

3000 SERIES

Lever-Steer Riders

3016-L Mfg. No. 1691973

3018-L Mfg. No. 1691974

3020-L Mfg. No. 1691975

Wheel-Steer Riders

3016-S Mfg. No. 1691970

3018-S Mfg. No. 1691971

3020-S Mfg. No. 1691972

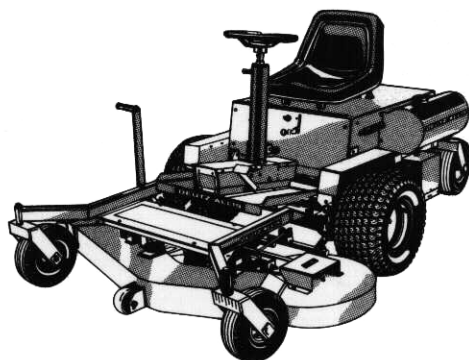
Mowers

46" Mfg. No. 1691878

54" Mfg. No. 1691879

60" Mfg. No. 1691880

66" Mfg. No. 1691881



PARTS MANUAL

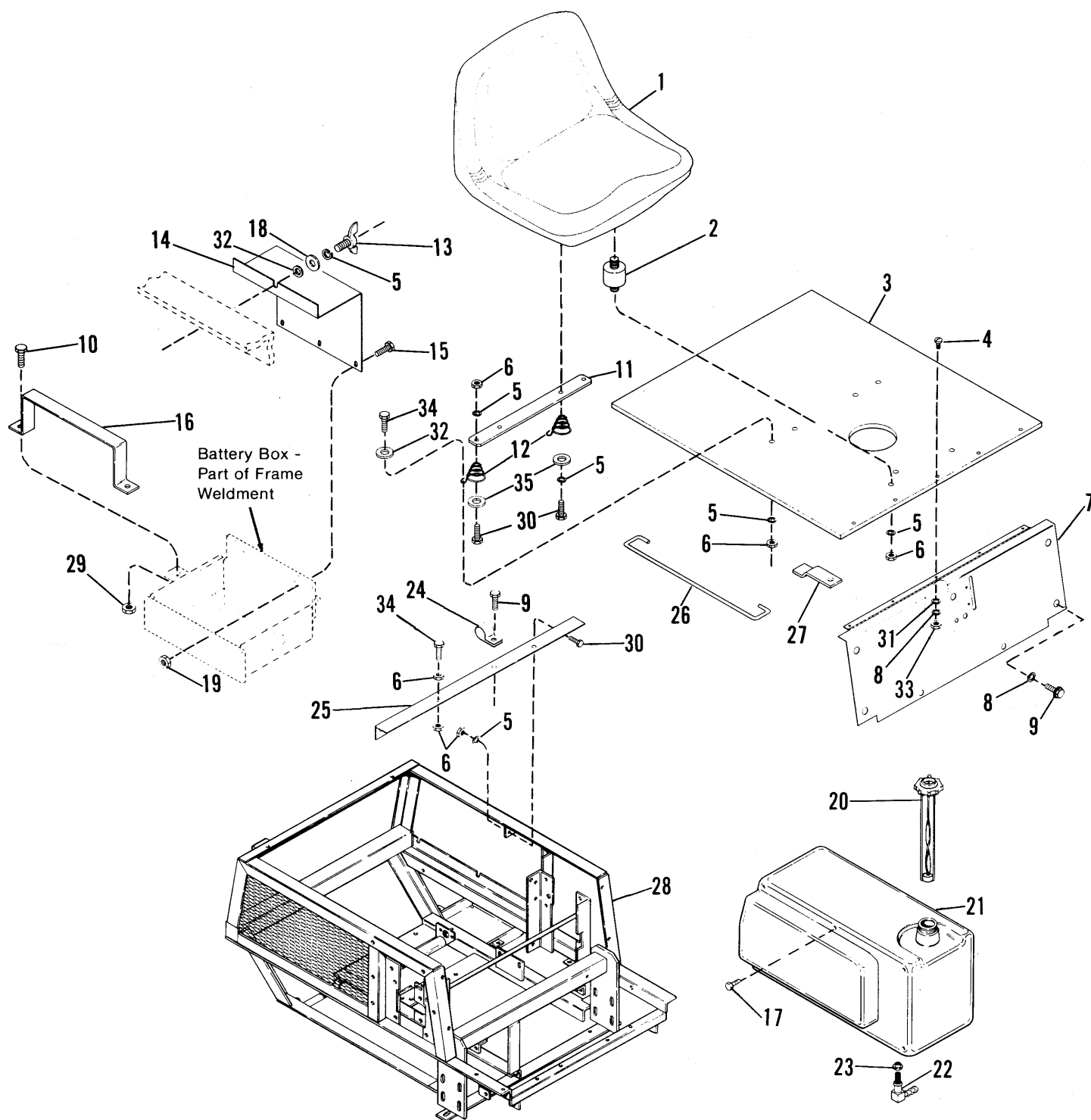
DEUTZ-ALLIS®
LAWN & GARDEN EQUIPMENT

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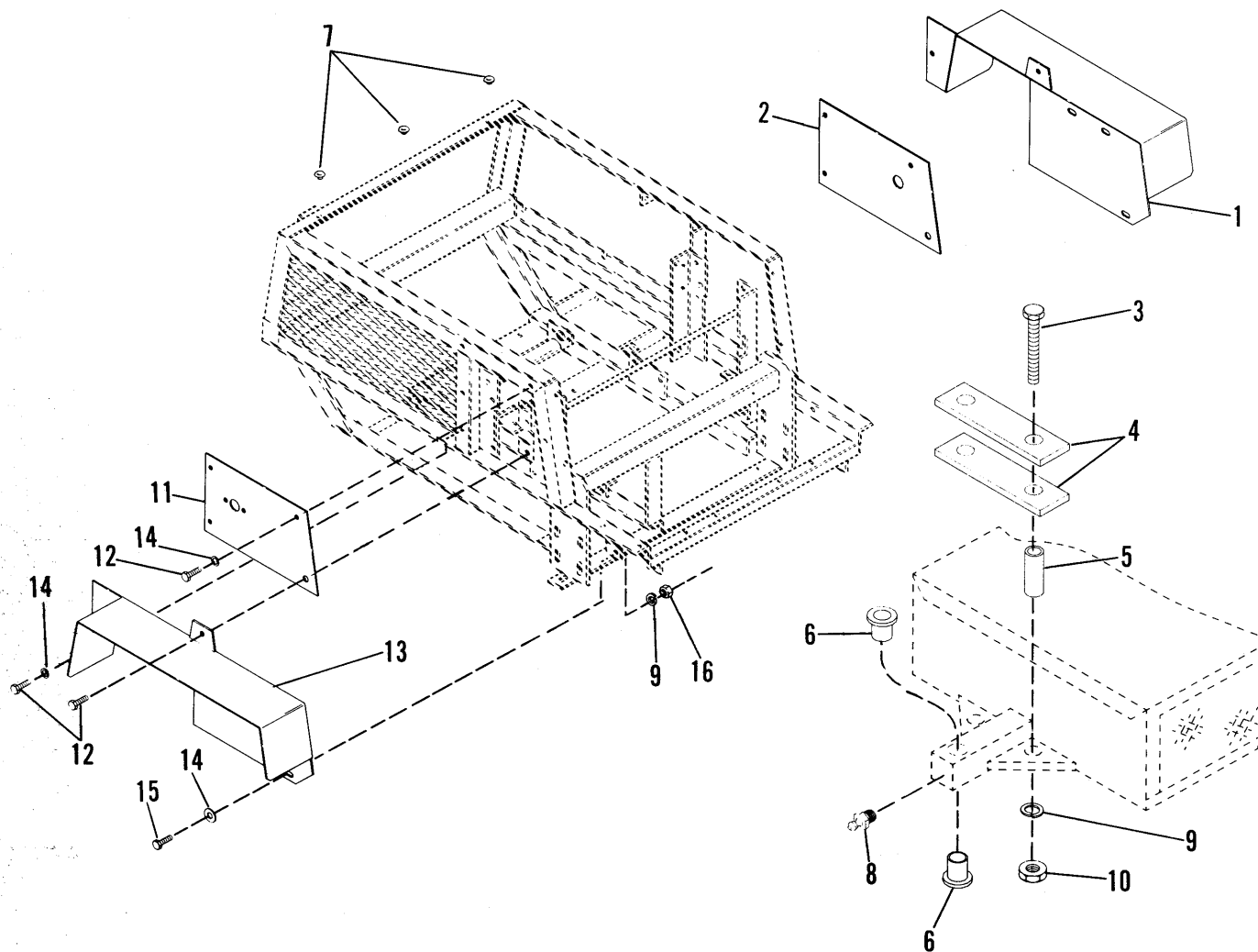
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NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1705117	1	SEAT
2	1712182	1	ISOLATOR
3	71712041	1	SEAT PAN ASSY.
4	1960392	5	SCREW, Pan Head, #10-24 x 1/2
5	1917356	15	LOCKWASHER, Spring 5/16
6	1917372	14	NUT, Hex, 5/16-18
7	1711546	1	FRONT ASSY.
8	1917365	5	LOCKWASHER, Spring, #10
9	1927429	5	SCREW, Taptite, 1/4-20 x 5/8
10	1921719	2	CAPSCREW, Hex, 5/16-18 x 2-1/2
11	1712754	1	BAR, Spring
12	1712393	4	SPRING, Seat
13	928693	1	SCREW, Wing, 5/16-18 x 3/4
14	1706073	1	COVER, Battery
15	1922121	3	SCREW, Round Hd., #10-32 x 3/8
16	1712138	1	STRAP, Battery
17	1931648	6	SCREW, Hex, Whizlock, 5/16-18 x 1/2
18	1919381	1	WASHER, 1" O.D.
19	1930627	3	LOCKNUT, Hex, #10-32
20	1706071	1	CAP, Fuel Tank w/ Gauge
21	1705853	1	FUEL TANK ASSY.
22	1674792	1	ELBOW, Fuel Tank
23	1654930	1	BUSHING, Fuel Tank
24	1704873	1	CLAMP
25	1712505	1	SUPPORT, Seat
26	1705502	1	ROD, Support
27	1705503	1	BRACKET, Latch
28	71705947	1	FRAME ASSY.
29	1923362	2	NUT, Hex, Centerlock, 5/16-18
30	1921333	6	CAPSCREW, Hex, 5/16-18 x 1
31	1910531	5	WASHER, Plain
32	1919326	1	WASHER, Plain, 3/4" O.D.
33	1916621	5	NUT, Hex, #10-24
34	1921332	6	CAPSCREW, Hex, 5/16-18 x 3/4
35	1924874	8	WASHER, Plain



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Ref. No.	Part No.	Qty.	Description
1	1711543	1	FENDER ASSY., L.H.
2	1711544	1	SIDE, L.H.
*3	1960412	2	CAPSCREW, Hex, 7/16-14 x 4-1/2
	1960411	2	CAPSCREW, Hex, 7/16-14 x 5
	1960410	2	CAPSCREW, Hex, 7/16-14 x 5-1/2
*4	1705128	0-5	PLATE, Weight
5	1705129	2	TUBE, Spacer
6	1710286	2	BUSHING, Flanged
7	1712798	3	BUMPER, Rubber
8	912808	1	FITTING, Grease
9	1918199	2	LOCKWASHER, Spring, 5/16
10	1918213	2	NUT, Hex, 7/16-14
11	1711545	1	SIDE, R.H.
12	1927429	10	SCREW, Taptite, 1/4-20 x 5/8
13	1711537	1	FENDER ASSY., R.H.
14	1919326	7	WASHER, Plain
15	1921332	2	CAPSCREW, Hex, 5/16-18 x 3/4
16	1917372	2	NUT, Hex, 5/16-18

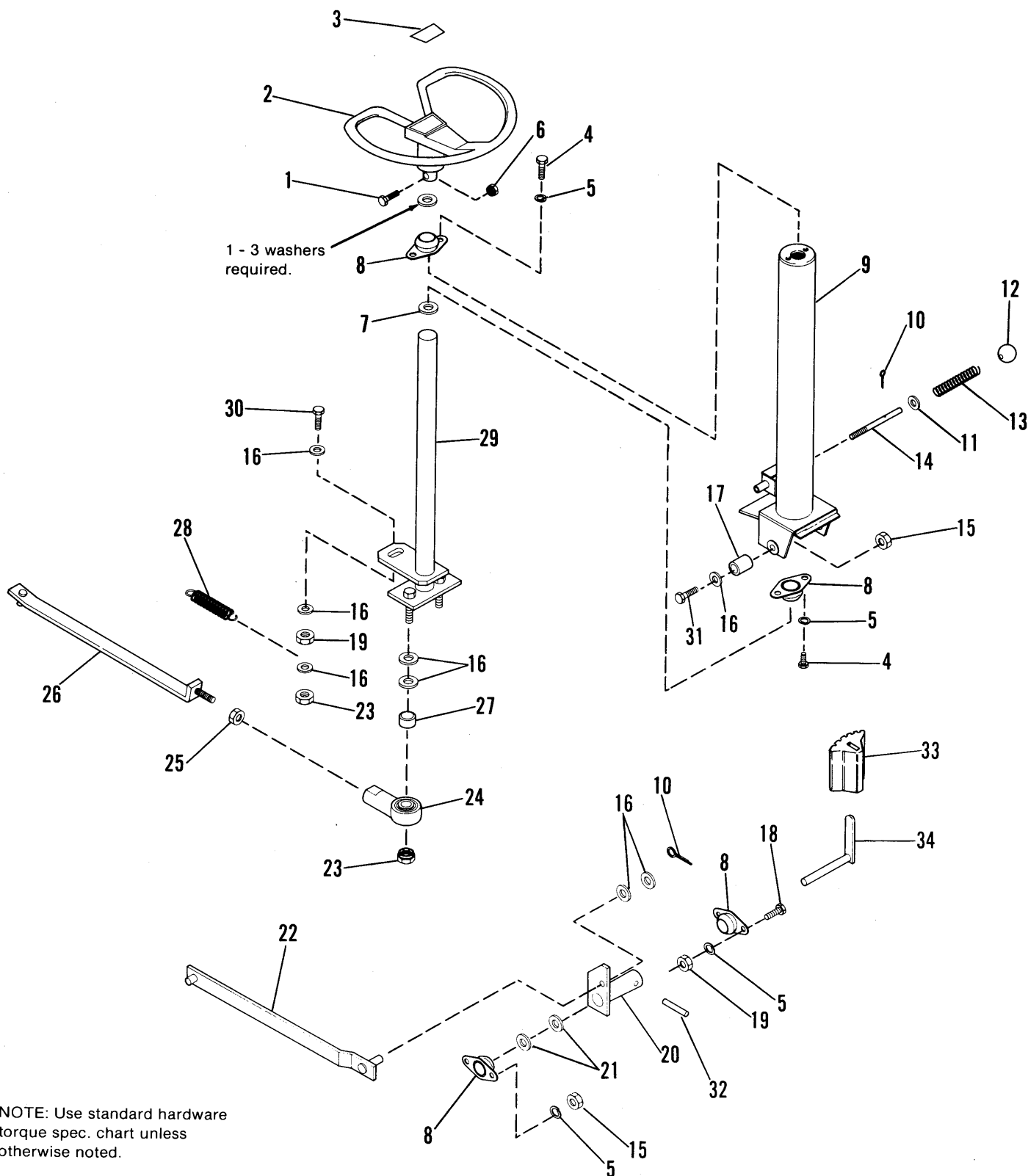
ENGINE HP	LEVER/WHEEL	TAIL WHEEL	*CAPSCREW LENGTH	# OF WEIGHTS REQUIRED
B&S 16 HP	Lever	Single	4-1/2"	3
B&S 16 HP	Lever	Dual	4"	1
B&S 16 HP	Wheel	Single	5"	4
B&S 16 HP	Wheel	Dual	4"	2
Kohler 18 HP	Lever	Single	4-1/2"	3
Kohler 18 HP	Lever	Dual	—	0
Kohler 18 HP	Wheel	Single	5-1/2"	5
Kohler 18 HP	Wheel	Dual	4-1/2"	3
Kohler 20 HP	Lever	Single	4-1/2"	3
Kohler 20 HP	Lever	Dual	—	0
Kohler 20 HP	Wheel	Single	5-1/2"	5
Kohler 20 HP	Wheel	Dual	4-1/2"	3

*Match capscrew length from chart to length of capscrews listed under Ref. No. 3 (above) to determine correct Part No. and number of weights to order.

**WARNING**

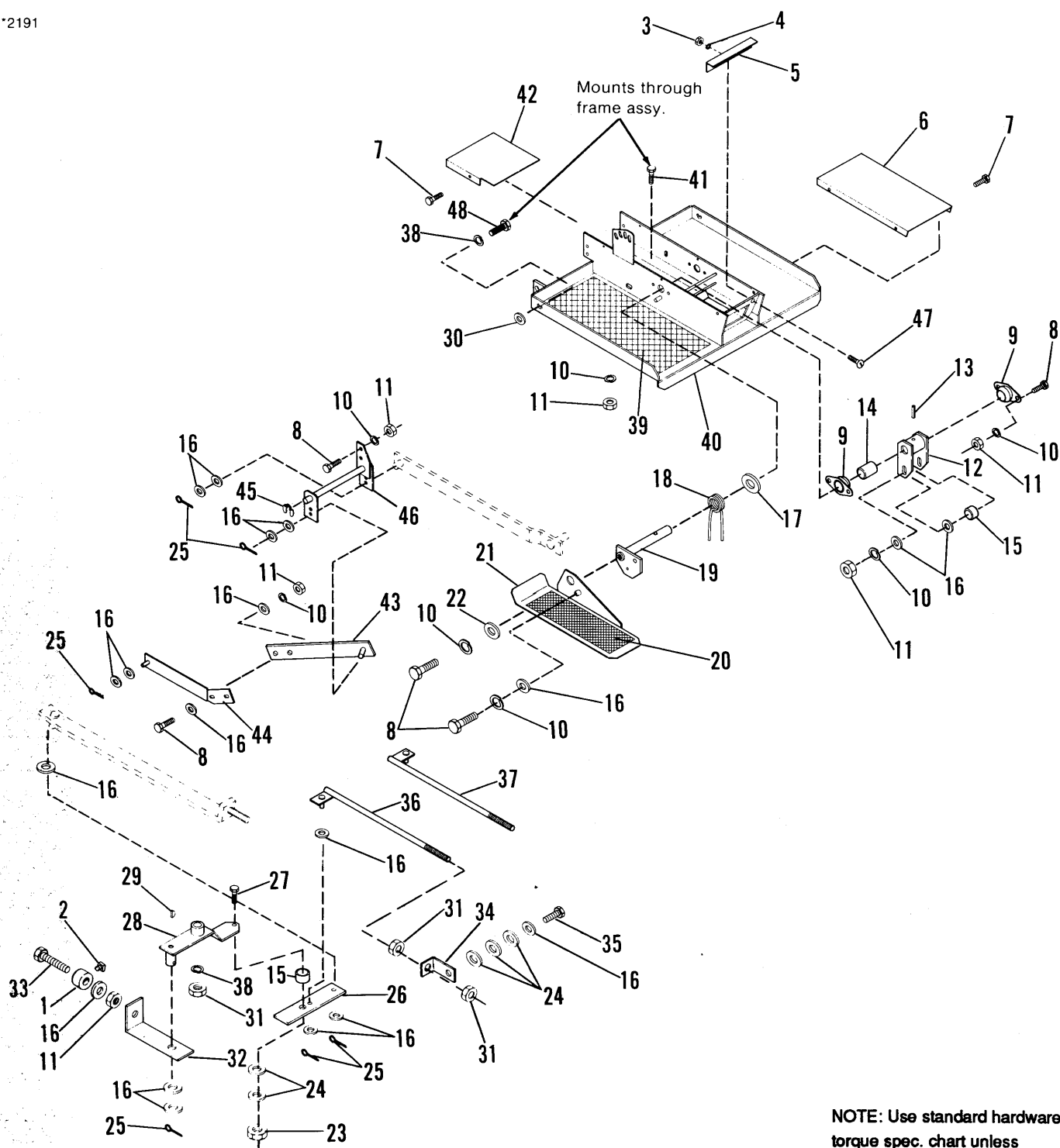
It is very important to use the required number of weights in order to provide for the proper vehicle stability when operating on slopes.

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Ref. No.	Part No.	Qty.	Description
1	1930598	1	SCREW, Taptite, 3/8-16 x 1-1/2
2	1712342	1	WHEEL, Steering
3	1705396	1	INSERT, Steering Wheel
4	1924856	4	CAPSCREW, Hex, 5/16-18 x 1/2
5	1917356	8	LOCKWASHER, Spring, 5/16
6	1930651	1	LOCKNUT, Hex, 3/8-16
7	1960114	3	WASHER, Plain
8	1712345	4	BEARING, Flanged
9	1705952	1	STEERING COLUMN ASSY.
10	1960394	3	COTTER PIN
11	1924940	2	WASHER, Plain
12	1710003	1	KNOB
13	1712338	1	SPRING
14	1712337	1	ROD, Latch
15	1935048	4	LOCKNUT, Hex, Flanged, 5/16-18
16	1919326	13	WASHER, Plain
17	1705486	2	SPACER
18	1921332	2	CAPSCREW, Hex, 5/16-18 x 3/4
19	1917372	5	NUT, Hex, 5/16-18
20	1712349	1	CLUTCH ARM ASSY.
21	1710650	2	WASHER, Plain
22	1712352	1	LINK ASSY., Clutch, Front
23	1923362	3	LOCKNUT, Hex, 5/16-18
24	1712382	2	ROD END
25	1920263	2	NUT, Hex, 5/16-24
26	1712374	2	LINK ASSY., Steering
27	1710437	2	SPACER
28	1706523	1	SPRING
29	1712339	1	SHAFT ASSY.
30	1921977	1	CAPSCREW, Hex, 5/16-18 x 1-1/4
31	1921333	2	CAPSCREW, Hex, 5/16-18 x 1
32	960396	1	ROLL PIN
33	1666664	1	PAD, Non-Skid, Pedal
34	1705995	1	CLUTCH PEDAL ASSY.

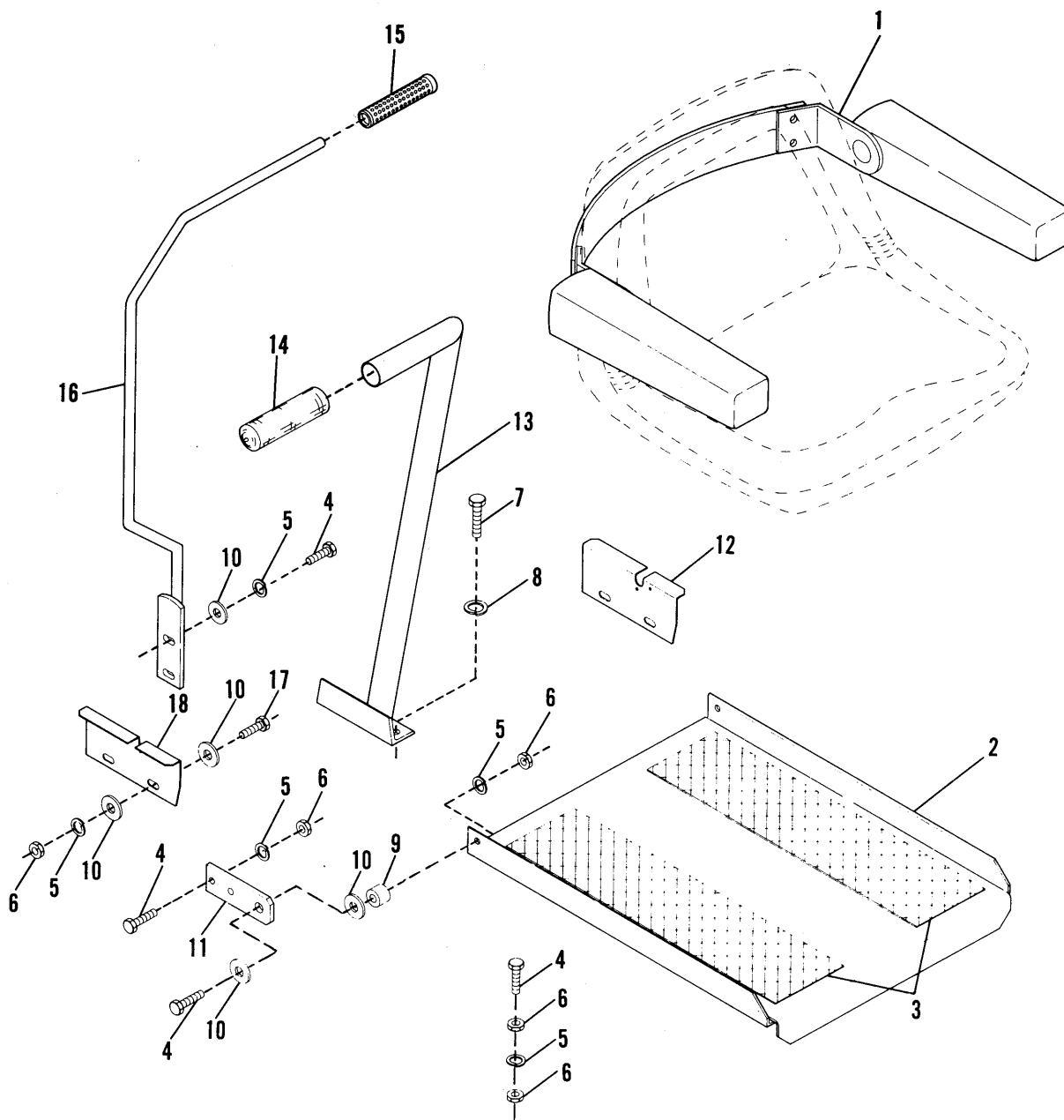
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NOTE: Use standard hardware torque spec. chart unless otherwise noted.

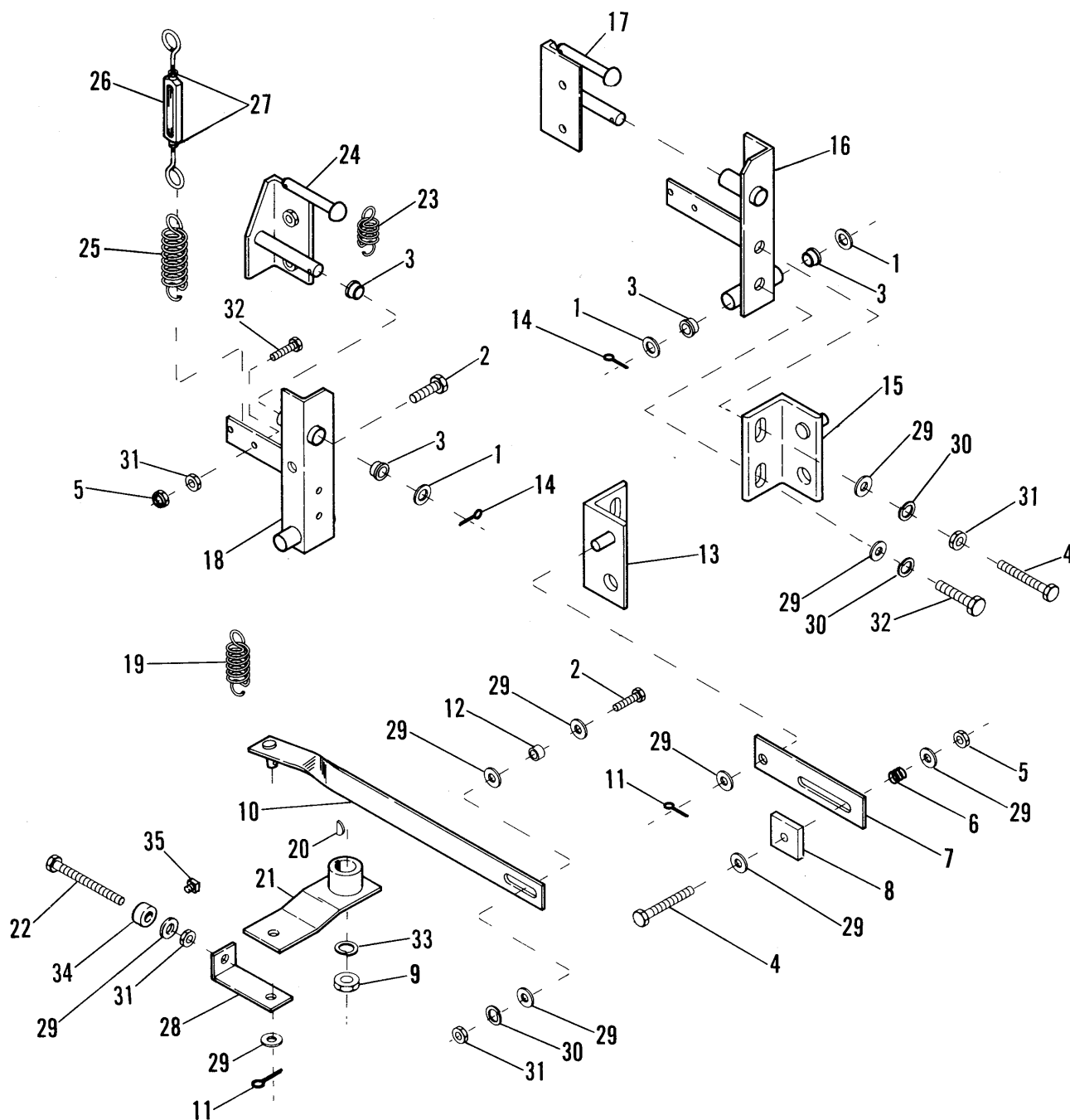
Ref. No.	Part No.	Qty.	Description
1	1669597	2	COLLAR, Set
2	1928804	2	SETSCREW, Sq. Hd., 1/4-20 x 3/8
3	1916621	2	NUT, Hex, #10-24
4	1917356	2	LOCKWASHER, #10
5	1706369	2	CLAMP, Light
6	1712324	1	COVER, Front
7	1927429	6	SCREW, Taptite, 1/4-20 x 5/8
8	1921332	8	CAPSCREW, Hex, 5/16-18 x 3/4
9	1712345	2	BEARING, Flanged
10	1917356	14	LOCKWASHER, Spring, 5/16
11	1917372	14	NUT, Hex, 5/16-18
12	1712365	1	ARM ASSY.
13	960396	1	ROLL PIN
14	1712368	1	SPACER
15	1710437	2	SPACER
16	1919326	35	WASHER, Plain
17	1710650	1	WASHER, Plain
18	1712392	1	SPRING, Torsion
19	1705994	1	SPEED CONTROL SHAFT ASSY.
20	1712380	1	PAD, Non-Skid
21	1705939	1	PEDAL, Control
22	1960009	1	WASHER, Plain
23	1935048	2	LOCKNUT, Hex, Flanged, 5/16-18
24	1960027	12	WASHER, Plain
25	1960394	9	COTTER PIN
26	1712383	2	BAR
27	1921333	2	CAPSCREW, Hex, 5/16-18 x 1
28	1712384	2	CONTROL ARM ASSY.
29	960397	2	KEY, Hi-Pro, 1/8 x 1/2
30	1924940	2	WASHER, Plain
31	1916950	6	NUT, Hex, 3/8-16
32	1712184	2	STOP ASSY., Forward Travel
33	1923141	2	CAPSCREW, Hex, 5/16-18 x 2-3/4
34	1712369	2	LINK, Adjusting
35	1921977	2	CAPSCREW, Hex, 5/16-18 x 1-1/4
36	1712370	1	SPEED CONTROL LINK ASSY., R.H.
37	1712373	1	SPEED CONTROL LINK ASSY., L.H.
38	1916965	4	LOCKWASHER, 3/8
39	1712381	2	PAD, Non-Skid
40	71705815	1	FOOTREST ASSY.
41	1922127	2	CAPSCREW, Hex, 5/16-18 x 1-3/4
42	1712325	1	COVER, Rear
43	1712358	1	LINK ASSY., Clutch, Rear
44	1712387	1	LINK ASSY., Adjusting
45	1703805	1	KLIPRING, 1/2"
46	1712354	1	SHAFT ASSY.
47	1928732	4	SCREW, Pan Hd., #10-24 x 1
48	1921210	2	CAPSCREW, Hex, 3/8-16 x 1

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NOTE: Use standard hardware torque spec. chart unless otherwise noted.

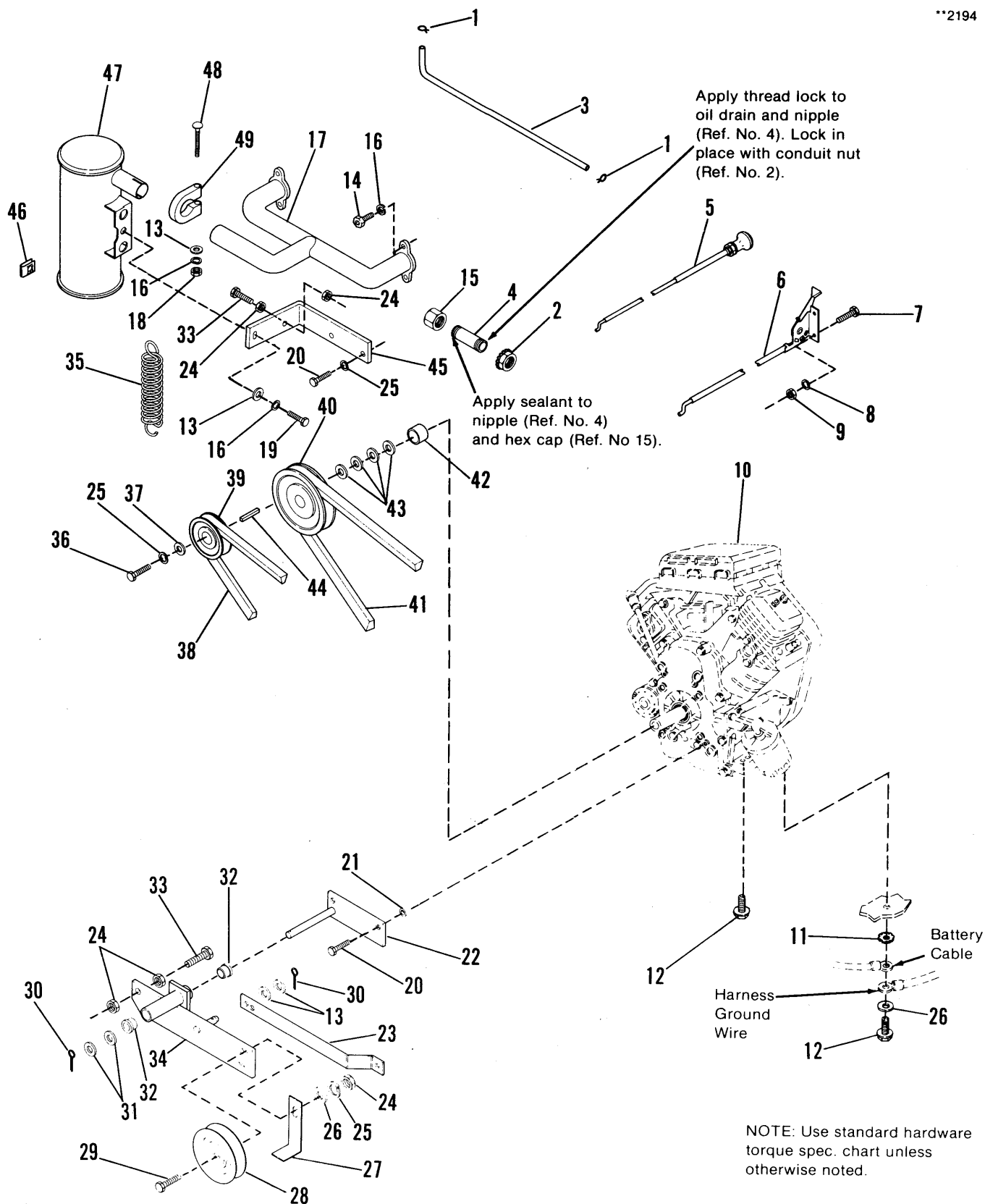
Ref. No.	Part No.	Qty.	Description
1	1712533	1	ARM KIT, Seat
2	71705714	1	FOOTREST ASSY.
3	1705320	2	PAD, Non-Skid
4	1921333	12	CAPSCREW, Hex, 5/16-18 x 1
5	1917356	16	LOCKWASHER, Spring, 5/16
6	1917372	14	NUT, Hex, 5/16-18
7	1921210	2	CAPSCREW, Hex, 3/18-16 x 1
8	1916965	2	LOCKWASHER, Spring, 3/8
9	1710437	2	BUSHING
10	1919326	16	WASHER, Plain, 5/16
11	1712514	2	BRACKET, Footrest
12	1712511	1	PLATE, Neutral, L.H.
13	1711551	1	HANDRAIL ASSY.
14	1711555	1	GRIP
15	1710434	2	GRIP, Handle
16	1710431	2	HANDLE ASSY.
17	1921332	4	CAPSCREW, Hex, 5/16-18 x 3/4
18	1712510	1	PLATE, Neutral, R.H.



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Ref. No.	Part No.	Qty.	Description
1	1960027	6	WASHER, Plain
2	1921971	4	CAPSCREW, Hex, 5/16-18 x 1-1/4
3	1710005	8	BEARING, Flanged
4	1921978	4	CAPSCREW, Hex, 5/16-18 x 2
5	1923362	4	LOCKNUT, Unitorque, 5/16-18
6	1710465	2	SPRING, Friction
7	1710463	2	BAR, Friction
8	1710464	2	PAD, Friction
9	1916950	2	NUT, Hex, 3/8-16
10	1711572	2	LINK ASSY., Control
11	1960394	4	COTTER PIN
12	1710437	2	SPACER
13	1711586	1	BRACKET ASSY., Speed Adjust, R.H.
14	1918451	4	COTTER PIN
15	1711587	1	BRACKET ASSY., Speed Adjust, L.H.
16	1712507	1	CONTROL ASSY., L.H.
17	1711576	1	JOINT ASSY., L.H.
18	1712506	1	CONTROL ASSY., R.H.
19	1712183	2	SPRING, Lower
20	960397	2	KEY, Woodruff, 1/8-1/2
21	1710428	2	ARM ASSY., Control
22	1923141	2	CAPSCREW, Hex, 5/16-18 x 2-3/4
23	1710440	2	SPRING, Handle
24	1711574	1	JOINT ASSY., R.H.
25	1710136	2	SPRING, Upper
26	1712204	2	TURNBUCKLE
27	1916622	2	NUT, Hex, 1/4-20
28	1712184	2	STOP ASSY., Forward Travel
29	1919326	24	WASHER, Plain
30	1917356	6	LOCKWASHER, Spring, 5/16
31	1917372	8	NUT, Hex, 5/16-18
32	1921333	4	CAPSCREW, Hex, 5/16-18 x 1
33	1916965	2	LOCKWASHER, Spring, 3/8
34	1669597	2	SET COLLAR
35	1928804	2	SET SCREW, Sq. Hd., 1/4-20 x 3/8

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Ref. No.	Part No.	Qty.	Description
1	1960112	2	CLAMP, Hose
2	1932849	1	NUT, Conduit, 3/8-18
3	1676861	1	HOSE, Fuel (Cut to 24" length)
4	901489	1	NIPPLE, Pipe, 3/8-18 x 1
5	1706313	1	CHOKE CABLE
6	1706314	1	THROTTLE CABLE
7	1960392	2	SCREW, Pan Hd., #10-24 x 1/2
8	1917365	2	LOCKWASHER, Spring, #10
9	1916621	2	NUT, Hex, #10-24
*10		1	ENGINE, 16 HP Briggs & Stratton
11	1920427	4	LOCKWASHER, Ext. Tooth, 3/8
12	930598	4	SCREW, Taptite, 3/8-16 x 1-1/2
13	1919326	19	WASHER, Plain
14	1960407	4	CAPSCREW, Hex Socket Hd., 8 x 1-1/4 x 20 mm
15	1667346	1	CAP, Hex, 3/8-18 NPT
16	1917356	11	LOCKWASHER, Spring, 5/16
17	1705373	1	MANIFOLD ASSY., Exhaust
18	1917372	9	NUT, Hex, 5/16-18
19	1921332	3	CAPSCREW, Hex, 5/16-18 x 3/4
20	1921210	4	CAPSCREW, Hex, 3/8-16 x 1
21	1710554	2	SPACER
22	1712794	1	IDLER PIVOT ASSY.
23	1706227	1	LINK, Clutch
24	1916950	4	NUT, Hex, 3/8-16
25	1916965	4	LOCKWASHER, Spring, 3/8
26	1924940	1	WASHER, Plain
27	1710546	1	RETAINER, Belt
28	1710545	1	V-PULLEY, Idler, PTO
29	1921969	1	CAPSCREW, Hex, 3/8-16 x 1-1/2
30	1960394	2	COTTER PIN
31	1960027	2	WASHER, Plain
32	1710005	2	BEARING, Flanged
33	1921971	2	CAPSCREW, Hex, 3/8-16 x 1-3/4
34	1712796	1	IDLER ARM ASSY.
35	1710547	1	SPRING
36	1922128	1	CAPSCREW, Hex, 3/8-24 x 1-1/2
37	1960009	1	WASHER, Plain
38	1706448	1	V-BELT, Traction
39	1711141	1	V-PULLEY, Traction
40	1705144	1	V-PULLEY, PTO
41	1705107	1	V-BELT, PTO
42	1711619	1	SPACER, Engine
43	1710287	4	WASHER, Plain
44	960281	1	KEY, Square, 1/4 x 1-3/4
45	1705302	1	SUPPORT, Muffler
46	935255	1	PAL NUT, 5/16-18
47	1703971	1	MUFFLER ASSY.
48	1931342	1	CARRIAGE BOLT, 5/16-18 x 2-3/4
49	1676183	1	CLAMP, Muffler

***See an authorized Briggs & Stratton dealer for engine service and parts. Engine parts are not available through Deutz-Allis Lawn & Garden Equipment.**

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Battery Cable
Harness Ground Wire

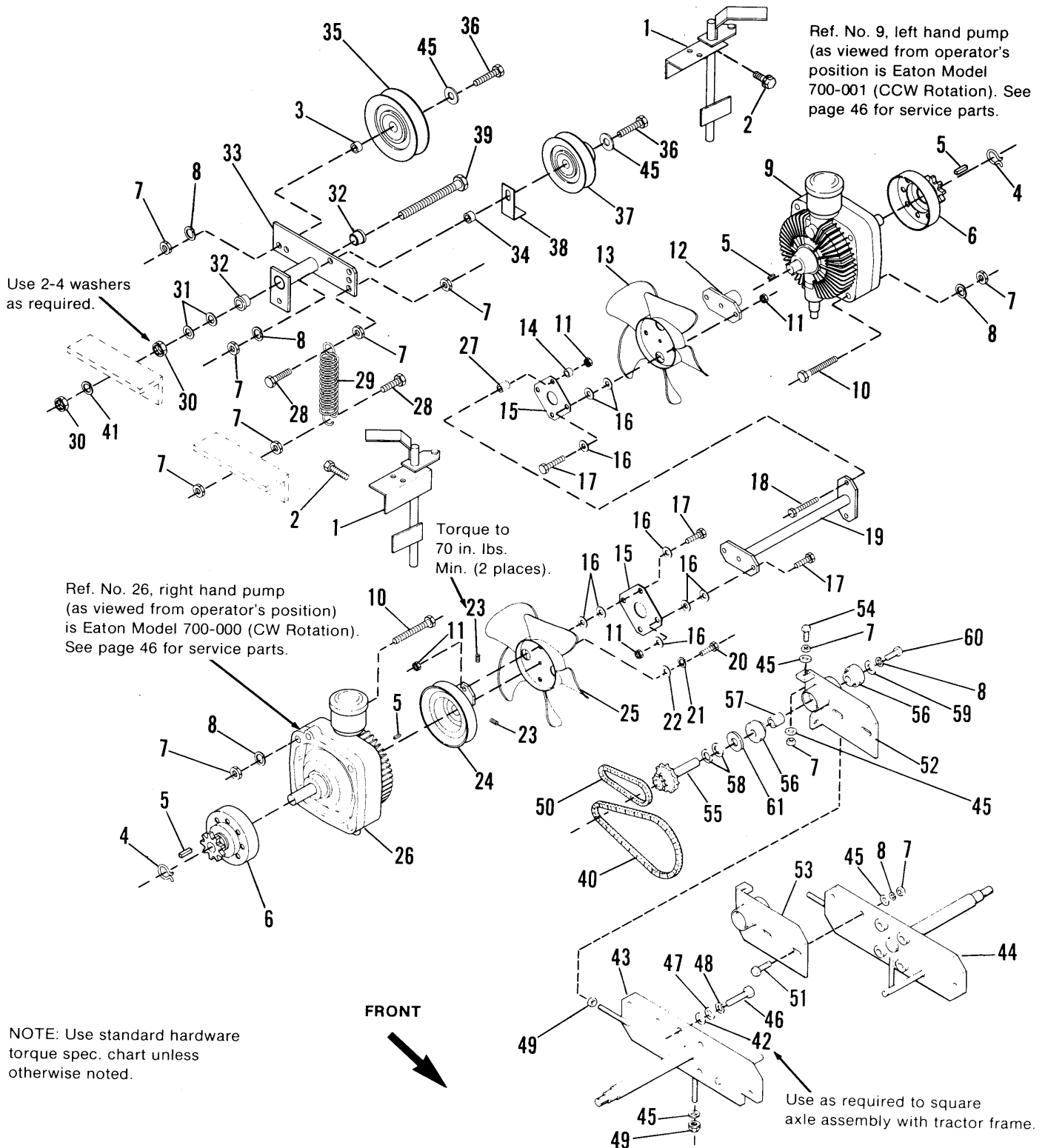
NOTE: Use standard ha
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Ref. No.	Part No.	Qty.	Description
1	1960112	4	CLAMP, Hose
2	1676861	1	HOSE, Fuel (Cut to 12" length)
3	173206	1	FILTER, Fuel
4	1712030	1	SPACER, Engine
5	1676861	1	HOSE, Fuel, 5"
6	1705087	1	CHOKE CABLE
7	1711614	1	THROTTLE CABLE
8	1960392	2	SCREW, Pan Hd., #10-24 x 1/2
9	1917365	2	LOCKWASHER, Spring, #10
10	1916621	2	NUT, Hex, #10-32
11	932747	1	TIE WRAP
*12		1	ENGINE, 18 HP Kohler
		1	ENGINE, 20 HP Kohler
13	1920415	3	CAPSCREW, Hex, 5/16-18 x 1/4
14	1920427	1	LOCKWASHER, Ext. Tooth, 3/8
15	1705409	1	MUFFLER ASSY.
16	1919326	2	WASHER, Plain
17	1933263	1	WASHER, Plain
18	1667133	2	SPACER
19	1705132	1	IDLER PIVOT ASSY.
20	1705321	1	LINK, Clutch
21	1916950	9	NUT, Hex, 3/8-16
22	1916965	7	LOCKWASHER, Spring, 3/8
23	1924940	2	WASHER, Plain
24	1710546	1	RETAINER, Belt
25	1710545	1	V-PULLEY, Idler, PTO
26	1921969	2	CAPSCREW, Hex, 3/8-16 x 1-1/2
27	1960394	2	COTTER PIN
28	1960027	2	WASHER, Plain
29	1710005	2	BEARING, Flanged
30	1921971	4	CAPSCREW, Hex, 3/8-16 x 1-3/4
31	1705130	1	IDLER ARM ASSY.
32	1710547	1	SPRING
33	1921210	1	CAPSCREW, Hex, 3/8-16 x 1
34	1920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
35	1712034	1	SPRING ANCHOR ASSY.
36	1922380	1	CAPSCREW, Hex, 7/16-20 x 1-1/4
37	1918199	1	LOCKWASHER, Spring, 7/16
38	1712818	1	V-Belt, Traction
39	960281	1	KEY, Square, 1/4 x 1-3/4
40	1712642	1	V-PULLEY, Traction
41	1705135	1	V-PULLEY, PTO
42	1705106	1	V-BELT, PTO

*See an authorized Kohler dealer for engine service and parts. Engine parts are not available through Deutz-Allis Lawn & Garden Equipment.

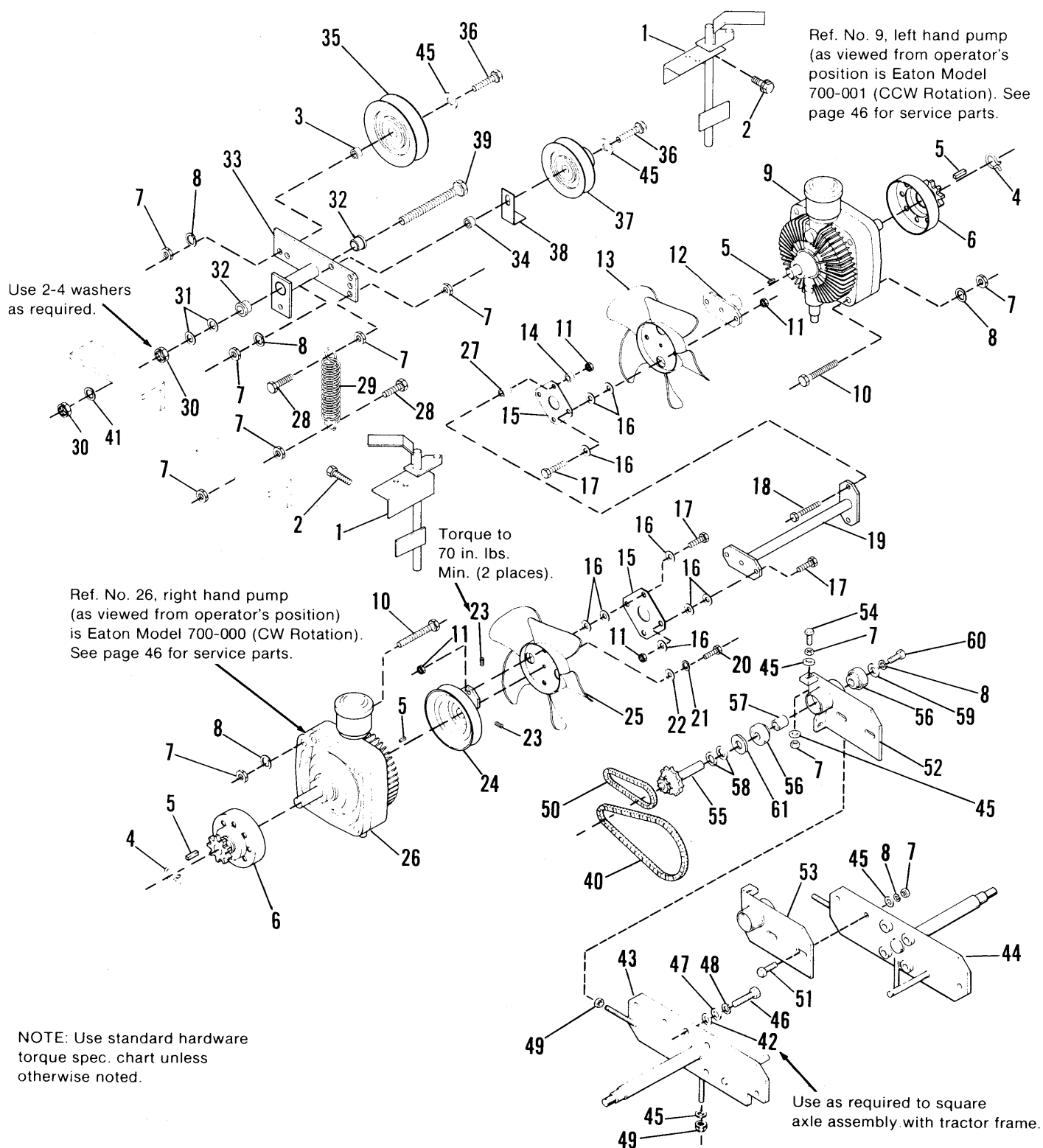
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Ref. No.	Part No.	Qty.	Description
1	1710454	2	TOW CONTROL ASSY.
2	1928730	2	SCREW, Taptite, 3/8-16 x 1/2
3	108717	1	SPACER
4	927731	2	RING, Retaining, External
5	960397	4	KEY, Hi-Pro, 1/8 x 1/2
6	1706301	2	SPROCKET AND DRUM ASSY.
7	1916950	22	NUT, Hex, 3/8-16
8	1916965	16	LOCKWASHER, Spring, 3/8
9	1700690	1	HYDROSTATIC TRANSMISSION, L.H. (Model 700-001)
10	1923903	8	CAPSCREW, Hex, 3/8-16 x 3
11	1923362	8	LOCKNUT, Hex, 5/16-18
12	1710567	1	HUB ASSY.
13	1710573	1	FAN ASSY., L.H.
14	1710437	2	SPACER (Short)
15	1710575	2	DISC
16	1919326	18	WASHER, Plain
17	1921333	6	CAPSCREW, Hex, 5/6-18 x 1
18	1922127	2	CAPSCREW, Hex, 5/16-18 x 1-3/4
19	1711610	1	SHAFT ASSY.
20	1923341	1	CAPSCREW, Hex, 1/4-20 x 3/4
21	1916964	1	LOCKWASHER, Spring, 1/4
22	1921319	1	WASHER, Plain
23	1960110	2	SETSCREW, 1/4-28 x 1/2
24	1710570	1	V-PULLEY ASSY.
25	1710574	1	FAN ASSY., R.H.
26	1710426	1	HYDROSTATIC TRANSMISSION, R.H. (Model 700-000)
27	1710703	2	SPACER (Long)
28	1921974	2	CAPSCREW, Hex, 3/8-16 x 1-1/2
29	1705134	1	SPRING, Extension
30	1916951	2	NUT, Hex, 1/2-13

Ref. Nos. 31 thru 61 are located on pages 20 and 21.

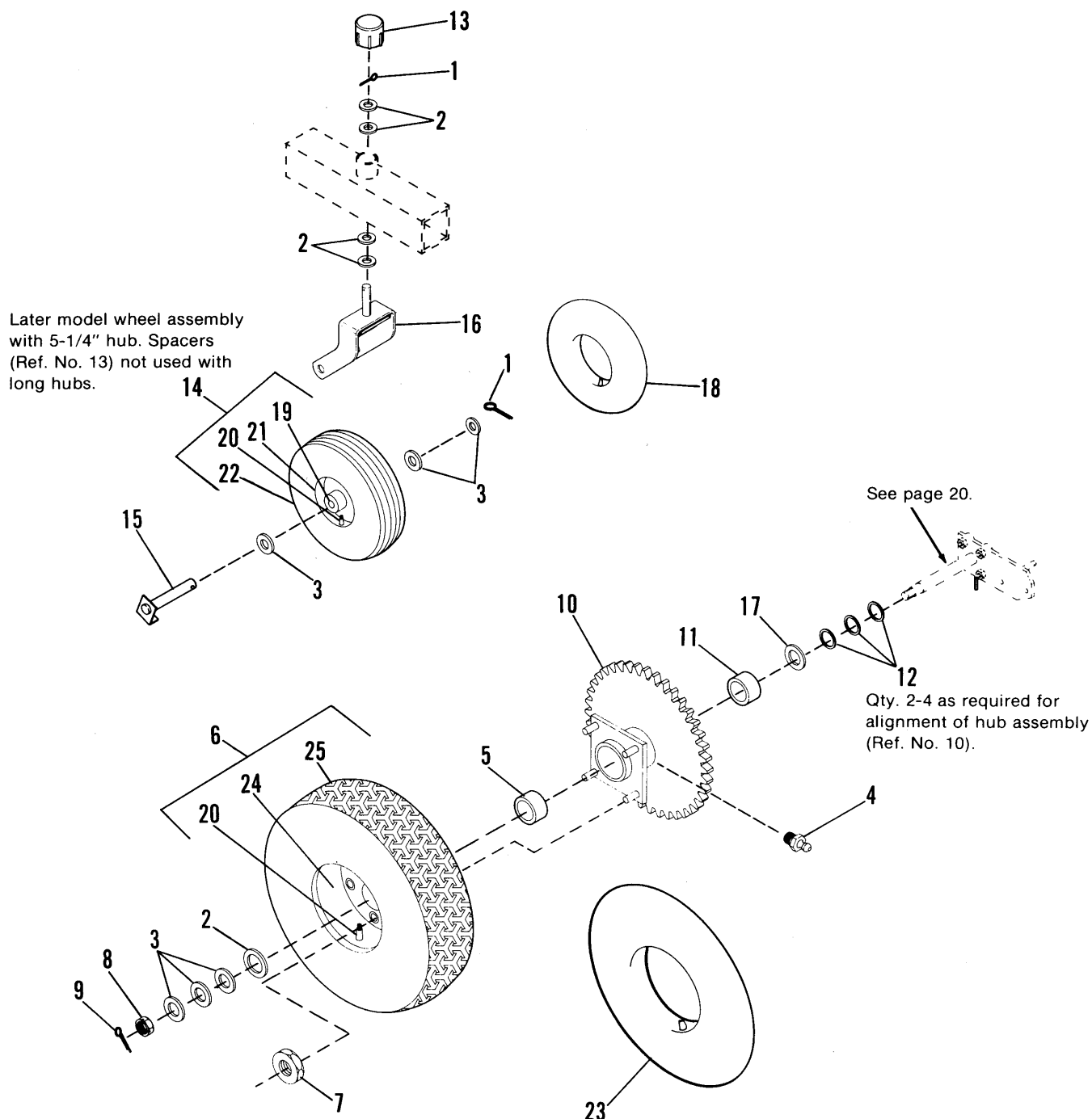
**2196



Ref. No.	Part No.	Qty.	Description
31	1960027	3	WASHER, Plain
32	1710005	2	BUSHING, Flanged
33	1712786	1	IDLER ARM ASSY.
34	1710554	1	SPACER
35	1710539	1	V-PULLEY, Idler
36	1923701	2	CAPSCREW, Hex, 3/8-16 x 2
37	1710024	1	V-PULLEY, Idler
38	1710081	1	RETAINER, Belt
39	1926159	1	CAPSCREW, Hex, 1/2-13 x 5
40	1712751	2	CHAIN, Drive (82 Pitch)
41	1916966	1	LOCKWASHER, Spring, 1/2
42	1918267	8	WASHER, Plain
43	1712732	1	AXLE PLATE ASSY., R.H.
44	1712733	1	AXLE PLATE ASSY., L.H.
45	1924940	12	WASHER, Plain
46	1920594	8	CAPSCREW, Hex, 7/16-20 x 2
47	1925125	8	WASHER, Plain
48	1918199	8	LOCKWASHER, Spring, 7/16
49	1919439	2	NUT, Hex, ESNA Lock, 3/8-16
50	1712750	2	CHAIN (40 Pitch)
51	1920415	4	CAPSCREW, Hex, 3/8-16 x 1-1/4
52	1712742	1	JACKSHAFT HSG. ASSY., R.H.
53	1712743	1	JACKSHAFT HSG. ASSY., L.H.
54	1933685	2	CAPSCREW, Hex, 3/8-16 x 2-1/2 (Full Thread)
55	1712747	2	JACKSHAFT ASSY.
56	1712038	4	BALL BEARING
57	1712067	2	SPACER
58	1710650	4	WASHER
59	1960009	2	WASHER
60	927008	2	CAPSCREW, Hex, 3/8-24 x 1
61	960181	2	WASHER, 3/8" I.D. x 1-5/16" O.D.

Ref. Nos. 1 thru 30 are located on pages 18 and 19.

**2197

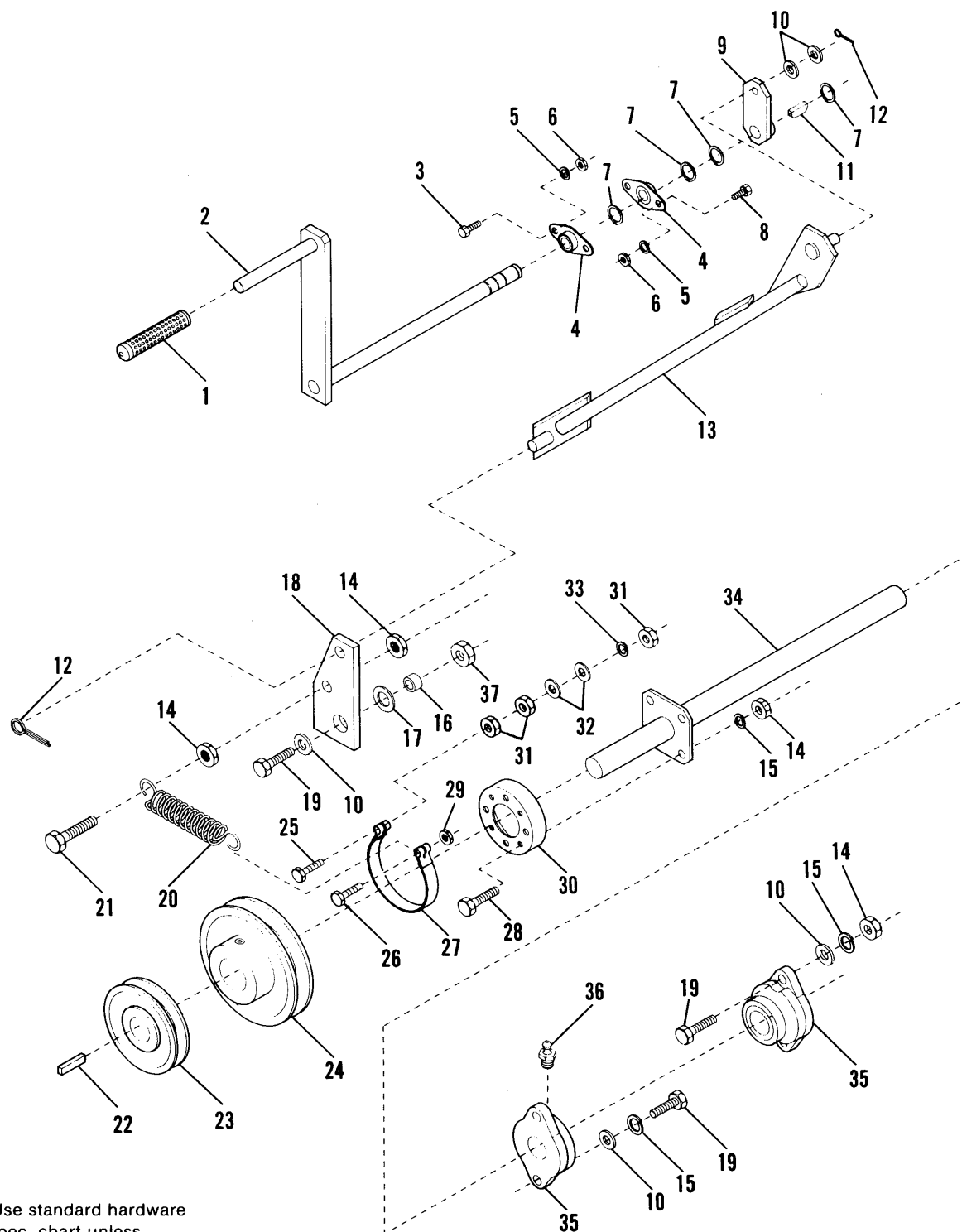


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1918459	2	COTTER PIN
2	1710287	6	WASHER, Plain
3	960181	9	WASHER, Plain
4	921133	2	FITTING, Grease
5	1711534	2	BEARING
6	1705758	2	WHEEL AND TIRE ASSY., 18 x 9.50-8 (Incl. Ref. Nos. 20 (Qty. 2), 23, 24 & 25)
7	177725	8	NUT, Wheel, 7/16-20
8	1960387	2	NUT, Hex, Slotted, 3/4-16
9	918454	2	COTTER PIN
10	1712738	2	HUB ASSY.
11	1712741	2	BEARING
12	1712764	2-4	WASHER, Plain (As required for alignment)
13	1673333	1	CAP, Threaded
14	1705759	1	WHEEL AND TIRE ASSY., 13 x 5.00-6 (Incl. Ref. Nos. 18, 19, 20 (Qty. 1), 21 & 22)
15	1706620	1	AXLE PIN ASSY.
16	1705954	1	CASTER ASSY.
17	1960409	2	WASHER, Plain
*18	1664090	2	TUBE (Used with Ref. No. 14)
19	1712288	2	BEARING, Flanged
20	172353	3	VALVE STEM
21	1705761	1	WHEEL ASSY.
22	1713048	1	TIRE, 13 x 5.00-6
*23	164247	2	TUBE (Used with Ref. No. 6)
24	1705421	2	WHEEL ASSY.
25	1705757	2	TIRE, 18 x 9.50-8

NOTE: Simplicity Tire Sealant can be used to repair tires in place of tubes.
See inside front cover of this manual for part number.

**2198



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1710434	1	GRIP
2	1711599	1	PTO HANDLE ASSY.
3	1921958	2	CAPSCREW, Hex, 1/4-20 x 1/2
4	1710661	2	BEARING, Flanged
5	1916964	4	LOCKWASHER, Spring, 1/4
6	1916622	4	NUT, Hex, 1/4-20
7	927103	4	RING, Retaining, External, 5/8
8	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
9	1711601	1	ARM ASSY.
10	1919326	7	WASHER, Plain
11	905123	1	KEY, Woodruff, 3/16 x 3/4
12	1960394	2	COTTER PIN
13	1711603	1	ROD ASSY.
14	1917372	6	NUT, Hex, 5/16-18
15	1917356	8	LOCKWASHER, Spring, 5/16
16	1710437	1	SPACER
17	1960027	1	WASHER, Plain
18	1711607	1	ARM, Brake
19	1921977	5	CAPSCREW, Hex, 5/16-18 x 1-1/4
20	1710316	1	SPRING, Tension
21	1921221	1	CAPSCREW, Hex, 5/16-18 x 1-1/2
22	905100	1	KEY, Square, 1/4 x 2-1/4
23	1711141	1	V-PULLEY, PTO
24	1711140	1	V-PULLEY, PTO
25	1933685	1	CAPSCREW, Hex, 3/8-16 x 2-1/2
26	1921974	1	CAPSCREW, Hex, 3/8-16 x 1-1/2
27	1710553	3	BAND, Brake
28	1921332	4	CAPSCREW, Hex, 5/16-18 x 3/4
29	1930651	1	LOCKNUT, Hex, 3/8-16
30	1710556	1	DRUM, Brake
31	1916950	3	NUT, Hex, 3/8-16
32	1924940	2	WASHER, Plain
33	1916965	1	LOCKWASHER, Spring, 3/8
34	1712251	1	JACKSHAFT ASSY.
35	1710008	2	BEARING, Collared
36	918186	1	FITTING, Grease
37	1935048	3	LOCKNUT, Hex, Flanged, 5/16-18

This diagram illustrates the exploded view of a mechanical assembly, showing the relationship between various components. The parts are numbered as follows:

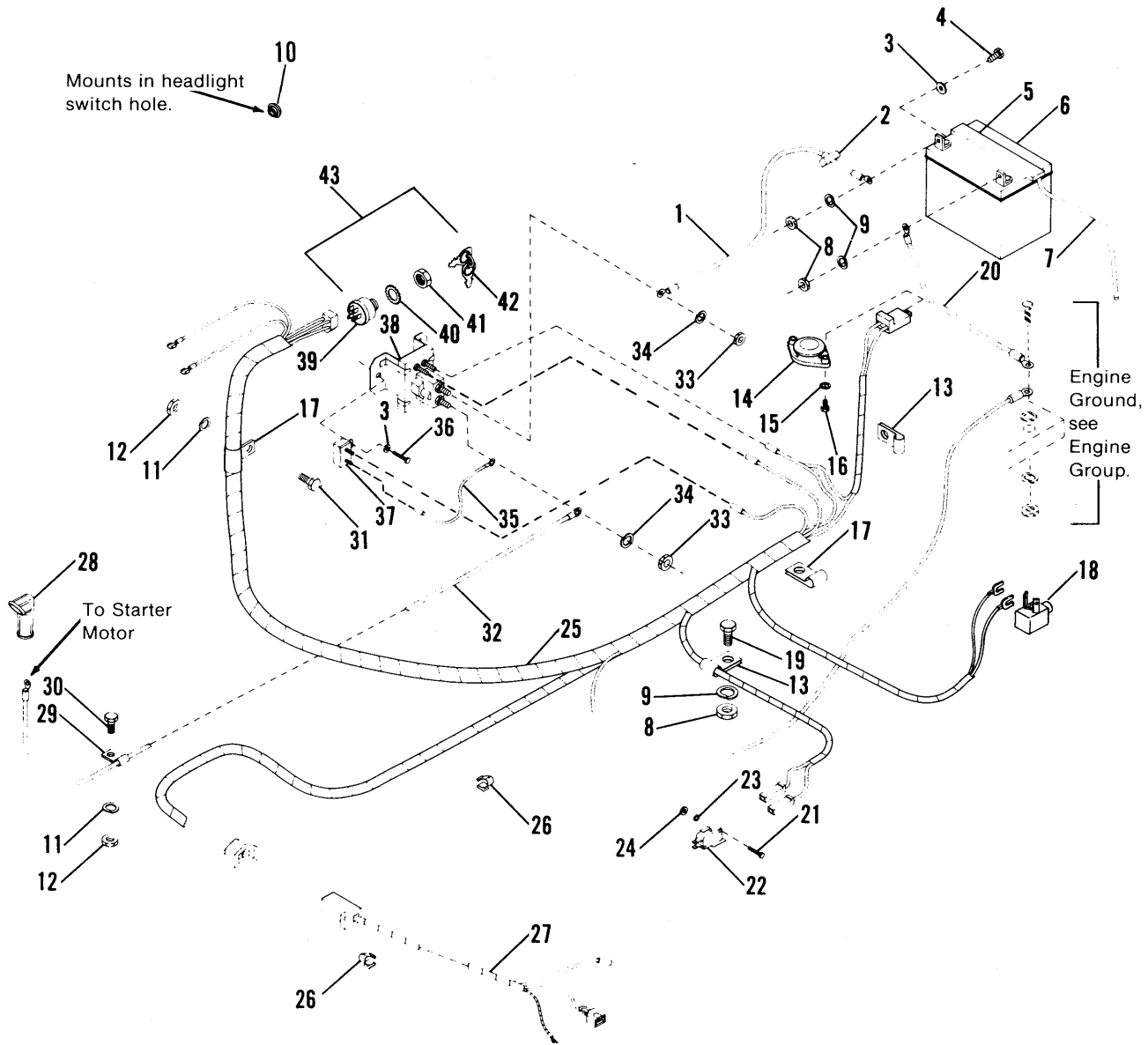
- 1:** A long, thin rod or shaft.
- 2:** A curved bracket or arm.
- 3:** A small circular pin or washer.
- 4:** A small circular pin or washer.
- 5:** A U-shaped bracket or clip.
- 6:** A small cylindrical pin or bolt.
- 7:** A coiled spring.
- 8:** A small circular washer or spacer.
- 9:** A small cylindrical pin or bolt.
- 10:** A curved bracket or arm.
- 11:** A small circular pin or washer.
- 12:** A small circular pin or washer.
- 13:** A small cylindrical pin or bolt.
- 14:** A rectangular plate or bracket.

The diagram uses dashed lines to indicate the assembly path and the relative positions of the components. The components are arranged in a way that shows how they fit together to form the final assembly.

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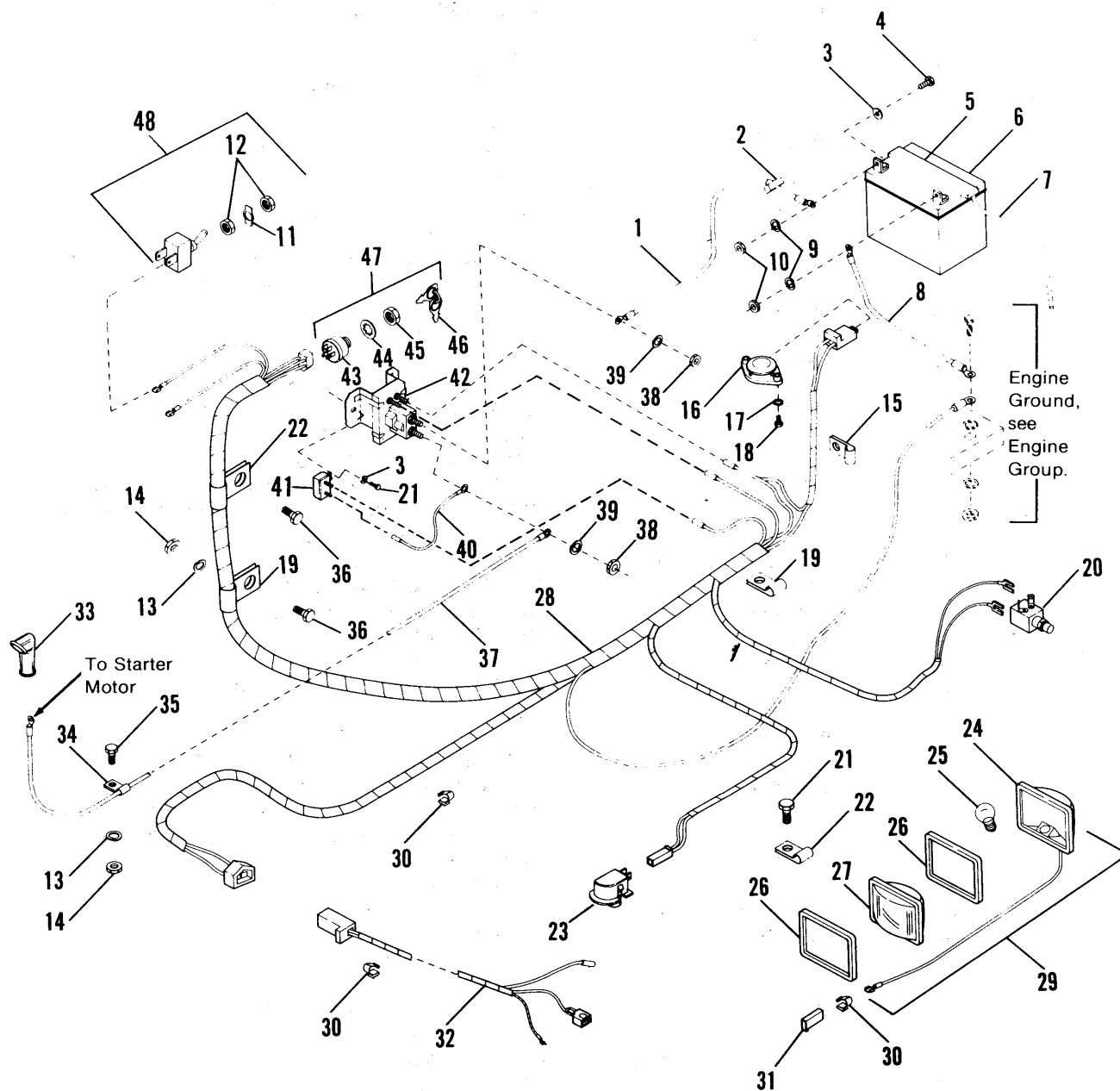
Ref. No.	Part No.	Qty.	Description
1	1710434	1	GRIP
2	1705536	2	ROD, Brake
3	1919326	4	WASHER, Plain
4	1960394	4	COTTER PIN
5	1705534	2	ROD GUIDE ASSY.
6	1711115	2	CLEVIS PIN
7	173575	2	SPRING, Compression
8	1917372	4	NUT, Hex, 5/16-18
9	1921221	2	CAPSCREW, Hex, 5/16-18 x 1-1/2
10	1710553	2	BAND, Brake
11	1916950	2	NUT, Hex, 3/8-16
12	1916965	2	LOCKWASHER, Spring, 3/8
13	1921965	2	CAPSCREW, Hex, 3/8-16 x 3/4
14	1712515	1	SHAFT ASSY.

**2200



Ref. No.	Part No.	Qty.	Description
1	1612060	1	WIRE ASSY., Battery to Solenoid
2	1677296	1	BOOT, Insulator
3	1921319	3	WASHER, Plain
4	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
5	1704581	1	VENT CAP, Battery
6	1685215	1	BATTERY
7	1612103	1	HOSE, Drain, Battery
8	1916622	4	NUT, Hex, 1/4-20
9	1916964	4	LOCKWASHER, Spring, 1/4
10	177447	1	BUTTON, Plug
11	1917356	2	LOCKWASHER, Spring, 5/16 (Qty. 3 used on 16 HP)
12	1917372	2	NUT, Hex, 5/16-18 (Qty. 3 used on 16 HP)
13	1933979	3	CLIP
14	1705146	1	SWITCH ASSY., Safety, Seat
15	1921880	2	LOCKWASHER, External Tooth, 1/4
16	1960357	2	SCREW, Round Head, 1/4-20 x 3/4
17	157245	2	CLAMP
18	1710462	1	SWITCH, Interlock, PTO
19	1921959	2	CAPSCREW, Hex, 1/4-20 x 5/8
20	1668819	1	WIRE ASSY., Battery to Engine Ground (16 HP)
	1655522	1	WIRE ASSY., Battery Engine Ground (18 & 20 HP)
21	1935031	4	CAPSCREW, Hex, #5-40 x 3/4
22	1676123	2	MICROSWITCH, Interlock
23	1930947	4	LOCKWASHER, Spring, #5
24	1931003	4	NUT, Hex, #5-40
25	1705104	1	HARNESS ASSEMBLY, Lever Steer
26	172434	2	CLIP (16 HP)
27	1705105	1	WIRE ASSY., Harness to Engine (16 HP)
28	122023	1	BOOT
29	926917	1	CLAMP, Wire (16 HP)
30	1921971	1	CAPSCREW, Hex, 5/16-18 x 3/4 (16 HP)
31	1921333	1	CAPSCREW, Hex, 5/16-18 x 1
32	1701522	1	WIRE ASSY., Solenoid to Starter (16 HP)
	1612060	1	WIRE ASSY., Solenoid to Starter (18 & 20 HP)
33	1920263	2	NUT, Hex, 5/16-24
34	917356	2	LOCKWASHER, Spring, 5/16
35	1665237	1	WIRE, Circuit Breaker to Solenoid
36	1927429	2	SCREW, Taptite, 1/4-20 x 5/8
37	1665238	1	CIRCUIT BREAKER
38	1685290	1	SOLENOID
39		1	SWITCH, Ignition (See Ref. No. 43)
40	918906	1	LOCKWASHER, Internal Tooth, 5/8
41	122234	1	NUT, Hex, 5/8-32
42	122203	1	KEYS & RING
43	1674244	1	IGNITION SWITCH ASSY., (Incl. Ref. Nos. 39-42)

**2201

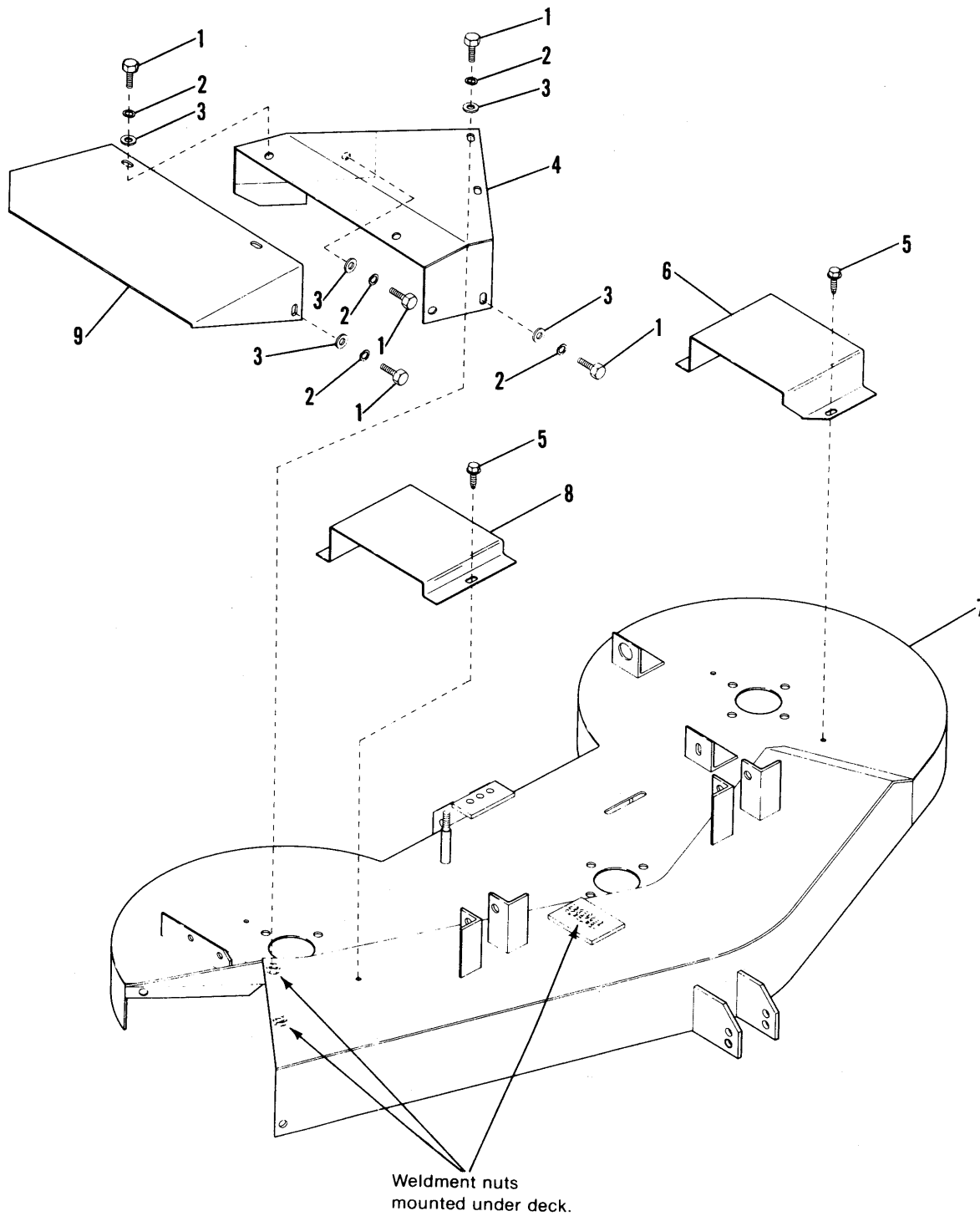


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1612060	1	WIRE ASSY., Battery to Solenoid
2	1677296	1	BOOT, Insulator
3	1921319	3	WASHER, Plain
4	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
5	1704581	1	VENT CAP, Battery
6	1685215	1	BATTERY
7	1612103	1	HOSE, Drain, Battery
8	1668819	1	WIRE ASSY., Battery to Engine Ground (16 HP)
	1655522	1	WIRE ASSY., Battery to Engine Ground (18 & 20 HP)
9	1916964	2	LOCKWASHER, Spring, 1/4
10	1916622	2	NUT, Hex, 1/4-20
11		1	PLATE, Switch, Headlight (See Ref. No. 48)
12		2	NUT, Hex, Headlight Switch, 7/16-32 (See Ref. No. 48)
13	1917356	2	LOCKWASHER, Spring, 5/16 (Qty. 3 used on 16 HP)
14	1917372	2	NUT, Hex, 5/16-18 (Qty. 3 used on 16 HP)
15	1933979	1	CLIP
16	1705146	1	SWITCH ASSY., Safety, Seat
17	1921880	2	LOCKWASHER, External Tooth, 1/4
18	1960357	2	SCREW, Round Hd., 1/4-20 x 3/4
19	157245	2	CLAMP
20	1710462	1	SWITCH, Interlock, PTO
21	1927429	2	SCREW, Taptite, 1/4-20 x 5/8
22	1676952	2	CLAMP, Wire
23	1704379	1	SWITCH, Interlock (Pedal Start)
24	1654664	1	REFLECTOR ASSY.
*25		1	BULB, #199
26	1654662	2	GASKET
27	1665933	1	LENS, Clear Plastic
28	1705103	1	HARNESS ASSY., Wheel Steer
29	1665934	1	HEADLIGHT ASSY. (Incl. Ref. Nos. 24-28)
30	172434	1	CLIP (Qty. 3 used on 16 HP)
31	172100	1	CONNECTOR BODY
32	1705105	1	WIRING ASSY., Harness to Engine (16 HP)
33	122023	1	BOOT
34	926917	1	CLAMP, Wire (16 HP)
35	1921971	1	CAPSCREW, Hex, 5/16-18 x 3/4 (16 HP)
36	1921333	1	CAPSCREW, Hex, 5/16-18 x 1
37	1701522	1	WIRE ASSY., Solenoid to Starter (16 HP)
	1612060	1	WIRE ASSY., Solenoid to Starter (18 & 20 HP)
38	1920263	2	NUT, Hex, 5/16-24
39	1917356	2	LOCKWASHER, Spring, 5/16
40	1665237	1	WIRE, Circuit Breaker to Solenoid
41	1665238	1	CIRCUIT BREAKER
42	1685290	1	SOLENOID
43		1	SWITCH, Ignition (See Ref. No. 47)
44	918906	1	LOCKWASHER, Internal Tooth, 5/8
45	122234	1	NUT, Hex, 5/8-32
46	122203	1	KEYS & RING
47	1674244	1	IGNITION SWITCH ASSY. (Incl. Ref. Nos. 43-46)
48	122184	1	SWITCH ASSY., Headlight (Incl. Ref. Nos. 11, 12)

*Obtain locally.

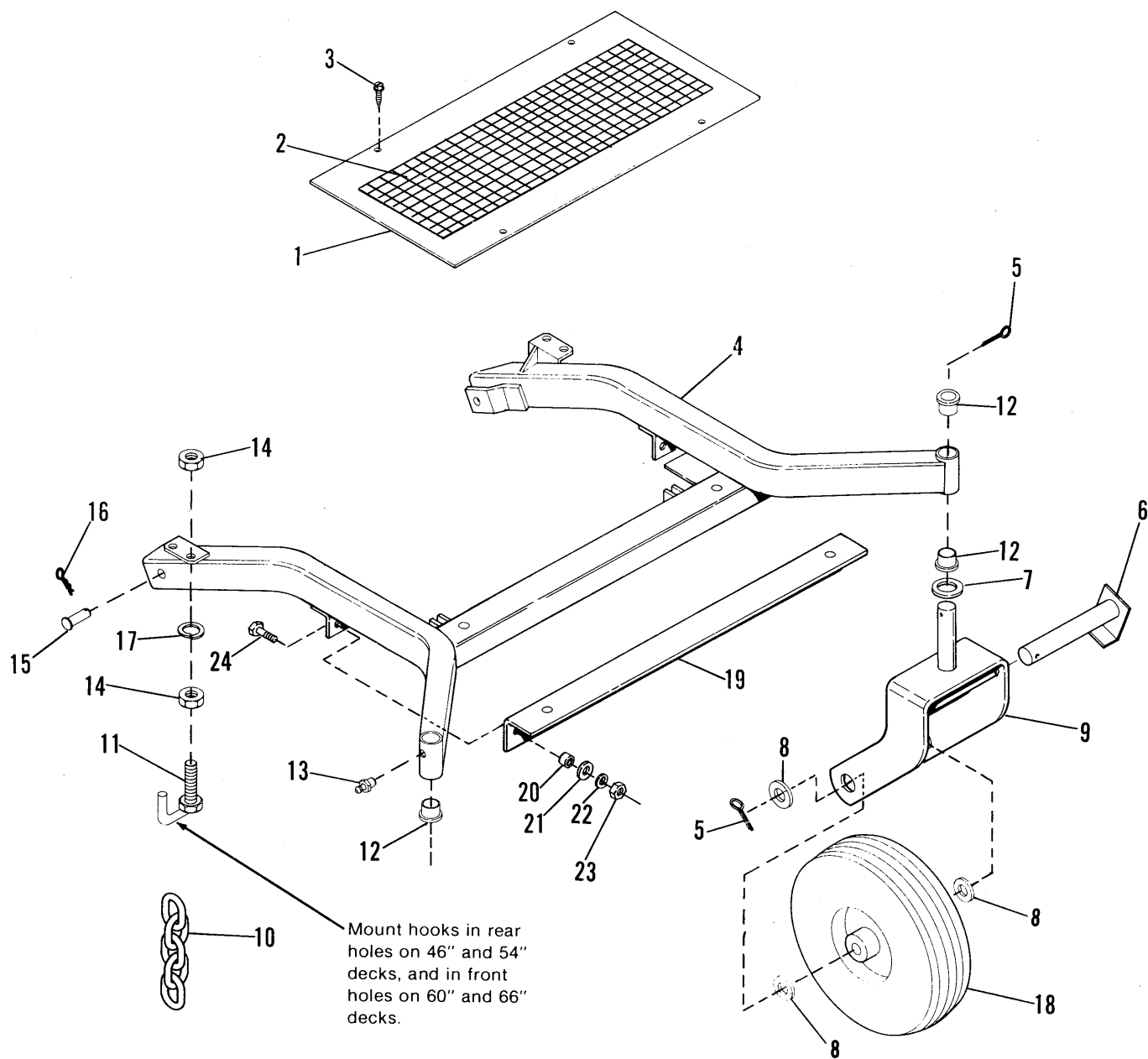
**2202



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1921332	7	CAPSCREW, Hex, 5/16-18 x 3/4
2	1917356	7	LOCKWASHER, Spring, 5/16
3	1919326	7	WASHER, Plain, 5/16
4	1705712	1	TUNNEL EXTENSION ASSY.
5	1924856	4	SCREW, Taptite, 5/16-18 x 1/2 (Qty. 2 used on 46" Mower)
6	1712575	1	GUARD, L.H.
7	71685416	1	HOUSING ASSY., 46"
	71685417	1	HOUSING ASSY., 54"
	71685418	1	HOUSING ASSY., 60"
	71685419	1	HOUSING ASSY., 66"
8	1712576	1	GUARD, R.H. (54", 60", 66" Mowers)
9	1705713	1	DEFLECTOR ASSY.

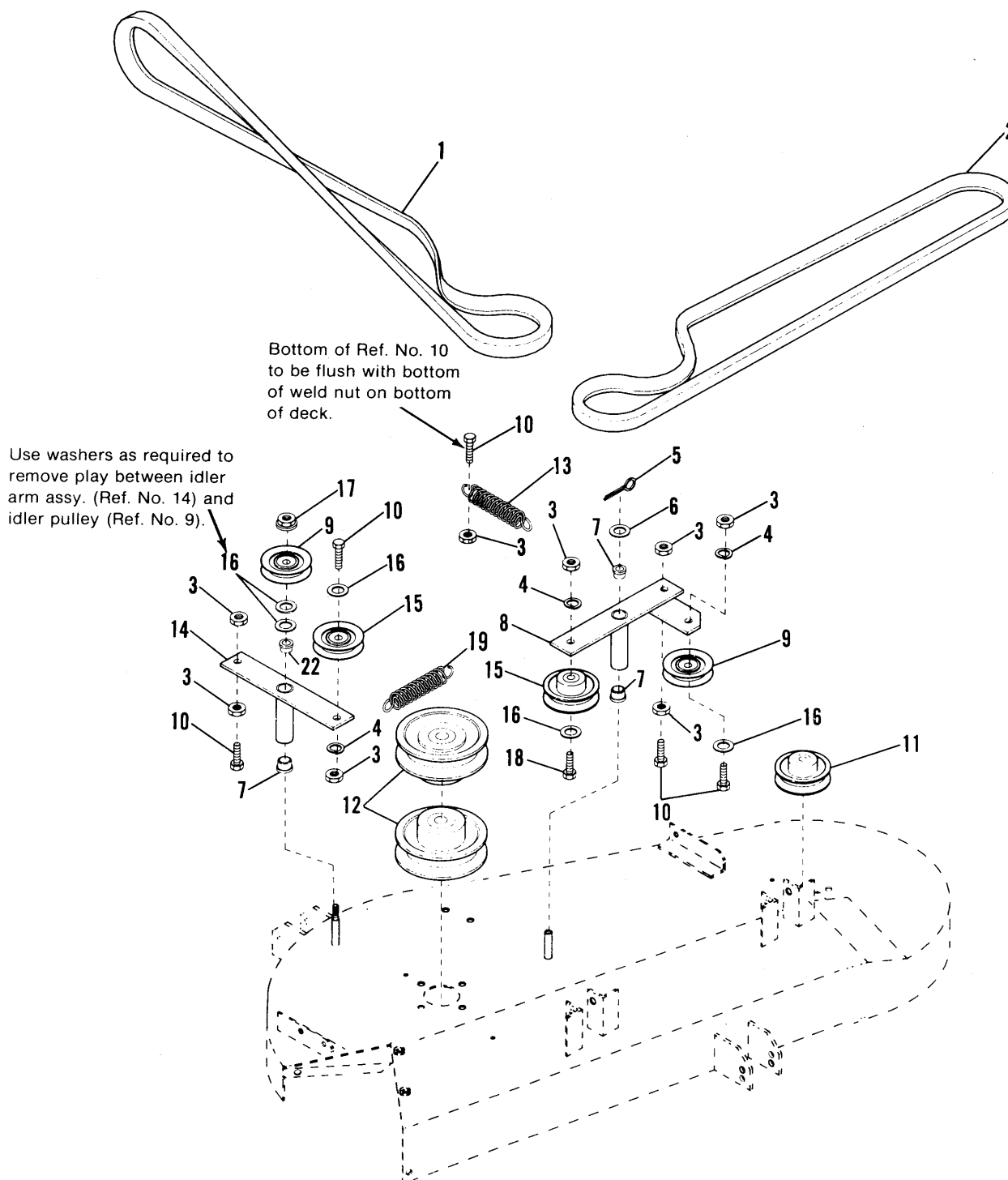
2203



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1706378	1	COVER, 46" Mower
	1706376	1	COVER, 54" Mower
	1706377	1	COVER, 60" & 66" Mower
2	1712472	1	PAD, Non-Skid
3	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
4	71705984	1	MOWER FRAME ASSY., 46" Mower
	71705460	1	MOWER FRAME ASSY., 54" Mower
	71705955	1	MOWER FRAME ASSY., 60" Mower
	71705963	1	MOWER FRAME ASSY., 66" Mower
5	1918452	4	COTTER PIN
6	1706621	2	AXLE ASSY.
7	960181	4	WASHER, Plain
8	1960114	6	WASHER, Plain
9	1705951	2	CASTER ASSY.
10	1711696	2	CHAIN, Lift
11	1711698	2	HOOK ASSY.
12	156316	4	BEARING, Spindle
13	921133	2	FITTING, Grease (Press Fit)
14	1916951	4	NUT, Hex, 1/2-13
15	1960064	2	CLEVIS PIN
16	1960098	2	COTTER HAIRPIN
17	1916966	2	LOCKWASHER, Spring, 1/2
18	1705434	2	TIRE ASSY., 4.10/3.50 x 4
19	1706372	1	BRACKET, Support
20	153081	1	SPACER
21	1924940	2	WASHER, Flat
22	1916965	2	LOCKWASHER, Spring
23	1916950	2	NUT, Hex, 3/8-16
24	1920415	2	CAPSCREW, Hex, 3/8-16 x 1-1/4"

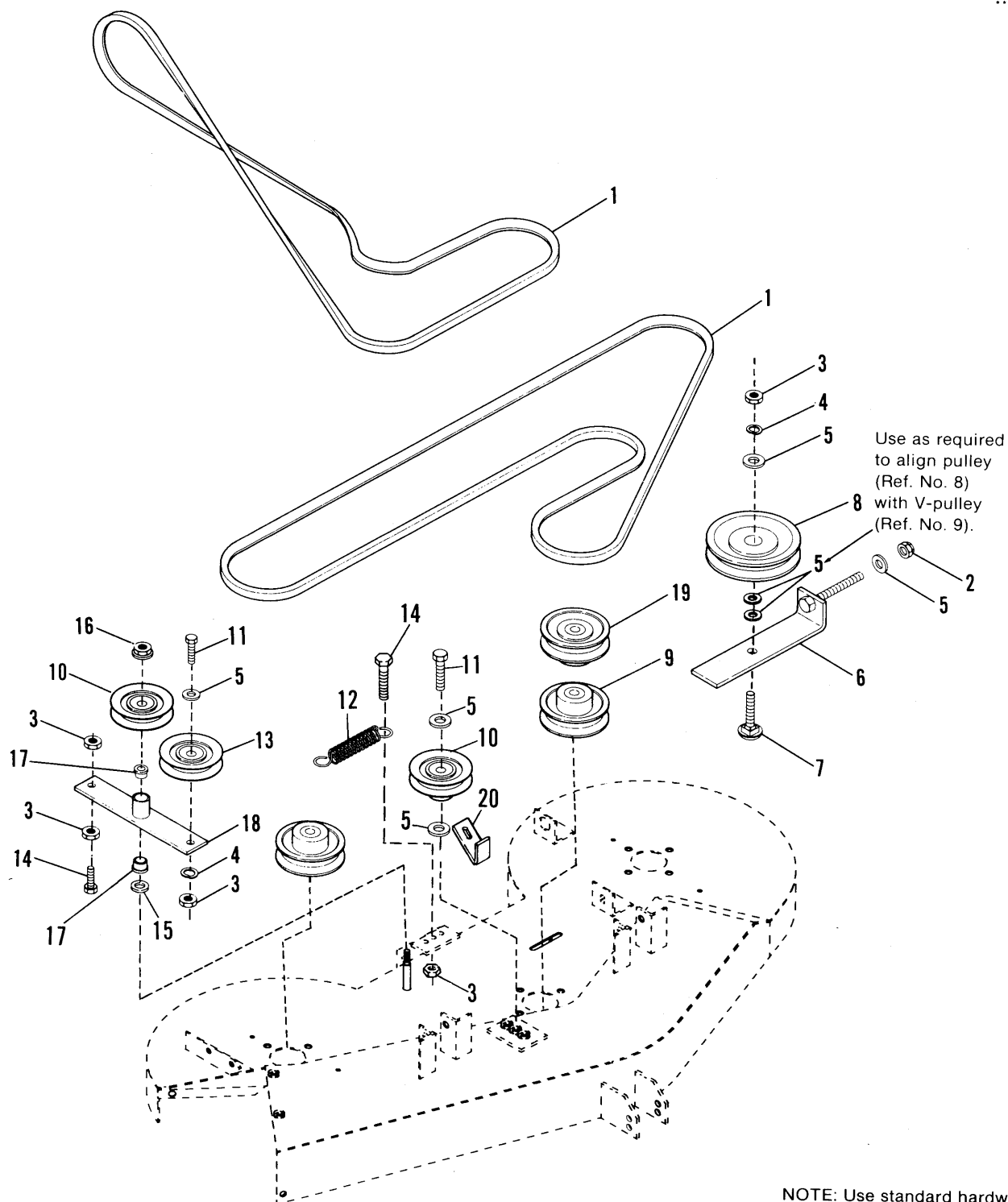
**2204



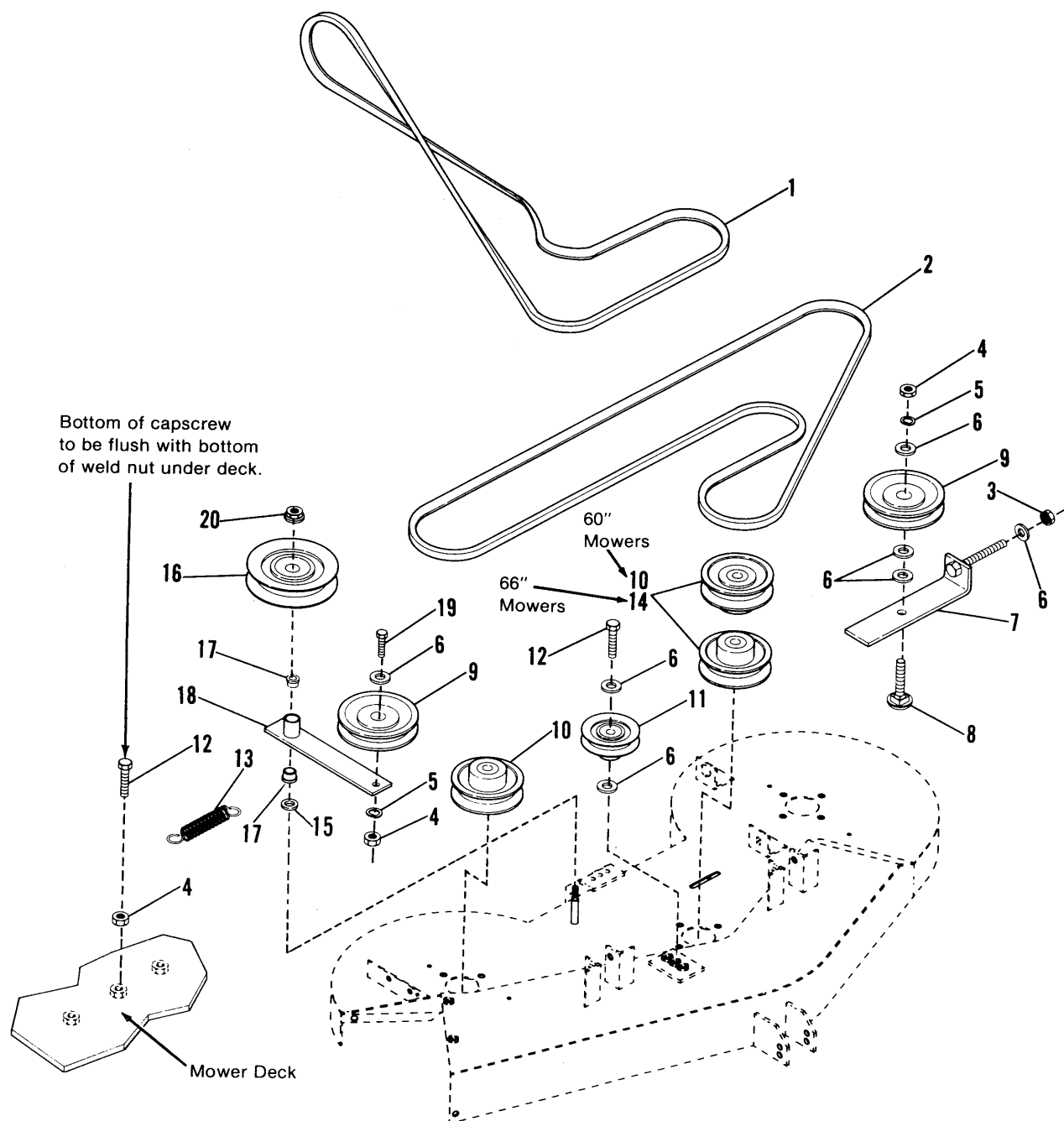
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1712482	1	V-BELT, Mower
2	1712481	1	V-BELT, Mower
3	1916950	11	NUT, Hex, 3/8-16
4	1916965	3	LOCKWASHER, Spring, 3/8
5	1918451	1	COTTER PIN
6	1960206	2	WASHER, Plain
7	1710005	4	BEARING, Nylon, Flanged
8	1711662	1	MOWER IDLER ARM ASSY.
9	1710024	2	V-PULLEY, Idler, 3" dia.
10	1921969	5	CAPSCREW, Hex, 3/8-16 x 1-1/2
11	1711141	1	V-PULLEY, Drive
12	1711167	2	V-PULLEY, Drive
13	1710025	1	SPRING, Extension
14	1711666	1	IDLER ARM ASSY.
15	1710539	2	PULLEY, Idler, Backside 3-1/2" dia.
16	1924940	3	WASHER, Plain
17	1930645	1	NUT, Lock, Hex, Flanged, 3/8-16
18	1921971	1	CAPSCREW, Hex, 3/8-16 x 1-3/4
19	154369	1	SPRING, Tension

**2205



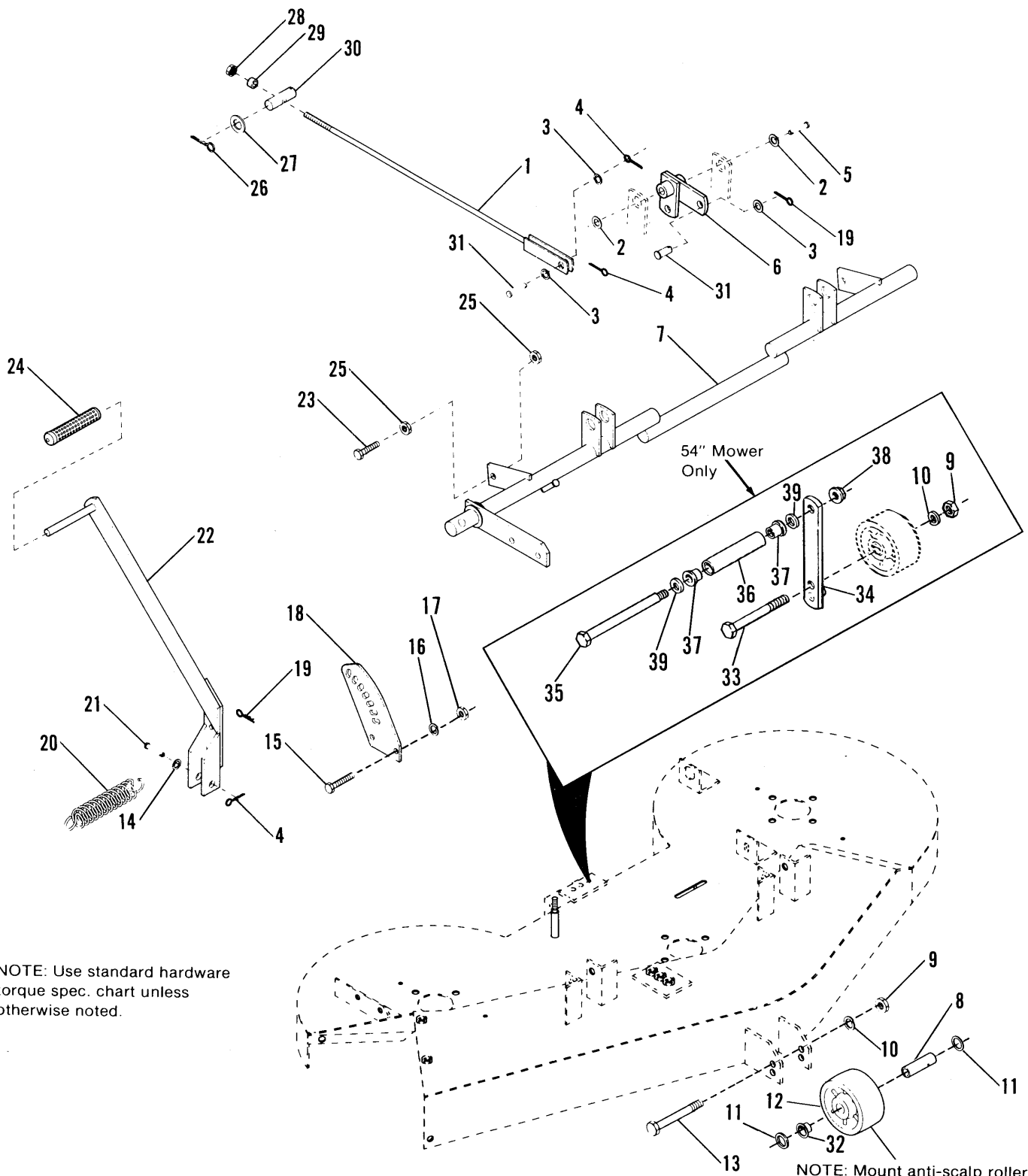
Ref. No.	Part No.	Qty.	Description
1	1711777	2	V-BELT, Mower
2	1919439	1	NUT, Fiber Lock, 3/8-16
3	1916950	7	NUT, Hex, 3/8-16
4	1916965	5	LOCKWASHER, Spring, 3/8
5	1924940	8	WASHER, Plain
6	1711774	1	DRAW BRACKET ASSY.
7	1960315	1	CARRIAGE BOLT, 3/8-16 x 2
8	1711775	1	V-PULLEY, Idler
9	1711141	3	V-PULLEY, Drive
10	1710024	2	V-PULLEY, Idler
11	1921971	2	CAPSCREW, Hex, 3/8-16 x 1-3/4
12	154369	1	SPRING, Extension
13	1710539	1	PULLEY, Idler, Backside 3-1/2" dia.
14	1921969	4	CAPSCREW, Hex, 3/8-16 x 1-1/2
15	1960027	5	WASHER, Plain (Use as required)
16	1930645	1	NUT, Lock, Hex, Flanged, 3/8-16
17	1710005	2	BEARING, Nylon, Flanged
18	1711967	1	IDLER ARM ASSY.
19	1710009	1	V-PULLEY, Drive
20	1710081	1	RETAINER, Belt



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1712595	1	V-BELT, Mower
2	1712937	1	V-BELT, Mower (60" Mower)
	1712596	1	V-BELT, Mower (66" Mower)
3	1919439	1	LOCKNUT, Fiber, 3/8-16
4	1916950	6	NUT, Hex, 3/8-16
5	1916965	5	LOCKWASHER, Spring, 3/8
6	1924940	8	WASHER, Plain
7	1711774	1	DRAW BRACKET ASSY.
8	1960315	1	CARRIAGE BOLT, 3/8-16 x 2
9	1711775	2	PULLEY, Idler, Backside, 4" dia.
10	1711141	4	V-PULLEY, Drive (60" Mower)
		2	V-PULLEY, Drive (66" Mower)
11	1710545	1	V-PULLEY, Idler, 4" dia.
12	1921971	1	CAPSCREW, Hex, 3/8-16 x 1-3/4
13	154369	1	SPRING, Extension
14	1711167	2	V-PULLEY, Drive (66" Mower only)
15	1960027	5	WASHER, Plain
16	1713038	1	V-PULLEY, Idler
17	1710005	2	BEARING, Nylon, Flanged
18	1712601	1	IDLER ARM ASSY.
19	1921972	1	CAPSCREW, Hex, 3/8-16 x 2-1/2
20	1930645	1	NUT, Lock, Hex, Flanged, 3/8-16

**2207

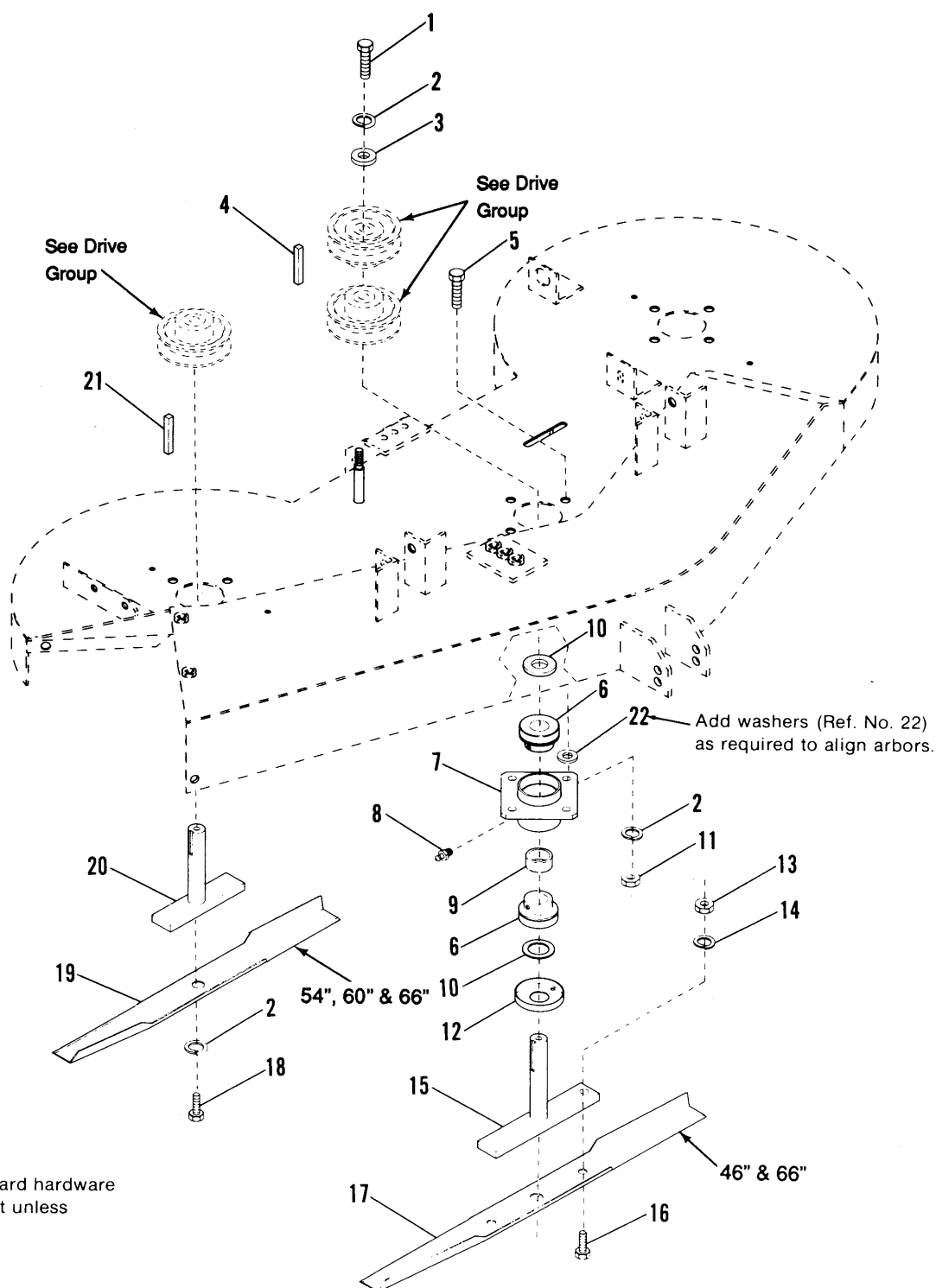


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

NOTE: Mount anti-scalp roller in top hole of bracket.

Ref. No.	Part No.	Qty.	Description
1	1712478	2	ADJUSTING ROD ASSY. (46" Mower)
	1712008	2	ADJUSTING ROD ASSY. (54", 60" & 66" Mower)
2	1960027	6	WASHER, Plain
3	1960206	8	WASHER, Plain
4	1918451	5	COTTER PIN
5	1603602	2	CLEVIS PIN, 1/2 x 2-3/4
6	1706225	2	HANGER ASSY.
7	1705745	1	SHAFT ASSY., Lift (46" Mower)
	1705715	1	SHAFT ASSY., Lift (54" Mower)
	1705741	1	SHAFT ASSY., Lift (60" Mower)
	1705743	1	SHAFT ASSY., Lift (66" Mower)
8	1712547	3	SPACER (46" Mower)
		2	SPACER (54" & 60" Mower)
		4	SPACER (66" Mower)
9	1916951	3	NUT, Hex, 1/2-13 (46" Mower)
		2	NUT, Hex, 1/2-13 (54" & 60" Mower)
		4	NUT, Hex, 1/2-13 (66" Mower)
10	1916966	3	LOCKWASHER, Spring, 1/2 (46" Mower)
		2	LOCKWASHER, Spring, 1/2 (54" & 60" Mower)
		4	LOCKWASHER, Spring, 1/2 (66" Mower)
11	1960114	12	WASHER, Plain (46" Mower)
		8	WASHER, Plain (54" & 60" Mower)
		16	WASHER, Plain (66" Mower)
12	1685440	3	WHEEL, Gauge, 4" Dia. (46" Mower) (Incl. Ref. No. 32)
		2	WHEEL, Gauge, 4" Dia. (54" & 60" Mower) (Incl. Ref. No. 32)
		4	WHEEL, Gauge, 4" Dia. (66" Mower) (Incl. Ref. No. 32)
13	1960286	3	CAPSCREW, Hex, 1/2-13 x 3-1/2 (46" Mower)
		2	CAPSCREW, Hex, 1/2-13 x 3-1/2 (54" & 60" Mower)
		4	CAPSCREW, Hex, 1/2-13 x 3-1/2 (66" Mower)
14	1960206	2	WASHER, Plain
15	1920415	2	CAPSCREW, Hex, 3/8-16 x 1-1/4
16	1916965	2	LOCKWASHER, Spring, 3/8
17	1916950	2	NUT, Hex, 3/8-16
18	1711718	1	PLATE, Height Adjusting
19	1918196	3	COTTER HAIRPIN
20	1710025	1	SPRING, Extension
21	1711773	1	CLEVIS PIN, 1/2 x 2
22	1712010	1	HANDLE ASSY., Left
23	1921969	2	CAPSCREW, Hex, 3/8-16 x 1-1/2
24	1710434	1	GRIP, Handle
25	1916950	4	NUT, Hex, 3/8-16
26	1918452	2	COTTER PIN
27	960181	4	WASHER, Plain
28	1930651	2	NUT, Fiber Lock, 3/8-16
29	1667133	2	SPACER (46" Mower)
	1710554	2	SPACER (54", 60", 66" Mowers)
30	1710475	2	TRUNNION
31	1710298	4	CLEVIS PIN, 1/2 x 1-1/4
32	1712827	3	BEARING (46" Mower)
		2	BEARING (54" & 60" Mowers)
		4	BEARING (66" Mower)
33	1926158	1	CAPSCREW, Hex Hd., 1/2-13 x 4 (54" Mowers only)
34	1706531	1	BRACKET, Roller (54" Mower only)
35	1706532	1	BOLT, Shoulder (54" Mower only)
36	1706533	1	TUBE, Pivot (54" Mower only)
37	1704505	2	BUSHING, Flanged (54" Mower only)
38	1931211	1	NUT, Flange Whizlock, 3/8-16 (54" Mower only)
39	1960206	2	WASHER, Plain

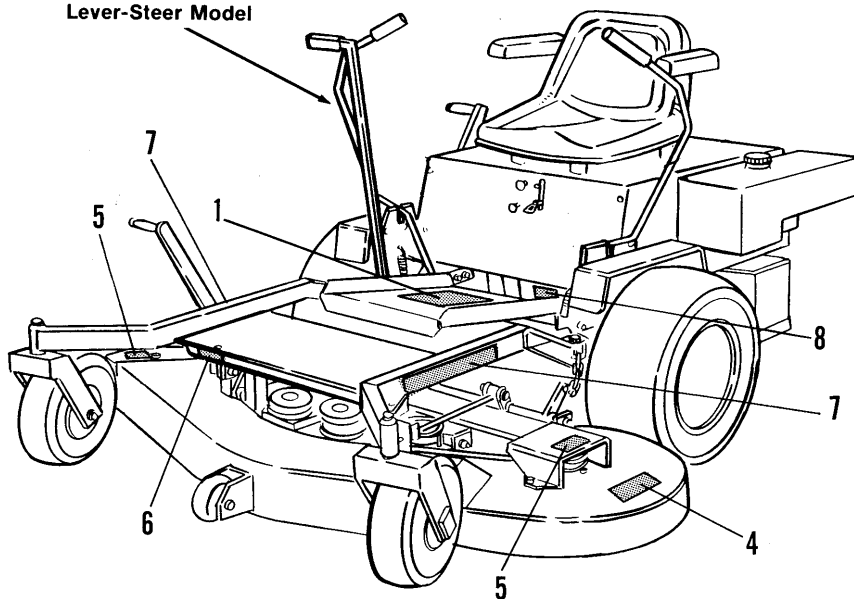
**2209



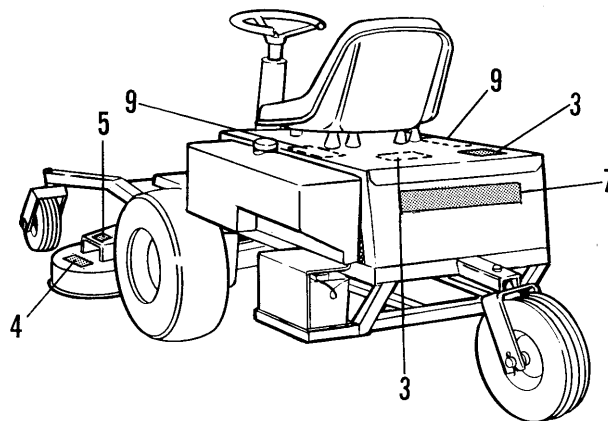
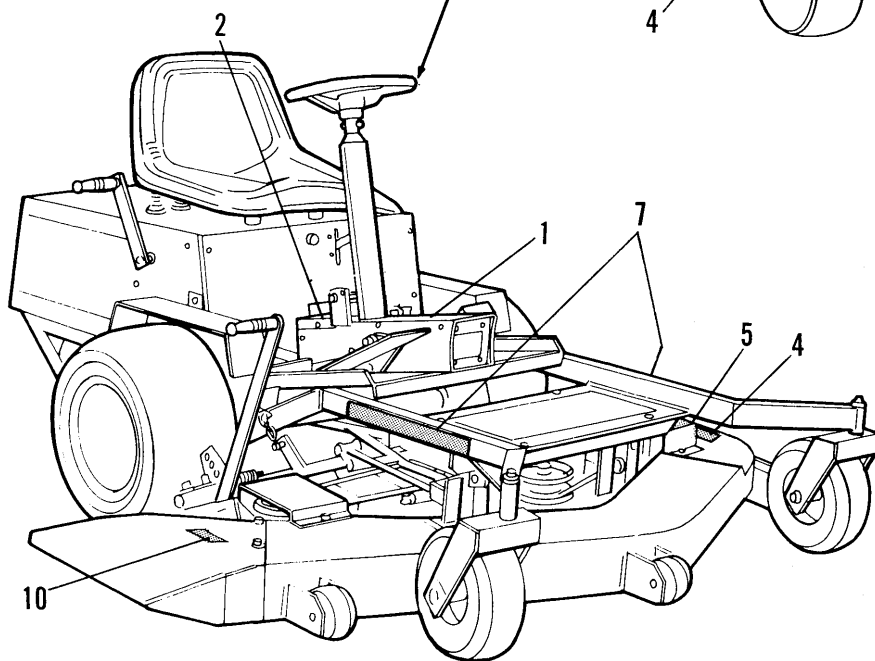
Ref. No.	Part No.	Qty.	Description
1	927008	3	CAPSCREW, Hex, 3/8-24 x 1 (Qty. 2 used on 46" Mower)
2	1916965	11	LOCKWASHER, Spring, 3/8 (46" Mower)
		18	LOCKWASHER, Spring, 3/8 (54" & 60" Mower)
		17	LOCKWASHER, Spring, 3/8 (66" Mower)
3	1960009	3	WASHER, Plain (Qty. 2 used on 46" Mower)
4	960281	1	KEY, Square, 1/4 x 1/4 x 1-3/4
5	1920415	12	CAPSCREW, Hex, 3/8-16 x 1-1/4 (Qt. 8 used on 46" Mower)
6	1710602	6	BEARING, Ball (Qty. 4 used on 46" Mower)
7	1711131	3	HOUSING ASSY., Arbor (Qty. 2 used on 46" Mower)
8	921133	3	FITTING, Grease (Press Fit) (Qty. 2 used on 46" Mower)
9	1711133	3	SPACER, Bearing (Qty. 2 used on 46" Mower)
10	1710287	6	WASHER, Plain (Qty. 4 used on 46" Mower)
11	1916950	12	NUT, Hex, 3/8-16 (Qty. 8 used on 46" Mower)
12	1706304	3	CUP (Qty. 2 used on 46" Mower)
13	1916951	2	NUT, Hex, 1/2-13 (46" & 66" Mowers only)
14	1916966	2	LOCKWASHER, Spring, 1/2 (46" & 66" Mowers only)
15	1712480	1	ARBOR ASSY., Long (46" & 66" Mowers only)
	1711657	1	ARBOR ASSY., Long (54" & 60" Mowers only)
16	1921176	2	CAPSCREW, Hex, 1/2-13 x 1-1/4 (46" & 66" Mowers only)
17	1705275	1	BLADE, Mower (46" & 66" Mowers only)
18	1921210	1	CAPSCREW, Hex, 3/8-16 x 1 (46" Mower)
		3	CAPSCREW, Hex, 3/8-16 x 1 (54" & 60" Mowers)
		2	CAPSCREW, Hex, 3/8-16 x 1 (66" Mower)
19	1705274	3	BLADE, Mower (54" Mower)
	1705273	1	BLADE, Mower (46" Mower)
		3	BLADE, Mower (60" Mower)
		2	BLADE, Mower (66" Mower)
20	1711137	2	ARBOR ASSY., Short (Qty. 1 on 46" Mower)
21	157652	2	KEY, Square, 1/4 x 1/4 x 1 (Qty. 1 on 46" Mower)
22	1924940	6	WASHER, Plain (Qty. 4 on 46" Mower)

*2090
*2091
*2125

Lever-Steer Model



Wheel-Steer Model

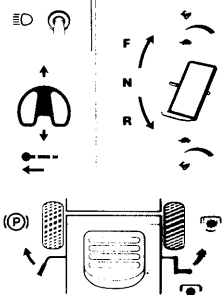


Ref. No.	Part No.	Qty.	Description
1	1704966	1	DECAL, Caution & Controls (Wheel-Steer Models)
	1704967	1	DECAL, Caution & Controls (Lever-Steer Models)
2	1704968	1	DECAL, Starting Instructions (Wheel-Steer Models)
3	1704473	2	DECAL, Hot (Located under seat deck)
4	1704276	1	DECAL, Danger
5	1704904	1	DECAL, Width 46"
	1704902	1	DECAL, Width 54"
	1704903	1	DECAL, Width 60"
	1704908	1	DECAL, Width 66"
6		1	I.D. PLATE (Not Serviced)
7	1705427	3	DECAL, Deutz-Allis
8		1	I.D. PLATE (Not Serviced)
9	1705746	2	DECAL, Tow Control (Located on Hydro Pump Tow Latches)
10	1704277	1	DECAL, Danger
Not Shown			
	1704482	1	DECAL, Touch-up Paint
		1	DECAL, OPEI (Not Serviced)

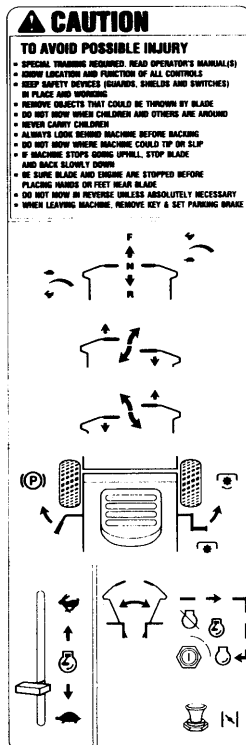
SAFETY DECALS

Lever-Steer
ModelsWheel-Steer
Models**CAUTION**

- TO AVOID POSSIBLE INJURY**
- SPECIAL TRAINING REQUIRED. READ OPERATOR'S MANUAL(S)
 - KNOW LOCATION AND FUNCTION OF ALL CONTROLS
 - KEEP SAFETY DEVICES (GUARDS, SHIELDS AND SWITCHES) IN PLACE AND WORKING
 - REMOVE OBJECTS THAT COULD BE THROWN BY BLADE
 - DO NOT MOW WHEN CHILDREN AND OTHERS ARE AROUND
 - NEVER CARRY CHILDREN
 - ALWAYS LOOK BEHIND MACHINE BEFORE BACKING
 - DO NOT MOW WHERE MACHINE COULD TIP OR SLIP
 - IF MACHINE STOPS GOING UPHILL, STOP BLADE AND BACK SLOWLY DOWN
 - BE SURE BLADE AND ENGINE ARE STOPPED BEFORE PLACING HANDS ON FEET NEAR BLADE
 - STEERING DIRECTION IN REVERSE IS OPPOSITE OF AUTOMOTIVE TYPE STEERING
 - DO NOT MOW IN REVERSE UNLESS ABSOLUTELY NECESSARY
 - WHEN LEAVING MACHINE, REMOVE KEY & SET PARKING BRAKE



Ref. No. 1



Ref. No. 1



Ref. No. 10

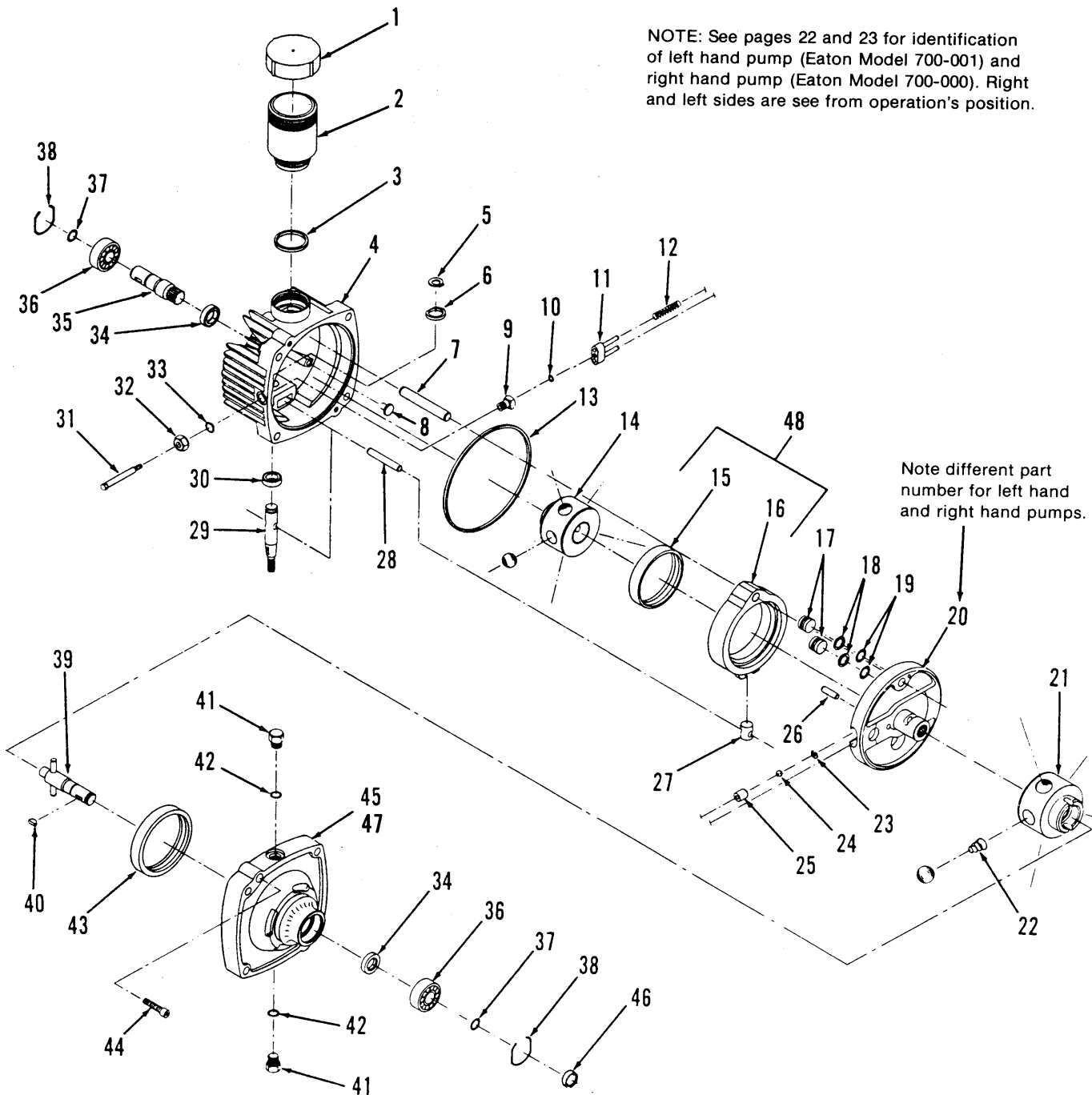


Ref. No. 4



Ref. No. 3

NOTE: See pages 22 and 23 for identification of left hand pump (Eaton Model 700-001) and right hand pump (Eaton Model 700-000). Right and left sides are see from operation's position.



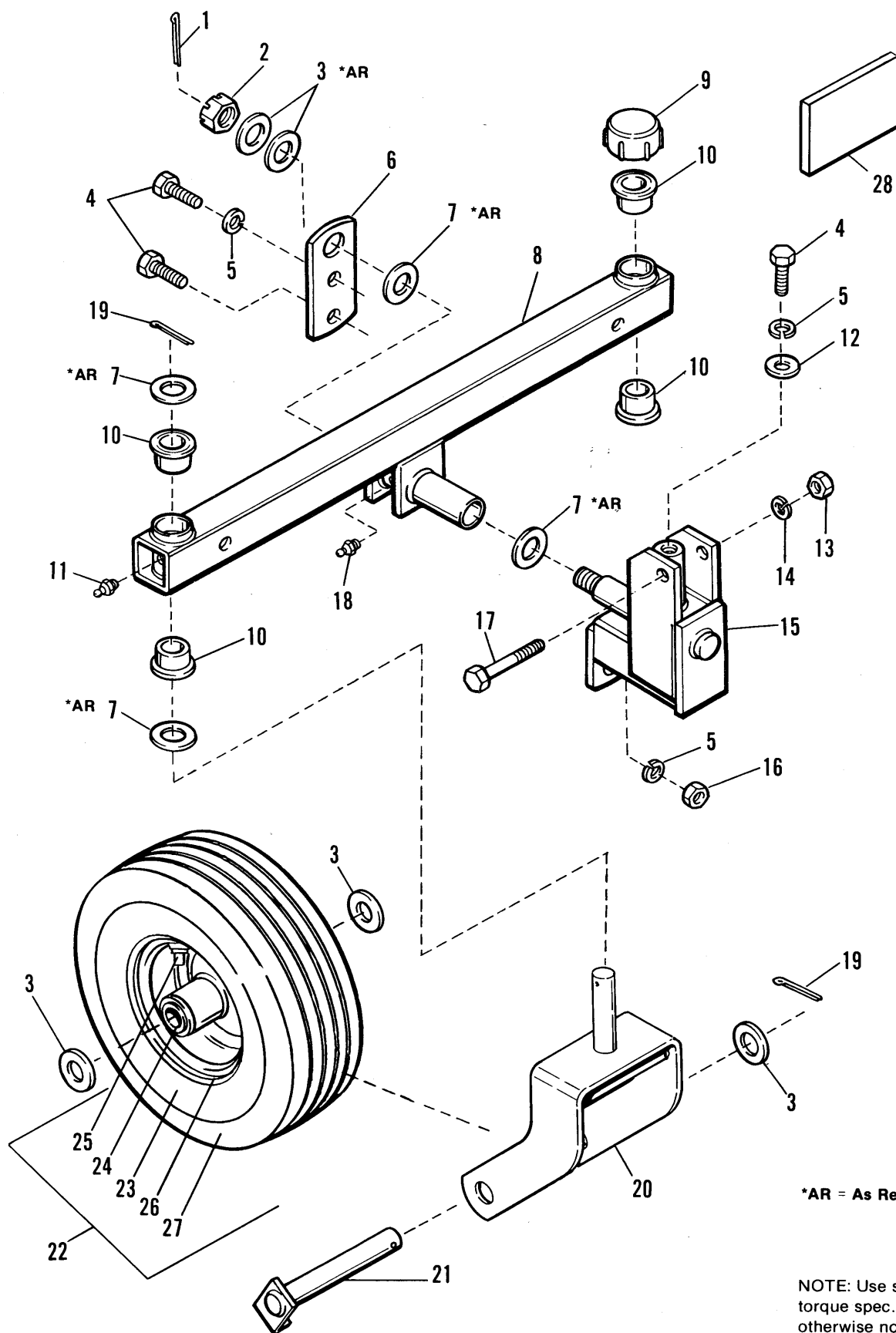
Ref. No.	Part No.	Qty.	Description
1	1700049	1	RESERVOIR COVER, Sub-Assy.
2	1700050	1	RESERVOIR BODY
**3	1671282	1	SEAL RING, Square Cut
4	1671283	1	COVER, Service Kit (Includes Ref. Nos. 5, 6, 7, 28, 29, 30 & 34)
5	1671591	1	RING, External Retaining
6	1671284	1	WASHER, Control Shaft
*7		1	DOWEL, Pivot Pin (Included in Ref. No. 4)
8	1671285	1	BUTTON
9	1671286	1	FITTING GUIDE, O-Ring, S.A.
**10	1671287	1	O-RING
11	1671586	1	BRACKET, Pins, Sub-Assy.
12	1671587	2	SPRING, Valve
**13	1671288	1	SEAL RING, Square Cut
14	1671289	1	PUMP ROTOR, Ball, Sub-Assy.
*15		1	PUMP RACE (Included in Ref. No. 50)
*16		1	RING, Cam (Included in Ref. No. 50)
*17		2	PISTON (Included in Ref. No. 20)
*18		2	RING, Back-Up (Included in Ref. No. 20)
*19		2	O-RING (Included in Ref. No. 20)
20	1706084	1	PINTLE, Sub-Assy. (Used on RH Eaton Pump - Model 700-000) (Incl. Ref. Nos. 17, 18, 19, 23, 24, 25, 26)
	1671290	1	PINTLE, Sub-Assy. (Used on LH Eaton Pump - Model 700-001) (Incl. Ref. Nos. 17, 18, 19, 23, 24, 25, 26)
21	1671291	1	MOTOR ROTOR, Ball, Sub-Assy. (Includes Qty. 5 of Ref. No. 22)
22	1671302	5	SPRING, Piston
*23		2	RING, Retaining (Included in Ref. No. 20)
*24		2	BALL, Grade 200 (5/16 Dia.) (Included in Ref. No. 20)
*25		2	VALVE BODY, Check (Included in Ref. No. 20)
*26		1	PIN, Coil (5/16 x 3/4) (Included in Ref. No. 20)
27	1671301	1	CAM RING, Insert
*28		1	DOWEL (3/8 x 1-3/4) (Included in Ref. No. 4)
*29		1	SHAFT, Control (Included in Ref. No. 4)
30	1671300	1	SEAL, Oil
31	1671299	1	SHAFT, Dump Valve
32	1671298	1	NUT, Gasket, Sub-Assy.
**33	1671297	1	O-RING
**34	1671296	2	SEAL, Oil
35	1671295	1	SHAFT, Input
36	1671294	2	BEARING, Ball (Input)
37	1671293	2	RING, Snap
38	927695	2	RING, Retaining
39	1671309	1	OUTPUT SHAFT, Sub-Assy.
40		1	KEY, Woodruff (See Page 13, Ref. No. 14)
41	1671303	2	O-RING, Sub Assy.
**42	1671304	2	TUBE FITTING, O-Ring
43	1671589	1	MOTOR RACE
44	1671310	2	CAPSCREW, Socket Hd.
45	1671305	1	BODY
46	1671306	1	SPACER
47	1671590	1	BODY, Sub-Assy. (Includes Ref. Nos. 34, 36, 37, 38, 39, 43 & 45)
48	1671588	1	CAM RING, Sub-Assy. (Incl. Ref. Nos. 15 & 16)

*Not Serviced Separately.

**Available in 1685260 Replacement Seal Kit.

NOTE: Use *Simplicity* Brand Multi-Purpose Hydraulic/Transmission Oil in hydro transmission.

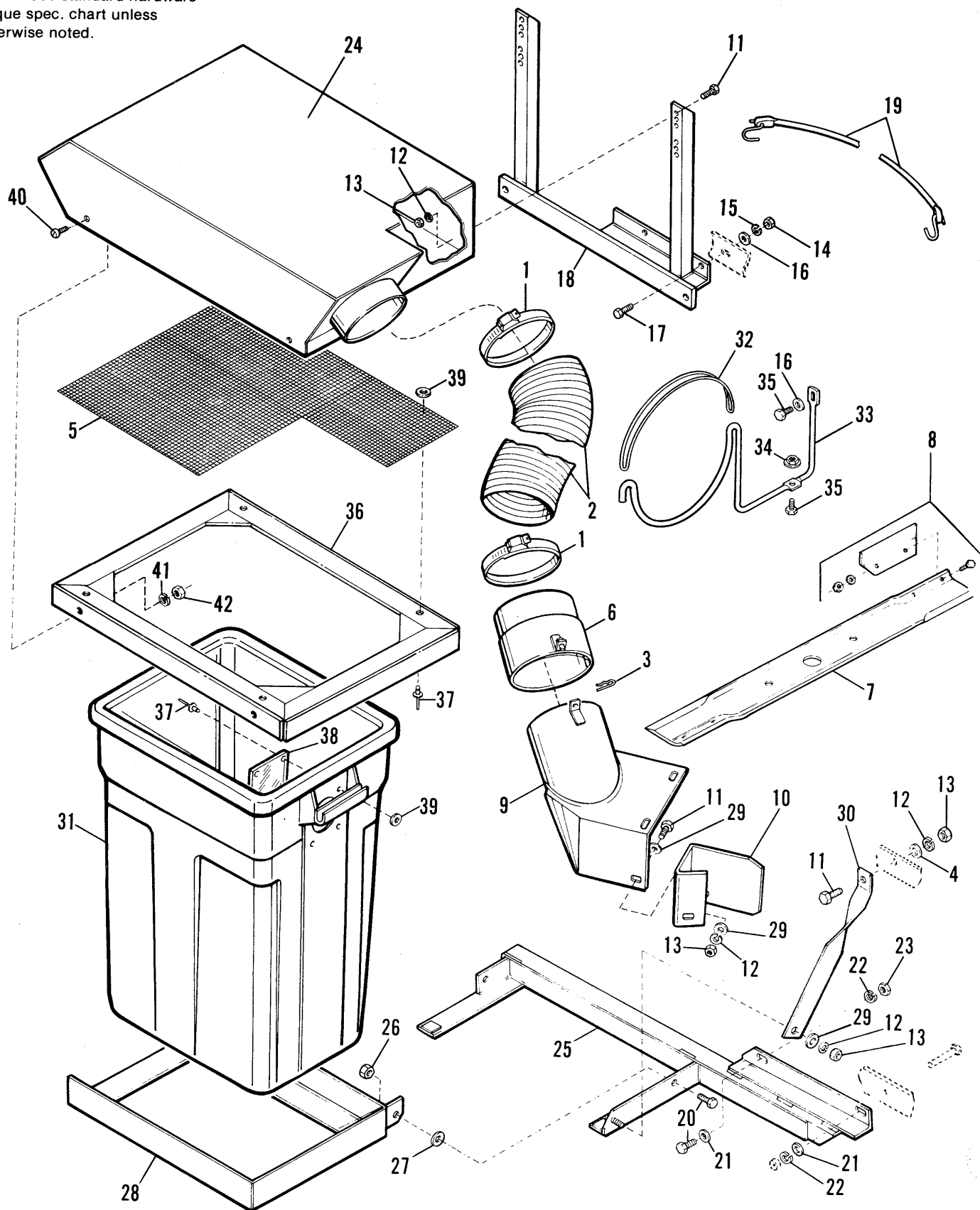
..2121



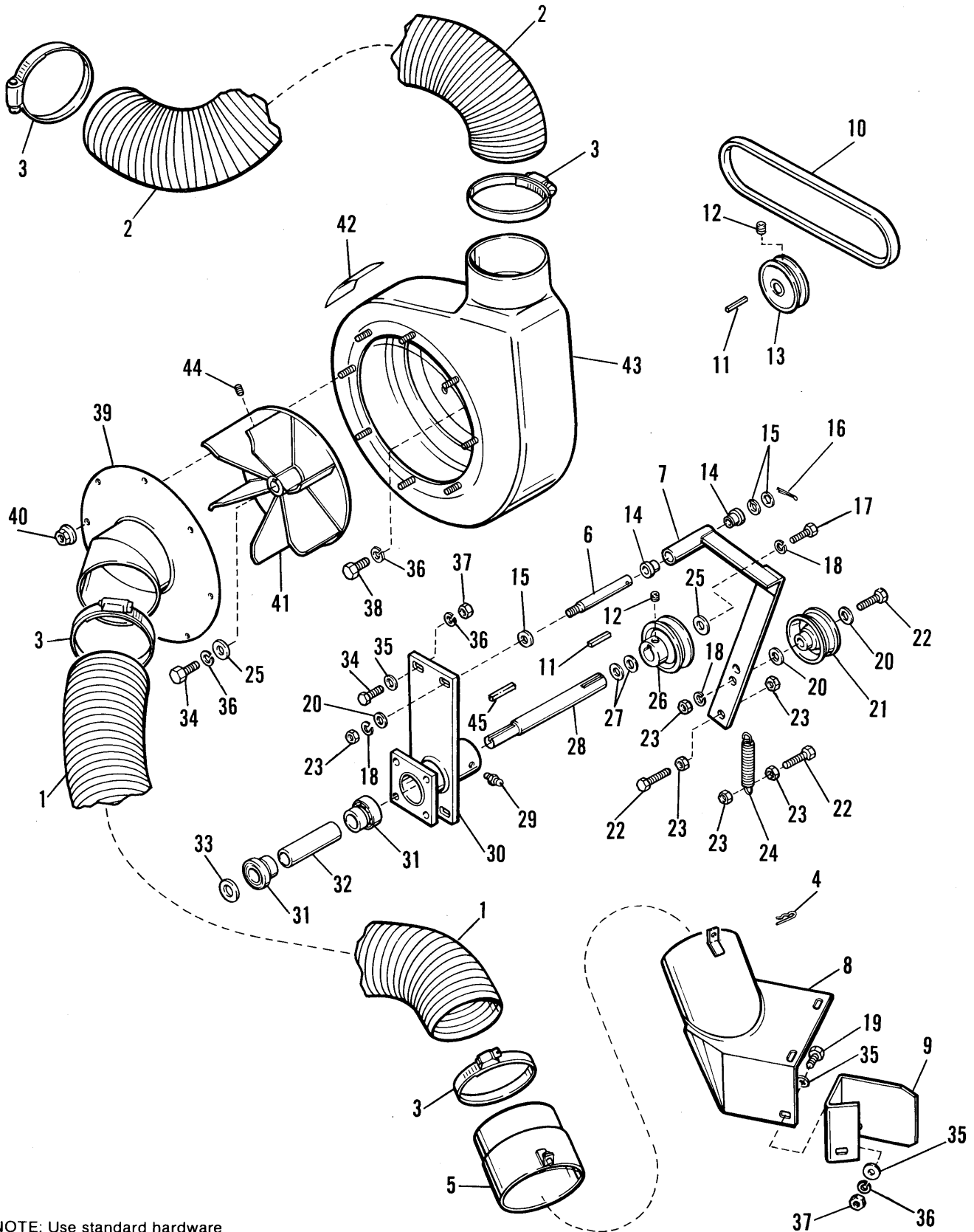
Ref. No.	Part No.	Qty.	Description
1	918454	1	PIN, Cotter
2	1960387	1	NUT, Castle
3	960181	6	WASHER, 3/4" I.D. x 1" O.D.
4	1921176	3	CAPSCREW, Hex, 1/2-13 x 1-1/4
5	1916966	3	LOCKWASHER, Spring, 1/2
6	1712674	1	PLATE, Support
7	1710287	7	WASHER, 1" I.D. x 1-1/2" O.D.
8	1705137	1	AXLE ASSY.
9	1673333	2	CAP, Plastic
10	1710286	4	BEARING
11	912808	2	FITTING, Grease
12	1676435	1	WASHER, 1/2" I.D. x 1-1/4" O.D.
13	1916950	1	NUT, Hex, 3/8-16
14	1916965	1	LOCKWASHER, 3/8
15	1712667	1	PIVOT SHAFT ASSY.
16	1916951	1	NUT, Hex, 1/2-13
17	1923938	1	CAPSCREW, Hex, 3/8-16 x 3-1/2
18	921133	1	FITTING, Grease
19	1918459	3	PIN, Cotter
20	1705954	1	CASTER ASSY.
21	1706620	1	PIN AXLE ASSY.
22	1705539	1	WHEEL & TIRE ASSY.
23	*1664090	1	TUBE
24	1712288	2	BEARING, Flanged
25	172353	1	VALVE STEM
26	1705760	1	WHEEL ASSY.
27	1713048	1	TIRE
28		1	I.D. PLATE (Not Serviced)

***NOTE:** *Simplicity* Brand Tire Sealant can be used to repair tires in place of tubes.
See inside front cover of this manual for part number.

NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

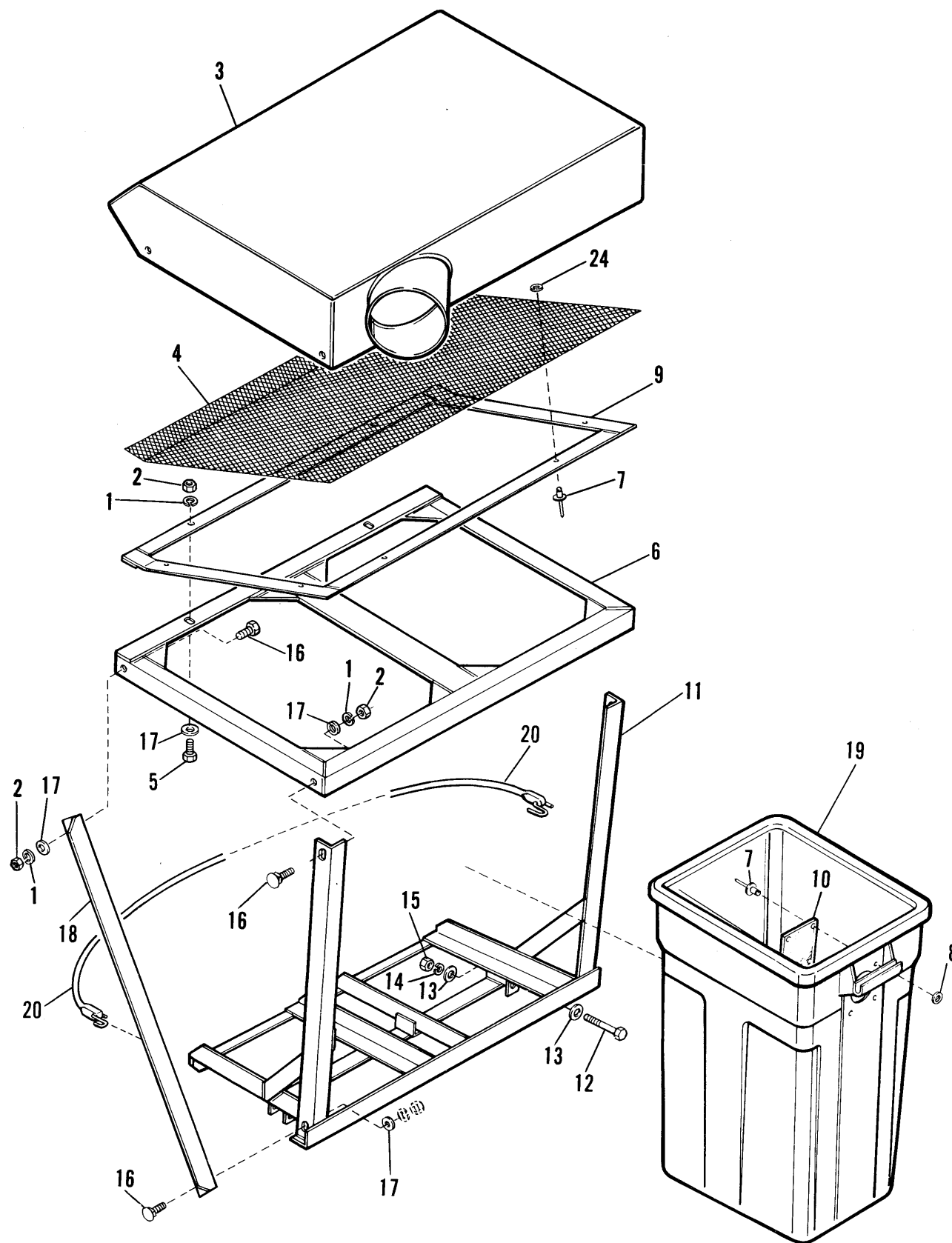


Ref. No.	Part No.	Qty.	Description
1	1679896	2	CLAMP, Hose
2	1669967	1	HOSE, Blower, 41"
3	1918196	1	HAIRPIN, Cotter
4	1960044	1	WASHER, Plain
5	1711952	1	SCREEN
6	1712874	1	TUBE ASSY., Adapter
7	1711793	1	BLADE, Mower
8	1712446	1	AIR LIFT KIT, Mower Blade
9	1712879	1	BOOT ASSY., Discharge
10	1712894	1	ADAPTER BOOT
11	1921332	7	CAPSCREW, Hex, 5/16-18 x 3/4
12	1917356	8	LOCKWASHER, Spring, 5/16
13	1917372	8	NUT, Hex, 5/16-18
14	1916622	2	NUT, Hex, 1/4-20
15	1916964	2	LOCKWASHER, 1/4
16	1921319	2	WASHER, Plain
17	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
18	1712124	1	BUMPER ASSY.
19	1711937	1	STRAP
20	1921210	3	CAPSCREW, Hex, 3/8-16 x 3/4
21	1924940	2	WASHER, Plain
22	1916965	2	LOCKWASHER, Spring, 3/8
23	1916950	1	NUT, Hex, 3/8-16
24	1711939	1	HOOD ASSY.
25	1712123	1	FRAME ASSY., Mounting
26	1922694	2	NUT, Hex, Fiber Lock, 3/8-16
27	1924940	2	WASHER, Plain
28	1712122	1	TRAY ASSY.
29	1919326	3	WASHER, Plain
30	1712201	1	STRAP, Grass Catcher
31	1711938	1	CONTAINER, 30 Gallon
32	1665872	1	STRAP, Tie
33	1705772	1	ROD, Tube Support
34	1960294	1	NUT, Hex Whiz, 1/4-20
35	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
36	1712121	1	TOP FRAME ASSY.
37	1673320	12	RIVET, Pop
38	1712280	1	WINDOW
39	1910531	12	WASHER, Plain, Rivet
40	1960392	12	SCREW, Pan Hd., #10-24 x 1/2
41	1917365	4	LOCKWASHER, Spring, #10
42	1933896	4	NUT, Hex, #10-24



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

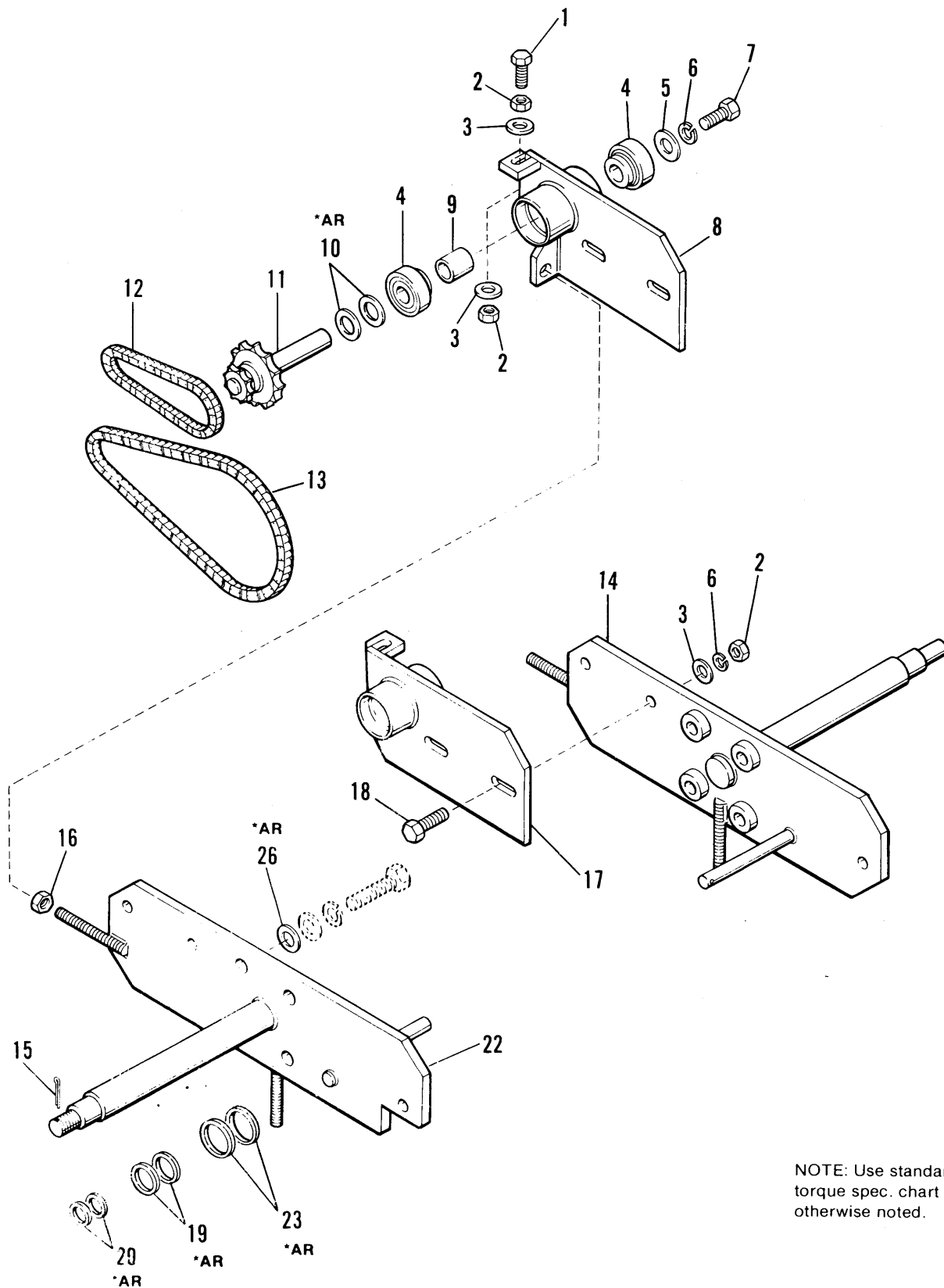
Ref. No.	Part No.	Qty.	Description
1	1678490	1	HOSE, Blower Housing, 44"
2	1711953	1	HOSE, Blower to Vac., 33"
3	1679896	4	CLAMP, Hose, 6" Dia.
4	1918196	1	HAIRPIN, Cotter
5	1712874	1	TUBE, Adapter Assy.
6	1712246	1	IDLER SHAFT
7	1712247	1	IDLER ARM ASSY.
8	1712879	1	DISCHARGE BOOT ASSY.
9	1712894	1	ADAPTER, Boot
10	1711901	1	V-BELT
11	157652	2	KEY, Sq., 1/4 x 1/4 x 1
12	1928691	2	SETSCREW, Socket Hd., 5/16-18 x 5/16
13	1707261	1	PULLEY, Drive
14	1710005	2	BEARING, Nylon
15	1960027	3	WASHER, Plain
16	1918451	1	PIN, Cotter, 1/8 x 3/4
17	927008	1	CAPSCREW, 3/8-24 x 1
18	1916965	3	LOCKWASHER, Spring, 3/8
19	1921332	1	CAPSCREW, Hex, 5/16-18 x 3/4
20	1924940	3	WASHER, Plain
21	1710539	1	IDLER PULLEY, Backside
22	1921971	3	CAPSCREW, Hex, 3/8-16 x 1-3/4
23	1916950	6	NUT, Hex, 3/8-16
24	1710025	1	SPRING
25	1960009	2	WASHER, Plain
26	1710009	1	V-PULLEY, Drive
27	1710287	2	WASHER, Plain
28	1712245	1	SHAFT, Blower
29	921133	1	FITTING, Grease
30	1712240	1	FRAME, Housing Assy.
31	1710602	2	BEARING, Ball, 1"
32	1712244	1	SPACER
33	960181	1	WASHER, Plain
34	1921333	4	CAPSCREW
35	1919326	3	WASHER, Plain
36	1917356	10	LOCKWASHER, Spring, 5/16
37	1917372	5	NUT, Hex, 5/16-18
38	1921332	6	CAPSCREW, Hex, 5/16-18 x 3/4
39	1712950	1	INLET, 6"
40	1960294	8	NUT, Whiz Flange, 1/4-20
41	1712949	1	BLOWER
42	1700259	1	DECAL, Danger
43	1712948	1	BLOWER HOUSING
44	924624	1	SETSCREW, 3/8-14 x 3/8
45	8221042	1	KEY, 3/16 x 3/16 x 1-1/2



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1917356	8	LOCKWASHER, Spring, 5/16
2	1917372	8	NUT, Hex, 5/16-18
3	1712267	1	HOOD ASSY.
4	1712279	1	SCREEN
5	1931333	2	CARRIAGE BOLT, 5/16-18 x 3/4
6	1712261	1	HOOD FRAME ASSY.
7	1673320	15	RIVET, Pop
8	1910531	8	WASHER, Plain
9	1712274	1	SCREEN FRAME ASSY.
10	1712280	2	WINDOW
11	1705304	1	CONTAINER SUPPORT ASSY.
12	1960286	2	CAPSCREW, Hex, 1/2-13 x 3-1/2
13	1924361	4	WASHER, Plain
14	1916966	2	LOCKWASHER, Spring, 1/2
15	1916951	2	NUT, Hex, 1/2-13
16	1931335	6	CARRIAGE BOLT, 5/16-18 x 1
17	1919326	10	WASHER, Plain
18	1705311	2	BRACE, Support
19	1711938	2	30 GALLON CONTAINER
20	1711937	1	STRAP

**2119



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

*AR = As Required

Ref. No.	Part No.	Qty.	Description
1	1933685	2	CAPSCREW, Hex, 3/8-16 x 2-1/2
2	1916950	8	NUT, Hex, 3/8-11
3	1924940	8	WASHER, 13/32" I.D. x 7/8" O.D.
4	1712038	4	BEARING, Ball
5	1960009	2	WASHER, 13/32" I.D. x 1-1/4" O.D.
6	1916965	6	LOCKWASHER, 3/8
7	927008	2	CAPSCREW, 3/8-24 x 1
8	1712742	1	HOUSING, Jackshaft, R.H.
9	1712067	2	SPACER
10	1710650	4	WASHER, 49/64" I.D. x 1-1/4" O.D.
11	1712747	2	JACKSHAFT ASSY.
12	1712750	2	CHAIN, 40 Pitch
13	1712751	2	CHAIN, 82 Pitch
14	1712733	1	AXLE PLATE ASSY., L.H.
15	918454	2	COTTER PIN
16	1919439	2	NUT, Hex Lock, 3/8-16
17	1712743	1	HOUSING, Jackshaft, L.H.
18	1920415	4	CAPSCREW, Hex, 3/8-16 x 1-1/4
19	1710287	6	WASHER, 1" I.D. x 1-1/2" O.D.
20	960181	6	WASHER, 3/4" I.D. x 1-15/16" O.D.
21	1918267	8	WASHER, 15/32" I.D. x 15/26" O.D.
22	1712732	1	AXLE PLATE ASSY., R.H.
23	1712764	8	WASHER, 1-1/8" I.D. x 1-3/4" O.D.

TORQUE SPECIFICATIONS FOR STANDARD MACHINE HARDWARE

TOLERANCE $\pm 20\%$

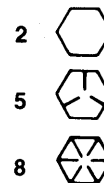
SIZE	SAE GRADE #2 	SAE GRADE #5 	SAE GRADE #8 
8-32	19 In. Lbs.	30 In. Lbs.	41 In. Lbs.
8-36	20 "	31 "	43 "
10-24	27 "	43 "	60 "
10-32	31 "	49 "	68 "
1/4-20	66 "	8 Ft. Lbs	12 Ft. Lbs.
1/4-28	76 "	10 "	14 "
5/16-18	11 Ft. Lbs	17 "	25 "
5/16-24	12 "	19 "	25 "
3/8-16	20 "	30 "	45 "
3/8-24	23 "	35 "	50 "
7/16-14	30 "	50 "	70 "
7/16-20	35 "	55 "	80 "
1/2-13	50 "	75 "	110 "
1/2-20	55 "	90 "	120 "
9/16-12	65 "	110 "	150 "
9/16-18	75 "	120 "	170 "
5/8-11	90 "	150 "	220 "
5/8-18	100 "	180 "	240 "
3/4-10	160 "	260 "	386 "
3/4-16	180 "	300 "	420 "
7/8-9	140 "	400 "	600 "
7/8-14	155 "	440 "	660 "
1-8	220 "	580 "	900 "
1-12	240 "	640 "	1,000 "

NOTE:

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - For prevailing torque locknuts - use 65% of grade 5 torques.
 - For flange whizlock nuts (and screws) - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

BOLT HEAD MARKING

S.A.E. GRADE:



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TP-1169
PRINTED IN U.S.A.
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