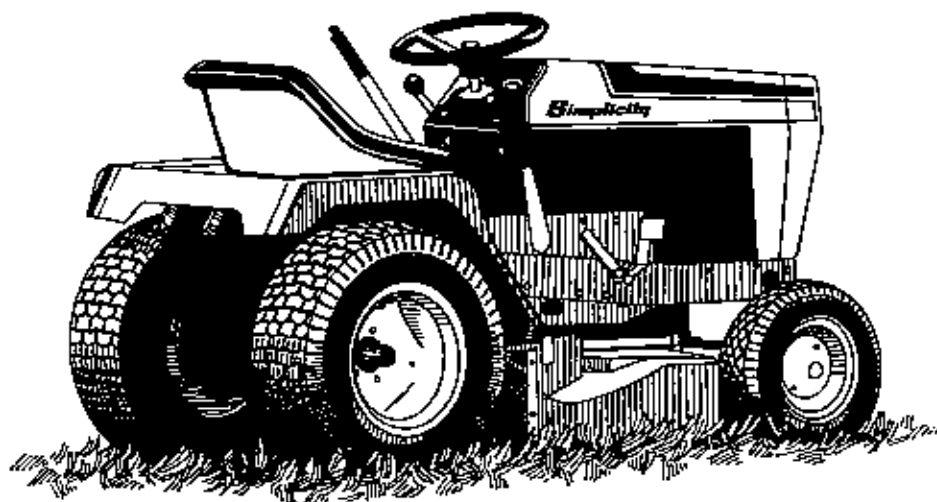


# Parts Manual 7100 Hydrostatic Series



- 14 H.P. TRACTOR  
W/TURF TIRES  
MFG. NO. 1690723
- 14 H.P. TRACTOR  
W/AGRICULTURAL TIRES  
MFG. NO. 1690747
- 16 H.P. TRACTOR  
W/TURF TIRES  
MFG. NO. 1690569
- 16 H.P. TRACTOR  
W/AGRICULTURAL TIRES  
MFG. NO. 1690570
- 17 H.P. TRACTOR  
W/TURF TIRES  
MFG. NO. 1690571
- 17 H.P. TRACTOR  
W/AGRICULTURAL TIRES  
MFG. NO. 1690572
- 19 H.P. TRACTOR  
W/TURF TIRES  
MFG. NO. 1690638
- 19 H.P. TRACTOR  
W/AGRICULTURAL TIRES  
MFG. NO. 1690640

- 12 H.P. TRACTOR  
W/TURF TIRES  
MFG. NO. 1690473
- 12 H.P. TRACTOR  
W/AGRICULTURAL TIRES  
MFG. NO. 1690751

TP 400-0843-04-SV-S

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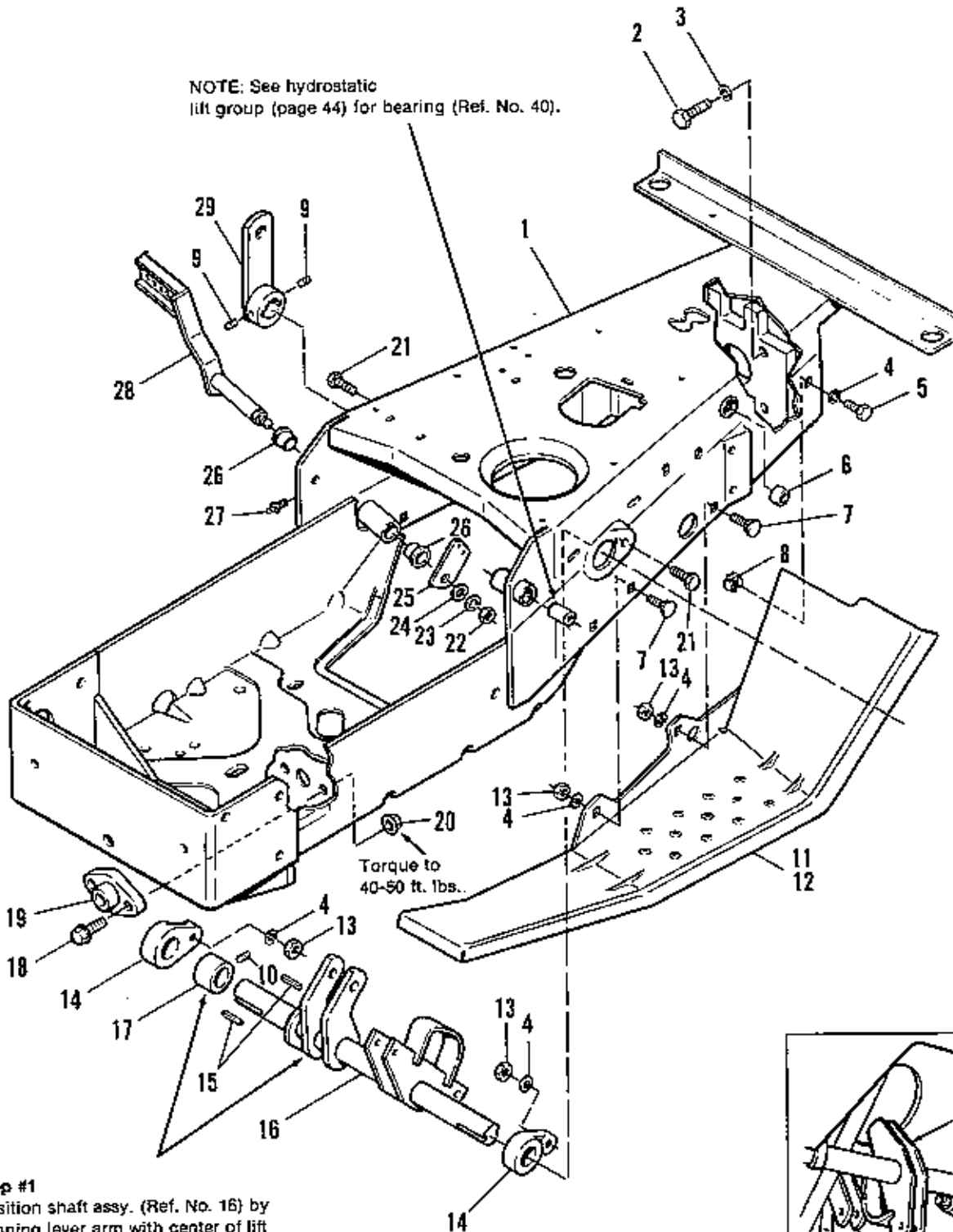
# **Simplicity**<sup>®</sup>



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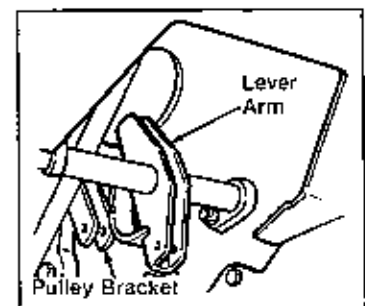
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NOTE: See hydrostatic lift group (page 44) for bearing (Ref. No. 40).



**Step #1**  
Position shaft assy. (Ref. No. 16) by aligning lever arm with center of lift cable pulley bracket on left hand side of frame. (See reference drawing.)

**Step #2**  
Secure shaft assembly in place w/set collar (Ref. No. 17) and setscrew (Ref. No. 10). Then install lift lever assy. (Ref. No. 29) on shaft assy. (Ref. No. 16) with no end play side to side.



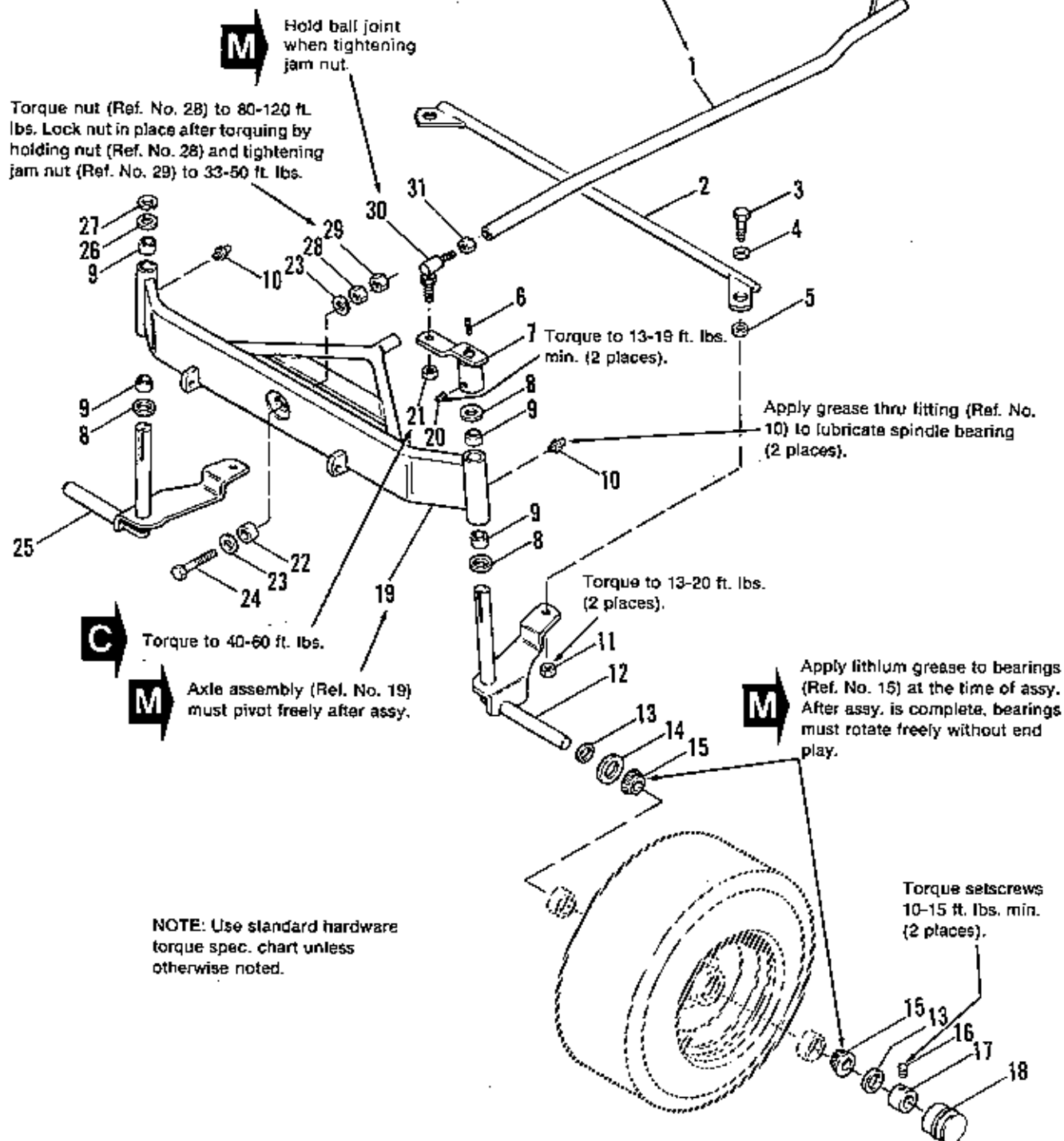
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
*1	1673065	1	FRAME ASSY., w/Bushings(7112,7114 & 7116 Only)
	1671380	1	FRAME ASSY., w/Bushings (7117 & 7119 Only)
2	921212	4	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
3	918199	4	LOCKWASHER, 7/16
4	917356	8	LOCKWASHER, 5/16
5	921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
6	174662	1	BUSHING
7	920562	4	BOLT, Carriage, 5/16-18 x 3/4
8	920470	2	NUT, Speed, 5/16-18
9	928734	2	SETSCREW, 5/16-18 x 1/4
10	928709	1	SETSCREW, 5/16-18 x 3/8
11	1665908	1	FOOTREST, LH
12	1665909	1	FOOTREST, RH
13	917372	6	NUT, Hex, Full, 5/16-18
14	170975	2	BEARING, Lift Lever
15	157652	2	KEY
16	1667271	1	SHAFT ASSY., Lift (7116, 7117 & 7119 Only)
	1663168	1	SHAFT ASSY., Lift (7112 & 7114 Only)
17	157624	1	COLLAR, Set
18	928727	2	SCREW, Hex, Whiz, Flange, 3/8-16 x 1-1/4
19	1653876	1	BEARING, Pivot
20	928352	2	LOCKNUT, Hex, Flange, 3/8-16
21	921977	2	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
22	916950	1	NUT, Hex, Full, 3/8-16
23	916965	1	LOCKWASHER, 3/8
24	917378	1	WASHER, Plain, 3/8
25	157300	1	ARM, Foot Pedal
26	108419	2	BUSHING
27	921133	1	FITTING, Grease
28	1657472	1	PEDAL ASSY., Foot
29	157625	1	LEVER ASSY., RH

\*Ref. No. 1 includes Ref. Nos. 6 & 27 and Lift Lever Bearing  
(See Ref. No. 40 on pages 44 & 45)

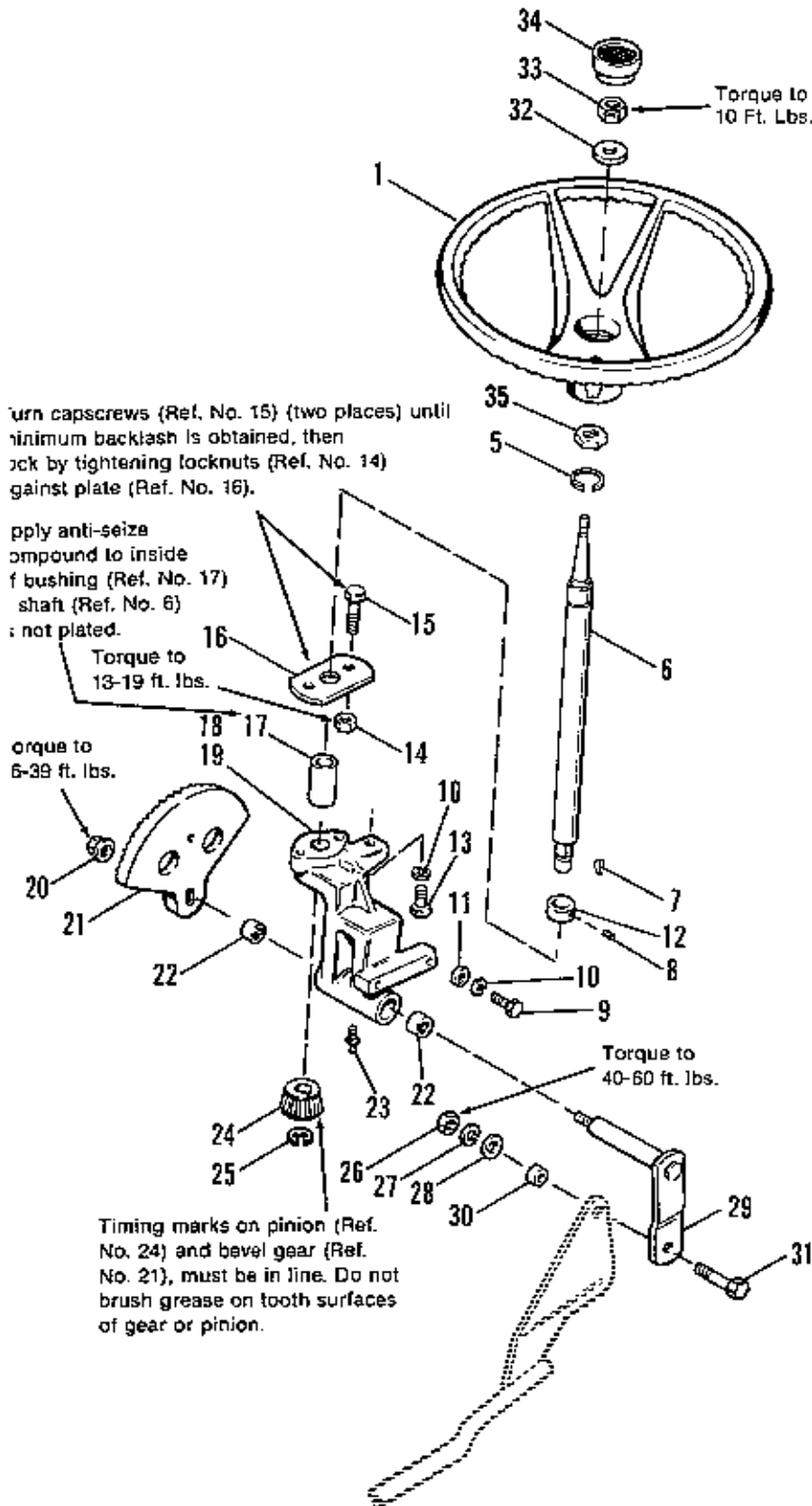
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Adjust length of drag link assy. (Ref. No. 1) by positioning end ball joint so that front wheels will be in the straight ahead position when the timing marks on the steering pinion and gear are aligned.



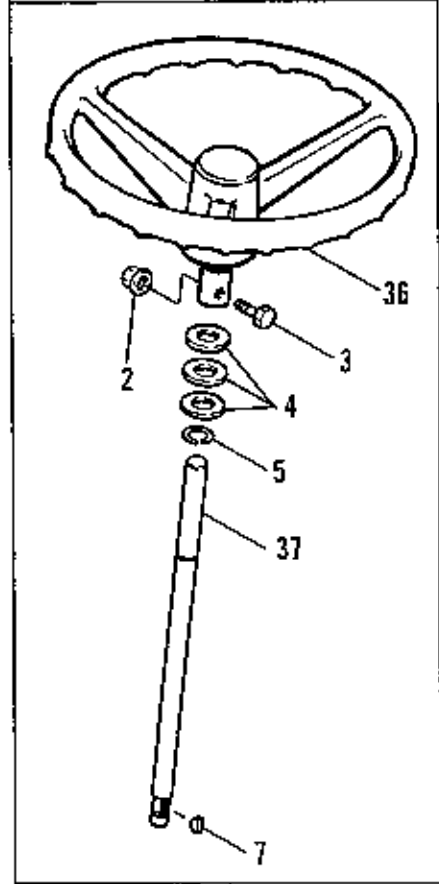
Ref. No.	Part No.	Qty.	Description
1	1666648	1	LINK ASSY., Drag
2	157499	1	ROD ASSY., Tie
3	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
4	917378	2	WASHER, Plain, 3/8
5	154177	2	SPACER
6	157427	2	KEY, Square
7	170998	1	ARM ASSY., Steering
8	108181	3	WASHER
9	154289	4	BUSHING
10	921133	2	FITTING, Grease
11	930651	2	LOCKNUT, Hex, 3/8-16
12	171774	1	SPINDLE ASSY., LH
13	171375	4	SPACER
14	170168	2	SEAL
15	154486	4	CONE, Bearing
16	928691	2	SETSCREW, 5/16-18 x 5/16
17	8021010	2	COLLAR, Set
18	154487	2	CAP, Hub
19	1650553	1	AXLE ASSY., Front
20	928721	2	SETSCREW, 5/16-18 x 1/2
21	930245	1	LOCKNUT, Hex, 1/2-20
22	157618	1	SPACER
23	918431	2	WASHER, Plain, 1/2
24	927459	1	CAPSCREW, Hex Hd., 1/2-13 x 2-1/4
25	157494	1	SPINDLE ASSY., RH
26	8061012	1	WASHER
27	927794	1	RING, Retaining
28	930648	1	LOCKNUT, Hex, 1/2-13
29	913744	1	LOCKNUT, Hex, Jam, 1/2-13
30	164272	1	BALL, Joint
31	919262	1	LOCKNUT, Hex, Jam, 1/2-20

NOTE: See page 70 for Wheel & Tire parts lists.



**Parts shown in box are used on:**

- 1890473 - used before s/n 1921
- 1690569 - used before s/n 1319
- 1690570 - used before s/n 1010
- 1690571 - used before s/n 1402
- 1690572 - used before s/n 1022
- 1690636 - used before s/n 1517
- 1690640 - used before s/n 1015
- 1690723 - used before s/n 1001



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



## Steering Group

**Simplicity**

Ref. No.	Part No.	Qty.	Description
1	1667108	1	WHEEL, Steering
2	935048	1	LOCKNUT, Hex, Flange, 5/16-18
3	921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
4	158223	3	WASHER
5	154264	1	RING, Retaining
6	1667691	1	SHAFT, Steering
7	910224	1	KEY, Woodruff, #6
8	928734	1	SETSCREW, 5/16-18 x 1/4
9	9219666	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
10	916965	3	LOCKWASHER, 3/8
11	917378	2	WASHER, Plain, 3/8
12	8021010	1	COLLAR, Set
13	921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
14	928731	2	LOCKNUT, Hex, Jam, 3/8-16
15	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
16	171000	1	PLATE, Steering
17	170992	1	BUSHING
18	1668625	1	HOUSING ASSY., Steering (Incl. Ref. Nos. 17 & 22)
19	170960	1	HOUSING, Steering
20	930650	1	LOCKNUT, Hex, Flange, 7/16-14
21	170987	1	GEAR, Bevel
22	154258	2	BEARING, Needle
23	914687	1	FITTING, Grease
24	170988	1	PINION, Bevel
25	927793	1	E-RING
26	916951	1	NUT, Hex, Full, 1/2-13
27	916966	1	LOCKWASHER, 1/2
28	918431	1	WASHER, Plain, 1/2
29	1666204	1	ARM ASSY., Steering
30	105051	1	SPACER
31	920328	1	CAPSCREW, Hex Hd., 1/2-13 x 1-1/2
32	117649	1	WASHER, Compression
33	923362	1	LOCKNUT, Hex, Cntr. 5/16-18
34	1657017	1	CAP, Steering Wheel
35	1667574	1	WASHER, Hex
36	1606342	1	WHEEL, Steering
37	171020	1	SHAFT, Steering

Parts used on pages 6 & 7 are used on following models. See pages 8 & 9 for later models.

Mfg. No. 1690473 - before serial no. 2768

Mfg. No. 1690569 - before serial no. 2822

Mfg. No. 1690571 - before serial no. 2853

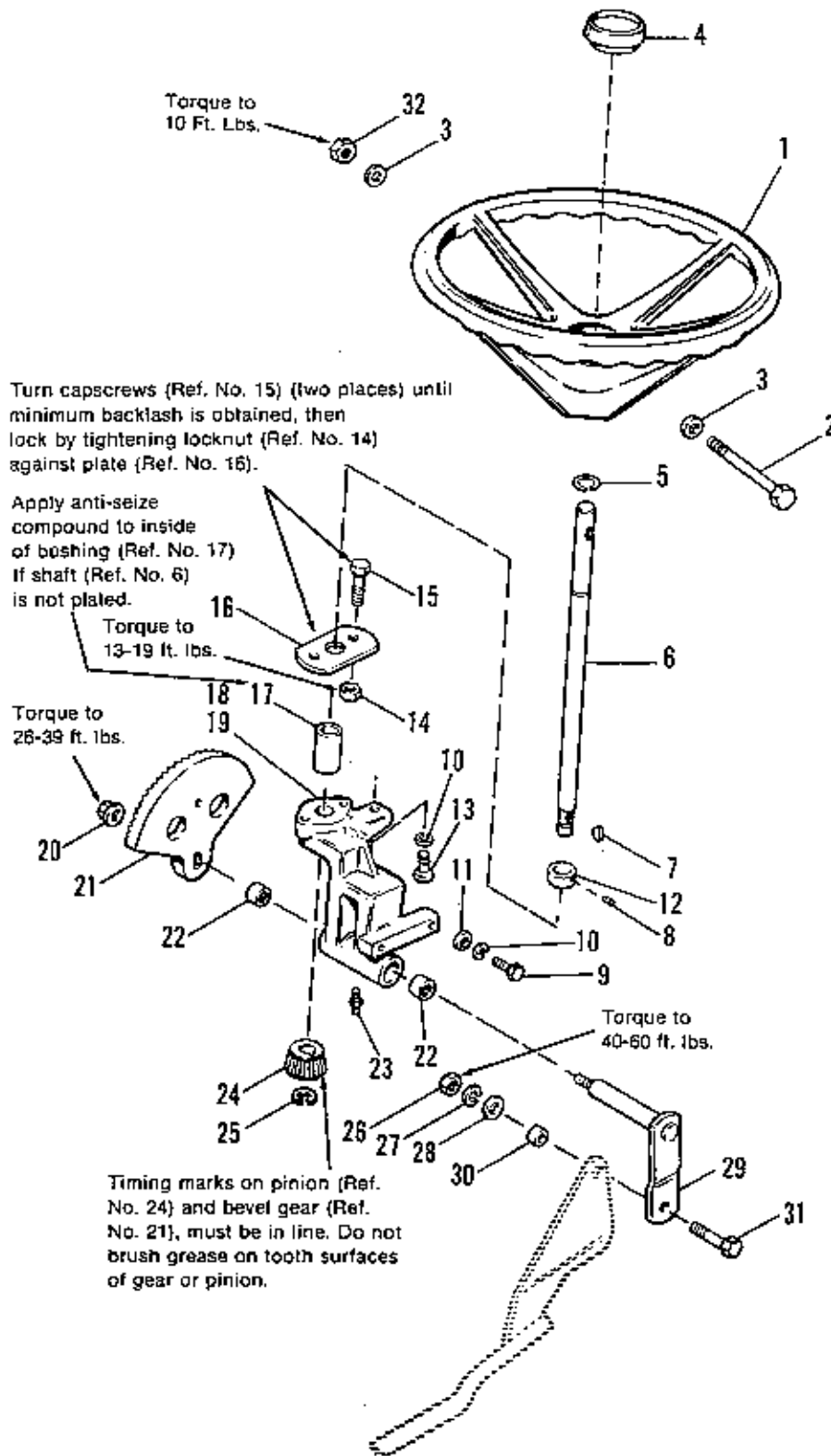
Mfg. No. 1690638 - before serial no. 2631

Mfg. No. 1690723 - before serial 2124

Mfg. No. 1690570 - all models

Mfg. No. 1690572 - all models

Mfg. No. 1690640 - all models



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

Ref. No.	Part No.	Qty.	Description
1	1670989	1	WHEEL, Steering
2	925690	1	BOLT, Hex, 5/16 x 3-1/2
3	919326	2	WASHER, 5/16
4	1657017	1	CAP, Steering Wheel
5	154264	1	RING, Retaining
6	1673008	1	SHAFT, Steering
7	910224	1	KEY, Woodruff, #6
8	928734	1	SETSCREW, 5/16-18 x 1/4
9	921986	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
10	916965	3	LOCKWASHER, 3/8
11	917378	2	WASHER, Plain, 3/8
12	8021010	1	COLLAR, Set
13	921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
14	928731	2	LOCKNUT, Hex, Jam, 3/8-16
15	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
16	171000	1	PLATE, Steering
17	170992	1	BUSHING
18	1668625	1	HOUSING ASSY., Steering (Incl. Ref. Nos. 17 & 22)
19	170960	1	HOUSING ASSY., Steering
20	930650	1	LOCKNUT, Hex, Flange, 7/16-14
21	170987	1	GEAR, Bevel
22	154258	2	BEARING, Needle
23	914687	1	FITTING, Grease
24	170988	1	PINION, Bevel
25	927793	1	E-RING
26	916951	1	NUT, Hex, Full, 1/2-13
27	916966	1	LOCKWASHER, 1/2
28	918431	1	WASHER, Plain, 1/2
29	1666204	1	ARM ASSY., Steering
30	105051	1	SPACER
31	920328	1	CAPSCREW, Hex Hd., 1/2-13 x 1-1/2
32	923362	1	LOCKNUT, Hex, Cntr. 5/16-18

Parts used on pages 8 & 9 are used on the following. For other models see page 6.

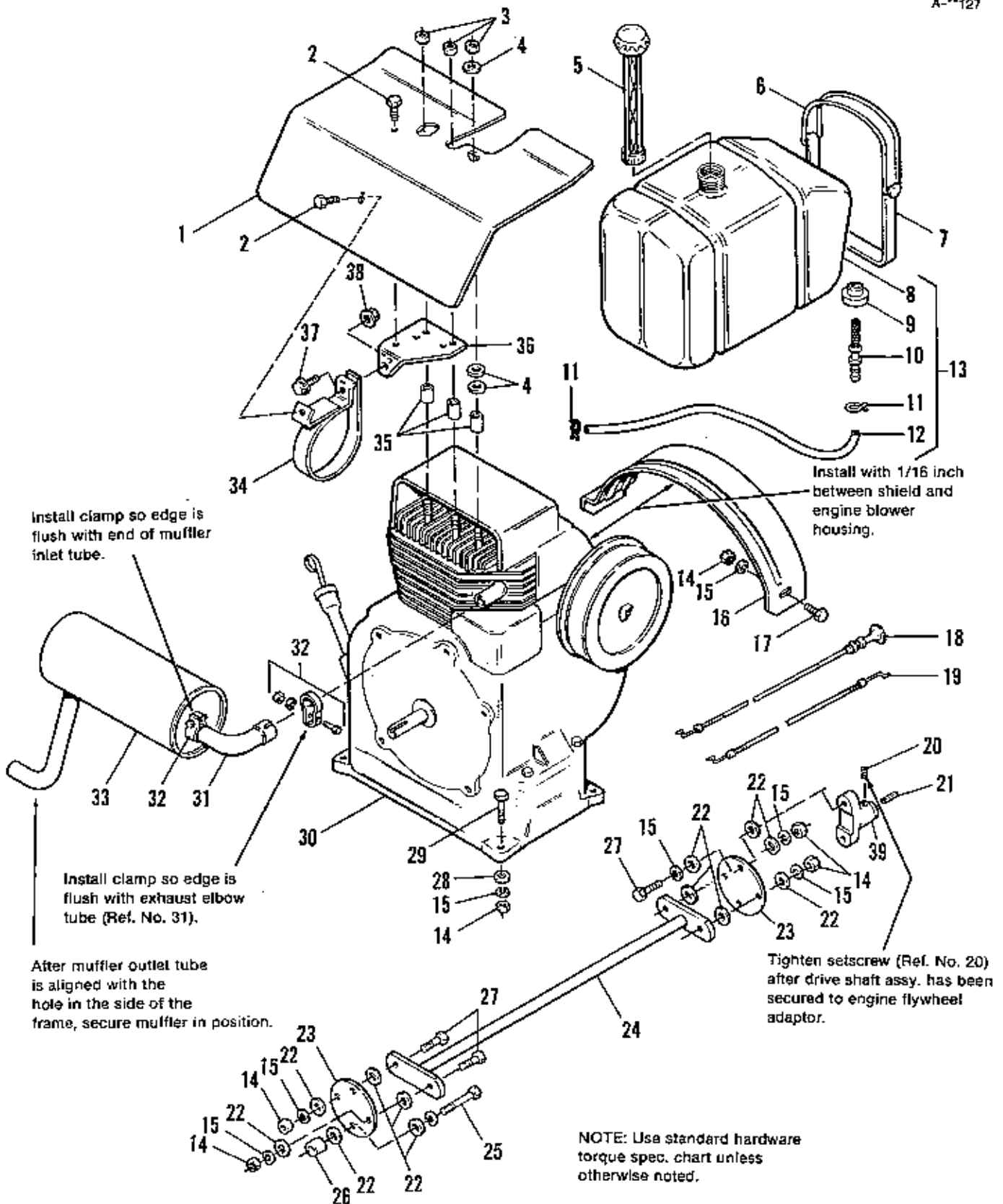
Mfg. No. 1690473 - used after serial no. 2767

Mfg. No. 1690569 - used after serial no. 2821

Mfg. No. 1690571 - used after serial no. 2852

Mfg. No. 1690638 - used after serial no. 2630

Mfg. No. 1690723 - used after serial no. 2123



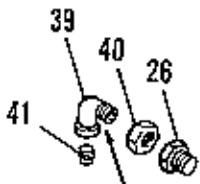
Ref. No.	Part No.	Qty.	Description
1	1666838	1	SHIELD, Heat
2	925003	2	SCREW, Hex, Taptite, 1/4-20 x 1/2
3	928731	3	LOCKNUT, Hex, Jam, 3/8-16
4	156065	3	WASHER
5	171252	1	CAP, Fuel Tank
6	172744	2	STRAP, Fuel Tank
7	171330	2	STRAP, Tank
8		1	TANK, Fuel (See Ref. No. 13)
9	1654930	1	BUSHING
10	1664460	1	FITTING
11	154372	2	CLAMP, Hose
12	1666276	1	HOSE, Fuel
*13	1666275	1	TANK ASSY., Fuel
14	916950	10	NUT, Hex, Full, 3/8-16
15	916965	14	LOCKWASHER, 3/8
16	1667407	1	SHIELD
17	921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
18	1666269	1	CONTROL, Choke
19	1666266	1	CONTROL, Throttle
20	924624	1	SETSCREW, 3/8-24 x 3/8
21	157427	1	KEY, Drive Shaft
22	157424	16	WASHER, Special
23	173026	2	COUPLING
24	1666152	1	SHAFT ASSY., Drive
25	922130	2	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
26	1666397	2	SPACER
27	920415	6	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
28	917378	4	WASHER, Plain, 3/8
29	921969	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
30		1	ENGINE, 12 HP Kohler
31	1666120	1	ELBOW, Exhaust
32	172051	2	CLAMP, Muffler
33	1666059	1	MUFFLER, Exhaust
34	1666833	1	STRAP ASSY., Muffler
35	121121	3	SPACER
36	1666837	1	SUPPORT, Muffler
37	933689	1	CAPSCREW, Hex, Whiz, Flange, 5/16-18 x 1-1/2
38	927557	1	NUT, Hex, Flange, 5/16-18
39	172264	1	FLANGE, Drive Shaft

\*Ref. No. 13 includes Ref. Nos. 8, 9, 10, 11 & 12

NOTE: Parts shown on pages 10 & 11 are used on  
Mfg. No. 1690473 before serial no. 2086.

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Used prior to Ref. No. 51, 52 & 53



Apply VC3 sealant on all pipe threads. Install bushing (Ref. No. 26) and tighten before installing elbow (Ref. No. 39). Tighten elbow completely, then back off so it faces the ground. Tighten locknut (Ref. No. 40) before installing plug (Ref. No. 41).

Coat threads with sealant. Torque pipe (Ref. No. 51) to 180-200 in lbs. and tighten locknut (Ref. No. 52) before installing pipe cap (Ref. No. 53).

Install clamp so edge is flush with end of muffler inlet tube.

After muffler outlet tube is aligned with the hole in the side of the frame, secure muffler in position.

Install with 1/16 inch between shield and engine blower housing.

Tighten setscrew (Ref. No. 20) after drive shaft assy. has been secured to engine flywheel adaptor.

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

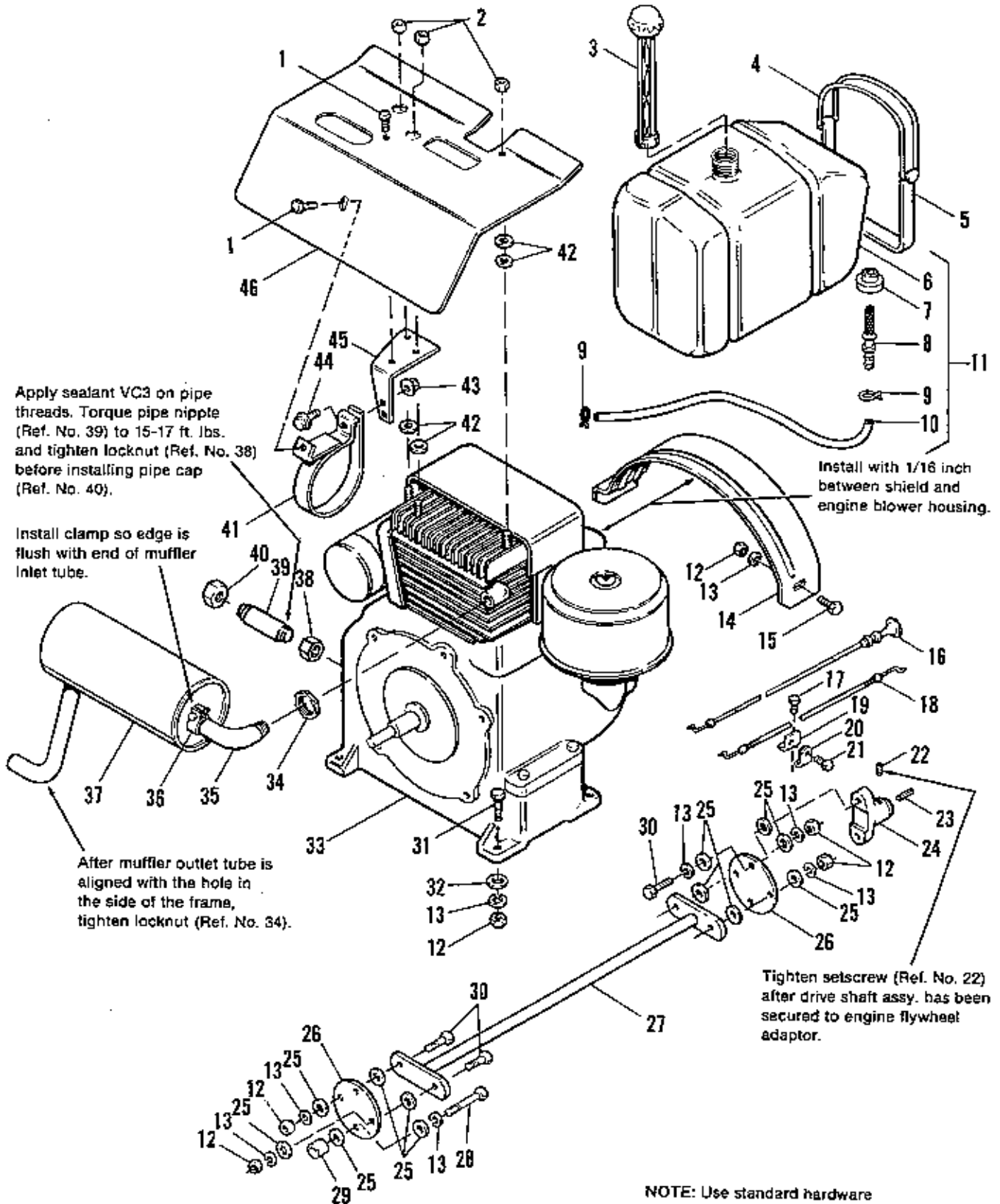
Ref. No.	Part No.	Qty.	Description
1	166838	1	SHIELD, Heat
2	925003	2	SCREW, Hex, Taptite, 1/4-20 x 1/2
3	928731	3	LOCKNUT, Hex, Jam, 3/18-6
4	156065	3	WASHER
5	171252	1	CAP, Fuel Tank
6	172744	2	STRAP, Fuel Tank
7	171330	2	STRAP, Tank
8		1	TANK, Fuel (See Ref. No. 13)
9	1654930	1	BUSHING
10	1664460	1	FITTING
11	154372	2	CLAMP, Hose
12	1666272	1	HOSE, Fuel
13	1666271	1	TANK ASSY., Fuel
14	916950	12	NUT, Hex, Full, 3/8-16
15	916965	16	LOCKWASHER, 3/8
16	1667407	1	SHIELD
17	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
18	1666269	1	CONTROL, Choke
19	1666266	1	CONTROL, Throttle
20	924624	1	SETSCREW, 3/8-24 x 3/8
21	157427	1	KEY, Drive Shaft
22	157424	8	WASHER, Special
23	173026	1	COUPLING
24	1669042	1	SHAFT ASSY., Drive
25	921972	4	CAPSCREW, Hex Hd., 3/8-16, 2-1/2
26	**904239	1	BUSHING, Pipe, 3/4 x 3/8
27	920415	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
28	917378	4	WASHER, Plain, 3/8
29	921969	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
30		1	ENGINE, 12 HP Kohler
31	1665120	1	ELBOW, Exhaust
32	172061	2	CLAMP, Muffler
33	1666059	1	MUFFLER, Exhaust
34	1666833	1	STRAP ASSY., Muffler
35	121121	3	SPACER
36	1666837	1	SUPPORT, Muffler
37	933689	1	CAPSCREW, Hex, Whiz, Flange, 5/16-18 x 1-1/2
38	927557	1	NUT, Hex, Whiz, Flange, 5/16-18
39	**901723	1	ELBOW, Pipe, 90°, 3/8
40	**932849	1	LOCKNUT, 3/8-18
41	**901653	1	PLUG, Pipe, 3/8
42	172264	1	FLANGE, Drive Shaft
43	1668637	1	COUPLING, Compression
44	921966	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
45	176440	1	BUSHING
46	927794	1	RING, Retaining
47	1669040	1	PLATE ASSY., Adaptor
48	1673017	1	CLIP, Control Cable
49	921958	1	CAPSCREW, Flex, 1/4-20 x 1/2
50	916964	1	LOCKWASHER, 1/4
51	***1673451	1	DRAIN, Oil
52	***932851	1	LOCKNUT, 3/4
53	***1673073	1	CAP, Hex, 3/4

\*Ref. No. 13 includes Ref. Nos. 8, 9, 10, 11 (Qty. 1) &amp; 12.

\*\*Used on models with oil drain elbow (Ref. No. 39).

\*\*\*Used on models with straight oil drain (Ref. No. 51).

NOTE: Parts shown on pages 12 &amp; 13 are used on Mfg. No. 1690473 after serial no. 2085 &amp; all Mfg. No. 1690723.



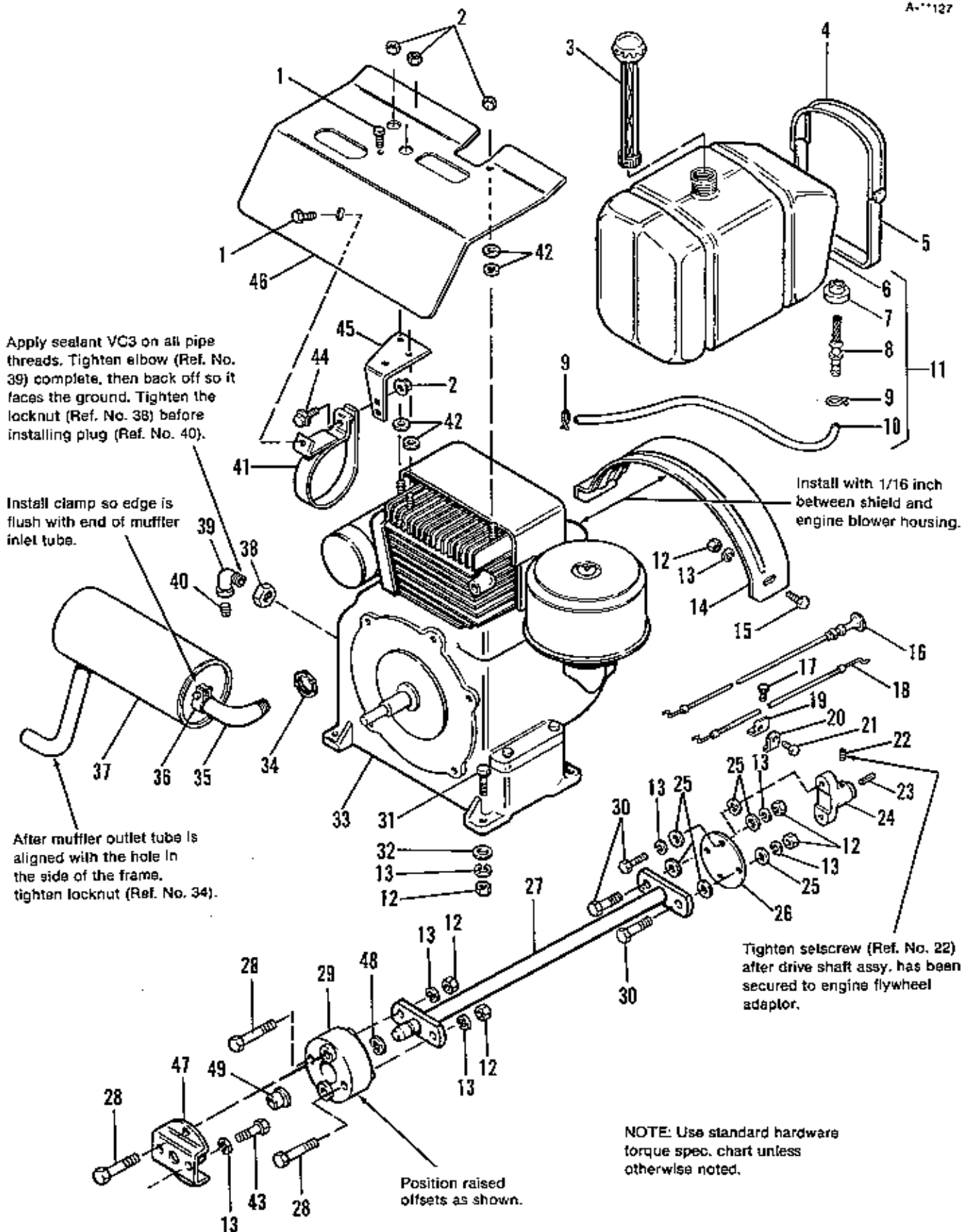


Ref. No.	Part No.	Qty.	Description
1	925003	2	SCREW, Hex, Taptite, 1/4-20 x 1/2
2	927557	3	NUT, Hex, Whizlock, 5/16-18
3	171252	1	CAP, Fuel Tank
4	172744	2	STRAP, Fuel Tank
5	171330	2	STRAP, Fuel Tank
6		1	TANK, Fuel (See Ref. No. 11)
7	1654930	1	BUSHING
8	1664460	1	FITTING
9	154372	2	CLAMP
10	1666276	1	HOSE, Fuel
11	1666275	1	TANK ASSY., Fuel
12	916950	10	NUT, Hex, Full, 3/8-16
13	916965	14	LOCKWASHER, 3/8
14	1667407	1	SHIELD
15	921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
16	1666269	1	CONTROL, Choke
17	927429	1	SCREW, Hex Hd., Type F, 1/4-20 x 5/8
18	1666268	1	CONTROL, Throttle
19	1656453	1	BRACKET, Cable
20	158475	1	CLIP, Bowden Wire
21	929477	1	SCREW, Hex, Taptite, #10-24 x 1/2
22	924624	1	SETSCREW, 3/8-24 x 3/8
23	157427	1	KEY, Drive Shaft
24	172264	1	FLANGE, Drive Shaft
25	157424	16	WASHER, Special
26	173026	2	COUPLING
27	1666152	1	SHAFT ASSY., Drive
28	922130	2	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
29	1656397	2	SPACER
30	920415	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
31	921969	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
32	917378	4	WASHER, Plain, 3/8
33		1	ENGINE, 16 HP Briggs & Stratton
34	154378	1	LOCKNUT
35	1666122	1	ELBOW ASSY., Exhaust
36	172061	1	CLAMP, Muffler
37	1666059	1	MUFFLER, Exhaust
38	932849	1	LOCKNUT, 3/8-18
39	901490	1	NIPPLE, Pipe, 3/8 x 1-1/2
40	1667346	1	CAP, Pipe, Hex
41	1666833	1	STRAP ASSY., Muffler
42	917642	4	WASHER, Plain, 5/16
43	927557	1	NUT, Hex, Flange, 5/16-18
44	933689	1	CAPSCREW, Whizlock, 5/16-18 x 1-1/2
45	1666885	1	SUPPORT, Muffler
46	1666831	1	SHIELD, Heat

\*Ref. No. 11 includes Ref. Nos. 6, 7, 8, 9 (Qty. 1) & 10.

**NOTE:** Parts shown on pages 14 & 15 are used on Mfg. No. 1690569 before serial no. 1614 and Mfg. No. 1690570 before serial no. 1020.

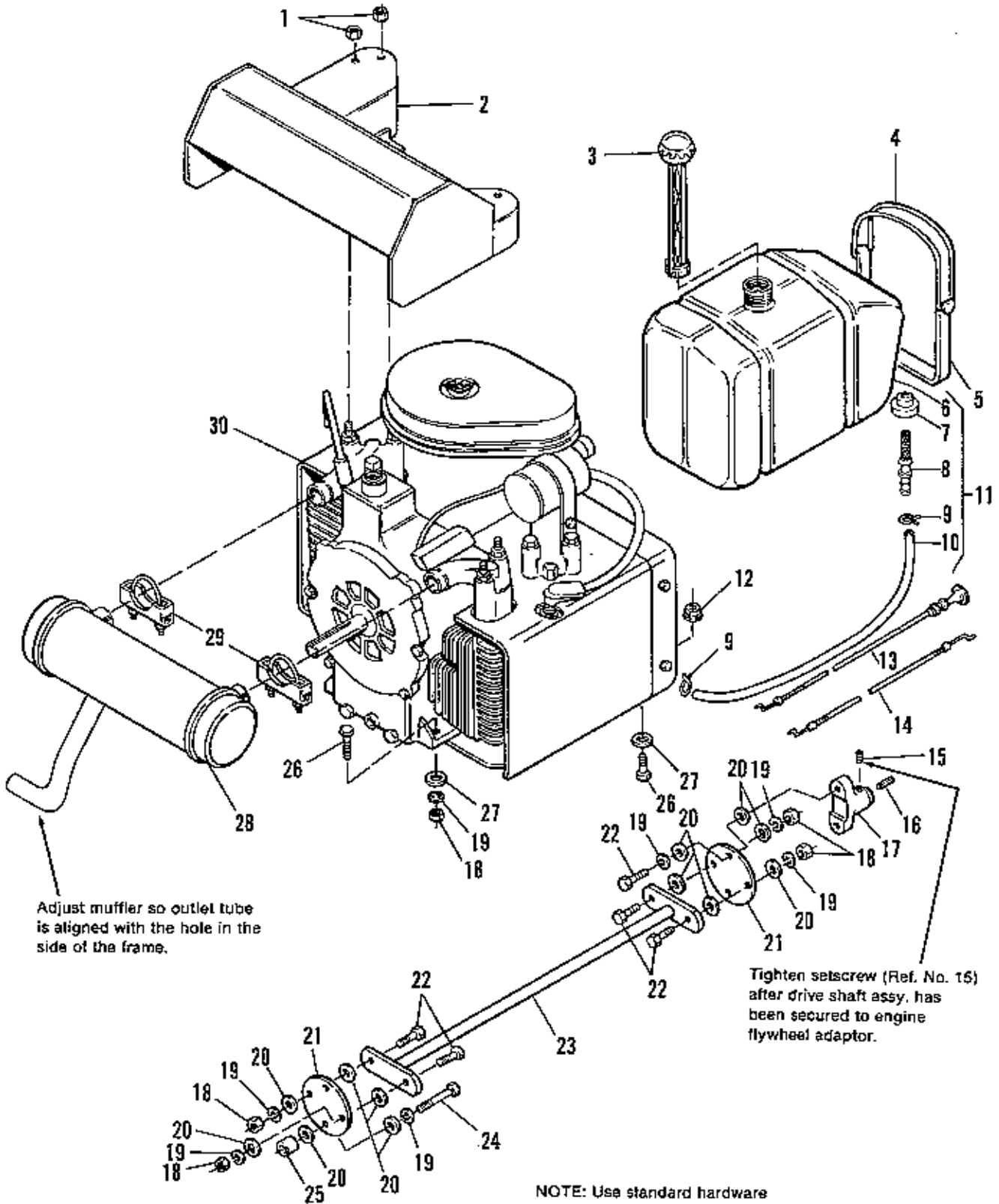
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Ref. No.	Part No.	Qty.	Description
1	925003	2	SCREW, Hex, Taplite, 1/4-20 x 1/2
2	927557	4	NUT, Hex, Whizlock, 5/16-18
3	171252	1	CAP, Fuel Tank
4	172744	2	STRAP, Fuel Tank
5	171330	2	STRAP, Fuel Tank
6		1	TANK, Fuel (See Ref. No. 11)
7	1654930	1	BUSHING
8	1664460	1	FITTING
9	154372	2	CLAMP
10	1666276	1	HOSE, Fuel
11	1666275	1	TANK ASSY., Fuel
12	916950	12	NUT, Hex, Full, 3/8-16
13	916965	16	LOCKWASHER, 3/8
14	1667407	1	SHIELD
15	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
16	1666269	1	CONTROL, Choke
17	927429	1	SCREW, Hex Hd., Type F, 1/4-20 x 5/8
18	1666268	1	CONTROL, Throttle
19	1656453	1	BRACKET, Cable
20	158475	1	CLIP, Bowden Wire
21	929477	1	SCREW, Hex, Taplite, #10-24 x 1/2
22	924624	1	SETSCREW, 3/8-24 x 3/8
23	157427	1	KEY, Drive Shaft
24	172264	1	FLANGE, Drive Shaft
25	157424	8	WASHER, Special
26	173026	1	COUPLING
27	1669042	1	SHAFT ASSY., Drive
28	921972	4	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
29	1666637	1	COUPLING, Compression
30	920415	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
31	921969	3	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
32	917378	4	WASHER, Plain, 3/8
33		1	ENGINE, 16 HP Briggs & Stratton
34	154378	1	LOCKNUT
35	1666122	1	ELBOW ASSY., Exhaust
36	172061	1	CLAMP, Muffler
37	1666059	1	MUFFLER, Exhaust
38	932849	1	LOCKNUT, 3/8-18
39	1673453	1	ELBOW, 90°, 3/8
40	1673452	1	PLUG, Pipe, Hex
41	1666833	1	STRAP ASSY., Muffler
42	917642	4	WASHER, Plain, 5/16
43	921966	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
44	933689	1	CAPSCREW, Whizlock, 5/16-18 x 1-1/2
45	1666885	1	SUPPORT, Muffler
46	1666831	1	SHIELD, Heat
47	1669040	1	PLATE ASSY., Adaptor
48	927794	1	RING, Retaining
49	176440	1	BUSHING

\*Ref. No. 11 includes Ref. Nos. 6, 7, 8, 9 (Qty. 1) & 10.

NOTE: Parts shown on pages 16 & 17 are used on Mfg. No. 1690569 after serial no. 1613 and Mfg. No. 1690570 after serial no. 1019.



Adjust muffler so outlet tube is aligned with the hole in the side of the frame.

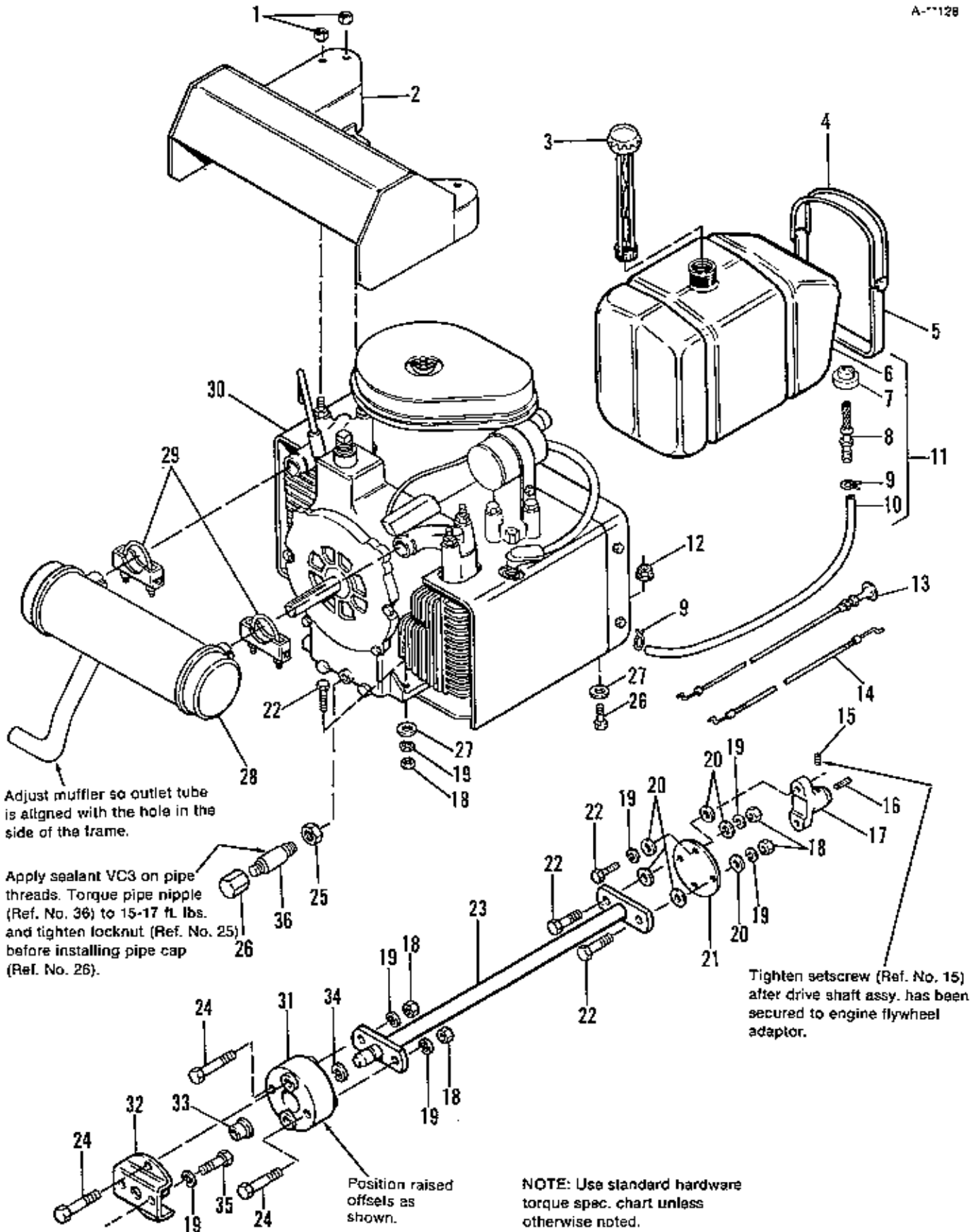
Tighten setscrew (Ref. No. 15) after drive shaft assy. has been secured to engine flywheel adaptor.

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

Ref. No.	Part No.	Qty.	Description
1	929001	4	LOCKNUT, Hex, Flange, 5/16-18
2	1666940	1	SHIELD ASSY., Heat
3	171252	1	CAP, Fuel Tank
4	172744	2	STRAP, Fuel Tank
5	171330	2	STRAP, Tank
6		1	TANK, Fuel
7	1654930	1	BUSHING
8	1664460	1	FITTING
9	154372	2	CLAMP, Hose
10	1666276	1	HOSE, Fuel
*11	1666275	1	TANK ASSY., Fuel
12	928352	1	LOCKNUT, Hex, Flange, Whiz, 3/8-16
13	1666269	1	CONTROL, Choke
14	1666266	1	CONTROL, Throttle
15	924624	1	SETSCREW, 3/8-24 x 3/8
16	157427	1	KEY
17	172264	1	FLANGE, Drive Shaft
18	916950	7	NUT, Hex, Full, 3/8-16
19	916965	11	LOCKWASHER, 3/8
20	157424	16	WASHER, Special
21	173026	2	COUPLING
22	920415	6	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
23	1666118	1	SHAFT ASSY., Drive
24	922130	2	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
25	1656397	2	SPACER
26	921969	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
27	917378	4	WASHER, Plain, 3/8
28	1666923	1	MUFFLER, Exhaust
29	935040	2	CLAMP, Exhaust
30		1	ENGINE, 17 HP Kohler
		1	ENGINE, 19 HP Kohler Twin

\*Ref. No. 11 includes Ref. Nos. 6, 7, 8, 9 (Qty. 1) & 10.

**NOTE:** Parts listed on pages 18 & 19 are used on  
Mfg. No. 1690571 before serial no. 1650  
Mfg. No. 1690572 before serial no. 1028  
Mfg. No. 1690638 before serial no. 1661  
Mfg. No. 1690640 before serial no. 1024



Ref. No.	Part No.	Qty.	Description
1	929001	4	LOCKNUT, Hex, Flange, 3/8-18
2	1666940	1	SHIELD ASSY., Heat
3	171252	1	CAP, Fuel Tank
4	172744	2	STRAP, Fuel Tank
5	171330	2	STRAP, Tank
6		1	TANK, Fuel
7	1654930	1	BUSHING
8	1664460	1	FITTING
9	154372	2	CLAMP, Hose
10	1664516	1	HOSE, Fuel
11	1666275	1	TANK ASSY., Fuel
12	928352	1	LOCKNUT, Hex, Flange, Whiz, 3/8-16
13	1666269	1	CONTROL, Choke
14	1666266	1	CONTROL, Throttle
15	924624	1	SETSCREW, 3/8-24 x 3/8
16	157427	1	KEY
17	172264	1	FLANGE, Drive Shaft
18	916950	9	NUT, Hex, Full, 3/8-16
19	916965	13	LOCKWASHER, 3/8
20	157424	8	WASHER, Special
21	173026	1	COUPLING
22	920415	8	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
23	1669044	1	SHAFT ASSY., Drive
24	921972	4	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
25	932849	1	LOCKNUT, 3/8-18
26	1667346	1	CAP, Pipe, Hex
27	917378	4	WASHER, Plain, 3/8
28	1666923	1	MUFFLER, Exhaust
29	935040	2	CLAMP, Exhaust
30		1	ENGINE, 17 HP Kohler
		1	ENGINE, 19 HP Kohler Twin
31	1668637	1	COUPLING, Compression
32	1669040	1	PLATE ASSY., Adaptor
33	176440	1	BUSHING (17 HP only)
34	927794	1	RING, Retaining (17 HP only)
35	921966	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
36	1670681	1	NIPPLE, Pipe, 3/8

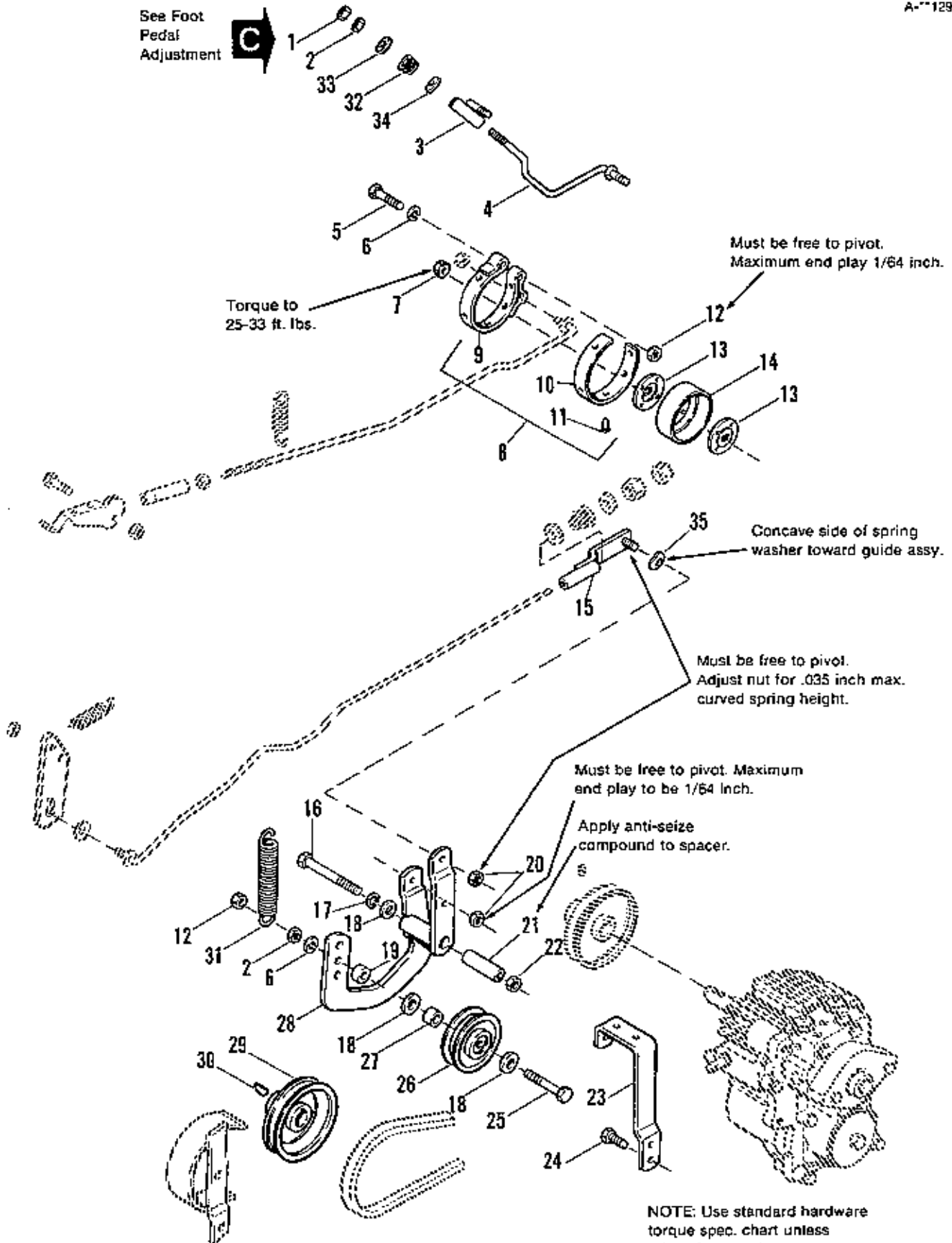
NOTE: Parts shown on pages 20 & 21 are used on

Mfg. No. 1690571 after serial no. 1649

Mfg. No. 1690572 after serial no. 1027

Mfg. No. 1690638 after serial no. 1660

Mfg. No. 1690640 after serial no. 1023





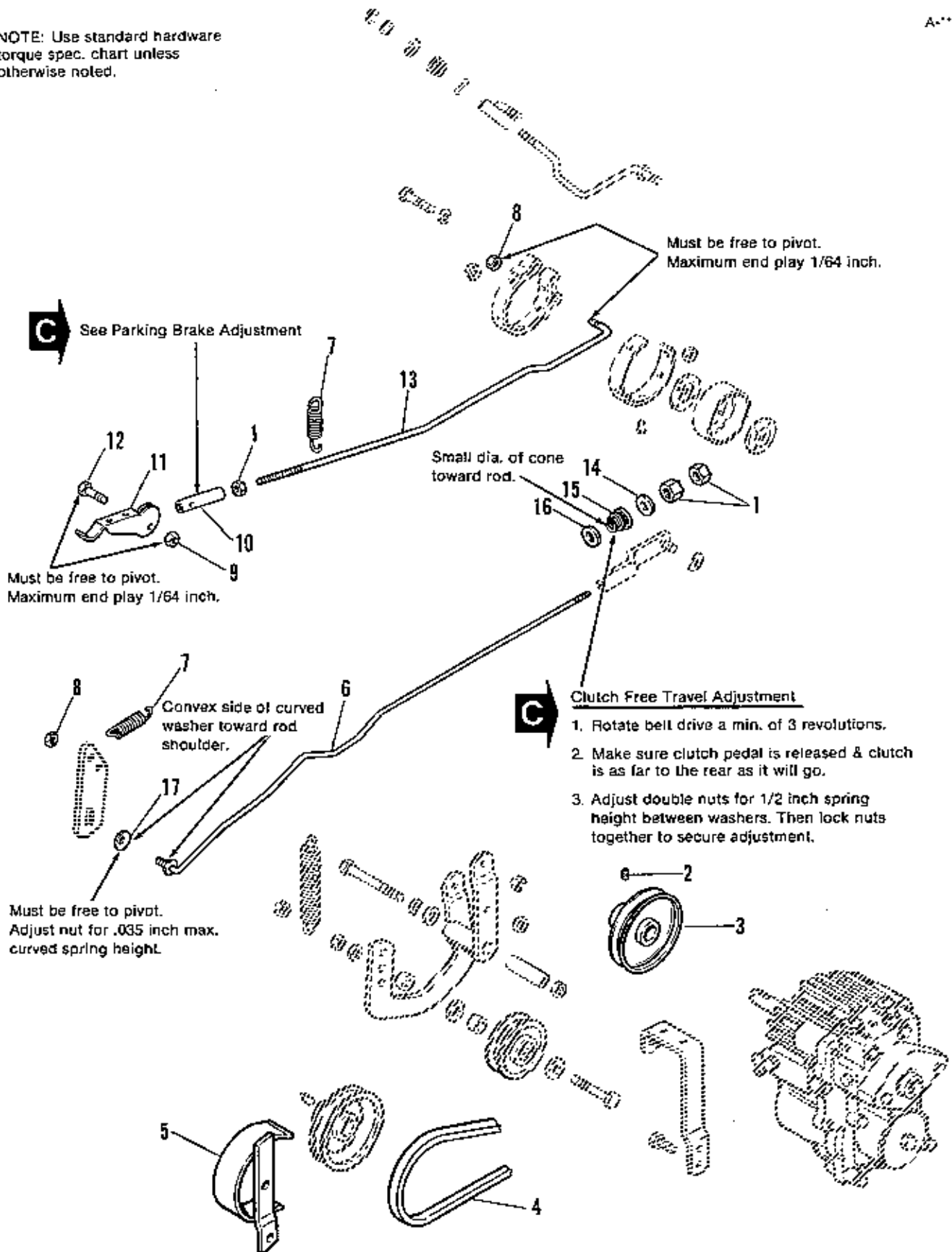
Ref. No.	Part No.	Qty.	Description
1	919439	1	LOCKNUT, Hex, Esna, 3/8-16
2	916950	2	NUT, Hex, Full, 3/8-16
3	166119	1	GUIDE ASSY., Rod
4	1650651	1	ROD, Brake
5	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
6	915965	2	LOCKWASHER, 3/8
7	930650	1	LOCKNUT, Hex, Flange, 7/16-14
8	172234	1	BAND ASSY., Brake
9	172236	1	BAND, Brake
10	172237	1	LINING, Brake
11	928021	5	RIVET, 3/16 x 1/4
12	930651	2	LOCKNUT, Hex, 3/8-16
13	158196	2	WASHER, Special
14	166176	1	DRUM, Brake
15	166157	1	GUIDE ASSY., Rod
16	928295	1	CAPSCREW, Hex Hd., 7/16-14 x 3-3/4
17	918199	1	LOCKWASHER, 7/16
18	917378	3	WASHER, Plain, 3/8
19	157081	1	SPACER
20	923362	2	LOCKNUT, Hex, 5/16-18
21	166130	1	SPACER
22	918213	1	NUT, Hex, Full, 7/16-14
23	166156	1	BRACKET
24	926035	2	SCREW, Self Tapping, 3/8 x 3/4
25	921972	1	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
26	1665432	1	PULLEY ASSY.
27	1665294	1	SPACER
28	166126	1	LEVER ASSY., Idler
29	1657323	1	PULLEY
30	905123	1	KEY
31	154369	1	SPRING
32	157127	1	SPRING, Cone
33	922611	1	WASHER
34	917642	1	WASHER
35	1668737	1	WASHER, Curved, Spring

**FOOT PEDAL BRAKE ADJUSTMENT:**

After parking brake & clutch free travel adjustments have been completed, adjust foot pedal brake as follows:

1. Lock parking brake.
2. Adjust nut (item 2) for 1/2 inch spring height between washers.
3. Depress foot pedal, to engage brake. Transmission drive belt must be fully disengaged when brake is engaged.
4. Locknuts (Ref. Nos. 1 & 2) together to secure adjustment.

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

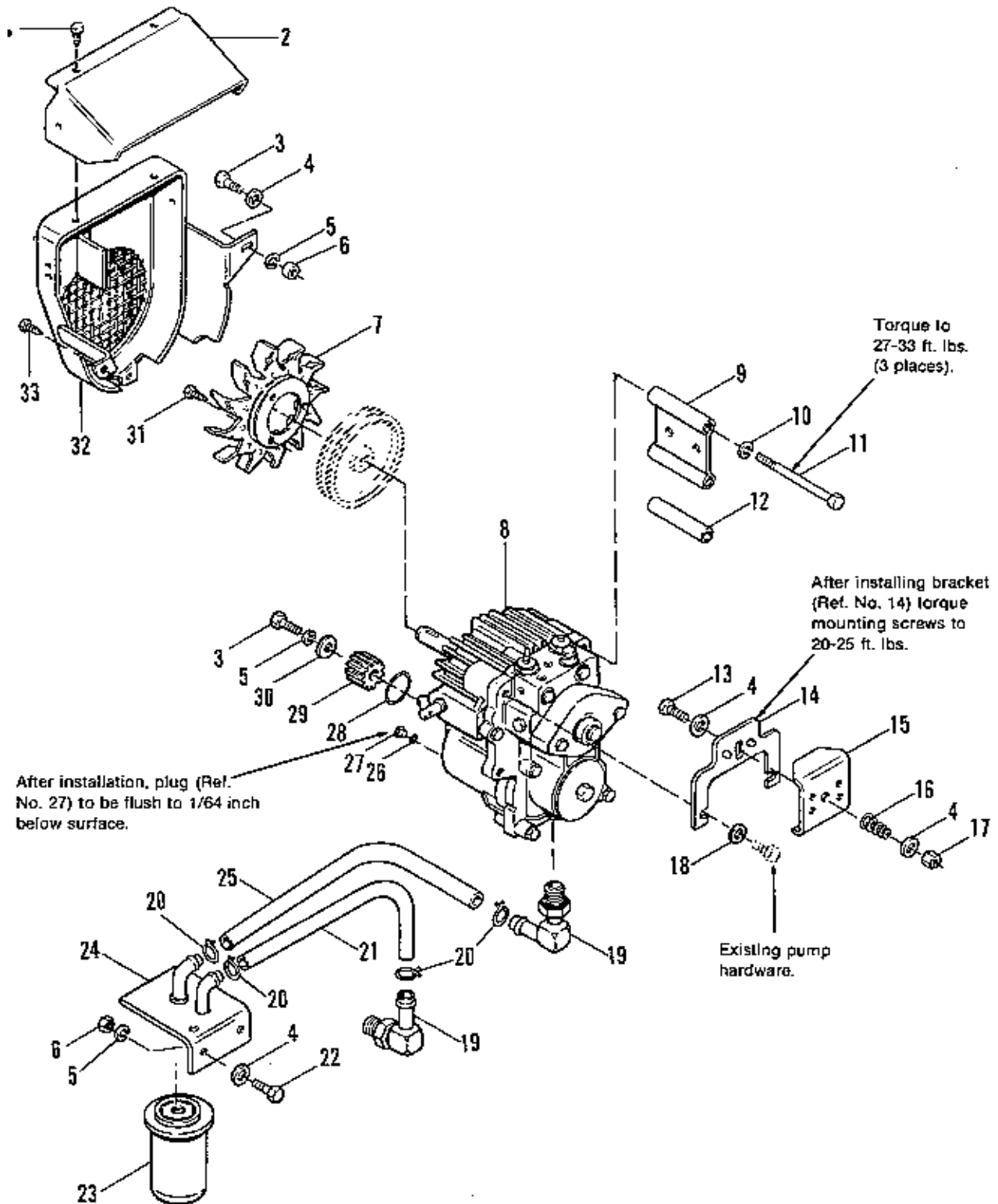


Ref. No.	Part No.	Qty.	Description
1	917372	3	NUT, Hex, Full, 5/16-18
2	928709	1	SETSCREW, 5/16-18 x 3/8
3	166173	1	PULLEY, Drive
4	1650502	1	V-BELT, Drive
5	166122	1	GUARD ASSY.
6	1650531	1	ROD, Clutch
7	121037	2	SPRING
8	923362	2	LOCKNUT, Hex, 5/16-18
9	923358	1	LOCKNUT, Hex, 1/4-20
10	171994	1	END, Rod
11	172108	1	LEVER, Parking Brake
12	928771	1	CAPSCREW, Hex Hd., 1/4-20 x 1
13	1668419	1	ROD ASSY.
14	919381	1	WASHER, 5/16
15	157127	1	SPRING, Cone
16	917377	1	WASHER
17	1668737	1	WASHER, Curved, Spring



#### **PARKING BRAKE ADJUSTMENT**

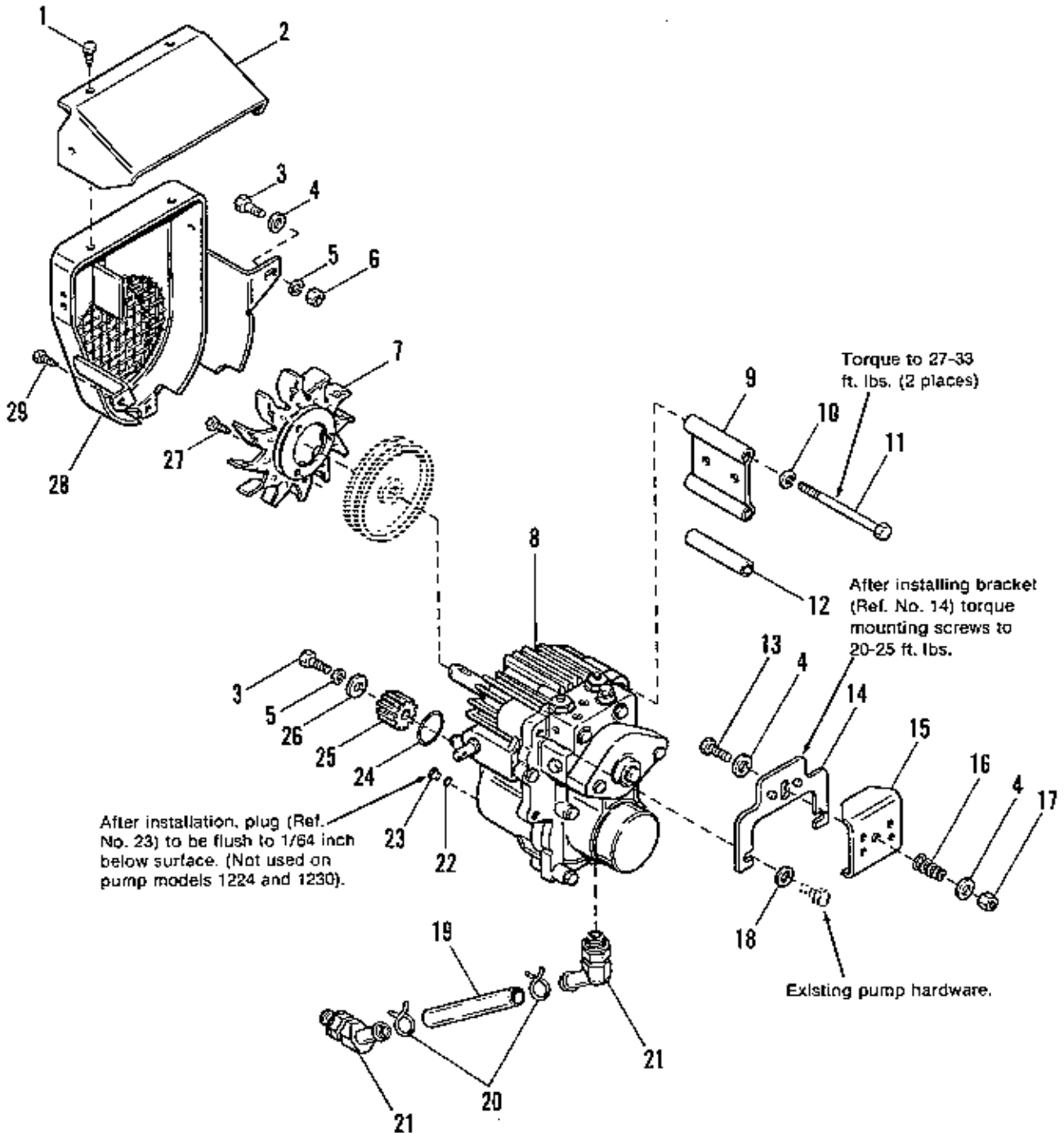
1. Loosen nut (Ref. No. 1).
2. Rotate parking brake lever (Ref. No. 11) to adjust parking brake. Turn lever one complete turn when making adjustments.
3. To lock parking brake, rotate lever up towards seat deck until lever is against upper area of footrest.
4. After adjustment, parking brake must hold the vehicle in any direction when parked on a 30% or 17° slope.
5. After parking brake is properly adjusted, secure adjustment tightening nut (Ref. No. 1).



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

Ret. No.	Part No.	Qty.	Description
1	923735	4	SCREW, Self Tapping, #10 x 3/8
2	178779	1	DEFLECTOR, Shroud
3	921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
4	917642	5	WASHER, Plain, 5/16
5	917356	4	LOCKWASHER, 5/16
6	917372	3	NUT, Hex, Full, 5/16-18
7	166022	1	FAN, Pulley
8	1650301	1	HYDROSTATIC PUMP & MOTOR UNIT (7112 & 7114)
	1667411	1	HYDROSTATIC PUMP & MOTOR UNIT (7116, 7117 & 7119)
9	1650633	1	SPACER
10	916965	3	LOCKWASHER, 3/8
11	925695	3	CAPSCREW, Hex Hd., 3/8-16 x 5
12	1650524	1	SPACER
13	921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
14	1651089	1	BRACKET
15	1651090	1	LATCH, Release
16	153010	1	SPRING
17	923362	1	LOCKNUT, Hex, 5/16-18
18	156065	2	WASHER
19	1669954	2	FITTING, Hose
20	930709	4	CLAMP, Hose
21	1650563	1	HOSE
22	923325	2	CAPSCREW, Hex Hd., 5/16-18 x 7/8
23	1650954	1	FILTER ASSY., Long Canister
24	1650989	1	SUPPORT ASSY., Oil Filter
25	1650584	1	HOSE
26	1651704	1	O-RING
27	1651705	1	PLUG
28	1651703	1	O-RING
29	166003	1	PINION, Motor Shaft
30	123144	1	WASHER
31	927428	3	SCREW, Hex, Washer Hd., Taptite, 1/4-20 x 3/8
32	1666415	1	SHROUD ASSY., w/Screen
33	924856	1	SCREW, Hex, Washer Hd., Taptite, 5/16-18 x 1/2 (7112 & 7114)
	925359	1	SCREW, Hex, Washer Hd., Taptite, 5/16-18 x 3/4 (7116, 7117 & 7119)

**NOTE:** Parts shown on pages 26 & 27 are used on  
Mfg. No. 1690473 before serial no. 2385  
Mfg. No. 1690723 before serial no. 1768  
Mfg. No. 1690751 before serial no. 1003  
Mfg. No. 1690747 before serial no. 1019  
Mfg. No. 1690569 before serial no. 2130  
Mfg. No. 1690570 before serial no. 1029  
Mfg. No. 1690571 before serial no. 2268  
Mfg. No. 1690572 before serial no. 1040  
Mfg. No. 1690638 before serial no. 2157  
Mfg. No. 1690640 before serial no. 1044



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

Ref. No.	Part No.	Qty.	Description
1	923735	4	SCREW, Self-Tapping, #10 x 3/8
2	178779	1	DEFLECTOR, Shroud
3	921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
4	917642	3	WASHER, Plain, 5/16
5	917356	2	LOCKWASHER, 5/16
6	917372	1	NUT, Hex, Full, 5/16-18
7	166022	1	FAN, Pulley
8	1671581	1	HYDROSTATIC PUMP & MOTOR UNIT (7112 & 7114)
	1671582	1	HYDROSTATIC PUMP & MOTOR UNIT (7116, 7117 & 7119)
9	1650633	1	SPACER
10	916965	3	LOCKWASHER, 3/8
11	925695	3	CAPSCREW, Hex Hd., 3/8-16 x 5
12	1650524	1	SPACER
13	921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
14	1651089	1	BRACKET
15	1651090	1	LATCH, Release
16	153010	1	SPRING
17	923362	1	LOCKNUT, Hex, 5/16-18
18	156065	2	WASHER
19	1671229	1	HOSE, Inlet
20	930709	2	CLAMP, Hose
21	1671228	2	ELBOW, Hose Fitting
22	1651704	1	O-RING (If equipped)
23	1651705	1	PLUG (If equipped)
24	1651703	1	O-RING
25	166003	1	PINION, Motor Shaft
26	123144	1	WASHER
27	927428	3	SCREW, Hex, Washer Hd., Taptite, 1/4-20 x 3/8
28	1666415	1	SHROUD ASSY., w/Screen
29	925359	1	SCREW, Hex, Washer Hd., Taptite, 5/16-18 x 3/4

**NOTE:** Parts shown on pages 28 & 29 are used on

Mfg. No. 1690473 after serial no. 2384

Mfg. No. 1690723 after serial no. 1767

Mfg. No. 1690751 after serial no. 1002

Mfg. No. 1690747 after serial no. 1018

Mfg. No. 1690569 after serial no. 2129

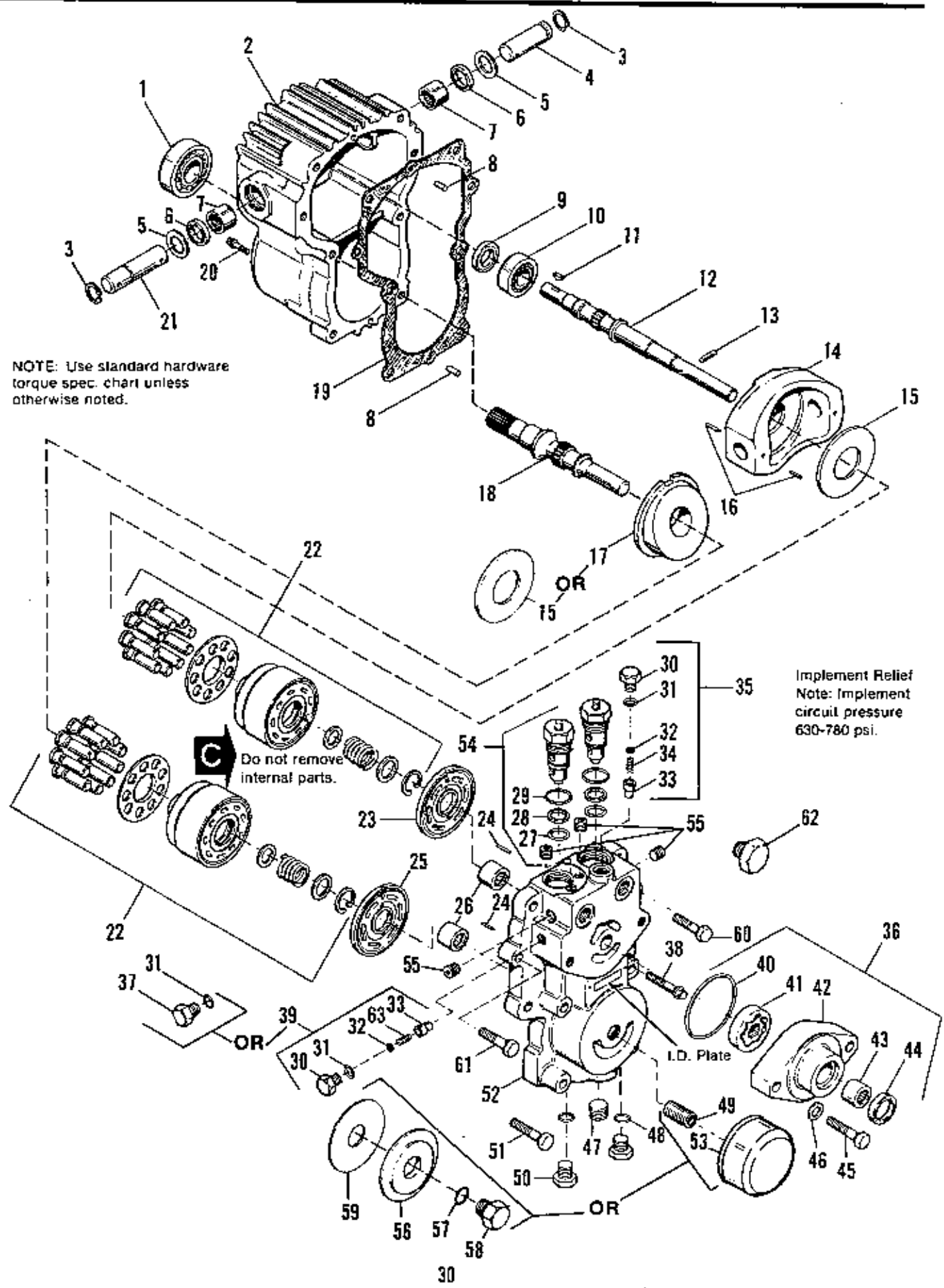
Mfg. No. 1690570 after serial no. 1028

Mfg. No. 1690571 after serial no. 2267

Mfg. No. 1690572 after serial no. 1039

Mfg. No. 1690638 after serial no. 2156

Mfg. No. 1690640 after serial no. 1043





Ref. No.	Part No.	Qty.	Description	Pump Model No. X Indicates part is used (See I.D. plate on pump)					
				1079	1204	1240	1241	1224	1230
1	1652181	1	Bearing, Ball	X	X	X	X	X	X
2	1652180	1	Housing	X	X	X	X		
2	1673534	1	Housing					X	X
3	1652192	2	Ring, Retainer	X	X	X	X	X	X
4	1652194	1	Trunnion	X	X	X	X	X	X
5	1652235	2	Washer, Special	X	X	X	X	X	X
6	1652234	2	Seal, Lip	X	X	X	X	X	X
7	1652251	2	Bearing, Needle	X	X	X	X	X	X
8	1652185	2	Pin, Headless, Straight	X	X	X	X	X	X
9	1652232	1	Seal, Lip	X	X	X	X	X	X
10	1652231	1	Bearing, Ball	X	X	X	X	X	X
11	905123	1	Key, Woodruff	X	X	X	X	X	X
12	1652229	1	Shaft, Pump	X	X	X	X	X	X
13	1652228	1	Pin, Headless	X	X	X	X	X	X
14	1652227	1	Plate, Swash	X	X	X	X		
14	1673533	1	Plate, Swash					X	X
15	1652225	1	Plate, Swash	X	X	X	X		
15	1673532	2	Plate, Thrust					X	X
16	1652226	3	Pin, Spring, Coiled	X	X	X	X	X	X
17	1652187	1	Plate, Swash	X	X	X	X		
18	1652186	1	Shaft, Motor	X	X	X	X	X	X
19	1652184	1	Gasket	X	X	X	X	X	X
20	1652182	2	Capscrew, 12 pt.	X	X	X	X		
21	1652183	1	Trunnion	X	X	X	X	X	X
22	1652188	2	Cylinder Block Kit	X	X	X	X		
22	1673535	2	Cylinder Block Kit					X	X
23	1652223	1	Plate, Valve	X	X	X	X	X	X
24	1652224	2	Pin, Straight	X	X	X	X	X	X
25	1652189	1	Plate, Valve	X	X	X	X	X	X
26	1652222	2	Bearing, Needle	X	X	X	X	X	X
27	1652221	2	O-Ring	X	X	X	X	X	X
28	1652220	2	Ring, Backup	X	X	X	X	X	X
29	1652219	2	O-Ring	X	X	X	X	X	X
30	1652217	1	Plug, Hex Hd.		X		X		X
31	921884	2	O-Ring	X	X	X	X	X	X

See next page for Ref. Nos. 32 thru 63

NOTE: Check columns at right to determine if part is used on your pump model. The "X" indicates part is used.



Ref. No.	Part No.	Qty.	Description	Pump Model No. (See I.D. plate on pump)					
				1079	1204	1240	1241	1224	1230
32	1652216	*1	Shim	X	X	X	X	X	X
33	1652214	*1	Cone, Relief Valve	X	X	X	X	X	X
34	1652253	1	Spring, Relief Valve	X		X		X	
34	1667773	1	Spring, Relief Valve		X		X		X
35	1652238	1	Relief Valve Kit	X		X		X	
35	1667774	1	Relief Valve Kit		X		X		X
36	1685128	1	Charge Pump Kit	X	X	X	X	X	X
37	1652190	1	Plug, Hex Hd.	X		X		X	
38	1652212	2	Capscrew, 12 pt.	X	X	X	X	X	X
39	1652238	1	Charge Relief Valve		X		X		X
40	1652207	1	O-Ring	X	X	X	X	X	X
41**		1	Geroter	X	X	X	X	X	X
42**		1	Housing, Charge Pump	X	X	X	X	X	X
43	1652204	1	Bearing, Needle	X	X	X	X	X	X
44	1652203	1	Seal, Lip	X	X	X	X	X	X
45	925696	2	Capscrew, 7/16-14 x 2	X	X	X	X	X	X
46	1652201	2	Washer, Flat	X	X	X	X	X	X
47	1671665	1	Plug, Pipe			X	X	X	X
48	1652196	2	O-Ring	X	X	X	X	X	X
49	1671699	1	Union, Filter			X	X	X	X
50	1652197	2	Plug, Hex Hd.	X	X	X	X	X	X
51	923701	4	Capscrew, 3/8-16 x 2	X	X	X	X	X	X
52	1652254	1	Section, Center	X	X	X	X	X	X
53	1671234	1	Filter (Short canister)			X	X	X	X
54	1652237	1	Check Valve	X	X	X	X		
54	1673537	1	Check Valve					X	X
55	1652213	4	Plug, Pipe	X	X	X	X	X	X
56	1652199	1	Plate, Cover	X	X				
57	1652196	1	O-Ring	X	X				
58	1652200	1	Plug, Special	X	X				
59	1652198	1	Gasket	X	X				
60	921969	2	Capscrew, 3/8-16 x 1-1/2	X	X	X	X		
61	920415	2	Capscrew, 3/8-16 x 1-1/4	X	X			X	X
62	1652210	2	Plug, Hex Hd.	X		X		X	
63	1652253	1	Spring, Relief Valve		X		X		X

\*Qty. 2 on models 1204, 1241 and 1230

See preceding page for Ref. Nos. 1 thru 31

\*\*Not Serviced Separately

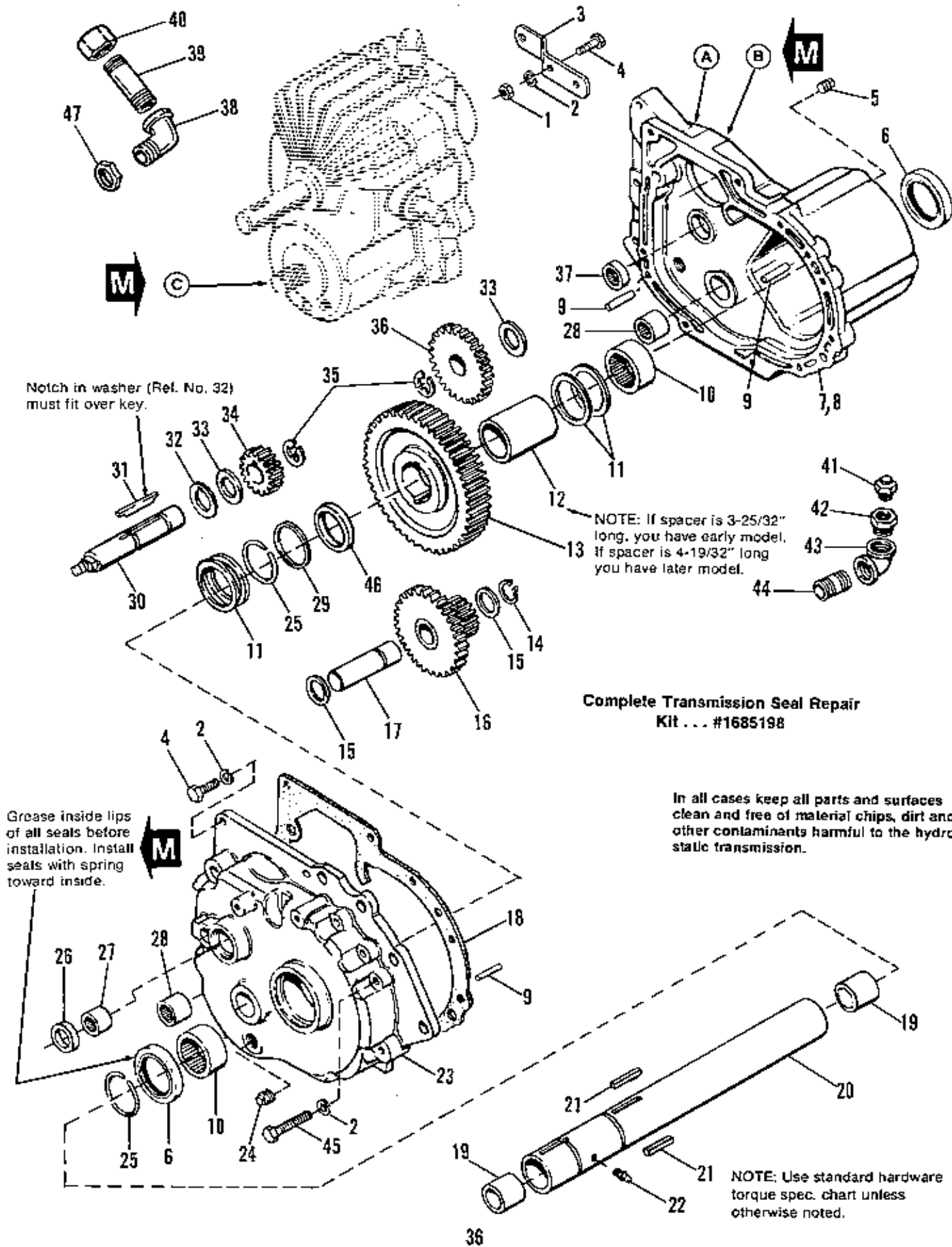
NOTE: Check columns at right to determine if part is used on your pump model. The "X" indicates part is used.

See preceding page for Ref. Nos. 1 thru 31



Rel. No.	Part No.	Qty.	Description
1	921210	1	CAPSCREW, Hex Hd., 3/8-16 x 1
2	917642	3	WASHER, Plain, 5/16
3	1650506	1	SPACER
4	1650874	1	SHAFT ASSY.
5	1650592	1	ROLLER, Cam
6	1650392	1	LINK ASSY., Control
7	916964	1	LOCKWASHER, 1/4
8	174896	1	SPRING
9	916622	1	NUT, Hex, Full, 1/4-20
10	916937	1	PIN, Roll, 1/4 x 1-1/4
11	913744	1	LOCKNUT, Hex, Jam, 1/2-13
12	927794	1	RING, Retaining
13	1664204	2	SHIM ( as required)
14	1650872	1	NUT, Adjusting
15	1650621	1	BOLT, Shoulder
16	917372	2	NUT, Hex, Full, 5/16-18
17	917356	2	LOCKWASHER, 5/16
18	1650401	1	BRACKET, Pivot
19	106772	2	SCREW, Special
20	919180	2	PIN, roll, 1/8 x 5/8
21	917378	7	WASHER, Plain, 3/8
22	923358	2	LOCKNUT, Hex, 1/4-20
23	1650713	1	PLATE, Guide
24	1650347	1	SPRING
25	916965	2	LOCKWASHER, 3/8
26	916950	2	NUT, Hex, Full, 3/8-16
27	921961	2	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
28	1650712	1	GUIDE, Control Rod
29	1650715	1	ROD ASSY., Control
30	153058	1	PIN
31	918447	1	PIN, Cotter, 3/32 x 3/4
32	1650358	1	LINK
33	1665251	1	SPACER
34	168025	2	WASHER
35	108419	2	BUSHING
36	1665257	1	LEVER ASSY., Control
37	1650380	1	QUADRANT
38	931648	2	SCREW, Hex, Flange, Whiz, 5/16-18 x 1/2
39	933958	1	SCREW, Self Tapping, 1/4-20 x 1-1/4
40	171165	1	KNOB
41	921319	1	WASHER, Plain, 1/4

**NOTE: Refer to Operator's Manual for Hydrostatic Neutral Adjustment.**



Notch in washer (Ref. No. 32) must fit over key.

NOTE: If spacer is 3-25/32" long, you have early model. If spacer is 4-19/32" long you have later model.

**Complete Transmission Seal Repair Kit . . . #1685198**

Grease inside lips of all seals before installation. Install seals with spring toward inside.

In all cases keep all parts and surfaces clean and free of material chips, dirt and other contaminants harmful to the hydrostatic transmission.

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

Ref. No.	Part No.	Qty.	Description
1	917372	2	NUT, Hex, Full, 5/16-18
2	917356	11	LOCKWASHER, 5/16
3	1667171	1	SUPPORT, Spring
4	921333	7	CAPSCREW, Hex Hd., 5/16-18 x 1
5	901652	1	PLUG, Pipe
6	154269	2	SEAL
7	1650429	1	CASE ASSY., w/Bearings
8	178550	1	CASE, Gear
9	927609	2	PIN, Roll, 3/8 x 1
10	1652469	2	BEARING
11	154097	4	WASHER
12	*1651512	1	SPACER, Axle, LH (Early Model)
	*166041	1	SPACER, Axle, LH (Later Model)
13	*1652504	1	GEAR, Drive (Early Model)
	*1670857	1	GEAR, Drive (Later Model)
14	166017	1	RING, Retaining
15	166016	2	WASHER
16	176238	1	PINION & SHAFT ASSY.
17	166012	1	SHAFT, Intermediate
18	166043	1	GASKET
19	1653120	2	BUSHING
20	*1651517	1	TUBE ASSY., Axle (Early Model)
	*1670864	1	TUBE ASSY., Axle (Later Model)
21	*156086	2	KEY (Early Model)
	*154096	2	KEY (Later Model)
22	914687	1	FITTING, Grease
23	1650427	1	COVER ASSY., Grease Case w/Bearings
24	901653	1	PLUG, Pipe
25	154268	2	RING, Retaining
26	166021	1	SEAL
27	166019	1	BEARING
28	166018	2	BEARING, Needle
29	166167	1	WASHER
30	1650775	1	SHAFT, Brake
31	166014	1	KEY
32	1651078	1	WASHER
33	166013	2	WASHER
34	176243	1	PINION
35	176980	2	RING, Retaining
36	166004	1	GEAR
37	154271	1	BEARING, Needle
38	901723	1	ELBOW, Street
39	901493	1	NIPPLE, Pipe
40	1667346	1	CAP, Pipe
41	172899	1	VALVE, Relief
42	901825	1	BUSHING, Pipe
43	901677	1	ELBOW, Pipe
44	901480	1	NIPPLE, Pipe
45	921978	4	CAPSCREW, Hex Hd., 5/16-18 x 2
46	*166040	1	SPACER, Axle, RH (Later Models Only)
47	932849	1	LOCKNUT, 3/8, Rigid Conduit

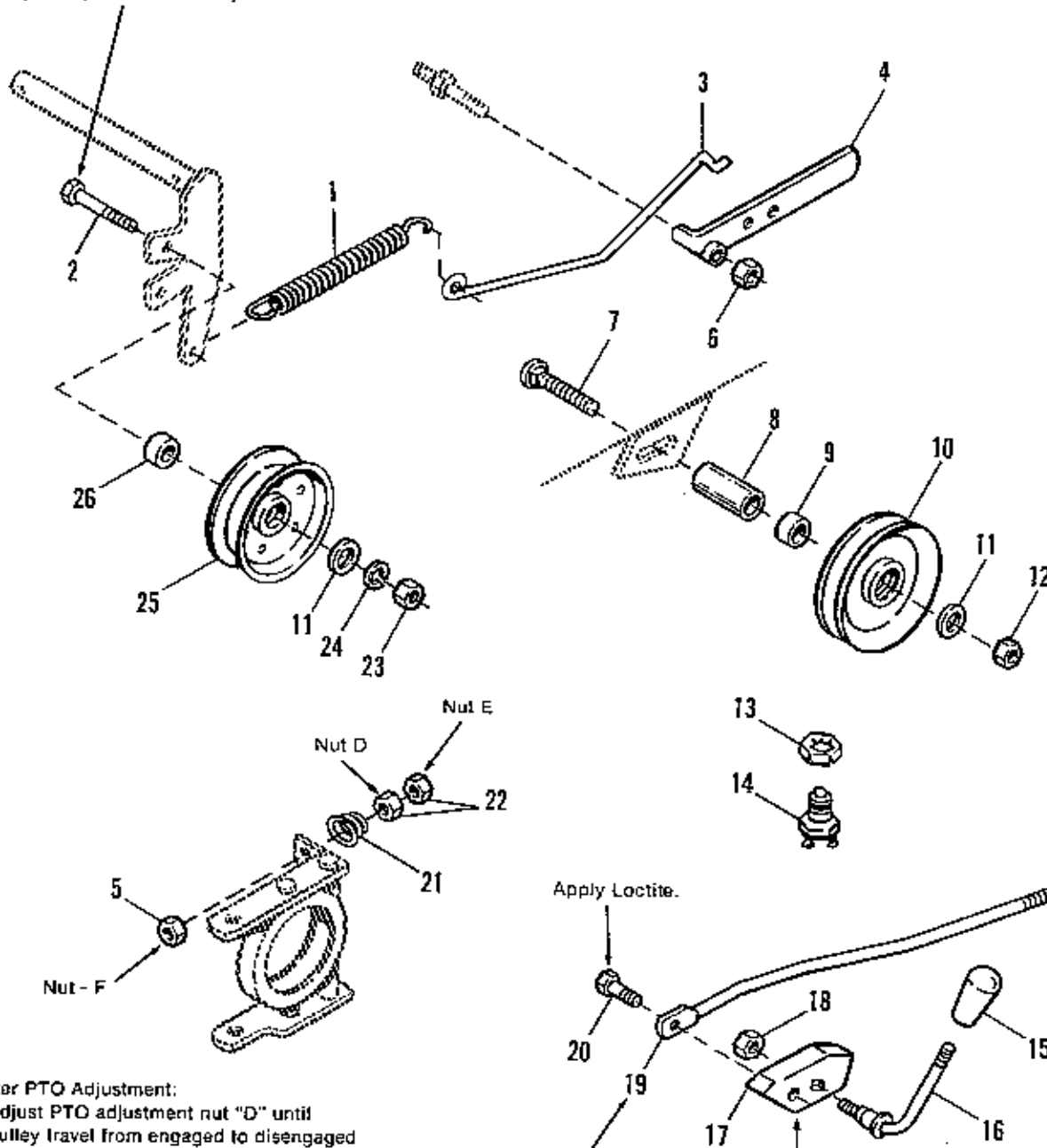
\*See Note at Ref. No. 12 on page 36 to determine Early or Later Models.

#### HYDROSTATIC TRANSMISSION

- A. Mask hydrostatic mounting surface and cover hole prior to painting.
- B. Use gasket eliminator and place 1/8 inch bead all around.
1. Make sure "O" ring on pilot bearing stays in place until assy. is complete.

2. After contact is made with gasket material, complete assy. in a manner that will prevent smearing of gasket material.
- C. Clean mating surface with LocQuic primer NF by spraying & wiping with a clean cloth to remove contamination. If part is assembled within 30 minutes no additional treatment is required. Otherwise spray thin film onto surface. Permit to visibly dry.

Mount in upper hole for  
mower drive. Use lower hole  
for snowthrower mounting  
(See Operator's Manual).



**Center PTO Adjustment:**

1. Adjust PTO adjustment nut "D" until pulley travel from engaged to disengaged position equals  $1/16 \pm 1/32$  inch.
2. Secure adjustment by locking nuts "D" and "E" together.
3. Check clutch for proper disengagement.
4. Adjust locknut "F" for  $1/8$  inch between pivot arm and face of locknut "F" when clutch is disengaged.

Ref. No. 19 must rotate freely on Ref. No. 20 after Ref. No. 20 is tightened

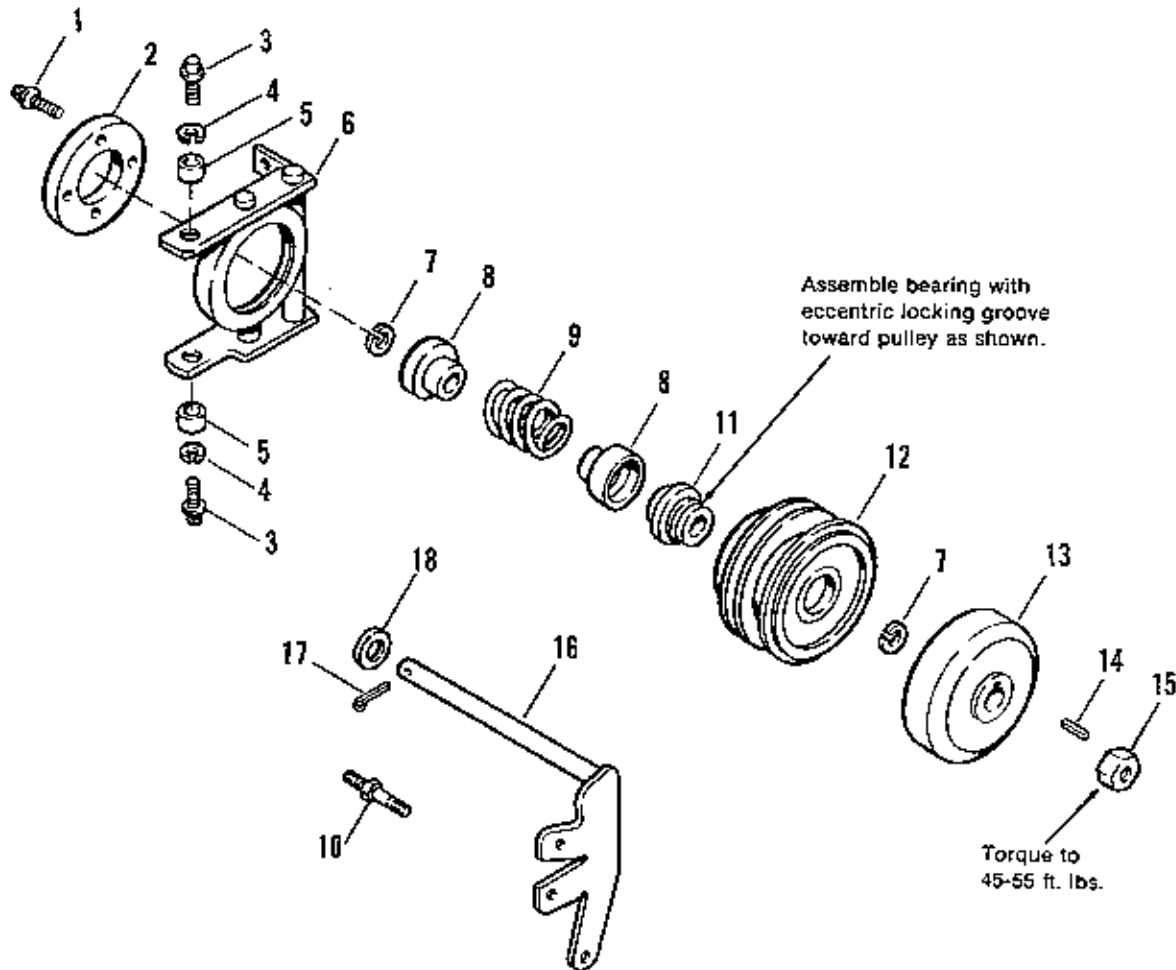
Adjust interlock switch (Ref. No. 14) while lever (Ref. No. 17) is resting against top of frame.

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



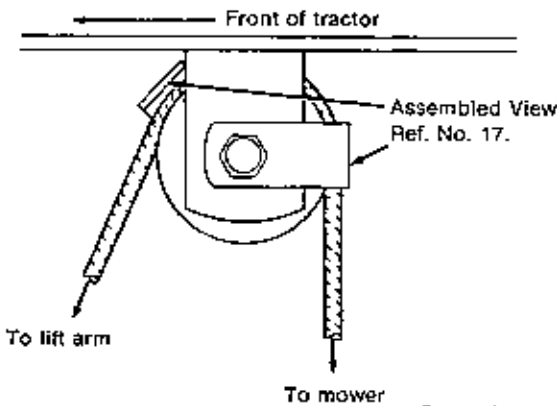
Ref. No.	Part No.	Qty.	Description
1	1666786	1	SPRING, Tension
2	923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2
3	1671424	1	ROD, Tension
4	164155	1	HANDLE ASSY.
5	928698	1	LOCKNUT, Hex, Jam, Cntr. 5/16-18
6	924058	1	LOCKNUT, Hex, 7/16-14
7	931353	1	BOLT, Carriage, 3/8-16 x 1-3/4
8	1667811	1	SPACER
9	1666294	1	SPACER
10	1665440	1	PULLEY ASSY., w/Bearings
11	917378	2	WASHER, Plain, 3/8
12	928352	1	LOCKNUT, Whizlock, Flange, 3/8-16
13	930847	1	NUT, Pal
14	177522	1	SWITCH, Interlock
15	172038	1	KNOB
16	174664	1	HANDLE, PTO, Clutch
17	173991	1	LEVER
18	930651	1	LOCKNUT, Hex, 3/8-16
19	1671323	1	ROD ASSY., Control
20	174686	1	CAPSCREW, Special
21	157127	1	SPRING
22	917372	2	NUT, Hex, Full, 5/16-18
23	916950	1	NUT, Hex, Full, 3/8-16
24	916965	1	LOCKWASHER, 3/8
25	1606554	1	PULLEY, Idler
26	1667812	1	SPACER

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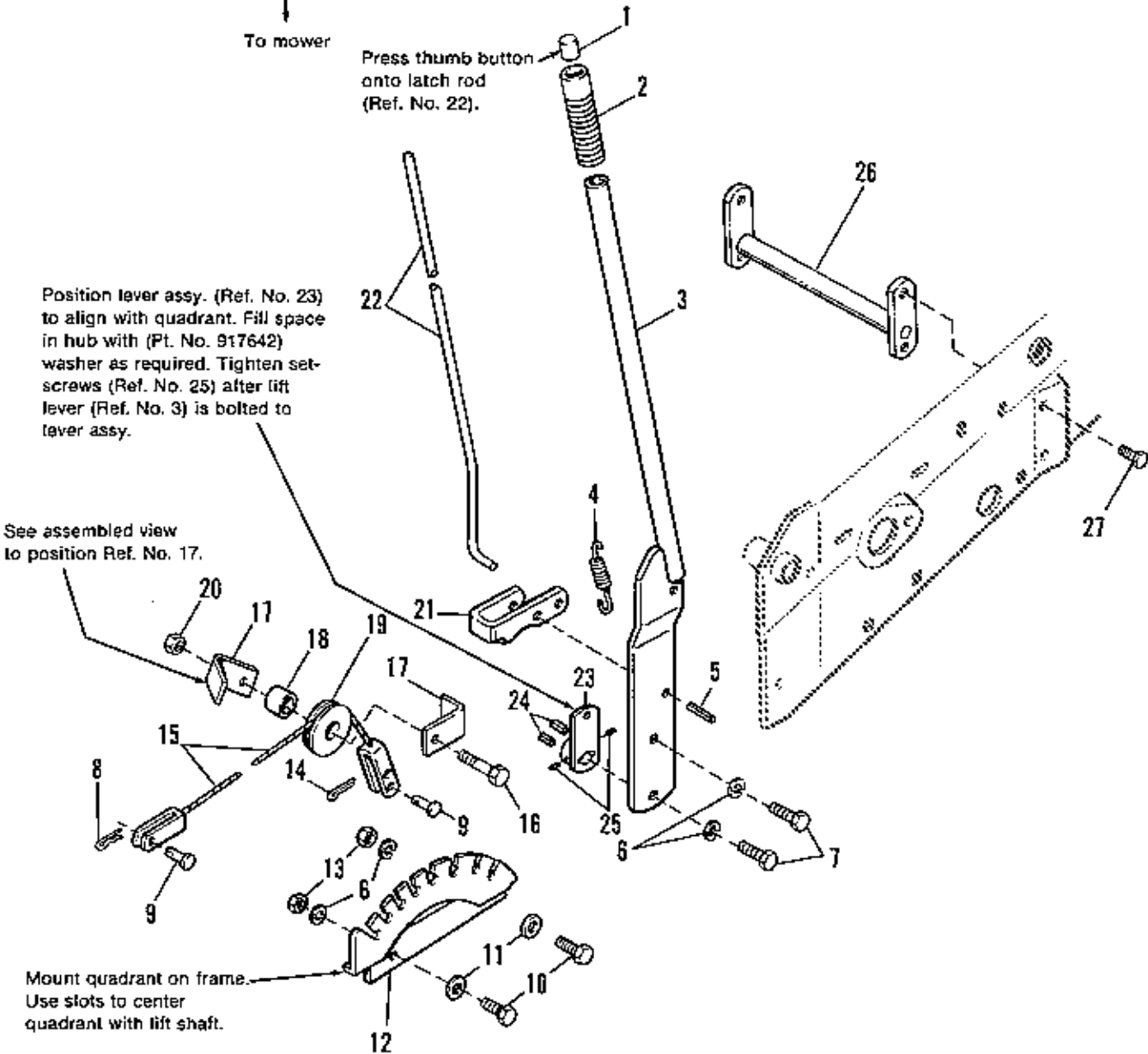
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	920036	4	CAPSCREW, Socket Hd., 1/4-20 x 5/8
2	173957	1	DISC, Brake
3	1651450	2	SCREW, Thd. Forming
4	917356	2	LOCKWASHER, 5/16
5	171371	2	SPACER
6	1650906	1	PIVOT ASSY.
7	172206	2	RING, Retaining
8	1671339	2	GUIDE, Spring
9	171772	1	SPRING
10	157273	1	STUD
11	1650254	1	BEARING ASSY.
12	1650304	1	PULLEY
13	174862	1	PLATE ASSY., Clutch
14	905123	1	KEY
15	922133	1	LOCKNUT, Hex, 3/4-16
16	1666781	1	ARM ASSY., Pivot
17	918459	1	PIN, Cotter, 3/16 x 1-1/2
18	912018	1	WASHER



After Assembly:

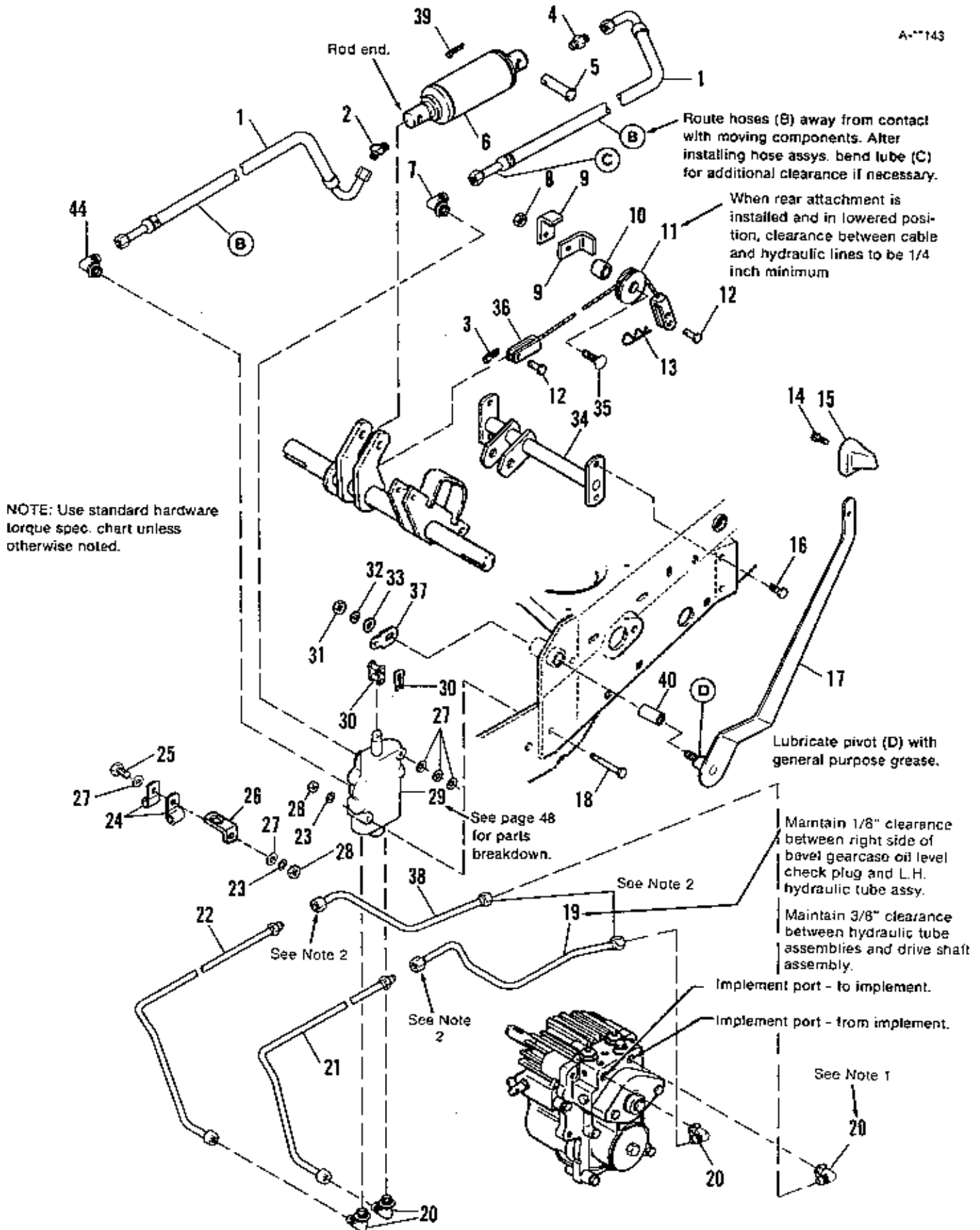
1. Lift Lever must rotate through full range of quadrant without binding.
2. Latch must operate freely and engage with all notches on quadrant.
3. Lift lever must not interfere with hood.



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

Ref. No.	Part No.	Qty.	Description
1	1650157	1	BUTTON
2	156209	1	GRIP
3	1666257	1	LEVER ASSY., Lift
4	1650155	1	SPRING
5	918390	1	PIN, Spring, 3/8 x 1-1/4
6	916965	4	LOCKWASHER, 3/8
7	923490	2	CAPSCREW, Hex Hd., 3/8-16 x 1
8	918196	1	CLIP, Spring
9	153058	2	PIN
10	921966	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
11	917642	2	WASHER, Plain, 5/16
12	171599	1	QUADRANT
13	916950	2	NUT, Hex, Full, 3/8-16
14	918448	1	PIN, Cotter, 3/32 x 1
15	1673700	1	CABLE ASSY., Lift
16	108418	1	SCREW, Special
17	174723	2	GUARD, Cable
18	157081	1	SPACER
19	172725	1	PULLEY
20	928731	1	LOCKNUT, Hex, Jam, 3/8-16
21	173039	1	LATCH, Lift Lever
22	1666663	1	ROD, Latch
23	171593	1	LEVER ASSY., Lift
24	157652	2	KEY
25	928734	2	SETSCREW, 5/16-18 x 1/4
26	1673393	1	SUPPORT ASSY.
27	923683	4	SCREW, Self-Tapping, 3/8 x 3/4

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Ref. No.	Part No.	Qty.	Description
1	1667408	2	HOSE, Hydraulic
2	935046	1	ELBOW, 45° Male
3	918448	1	PIN, Cotter, 3/32 x 1
4	919766	1	CONNECTOR, 37° Male
5	171690	2	PIN
6	1667409	1	CYLINDER, Hydraulic
7	928812	2	ELBOW, Adjustable, 37°
8	928731	1	LOCKNUT, Hex, Jam, 3/8-16
9	174723	2	GUARD, Cable
10	157081	1	SPACER
11	172725	1	PULLEY
12	153058	2	PIN
13	918196	1	CLIP, Spring
14	933958	1	SCREW, Hex, Wash. Hd., Taptite, 1/4-20 x 1-1/4
15	171165	1	KNOB
16	923683	4	SCREW, Hex, Wash. Hd., Taptite, 3/8-16 x 3/4
17	1667270	1	LEVER ASSY.
18	921159	2	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
19	1667437	1	TUBE ASSY.
20	922523	2	ELBOW, Adjustable, 37°
21	1668883	1	TUBE ASSY.
22	1668882	1	TUBE ASSY.
23	916964	3	LOCKWASHER, 1/4
24	926917	2	CLAMP
25	921961	1	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
26	108186	1	CLIP
27	921319	5	WASHER, Plain, 1/4
28	916622	3	NUT, Hex, Full, 1/4-20
29	1673825	1	CONTROL VALVE ASSY. (See page 46)
30	171101	1	LINK, Connecting
31	916950	1	NUT, Hex, Full, 3/8-16
32	916965	1	LOCKWASHER, 3/8
33	917378	1	WASHER, Plain, 3/8
34	1667269	1	SUPPORT ASSY.
35	108418	1	SCREW, Special
36	1673700	1	CABLE ASSY.
37	1667261	1	BELLCRANK
38	1667435	1	TUBE ASSY.
39	918452	2	PIN, Cotter
40	158544	1	BEARING

**ASSEMBLY NOTES**

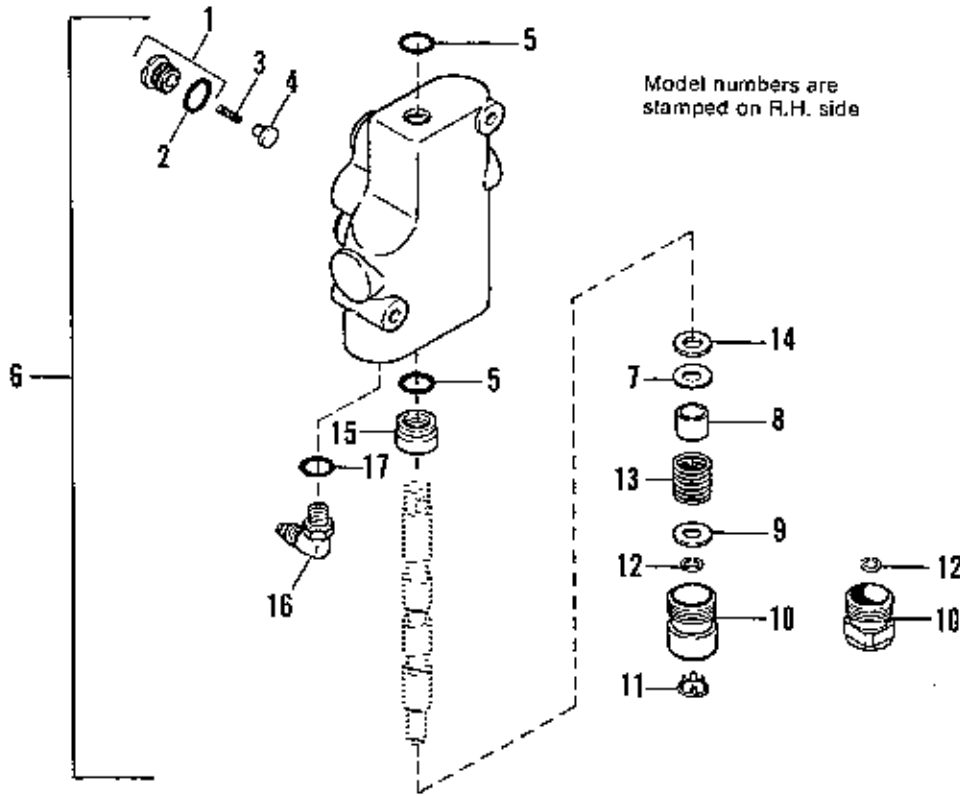
**Important:** Take special care that no dirt or foreign material is allowed to enter hydraulic circuit during assembly of fittings.

1. To install swivel fittings (Ref. No. 20), first lubricate O-ring with light oil. Then turn swivel nut until O-ring is seated. Turn fitting by hand to align with tube nut.
2. To install tubes, first align threaded fitting with tube nut. Then thread nut onto fitting and tight. Hold fitting and turn nut with wrench to seal joint.

See NOTE, bottom of page 47

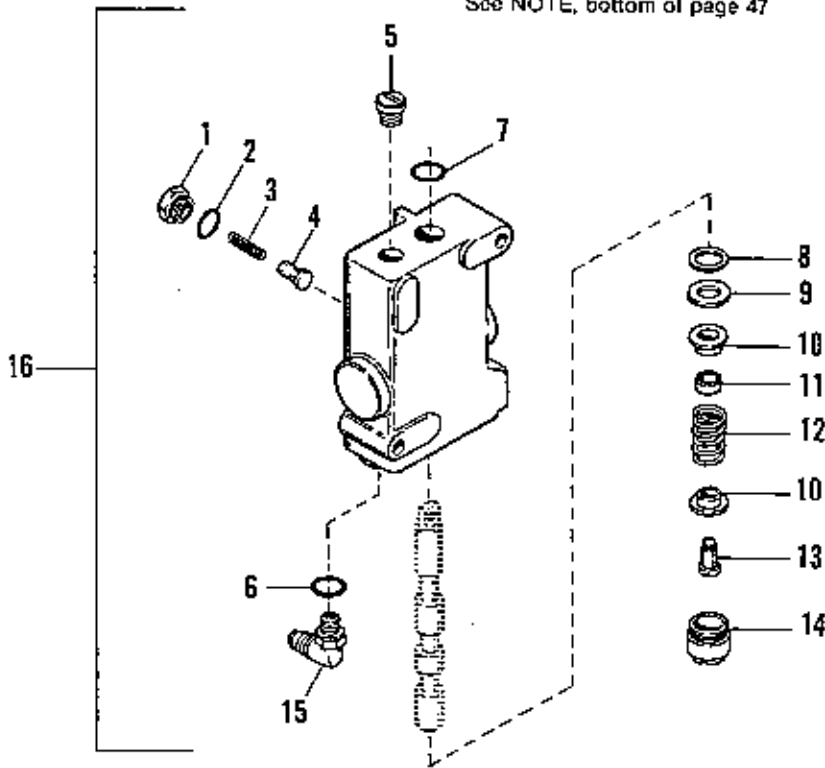
Cessna Valve

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AICO Valve

See NOTE, bottom of page 47





*Cessna Valve (See note below)*

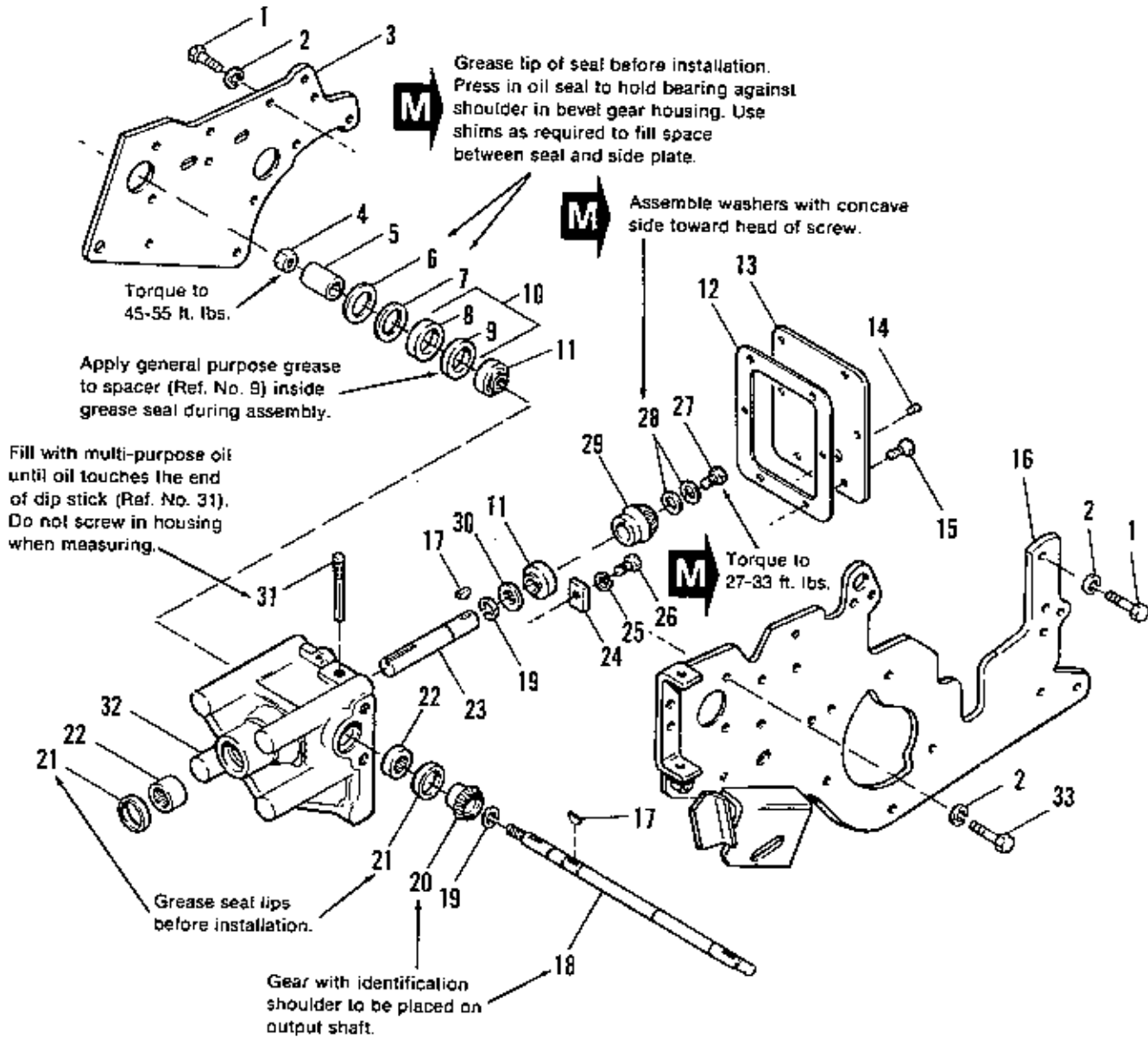
Ref. No.	Part No.	Qty.	Description	Model	
				30931CBL	30931CBY
1	174131	1	PLUG ASSY.	X	X
2	174133	1	O-RING	X	X
3	174134	1	SPRING	X	X
4	174130	1	PLUNGER	X	X
5	174140	2	O-RING	X	X
6	1673825	1	VALVE ASSY.	X	X
7	1652044	1	WASHER (Optional)	X	
7	1673836	1	WASHER		X
8	1668021	1	SPACER	X	
9	174143	1	WASHER	X	
9	1673833	1	SPACER		X
10	1673834	1	CAP		X
10	1667822	1	CAP	X	
11	1664987	1	BUTTON, Insert	X	
12	1667824	1	RING, Retaining	X	
12	1673837	1	RING, Retaining		X
13	1667823	1	Spring	X	
13	1673835	1	SPRING		X
14	1652045	1	WASHER	X	
15	174137	1	BUSHING	X	X
16	922623	2	ELBOW	X	X
17	1667825	2	O-RING	X	X

\*If Ref. No. 6 is ordered, you will receive model 30931CBY

*AICO Valve (See note below)*

Ref. No.	Part No.	Qty.	Description
1	1671909	1	PLUG, Check
2	921884	1	O-RING
3	1671908	1	SPRING
4	1671907	1	PLUNGER
5	1671911	1	PLUG
6	1667825	2	O-RING
7	923846	1	O-RING
8	923565	1	QUAD RING
9	1671906	1	WASHER
10	1671913	2	SEAT, Spring
11	1671914	1	STOP, Spool
12	1671915	1	SPRING
13	1671912	1	STEM, Spool
14	1671916	1	END CAP
15	922523	2	ELBOW
16	1667410	1	VALVE ASSY., Complete

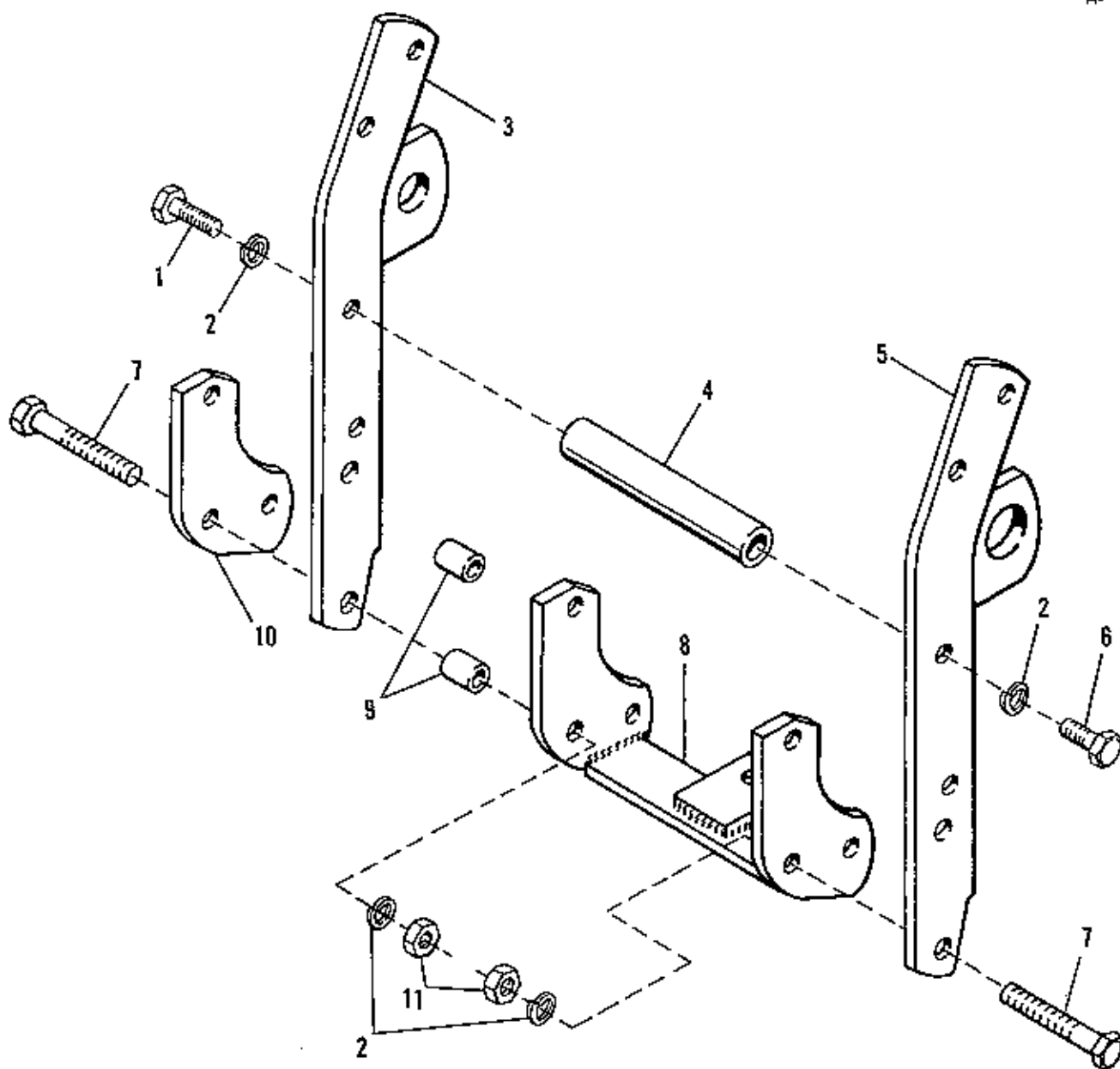
**NOTE:** Determine if you have an AICO or Cessna valve by checking the shape of the valve body (see page 46). If Cessna, use parts list at top of page. If AICO, use parts list at bottom of page. There are two Cessna valve models, 30931CBL and 30931CBY. The model number is stamped on right-hand side of valve body.



Ref. No.	Part No.	Qty.	Description
1	920677	6	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
2	918199	12	LOCKWASHER, 7/16
3	1650414	1	PLATE, Side, RH
4	922133	1	LOCKNUT, Hex, Jam, 3/4-16
5	171792	1	SPACER
6	171790	5	SHIM
7	171791	1	SHIM
8	171787	1	SEAL, Oil
9	1663111	1	SPACER, Seal, Oil
*10	1685088	1	REPAIR KIT, Seal
11	172256	2	BEARING, Ball
12	154282	1	GASKET
13	178104	1	COVER
14	901652	1	PLUG, Pipe (if equipped)
15	930562	6	CAPSCREW, Hex hd., 1/4-20 x 5/8
16	1671667	1	PLATE ASSY., Side, LH
17	905123	2	KEY, Woodruff, #9
18	1657178	1	SHAFT, Driven
19	172206	2	RING, Retaining
20	171796	1	GEAR, Bevel, Driven
21	118117	2	SEAL, Oil
22	154279	2	BEARING, Needle
23	172750	1	SHAFT, Driver
24	154040	1	PLATE, Bearing, Clamp
25	917356	1	LOCKWASHER, 5/16
26	925205	1	CAPSCREW, Hex Hd., 5/16-18 x 5/8
27	154281	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4
28	177649	2	WASHER
29	172752	1	GEAR, Bevel, Driver
30	172753	1	WASHER
31	178105	1	PLUG ASSY.
32	171797	1	HOUSING, Bevel Gear
33	920676	6	CAPSCREW, Hex Hd., 7/16-14 x 1

\*Ref. No. 10 Includes Ref. Nos. 8 & 9.

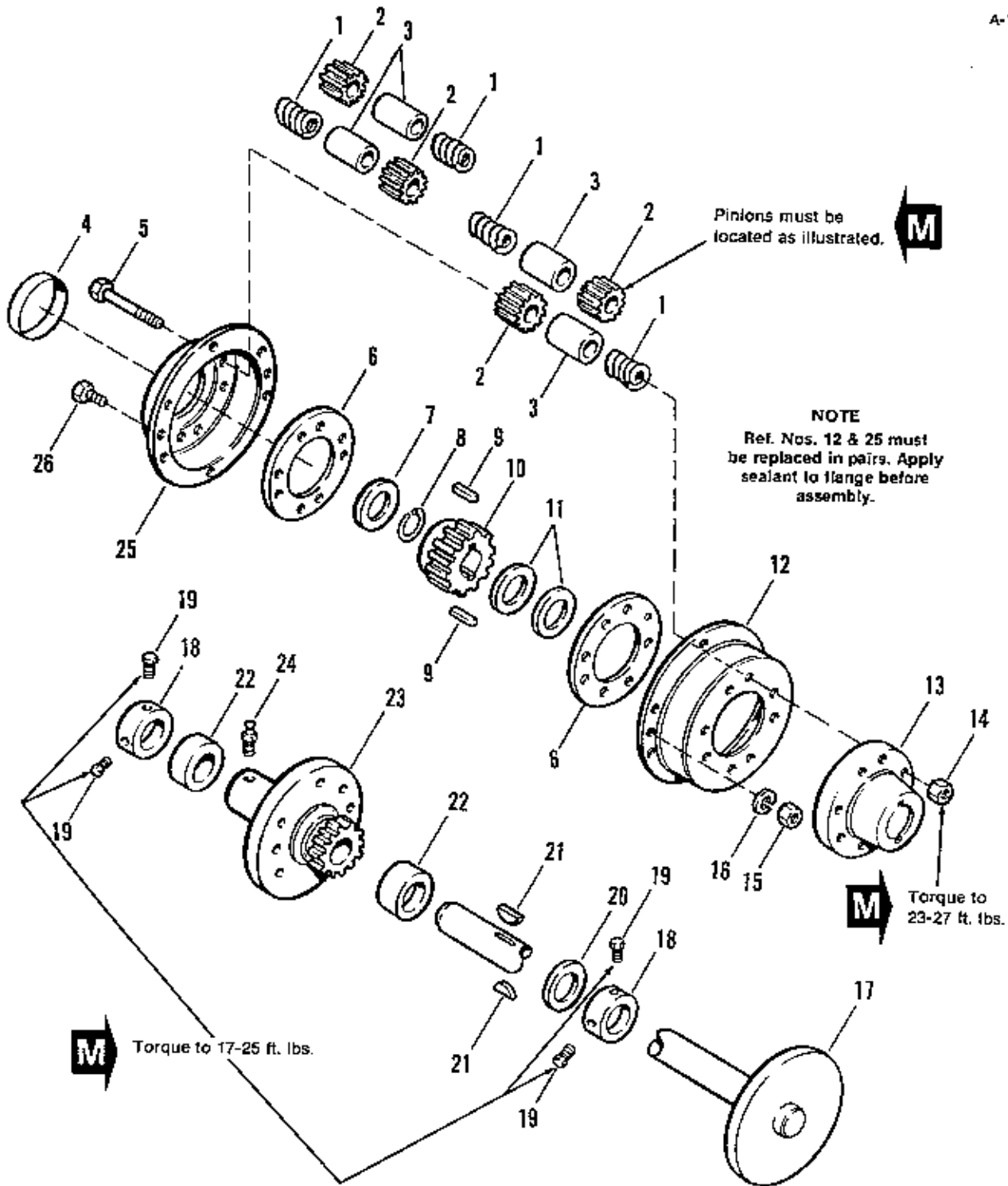
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**NOTE:** Use standard hardware torque spec. chart unless otherwise noted.

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Ref. No.	Part No.	Qty.	Description
1	923027	1	CAPSCREW, Hex Hd., 7/16-14 x 1-3/4
2	918199	6	LOCKWASHER, 7/16
3	166072	1	BAR ASSY., Upright
4	166110	1	SPACER
5	166206	1	BAR ASSY., Upright
6	920677	3	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
7	926110	2	CAPSCREW, Hex Hd., 7/16-14 x 2-3/4
8	166074	1	BAR ASSY., Draw
9	1608759	2	SPACER
10	166075	1	PLATE
11	918213	4	NUT, Hex, Full, 7/16-14

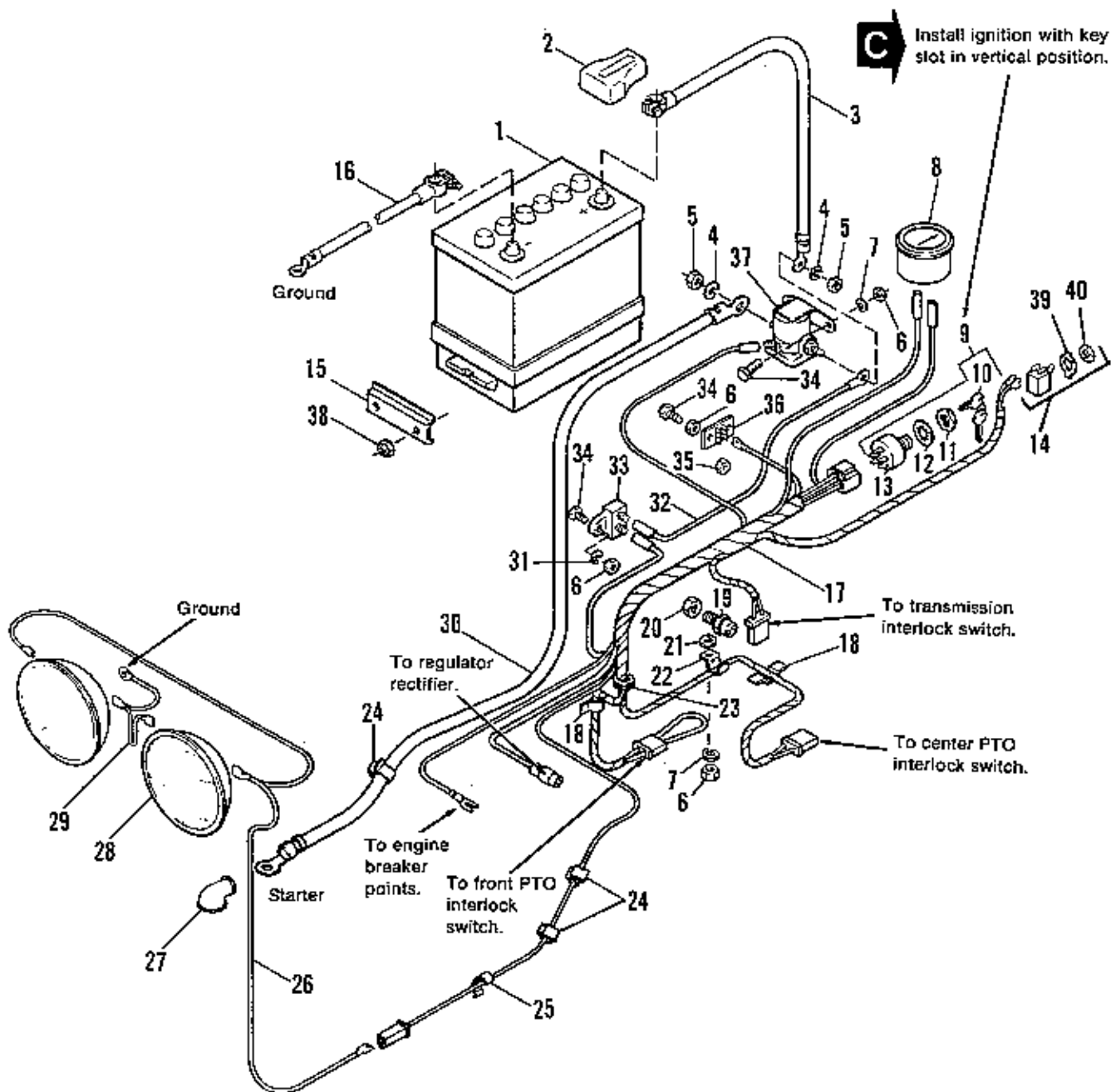


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	*162085	8	SPRING
2	*158579	8	PINION, Differential
3	*121083	8	SPINDLE, Differential
4	*121190	1	SEAL, Cover
5	*921972	8	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
6	*171517	2	RING, Spacer
7	154277	1	WASHER
8	154291	1	RING, Retaining
9	930671	2	KEY, Hi-Pro
10	177041	1	GEAR, Differential
11	171515	2	WASHER
12	*171853	1	COVER, Differential
13	*164217	1	CARRIER, Differential
14	*930651	8	LOCKNUT, Hex, 3/8-16
15	*916622	6	NUT, Hex, Full, 1/4-20
16	*916954	6	LOCKWASHER, 1/4
17	177900	1	AXLE ASSY., Rear
18	154065	2	COLLAR, Set
19	928721	4	SETSCREW, 5/16-18 x 1/2
20	105050	1	WASHER
21	157120	2	KEY, Drive
22	153068	2	BEARING
23	176945	1	HUB ASSY., Wheel, RH
24	915019	1	FITTING, Grease
25	*171854	1	COVER, Differential
26	*921959	6	CAPSCREW, Hex Hd., 1/4-20 x 5/8
	1650519	1	DIFFERENTIAL SUBASSY. (See Note Below)

**\*NOTE: Differential Subassembly (1650519)**

Includes Ref. Nos. 1, 2, 3, 4, 5, 6, 12, 13,  
14, 15, 16, 25 & 26.



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

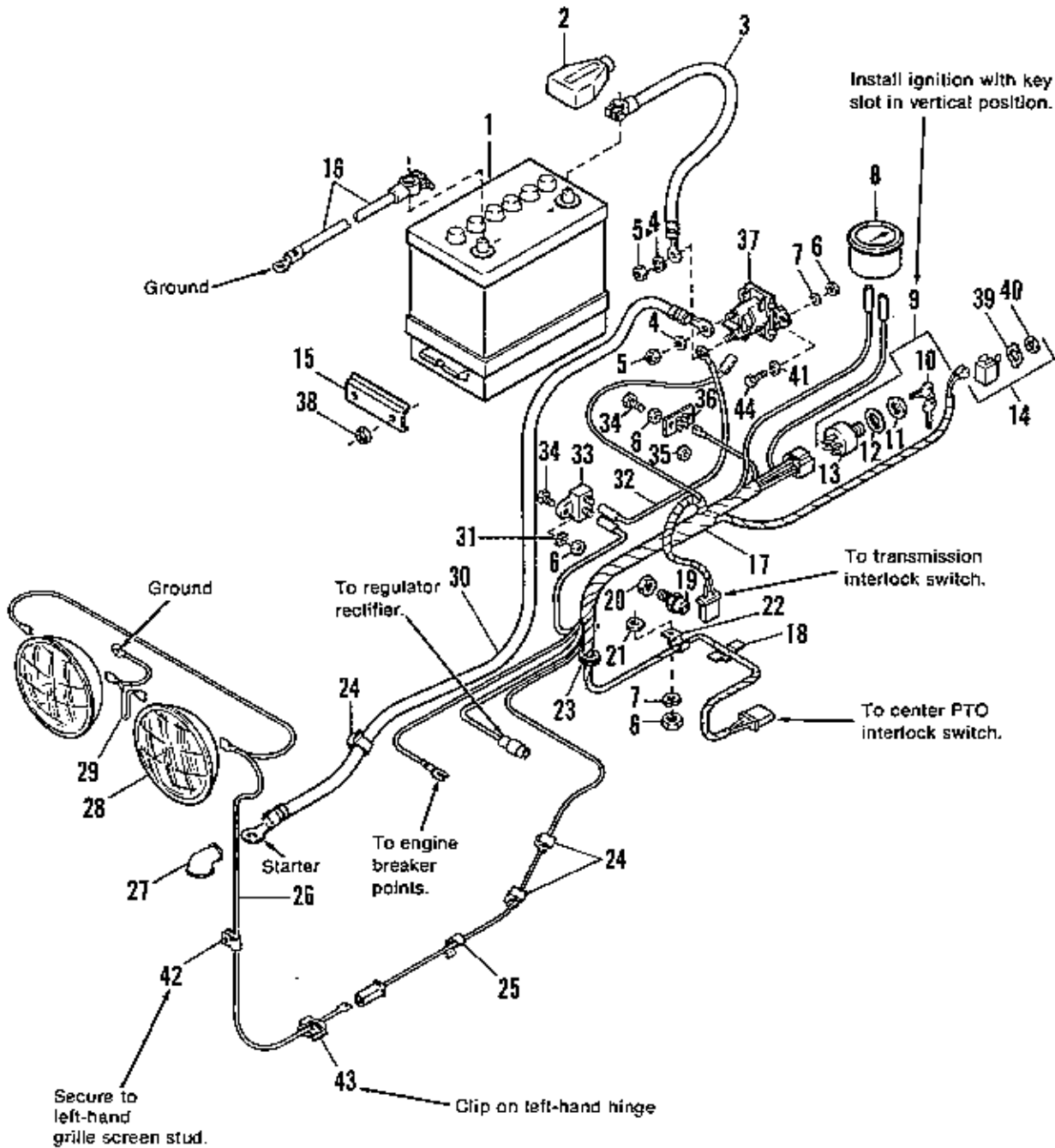


Ref. No.	Part No.	Qty.	Description
1	1685058	1	BATTERY (Includes decal)
2	1657339	1	PROTECTOR, Terminal
3	1665235	1	CABLE (Battery to Solenoid)
4	917356	2	LOCKWASHER, 5/16
5	917372	2	NUT, Hex, Full, 5/16-18
6	916622	6	NUT, Hex, Full, 1/4-20
7	916964	3	LOCKWASHER, 1/4
8	1603189	1	AMMETER
9	178280	1	SWITCH & KEY ASSY., Ignition
10	122203	1	KEY SET (2)
11	122234	1	NUT, Special
12	918906	1	LOCKWASHER, Int., 5/8
13		1	SWITCH, Ignition (See Ref. No. 9)
14	122184	1	SWITCH, Toggle
15	171225	1	CLAMP
16	171811	1	CABLE (Battery to Ground)
17	1666325	1	HARNES ASSY.
18	176912	2	CLIP, Wire
19	177522	1	SWITCH, Interlock
20	930647	1	NUT, Pal
21	924356	1	WASHER, Plain
22	932771	1	CLIP, Cable
23	172175	1	GROMMET
24	172434	3	CLIP, Tinnerman
25	172436	1	CLIP, Tinnerman
26	1666665	1	WIRE ASSY.
27	122023	1	COVER, Terminal
28	1665853	2	LAMP, Sealed Beam, G.E. #4411-1
29	1666731	1	WIRE ASSY.
30	1666328	1	CABLE (Solenoid to Starter)
31	921880	1	LOCKWASHER, Ext., 1/4
32	1685237	1	WIRE ASSY.
33	1665238	1	BREAKER, Circuit
34	921959	5	CAPSCREW, Hex Hd., 1/4-20 x 5/8
35	923358	2	LOCKNUT, Hex, 1/4-20
36	1665230	1	BOARD, Terminal
37	122216	1	SOLENOID, Starter
38	924433	2	LOCKNUT, Hex, Esna, 5/16-18
39	1650878	1	PLATE
40	1650880	1	NUT, Switch

\*Ref. No. 9 includes Ref. Nos. 10, 11, 12 & 13.

Parts listed on page 54 & 55 are used on:  
Mfg. No. 1690569 before serial no. 2505  
Mfg. No. 1690570 before serial no. 1049

A-1150-A



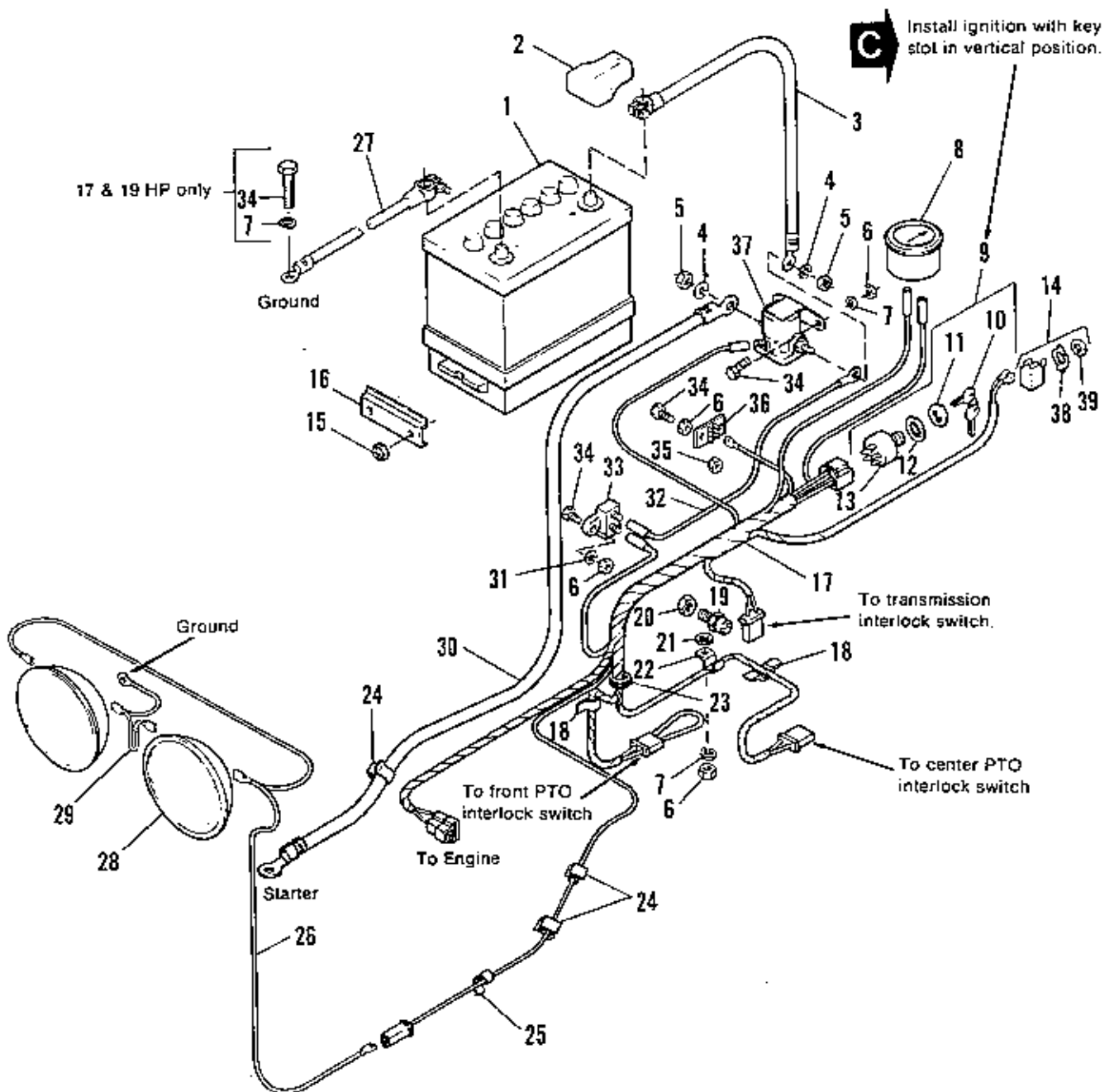
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1685058	1	BATTERY (Includes decal)
2	1669827	1	Insulating Cable Boot
3	1665235	1	CABLE (Battery to Solenoid)
4	917356	1	LOCKWASHER, 5/16 2
5	917372	2	NUT, Hex, Full, 5/16-18
6	916622	6	NUT, Hex, Full, 1/4-20
7	916964	3	LOCKWASHER, 1/4
8	1603189	1	AMMETER
9	*178280	1	SWITCH & KEY ASSY., Ignition
10	122203	1	KEY SET (2)
11	122234	1	NUT, Special
12	918906	1	LOCKWASHER, Int., 5/8
13		1	SWITCH, Ignition (See Ref. No. 9)
14	122184	1	SWITCH, Toggle
15	171225	1	CLAMP
16	171811	1	CABLE (Battery to Ground)
17	1671345	1	HARNES ASSY.
18	176912	1	CLIP, Wire
19	177522	1	SWITCH, Interlock
20	930647	1	NUT, Pal
21	924356	1	WASHER, Plain
22	932771	1	CLIP, Cable
23	172175	1	GROMMET
24	172434	3	CLIP, Tinnerman
25	172436	1	CLIP, Tinnerman
26	1666665	1	WIRE ASSY.
27	122023	1	COVER, Terminal
28	1665853	2	LAMP, Sealed Beam, G.E. #4411-1
29	1666731	1	WIRE ASSY.
30	1666328	1	CABLE (Solenoid to Starter)
31	921880	1	LOCKWASHER, Ext., 1/4
32	1665237	1	WIRE ASSY.
33	1665238	1	BREAKER, Circuit
34	921959	3	CAPSCREW, Hex Hd., 1/4-20 x 5/8
35	923358	2	LOCKNUT, Hex, 1/4-20
36	1665230	1	BOARD, Terminal
37	1671994	1	SOLENOID, Starter
38	924433	2	LOCKNUT, Hex, Esna, 5/16-18
39	1650878	1	PLATE
40	1650880	1	NUT, Switch
41	921319	2	WASHER, Special
42	171382	1	CLAMP, Wire
43	176675	1	CLIP, Speed Cable
44	923341	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4

Parts shown on pages 56 & 57 are used on:

Mfg. No. 1690569 after serial no. 2504

Mfg. No. 1690570 after serial no. 1048



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

Ref. No.	Part No.	Qty.	Description
1	1685058	1	BATTERY (includes decal)
2	1657339	1	PROTECTOR, Terminal
3	1665235	1	CABLE (Battery to Solenoid)
4	917356	2	LOCKWASHER, 5/16
5	917372	2	NUT, Hex, Full, 5/16-18
6	916622	6	NUT, Hex, Full, 1/4-20
7	916964	4	LOCKWASHER, 1/4 (Qty. 3 on 7112 only)
8	1603189	1	AMMETER
9	*1607280	1	SWITCH & KEY ASSY., Ignition
10	122203	1	KEY SET (2)
11	122235	1	NUT, Special
12	918906	1	LOCKWASHER, Int., 5/8
13		1	SWITCH, Ignition (See Ref. No. 9)
14	122184	1	SWITCH, Toggle
15	924433	2	LOCKNUT, Hex, Esna, 5/16-18
16	171225	1	CLAMP
17	1666327	1	HARNES ASSY.
18	176912	2	CLIP, Wire
19	177522	1	SWITCH, Interlock
20	930647	1	NUT, Pal
21	924356	1	WASHER, Plain
22	932771	1	CLIP, Cable
23	172175	1	GROMMET
24	172434	3	CLIP, Tinnerman
25	172436	1	CLIP, Tinnerman
26	1666665	1	WIRE ASSY.
27	171811	1	CABLE (Battery to Ground)
28	1665853	2	LAMP, Sealed Beam, G.E. #4411-1
29	1666731	1	WIRE ASSY.
30	1666328	1	CABLE (Solenoid to Starter)
31	921880	1	LOCKWASHER, External, 1/4
32	1665237	1	WIRE ASSY.
33	1665238	1	BREAKER, Circuit
34	921959	6	CAPSCREW, Hex Hd., 1/4-20 x 5/8
35	923358	2	LOCKNUT, Hex, 1/4-20
36	1665230	1	BOARD, Terminal
37	122216	1	SOLENOID, Starter
38	1650878	1	PLATE
39	1650880	1	NUT, Switch

## Parts listed on pages 58 &amp; 59 are used on:

Mfg. No. 1690473 before serial no. 2599

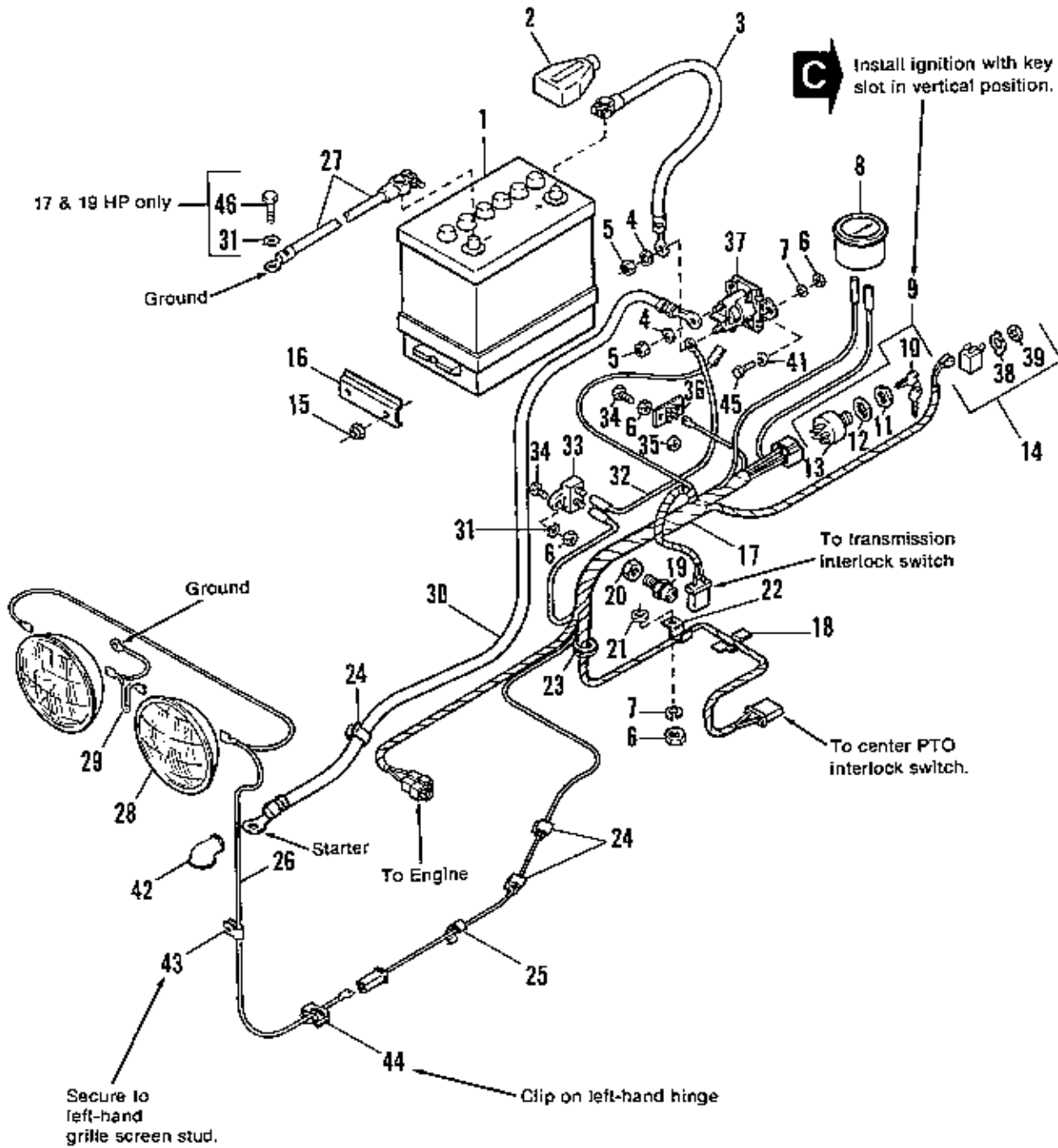
Mfg. No. 1690571 before serial no. 2692

Mfg. No. 1690572 before serial no. 1054

Mfg. No. 1690638 before serial no. 2483

Mfg. No. 1690640 before serial no. 1053

Mfg. No. 1690723 before serial no. 1985



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

Ref. No.	Part No.	Qty.	Description
1	1685058	1	BATTERY (Includes decal)
2	1689827	1	CABLE BOOT, Insulating
3	1685235	1	CABLE (Battery to Solenoid)
4	917356	2	LOCKWASHER, 5/16
5	917372	2	NUT, Hex, Full, 5/16-18
6	916622	6	NUT, Hex, Full, 1/4-20
7	916964	3	LOCKWASHER, 1/4
8	1603189	1	AMMETER
9	1607280	1	SWITCH & KEY ASSY., Ignition
10	122203	1	KEY SET (2)
11	122235	1	NUT, Special
12	918906	1	LOCKWASHER, Int., 5/8
13		1	SWITCH, Ignition (See Ref. No. 9)
14	122184	1	SWITCH, Toggle
15	924433	2	LOCKNUT, Hex, Esna, 5/16-18
16	171225	1	CLAMP
17	1671346	1	HARNES ASSY.
18	176912	1	CLIP, Wire
19	177522	1	SWITCH, Interlock
20	930647	1	NUT, Pal
21	924356	1	WASHER, Plain
22	932771	1	CLIP, Cable
23	172175	1	GROMMET
24	172434	3	CLIP, Tinnerman
25	172436	1	CLIP, Tinnerman
26	1665885	1	WIRE ASSY.
27	171811	1	CABLE (Battery to Ground)
28	1665853	2	LAMP, Sealed Beam, G.E. #4411-1
29	1666731	1	WIRE ASSY.
30	1666328	1	CABLE (Solenoid to Starter)
31	921880	2	LOCKWASHER, Ext., 1/4 (Qty. 1 on 7112 & 7114)
32	1665237	1	WIRE ASSY.
33	1665238	1	BREAKER, Circuit
34	921959	3	CAPSCREW, Hex Hd., 1/4-20 x 5/8
35	923358	2	LOCKNUT, Hex, 1/4-20
36	1665230	1	BOARD, Terminal
37	1671994	1	SOLENOID, Starter
38	1650878	1	PLATE
39	1650880	1	NUT, Switch
41	921319	2	WASHER, Special
42	122023	1	COVER, Terminal
43	171382	1	CLAMP, Wire
44	176675	1	CLIP, Speed Cable
45	923341	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
46	921958	1	CAPSCREW, Hex Hd., 1/4-20 x 1/2 (used on 7117 & 7119 only)

\*Ref. No. 9 includes Ref. Nos. 10, 11, 12 & 13.

Parts listed on pages 60 & 61 are used on:

Mfg. No. 1690473 after serial no. 2598

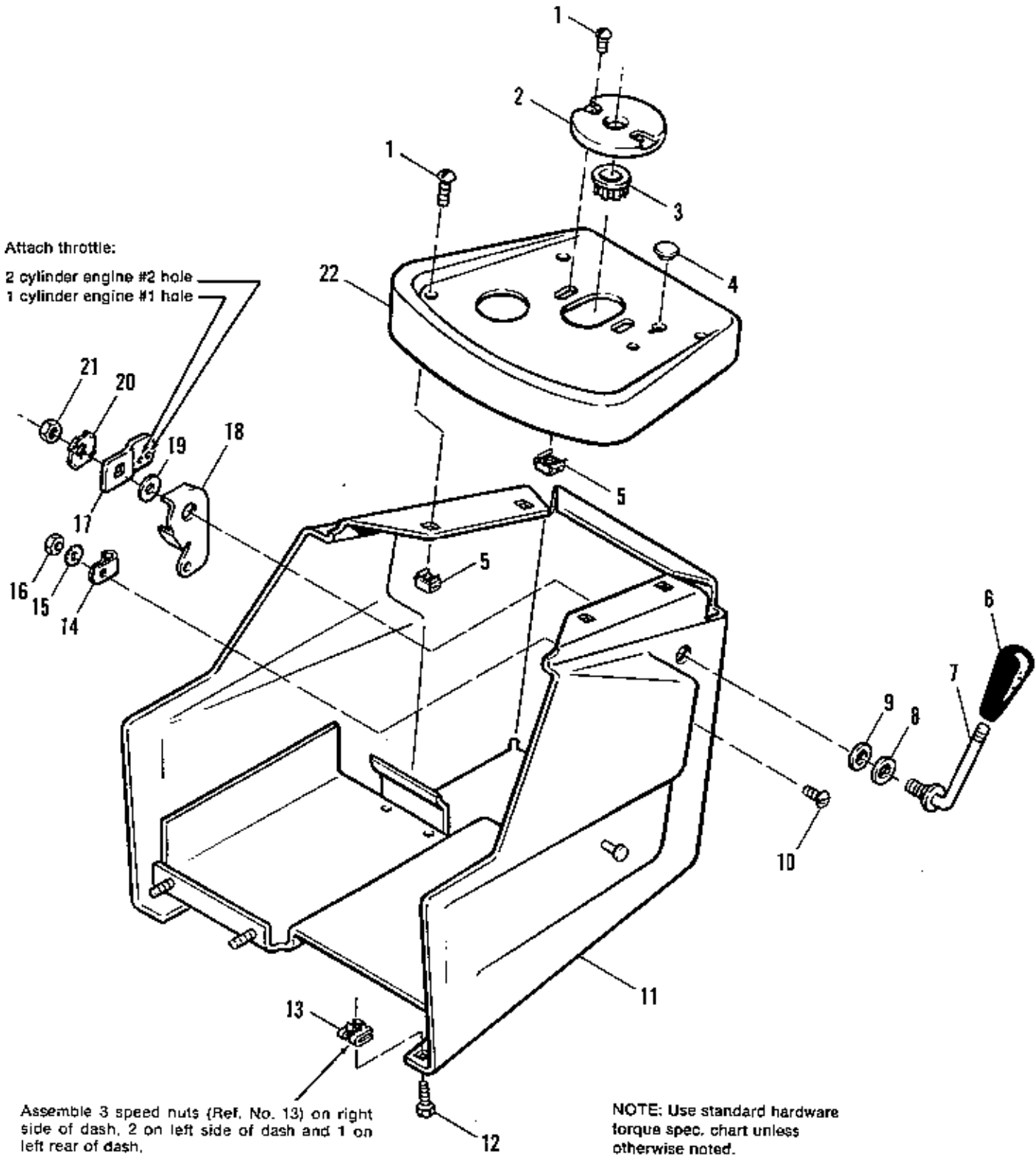
Mfg. No. 1690571 after serial no. 2691

Mfg. No. 1690572 after serial no. 1053

Mfg. No. 1690638 after serial no. 2482

Mfg. No. 1690640 after serial no. 1052

Mfg. No. 1690723 after serial no. 1021

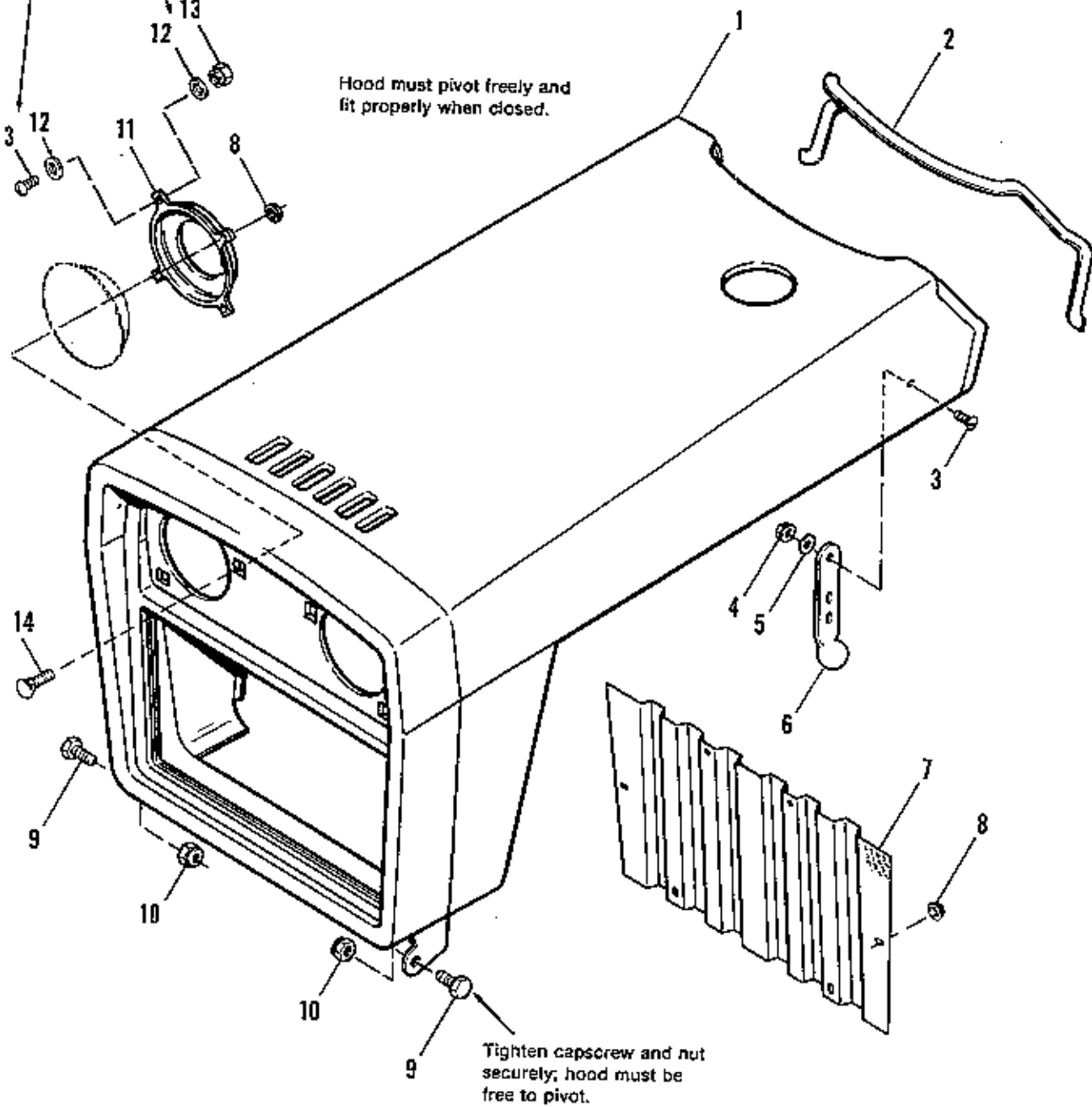




Ref. No.	Part No.	Qty.	Description
1	926025	6	SCREW, Machine, Rd. Hd., 1/4-20 x 1/2
2	172008	1	PLATE, Adjusting, Steering
3	157077	1	BUSHING
4	177447	1	PLUG, Button
5	917867	6	NUT, Tinnerman
6	172038	1	KNOB
7	1651170	1	HANDLE, Clutch Control
8	101025	1	WASHER
9	156116	1	WASHER
10	930531	1	SCREW, Round Hd., #10-32 x 1/2
11	1672198	1	DASH ASSY.
12	930561	8	SCREW, Hex, Self Tapping, #14AB x 3/4
13	928703	6	NUT, Speed
14	158475	1	CLIP, Bowden Wire
15	922711	1	LOCKWASHER, Ext., #10
16	917415	1	NUT, Machine, Hex, #10-32
17	1666703	1	ARM, Throttle
18	171848	1	STOP, Throttle
19	159107	1	WASHER
20	930665	1	LOCKWASHER, Dished Type, 3/8
21	930651	1	LOCKNUT, Hex, 3/8-16
22	1651000	1	PANEL, Instrument

Used with round mtg. holes (early models).

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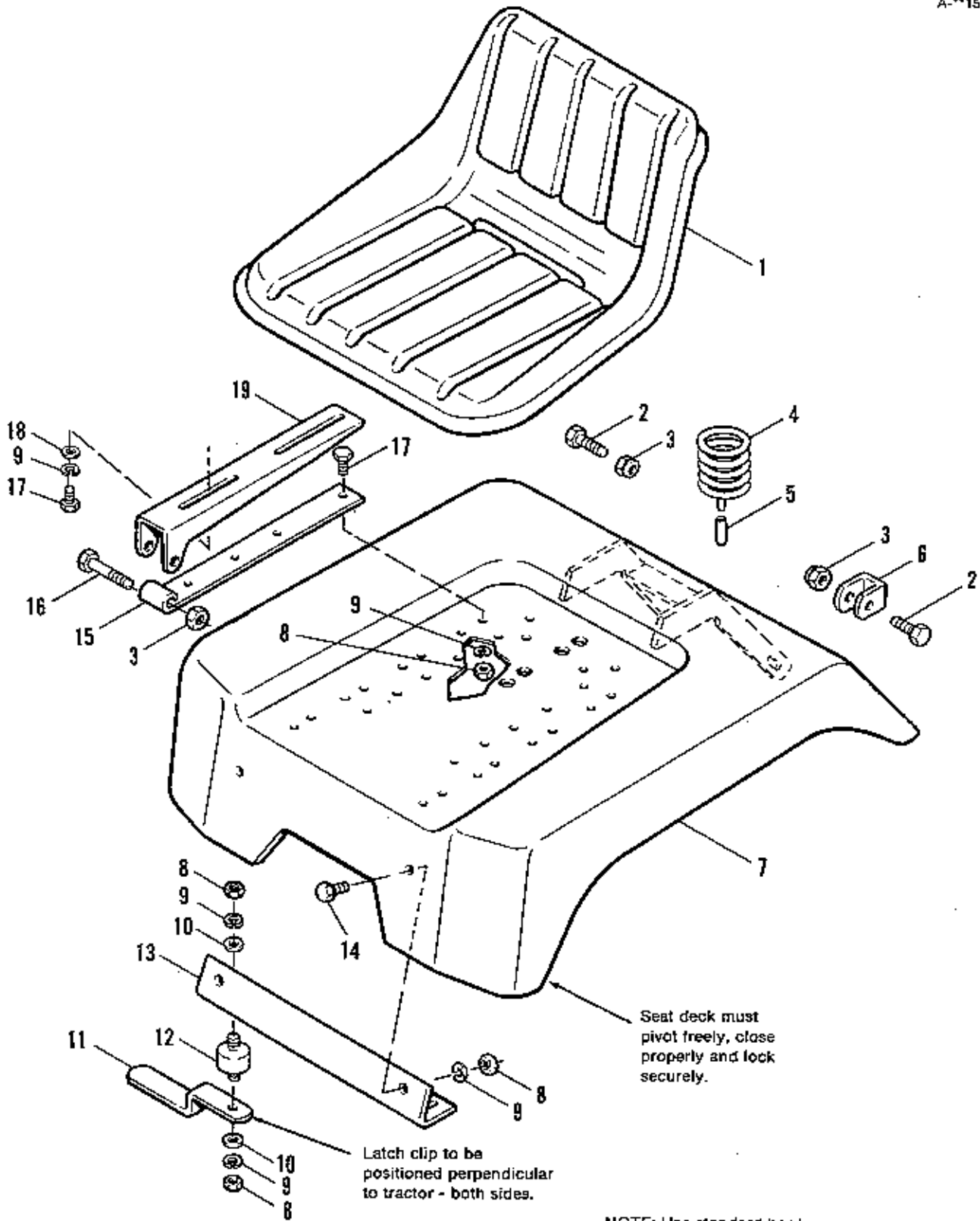
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	*1669399	1	HOOD & GRILLE ASSY.
	**1665945	1	HOOD & GRILLE ASSY.
2	1666163	1	MOULDING, Hood
3	930531	2	SCREW, Truss Hd., #10-32 x 1/2 (Qty. 2 used on early models)
4	930627	2	LOCKNUT, Hex, #10-32
5	171804	2	WASHER, Special
6	171600	2	STRAP, Hood
7	1666148	1	SCREEN
8	1665253	14	LOCKNUT, Pal (Qty. 10 used on later models)
9	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
10	930651	2	LOCKNUT, Hex, 3/8-16
11	1665813	2	BRACKET, Headlight
12	917380	8	WASHER, Flat, 3/16
13	928919	4	NUT & WASHER, #10-32
14	936363	4	BOLT, Carriage, #10-29 x 1/2

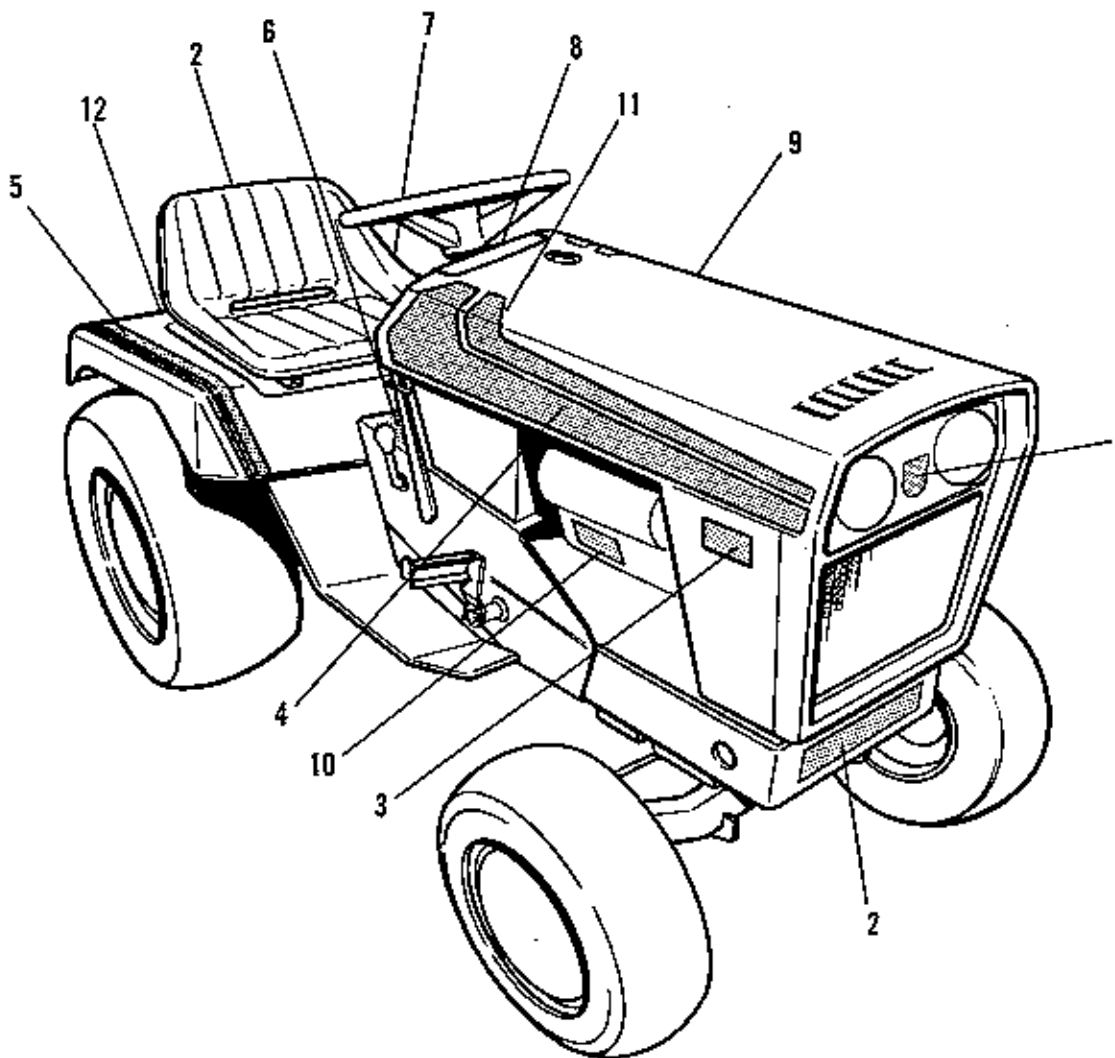
**NOTE: Hood & Grille Assys. differ in the headlight mounting area.**

\*Used on later model tractors where attaching hardware is separate from the hood.

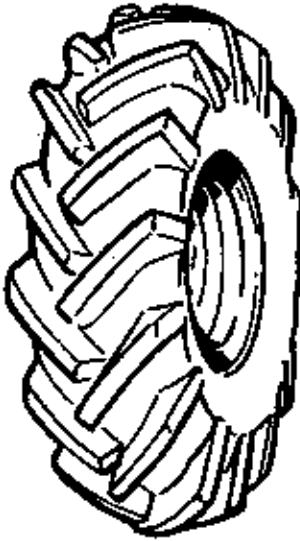
\*\*Used on early model tractors. Hood is equipped with weld studs to mount headlights. Qty. 14, required on Ref. No. 8 for this style.



Ref. No.	Part No.	Qty.	Description
1	1671247	1	SEAT ASSY.
2	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
3	930651	4	LOCKNUT, Hex, 3/8-16
4	1666690	2	SPRING, Seat
5	1666691	2	COVER, Wire
6	1607870	1	STOP, Seat Deck
7	1666501	1	DECK ASSY., Seat
8	917372	12	NUT, Hex, Full, 5/16-18
9	917356	16	LOCKWASHER, 5/16
10	917377	4	WASHER, Plain, 1/4
11	1806823	2	CLIP
12	1666744	2	CONNECTOR, Cushion
13	164029	1	BRACKET, Seat Deck, Front
14	925205	2	CAPSCREW, Hex Hd., 5/16-18 x 5/8
15	1666737	2	HINGE, Lower
16	923701	2	CAPSCREW, Hex Hd., 3/8-16 x 2
17	921332	10	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	917642	4	WASHER, Plain, 5/16
19	1666200	2	HINGE, Upper



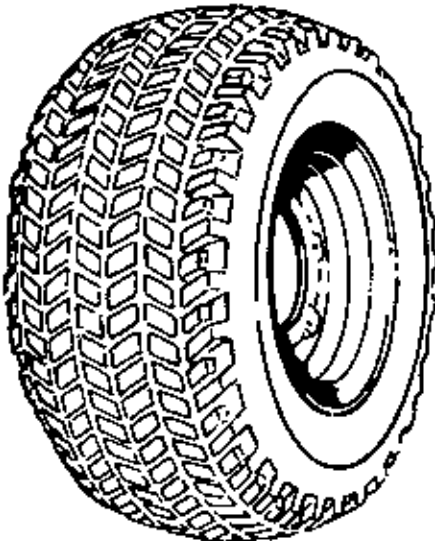
Ref. No.	Part No.	Qty.	Description
1	1669356	1	DECAL, Simplicity Grille
2	153166	2	DECAL, Simplicity
3	1666866	2	DECAL, Model 7112 Hydro
	1669461	2	DECAL, Model 7114 Hydro
	1666869	2	DECAL, Model 7116 Hydro
	1666870	2	DECAL, Model 7117 Hydro
	1668079	2	DECAL, Model 7119 Hydro
4	1669441	1	DECAL, Hood Stripe, RH
5	1657282	1	DECAL, Seat Deck, RH, Stripe
6	1668619	1	DECAL, Console, Hydro
7	1657283	1	DECAL, Seat Deck, LH, Stripe
8	1666873	1	DECAL, Dash, Hydro (7112 & 7114 Only)
	1668328	1	DECAL, Dash, Hydro (7116, 7117 & 7119 Only)
9	1669442	1	DECAL, Hood Stripe, LH
10	1666853	2	DECAL, Simplicity, Twin 17
	1668077	2	DECAL, Simplicity, Twin 19
11	1666680	1	DECAL, Drive Belts
12	1669366	1	DECAL, Cast Iron Trans. (Later Models)
	1670969	1	DECAL, Battery
	157096	1	DECAL, Caution, near battery
	175216	1	FILM, Lift Lever (7112 & 7114 Only) (On Handle)
	1666236	1	DECAL, Warning (under seat deck)
	1667175	1	DECAL, Adjustment, Mower Belt
	1668355	1	DECAL, Hydro Lift (7116, 7117 & 7119) (On lift lever)



Rear Ag Tire



Front Tire



Rear Turf Tire



Front Tire



*Rear Agricultural Tires (All Models)*

Part No.	Qty.	Description
1657752	1	WHEEL & TIRE ASSY., Rear R.H., 23 x 10-1/2 - 12, Ag.
1657753	1	WHEEL & TIRE ASSY., Rear L.H., 23 x 10-1/2 - 12, Ag.
1657694	2	TIRE, 23 x 10-1/2 - 12, Goodyear
157638	2	TUBE
172353	2	VALVE STEM & CAP
173430	2	WHEEL
8261100	10	BOLT, Hub

*Rear Tires, Turf Tread (7112, 7114)*

Part No.	Qty.	Description
173431	2	WHEEL & TIRE ASSY., Rear, 23 x 8-1/2-12, Turf
157024	2	TIRE, Rear, Goodyear, 23 x 8-1/2-12
1605968	2	TIRE, Tubeless, Carlisle, 23 x 8-1/2-12
157602	2	TUBE
172353	2	VALVE STEM & CAP
173430	2	WHEEL, Drive
8261100	10	BOLT, Hub

*Rear Tires, Turf Tread (7116, 7117 & 7119)*

Part No.	Qty.	Description
173432	2	WHEEL & TIRE ASSY., Rear, 23 x 10-1/2-12, Turf
1605967	2	TIRE, Tubeless, Carlisle, 23 x 10-1/2-12
1666894	2	TIRE, Tubeless, Goodyear, 23 x 10-1/2-12
1664215	2	TIRE, Tubeless, Firestone, 23 x 10-1/2-12
157638	2	TUBE
172353	2	VALVE STEM & CAP
173430	2	WHEEL, Drive
8261100	10	BOLT, Hub

*Front Tires (All Models)*

Part No.	Qty.	Description
171376	2	WHEEL & TIRE ASSY., Front 16 x 6-1/2-8, Turf
156305	2	VALVE STEM & CAP
157490	2	TIRE, Front, Goodyear, 16 x 6-1/2-8
1605965	2	TIRE, Carlisle, 16 x 6-1/2-8
164247	2	TUBE
171377	2	WHEEL SUBASSY. (Includes Bearing)
154393	2	CUP, Bearing

# Hardware Identification & Torque Specifications

## Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

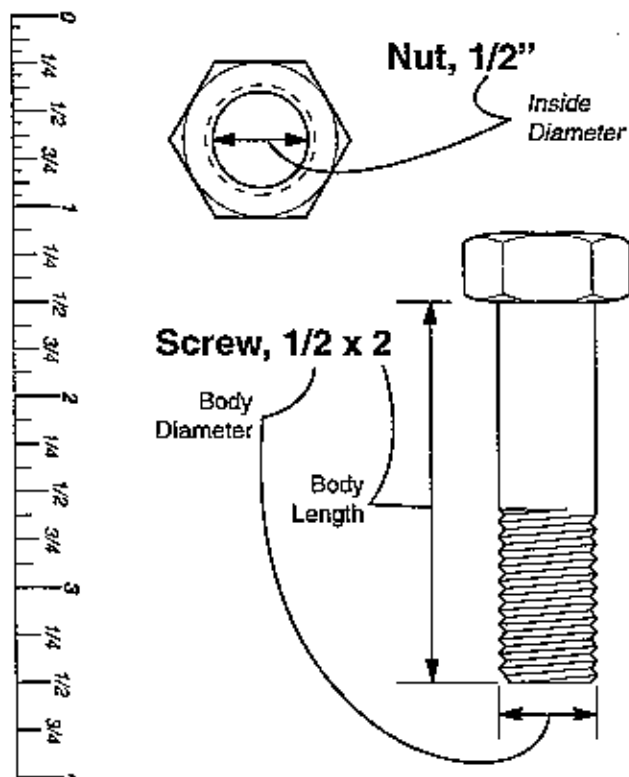


## Standard Hardware Sizing

When a washer or nut is identified as 1/2", this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as 1/2 - 16 x 2", this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

### NOTES

1. 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.
2. Recommended seating torque values for locknuts:
  - a. for prevailing torque locknuts - use 65% of grade 5 torques.
  - b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

## Wrench & Fastener Size Guide



1/4" Bolt or Nut  
Wrench—7/16"



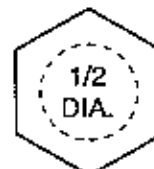
5/16" Bolt or Nut  
Wrench—1/2"



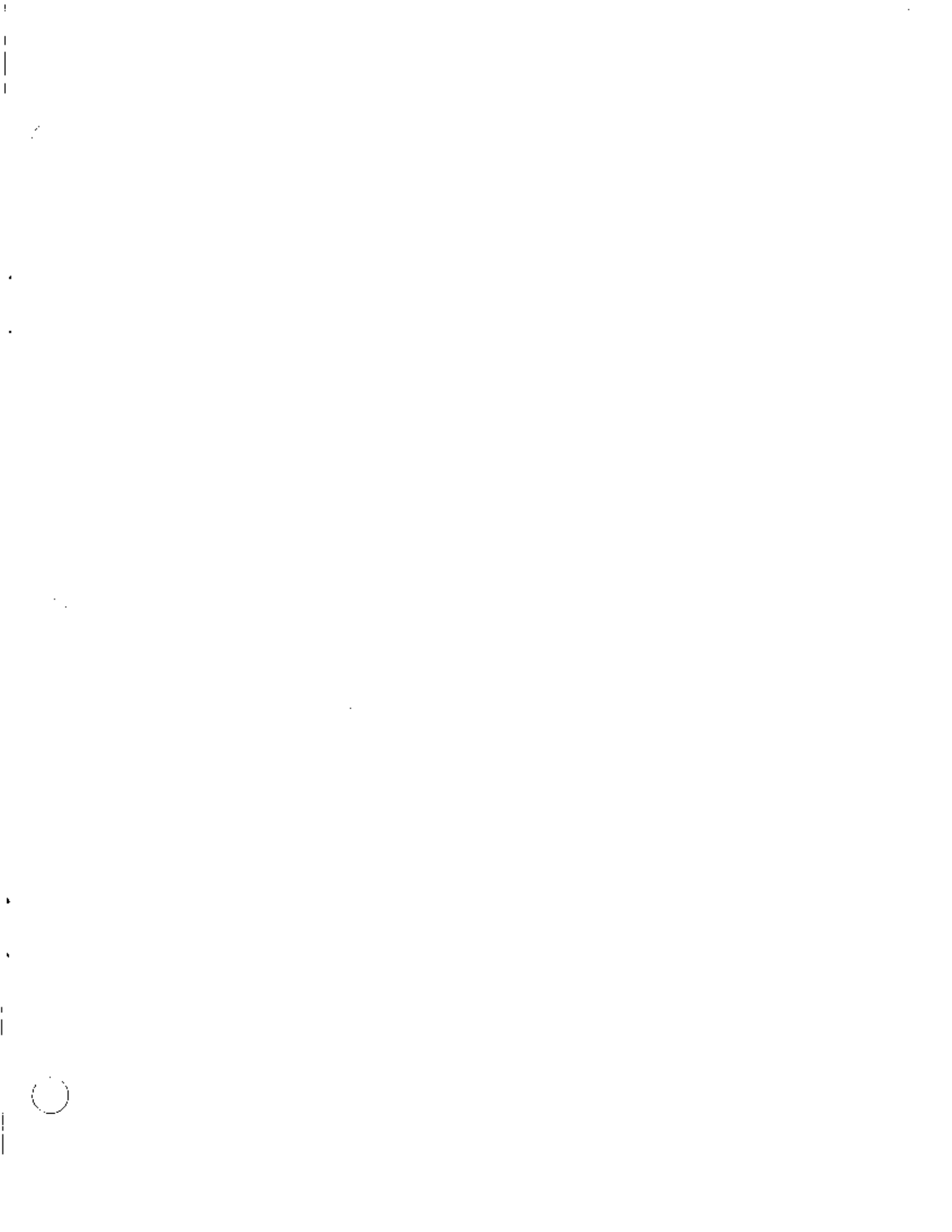
3/8" Bolt or Nut  
Wrench—9/16"



7/16" Bolt or Nut  
Wrench (Bolt)—5/8"  
Wrench (Nut)—11/16"



1/2" Bolt or Nut  
Wrench—3/4"



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