	3	48-005-0172	Reel Plate Assembly-R.H.	11	3	1
3256-4	Flat Washer	13	3	15	48-005-0182	Reel Plate Assembly- L.H.	7	4	1
3256-4	Flat Washer	14	25	2	48-005-0182	Reel Plate Assembly-L.H.	9	1	1
3256-4	Flat Washer	15	24	8	48-005-0191	Idler Shaft Assembly	8	1	1
3256-4	Flat Washer	5	3	21	48-005-0421	Axle Bolt Assembly	2	2	5
3256-4	Flat Washer	6	3	16	48-005-0591	Reel Lift Tube Assembly	10	9	1
3256-4	Flat Washer	8	11	3	48-005-0591	Reel Lift Tube Assembly	9	9	1
3256-5	Flat Washer	13	9	4	48-005-0611	Idler Arm	12	1	1
3256-5	Flat Washer	5	16	4	52-9640	Decal - Hydraulic Oil	6	15	1
3256-5	Flat Washer	8	19	3	54-004-0941	Reel Chain	7	27	1
3256-51	Flat Washer	18	12	4	65-005-0281	Dump Cylinder Pivot Ass'ly	14	13	1
3256-6	Flat Washer	10	10	6	66-002-0042	Hopper Door Assembly	15	2	1
3256-6	Flat Washer	12	18	2	66-002-0442	Hopper Assembly	15	1	1
3256-6	Flat Washer	14	3	20	66-002-5291	Wire Harness-Power Source	18	*	1
3256-6	Flat Washer	15	4	8	66-004-1621	Air Deflector	1	19	1
3256-6	Flat Washer	4	10	14	66-004-1641	Lower Door Arm-L.H.	15	7	1
3256-6	Flat Washer	9	10	6	66-004-2141	Hopper Pivot Arm Bushing	14	19	4
3256-7	Flat Washer	1	14	4	66-004-2161	Spacer	3	3	4
3256-7	Flat Washer	12	6	3	66-004-2171	Cylinder Pin	1	16	1
3256-7	Flat Washer	15	11	12	66-004-2171	Cylinder Pin	14	22	2

* Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
66-004-2181	Cylinder Pin	14	12	1	66-005-0271	Safety Stop	14	23	2
66-004-3211	Key	11	16	1	66-005-0361	Rear Outrigger-L.H.	3	5	1
66-004-3211	Key	4	4	1	66-005-0371	Reel Height Indicator	8	22	1
66-004-3291	Cylinder Pin	14	34	2	66-005-0381	Skid Assembly	3	1	2
66-004-3361	Rear Door Lift Cable	15	27	1	66-005-0421	Hopper Stop Pad	1	12	2
66-004-3571	Door Spring	15	16	1	66-005-3481	Yoke Assembly	2	1	1
66-004-4141	Cylinder Pin	14	7	1	66-005-4221	Rear Outrigger-R.H.	3	*	1
66-004-4182	Front Rubber Mount	15	17	1	66-005-4551	Control Box	18	1	1
66-004-4191	Rubber Flap	15	18	1	66-005-4882	Tongue Assembly	16	1	1
66-004-4531	Valve Spacer	6	18	2	66-005-4892	Guard	5	1	1
66-004-4571	Seal - Guard	13	14	1	66-005-4914	Main Frame	1	1	1
66-004-4591	Seal - Control Box	18	2	1	66-005-4921	Pulley Bracket	5	10	1
66-004-4761	Jackshaft	5	12	1	66-005-4931	Jackshaft Bearing Mount	5	15	1
66-004-4771	Idler Spacer	5	7	2	66-005-4941	Gearbox Mount	4	9	1
66-004-4821	Guide Plate	5	26	1	66-005-4952	Belt Guard	13	1	1
66-004-4841	Valve Clamp	6	26	1	66-005-4981	Hinge Pin	16	3	1
66-004-5341	Shaft Cover	4	6	1	66-005-5421	Access Cover	13	13	1
66-004-5351	Control Box Lid	18	4	1	66-005-5431	Battery Bracket	6	25	1
66-004-5371	Hanger Sleeve	18	10	1	66-1210	Decal - Toro	1	5	1
66-005-0192	Lift Arm Assembly	14	1	1	66-6840	Decal - Warning	13	16	1
66-005-0201	Reel Lift Rod Assembly	9	7	1	67-7920	Decal - Toro	15	28	1
66-005-0201	Reel Lift Rod Assembly	10	7	1	74-0720	Tube	1	22	1
66-005-0211	Lower Door Arm-R.H.	15	15	1	75-5190	Decal - No Riders	13	17	1
66-005-0231	Front Reel Assembly	11	2	1	82-004-1171	Key	11	19	1
66-005-0231	Front Reel Assembly	7	2	1	82-004-1171	Key	5	21	1
66-005-0242	Rear Reel Assembly	11	1	1	84-004-2851	Key	6	9	1
66-005-0242	Rear Reel Assembly	7	1	1	95-0042	Wiring Harness	18	*	1
66-005-0251	Upper Arm Assembly	14	27	2					

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 Turf Sweeper 1660HL has 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 Turf Sweeper 1660HL, 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.

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NOTES

MAINTENANCE RECORD

[illegible]