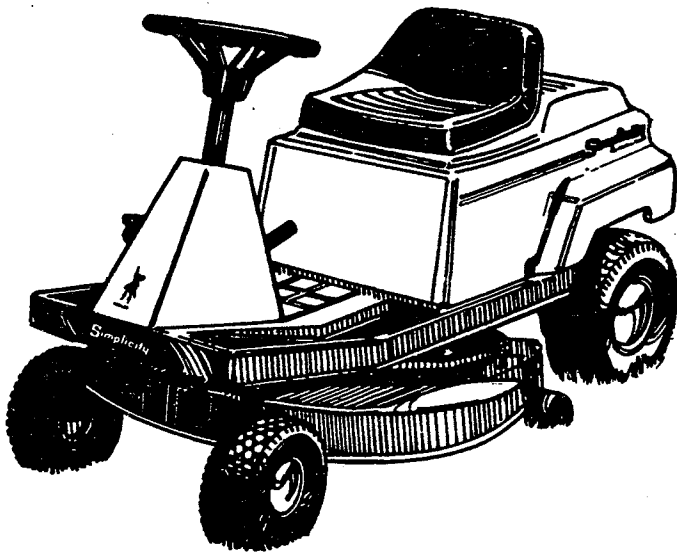


Parts Manual 3100 Series & Attachments



3105 RIDER (MANUAL START)
MFG. NO. 1690525

3108 RIDER (MANUAL START)
MFG. NO. 1690526

3108 RIDER (ELECTRIC START)
MFG. NO. 1690527

3110 RIDER (ELECTRIC START)
MFG. NO. 1690528

26 INCH MOWER
MFG. NO. 1690529

30 INCH MOWER
MFG. NO. 1690530

36 INCH MOWER
MFG. NO. 1690531
MFG. NO. 1690891

REAR GRASS CATCHER
MFG. NO. 1690550

REAR GRASS CATCHER
FOR 36 INCH MOWER
MFG. NO. 1690551

DELUXE GRASS CATCHER
FOR 30 INCH MOWER
MFG. NO. 1690822

DELUXE GRASS CATCHER
FOR 36 INCH MOWER
MFG. NO. 1690820

DUMP CART
MFG. NO. 1600236

TP-792-06
PRINTED IN U.S.A.
853

Simplicity®

Product Identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early and later model products, causing the product serial number to be listed in the parts description whenever these variations occur.

Record your I.D. numbers here for quick, future reference.

Product Mfg. No. _____ S/N _____ Mower Mfg. No. _____ S/N _____

Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings.

CRITICAL and MAJOR notations point out important facts or instructions which relate to personal safety and proper machine operation. Any CRITICAL notation **C** which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any MAJOR notation **M** which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

NOTE: Specifications may change without notice.

SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT
These genuine *Simplicity* products will help the owner extend the life of his equipment.

OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

Special Worm Gear (Roticul) Oil for use in all tillers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. **Case of 12 Quarts, Part #1685100, Individual Quarts 118065.**

Multi-Purpose Hydraulic/Transmission Oil for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific *Simplicity* applications: All hydrostatic transmissions, all bevel gear cases, all Broadmoor, Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions). (Not used in SunStar tractor transmission.) **Case of 12 Quarts, Part #1685516, 2½ Gallon Container, Part #1685539.**

2-Cycle Engine Oil, a premium lubricant for all 2-cycle air-cooled engines. **Case of 12 Part #1685517.**

SAE 5W 30 SF/CD Cold Weather Engine Oil for use in all four cycle and diesel engines at 30° temp. and under. **Case of 12 Quarts, Part # 1685576.**

SAE 15W40 SF/CD Engine Oil for gas and diesel engines, warm weather; see engine manufacturer recommendations. **Case of 12 Quarts, Part #1685554.**

Grease Gun Kit has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease, **Part #1685510.** For replacement tube, order **Part # 103077.**

Pneumatic Tire Seal, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

Case of 12 - 11 Oz. Tubes 1685537
Case of 24 - 11 Oz. Tubes 1685525
5 Gallon Pail 1685527

Touch-Up Paint keeps equipment in showroom condition.

Spray Cans	Quarts	Daubers 12/Ctn.
*Simplicity Orange - 103262 (12 cans/1685179)	1685037	1685520 - Mixed (6 Simp. Orange, 6 White)
**Classic Orange - 1685558 (12 cans/1685559)	1685560	1685562 - Mixed (6 Classic Orange, 6-White)
White 103049 (12 cans/1685178)	1685032	1685562 - Mixed (6-Classic Orange, 6-White) 1685520 - Mixed (6-Simp. Orange, 6-White)
Black - 1685551 (12 Cans/1685552)	N.A.	N.A.

*For 1977 thru early 1986 products.
**For products produced after 12/1/85.

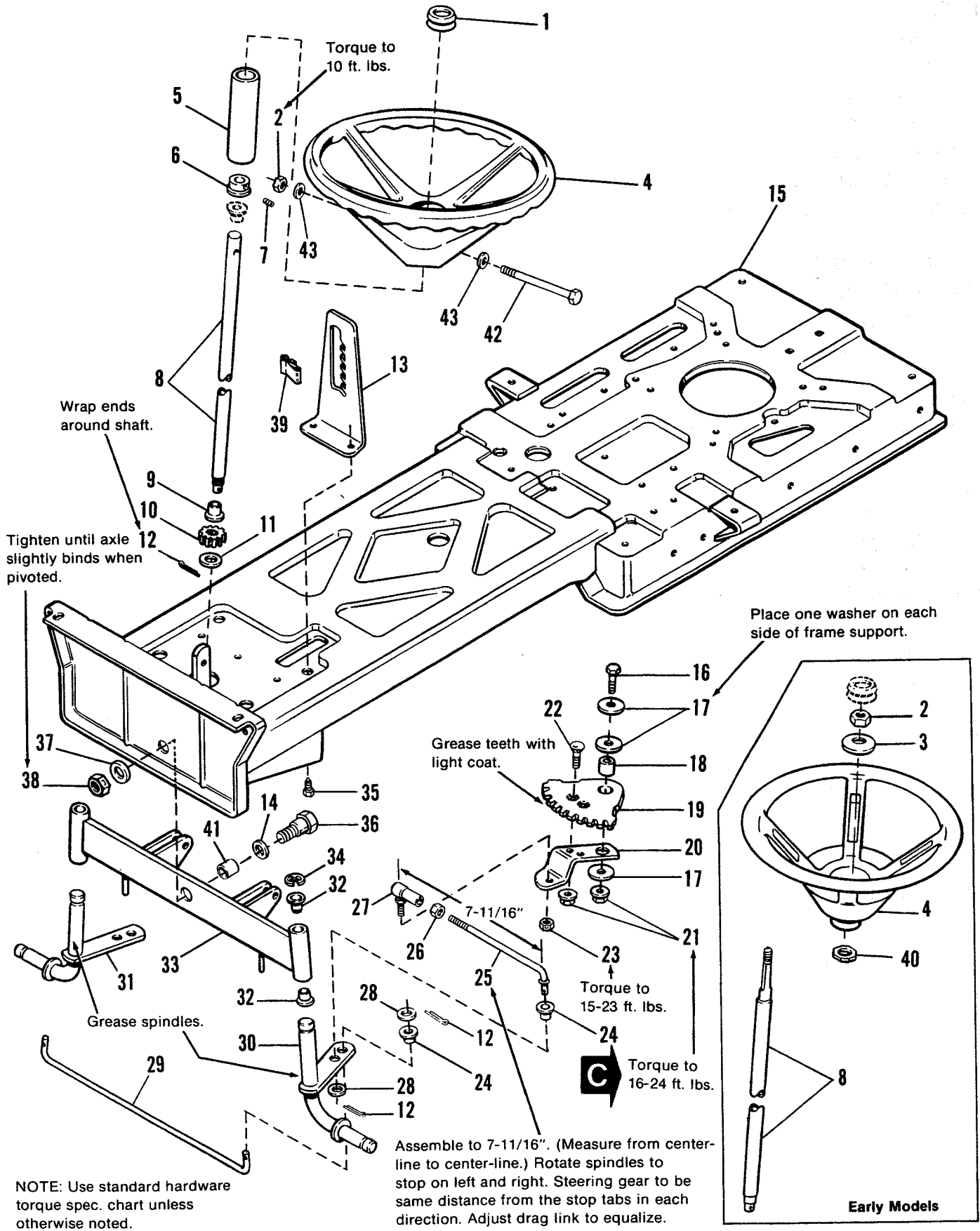
Simplicity Designer Seat Covers are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

- **Small Cover for 4000, 5000,
& 6100 Tractors** 1685540
- **Large Cover for 6200, 7000 &
9000 Tractors** 1685541
- **SunStar Seat Cover** 1685577

Extend Equipment Life - Use Only Genuine *Simplicity* Parts

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STANDARD TORQUE SPECIFICATIONS	Inside Back Cover



Ref. No.	Part No.	Qty.	Description
1	1657017	1	CAP, Steering Wheel
2	923362	1	LOCKNUT, Hex, Jam, 5/16-18
3	**177649	1	WASHER, Compression
4	*1670989	1	STEERING WHEEL
	**1667108	1	STEERING WHEEL
5	1667228	1	TUBE, Steering
6	1666258	1	COLLAR, Set
7	928691	1	SETSCREW, Plated, 5/16-18 x 5/16
8	*1673006	1	SHAFT, Steering
	**1666675	1	SHAFT, Steering
9	176440	1	BUSHING, Nylon
10	1666687	1	PINION, Steering
11	918431	1	WASHER, Plain, 1/2
12	918452	4	PIN, Cotter, 1/8 x 1
13	1665823	1	QUADRANT
14	105010	1	WASHER, Plain
15	1672196	1	FRAME ASSEMBLY
16	923701	1	CAPSCREW, Hex, 13/16 x 2
17	924356	3	WASHER, Plain, 13/32 x 1-1/2
18	1666332	1	SPACER
19	1666686	1	GEAR, Steering
20	1666672	1	ARM, Steering Gear
21	930645	3	LOCKNUT, Hex, Flange, 3/8-16
22	922785	2	BOLT, Carriage, 3/8-16 x 7/8
23	930628	1	LOCKNUT, Hex, 3/8-24
24	1665819	3	BUSHING
25	1665820	1	DRAG LINK
26	918403	1	NUT, Hex, Jam, 3/8-24
27	1669567	1	BALL JOINT
28	922755	3	WASHER, Plain, 3/8
29	1665818	1	ROD, Tie
30	1664257	1	SPINDLE ASSY., L.H.
31	1664258	1	SPINDLE ASSY., R.H.
32	176440	4	BUSHING, Nylon
33	1665058	1	AXLE ASSY.
34	927794	2	E-RING, Retaining (3/4 dia. shaft)
35	924856	2	SCREW, Taptite, 5/16-18 x 1/2
36	935273	1	CAPSCREW, Hex Hd., 1/2-20 x 1-1/2
37	1669570	1	WASHER, Spring
38	930633	1	LOCKNUT, Hex, Jam, 1/2-20
39	935112	1	CLIP
40	**1667574	1	WASHER, Hex
41	1669565	1	SPACER
42	*925690	1	BOLT, Hex, 5/16-18 x 3-1/2
43	*919326	2	WASHER, 5/16

*Used on 1690525 after serial no. 5149
 Used on 1690526 after serial no. 2078
 Used on 1690527 after serial no. 10929
 Used on 1690528 after serial no. 4430

**Used on 1690525 before serial no. 5150
 Used on 1690526 before serial no. 2079
 Used on 1690527 before serial no. 10930
 Used on 1690528 before serial no. 4431

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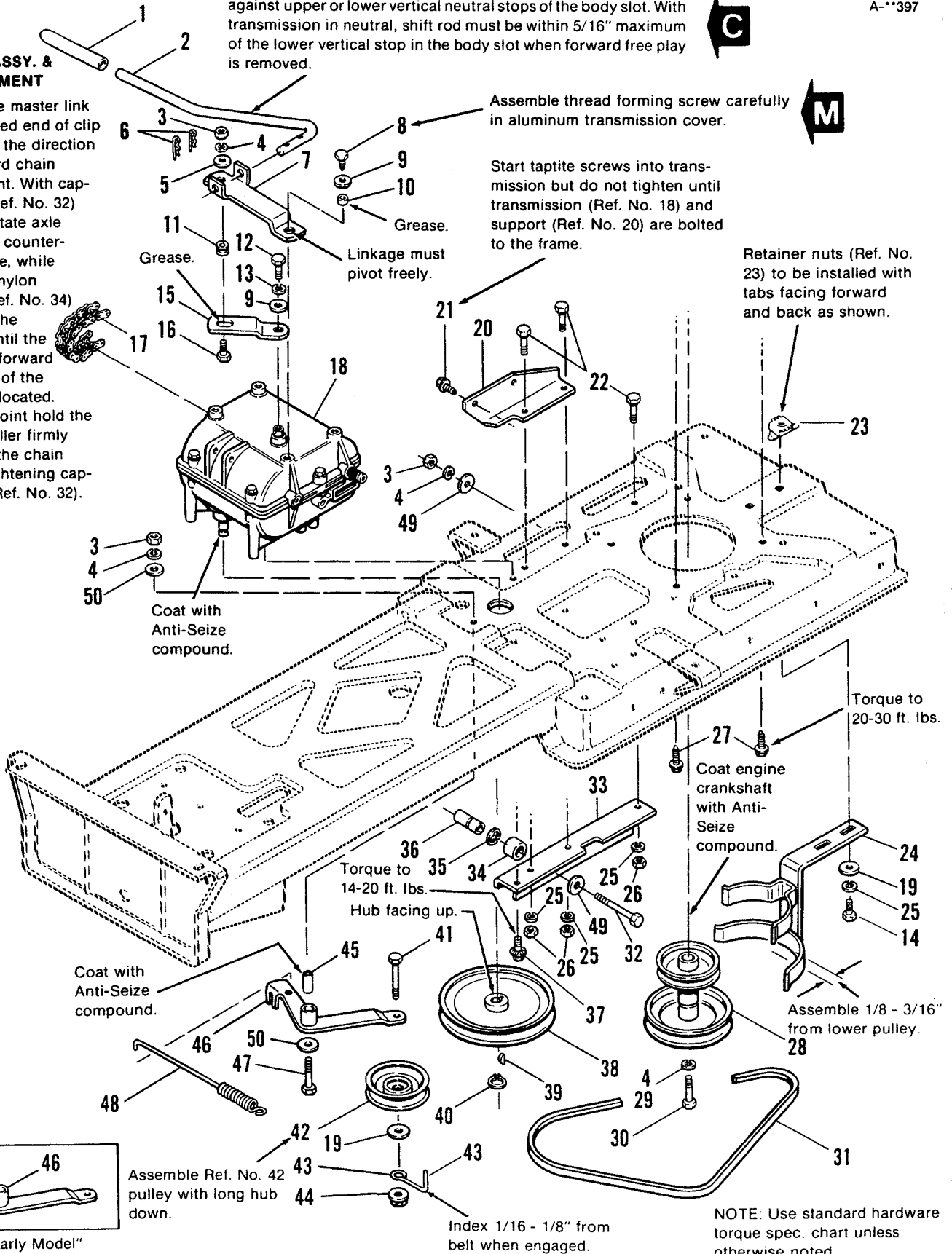
CHAIN ASSY. & ADJUSTMENT

Assemble master link with closed end of clip facing in the direction of forward chain movement. With cap-screw (Ref. No. 32) loose, rotate axle sprocket counter-clockwise, while holding nylon roller (Ref. No. 34) against the chain, until the farthest forward position of the roller is located. At this point hold the nylon roller firmly against the chain while tightening cap-screw (Ref. No. 32).

Transmission must remain in neutral when shift rod with grip is against upper or lower vertical neutral stops of the body slot. With transmission in neutral, shift rod must be within 5/16" maximum of the lower vertical stop in the body slot when forward free play is removed.

C

M

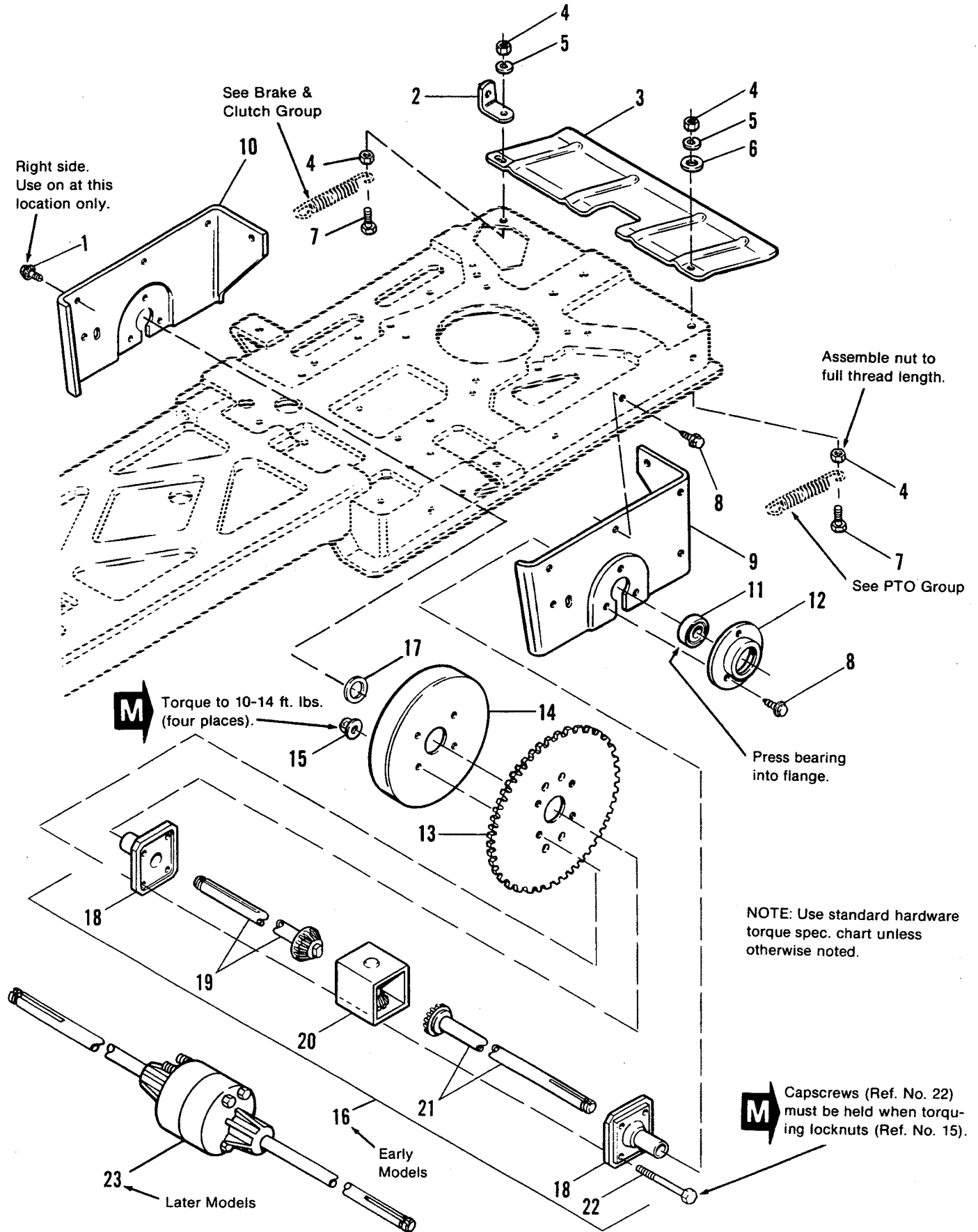


Ref. No.	Part No.	Qty.	Description
1	176933	1	GRIP, Handle
2	1664973	1	ROD, Shift
3	916950	3	NUT, Hex, 3/8-16
4	916965	4	LOCKWASHER, 3/8 (Qty. 3 on 8 & 10 HP)
5	922611	1	WASHER, Plain, 13/32
6	106787	2	CLIP, Hairpin
7	1663554	1	PIVOT, Shift
8	925359	1	SCREW, Hex, Taptite, 5/16-18 x 3/4
9	917377	2	WASHER, Plain, 1/4
10	1665844	1	SPACER
11	108717	1	SPACER
12	922234	1	CAPSCREW, Hex, 1/4-28 x 5/8
13	916964	1	LOCKWASHER, 1/4
14	921333	2	CAPSCREW, Hex 5/16-18 x 1
15	1663555	1	LINK, Shift
16	921210	1	CAPSCREW, Hex, 3/8-16 x 1
17	1668976	1	CHAIN, Roller
18		1	TRANSMISSION, 5-Speed
19	917642	3	WASHER, Plain, 5/16
20	1665692	1	SUPPORT, Transmission
21	927429	2	SCREW, Hex, Taptite, 1/4-20 x 5/8
22	921332	3	CAPSCREW, Hex, 5/16-18 x 3/4
23	916151	2	NUT, Retainer, 5/16-18
24	1667226	1	BELT STOP ASSY.
25	917356	5	LOCKWASHER, 5/16
26	917372	3	NUT, Hex, 5/16-18
27	928635	4	SCREW, Hex, Taptite, 3/8-16 x 1-1/4
28	1666437	1	ENGINE PULLEY ASSY.
29	918199	1	LOCKWASHER, 7/16 (8 & 10 HP only)
30	920353	1	CAPSCREW, 7/16-20 x 1-1/2 (8 & 10 HP only)
	922128	1	CAPSCREW, 3/8-24 x 1-1/2 (5 HP only)
31	1665706	1	V-BELT
32	923903	1	CAPSCREW, Hex, 3/8-16 x 3
33	1665690	1	SUPPORT, Chain
34	170177	1	ROLLER
35	927794	1	E-RING, Retainer
36	1664681	1	SPACER, Roller
37	930591	4	SCREW, Hex, Whizlock, 5/16-18 x 3/4
38	1666316	1	PULLEY ASSY.
39	905123	1	KEY, Woodruff, #9
40	927103	1	RING, Retaining
41	921971	1	CAPSCREW, Hex, 3/8-16 x 1-3/4
42	1668827	1	PULLEY, Idler
43	1656054	1	STOP, Belt
44	930645	1	LOCKWASHER, Hex, Flange, 3/8-16
45	1664613	1	SPACER
46	**1669116	1	CLUTCH ARM ASSY.
	***1685216	1	CLUTCH ARM ASSY.
47	923701	1	CAPSCREW, Hex, 3/8-16 x 2
48	1666864	1	SPRING
49	922755	2	WASHER, Plain, 13/32 x 1 x 10 Ga.
50	917378	2	WASHER, Plain, 3/8

***NOTE:** See an authorized Tecumseh dealer for parts and service. Peerless transmissions and repair parts are not available thru *Simplicity*.

**Used on 1690525 before serial no. 4536
Used on 1690526 before serial no. 2078
Used on 1690527 before serial no. 6911
Used on 1690528 before serial no. 2871

***Used on 1690525 after serial no. 4537
Used on 1690526 after serial no. 2079
Used on 1690527 after serial no. 6912
Used on 1690528 after serial no. 2872



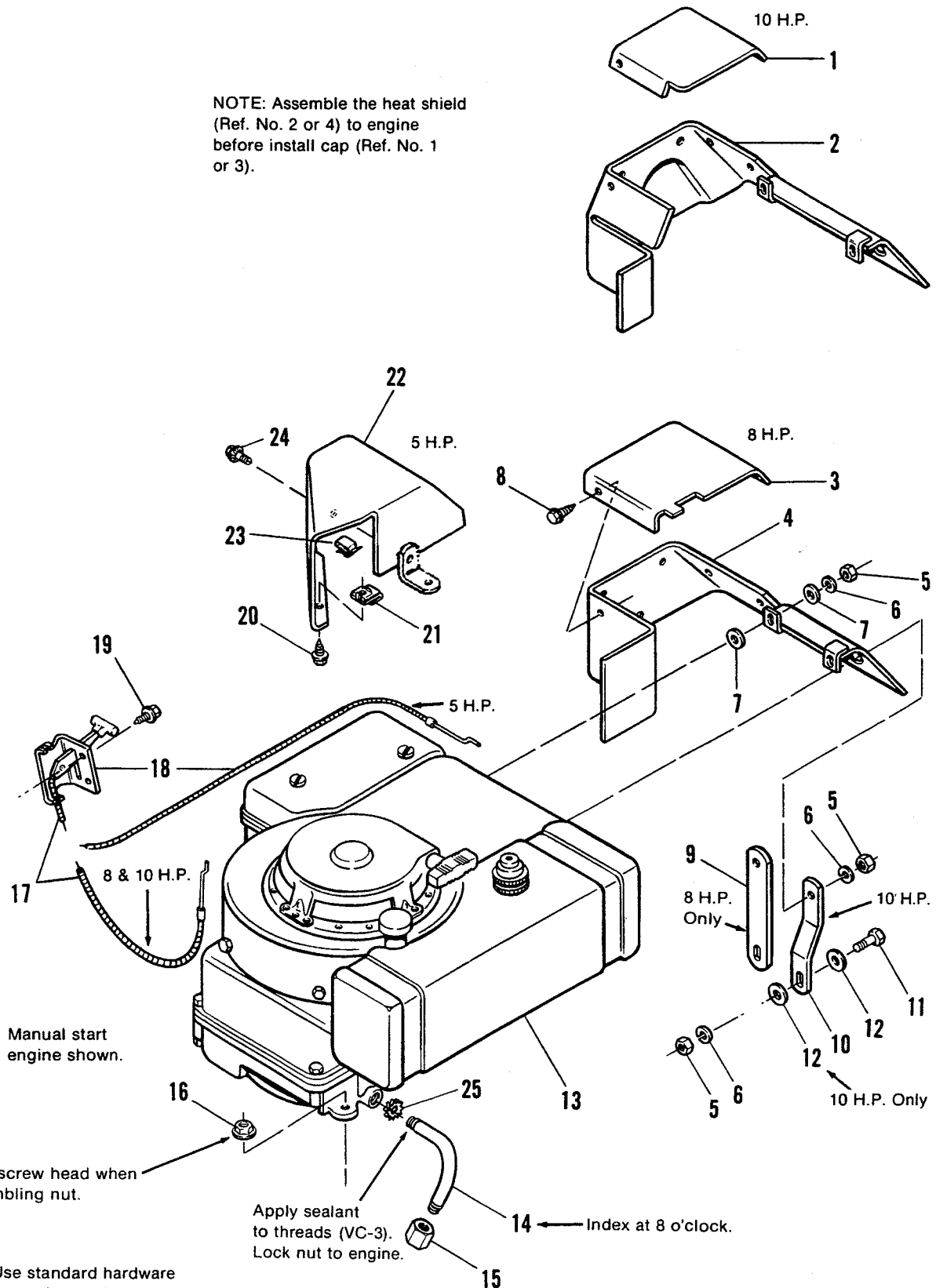
Ref. No.	Part No.	Qty.	Description
1	928729	1	SCREW, Hex, Wash. Hd., Taptite, 5/16-18 x 3/8
2	1668501	1	CLIP
3	1668493	1	DEFLECTOR, Heat
4	917372	4	NUT, Hex, 5/16-18
5	917356	2	LOCKWASHER, 5/16
6	917642	1	WASHER, Plain, 5/16
7	921221	2	CAPSCREW, Hex, 5/16-18 x 1-1/2
8	924856	15	SCREW, Taptite, Washer Hd., 5/16-18 x 1/2
9	1665711	1	AXLE SUPPORT, L.H.
10	1667510	1	AXLE SUPPORT, R.H.
11	108202	2	BEARING, Ball
12	1665696	2	FLANGE, Bearing
13	1668296	1	SPROCKET
14	1668295	1	DRUM, Brake
15	935048	4	LOCKNUT, Hex, Flange, 5/16-18
*16	1685190	1	DIFFERENTIAL SERVICE KIT (Includes Ref. Nos. 13, 14, 15, 17 & 23)
17	108181	1	WASHER, Plain
*18	1668422	2	END CAP & BEARING ASSY.
*19	1667109	1	AXLE GEAR ASSY., R.H.
*20	1667112	1	TRANSMISSION GEAR CASE ASSY.
*21	1667110	1	AXLE GEAR ASSY., L.H.
*22	925690	4	CAPSCREW, Hex, 5/16-18 x 3-1/2
**23		1	DIFFERENTIAL AXLE ASSY., Peerless, Model 100-009 (See note below.)

NOTE: See an authorized Tecumseh dealer for parts and service.
Repair parts for Peerless Differential, Ref. No. 23, not available thru *Simplicity*. See page 62 for parts breakdown of differential.

*Used on 1690525 before serial no. 3522
 Used on 1690526 before serial no. 1931
 Used on 1690527 before serial no. 5075
 Used on 1690528 before serial no. 2511

**Used on 1690525 after serial no. 3521
 Used on 1690526 after serial no. 1930
 Used on 1690527 after serial no. 5074
 Used on 1690528 after serial no. 2510

NOTE: Assemble the heat shield (Ref. No. 2 or 4) to engine before install cap (Ref. No. 1 or 3).



Manual start engine shown.

Hold screw head when assembling nut.

Apply sealant to threads (VC-3). Lock nut to engine.

Index at 8 o'clock.

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

Ref. No.	Part No.	Qty.	Description
1	1666171	1	CAP, Heat Shield (10 HP Only)
2	1668498	1	SHIELD ASSY., Heat (10 HP Only)
3	1666016	1	CAP, Heat Shield (8 HP Only)
4	1668499	1	SHIELD ASSY., Heat (8 HP Only)
5	917372	4	NUT, Hex, 5/16-18 (8 & 10 HP Only)
6	917356	4	LOCKWASHER, 5/16-18 (8 & 10 HP Only)
7	917642	4	WASHER, Plain, 5/16 (8 & 10 HP Only)
8	923735	5	SCREW, Hex, Thd. Forming, #10 x 3/8 (8 & 10 HP Only)
9	1665855	1	STRAP, Cylinder Head (8 HP Only)
10	1665842	1	STRAP, Cylinder Head (10 HP Only)
11	921221	1	CAPSCREW, Hex, 5/16-18 x 1-1/2 (8 & 10 HP Only)
12	917642	2	WASHER, Plain, 5/16 (8 HP - qty. 1)
*13		1	ENGINE, 5 HP Man. Start
		1	ENGINE, 8 HP Man. Start
		1	ENGINE, 8 HP Elec. Start
		1	ENGINE, 10 HP Elec. Start
14	1664989	1	DRAIN, Oil
15	1667346	1	CAP, 3/8
16	931211	1	LOCKNUT, Whiz, 3/8-16 (5 HP Only)
17	1663795	1	CONTROL, Throttle (8 & 10 HP Only)
18	1663794	1	CONTROL, Throttle (5 HP Only)
19	927428	2	SCREW, Hex, Taptite, 1/4-20 x 3/8
20	929477	1	SCREW, Hex, Taptite, #10 x 1/2
21	920299	1	U-NUT, #10 (5 HP Only)
22	1668436	1	SHIELD, Heat (5 HP Only)
23	930222	1	CLIP (5 HP Only)
24	928729	1	CAPSCREW, Hex Hd., Taptite, 5/16-18 x 3/8
25	932849	1	LOCKNUT, Conduit, 3/8

Throttle Control Assy.

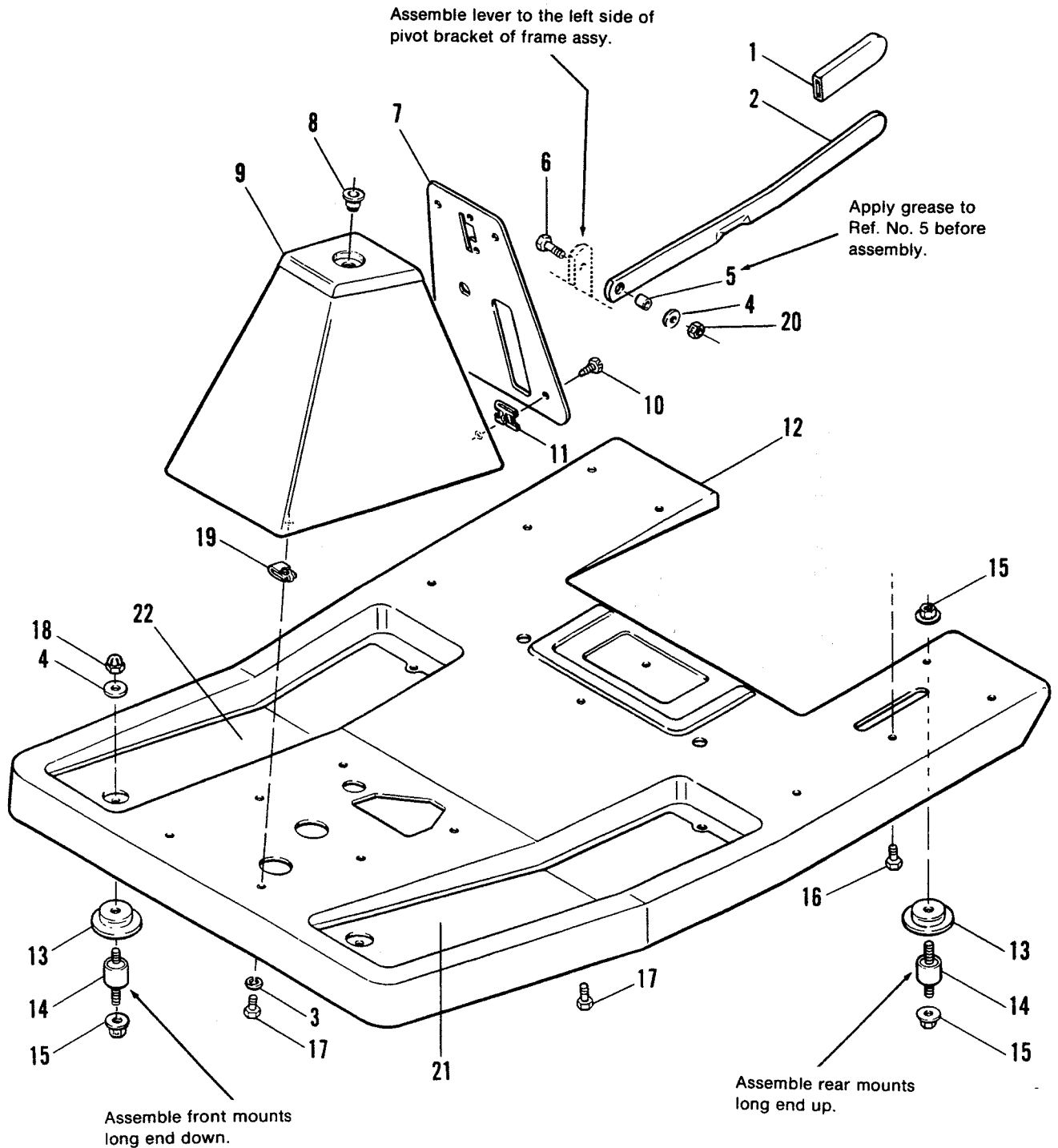
Route control conduit through the right side of the quadrant opening. Attach to the right side of the quadrant with (Ref. No. 39, page 3) clip. Route conduit with gradual bends. Do not kink or make sharp bends.

Move control handle to the full choke position. Slide conduit in the engine clamp until the choke linkage is fully actuated. Tighten the clamp

The 5 HP engine must operate at 3600 ± 100 RPM with control in the fast detent position.

8 & 10 HP engines must operate at 3400 ± 100 RPM with control in the fast detent position.

*See an authorized Briggs & Stratton dealer for parts and service.

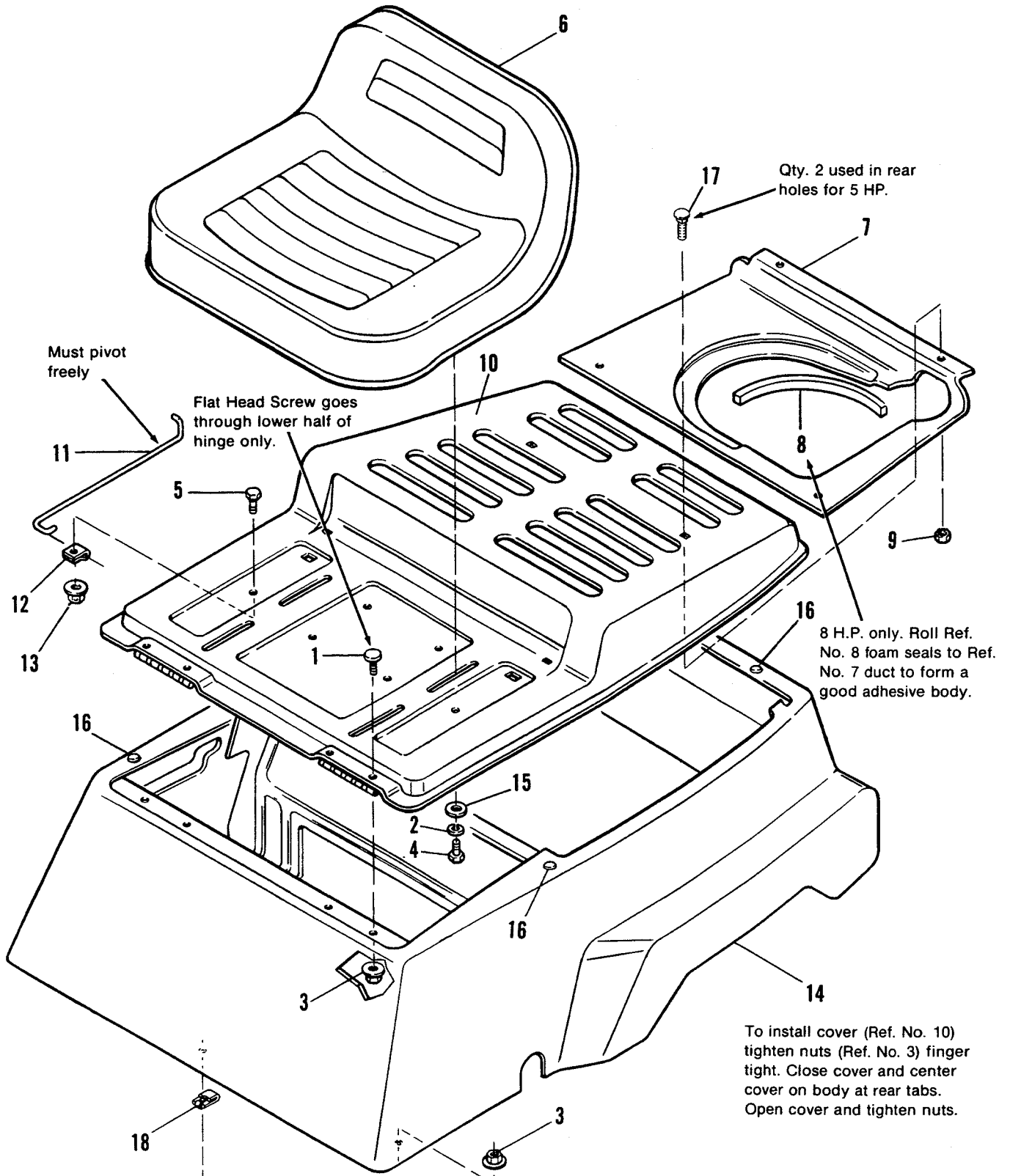


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

NOTE: Assemble front mounts to body before installing mats. Center front of mat on body mount nut and rear on drain hole.

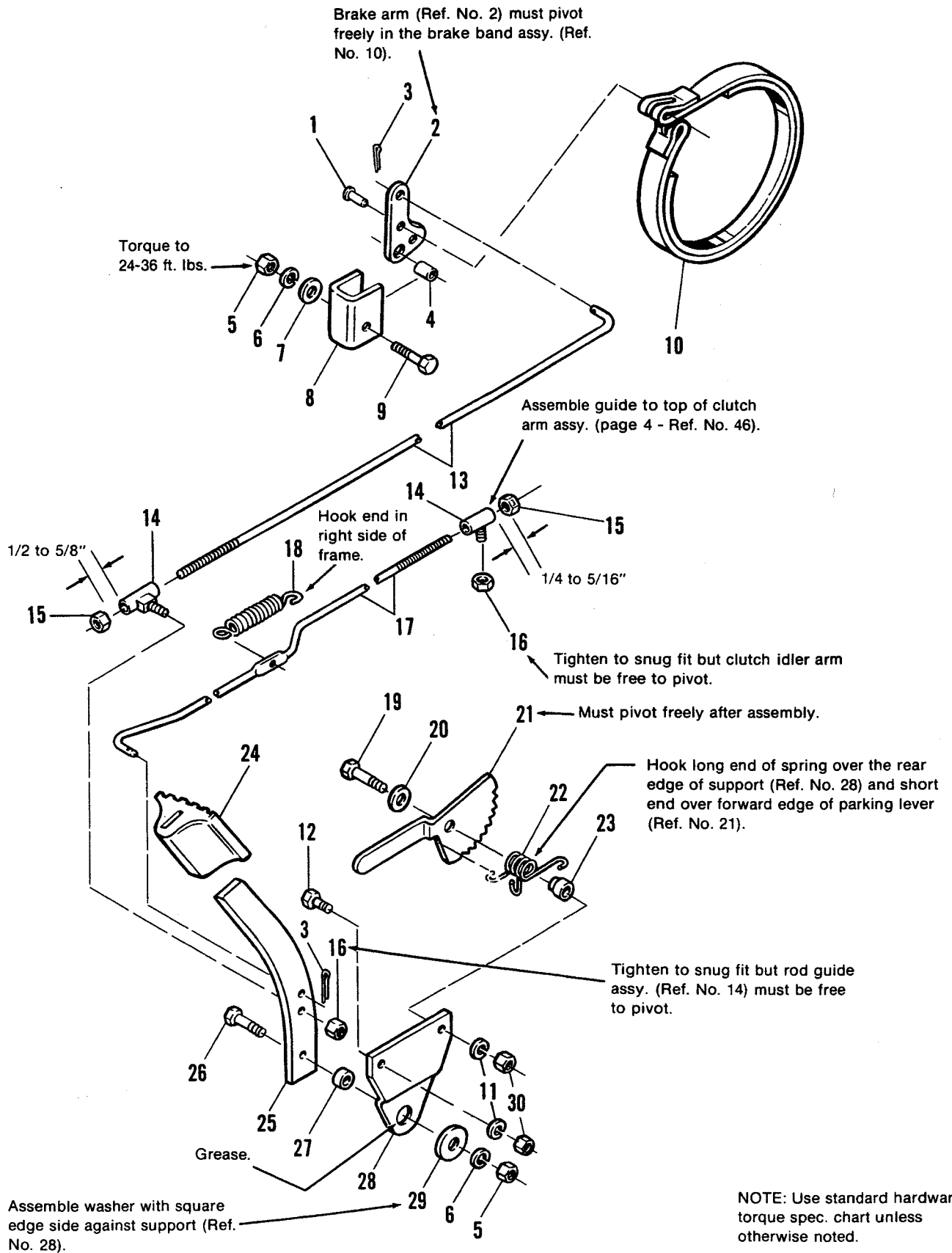
Ref. No.	Part No.	Qty.	Description
1	1665835	1	GRIP, Lever
2	1665792	1	LEVER, Lift
3	917356	6	LOCKWASHER, 5/16
4	919381	3	WASHER, Plain, 5/16
5	1665889	1	SPACER
6	921333	1	CAPSCREW, Hex, 5/16-18 x 1
7	1665793	1	PANEL, Steering Column
8	176440	1	BUSHING, Nylon
9	1665725	1	STEERING COLUMN ASSY.
10	922122	4	SCREW, Hex, Thd. Forming, #10 x 1/2
11	920299	4	U-NUT, #10 x 1/2
12	1665590	1	BODY, Front
13	1666622	4	RESTRAINER
14	157094	4	CONNECTOR, Cushion
15	927557	6	LOCKNUT, Flange, Whiz, 5/16-18
16	925205	6	CAPSCREW, 5/16-18 x 5/8
17	921332	7	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	933707	2	NUT, Acorn, 5/16-18
19	935255	6	NUT, Speed, 5/16-18
20	923362	1	LOCKNUT, Hex, 5/16-18
21	1666695	1	MAT, Foot, L.H.
22	1666694	1	MAT, Foot, R.H.

NOTE: Body & Seat Group cont'd on the following page.



Ref. No.	Part No.	Qty.	Description
1	936357	4	SCREW, Flat Hd., 5/16-18 x 7/16
2	917356	10	LOCKWASHER, 5/16
3	927557	10	LOCKNUT, Flange, Whiz, 5/16-16
4	925205	10	CAPSCREW, 5/16-18 x 5/8
5	921958	1	CAPSCREW, Hex, 1/4-20 x 1/2
6	1663656	1	SEAT, (5 HP)
	1667867	1	SEAT (8 & 10 HP)
7	1668279	1	DUCT, Inlet (8 & 10 HP Only)
8	1666926	2	SEAL, Foam (8 HP Only)
9	1665253	4	PALNUT, #10-24 (Qty. 2 on 5 HP)
10	1670595	1	COVER ASSY.
11	1666973	1	ROD, Cover Support
12	934833	1	CLAMP
13	930642	1	LOCKNUT, Flange, 1/4-20
14	1665613	1	BODY ASSY.
15	917642	4	WASHER, Plain, 5/16
16	1670675	4	PLUG, Bumper
17	936363	4	BOLT, Carriage, #10-24 x 1/2 (Qty. 2 on 5 HP)
18	935255	1	NUT, Speed, 5/16-18 (Qty. 2 on 5 HP)

NOTE: Body & Seat Group cont'd from preceding page.

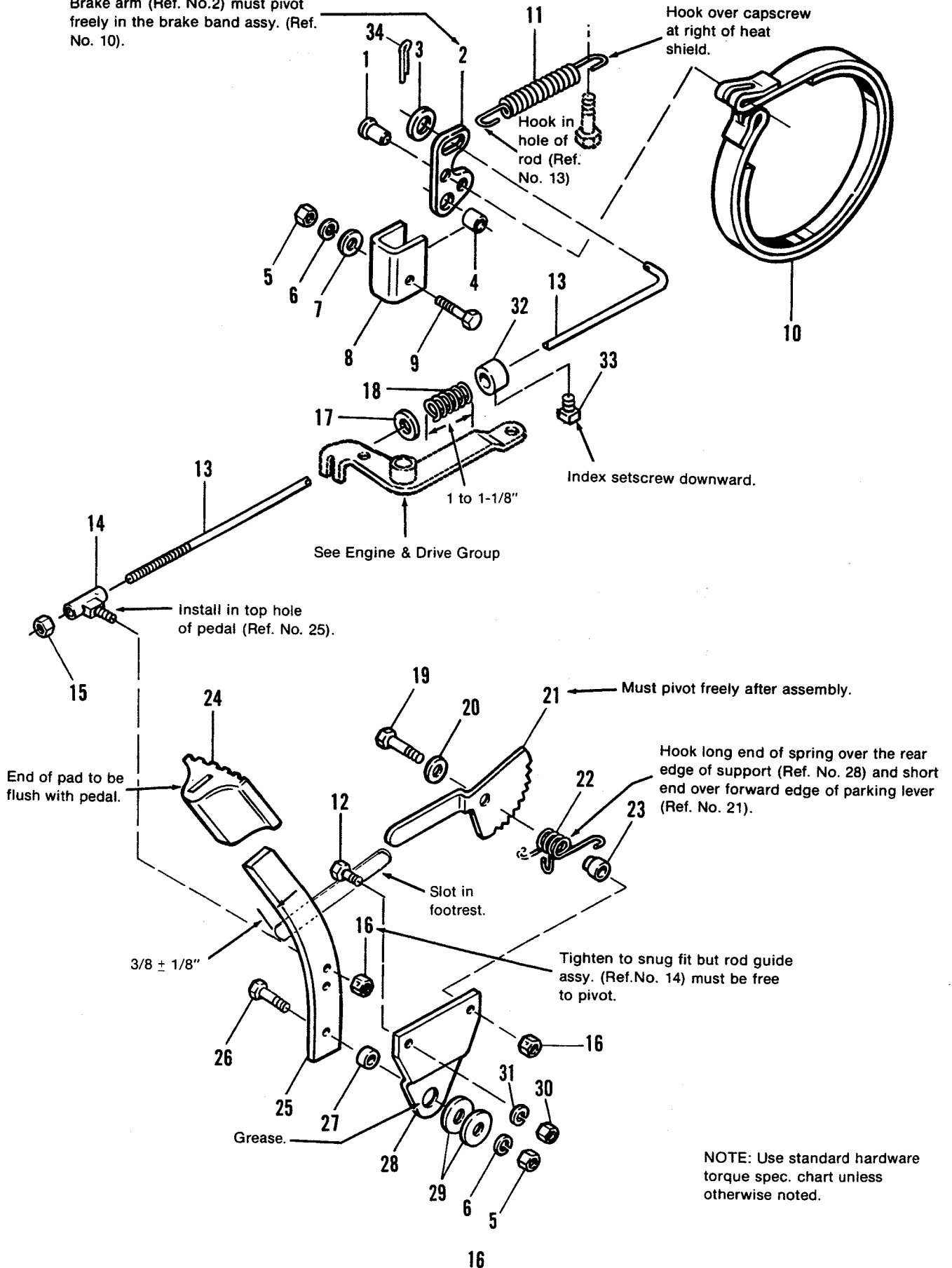


Ref. No.	Part No.	Qty.	Description
1	1667132	2	PIN
2	1667134	1	ARM, Brake
3	918447	2	PIN, Cotter, 3/32 x 3/4
4	1667133	1	SPACER
5	916950	2	NUT, Hex, 3/8-16
6	916965	2	LOCKWASHER, 3/8
7	917642	1	WASHER, Plain, 5/16
8	1667138	1	BRACKET, Brake
9	1667239	1	BOLT, Special
10	1667309	1	BRAKE BAND ASSY.
11	917356	2	LOCKWASHER, 5/16
12	921332	1	CAPSCREW, Hex, 5/16-18 x 3/4
13	1667213	1	ROD, Brake
14	164094	2	ROD GUIDE ASSY.
15	924433	2	LOCKNUT, Esna, 5/16-18
16	923362	2	LOCKNUT, Hex, 5/16-18
17	1666085	1	ROD, Clutch
18	175290	1	SPRING
19	921221	1	CAPSCREW, Hex, 5/16-18 x 1-1/2
20	919381	1	WASHER, Plain, 11/32
21	1665735	1	LEVER, Parking Brake
22	1665822	1	SPRING, Torsion
23	1665734	1	SPACER
24	166664	1	PAD, Pedal
25	1665736	1	PEDAL, Brake
26	920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
27	1665832	1	SPACER
28	1665744	1	SUPPORT, Brake Pedal
29	172908	1	WASHER
30	917372	2	NUT, 5/16-18

All parts shown on page 14 and 15 are**Used on 1690525 before serial no. 4537****Used on 1690526 before serial no. 2079****Used on 1690527 before serial no. 6912****Used on 1690528 before serial no. 2872****(See pages 16 & 17 for listing of later models)****Brake & Clutch Adjustment for parts shown on Page 14.**

1. Set locknut (Ref. No. 15) approx. 1/2 inch from the rod guide (Ref. No. 14) on the pedal.
2. Press pedal firmly (approx. 50 lbs.) a number of times to set brake and remove slack.
3. With the pedal released, pull forward on the rod (Ref. No. 13) to remove free travel.
4. Adjust locknut to obtain 1/2 to 5/8 inch clearance between the locknut and the rod guide with the rod pulled forward.
5. While exerting slight rearward force on the rod guide (Ref. No. 14) on the clutch idler arm, adjust the locknut (Ref. No. 15) to obtain 1/4 to 5/16 inch clearance between the nut and the rod guide.

Brake arm (Ref. No.2) must pivot freely in the brake band assy. (Ref. No. 10).



Ref. No.	Part No.	Qty.	Description
1	1667132	2	PIN
2	1669115	1	ARM, Brake
3	919326	1	WASHER, Plain
4	1667133	1	SPACER
5	916950	2	NUT, Hex, 3/8-16
6	916965	2	LOCKWASHER, 3/8
7	917642	1	WASHER, Plain, 5/16
8	1667138	1	BRACKET, Brake
9	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
10	1667309	1	BRAKE BAND ASSY.
11	1666626	1	SPRING
12	921332	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4
13	1667213	1	ROD, Brake
14	164094	1	ROD GUIDE ASSY.
15	924433	1	LOCKNUT, Esna, 5/16-18
16	923362	2	LOCKNUT, Hex, 5/16-18
17	922755	1	WASHER, Plain, 13/32 x 1
18	152006	1	SPRING
19	921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
20	919381	1	WASHER, Plain, 11/32
21	1665735	1	LEVER, Parking Brake
22	1665822	1	SPRING Torsion
23	1669575	1	SPACER
24	1666664	1	PAD, Pedal
25	1665736	1	PEDAL, Brake
26	920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
27	108717	1	SPACER
28	1665744	1	SUPPORT, Pedal
29	924356	2	WASHER
30	917372	1	NUT, Hex, 5/16-18
31	917356	1	LOCKWASHER, 5/16
32	1669597	1	COLLAR, Set
33	928804	1	SCREW, Set, Sq. Hd., Cup Pt., 1/4-20 x 3/8
34	918447	1	PIN, Cotter

All parts shown on page 16 & 17 are**Used on 1690525 after serial no. 4536****Used on 1690526 after serial no. 2078****Used on 1690527 after serial no. 6911****Used on 1690528 after serial no. 2871****(For earlier models, see pages 14 & 15)****Brake & Clutch Adjustment for parts shown on Page 16.**

1. Adjust locknut (Ref. No. 15) on brake rod (Ref. No. 13) so that forward edge of pedal (Ref. No. 25) is $3/8 \pm 1/8$ inch from forward end of slot when pedal is fully depressed with approximately 50 lbs. of force (normal braking force).
2. With the pedal released, slide the set collar (Ref. No. 32), spring (Ref. No. 18) and washer (Ref. No. 17) against the clutch arm assy, until the spring is compressed to a length of 1 to 1-1/8 inch. Tighten set collar in place with setscrew pointing down.

Adjust collar (Ref. No. 1) to obtain 7/16 to 9/16" between collar and end of rod guide assy. (Ref. No. 4) when PTO lever is engaged.

7/16 to 9/16"

Tighten until snug but PTO rods must be free to pivot.

Assemble flat sides together

Hook this end on extended capscrew of heat deflector.

Hook this end over PTO rod (Ref. No. 7) but above the clip pin (Ref. No. 8).

Coat spacer with grease. Idler arm assy. (Ref. No. 12) must pivot freely.

Assemble nut to full thread of capscrew. Anchor spring between nut and head of capscrew.

Tighten to snug fit but rod guide assy. (Ref. No. 14) must pivot freely.

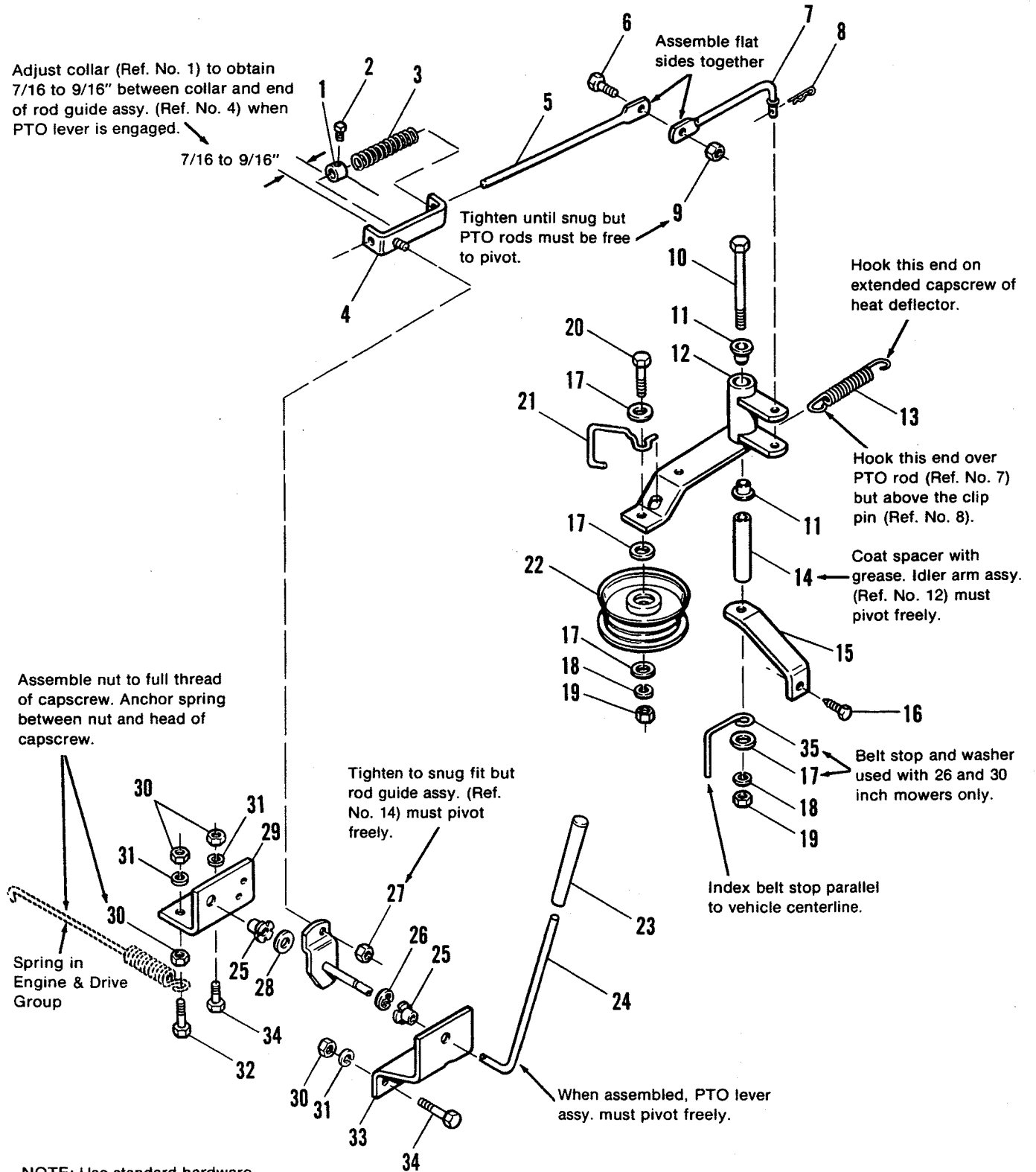
Belt stop and washer used with 26 and 30 inch mowers only.

Index belt stop parallel to vehicle centerline.

Spring in Engine & Drive Group

When assembled, PTO lever assy. must pivot freely.

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



Ref. No.	Part No.	Qty.	Description
1	8191022	1	COLLAR, Set
2	928804	1	SETSCREW, 1/4-20 x 3/8
3	163103	1	SPRING
4	158406	1	ROD GUIDE ASSY.
5	1667288	1	ROD, P.T.O. Front
6	921958	1	CAPSCREW, Hex, 1/4-20 x 1/2
7	1667289	1	ROD, P.T.O., Rear
8	106787	1	CLIP, Hairpin
9	923358	1	LOCKNUT, Hex, 1/4-20 x 1/2
10	922648	1	CAPSCREW, Hex, 3/8-16 x 4
11	1663114	2	BUSHING
12	1665548	1	P.T.O. IDLER ARM ASSY.
13	1666626	1	SPRING, Return
14	1665547	1	SPACER
15	1665582	1	SUPPORT, P.T.O.
16	924856	1	SCREW, Taptite, 5/16-18 x 1/2
17	917378	4	WASHER, Plain, 3/8
18	916965	2	LOCKWASHER, 3/8
19	916950	2	NUT, Hex, 3/8-16
20	921971	1	CAPSCREW, 3/8-16 x 1-1/2
21	1667024	1	STOP, Belt
22	1657712	1	PULLEY, Idler
23	176933	1	GRIP
24	1666450	1	P.T.O. LEVER ASSY.
25	1665577	2	BUSHING
26	158399	1	RING, Retaining
27	923362	1	LOCKNUT, Hex, 5/16-18
28	916960	1	WASHER, Plain, 17/32
29	1666453	1	SUPPORT, Inner
30	917372	5	NUT, Hex, Full, 5/16-18
31	917356	4	LOCKWASHER, 5/16
32	921221	1	CAPSCREW, Hex, 5/16-18 x 1-1/2
33	1666452	1	SUPPORT, Outer
34	925205	3	CAPSCREW, Hex, 5/16-18 x 5/8
35	106545	1	STOP, Belt (5 & 8 HP Only)

All parts shown on pages 18 & 19 are

Used on 1690525 before serial no. 4537

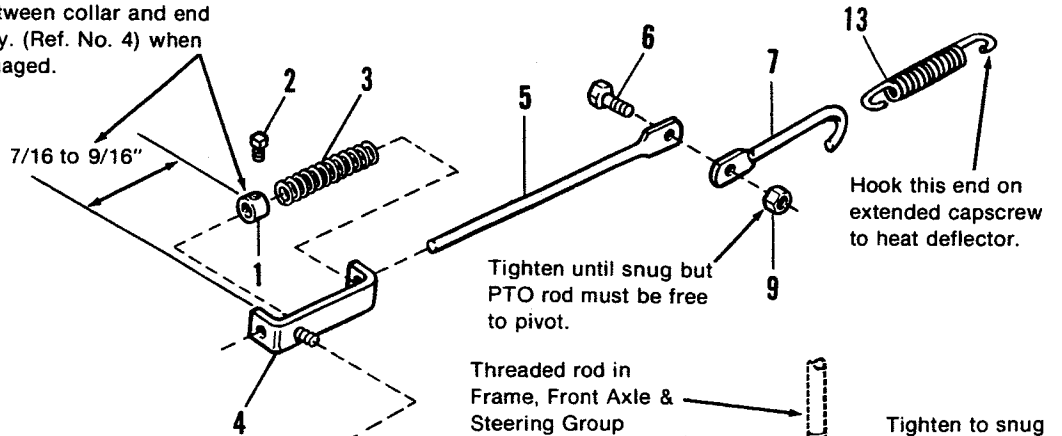
Used on 1690526 before serial no. 2079

Used on 1690527 before serial no. 6949

Used on 1690528 before serial no. 2872

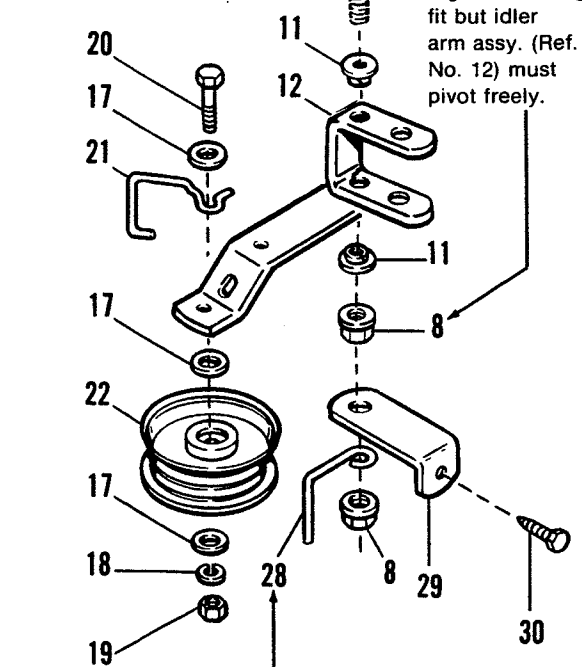
(See pages 20 & 21 for listing of later models)

Adjust collar (Ref. No. 1) to obtain 7/16 to 9/16" between collar and end of rod guide assy. (Ref. No. 4) when PTO lever is engaged.



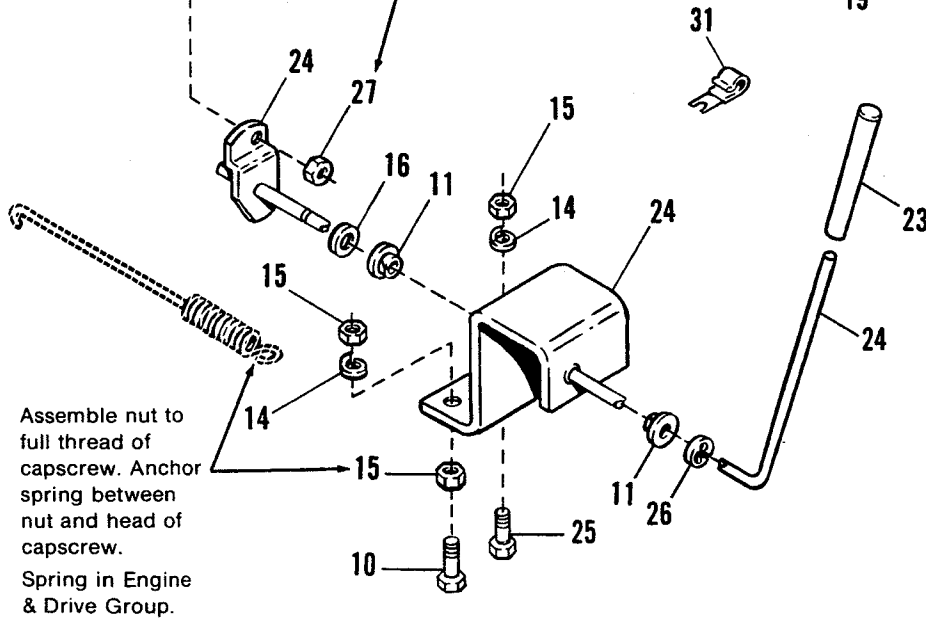
Threaded rod in Frame, Front Axle & Steering Group

Tighten to snug fit but idler arm assy. (Ref. No. 12) must pivot freely.



Tighten until snug but rod guide (Ref. No. 4) must be free to pivot.

Index belt stop parallel to vehicle centerline. Belt stop used with 26" & 30" mowers only.

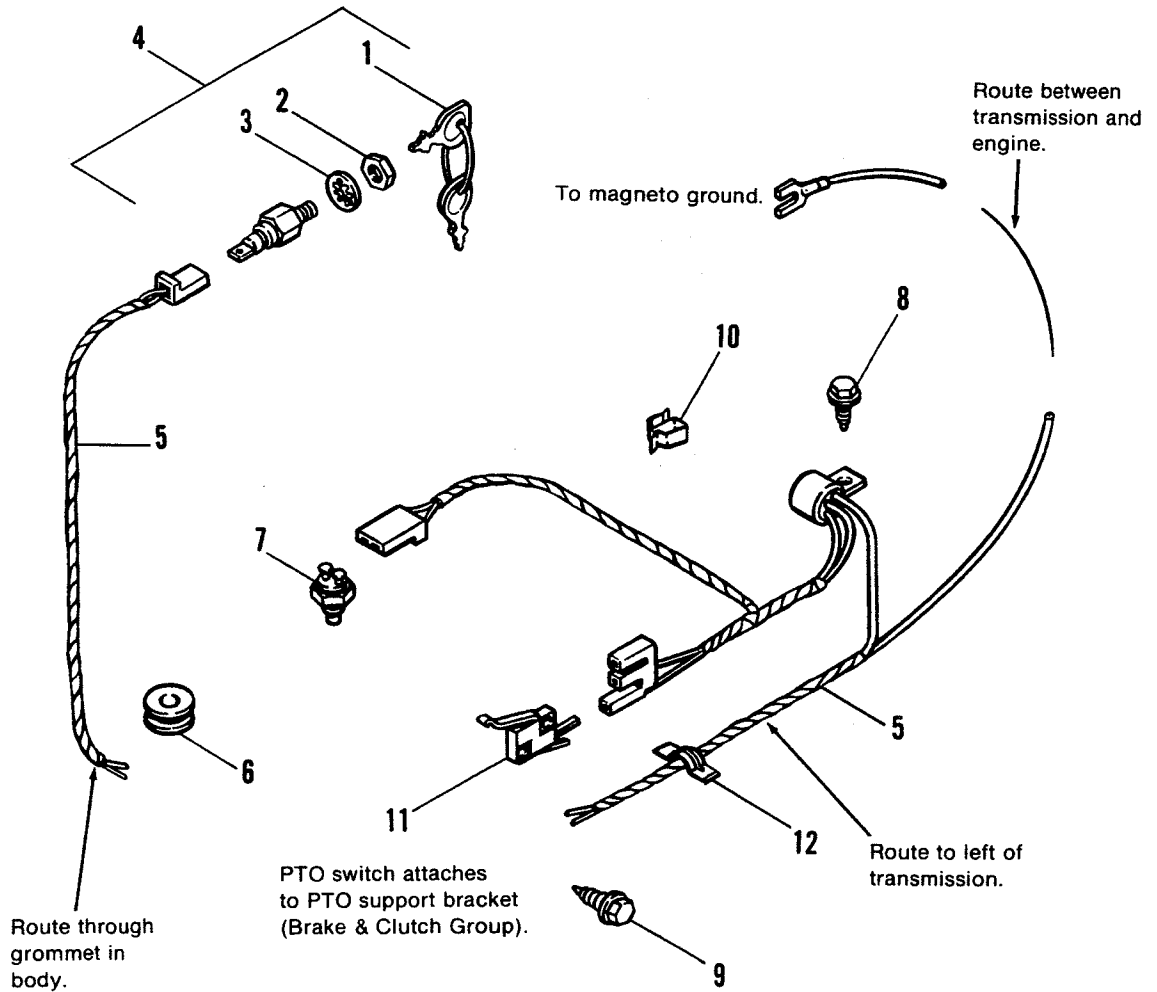


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1669597	1	COLLAR, Set
2	928804	1	SETSCREW, 1/4-20 x 3/8
3	163103	1	SPRING
4	158406	1	ROD GUIDE ASSY.
5	1667901	1	ROD, P.T.O., Front
6	921959	1	CAPSCREW, Hex Hd., 1/4-20 x 5/8
7	1667902	1	ROD, P.T.O., Rear
8	930644	2	LOCKNUT, Flange, 1/2-13
9	920397	1	LOCKNUT, Hex, Lock, 1/4-20
10	921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
11	1668185	4	BUSHING
12	1674138	1	P.T.O. IDLER ARM ASSY.
13	1666626	1	SPRING, Return
14	917356	2	LOCKWASHER, 5/16
15	917372	3	NUT, Hex, Full, 5/16-18
16	924361	1	WASHER, Plain
17	917378	3	WASHER, Plain, 3/8
18	916965	1	LOCKWASHER, 3/8
19	916950	1	NUT, Hex, 3/8-16
20	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
21	1667024	1	STOP, Belt
22	1657712	1	PULLEY, Idler
23	176933	1	GRIP
24	1668000	1	P.T.O. LEVER ASSY.
25	925205	1	CAPSCREW, Hex Hd., 5/16-18 x 5/8
26	158399	1	RING, Retaining
27	923362	1	LOCKNUT, Hex, 5/16-18
28	106545	1	STOP, Belt (5 & 8 HP Only)
29	1673761	1	SUPPORT, P.T.O.
30	924856	1	SCREW, Taptite, 5/16-18 x 1/2
31	1666835	1	CLIP, "J"

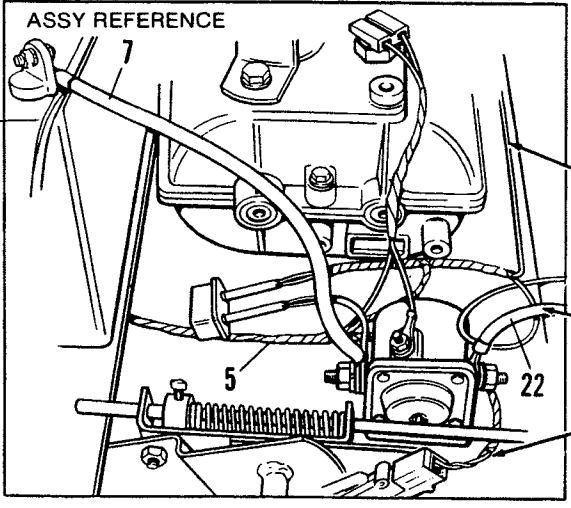
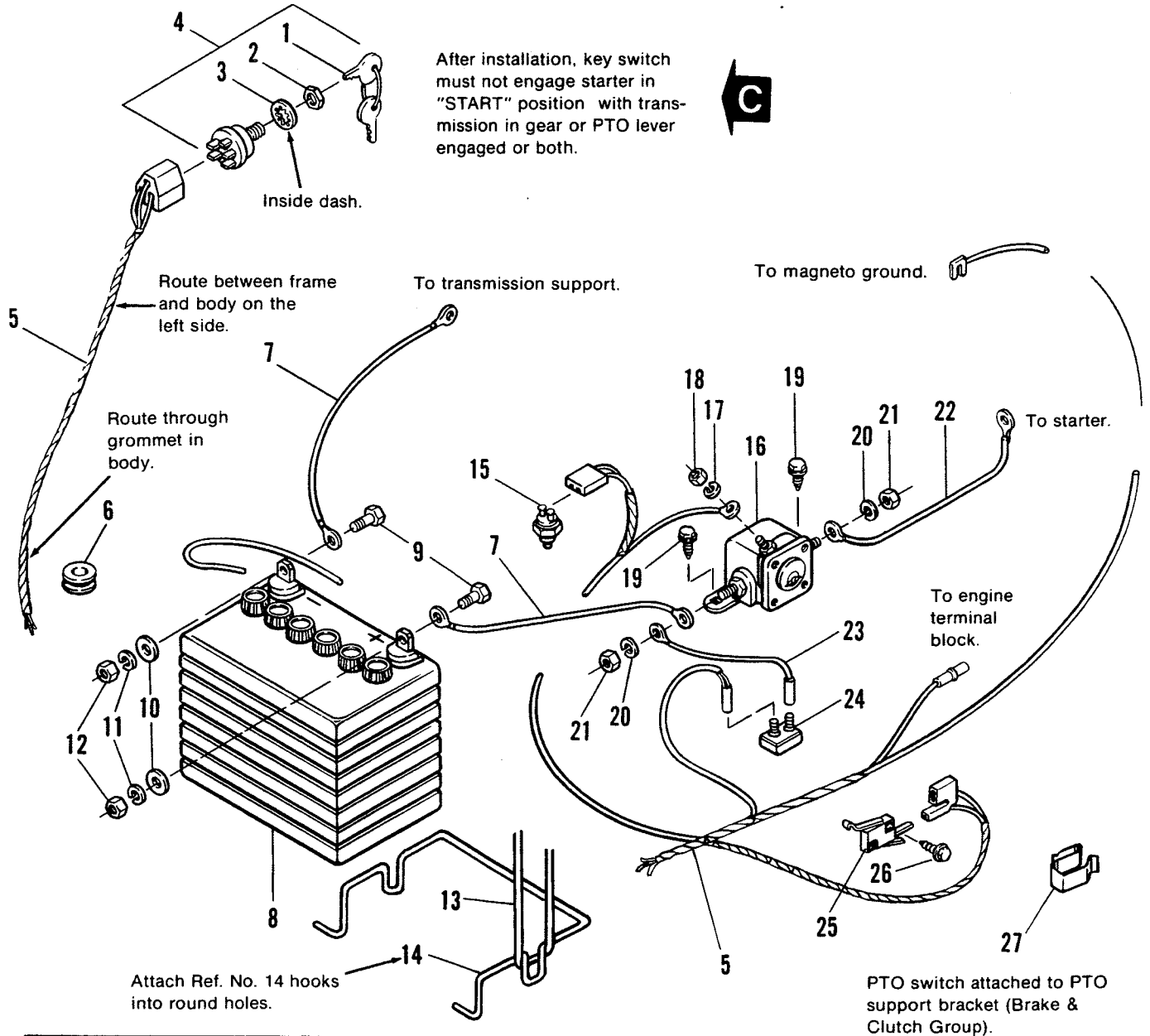
**All parts shown on pages 20 & 21 are
 Used on 1690525 after serial no. 4536
 Used on 1690526 after serial no. 2078
 Used on 1690527 after serial no. 6948
 Used On 1690528 after serial no. 2871
 (For earlier models, see pages 18 & 19)**

After installation, key switch (in "ON" position) must not allow engine to start with transmission in gear or PTO engaged or both.



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

Ref. No.	Part No.	Qty.	Description
1	122203	1	KEY
2	122234	1	NUT
3	918906	1	LOCKWASHER, Internal Tooth, 5/8
4	177163	1	SWITCH, Key
5	1666730	1	HARNESS ASSY.
6	173420	1	GROMMET
7	1654634	1	SWITCH, Transmission Interlock
8	927428	1	SCREW, Hex, Taptite, 1/4-20 x 3/8
9	935944	2	SCREW, Hex, Taptite, #5-40 x 3/4
10	172434	1	CLIP, Tinnerman
11	1665586	1	SWITCH, P.T.O. Interlock
12	176912	1	CLIP, Wire

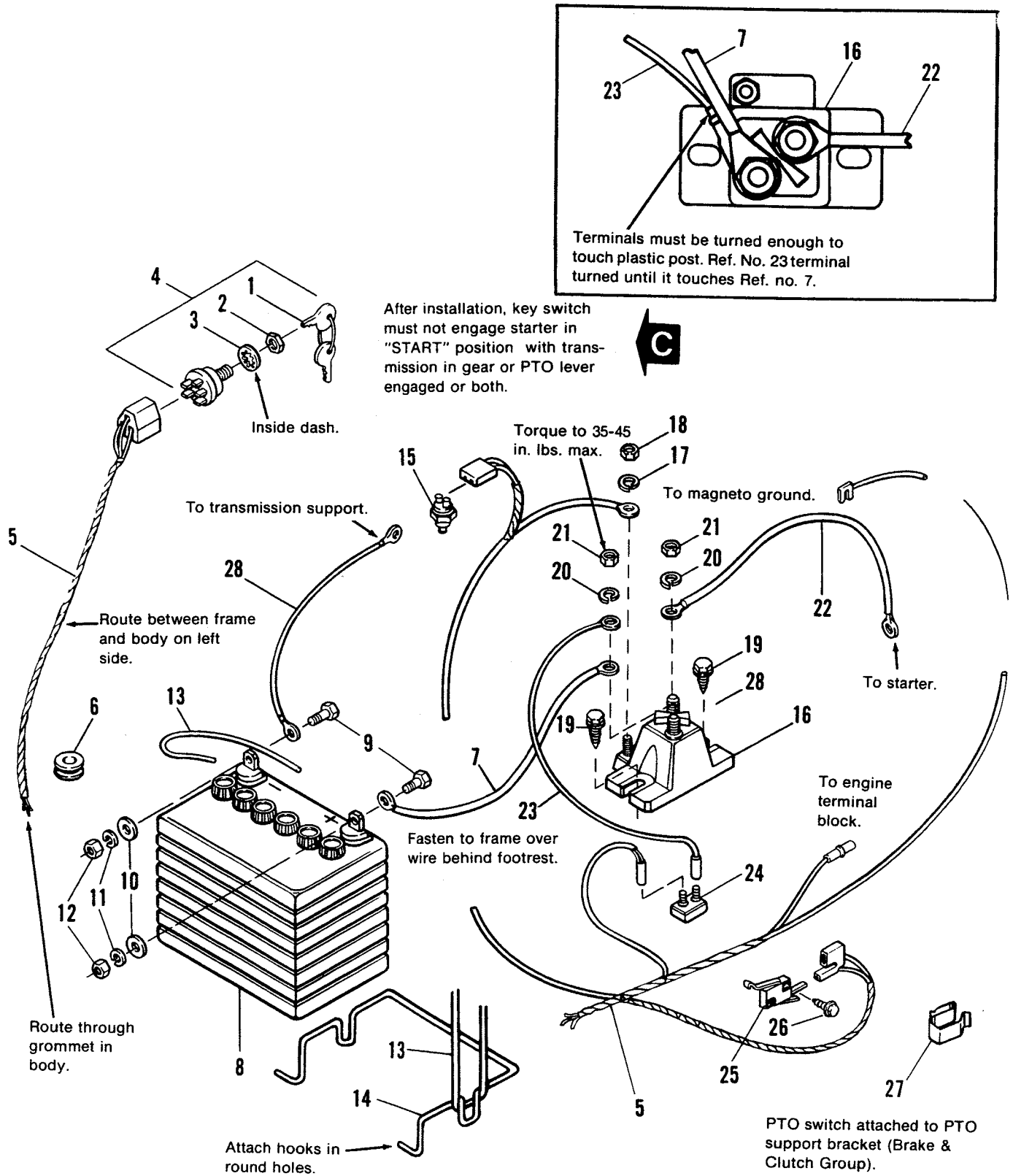


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	122203	1	KEY
2	122234	1	NUT
3	918906	1	LOCKWASHER, Internal Tooth, 5/8
4	178280	1	SWITCH, Key
5	1664466	1	HARNES ASSY.
6	173420	1	GROMMET
7	1603195	2	CABLE ASSY.
8	1685215	1	BATTERY, 12 Volt
9	923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
10	917377	2	WASHER, Plain, 1/4
11	916964	2	LOCKWASHER, 1/4
12	916622	2	NUT, Hex, 1/4-20
13	1665872	1	STRAP, Battery
14	1667805	1	BRACE, Battery
15	1654634	1	SWITCH, Transmission Interlock
16	122216	1	SOLENOID
17	922711	1	LOCKWASHER, #10
18	917415	1	NUT, Hex, Machine, #10-32
19	927428	2	SCREW, Hex, Taptite, 1/4-20 x 3/8
20	917356	2	LOCKWASHER, 5/16
21	917372	2	LOCKNUT, 5/16-18
22	1603618	1	CABLE ASSY. (Solenoid to Starter)
23	1665237	1	WIRE ASSY.
24	172163	1	BREAKER, Circuit
25	1665586	1	SWITCH, P.T.O. Interlock
26	935944	2	SCREW, Hex, Taptite, #5-40 x 3/4
27	172434	1	CLIP, Tinnerman

All parts shown on pages 24 & 25 are:
 Used on 1690527 before serial no. 10253
 Used on 1690528 before serial no. 4049

(For later models see pages 26 & 27)

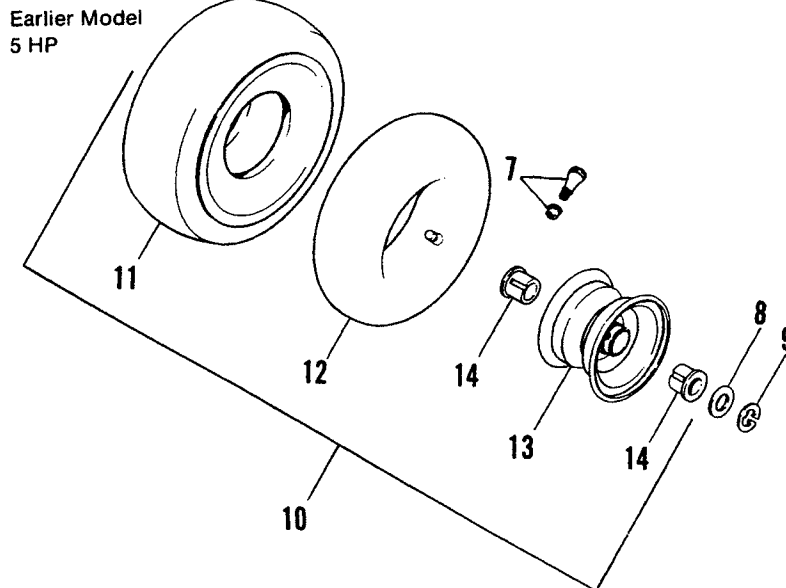
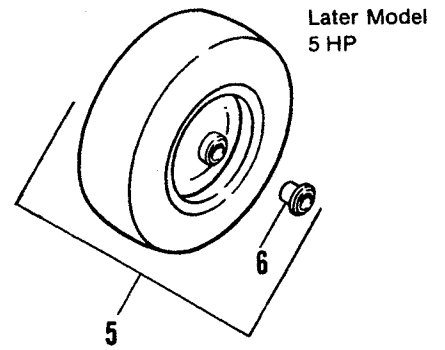
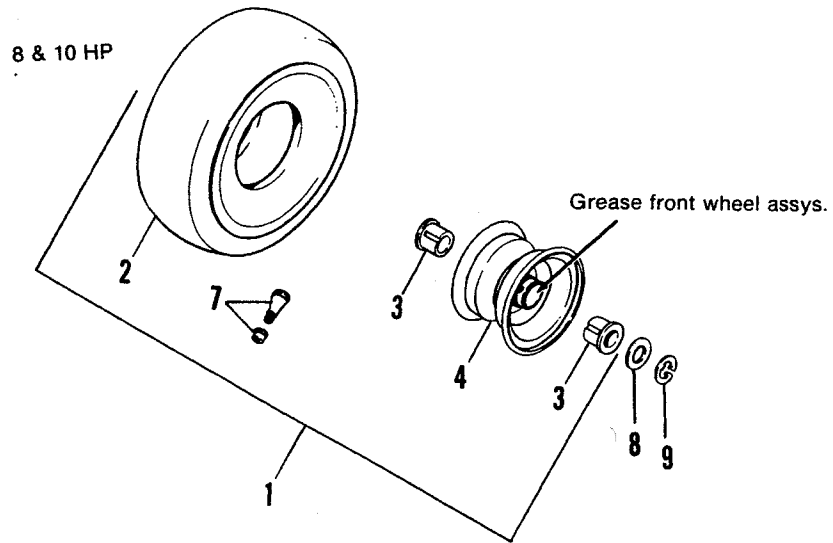


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	122203	1	KEY
2	122234	1	NUT
3	918906	1	LOCKWASHER, Internal Tooth, 5/8
4	178280	1	SWITCH, Key
5	1664466	1	HARNESS ASSY.
6	173420	1	GROMMET
7	1603195	1	CABLE ASSY. (Batt. to Solenoid)
8	1668388	1	BATTERY, 12 Volt
9	923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
10	917377	2	WASHER, Plain, 1/4
11	916964	1	LOCKWASHER, 1/4
12	916622	2	NUT, Hex, 1/4-20
13	1665872	1	STRAP, Battery
14	1667805	1	BRACE, Battery
15	1654634	1	SWITCH, Transmission Interlock
16	1671994	1	SOLENOID
17	922711	1	LOCKWASHER, #10
18	917415	1	NUT, Hex, Machine, #10-32
19	925592	2	SCREW, Hex, Taptite, 1/4-20 x 3/4
20	917356	2	LOCKWASHER, 5/16
21	917372	2	LOCKNUT, Hex, 5/16-18
22	1603618	1	CABLE ASSY. (Solenoid to Starter)
23	1665237	1	WIRE ASSY.
24	1665238	1	BREAKER, Circuit
25	1665586	1	SWITCH, P.T.O. Interlock
26	935944	2	SCREW, Hex, Taptite, #50-40 x 3/4
27	172434	1	CLIP, Tinnerman
28	1671158	2	CABLE (Battery to Ground)

All parts shown on pages 26 & 27 are:
 Used on 1690527 after serial no. 10252
 Used on 1690528 after serial no. 4048

(For earlier models see pages 24 & 25)

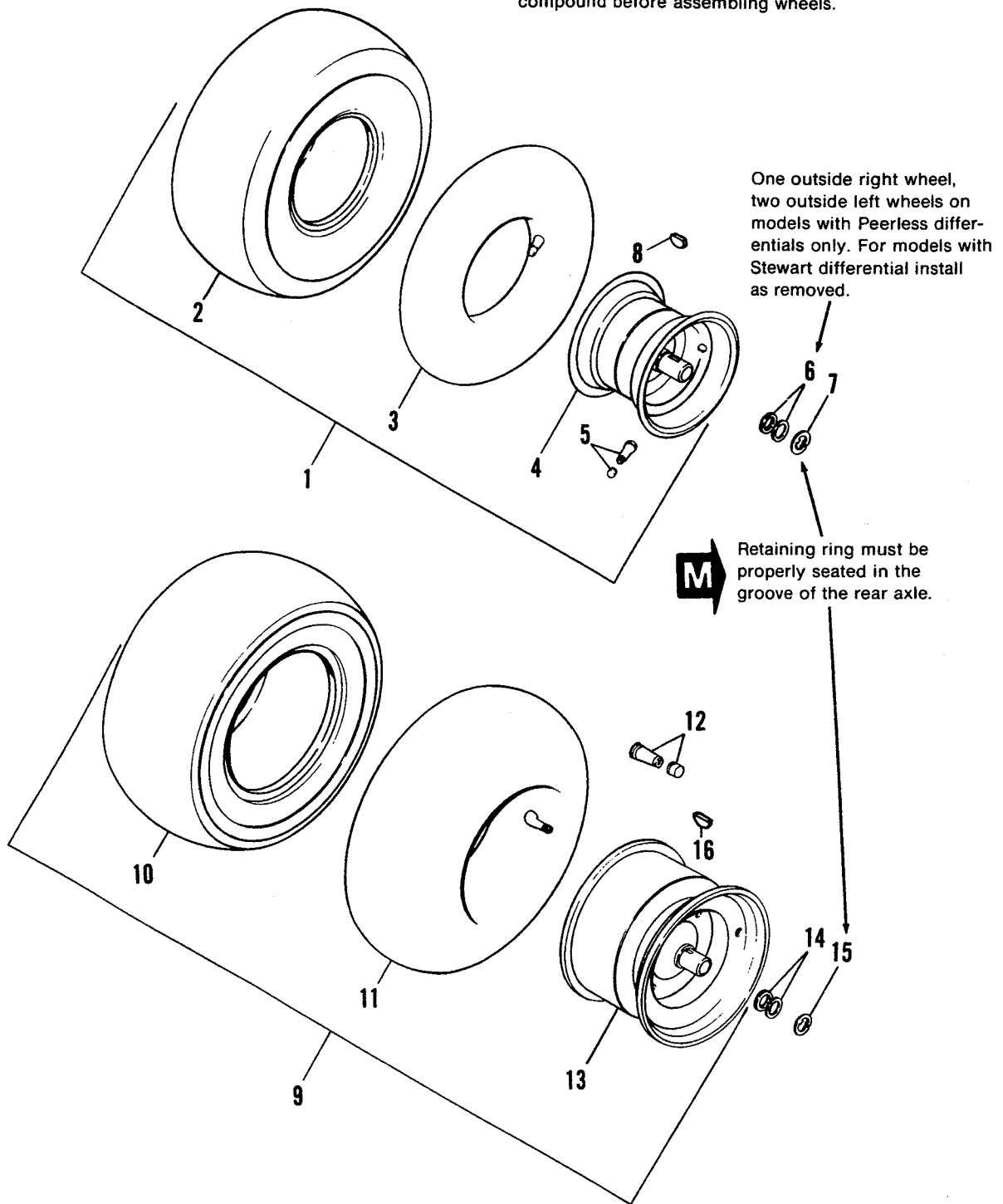


Ref. No.	Part No.	Qty.	Description
<u>8 & 10 HP</u>			
1	1672270	2	FRONT WHEEL & TIRE ASSY., 4.10 x 3.50-4
2	1672269	2	TIRE, Turf
3	156316	4	BEARING, Valve
4	1672268	2	WHEEL ASSY.
<u>*5 HP (Later Models)</u>			
5	1672281	2	FRONT WHEEL & TIRE ASSY. Semi-Pneumatic, 10-5 x 3.5
6	1605947	4	BEARING, Wheel
<u>All Models</u>			
7	172353	2	VALVE STEM & CAP
8	911386	5	WASHER
9	927794	2	E-RING, Retaining, 3/4
<u>*5 HP (Early Models)</u>			
10	1672270	2	FRONT WHEEL & TIRE ASSY., 4.10 x 3.50-4
11	1672269	2	TIRE, Turf
12	**159141	2	TUBE
13	1672268	2	WHEEL ASSY.
14	156316	4	BEARING

*On 5 H.P. models (1690525), if front tire has a valve stem, it is early model. If tire does not have valve stem (semi-pneumatic) it is later model.

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

Coat rear axles with anti-seize compound before assembling wheels.



One outside right wheel, two outside left wheels on models with Peerless differentials only. For models with Stewart differential install as removed.

M Retaining ring must be properly seated in the groove of the rear axle.

Ref. No.	Part No.	Qty.	Description
<u>5 HP</u>			
1	1672014	2	WHEEL & TIRE ASSY., 15 x 6.00-6
2	1653618	2	TIRE, Turf (Carlisle)
	1656885	2	TIRE, Turf (Goodyear)
3	1664090	2	TUBE (See note below.)
*4	1672015	2	WHEEL ASSY. (Later Model)
	1664894	2	WHEEL ASSY. (Early Model)
5	172353	2	VALVE STEM & CAP
6	108181	3	WASHER, Flat
7	927794	2	E-RING, Retaining, 3/4
8	8221042	2	KEY, 3/16 x 3/16 x 1-1/2
<u>8 & 10 HP</u>			
9	1672016	2	WHEEL & TIRE ASSY., 16 x 6.50-8
10	1605965	2	TIRE, Tubeless
11	164247	2	TUBE (See note below.)
12	172353	2	VALVE STEM & CAP
13	1672017	2	WHEEL ASSY.
14	108181	3	WASHER, Plain
15	927794	2	E-RING, Retaining, 3/4
16	8221042	2	KEY, 3/16 x 3/16 x 1-1/2

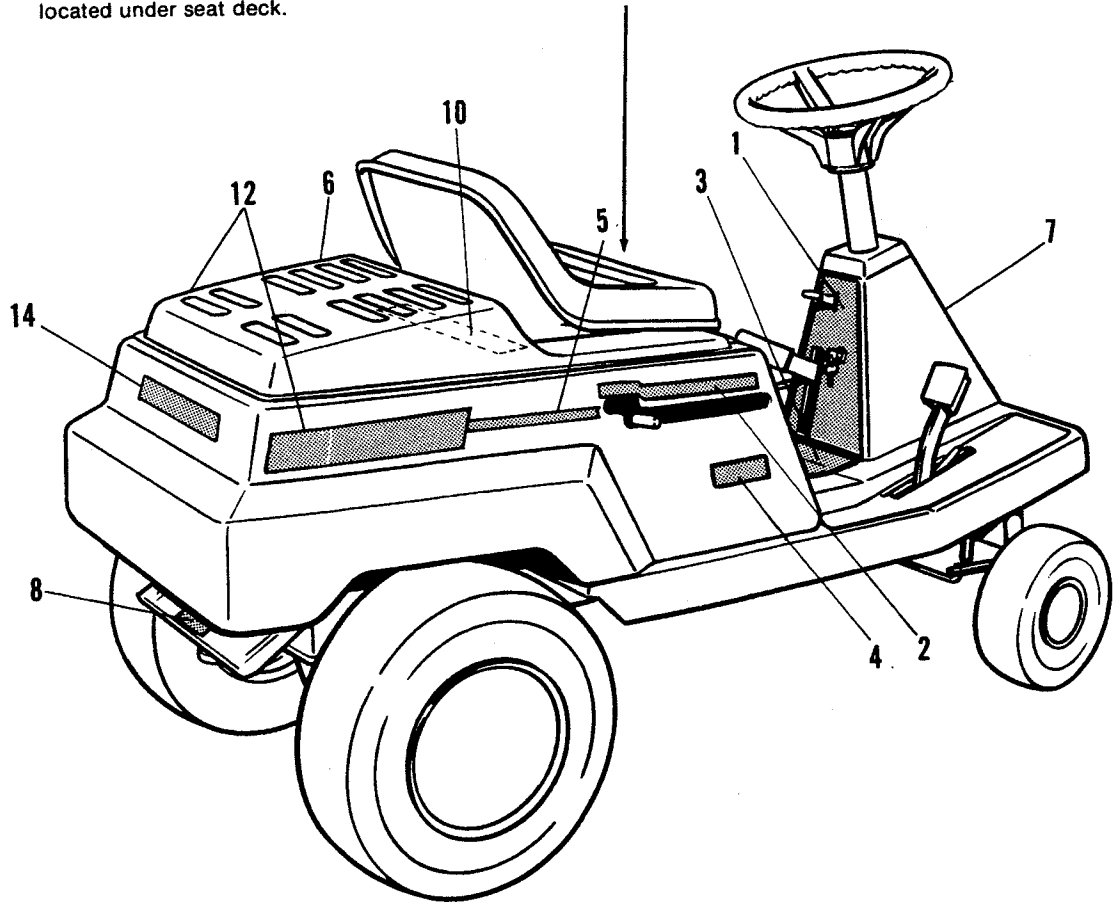
*The difference between "early model" and "later model" is that early model wheels have built-in key for keyway in axle shaft. To replace early model with new model, also order key (Ref. No. 16).

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

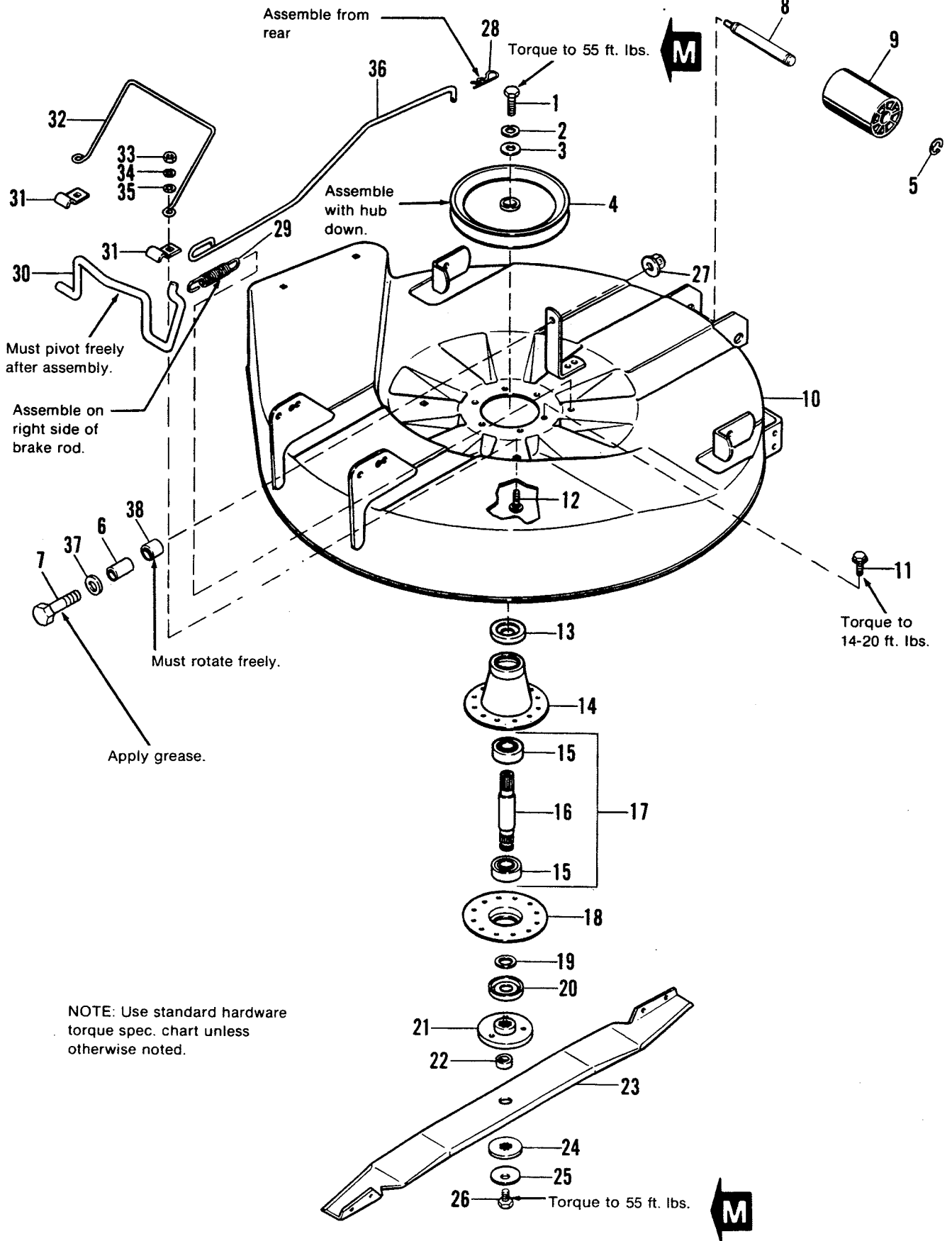
Battery decal (Ref. No. 9)
located on the battery.

Drive belt decal (Ref. No. 11)
located under seat deck.

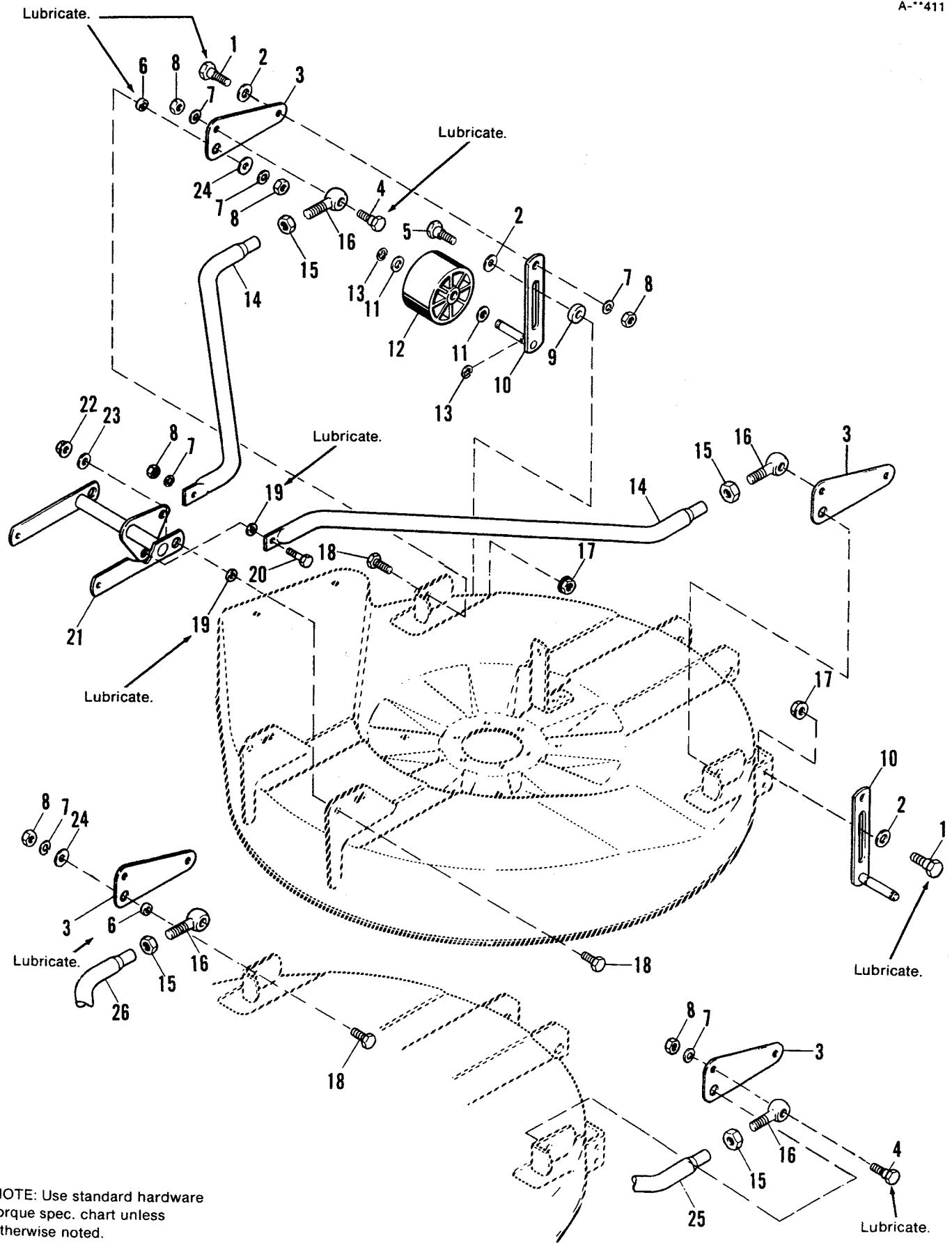
Iso-Body decal (Ref. No. 13)
located on lower left corner
of front body panel.



Ref. No.	Part No.	Qty.	Description
1	1663973	1	DECAL, Instruction Panel (Electric Start Only)
	1663974	1	DECAL, Instruction Panel (Manual Start Only)
2	1667182	1	DECAL, Shift Pattern
3	1663977	1	DECAL, Caution & Controls
4	1667179	2	DECAL, 5 HP Manual Start
	1667177	2	DECAL, 8 HP Manual Start
	1667180	2	DECAL, 8 HP Electric Start
	1667178	2	DECAL, 10 HP Electric Start
5	1669054	1	DECAL, Side, R.H.
6	1669055	1	DECAL, Side, L.H.
7	1667181	1	DECAL, Cavalier
8	1667224	1	DECAL, Danger
9	1670969	1	DECAL, Battery (Elec. Start Only) (On Battery)
10	1667379	1	DECAL, Warning (Fueling)
11	1667381	1	DECAL, Drive Belts (Under Seat Deck)
12	1664935	2	DECAL, <i>Simplicity</i>
13	1668607	1	DECAL, Iso-Body
14	106718	1	DECAL, <i>Simplicity 6"</i>



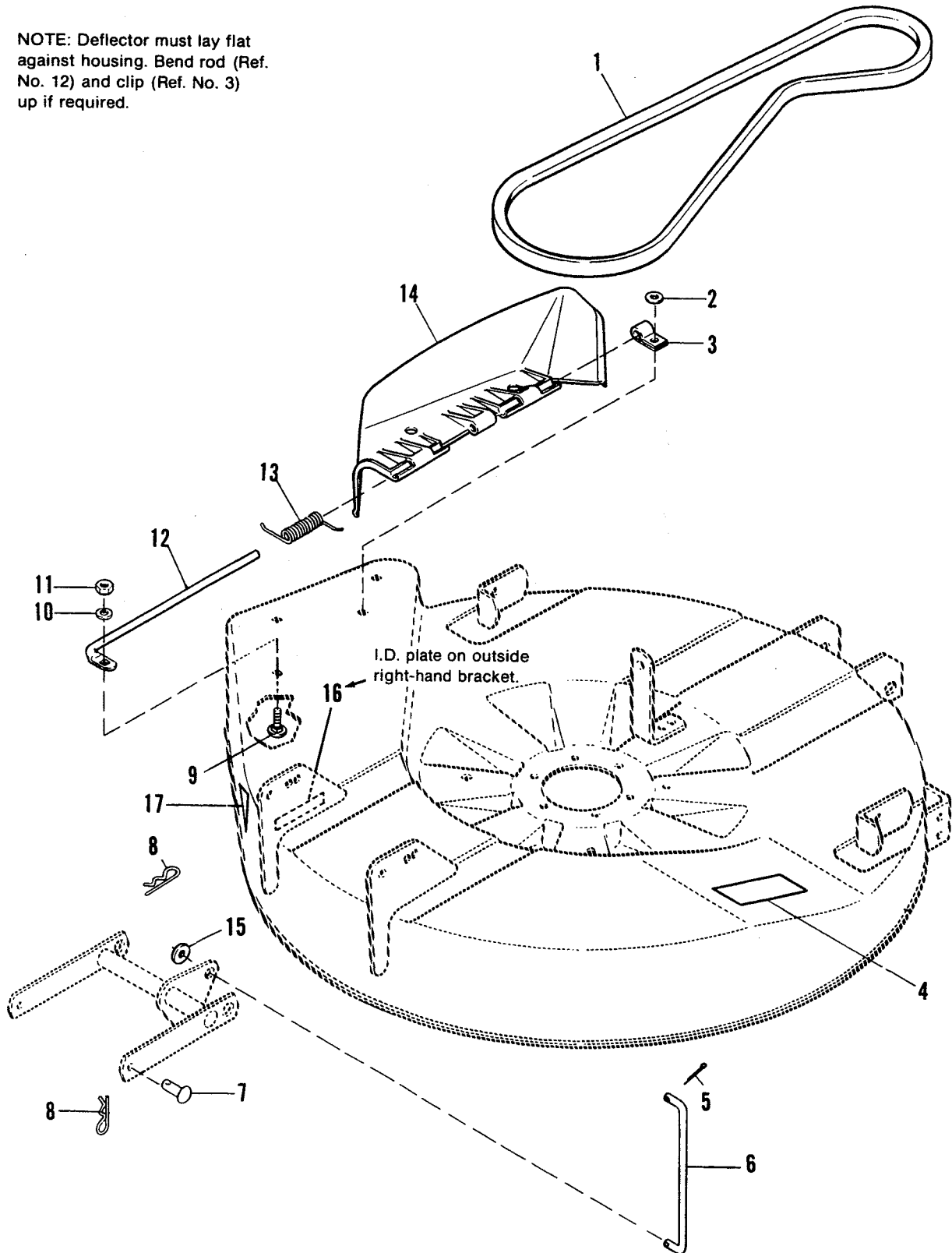
Ref. No.	Part No.	Qty.	Description
1	923451	1	CAPSCREW, Hex, 7/16-14 x 1-1/2
2	918199	1	LOCKWASHER, 7/16
3	933263	1	WASHER
4	1666317	1	PULLEY ASSY.
5	927793	1	E-RING
6	1669585	1	SPACER
7	922606	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
8	1603205	1	SHAFT
9	1685513	1	ROLLER, Small
10	1685516	1	HOUSING ASSY. (30" Mower Only)
	1685165	1	HOUSING ASSY. (26" Mower Only)
11	1664847	6	SCREW, Taptite, 5/16 x 3/4
12	920563	2	BOLT, Carriage, 5/16-18 x 1
13	1657969	1	SHIELD, Grass Upper
14	1655728	1	ARBOR HOUSING, Bottom
15	108202	2	BEARING
16	1673594	1	SHAFT
17	1663336	1	SHAFT & BEARING ASSY.
18	1655729	1	ARBOR HOUSING, Top
19	1664241	1	WASHER, Shim
20	1657588	1	SHIELD, Grass, Lower
21	1655777	1	ADAPTOR, Blade
22	1672132	1	COLLAR, Mower Arbor
23	1664019	1	BLADE (30" Mower Only)
	1664917	1	BLADE (26" Mower Only)
24	1656927	1	WASHER
25	1656916	1	WASHER, Spring
26	923491	1	CAPSCREW, Hex, 7/16-14 x 1
27	930645	1	LOCKNUT, Hex, Flange, 3/8-16
28	106787	1	CLIP, Hair Pin, 3/32 x 1
29	174896	1	SPRING
30	1665897	1	BRAKE, Mower
31	1664004	2	CLIP
32	1667020	1	STOP, Belt
33	917372	2	NUT, 5/16-18
34	917356	2	LOCKWASHER, 5/16
35	917642	2	WASHER, Plain, 5/16
36	1665898	1	ROD, Brake (30" Mower Only)
	1665899	1	ROD, Brake (26" Mower Only)
37	156065	1	WASHER, Standard
38	1669586	1	ROLLER



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

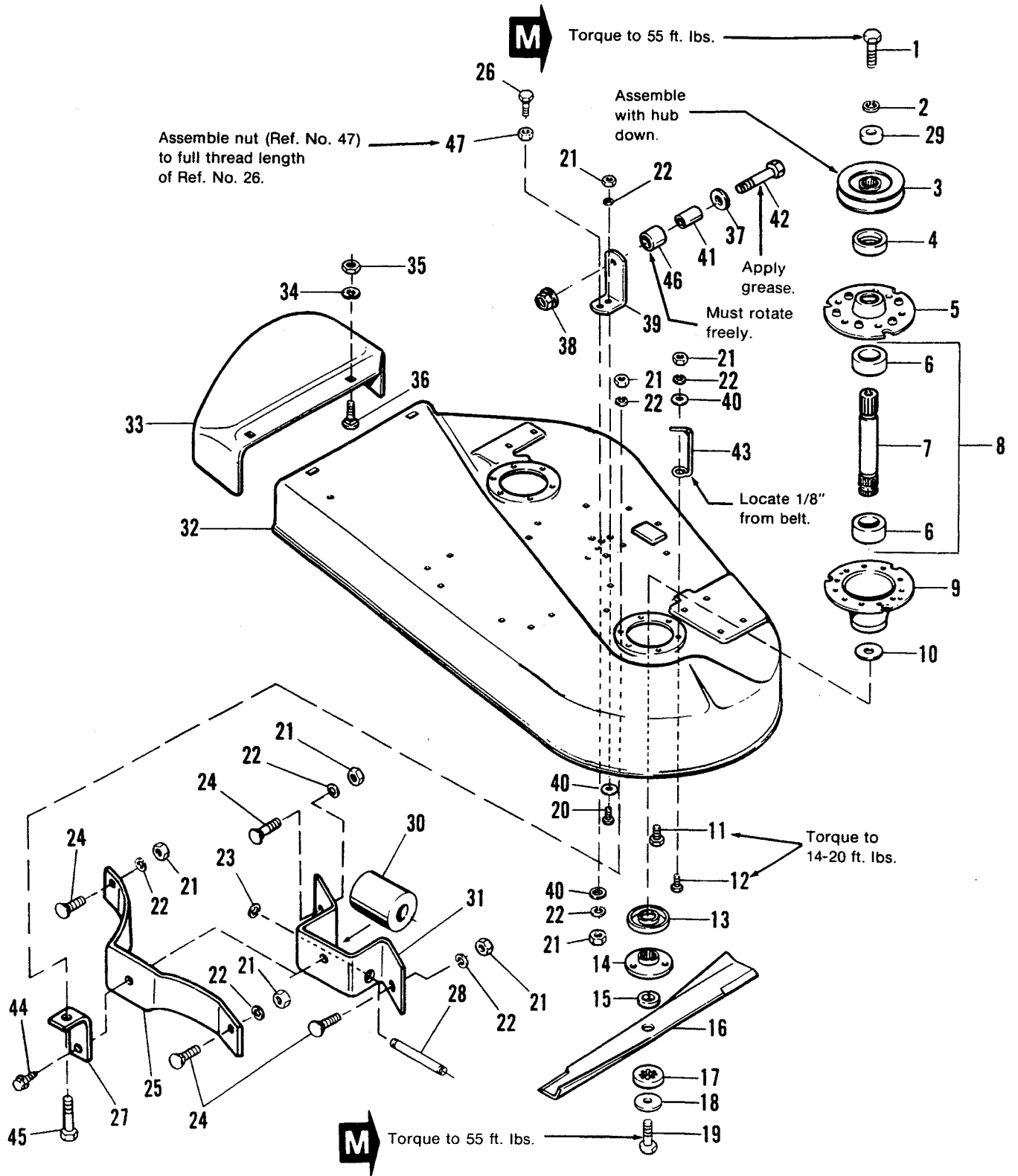
Ref. No.	Part No.	Qty.	Description
1	172622	4	BOLT, Shoulder (Qty. 3 on 26" Mower Only)
2	924361	4	WASHER, Plain, 7/16
3	1664604	2	ARM
4	108412	2	BOLT, Shoulder
5	1665693	1	BOLT, Shoulder (26" Mower Only)
6	1663752	2	WASHER, Spring
7	916965	7	LOCKWASHER, 3/8
8	916950	7	NUT, 3/8-16
9	172454	1	SPACER (26" Mower Only)
10	1665685	2	ROLLER SUPPORT ASSY.
11	919387	4	WASHER, Plain, 5/8
12	1668487	2	ROLLER
13	153124	4	RING, Retaining
14	1664598	2	ARM, Adjusting (30" Mower Only)
15	919262	2	NUT, Jam, 1/2-20
16	157215	2	BOLT, Eye
17	928352	2	LOCKNUT, Flange, Whiz, 3/8-16
18	921210	4	CAPSCREW, Hex, 3/8-16 x 1
19	108717	3	SPACER
20	920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
21	1666183	1	SUPPORT ARM ASSY.
22	930645	2	LOCKNUT, Flange, Center, 3/8-16
23	922755	2	WASHER
24	924356	2	WASHER
25	1666019	1	ARM, Adjusting, L.H. (26" Mower Only)
26	1666018	1	ARM, Adjusting, R.H. (26" Mower Only)
27	1663752	2	SPACER

NOTE: Deflector must lay flat against housing. Bend rod (Ref. No. 12) and clip (Ref. No. 3) up if required.



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

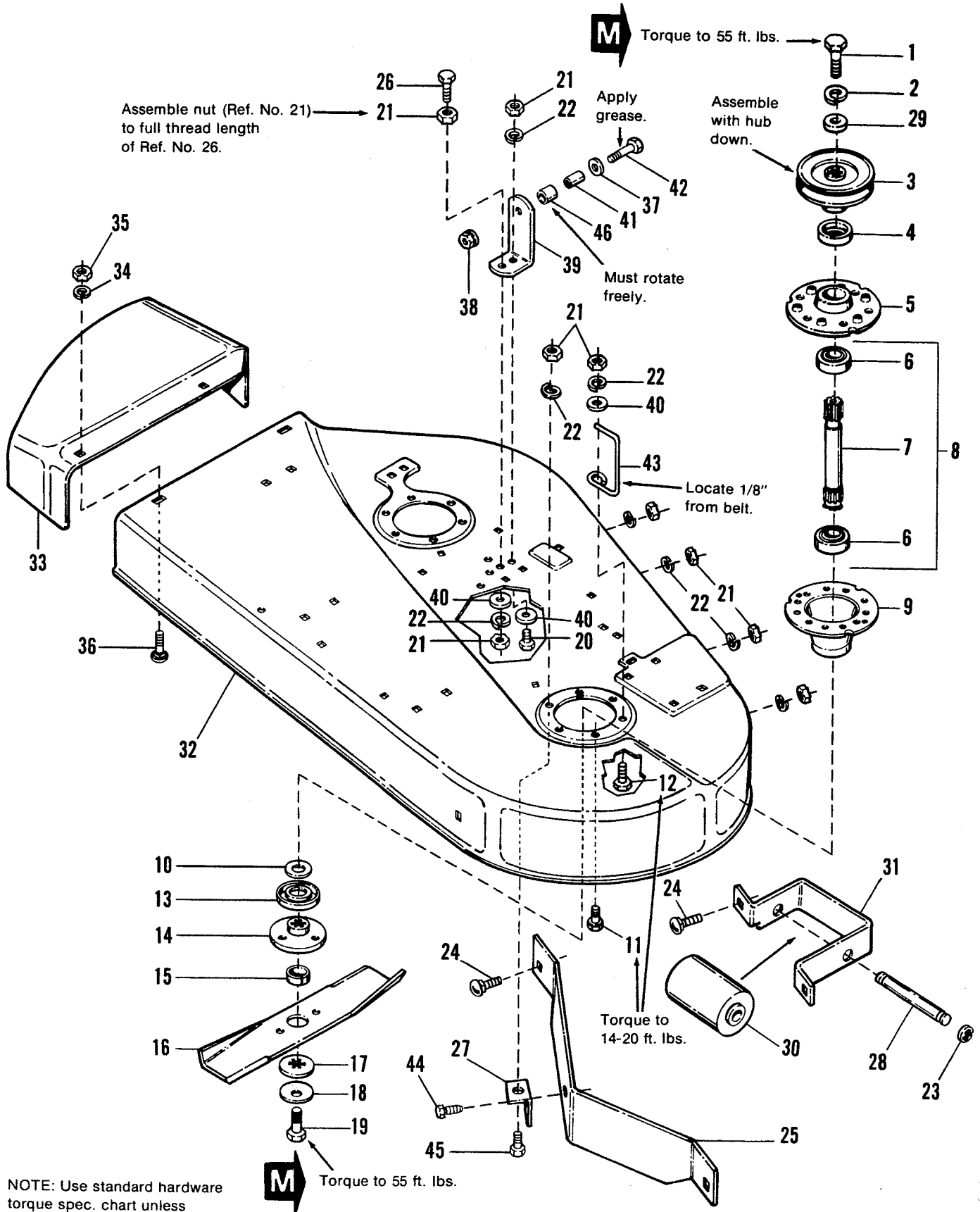
Ref. No.	Part No.	Qty.	Description
1	1665024	1	V-BELT (30" Mower Only)
	1664946	1	V-BELT (26" Mower Only)
2	916955	1	WASHER, Plain, 3/16
3	933979	1	CLIP, 5/16
4	1672691	1	DECAL, Danger
5	918448	1	PIN, Cotter, 3/32 x 1
6	1665594	1	ROD, Lift
7	156306	2	PIN
8	106787	3	CLIP, Hairpin
9	931317	2	BOLT, Carriage, 1/4-20 x 3/4
10	916964	2	LOCKWASHER, 1/4
11	916622	2	NUT, Hex, 1/4-20
12	1664947	1	ROD, Deflector, Front
13	1664953	1	SPRING
14	1665036	1	DEFLECTOR
15	917378	1	WASHER, Plain, 3/8
16		1	PLATE, I.D. (30" Mower)
		1	PLATE, I.D. (26" Mower)
17		1	DECAL, OPEI



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

Ref. No.	Part No.	Qty.	Description
1	923451	2	CAPSCREW, Hex, 7/16-14 x 1-1/2
2	918199	2	LOCKWASHER, 7/16
3	1664858	2	DRIVE PULLEY ASSY.
4	1657969	2	SHIELD, Upper Grass
5	1655729	2	HOUSING, Top
6	108202	4	BEARING
7	1673594	2	SHAFT
8	1685251	2	SHAFT & BEARING ASSY. (Incl. Ref. Nos. 6, 7 & 15)
9	1655728	2	HOUSING, Bottom
10	1664241	2	WASHER, Shim
11	1664847	11	SCREW, Taptite, 5/16-18 x 5/8
12	927477	1	SCREW, Taptite, 5/16-18 x 1
13	1657588	2	SHIELD, Lower Grass
14	1655777	2	ADAPTOR, Blade
15	1672132	2	COLLAR, Mower Arbor
16	1657589	2	BLADE
17	1656927	2	WASHER, Spline
18	1656916	2	WASHER, Spring
19	923491	2	CAPSCREW, Hex, 7/16-14 x 1
20	921333	1	CAPSCREW, Hex, 5/16-18 x 1
21	917372	9	NUT, Hex, 5/16-18
22	917356	9	LOCKWASHER, 5/16
23	927793	1	E-RING
24	920562	4	BOLT, Carriage, 5/16-18 x 3/4
25	1668362	1	BAFFLE
26	921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
27	1668500	1	BRACKET, Mower
28	1603205	1	SHAFT, Center Roller
29	933263	2	WASHER, 29/64
30	1668513	1	ROLLER, Small
31	1668361	1	BRACKET, Roller, Center
32	1685102	1	HOUSING, 36"
33	1655422	1	DEFLECTOR
34	916965	2	LOCKWASHER, 3/8
35	916950	2	NUT, Hex, 3/8-16
36	922110	2	BOLT, Carriage, 3/8-16 x 3/4
37	156065	2	WASHER, Plain
38	930645	1	LOCKNUT, Hex, Flange, 3/8-16
39	1667153	1	SUPPORT, Up-Stop
40	917642	3	WASHER, Plain, 5/16
41	1669585	1	SPACER
42	922606	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
43	1657660	1	STOP, Belt
44	924856	1	SCREW, Taptite, 5/16-18 x 1/2
45	921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
46	1669586	1	ROLLER
47	920161	1	NUT, Hex, Jam, 5/16-18

Ref. Nos. 21 & 22 (Qty. 1 each), 25, 27, 31 & 45 included in Baffle Kit
Mfg. No. 1685188 for service.



Assemble nut (Ref. No. 21) to full thread length of Ref. No. 26.

M Torque to 55 ft. lbs.

Apply grease.

Assemble with hub down.

Must rotate freely.

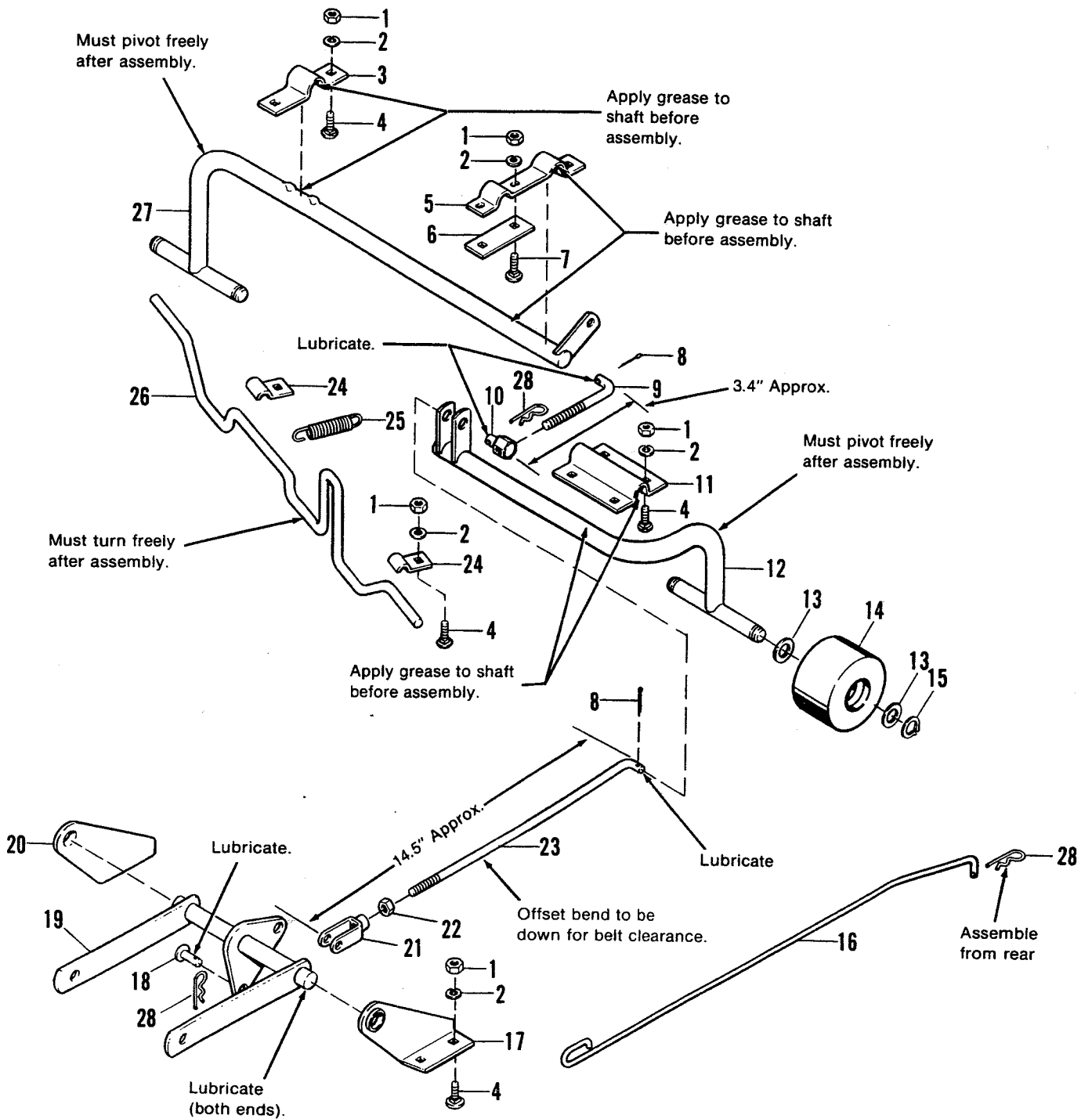
Locate 1/8" from belt.

Torque to 14-20 ft. lbs.

M Torque to 55 ft. lbs.

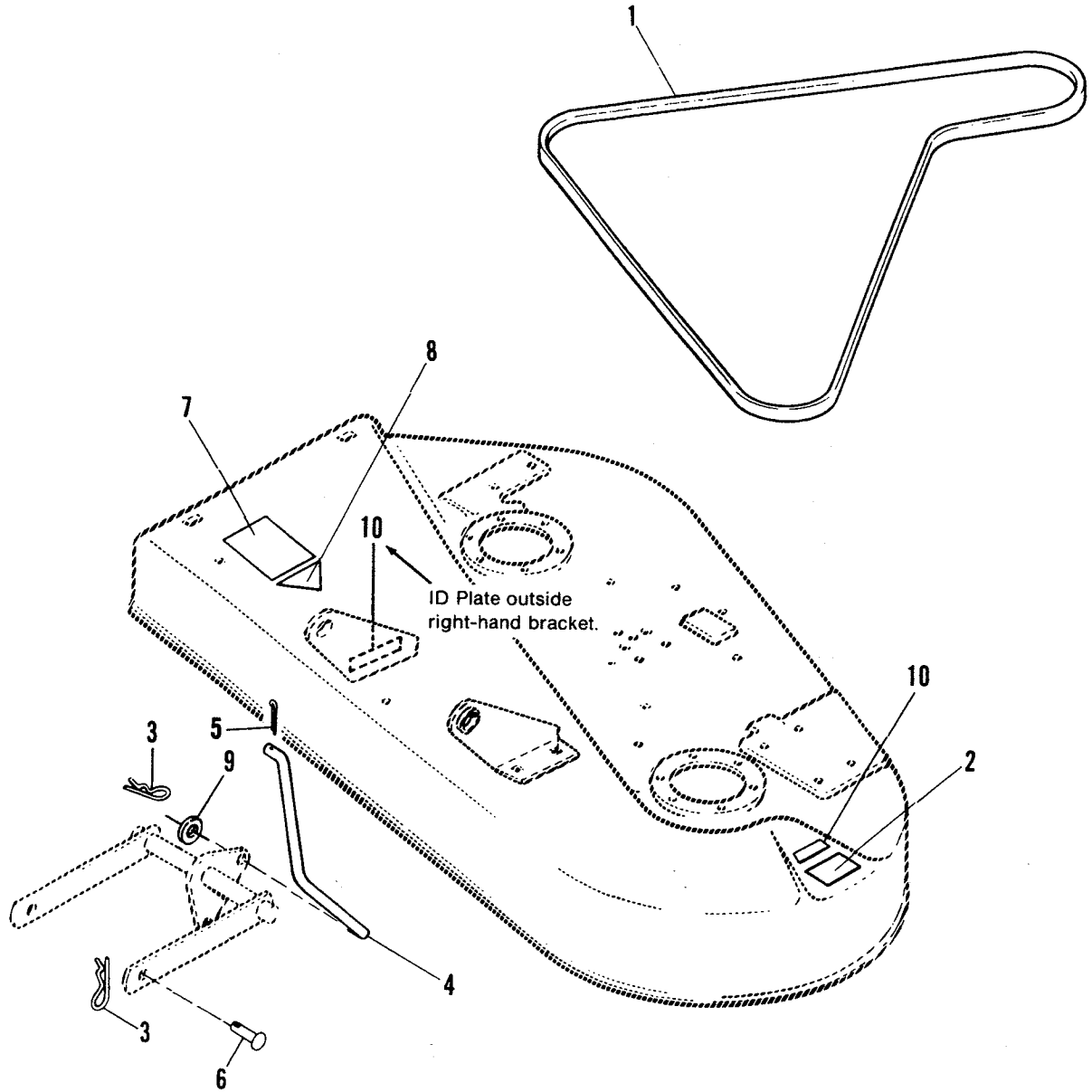
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	923451	2	CAPSCREW, Hex, 7/16-14 x 1-1/2
2	918199	2	LOCKWASHER, 7/16
3	1664858	2	DRIVE PULLEY ASSY.
4	1657969	2	SHIELD, Upper Grass
5	1655729	2	HOUSING, Top
6	108202	4	BEARING
7	1673594	2	SHAFT
8	1685251	2	SHAFT & BEARING ASSY. (Incl. Ref. No. 6, 7 & 15)
9	1655728	2	HOUSING, Bottom
10	1664241	2	WASHER, Shim
11	1664847	11	SCREW, Taptite, 5/16-18 x 5/8
12	927477	1	SCREW, Taptite, 5/16-18 x
13	1657588	2	SHIELD, Lower Grass
14	1655777	2	ADAPTOR, Blade
15	1672132	2	COLLAR, Mower Arbor
16	1657589	2	BLADE
17	1656927	2	WASHER, Spline
18	1656916	2	WASHER, Spring
19	923491	2	CAPSCREW, Hex, 7/16-14 x 1
20	921333	1	CAPSCREW, Hex, 5/16-18 x 1
21	917372	9	NUT, Hex, 5/16-18
22	917356	8	LOCKWASHER, 5/16
23	927793	1	E-RING
24	920562	4	BOLT, Carriage, 5/16-18 x 3/4
25	1671577	1	BAFFLE
26	921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
27	1668500	1	BRACKET, Mower
28	1603205	1	SHAFT, Center Roller
29	933263	2	WASHER, 29/64
30	1668513	1	ROLLER, Small
31	1671592	1	BRACKET, Center Roller
32	1685102	1	HOUSING, 36"
33	1655422	1	DEFLECTOR
34	916965	2	LOCKWASHER, 3/8
35	916950	2	NUT, Hex, 3/8-16
36	922110	2	BOLT, Carriage, 3/8-16 x 3/4
37	156065	2	WASHER, Plain
38	930645	1	LOCKNUT, Hex, Flange, 3/8-16
39	1667153	1	SUPPORT, Up-Stop
40	917642	3	WASHER, Plain, 5/16
41	1669585	1	SPACER
42	922606	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
43	1657660	1	STOP, Belt
44	921332	1	CAPSCREW, Hex, 5/16-18 x 3/4
45	921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
46	1669586	1	ROLLER



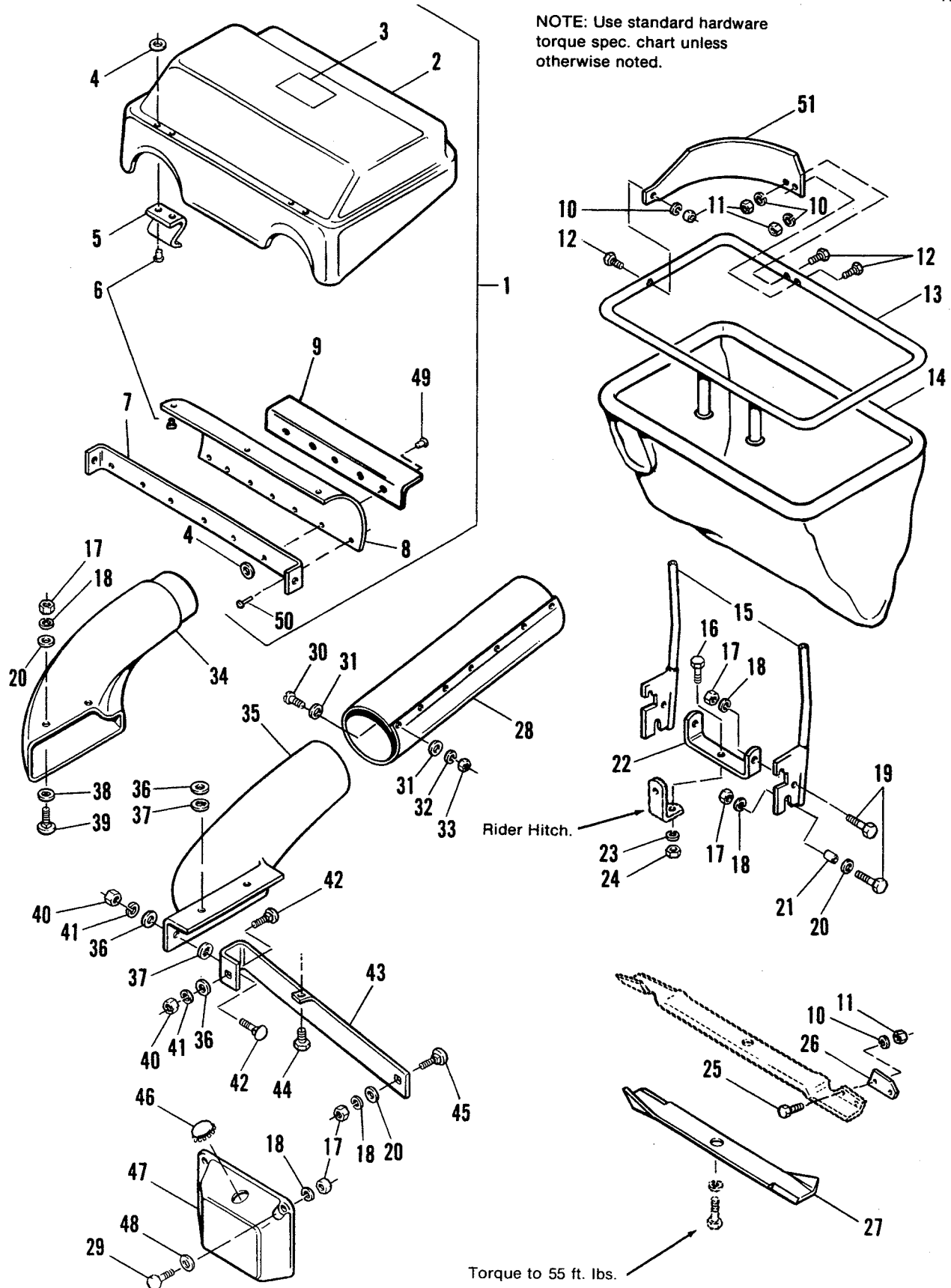
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	917372	15	NUT, Hex, 5/16-18
2	917356	15	LOCKWASHER, 5/16
3	1663942	1	STRAP
4	920562	12	BOLT, Carriage, 5/16-18 x 3/4
5	1663943	1	CLAMP, Wheel Support
6	1664002	1	SPACER
7	920563	3	BOLT, Carriage, 5/16-18 x 1
8	918447	2	PIN, Cotter, 3/32 x 3/4
9	1655811	1	ROD, Bolt
10	108512	1	PIVOT
11	1653768	1	STRAP
12	1663945	1	WHEEL SUPPORT ASSY., L.H.
13	919387	8	WASHER, 41/64
14	1668487	4	ROLLER
15	153124	4	RING, Retainer
16	1665900	1	ROD, Brake
17	1663936	1	BRACKET, Front, L.H.
18	923087	1	PIN, Yoke
19	1664848	1	SUPPORT ARM ASSY.
20	1663937	1	BRACKET, Front, R.H.
21	108157	1	CLEVIS, Adjusting
22	916950	1	NUT, Hex, 3/8-16
23	1663938	1	ROD, Link
24	1664004	2	CLIP
25	156302	1	SPRING
26	1665905	1	BRAKE, Mower
27	1663947	1	WHEEL SUPPORT ASSY., R.H.
28	106787	3	CLIP, Hairpin

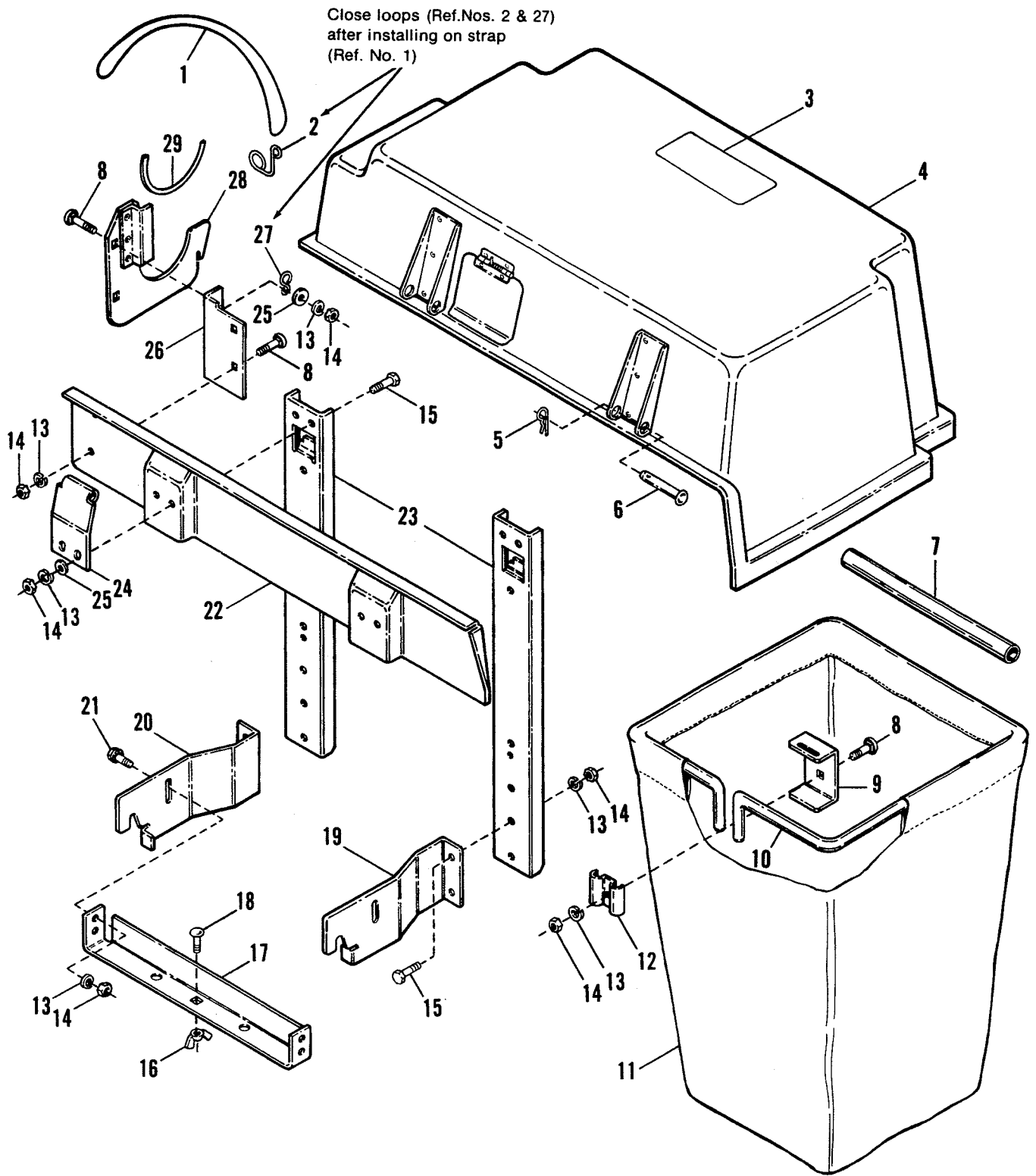


Ref. No.	Part No.	Qty.	Description
1	108508	1	V-BELT
2	1672691	1	DECAL, Danger
3	106787	3	CLIP, Hairpin
4	1665788	1	ROD, Lift
5	918448	1	PIN, 3/32 x 1
6	156306	2	PIN
7	1672692	1	DECAL, Warning
8		1	DECAL, OPEI
9	917378	1	WASHER, Plain, 3/8
10		1	PLATE, I.D.

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

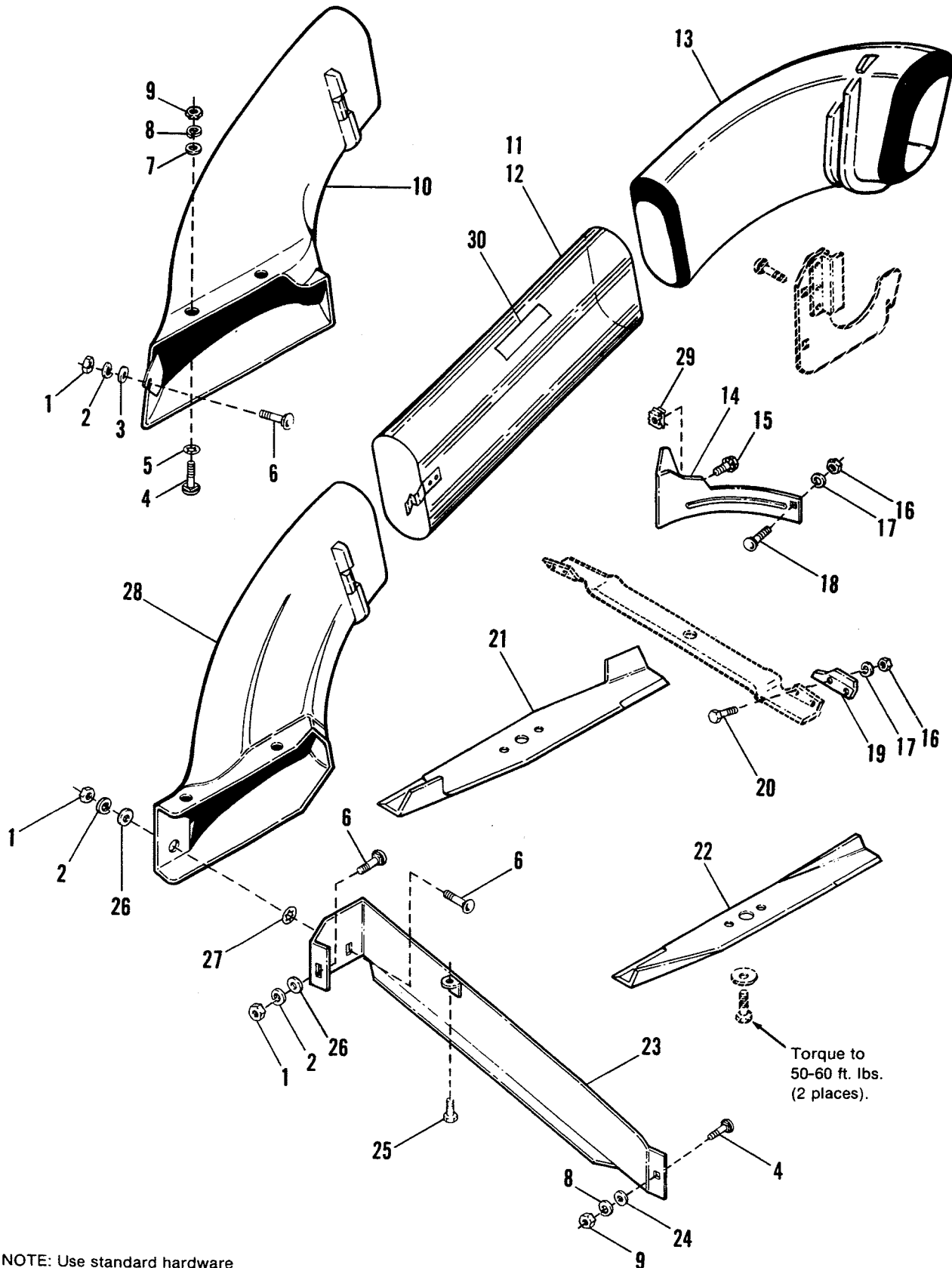


Ref. No.	Part No.	Qty.	Description
1	1667165	1	COVER ASSY. (Includes Ref. Nos. 2-9)
2	1667169	1	COVER
3	1656982	1	DECAL, Warning
4	910531	15	WASHER, Rivet, 3/16
5	1656684	4	CLIP, Cover
6	933075	11	RIVET, Pop, 3/16 x 13/32
7	1667167	1	BRACE
8	1667166	1	SCREEN
9	1668173	1	ANGLE, Screen
10	916964	7	LOCKWASHER, 1/4 (Qty. 3 on 36" Mower)
11	916622	7	NUT, Hex, 1/4 (Qty. 3 on 36" Mower)
12	921961	3	CAPSCREW, Hex, 1/4-20 x 1-1/4
13	1656599	1	FRAME ASSY.
14	1667168	1	BAG, Grass
15	1668494	2	SUPPORT ASSY., Tube
16	921210	1	CAPSCREW, Hex, 3/8-16 x 1
17	917372	10	NUT, Hex, 5/16 (Qty. 9 on 36" Mower)
18	917356	10	LOCKWASHER, 5/16 (Qty. 9 on 36" Mower)
19	921333	6	CAPSCREW, Hex, 5/16-18 x 1
20	917642	6	WASHER, Plain, 5/16 (Qty. 5 on 36" Mower)
21	171371	4	SPACER
22	1666431	1	BAR
23	916965	1	LOCKWASHER, 3/8
24	916950	1	NUT, Hex, 3/8-16
25	935105	4	CAPSCREW, Hex, 1/4-20 x 1 (26" & 30" Mowers)
26	1665419	2	LIFT (26" & 30" Mowers)
27	1667446	1	BLADE (Used on 36" Mower, Discharge Side Only)
28	1666863	1	TUBE, Discharge (36" Mower)
	177104	1	TUBE, Discharge (26" & 30" Mowers)
29	921332	2	CAPSCREW, Hex, 5/16-18 x 3/4
30	922121	8	SCREW, Phillips, #10-32 x 3/8 (Qty. 7 on 36" Mower)
31	920531	16	WASHER, 3/16 (Qty. 14 on 36" Mower)
32	909055	8	LOCKWASHER, #10 (Qty. 7 on 36" Mower)
33	917415	8	NUT, Hex, #10-32 (Qty. 7 on 36" Mower)
34	1665372	1	ADAPTOR, Mower (26" & 30" Mower)
35	1656446	1	ADAPTOR, Mower (36" Mower)
36	917378	4	WASHER, Plain, 3/8 (36" Mower)
37	931942	3	NUT, Push-On (36" Mower)
38	933988	2	NUT, Push-On (26" & 30" Mower)
39	920562	2	BOLT, Carriage, 5/16-18 x 3/4 (26" & 30" Mowers)
40	916950	2	NUT, Hex, 3/8-16 (36" Mower)
41	916965	2	LOCKWASHER, 3/8 (36" Mower)
42	922110	2	BOLT, Carriage, 3/8-16 x 3/4 (36" Mower)
43	1656053	1	BAFFLE ASSY., Discharge (36" Mower)
44	924856	1	SCREW, Taptite, 5/16-18 x 1/2 (36" Mower)
45	931333	1	BOLT, Carriage, 5/16-18 x 3/4 (36" Mower)
46	173341	1	PLUG, Hole
47	1666739	1	COUNTERWEIGHT
48	919381	2	WASHER, Plain, 11/32 x 1
49	920466	5	RIVET, 3/16 x 5/16
50	922470	4	RIVET, 3/16 x 5/8
51	1656980	1	DEFLECTOR



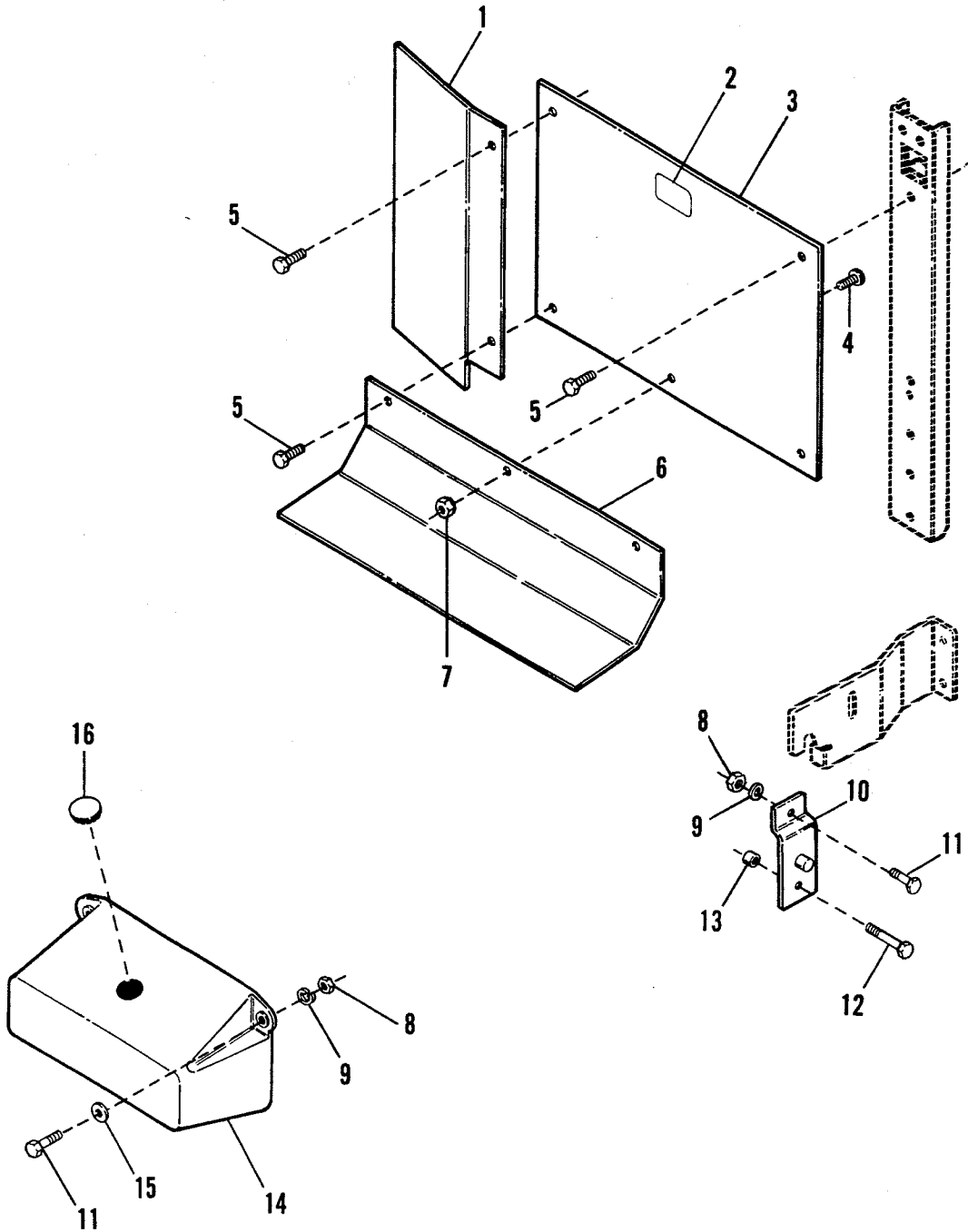
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1665872	1	STRAP
2	1672688	1	HOOK, Strap
3	1672342	1	DECAL, Warning
4	1675293	1	COVER ASSY.
5	106787	2	CLIP, Hair Pin
6	1672344	2	PIN
7	1675707	2	TUBE, Edging
8	923055	6	BOLT, Carriage, 5/16-18 x 7/8
9	1672333	2	HANGER
10	1673602	2	HOOP, Bag
11	1672346	2	BAG, Grass
12	1672023	2	CLAMP
13	917356	21	LOCKWASHER, 5/16
14	917372	21	NUT, Hex, 5/16-18
15	923325	4	CAPSCREW, Hex, 5/16-18 x 7/8
16	933126	1	NUT, Winglock, 5/16-18
17	1672336	1	BRACE, Lower
18	913997	1	BOLT, Carriage, 5/16-18 x 1
19	1672338	1	SUPPORT, L.H.
20	1672339	1	SUPPORT, R.H.
21	930591	4	SCREW, Hex, Whizlock, Flange, 5/16 x 3/4
22	1672341	1	SUPPORT PLATE, Cover
23	1672337	2	BRACE, Upper
24	1672345	2	HINGE, Plate
25	917642	4	WASHER, 3/8 x 7/8
26	1672325	1	MOUNT, Saddle Bracket
27	1672689	1	"S" HOOK
28	1672343	1	BRACKET ASSY., Saddle
29	1673874	1	TRIM



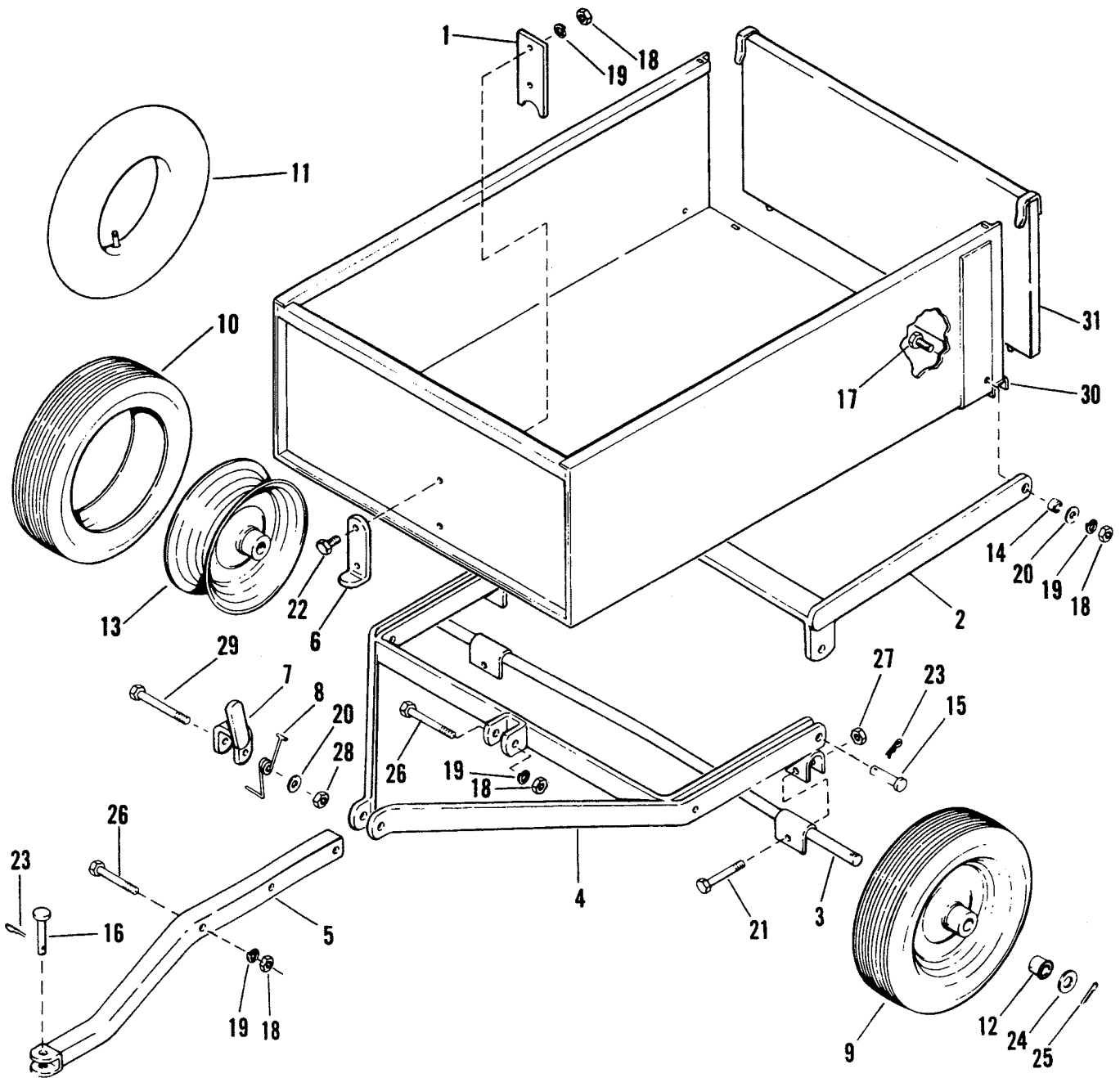
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	916950	1	NUT, Hex, 3/8-16
2	916965	1	LOCKWASHER, 3/8
3	922755	1	WASHER, 13/32 x 1 (1690822 only)
4	923055	3	BOLT, Carriage, 5/16-18 x 7/8 (Qty. 1 on 1690820)
5	933988	2	NUT, Push On (1690822 only)
6	922110	2	BOLT, Carriage, 3/8-16 x 3/4 (Qty. 2 on 1690820, Qty. 1 on 1690822)
7	157643	2	WASHER (1690822 only)
8	917356		LOCKWASHER, 5/16 (Qty. 2 on 1690822, Qty. 1 on 1690820)
9	917372		NUT, Hex, 5/16-18 (Qty. 2 on 1690822, Qty. 1 on 1690820)
10	1673202	1	ADAPTOR ASSY. (1690822 only)
11	1673683	1	TUBE ASSY. (1690820 only)
12	1673681	1	TUBE ASSY. (1689822 only)
13	1669793	1	ELBOW
14	1672171	1	BAFFLE, Deflector, Side (1690820 only)
15	931646	1	SCREW, Whizlock, 1/4-20 x 1/2 (1690820 only)
16	916622		NUT, Hex, 1/4-20 (Qty. 4 on 1690822, Qty. 1 on 1690820)
17	916964		LOCKWASHER, 1/4 (Qty. 4 on 1690822, Qty. 1 on 1690820)
18	923333	1	BOLT, Carriage, 1/4-20 x 5/8 (1690820 only)
19	1665419	2	PLATE, Lift (1690822 only)
20	935105	4	CAPSCREW, 1/4-20 x 5/8 (1690822 only)
21	1671565	1	BLADE, R.H. Side (1690820 only)
22	1671593	1	BLADE, L.H. Side (1690820 only)
23	1656053	1	BAFFLE ASSY., Discharge (1690820 only)
24	917377	1	LOCKWASHER, 1/4 (1690820 only)
25	924856	1	SCREW, Taptite, 5/16-18 x 1/2 (1690820 only)
26	917378	4	WASHER, 3/8 (1690820 only)
27	931942	3	NUT, Push On (1690820 only)
28	1669029	1	ADAPTOR (1690820 only)
29	920462	1	NUT, Retainer, 1/4-20 (1690820 only)
30	1675766	1	DECAL, Cleaning Instructions.



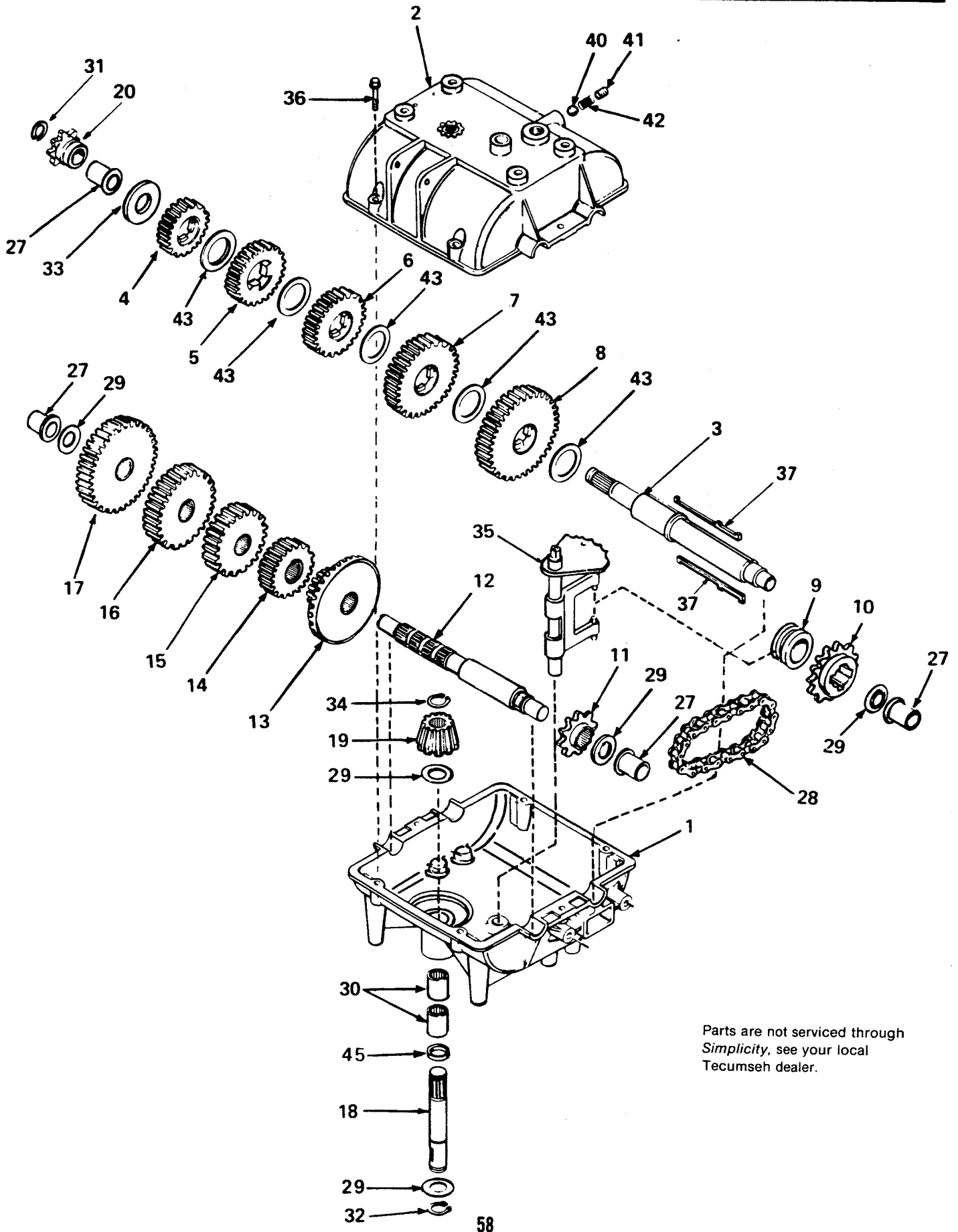
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1672652	1	HEAT DEFLECTOR, Side
2	1667224	1	DECAL, Hot Surface
3	1672587	1	HEAT DEFLECTOR, Upper
4	930531	1	SCREW, Truss Hd., 10-32
5	924856	4	SCREW, Taptite, 5/16-18 x 1/2
6	1672588	1	HEAT DEFLECTOR, Lower
7	928919	1	NUT, Lock
8	917372	6	NUT, 5/16-18
9	917356	6	LOCKWASHER, 5/16
10	1673075	2	SUPPORT ASSY.
11	921333	4	CAPSCREW, Hex, 5/16-18 x 1
12	921221	2	CAPSCREW, Hex, 5/16-18 x 1-1/2
13	1665699	2	SPACER
14	1666739	1	COUNTERWEIGHT
15	919381	2	WASHER, 11/32 x 1
16	1674020	1	PLUG, Hole



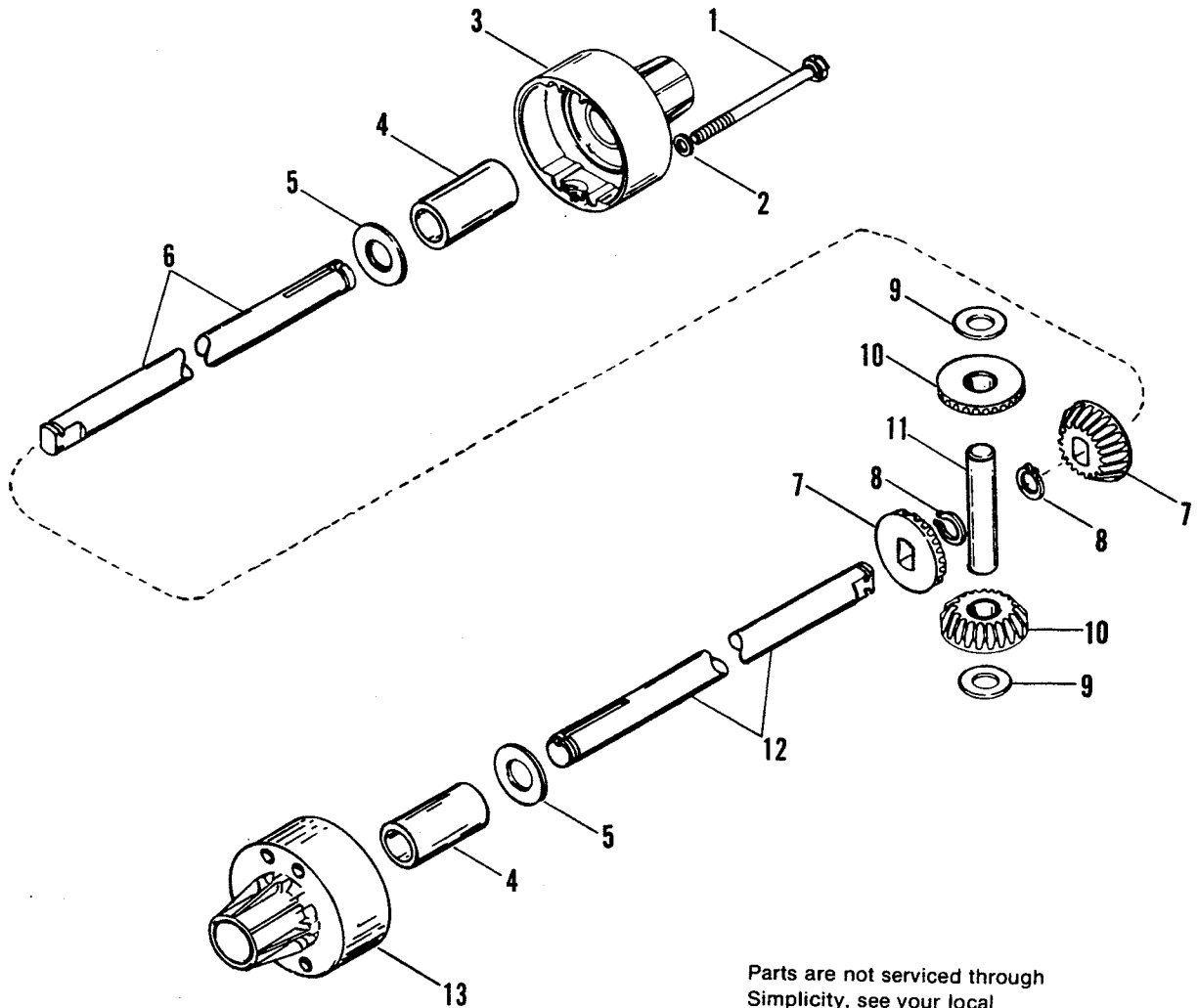
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	102005	1	PLATE, Box Guide
2	102024	1	PIVOT, Box Assy.
3	102027	1	AXLE ASSEMBLY
4	102035	1	FRAME ASSEMBLY
5	102037	1	TONGUE ASSEMBLY
6	102040	1	PLATE, Box Catch
7	102051	1	CLEVIS ASSEMBLY
8	102075	1	SPRING, Tension
9	170320	2	WHEEL & TIRE ASSY. (Incl. Ref. No. 10-13)
10	102052	2	TIRE
11	153038	2	TUBE, 4.00 x 8
12	156316	4	BEARING
13	170319	2	WHEEL
14	8151076	2	BUSHING
15	102004	2	PIN, Pivot
16	105249	1	PIN
17	921210	2	CAPSCREW, Hex, 3/8-16 x 1
18	916950	6	NUT, Hex, Full, 3/8-16
19	916965	6	LOCKWASHER, 3/8
20	917378	3	WASHER, 3/8
21	921978	2	CAPSCREW, 5/16-18 x 2
22	920415	2	CAPSCREW, Hex, 3/8-16 x 1-1/4
23	918196	3	PIN, Quick
24	918433	2	WASHER, Plain, 3/4
25	918459	2	PIN, Cotter, 3/16 x 1-1/2
26	922130	2	CAPSCREW, Hex, 3/8-16 x 2-1/4
27	923362	2	LOCKNUT, Hex, Full, 5/16-18
28	930651	1	LOCKNUT, Hex, Full, 3/8-16
29	930596	1	CAPSCREW, Hex, 3/8-16 x 2-3/4
30	1668478	1	BODY, Trailer
31	1668462	1	GATE END



Ref. No.	Part No.	Description
1	770061	CASE, Transmission
2	772070	COVER, Transmission
3	776164	SHAFT, Output
4	778121A	GEAR, Spur (20 teeth)
5	778122	GEAR, Spur (22 teeth)
6	778123	GEAR, Spur (25 teeth)
7	778124	GEAR, Spur (30 teeth)
8	778125	GEAR, Spur (35 teeth)
9	784266	COLLAR, Shift
10	786082	SPROCKET (18 teeth)
11	786082	SPROCKET (9 teeth)
12	776134	SHAFT, Counter
13	778109	GEAR, Bevel (42 teeth & 15 tooth spur gear)
14	778126	GEAR, Spur (20 teeth)
15	778127	GEAR, Spur (25 teeth)
16	778128	GEAR, Spur (28 teeth)
17	778129	GEAR, Spur (30 teeth)
18	776135	SHAFT, Input
19	778113A	BEVEL PINION, Input
20	786047	SPROCKET (8 teeth)
27	780105	BUSHING, Flanged
28	876081	CHAIN, Roller (No. 41 chain, 24 links)
29	780072	RACE, Thrust
30	780086	BEARING, Needle
31	792072	RING, Retaining
32	792035	RING, Retaining
33	780109	WASHER
34	788040	RING, Retaining
35	784267	ROD & FORK ASSY., Shift
36	792073	SCREW, Hex Hd., Taptite, 1/4-20 x 1-1/4
37	792089A	KEY
40	792077	BALL, Steel, 5/16
41	792078	SCREW, Set, 3/8-16 x 3/8
42	792079	SPRING
43	780108	WASHER, Thrust
45	792001	RING, Square Cut

Parts are not serviced through *Simplicity*, order from your local Tecumseh distributor.



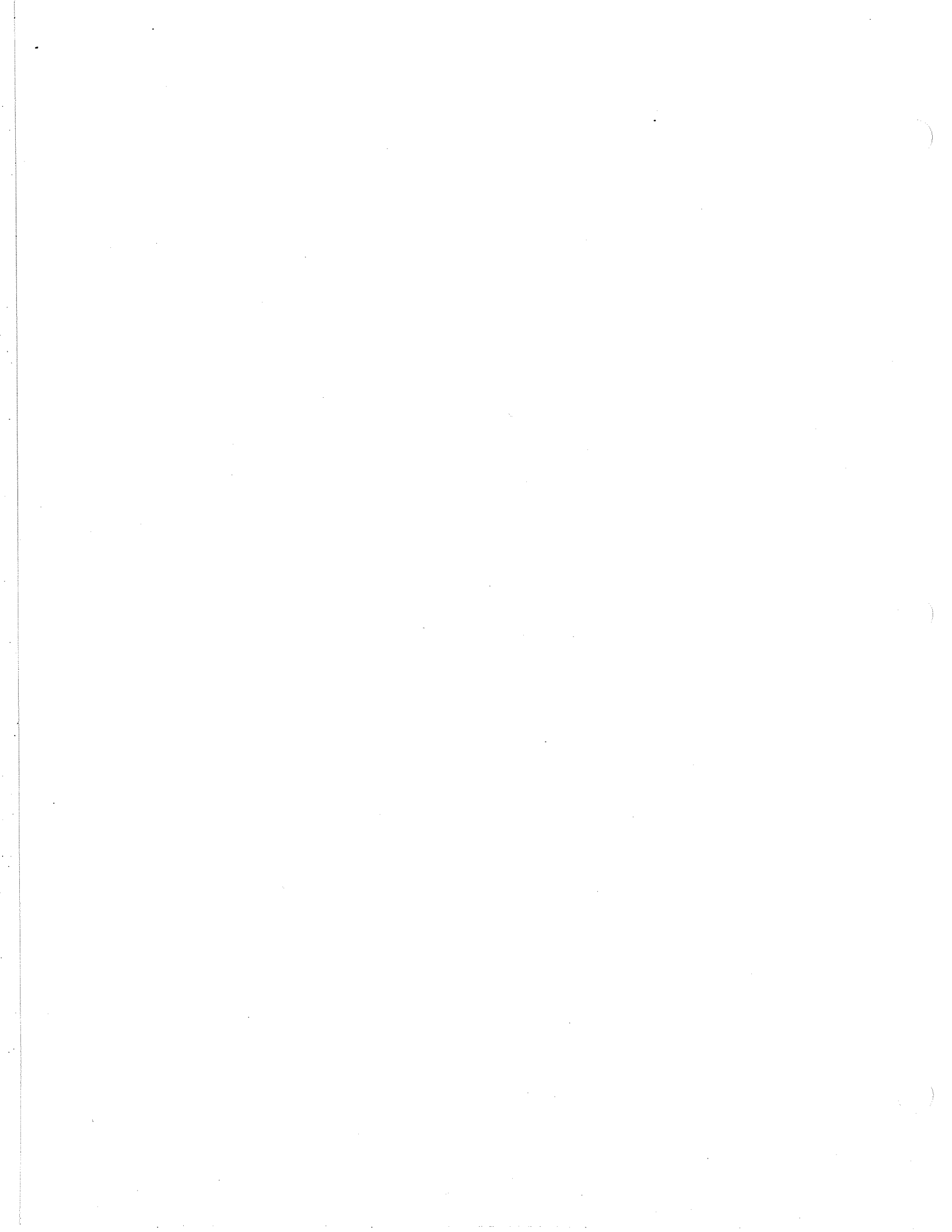
Parts are not serviced through
Simplicity, see your local
Tecumseh dealer.

Ref. No.	Part No.	Qty.	Description
1	792044	4	CAPSCREW, Hex, 5/16-18 x 4
2	729061	4	WASHER
3	774345	1	HOUSING, Differential (Includes Ref. No. 4)
4	780077	2	BUSHING
5	780001	2	WASHER
6	774442	1	AXLE
7	778067	2	GEAR, Bevel
8	792018	2	RING, Snap
9	780096	2	WASHER, Thrust
10	778068	2	GEAR, Pinion
11	786040	1	PIN, Drive
12	774443	1	AXLE
13	774344	1	HOUSING, Differential (Includes Ref. No. 4)




Parts are not serviced through *Simplicity*, order from your local Tecumseh distributor.







**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:

1. These torque values are to be used for all *Simplicity* 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.

BOLT HEAD MARKING

S.A.E. GRADE:

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