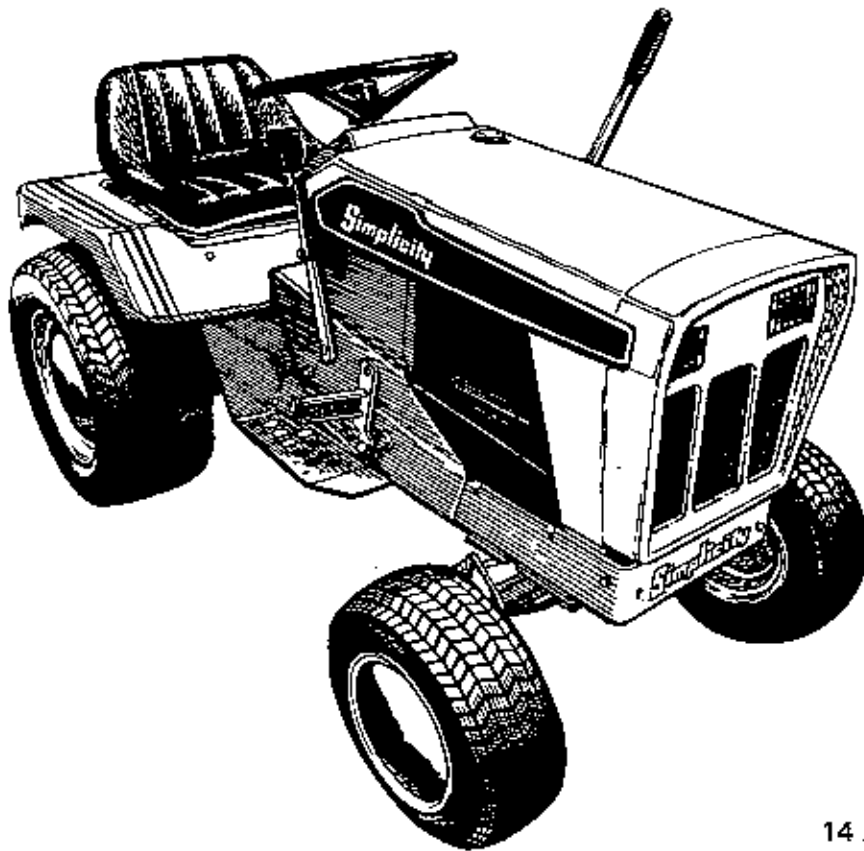


# Parts Manual MODEL 7014S



TP - 494  
PRINTED IN U.S.A.  
776

14 H.P. SHUTTLE TRACTOR  
MFG. NO. 1690337  
42" ROTARY MOWER  
MFG. NO. 1690271  
48" ROTARY MOWER  
MFG. NO. 1690272

# *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 (Roticut) 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 1-3 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.

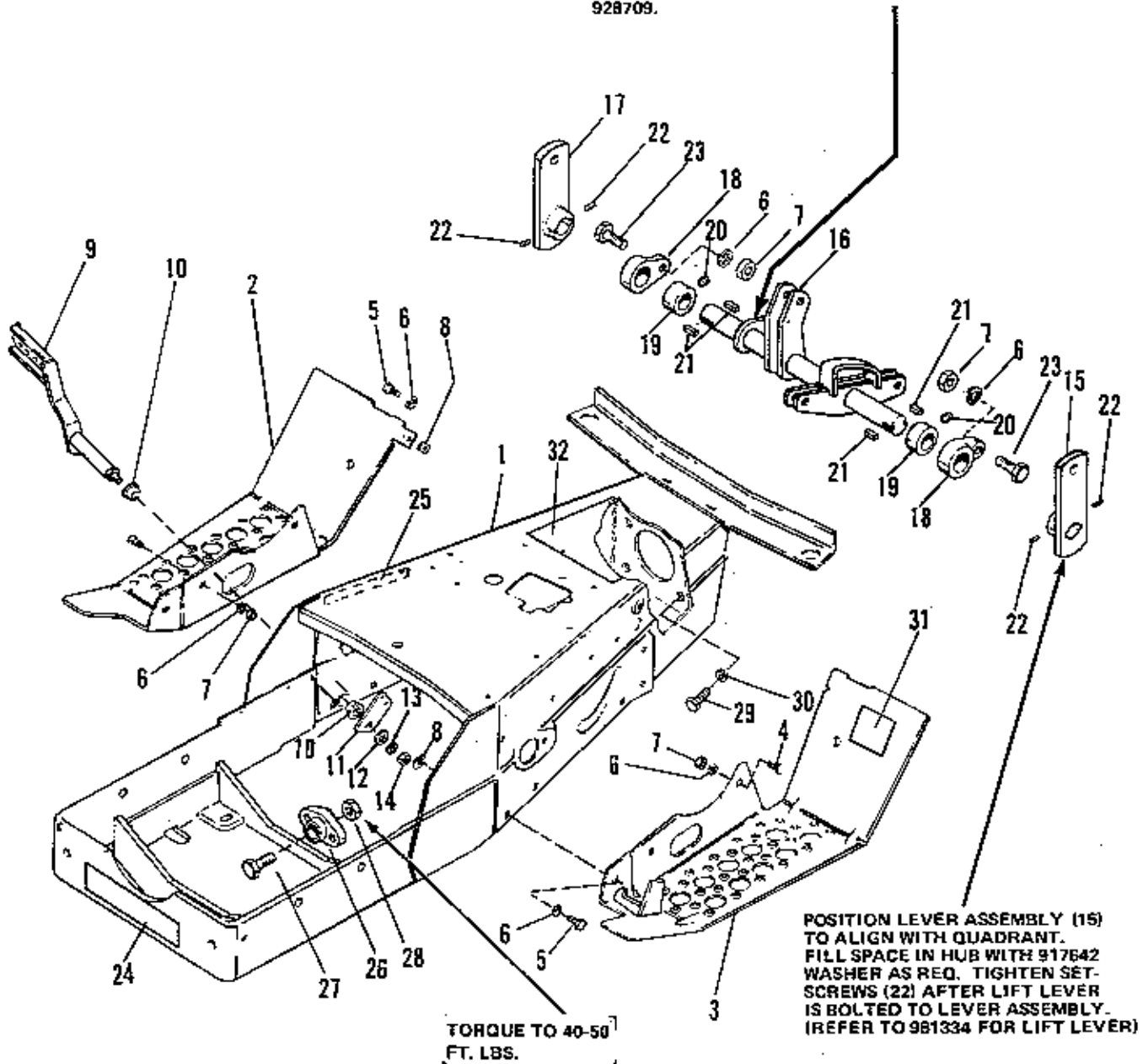
- Small Cover for 4000, 5000,  
& 6100 Tractors 1685540
- Large Cover for 6200, 7000 &  
9000 Tractors 1685541
- SunStar Seat Cover 1685577

**Extend Equipment Life - Use Only Genuine *Simplicity* Parts**

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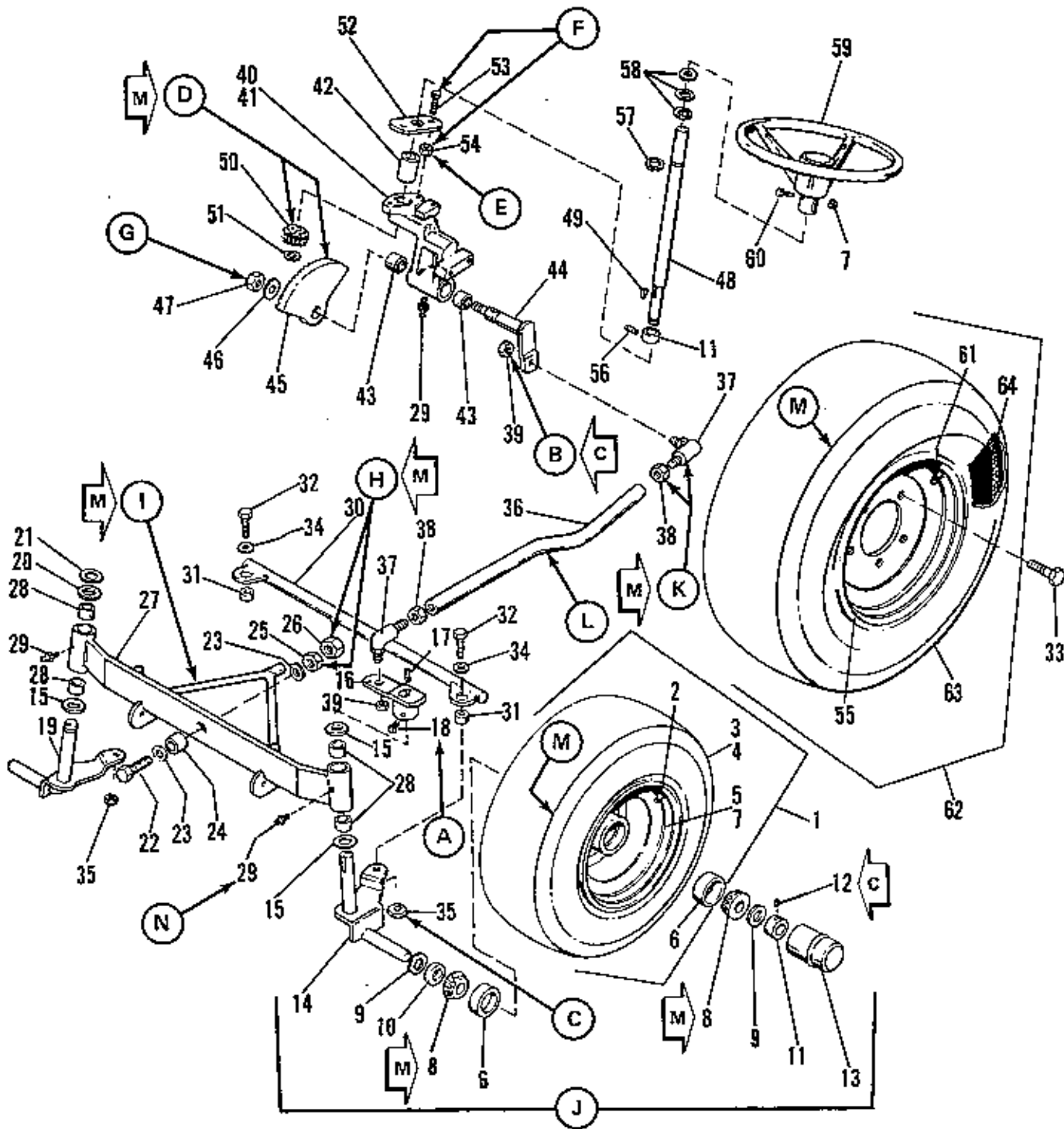
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STANDARD HARDWARE TORQUE SPECIFICATIONS .....	Inside Back Cover

POSITION SHAFT ASSEMBLY 1663168 BY ALIGNING LEVER ARM WITH CENTER OF LIFT CABLE PULLEY BRACKET ON RIGHT HAND SIDE OF FRAME. SECURE SHAFT ASSEMBLY IN PLACE WITH SET COLLARS 157624 AND SETSCREWS 928709.



USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1665256	1	(00000)-( )	REAR FRAME ASSEMBLY
2	171271	1	(00000)-( )	FOOT REST, R.H.
3	176628	1	(00000)-( )	FOOT REST, L.H.
4	920562	6	(00000)-( )	BOLT, Carriage, 5/16-18 x 3/4
5	921332	2	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 3/4
6	917356	10	(00000)-( )	LOCKWASHER, 5/16
7	917372	8	(00000)-( )	NUT, Hex, Full, 5/16-18
8	920470	2	(00000)-( )	NUT, Speed, Tinn., 5/16-18
9	1667472	1	(00000)-( )	FOOT PEDAL ASSEMBLY
10	108419	2	(00000)-( )	BUSHING
11	157300	1	(00000)-( )	ARM, Pedal Foot
12	917378	1	(00000)-( )	WASHER, 3/8
13	916965	1	(00000)-( )	LOCKWASHER, 3/8
14	916950	1	(00000)-( )	NUT, Hex, Full, 3/8-16
15	171593	1	(00000)-( )	FRONT LIFT LEVER ASSEMBLY
16	1663168	1	(00000)-( )	LIFT SHAFT ASSEMBLY
17	157625	1	(00000)-( )	LIFT LEVER ASSEMBLY
18	170975	2	(00000)-( )	BEARING, Lift Lever
19	157624	2	(00000)-( )	SET, Collar
20	928709	2	(00000)-( )	SETSCREW, Cup Pt., 5/16-18 x 3/8
21	157652	4	(00000)-( )	KEY
22	928734	4	(00000)-( )	SETSCREW, Soc. Hd., 5/16-18 x 1/4
23	921977	2	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
24	153166	1	(00000)-( )	DECAL, Simplicity
25	174954	1	(00000)-( )	DECAL, Clutch
26	1653876	1	(00000)-( )	BEARING, Pivot
27	928727	2	(00000)-( )	CAPSCREW, Whiz, 3/8-16 x 1-1/4
28	928352	2	(00000)-( )	NUT, Flange, 3/8-16
29	921212	4	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
30	918199	4	(00000)-( )	LOCKWASHER, 7/16
31	1655727	1	(00000)-( )	DECAL, Parking Brake
32	176821	1	(00000)-( )	DECAL, Shift Pattern



NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171376	2	(00000)-( )	WHEEL & TIRE ASSEMBLY
2	156035	2	(00000)-( )	VALVE STEM & CAP
3	157490	2	(00000)-( )	TIRE, 16-6.50 x 8 Goodyear
	1605965	2	(00000)-( )	TIRE, 16-6.50 x 8, Carlisle
4	164247	2	(00000)-( )	TUBE, 16-6.50 x 8
5	171377	2	(00000)-( )	WHEEL ASSEMBLY
6	154393	4	(00000)-( )	CUP, Bearing
7	929001	1	(00000)-( )	LOCKNUT, Flange, 5/16-18
8	154486	4	(00000)-( )	CONE, Bearing
9	171375	4	(00000)-( )	SPACER
10	170168	2	(00000)-( )	SEAL
11	8021010	3	(00000)-( )	COLLAR, Set
12	928691	2	(00000)-( )	SETSCREW, Sq. Hd., Cup Pt., 5/16-18 x 5/16
13	154487	2	(00000)-( )	CAP, Hub
14	171774	1	(00000)-( )	SPINDLE ASSY, L.H.
15	108181	3	(00000)-( )	WASHER
16	170998	1	(00000)-( )	ARM, Steering, L.H.
17	157427	2	(00000)-( )	KEY, Square
18	928721	2	(00000)-( )	SETSCREW, 5/16-18 x 1/2
19	157494	1	(00000)-( )	SPINDLE ASSY, R.H.
20	8061012	1	(00000)-( )	WASHER
21	927794	1	(00000)-( )	RING, Retaining, No. 75
22	927469	1	(00000)-( )	CAPSCREW, Hex Hd., 1/2-13 x 2-1/4
23	918431	2	(00000)-( )	WASHER, Plain, 1/2
24	157618	1	(00000)-( )	SPACER
25	930648	1	(00000)-( )	LOCKNUT, Hex, 1/2-13
26	913744	1	(00000)-( )	NUT, Jam Hex, 1/2-13
27	1650553	1	(00000)-( )	FRONT AXLE ASSY (with bushings)
28	154289	4	(00000)-( )	BUSHING
29	914687	3	(00000)-( )	FITTING, Grease
30	157499	1	(00000)-( )	TIE ROD ASSY
31	154177	2	(00000)-( )	SPACER
32	921210	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
33	8261100	10	(00000)-( )	BOLT, Hub
34	917378	2	(00000)-( )	WASHER, Plain, 3/8
35	930651	2	(00000)-( )	LOCKNUT, Hex, 3/8-16
36	171830	1	(00000)-( )	LINK, Drag
37	164272	2	(00000)-( )	JOINT, Ball
38	919262	2	(00000)-( )	NUT, Jam Hex, 1/2-20
39	930245	2	(00000)-( )	LOCKNUT, Hex, 1/2-20
40	171832	1	(00000)-( )	STEERING HOUSING ASSEMBLY (Incl. 42 & 43)
41	170960	1	(00000)-( )	HOUSING, Steering
42	170992	1	(00000)-( )	BUSHING, Steering
43	154258	2	(00000)-( )	BEARING, Needle
44	170999	1	(00000)-( )	STEERING ARM ASSEMBLY
45	170987	1	(00000)-( )	GEAR, Bevel
46	918430	1	(00000)-( )	WASHER, Plain, 7/16
47	924058	1	(00000)-( )	LOCKNUT, Hex, 7/16-14
48	171020	1	(00000)-( )	SHAFT, Steering
49	910224	1	(00000)-( )	KEY, Woodruff, No. 6, 5/32 x 5/8
50	170988	1	(00000)-( )	PINION, Bevel








NOTE: PARTS REF. NO. 51-64 CONTINUED  
ON THE FOLLOWING PAGE.

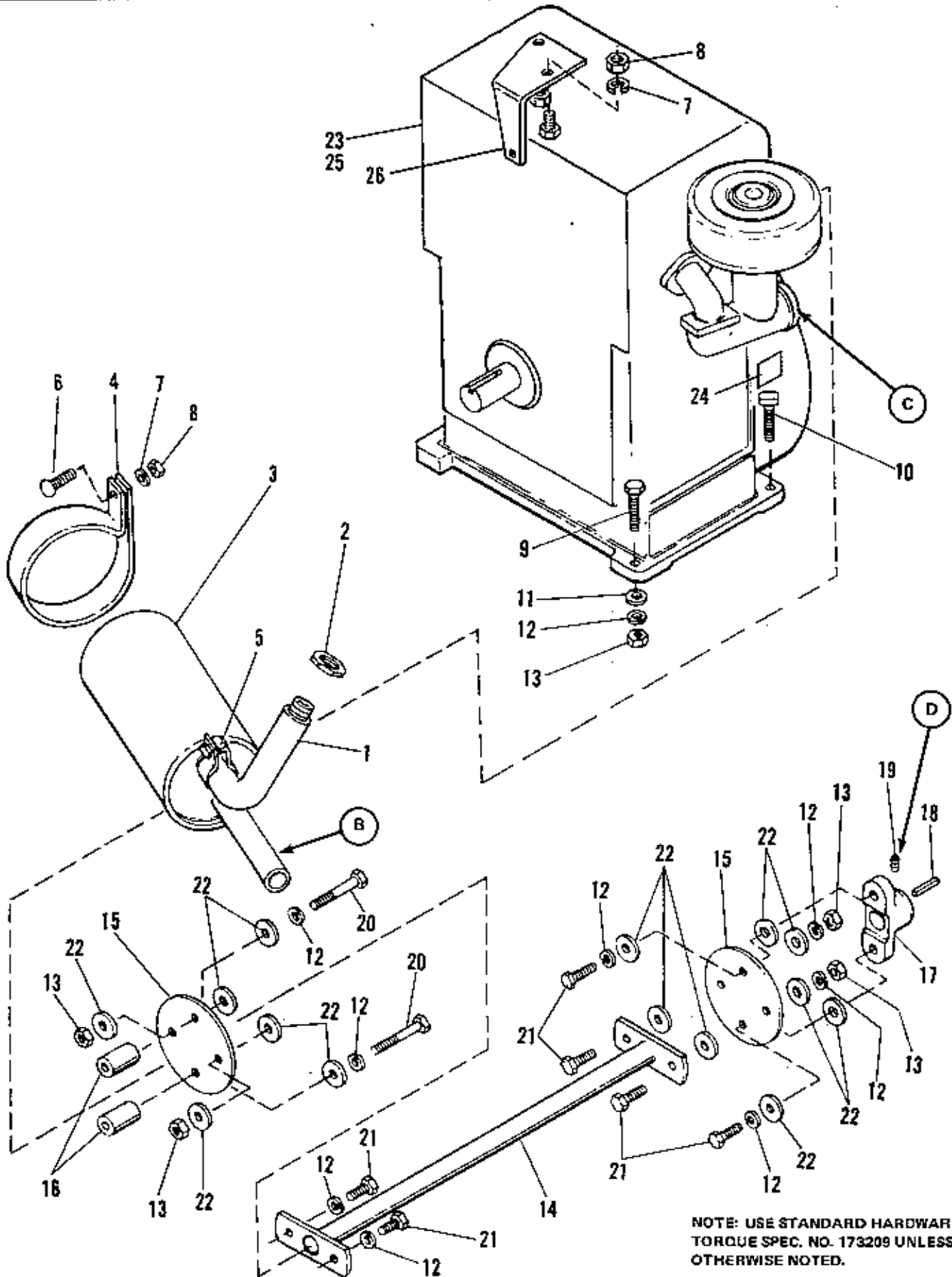
Ref. No.	Part No.	Qty.	Serial No.	Description
51	1602155	1	{00000}-{ }	"E" RING
52	171000	1	{00000}-{ }	PLATE, Steering
53	920415	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
54	928731	2	{00000}-{ }	LOCKNUT, 3/8-16
55	173430	2	{00000}-{ }	WHEEL DRIVE
56	928734	1	{00000}-{ }	SETSCREW, Sq. Hd., 5/16-18 x 1/4
57	154264	1	{00000}-{ }	RING, Retaining
58	158223	3	{00000}-{ }	WASHER
59	1606342	1	{00000}-{ }	WHEEL, Steering
60	921977	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
61	172353	2	{00000}-{ }	STEM & VALVE CAP
62	173431	2	{00000}-{ }	WHEEL & TIRE ASSEMBLY, 23-10.50 x 12
63	157024	2	{00000}-{ }	TIRE 23-8.50 x 12 Goodyear
	1605968	2	{00000}-{ }	TIRE, 23-8.50 x 12, Carlisle
64	157602	2	{00000}-{ }	TUBE, 23-8.50 x 12

NOTE: PARTS REF. NO. 1-50 FOUND ON  
PRECEDING PAGE



## WHEEL, AXLE & STEERING GROUP

- A. Torque to 13 Ft. Lbs. Min. (2 Places).
- B. 930633 Nut – Torque to 40-60 Ft. Lbs. (2 Places). 
- C. Torque to 15-22 Ft. Lbs. (2 Places).
- D. Timing marks on pinion 170988 and gear 170987 must be in line. Do not brush grease on tooth surfaces of gear and pinion. 
- E. Torque 16-21 Ft. Lbs.
- F. Remove backlash in assembly by turning capscrew 917400 until backlash is set and lock by tightening locknut 928731 against plate 171000.
- G. Torque 25-33 Ft. Lbs.
- H. Torque nut 930648 to 80-100 Ft. Lbs. Lock nut in place after torquing by holding nut 930648 and tightening jam nut 913744 to 45-55 Ft. Lbs. 
- I. Axle assembly 1652104 must pivot freely after assembly. 
- J. Assemble items on front spindle in order listed.
- a. 171375 spacer
  - b. 170168 seal
  - c. 154486 bearing
  - d. Wheel & Tire Assembly
  - e. 154486 bearing
  - f. 171375 spacer
  - g. 8021010 Collar & 928641 setscrew – Torque setscrews to 9-10 Ft. Lbs. Min. 
  - h. 154487 hub cap
- Apply lithium grease to bearings 154486 at time of assembly. After assembly is complete, bearings must rotate freely without end play. 
- K. Hold ball joints when tightening jam nuts (2 Places). 
- L. NOTE: Adjust length of drag link assembly 1650571 by positioning end ball joints so that front wheels will be in the straight ahead position when the steering gear arm is positioned at approx. 19° as shown. The steering wheel mounting hole  $\odot$  is to be parallel to fore and aft  $\odot$  of tractor.
- M. NOTE: Tire pressure as received from vendor = 20 PSI Min. at time of assembly.
- N. Apply grease to spindle bearings (2 Places).



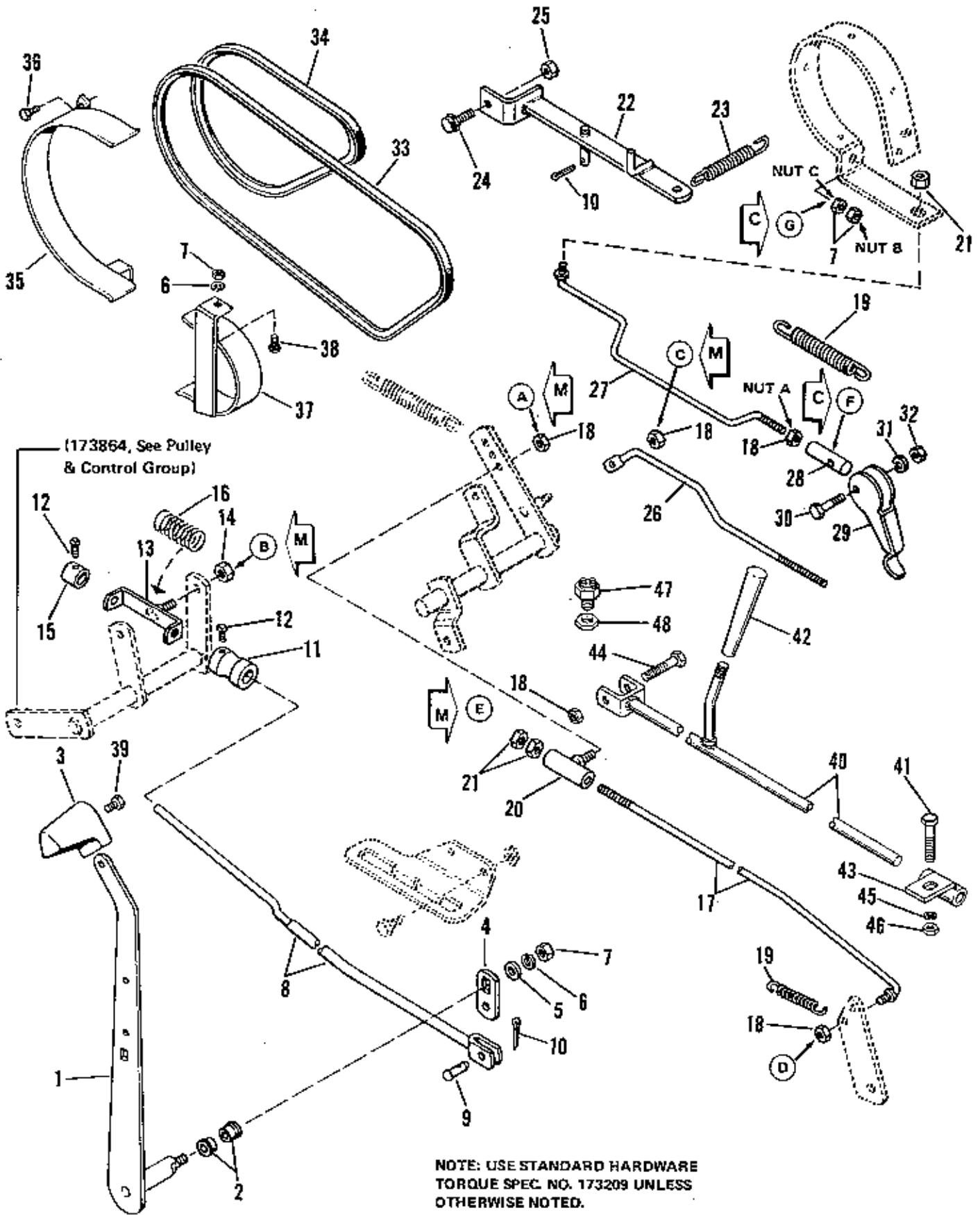
NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656492	1	{00000}-{ }	ELBOW & NIPPLE ASSY
2	154378	1	{00000}-{ }	LOCKNUT
3	170456	1	{00000}-{ }	MUFFLER, Exhaust
4	171880	1	{00000}-{ }	STRAP, Muffler
5	172061	1	{00000}-{ }	CLAMP, Muffler
6	933689	1	{00000}-{ }	BOLT, Carriage, 5/16-18 x 1-1/4
7	917356	3	{00000}-{ }	LOCKWASHER, 5/16
8	917372	3	{00000}-{ }	NUT, Hex, 5/16-18
9	921969	3	{00000}-{ }	CAPSCREW, Hex, Hd., 3/8-16 x 1-1/2
10	172455	1	{00000}-{ }	CAPSCREW, Rect. Hd., 3/8-16 x 1-5/16
11	917378	4	{00000}-{ }	WASHER, 3/8
12	916965	12	{00000}-{ }	LOCKWASHER, 3/8
13	916950	8	{00000}-{ }	NUT, Hex, 3/8-16
14	172328	1	{00000}-{ }	SHAFT ASSY, Drive
15	173026	2	{00000}-{ }	COUPLING
16	1656397	2	{00000}-{ }	SPACER
17	172264	1	{00000}-{ }	FLANGE, Drive Shaft
18	157427	1	{00000}-{ }	KEY, Drive Shaft
19	924624	1	{00000}-{ }	SETSCREW, 3/8-24 x 3/8
20	922130	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
21	920415	6	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
22	157424	16	{00000}-{ }	WASHER, Special
23		1	{00000}-{ }	ENGINE, 14 H.P., Briggs & Stratton
24	172707	1	{00000}-{ }	FILM, Oil Level Instructions
25	157096	1	{00000}-{ }	DECAL, Caution
26	1663308	1	{00000}-{ }	SUPPORT, Muffler

- A. When muffler is assembled onto engine, exhaust pipe must line up with hole in side of hood.
- B. Choke button to be pushed in on dash panel and choke lever on carburetor to be in open position before tightening clamp bolt.
- C. Tighten setscrew after drive shaft assembly has been secured to engine flywheel adaptor.





#### THROTTLE ADJUSTMENT


1. Place throttle lever on dash in full throttle position — up and forward against stop.
2. Install end of throttle control cable wire into engine throttle control rod.
3. Raise engine throttle rod until lower adjusting nut is against stop.
4. Hold lower adjusting nut up against stop and secure cable clamp.
5. Move throttle control lever through full range and back to full throttle position to check adjustment.




Ref. No.	Part No.	Qty.	Serial No.	Description
1	171072	1	{00000}-{ }	LEVER ASSY
2	108419	2	{00000}-{ }	BUSHING
3	171185	1	{00000}-{ }	KNOB
4	164123	1	{00000}-{ }	LINK
5	917378	1	{00000}-{ }	WASHER, 3/8
6	916965	2	{00000}-{ }	LOCKWASHER, 3/8
7	916950	3	{00000}-{ }	NUT, Hex, Full, 3/8-16
8	173876	1	{00000}-{ }	ROD ASSY
9	1651167	1	{00000}-{ }	PIN
10	918447	2	{00000}-{ }	PIN, Cotter, 3/32 x 3/4
11	174855	1	{00000}-{ }	DETENT, Brake
12	928804	2	{00000}-{ }	SETSCREW, 1/4-20 x 3/8
13	175335	1	{00000}-{ }	GUIDE ASSY, Rod
14	930628	1	{00000}-{ }	NUT, Hex, Lock, 3/8-24
15	105201	1	{00000}-{ }	COLLAR, Set
16	162065	1	{00000}-{ }	SPRING
17	174105	1	{00000}-{ }	ROD ASSY, Brake & Control
18	923362	5	{00000}-{ }	NUT, Hex, Lock, 5/16-18
19	121037	2	{00000}-{ }	SPRING
20	164094	1	{00000}-{ }	GUIDE ASSY, Rod
21	917372	3	{00000}-{ }	NUT, Hex, Full, 5/16-18
22	174852	1	{00000}-{ }	LEVER ASSY, Brake
23	175290	1	{00000}-{ }	SPRING
24	174854	1	{00000}-{ }	PAD ASSY, Brake
25	920161	1	{00000}-{ }	NUT, Hex, Jam, 5/16-18
26	172722	1	{00000}-{ }	ROD, Brake
27	174708	1	{00000}-{ }	ROD ASSY, Parking Brake
28	171994	1	{00000}-{ }	ROD, End
29	172108	1	{00000}-{ }	LEVER, Parking Brake
30	928745	1	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
31	930666	1	{00000}-{ }	LOCKWASHER, Obl., 1/4
32	923329	1	{00000}-{ }	NUT, Hex, Lock, 1/4-20
33	174731	1	{00000}-{ }	"V" BELT, Drive
34	174883	1	{00000}-{ }	"V" BELT, Forward Drive
35	174394	1	{00000}-{ }	GUARD ASSY, Pulley
36	930601	2	{00000}-{ }	SCREW, Taptite, 5/16-16 x 5/8
37	174424	1	{00000}-{ }	GUARD ASSY, Belt
38	922110	1	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
39	926771	1	{00000}-{ }	SCREW, Thd. Forming, 1/4-20 x 7/8
40	171559	1	{00000}-{ }	ROD ASSY, Shift
41	923341	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
42	164180	1	{00000}-{ }	HANDLE, Shift Rod
43	157020	1	{00000}-{ }	GUIDE ASSY, Shift Assy
44	930570	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
45	917356	1	{00000}-{ }	LOCKWASHER, 5/16
46	917372	1	{00000}-{ }	NUT, Hex, Lock, 5/16-18
47	177522	1	{00000}-{ }	SWITCH, Interlock
48	930647	1	{00000}-{ }	NUT, Pal
49	916964	1	{00000}-{ }	LOCKWASHER, 1/4
50	916622	1	{00000}-{ }	NUT, Hex, Full, 1/4-20

## BRAKE AND LEVER GROUP -- SHUTTLE

- A. Tighten nut until guide 164094 is secure but free to pivot. 
- B. Tighten nut until bracket 175335 is secure but free to pivot. 
- C. Tighten nut until rod 172722 is secure but free to pivot. 
- D. Nut must be snug but free to pivot.
- E. CLUTCH FREE TRAVEL ADJUSTMENT 
  1. Rotate belt drive a minimum of 3 revolutions.
  2. Make sure clutch pedal is released & clutch is as far to the rear as it will go.
  3. Adjust double nuts for .25 between nuts & rod guide & lock together.

-  F. PARKING BRAKE ADJUSTMENT
  1. Loosen nut "A".
  2. Rotate parking brake lever 172108 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 16.7° (30 percent) slope -- (Ref. ANSI STD. B-71.1 -- 1972 -- P. P. 18.3).
  5. After parking brake is properly adjusted, secure adjustment tightening nut "A".

-  G. FOOT PEDAL BRAKE ADJUSTMENT

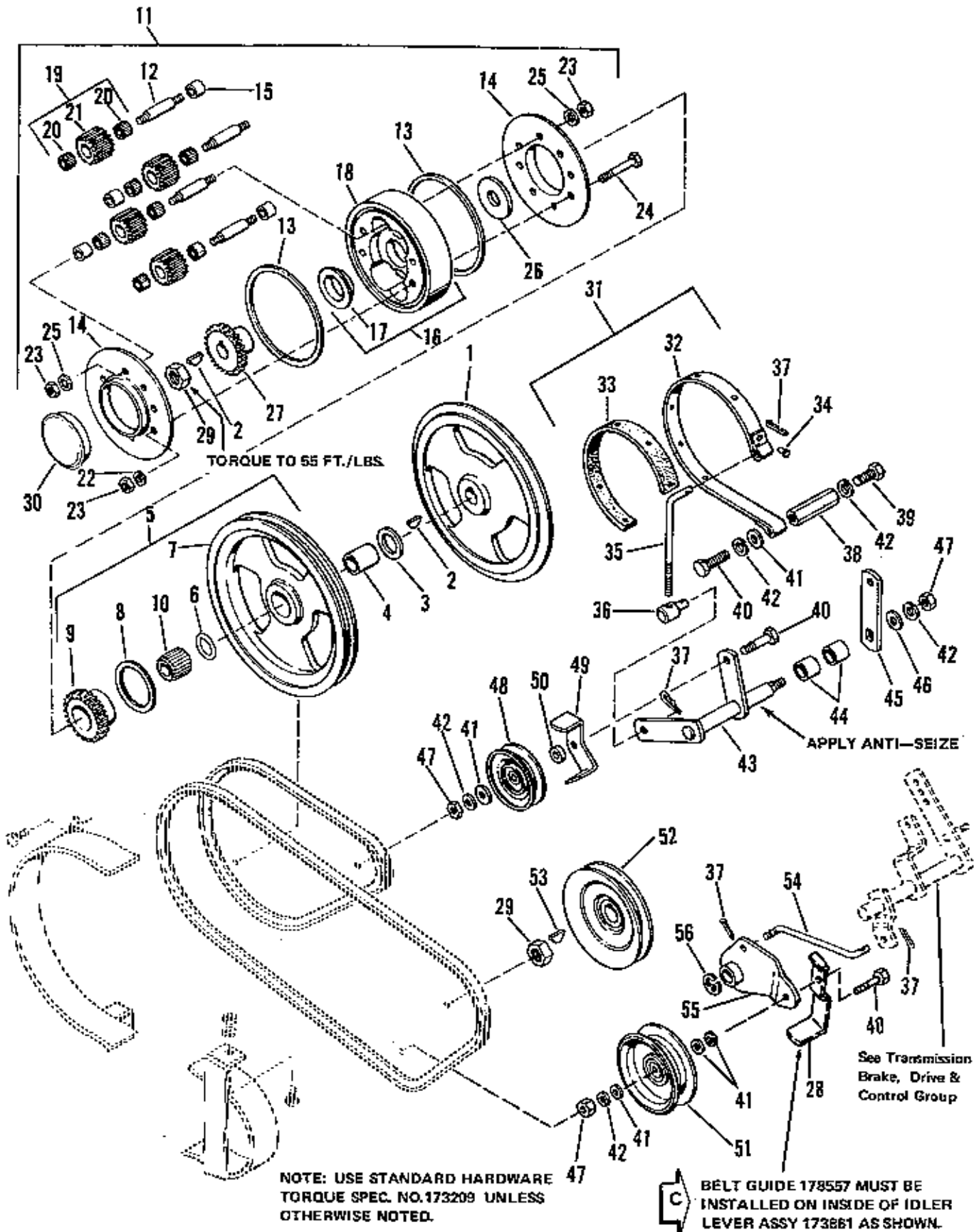
After parking brake & clutch free travel adjustments have been completed, adjust foot pedal brake as follows:

  1. Lock parking brake.
  2. Depress foot pedal until transmission drive belt clutch is fully disengaged & hold.
  3. Turn foot pedal adjustment nut "B" against the brake band to limit travel of foot pedal to the foot pedal position established in paragraph 2 above.
  4. Lock adjustment nut "C" against adjustment nut "B" to secure brake adjustment.
  5. Check Brake --
    1. Transmission drive belt clutch must be fully disengaged before service brake engages.
    2. After adjustment, brake must stop tractor motion in both directions in a braking distance of 2 feet for each M.P.H. of maximum vehicle velocity. This shall be accomplished with a maximum force of 50 lbs. applied to the brake foot pedal (Ref. ANSI STD. B-71.1 -- 1972 P.P. 18.2).

**H. ADJUSTMENT PROCEDURE**

1. Set forward-reverse control lever (item 1) in neutral position.
2. Center notch of 174855 brake detent (item 11) & pin on 174852 brake lever assy (item 22). Tighten setscrew.
3. Set forward-reverse control lever (item 1) either drive position.
4. Adjust 174854 brake pad assy (item 24) to provide 1/8 inch clearance between brake pad & sheave, tighten jam nut.
5. Set forward-reverse control lever (item 1) in neutral position.
6. Push rod guide assy (item 13) forward until slack is removed from forward drive belt. Tighten setscrew.
7. Adjust set collar (item 15) to obtain 1/8 to 3/16 gap between the rod guide (item 13) and set collar, when the forward-reverse control lever (item 1) is in the forward notch.
8. Set forward-reverse control lever (item 1) in neutral position.
9. Remove slack from brake band (group 981327, item 31). Align pivot pin & hole in lever. Install pivot & fasten with hairpin cotter.
10. Lubricate brake detent (item 11) with 173719 (Lithium No.2 ) grease.

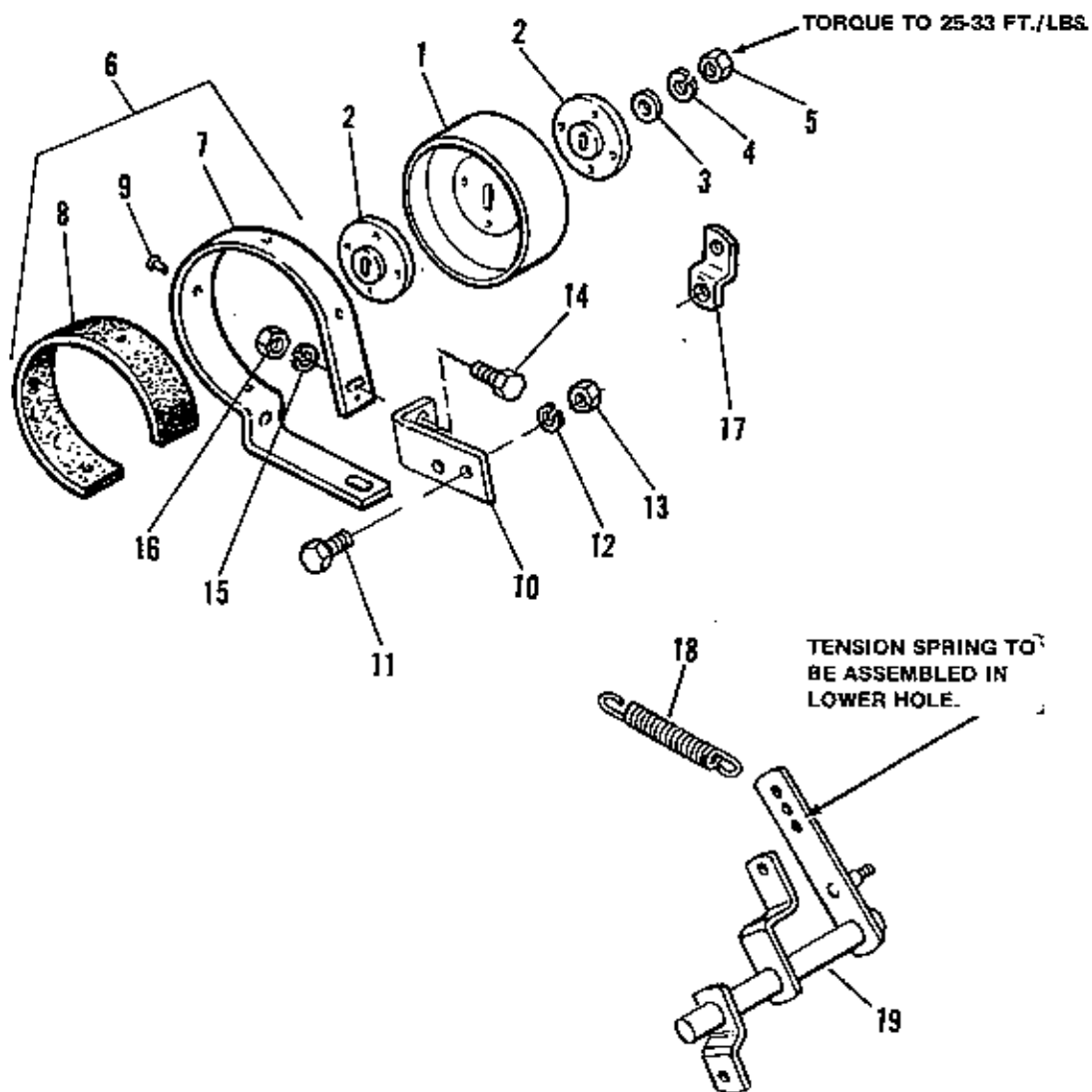
J. Use Standard Hardware Torque Spec. 173209 Unless Otherwise Noted.





Ref. No.	Part No.	Qty.	Serial No.	Description
1	173793	1	{00000}-{ }	PULLEY, Half
2	905123	2	{00000}-{ }	KEY, Woodruff, No. 9
3	174570	1	{00000}-{ }	BEARING, Thrust
4	174568	1	{00000}-{ }	RACE, Inner
5	178255	1	{00000}-{ }	PULLEY ASSY
6	118019	1	{00000}-{ }	SEAL
7	173794	1	{00000}-{ }	PULLEY
8	174981	1	{00000}-{ }	SEAL
9	175712	1	{00000}-{ }	GEAR, Sun
10	177343	1	{00000}-{ }	BEARING, Needle
11	176256	1	{00000}-{ }	PLANETARY ASSY
12	174025	4	{00000}-{ }	PIN, Pinion
13	174399	2	{00000}-{ }	"O" RING
14	174404	2	{00000}-{ }	COVER, Differential
15	174569	4	{00000}-{ }	BEARING, Sleeve
16	174586	1	{00000}-{ }	CARRIER SUB- ASSY, Planetary
17	174789	1	{00000}-{ }	BEARING, Flange
18	173795	1	{00000}-{ }	CARRIER, Planetary
19	176257	4	{00000}-{ }	PINION ASSY, Planetary
20	174567	2	{00000}-{ }	BEARING, Needle
21	175710	1	{00000}-{ }	PINION, Planetary
22	917356	4	{00000}-{ }	LOCKWASHER, 5/16
23	917372	12	{00000}-{ }	NUT, Hex, Full, 5/16-18
24	919354	4	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 2
25	923300	8	{00000}-{ }	LOCKWASHER, Internal, 5/16
26	174274	1	{00000}-{ }	WASHER, Thrust
27	175714	1	{00000}-{ }	GEAR, Sun
28	178557	1	{00000}-{ }	GUIDE, Belt
29	922133	2	{00000}-{ }	NUT, Hex, Jam, Lock, 3/4-16
30	174584	1	{00000}-{ }	CAP, Hub
31	174381	1	{00000}-{ }	BRAKE BAND ASSY
32		1	{00000}-{ }	BAND, Brake
33	174383	1	{00000}-{ }	LINING
34	925021	6	{00000}-{ }	RIVET, No. 7 x 1/4
35	174385	1	{00000}-{ }	ROD
36	108172	1	{00000}-{ }	PIVOT
37	918447	4	{00000}-{ }	PIN, Cotter, 3/32 x 3/4
38	174386	1	{00000}-{ }	ANCHOR, Brake
39	921210	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
40	921969	3	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
41	917642	6	{00000}-{ }	WASHER, 5/16
42	916965	5	{00000}-{ }	LOCKWASHER, 3/8
43	173864	1	{00000}-{ }	LEVER ASSY
44	118092	2	{00000}-{ }	BUSHING
45	174427	1	{00000}-{ }	LEVER
46	917378	1	{00000}-{ }	WASHER, 3/8
47	916950	3	{00000}-{ }	NUT, Hex, Full, 3/8-16
48	174561	1	{00000}-{ }	PULLEY, Idler
49	174402	1	{00000}-{ }	GUIDE, Belt
50	174870	1	{00000}-{ }	SPACER
51	174497	1	{00000}-{ }	PULLEY, Idler
52	174359	1	{00000}-{ }	PULLEY, Drive
53	930670	1	{00000}-{ }	KEY
54	164088	1	{00000}-{ }	LINK, Clutch
55	173861	1	{00000}-{ }	LEVER ASSY, Idler
56	1602155	1	{00000}-{ }	"E" RING

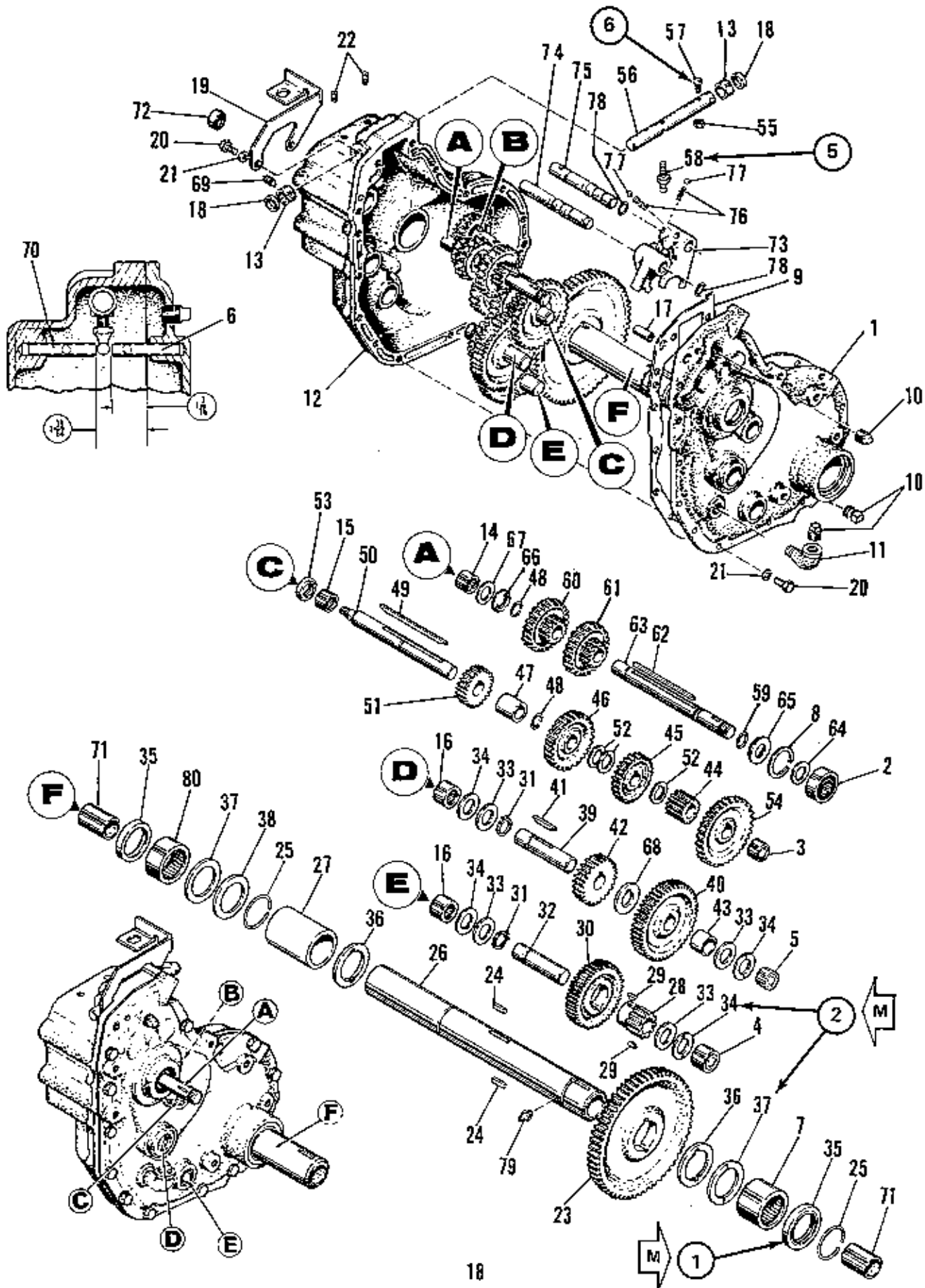
NOTE: PACK 176256 PLANETARY ASSY WITH 4 OUNCES OF 173719 LITHIUM NO. 2 GREASE.



NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	157282	1	(00000)-( )	DRUM, Brake
2	158198	2	(00000)-( )	WASHER, Special
3	917378	1	(00000)-( )	WASHER, 3/8
4	918199	1	(00000)-( )	LOCKWASHER, 7/16
5	918213	1	(00000)-( )	NUT, Hex, Full, 7/16-14
6	171497	1	(00000)-( )	BAND ASSY, Brake
*7		1	(00000)-( )	BAND, Brake
8	154133	1	(00000)-( )	LINING, Brake
9	928308	4	(00000)-( )	RIVET, Tubular
10	154133	1	(00000)-( )	BRACKET, Brake Band
11	920415	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1
12	916965	2	(00000)-( )	LOCKWASHER, 3/8
13	916950	2	(00000)-( )	NUT, Hex, Full, 3/8-16
14	916019	2	(00000)-( )	CAPSCREW, Hex Hd., 1/4-20 x 3/4
15	916964	2	(00000)-( )	LOCKWASHER, 1/4
16	916622	2	(00000)-( )	NUT, Hex, Full, 1/4-20
17	174893	1	(00000)-( )	CLIP, Spring
18	174896	1	(00000)-( )	SPRING
19	172724	1	(00000)-( )	LEVER ASSY, Pivot

\*NOTE: To Service Brake Band Ref. No. 7, Order Ref. No. 6 Brake Band Assy.





Ref. No.	Part No.	Qty.	Serial No.	Description
1	164226	1	(00000)-( )	COVER, Gear Case
2	108202	1	(00000)-( )	BEARING, Ball
3	154257	1	(00000)-( )	BEARING, Needle
4	154259	1	(00000)-( )	BEARING, Needle
5	154271	1	(00000)-( )	BEARING, Needle
6	154537	1	(00000)-( )	ROLL PIN ASSEMBLY
7	157520	1	(00000)-( )	BEARING, Needle
8	164064	1	(00000)-( )	RING, Retaining
9	164234	1	(00000)-( )	GASKET, Gear Case
10	901653	3	(00000)-( )	PLUG, Pipe, Sq. Hd., 3/8
11	901723	1	(00000)-( )	ELBOW, Street
12	174592	1	(00000)-( )	GEAR CASE ASSEMBLY
13	121084	2	(00000)-( )	SPACER, Diff.
14	154257	1	(00000)-( )	BEARING, Needle
15	154258	1	(00000)-( )	BEARING, Needle
16	154259	2	(00000)-( )	BEARING, Needle
17	918113	2	(00000)-( )	PIN, Spring, 3/8 x 1
18	157619	2	(00000)-( )	SEAL, Oil
19	164251	1	(00000)-( )	SUPPORT, Switch
20	916431	16	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1
21	917356	16	(00000)-( )	LOCKWASHER, 5/16
22	917231	2	(00000)-( )	SETScrew, Soc. Hd., 5/16-18 x 1/2
23	154095	1	(00000)-( )	GEAR, Drive
24	154096	2	(00000)-( )	KEY
25	154268	2	(00000)-( )	RING, Snap
26	164222	1	(00000)-( )	TUBE & BUSHING ASSEMBLY (Includes Ref. No. 71)
27	154098	1	(00000)-( )	SPACER, Axle Tube
28	154092	1	(00000)-( )	PINION, 3rd Interm.
29	910224	2	(00000)-( )	KEY, Woodruff, No. 6
30	154051	1	(00000)-( )	GEAR, 3rd Interm.
31	154266	2	(00000)-( )	RING, Retaining
32	154091	1	(00000)-( )	SHAFT, 3rd Interm.
33	172978	4	(00000)-( )	WASHER
34	172979	4	(00000)-( )	WASHER
35	154269	2	(00000)-( )	SEAL
36	154130	2	(00000)-( )	WASHER, Axle Tube
37	172977	2	(00000)-( )	WASHER, Axle Tube
38	154097	1	(00000)-( )	WASHER, Axle Tube
39	154086	1	(00000)-( )	SHAFT, 2nd Interm.
40	154089	1	(00000)-( )	GEAR, 2nd Interm.
41	154267	1	(00000)-( )	KEY
42	164062	1	(00000)-( )	PINION, 2nd Interm.
43	154090	1	(00000)-( )	SPACER
44	154079	1	(00000)-( )	PINION, 1st Interm.
45	154080	1	(00000)-( )	PINION, Driver III
46	154081	1	(00000)-( )	GEAR, Driver II
47	154082	1	(00000)-( )	SPACER
48	154264	2	(00000)-( )	RING, Retaining
49	154354	1	(00000)-( )	KEY
50	157290	1	(00000)-( )	SHAFT, 1st Interm.

NOTE: PARTS REF. NO. 51-86 CONTINUED  
ON THE FOLLOWING PAGE.

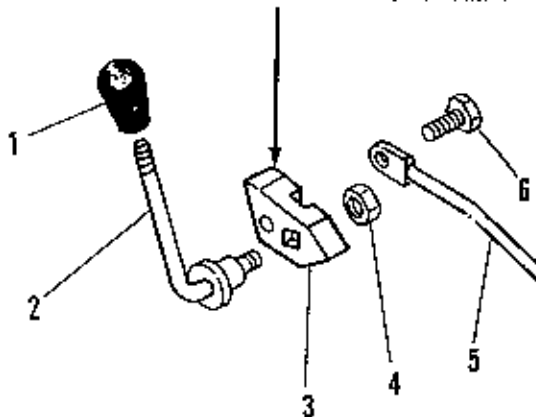
Ref. No.	Part No.	Qty.	Serial No.	Description
51	174228	1	(00000)-( )	PINION, Rev. & IV
52	8061012	3	(00000)-( )	WASHER
53	154263	1	(00000)-( )	SEAL, Oil
54	154078	1	(00000)-( )	GEAR, Driven I
55	920161	1	(00000)-( )	NUT, Jam Hex, 5/16-18
56	164250	1	(00000)-( )	ROD, Shift
57	172241	1	(00000)-( )	BOLT CARRIAGE, Special
58	172779	1	(00000)-( )	STEM, Shift
59	118134	1	(00000)-( )	RING, Retaining
60	174234	1	(00000)-( )	GEAR ASSY
61	154075	1	(00000)-( )	PINION ASSEMBLY I & II
62	164294	1	(00000)-( )	KEY
63	173807	1	(00000)-( )	SHAFT, Pulley
64	108472	1	(00000)-( )	WASHER
65	154462	1	(00000)-( )	WASHER
66	172981	1	(00000)-( )	WASHER
67	172982	1	(00000)-( )	WASHER
68	154038	1	(00000)-( )	WASHER
69	929277	1	(00000)-( )	SCREW, Set. 3/8-16 x 3/8
70	154538	1	(00000)-( )	ROLL PIN ASSY
71	1653120	2	(00000)-( )	BEARING, Needle
72	174583	1	(00000)-( )	PLUG, Expansion
73	154069	2	(00000)-( )	FORK, Shift
74	154067	1	(00000)-( )	SHAFT, Shifter
75	154068	1	(00000)-( )	SHAFT, Shifter, Hi-Lo
76	154323	2	(00000)-( )	SPRING
77	905358	2	(00000)-( )	BALL, Shiftlock
78	8081048	2	(00000)-( )	RING, Retaining
79	914687	1	(00000)-( )	FITTING, Grease
80	157519	1	(00000)-( )	BEARING, Needle

NOTE: PARTS REF. NO. 1-50 FOUND ON  
PRECEDING PAGE.

**TRANSMISSION GROUP**

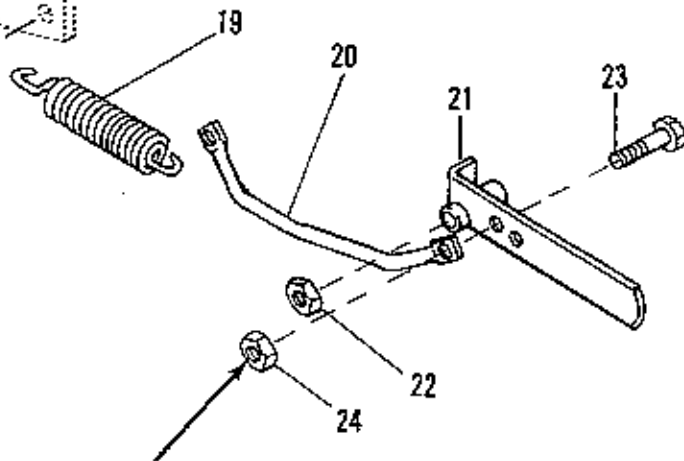
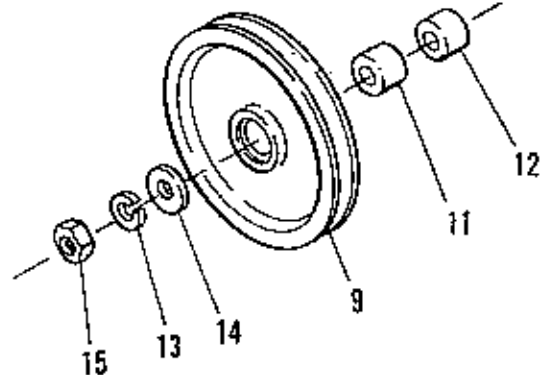
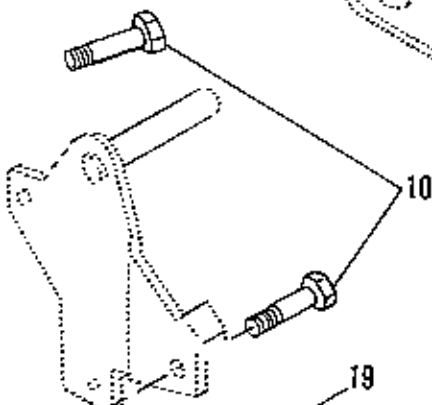
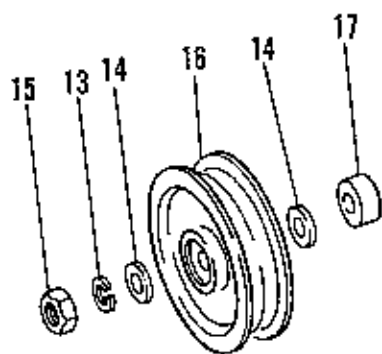
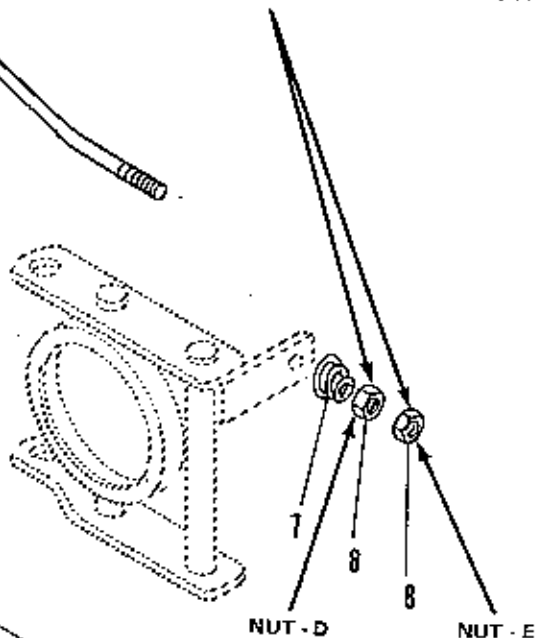
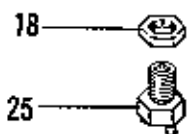
1. Grease inside of lips of all seals before installation. Install seals with springs toward inside. 
2. All fabric washers to be installed with groove facing toward bearing in case and cover. 
3. Apply Loctite and torque to 18-23 Ft./Lbs.
4. Adjust carriage bolt to proper height so that safety switch will make contact when transmission is in neutral position.
5. Use Standard Hardware Torque Spec. No. 173209 unless otherwise noted.

ADJUST P.T.O. INTERLOCK SWITCH 177522 TO MAKE CONTACT WHEN LEVER 173991 IS RESTING AGAINST TOP OF FRAME.



**CENTER P.T.O. ADJUSTMENT**

1. ADJUST P.T.O. ADJUSTMENT NUT "D" UNTIL PULLEY TRAVEL FROM ENGAGED TO DIS-ENGAGED POSITION EQUALS .12 INCHES.
2. SECURE ADJUSTMENT BY LOCKING NUTS "D" AND "E" TOGETHER.
3. CHECK CLUTCH FOR PROPER DISENGAGEMENT.

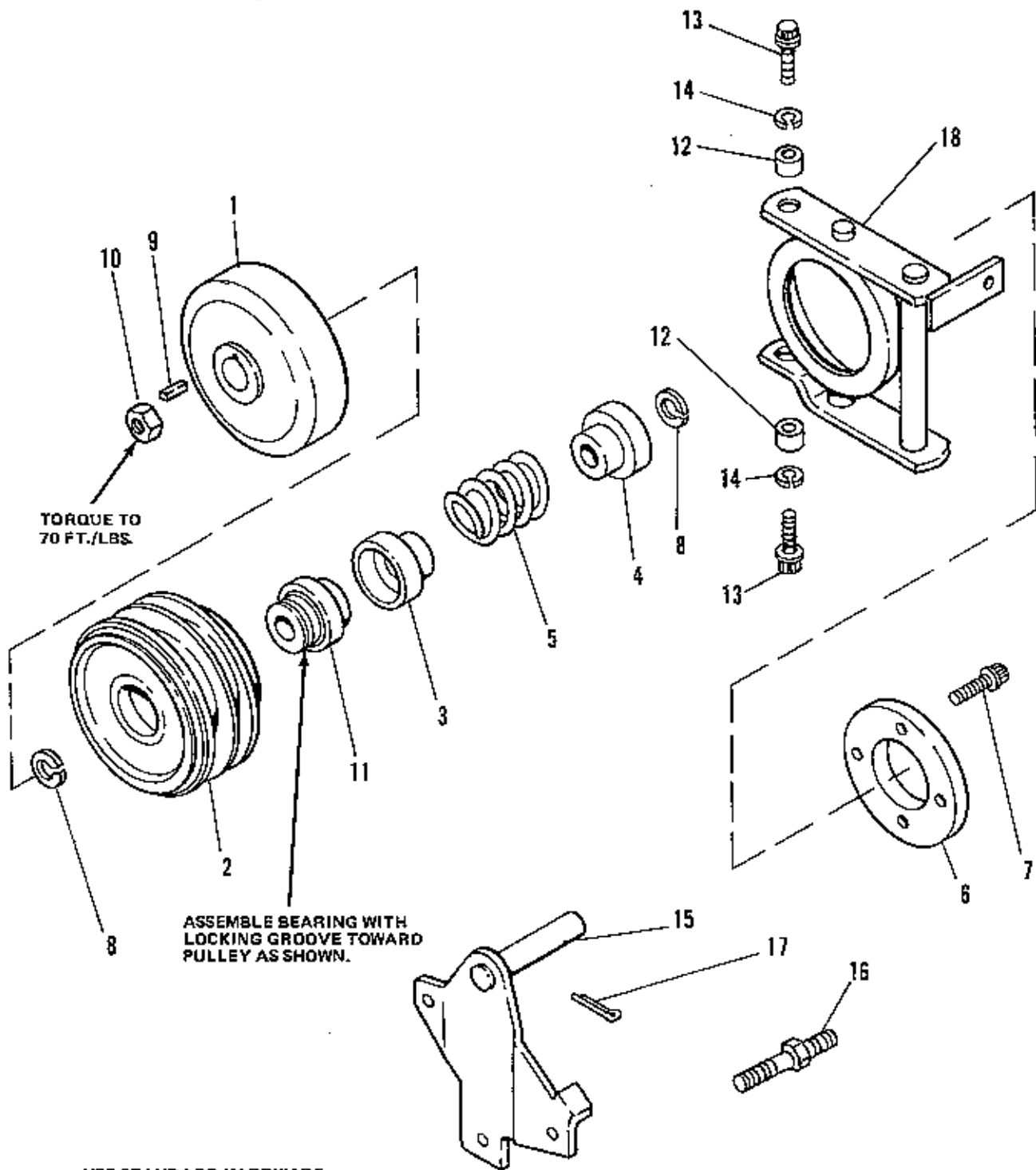


USE STANDARD HARDWARE TORQUE SPEC. NO. 173209 UNLESS OTHERWISE NOTED.

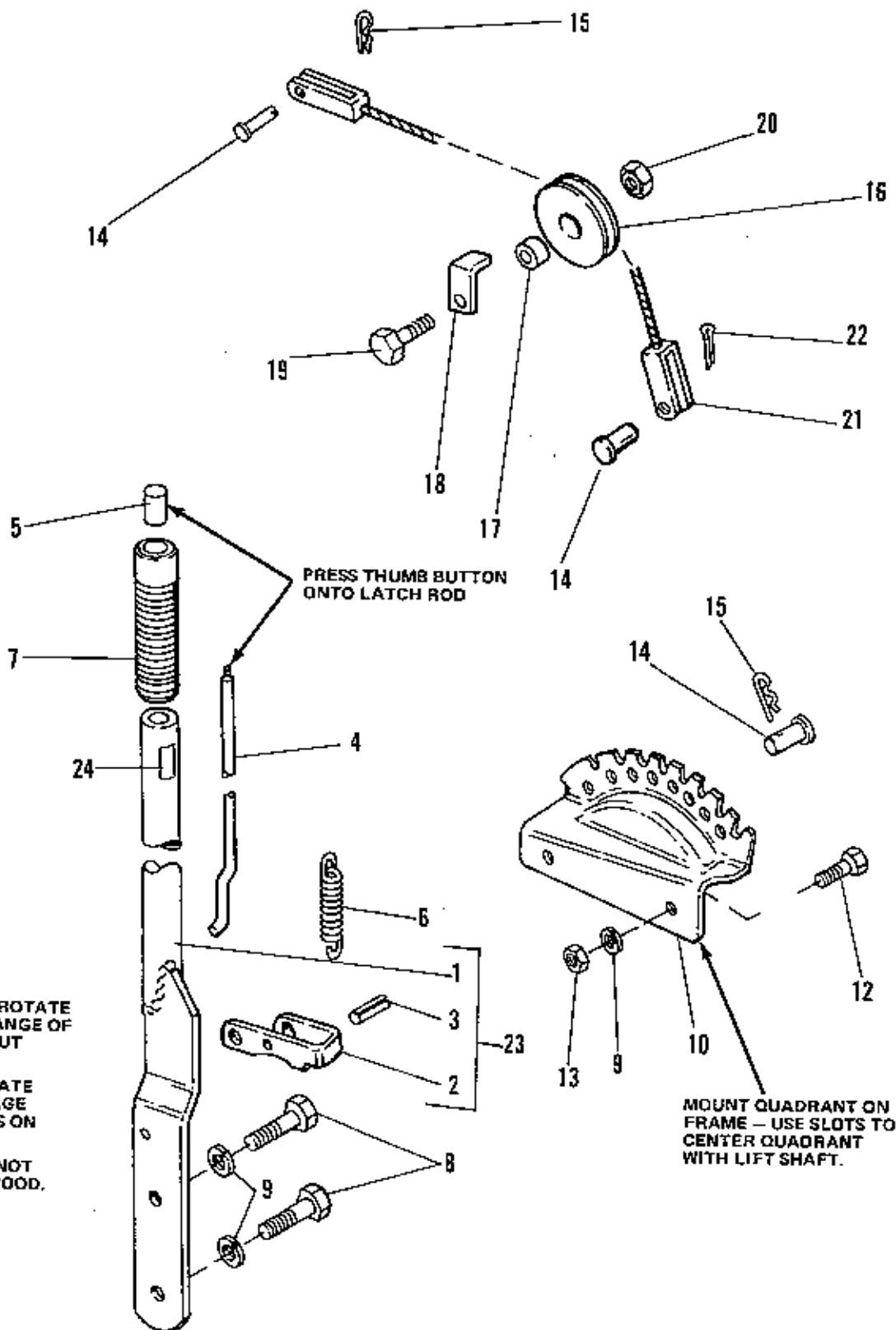
HANDLE ASSEMBLY MUST PIVOT FREELY AFTER NUT IS TIGHTENED



Ref. No.	Part No.	Qty.	Serial No.	Description
1	172038	1	{00000}-{ }	KNOB
2	174664	1	{00000}-{ }	HANDLE, Clutch P.T.O.
3	173991	1	{00000}-{ }	LEVER
4	930651	1	{00000}-{ }	LOCKNUT, Hex, 3/8-16
5	173988	1	{00000}-{ }	CONTROL ROD ASSEMBLY
6	174886	1	{00000}-{ }	CAPSCREW, Special
7	175316	1	{00000}-{ }	SPRING
8	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
9	173982	1	{00000}-{ }	PULLEY
10	923701	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 2
11	170291	1	{00000}-{ }	SPACER
12	172329	1	{00000}-{ }	SPACER
13	916965	2	{00000}-{ }	LOCKWASHER, 3/8
14	917642	3	{00000}-{ }	WASHER, 5/16
15	916950	2	{00000}-{ }	NUT, Hex, Full, 3/8-16
16	1657712	1	{00000}-{ }	PULLEY
17	157081	1	{00000}-{ }	SPACER
18	930647	1	{00000}-{ }	NUT, Pat
19	157262	1	{00000}-{ }	SPRING, Tension
20	164047	1	{00000}-{ }	ROD, Tension
21	164155	1	{00000}-{ }	HANDLE ASSEMBLY
22	924058	1	{00000}-{ }	LOCKNUT, Hex, 7/16-14
23	921332	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
24	923362	1	{00000}-{ }	LOCKNUT, Hex, 5/16-18
25	177522	1	{00000}-{ }	SWITCH, Interlock

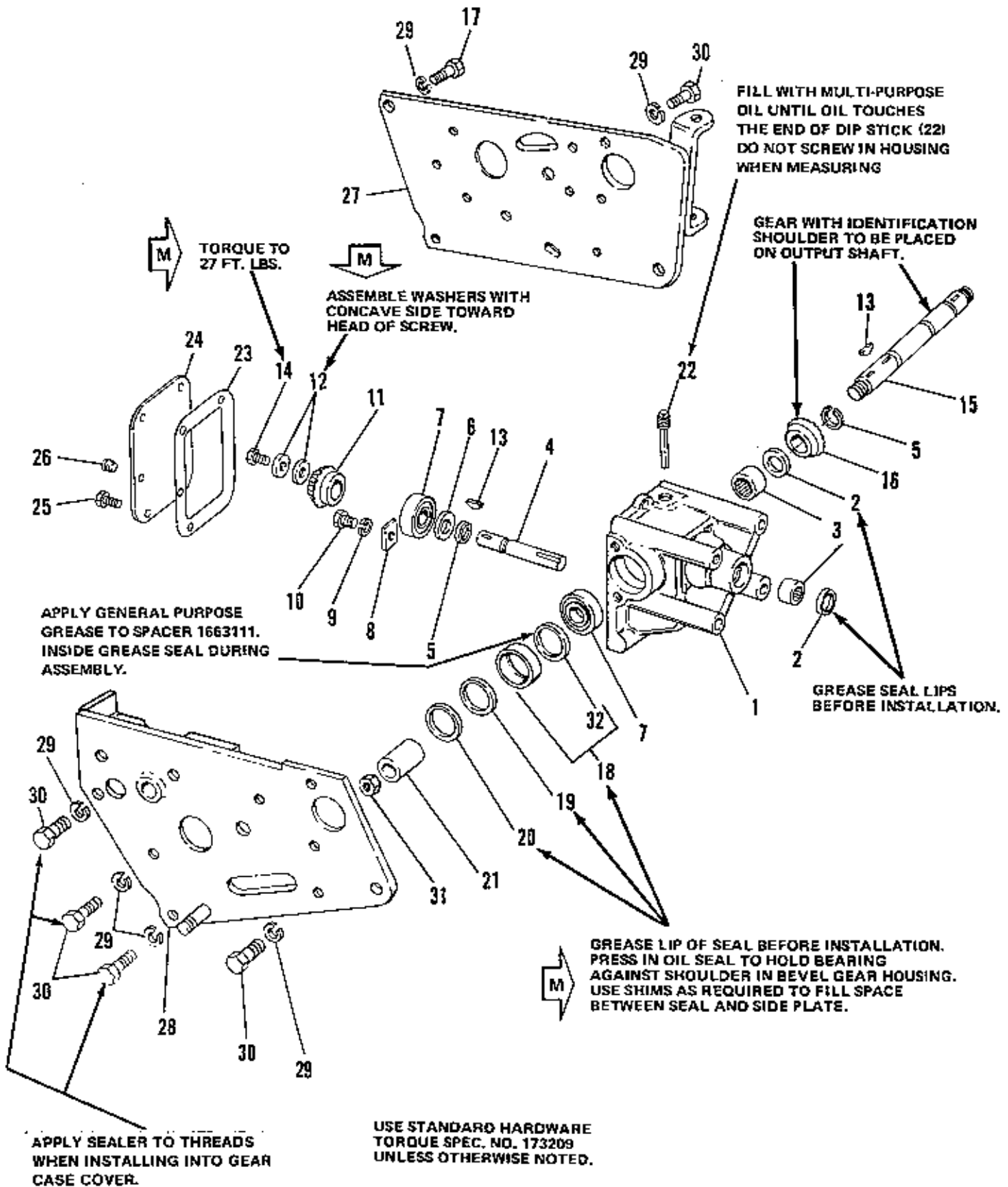


Ref. No.	Part No.	Qty.	Serial No.	Description
1	174882	1	{00000}-{ }	CLUTCH PLATE ASSEMBLY
2	1650304	1	{00000}-{ }	PULLEY
3	1650252	1	{00000}-{ }	GUIDE, Spring
4	1650264	1	{00000}-{ }	GUIDE, Spring
5	171772	1	{00000}-{ }	SPRING
6	173957	1	{00000}-{ }	DISC, Brake
7	920036	4	{00000}-{ }	CAPSCREW, Skt. Hd., 1/4-20 x 5/8
8	172206	2	{00000}-{ }	RING, Retaining
9	905850	1	{00000}-{ }	KEY
10	922133	1	{00000}-{ }	NUT, Hex, Lock, 3/4-16
11	1650254	1	{00000}-{ }	BEARING ASSEMBLY
12	171371	2	{00000}-{ }	SPACER
13	1651450	2	{00000}-{ }	SCREW, Thd. Forming
14	917356	2	{00000}-{ }	LOCKWASHER, 5/16
15	174455	1	{00000}-{ }	PIVOT ARM ASSEMBLY
16	157273	1	{00000}-{ }	STUD
17	918459	1	{00000}-{ }	PIN, Cotter, 3/16 x 1-1/2
18	1650906	1	{00000}-{ }	PIVOT ASSEMBLY

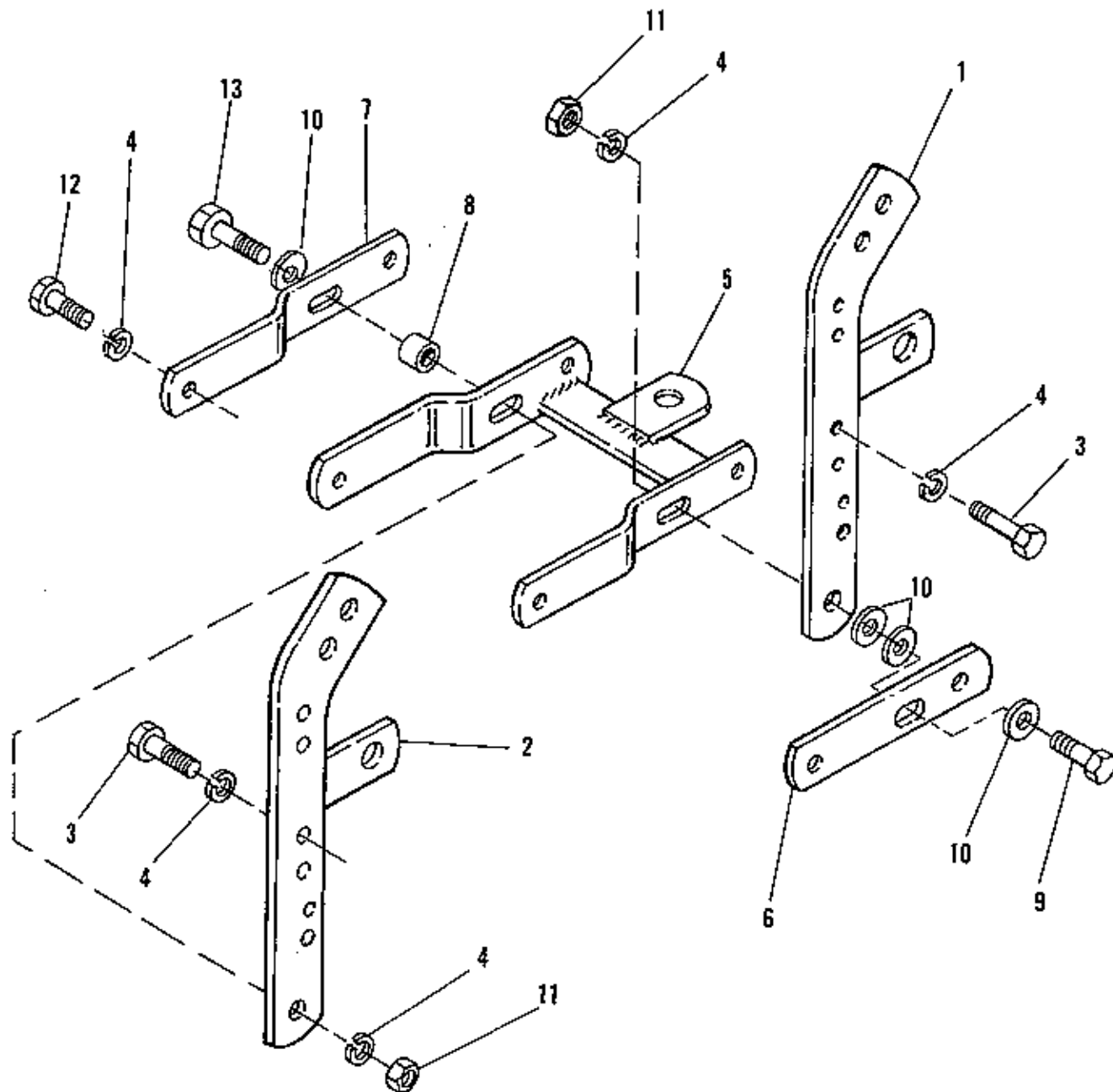


USE STD. HARDWARE TORQUE SPEC NO. 173209 UNLESS OTHERWISE NOTED

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1651389	1	{00000}-{ }	LIFT LEVER ASSEMBLY
2	173039	1	{00000}-{ }	LATCH, Lift Lever
3	918390	1	{00000}-{ }	PIN, Spring, 3/8 x 1-1/4
4	1651197	1	{00000}-{ }	ROD, Latch
5	1650157	1	{00000}-{ }	BUTTON
6	1650155	1	{00000}-{ }	SPRING
7	156209	1	{00000}-{ }	GRIP
8	923490	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
9	916965	4	{00000}-{ }	LOCKWASHER, 3/8
10	171599	1	{00000}-{ }	QUADRANT
11	917642	2	{00000}-{ }	WASHER, 5/16
12	908127	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 3/4
13	916950	2	{00000}-{ }	NUT, Hex, Full, 3/8-16
14	153058	3	{00000}-{ }	PIN
15	918196	2	{00000}-{ }	CLIP, Spring
16	172725	1	{00000}-{ }	PULLEY
17	157081	1	{00000}-{ }	SPACER
18	174723	1	{00000}-{ }	GUARD, Cable
19	108418	1	{00000}-{ }	SCREW, Special
20	928731	1	{00000}-{ }	LOCKNUT, Hex, Jam, 3/8-16
21	174085	1	{00000}-{ }	LIFT CABLE ASSY
22	918447	1	{00000}-{ }	PIN, Cotter, 3/32 x 7/8
23	1654152	1	{00000}-{ }	LIFT LEVER SUB ASSY (Includes Ref. No.'s 1, 2, & 3)
24	175216	1	{00000}-{ }	DECAL, Lift Lever



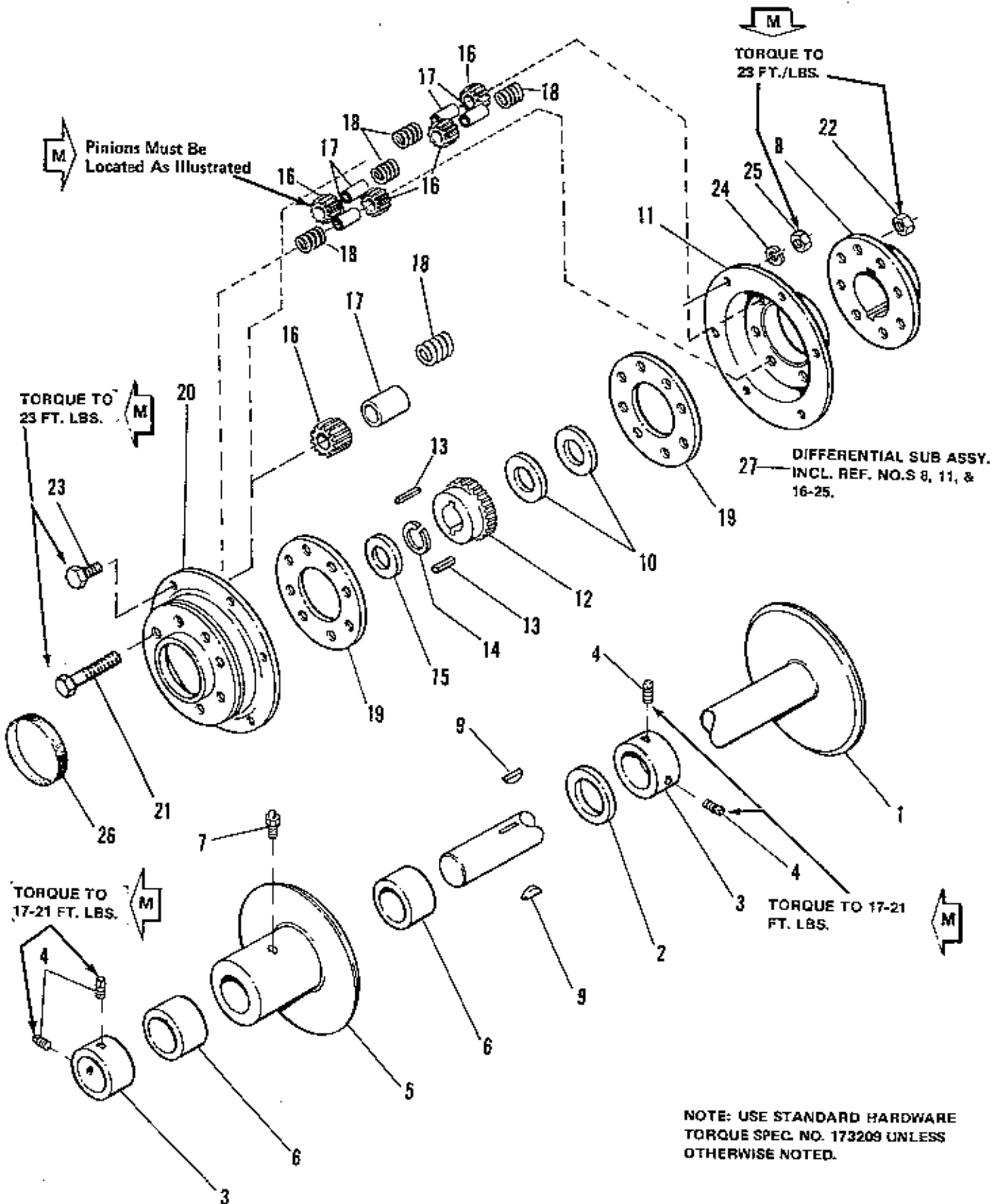
Ref. No.	Part No.	Qty.	Serial No.	Description
1	171797	1	(00000)-( )	HOUSING, Bevel Gear
2	118117	2	(00000)-( )	SEAL, Oil
3	154279	2	(00000)-( )	BEARING, Needle
4	172750	1	(00000)-( )	SHAFT, Driver
5	172206	2	(00000)-( )	RING, Retaining
6	172753	1	(00000)-( )	WASHER
7	172256	2	(00000)-( )	BEARING, Ball
8	154040	1	(00000)-( )	PLATE, Bearing Clamp
9	917356	1	(00000)-( )	LOCKWASHER, 5/16
10	925205	1	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 5/8
11	172752	1	(00000)-( )	GEAR, Bevel Driver
12	177649	2	(00000)-( )	WASHER
13	905123	2	(00000)-( )	KEY, Woodruff, No. 9
14	154281	1	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 3/4
15	1657178	1	(00000)-( )	SHAFT, Driven
16	171796	1	(00000)-( )	GEAR, Bevel Driven
17	920677	2	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
18	1685088	1	(00000)-( )	SEAL, Oil, Kit, (Replaces 171787)
19	171791	1	(00000)-( )	SHIM
20	171790	5	(00000)-( )	SHIM
21	171792	1	(00000)-( )	SPACER
22	178105	1	(00000)-( )	PLUG ASSY
23	154282	1	(00000)-( )	GASKET
24	178104	1	(00000)-( )	COVER
25	930526	6	(00000)-( )	CAPSCREW, Hex, 1/4-20 x 5/8
26	901652	1	(00000)-( )	PLUG, Pipe
27	174829	1	(00000)-( )	PLATE ASSY, Side, L.H.
28	173859	1	(00000)-( )	PLATE ASSY, Side, R.H.
29	918199	12	(00000)-( )	LOCKWASHER, 7/16
30	920676	10	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1
31	922133	1	(00000)-( )	LOCKNUT, Hex, Jam, 3/4-16
32	1863111	1	(00000)-( )	SPACER, Oil Seal



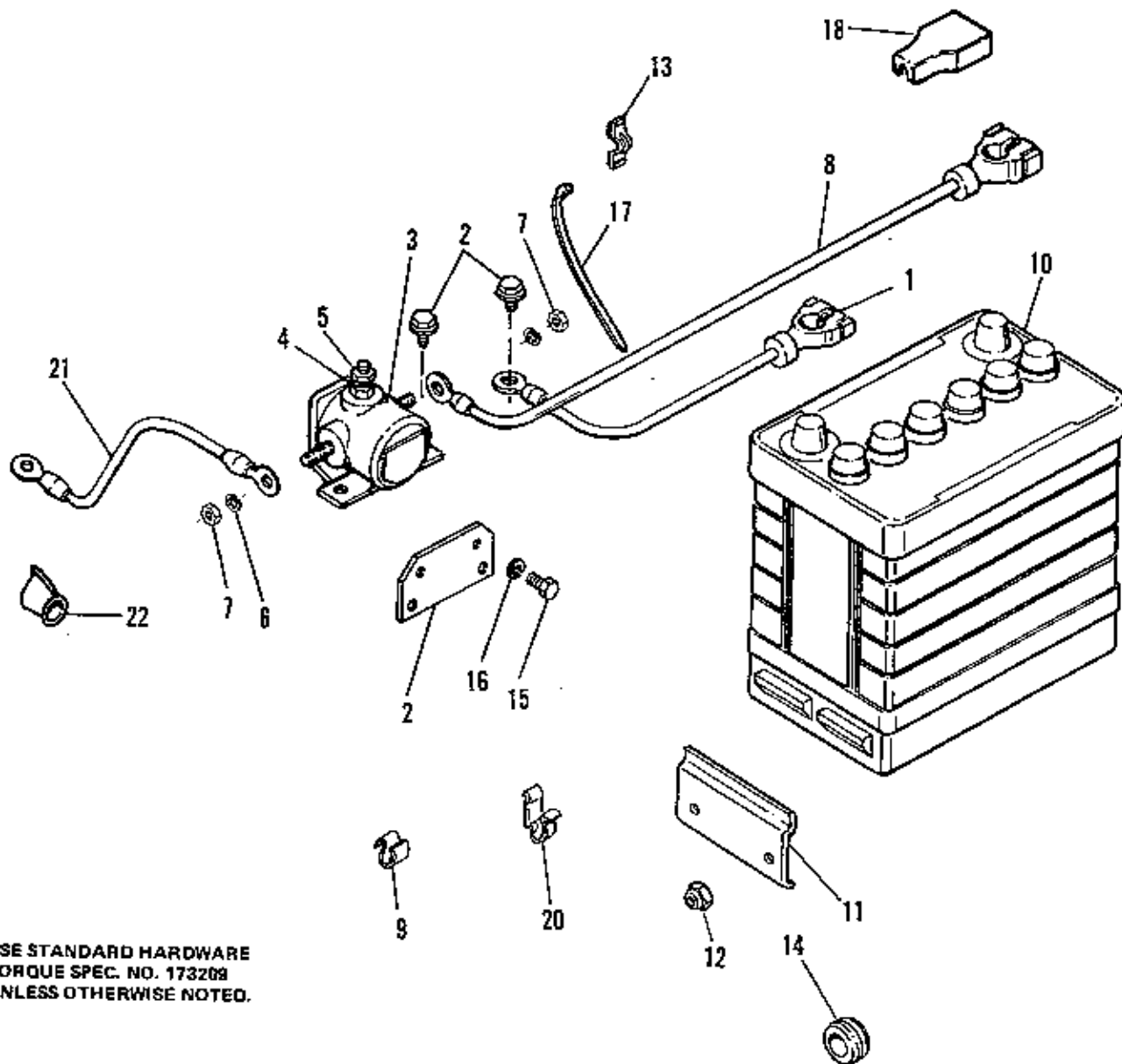
USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	164304	1	(00000)-( )	L.H. ARM ASSEMBLY
2	164284	1	(00000)-( )	R.H. ARM ASSEMBLY
3	920676	4	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1
4	918199	8	(00000)-( )	LOCKWASHER, 7/16
5	154202	1	(00000)-( )	DRAWBAR ASSEMBLY
6	157091	1	(00000)-( )	BAR, Pull, L.H.
7	154203	1	(00000)-( )	BAR, Draw, R.H.
8	1808759	1	(00000)-( )	SPACER
9	921212	1	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
10	918430	4	(00000)-( )	WASHER, 7/16
11	918213	2	(00000)-( )	NUT, Hex, 7/16-14
12	923027	1	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-3/4
13	926109	1	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 2-1/4

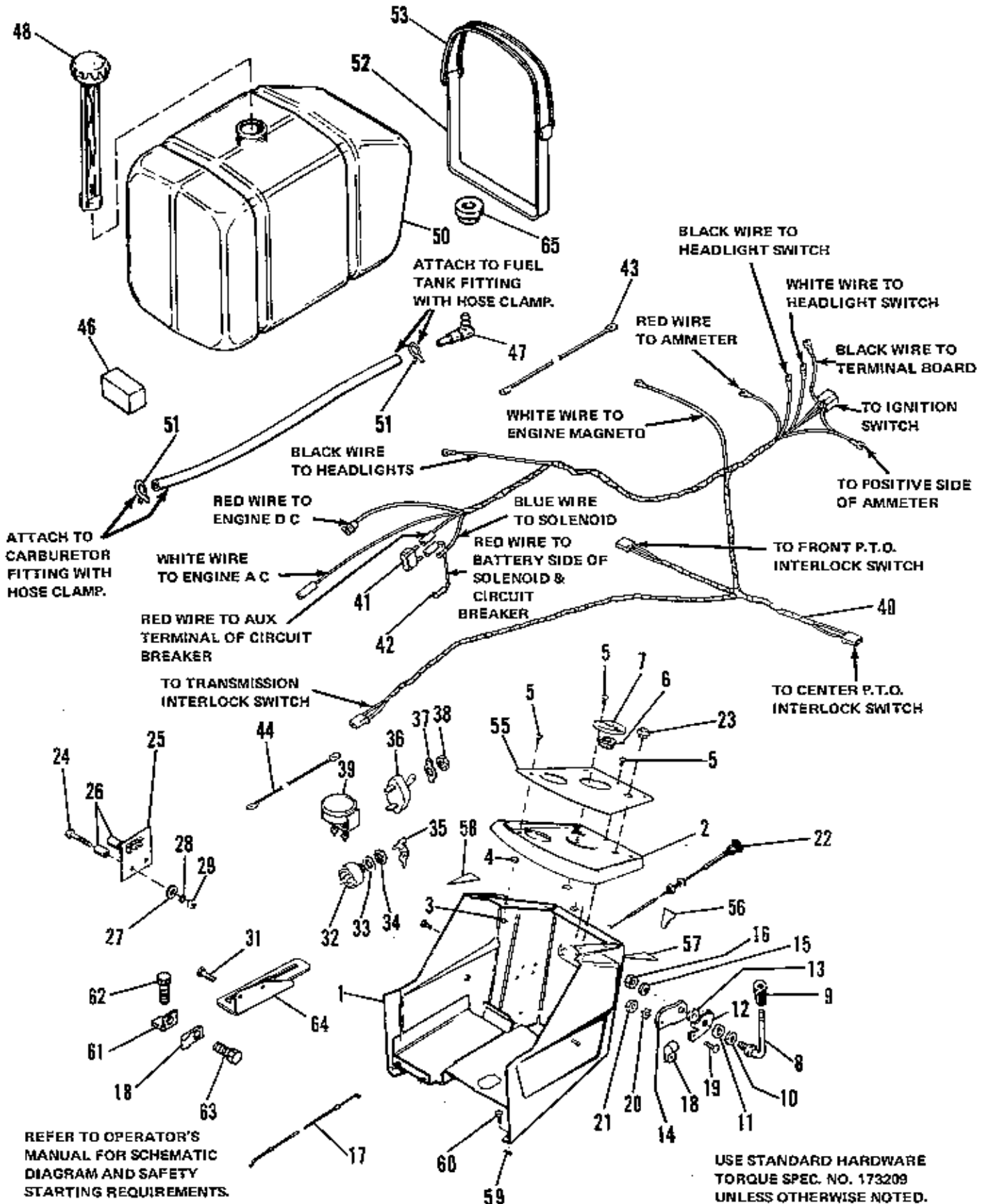


Ref. No.	Part No.	Qty.	Serial No.	Description
1	177900	1	(00000)-( )	REAR AXLE ASSEMBLY
2	105050	1	(00000)-( )	WASHER
3	154065	2	(00000)-( )	COLLAR, Set
4	928709	4	(00000)-( )	SETSCREW, Sq. Hd., 5/16-18 x 3/8
5	176945	1	(00000)-( )	R.H. WHEEL HUB ASSEMBLY
6	153068	2	(00000)-( )	BEARING
7	915019	1	(00000)-( )	FITTING, Grease
8	164217	1	(00000)-( )	CARRIER, Diff.
9	157120	2	(00000)-( )	KEY, Drive
10	171515	2	(00000)-( )	WASHER, Axle
11	171853	1	(00000)-( )	COVER, Diff.
12	177041	1	(00000)-( )	GEAR, Diff.
13	930671	2	(00000)-( )	KEY, Hi Pro, 1/4 x 3/4
14	154291	1	(00000)-( )	RING, Retaining
15	154277	1	(00000)-( )	WASHER, Axle
16	158579	8	(00000)-( )	PINION, Diff.
17	121083	8	(00000)-( )	SPINDLE, Diff. Pinion
18	162085	8	(00000)-( )	SPRING
19	171517	2	(00000)-( )	RING, Spacer
20	171854	1	(00000)-( )	COVER, Diff.
21	921972	8	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
22	930851	8	(00000)-( )	NUT, Hex, Center Lock, 3/8-16
23	921959	6	(00000)-( )	CAPSCREW, Hex, 1/4-20 x 5/8
24	916964	6	(00000)-( )	LOCKWASHER, 1/4
25	916622	6	(00000)-( )	NUT, Hex, 1/4-14
26	121190	1	(00000)-( )	SEAL, Cover
27	1650519	1	(00000)-( )	DIFFERENTIAL SUB ASSY (Includes Ref. No.'s 8, 11, 16 - 25)



USE STANDARD HARDWARE  
 TORQUE SPEC. NO. 173209  
 UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171811	1	{00000}-{	CABLE, Battery to Ground
2	1663287	1	{00000}-{	BRACKET
3	122216	1	{00000}-{	SOLENOID
4	922711	1	{00000}-{	LOCKWASHER, No. 10
5	917415	1	{00000}-{	NUT, Hex, No. 10-32
6	917356	2	{00000}-{	LOCKWASHER, 5/16
7	917372	2	{00000}-{	NUT, Hex, 5/16-18
8	1663316	1	{00000}-{	CABLE, Battery to Solenoid
9	172434	2	{00000}-{	CLIP, Tinnerman
10	1686058	1	{00000}-{	BATTERY
11	171225	1	{00000}-{	CLAMP
12	924433	2	{00000}-{	NUT, Elastic, 5/16-18
13	176912	1	{00000}-{	CLIP, Wire
14	172175	1	{00000}-{	GROMMET
15	921958	2	{00000}-{	CAPSCREW, Hex Hd., 1/4-20 x 1/2
16	916964	2	{00000}-{	LOCKWASHER, 1/4
17	923747	1	{00000}-{	TIE, Wrap
18	1657339	1	{00000}-{	TERMINAL PROTECTOR
19	925003	2	{00000}-{	SCREW, Taptite, 1/4-20 x 1/2
20	172436	2	{00000}-{	CLIP, Tinnerman
21	1603195	1	{00000}-{	CABLE, Solenoid to Start
22	122203	2	{00000}-{	COVER, Terminal

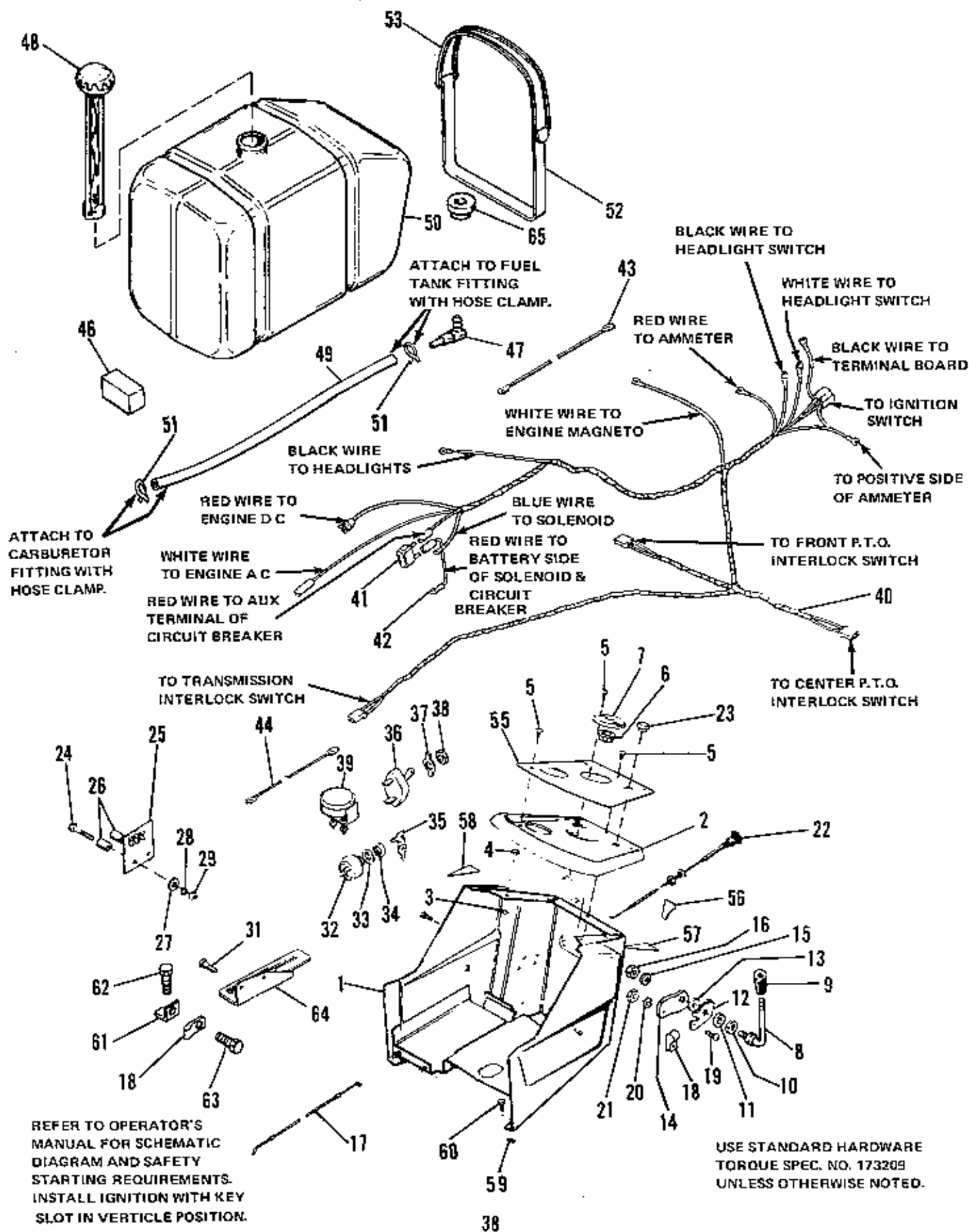


REFER TO OPERATOR'S MANUAL FOR SCHEMATIC DIAGRAM AND SAFETY STARTING REQUIREMENTS. INSTALL IGNITION WITH KEY SLOT IN VERTICAL POSITION.

USE STANDARD HARDWARE TORQUE SPEC. NO. 173209 UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1665229	1	{00000}-{ }	DASH ASSEMBLY
2	1651000	1	{00000}-{ }	PANEL, Instrument
3	917867	6	{00000}-{ }	NUT, Retainer, Tinn.
4	916955	4	{00000}-{ }	WASHER, Plain, 3/16
5	926025	6	{00000}-{ }	SCREW, Mach. Rd. Hd., 1/4-20 x 1/2
6	157077	1	{00000}-{ }	BUSHING
7	172008	1	{00000}-{ }	PLATE STEERING, Adj.
8	1651170	1	{00000}-{ }	HANDLE, Clutch Control
9	172038	1	{00000}-{ }	KNOB, Tapered
10	101025	1	{00000}-{ }	WASHER
11	158116	1	{00000}-{ }	WASHER
12	171848	1	{00000}-{ }	STOP, Throttle Kit (inc. ref. 10,11)
13	159107	1	{00000}-{ }	WASHER
14	158424	1	{00000}-{ }	ARM, Throttle
15	930685	1	{00000}-{ }	LOCKWASHER, Dished Shakeproof, 3/8
16	923428	1	{00000}-{ }	LOCKNUT, Hex, 3/8-16
17	171355	1	{00000}-{ }	CONTROL, Throttle
18	158475	2	{00000}-{ }	CLIP, Bowden Wire
19	917452	1	{00000}-{ }	SCREW, Rd. Hd., No. 10-32 x 1/2
20	922711	1	{00000}-{ }	LOCKWASHER, External, No. 10
21	917415	1	{00000}-{ }	NUT, Mach. Hex, No. 10-32
22	1650997	1	{00000}-{ }	CONTROL, Choke
23	177447	2	{00000}-{ }	PLUG, Button
24	908297	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
25	1651128	1	{00000}-{ }	BOARD, Terminal
26	106132	2	{00000}-{ }	SPACER
27	917377	2	{00000}-{ }	WASHER, Flat, 1/4
28	921880	3	{00000}-{ }	LOCKWASHER, Shakerproof, 1/4
29	916622	3	{00000}-{ }	NUT, Hex, 1/4-20

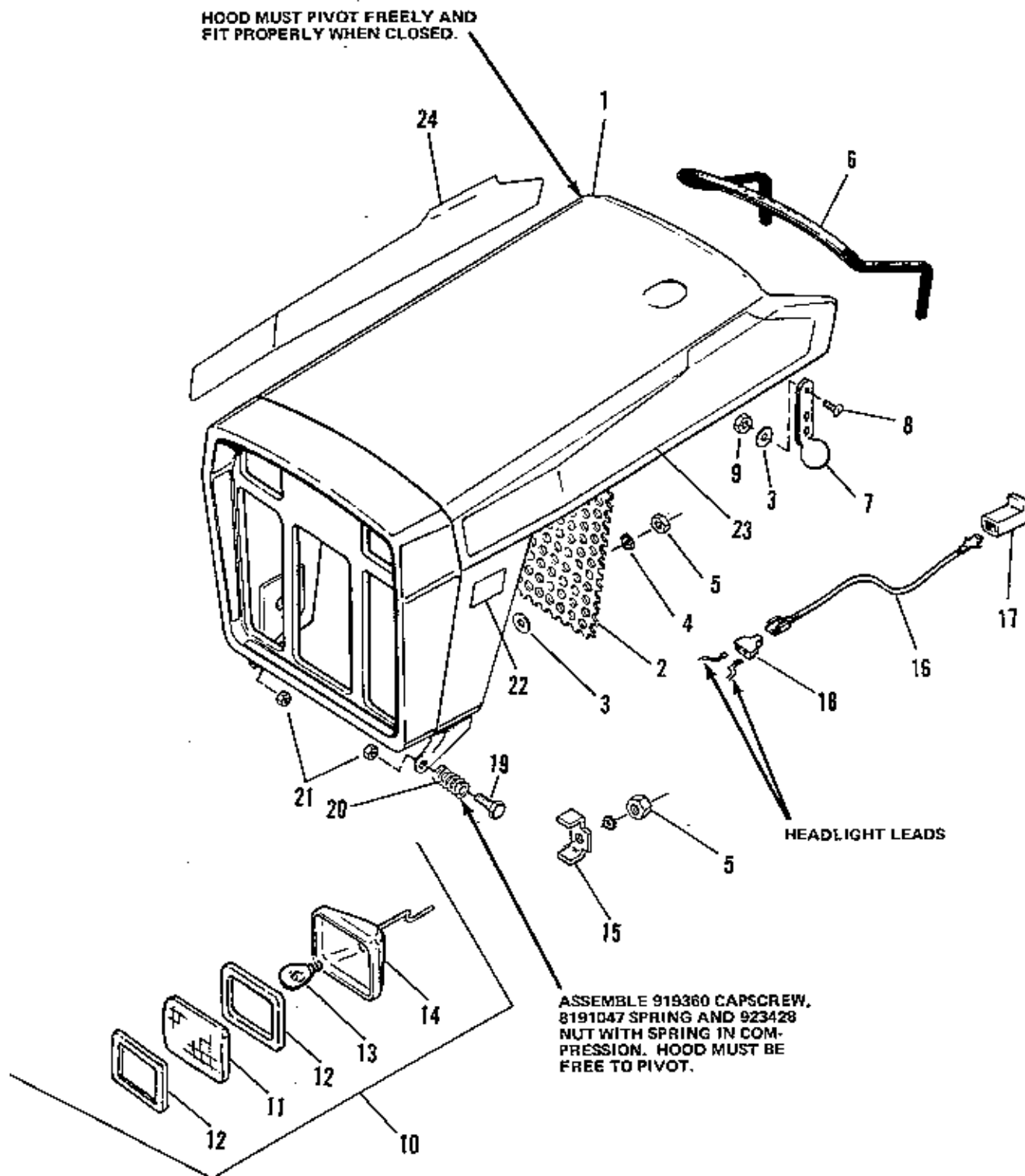
NOTE: Parts Ref. No. 31-65 Continued on the following page.



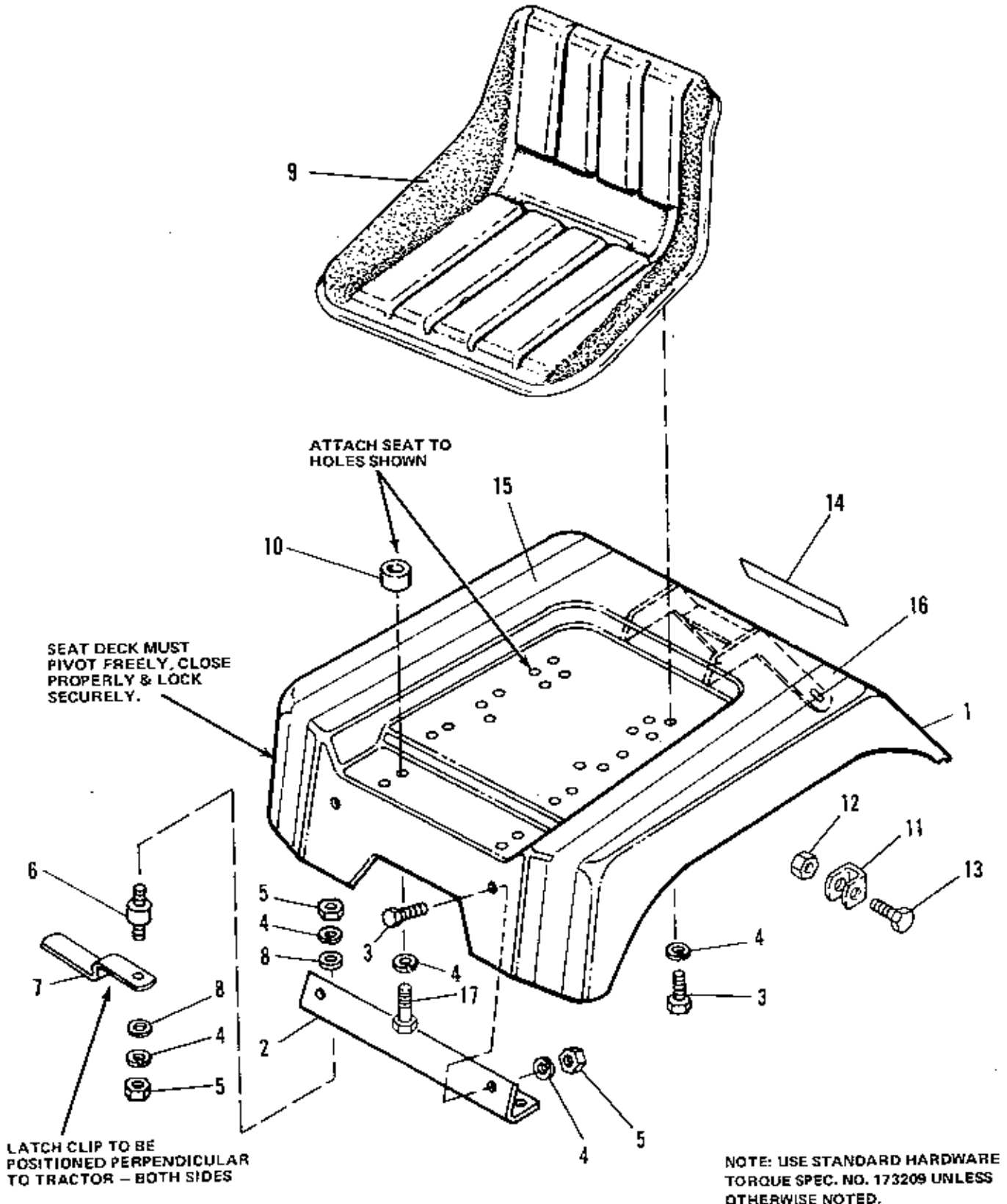


Ref. No.	Part No.	Qty.	Serial No.	Description
31	931648	2	{00000}-{ }	SCREW, Special
32	178280	1	{00000}-{ }	SWITCH, Ignition
33	918906	1	{00000}-{ }	LOCKWASHER, Internal, 5/8
34	122234	1	{00000}-{ }	NUT, Hex Special
35	122203	1	{00000}-{ }	KEY & RING ASSEMBLY
36	122184	1	{00000}-{ }	SWITCH, Toggle
37		1	{00000}-{ }	PLATE
38		1	{00000}-{ }	NUT
39	1603189	1	{00000}-{ }	AMMETER
40	1663253	1	{00000}—{02550}	HARNESS ASSEMBLY
	1665237	1	{02551}-{ }	HARNESS ASSEMBLY
41	172163	1	{00000}-{ }	CIRCUIT BREAKER
42	1651031	1	{00000}-{ }	WIRE ASSEMBLY
43	1651147	1	{00000}-{ }	WIRE ASSEMBLY
44	172296	1	{00000}-{ }	WIRE ASSEMBLY, Light Switch
46	173335	1	{00000}-{ }	PAD, Fuel Tank
47	1664460	1	{00000}-{ }	FITTING, Gas Tank
48	171252	1	{00000}-{ }	CAP, Fuel Tank
49	1664516	1	{00000}-{ }	HOSE, Fuel
50	1664517	1	{00000}-{ }	TANK ASSY, Fuel, Inc. Ref. No's 47, 49, 65 & 51
51	154372	2	{00000}-{ }	CLAMP, Hose
52	171330	2	{00000}-{ }	STRAP, Tank
53	172744	2	{00000}-{ }	STRAP, Fuel Tank
55	1651101	1	{00000}-{ }	DECAL, Instrument Panel
56	1657090	1	{00000}-{ }	DECAL, Ignition
57	1664244	1	{00000}-{ }	DECAL, Throttle Control
58	1657148	1	{00000}-{ }	DECAL, Shuttle Control
59	928703	7	{00000}-{ }	NUT, Speed, Tinn.
60	930561	10	{00000}-{ }	SCREW, Hex Hd. Thd. Forming, No. 14 x 3/4
61	1666453	1	{00000}-{ }	BRACKET, Cable
62	925391	1	{00000}-{ }	SCREW, Hex Hd., 1/4-20 x 5/8
63	929477	1	{00000}-{ }	SCREW, Tapite, No. 10-24 x 1/2
64	174473	1	{00000}-{ }	QUADRANT
65	1654930	1	{00000}-{ }	BUSHING
66	932771	1	{00000}-{ }	CLIP, Cable

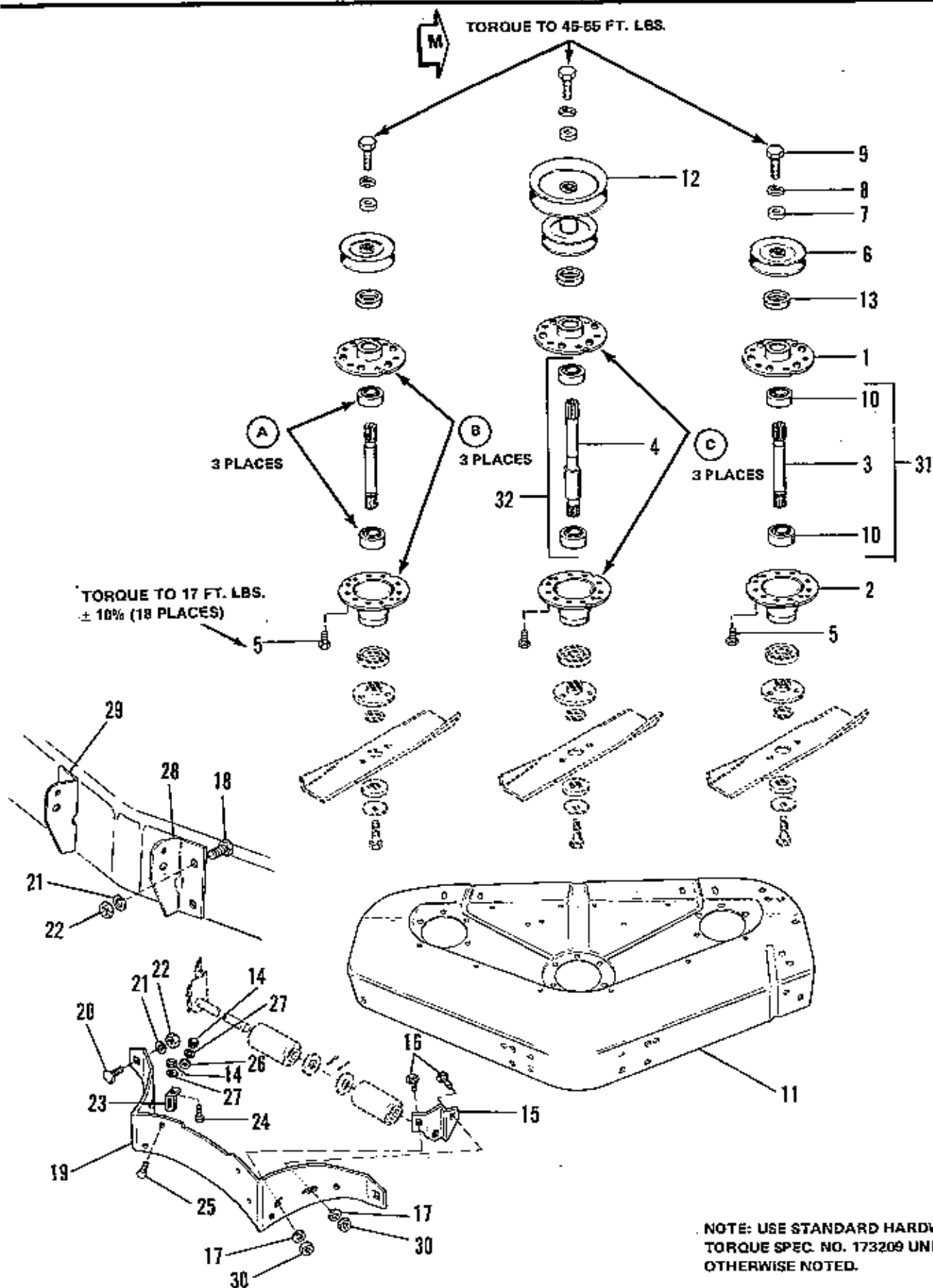
NOTE: Parts Ref. No. 1-30 found on preceding page.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656400	1	(00000)-( )	HOOD & GRILLE ASSEMBLY
2	1656587	1	(00000)-( )	SCREEN, Grille
3	171804	6	(00000)-( )	WASHER, Special
4	922711	8	(00000)-( )	LOCKWASHER, Ext. Tooth, No. 10
5	916521	8	(00000)-( )	NUT, Hex, Mach., No. 10-24
6	172935	1	(00000)-( )	MOULDING, Hood
7	171800	2	(00000)-( )	STRAP, Hood
8	930531	2	(00000)-( )	SCREW, Truss Hd., No. 10-32 x 1/2
9	930627	2	(00000)-( )	LOCKNUT, Hex, No. 10-32
10	1656935	2	(00000)-( )	LIGHT ASSY
11	1656933	1	(00000)-( )	LENS
12	1654662	2	(00000)-( )	GASKET
13		1	(00000)-( )	BULB, No. 1293
14	1654664	1	(00000)-( )	SOCKET
15	1656881	4	(00000)-( )	CLIP
16	1657047	1	(00000)-( )	WIRE ASSY
17	172100	1	(00000)-( )	BODY, Connector
18	122182	1	(00000)-( )	CONNECTOR, Insulated
19	921969	2	(00000)-( )	CAPSCREW, Hex, Hd., 3/8-16 x 1-1/2
20	8191047	2	(00000)-( )	SPRING
21	930651	2	(00000)-( )	NUT, Hex, Center Lock, 3/8-16
22	1662388	2	(00000)-( )	DECAL, 7014 Shuttle
23	1657115	1	(00000)-( )	DECAL, Hood, Baron, L.H.
24	1657114	1	(00000)-( )	DECAL, Hood, Baron, R.H.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	166111	1	{00000}-( )	SEAT, Deck
2	164029	1	{00000}-( )	BRACKET, Frt. Seat Deck
3	925205	4	{00000}-( )	CAPSCREW, 5/16-18 x 5/8
4	917356	10	{00000}-( )	LOCKWASHER, 5/16
5	917372	6	{00000}-( )	NUT, Hex, Full, 5/16-18
6	167094	2	{00000}-( )	CONNECTOR, Cushion
7	1606823	2	{00000}-( )	CLIP
8	917377	4	{00000}-( )	WASHER, 1/4
9	1657309	1	{00000}-( )	SEAT
10	106132	1	{00000}-( )	SPACER
11	1607870	1	{00000}-( )	STOP, Seat Deck
12	930651	2	{00000}-( )	LOCKNUT, Hex, 3/8-16
13	920415	2	{00000}-( )	CAPSCREW, Hex, 3/8-16 x 1-1/4
14	163166	1	{00000}-( )	DECAL, Simplicity
15	1657282	1	{00000}-( )	DECAL, Stripe, R.H.
16	1657283	1	{00000}-( )	DECAL, Stripe, L.H.
17	921977	1	{00000}-( )	CAPSCREW, Hex Hd., 5/16-18 x 1 1/4

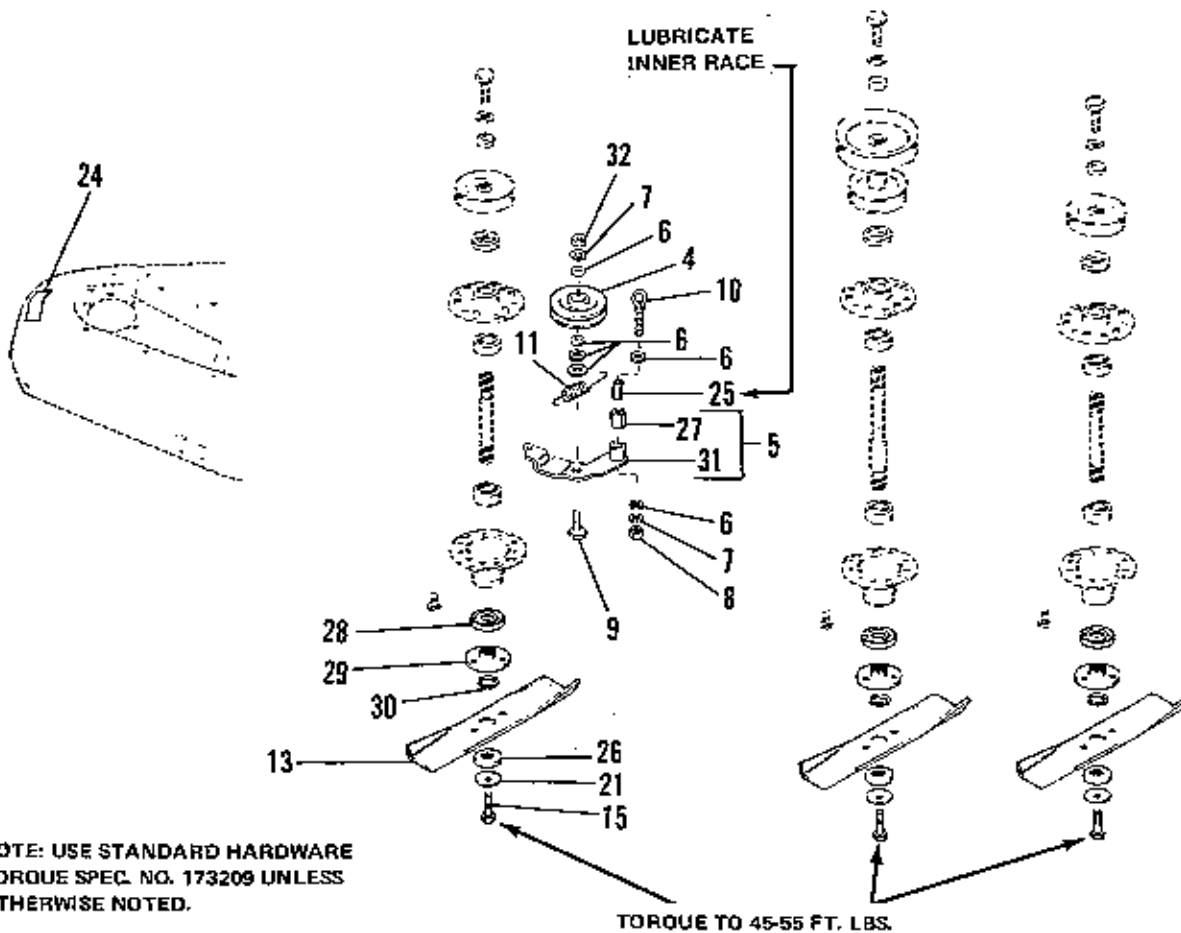
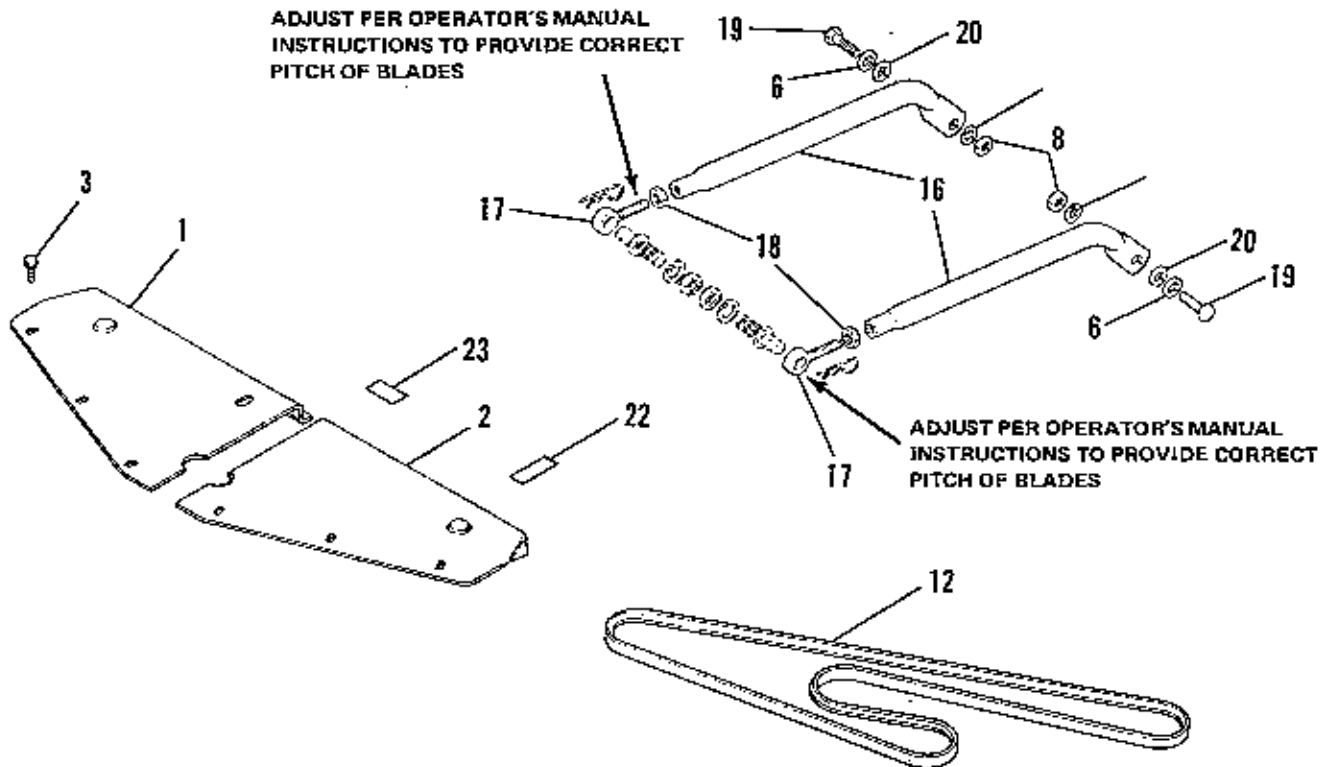


Ref. No.	Part No.	Qty.	Serial No.	Description
1	1655729	3	(00000)-( )	HOUSING, Top
2	1655728	3	(00000)-( )	HOUSING, Bottom
3	1655751	2	(00000)-( )	SHAFT, Arbor
4	1655913	1	(00000)-( )	SHAFT, Arbor, Center
5	1669947	18	(00000)-( )	SCREW, Hex Whsr. Hd., 5/16 x 5/8
6	1655867	2	(00000)-( )	PULLEY ASSY, Deck Drive
7	933263	3	(00000)-( )	WASHER
8	918199	3	(00000)-( )	LOCKWASHER, 7/16
9	920677	3	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1 1/4
10	108202	6	(00000)-( )	BEARING
11	1656942	1	(00000)-( )	HOUSING, 42"
12	1656929	1	(00000)-( )	PULLEY ASSY
13	1657969	3	(00000)-( )	SHIELD, Bearing Upper
14	916622	4	(00000)-( )	NUT, Hex, Full, 1/4-20
15	108224	1	(00000)-( )	BRACKET, Roller, L.H.
16	920562	2	(00000)-( )	BOLT, Carriage, 5/16-18 x 3/4
17	917355	2	(00000)-( )	LOCKWASHER, 5/16
18	921965	4	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 3/4
19	108361	1	(00000)-( )	BAFFLE
20	922110	2	(00000)-( )	BOLT, Carriage, 3/8-16 x 3/4
21	916965	6	(00000)-( )	LOCKWASHER, 3/8
22	916950	6	(00000)-( )	NUT, Hex, Full, 3/8-16
23	108186	2	(00000)-( )	CLIP, Baffle
24	922125	2	(00000)-( )	SCREW, Thd. Cutting, 1/4-20 x 7/8
25	921959	2	(00000)-( )	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	917377	2	(00000)-( )	WASHER, Plain, 1/4
27	916964	4	(00000)-( )	LOCKWASHER, 1/4
28	1651499	1	(00000)-( )	BRACKET, L.H.
29	1651500	1	(00000)-( )	BRACKET, R.H.
30	917372	2	(00000)-( )	NUT, Hex, Full, 5/16-18
31	1663338	2	(00000)-( )	SHAFT & BEARING ASSY
32	1663337	1	(00000)-( )	SHAFT & BEARING ASSY, Center

### ASSEMBLY PROCEDURES

#### 42" Mower (Housing & Arbor Group)

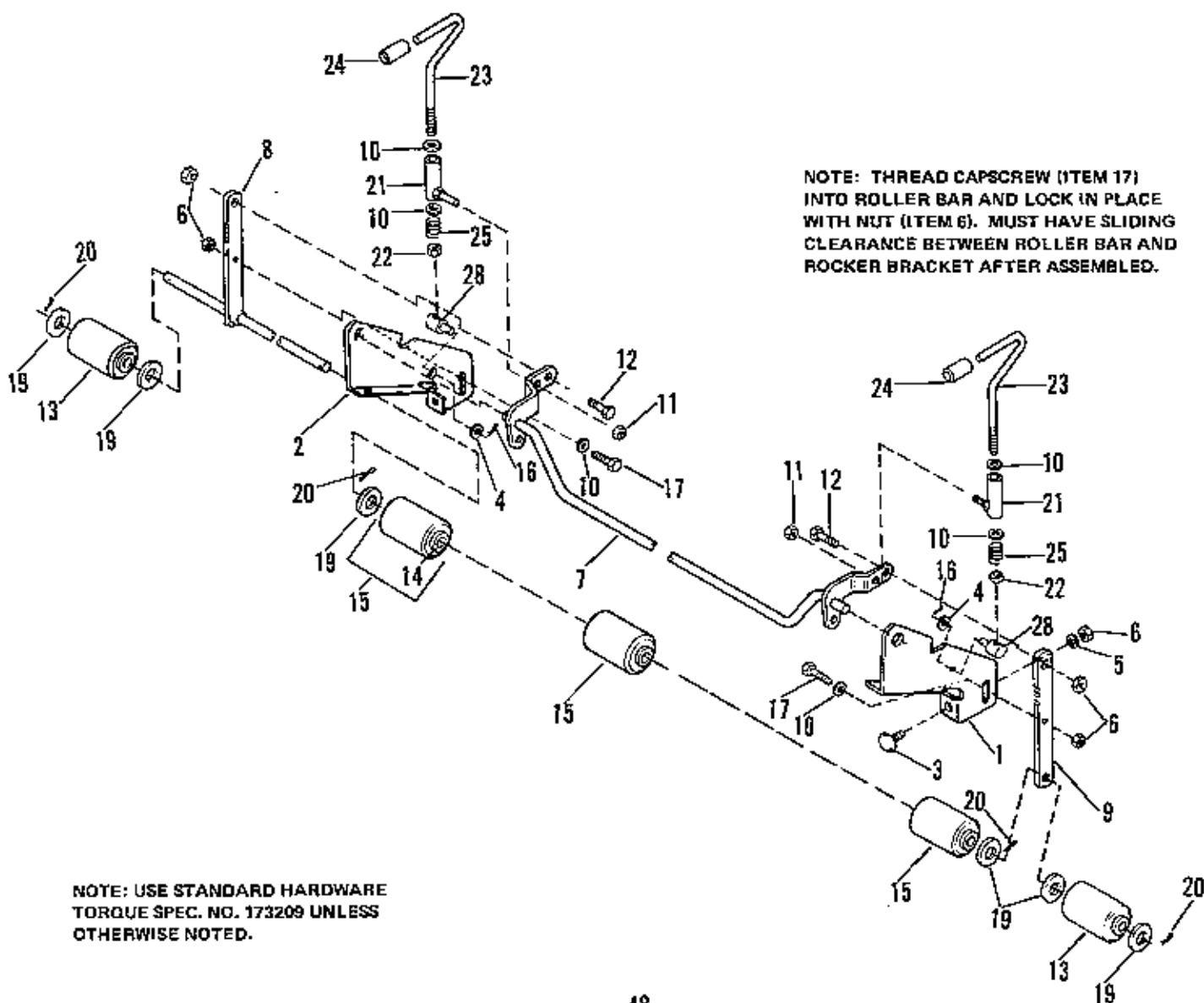
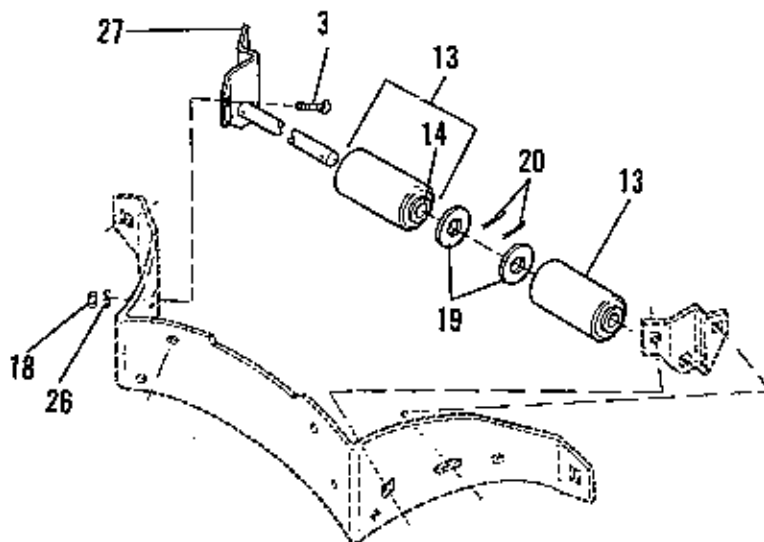
- A. Press (2) bearings (item 10) with hand riding seal facing up over shafts (items 3 & 4) using pressure only on the inner race of the bearing.
- B. Assemble upper and lower arbor housings (items 1 & 2) over bearings. Must be careful that housings do not cock on bearings. When upper and lower housing flanges come together proper alignment of holes in housing flanges are accomplished by aligning knockouts in lower housing flange with mating holes in upper housing flange. Also half holes in outer edge must match.
- C. Seal between flanges of upper arbor housing and lower arbor housing with 1651180 gasket eliminator. Remove contaminants such as grease, heavy oils and dirt from flange surfaces before assembly. Avoid lateral movement between flange surfaces during assembly.



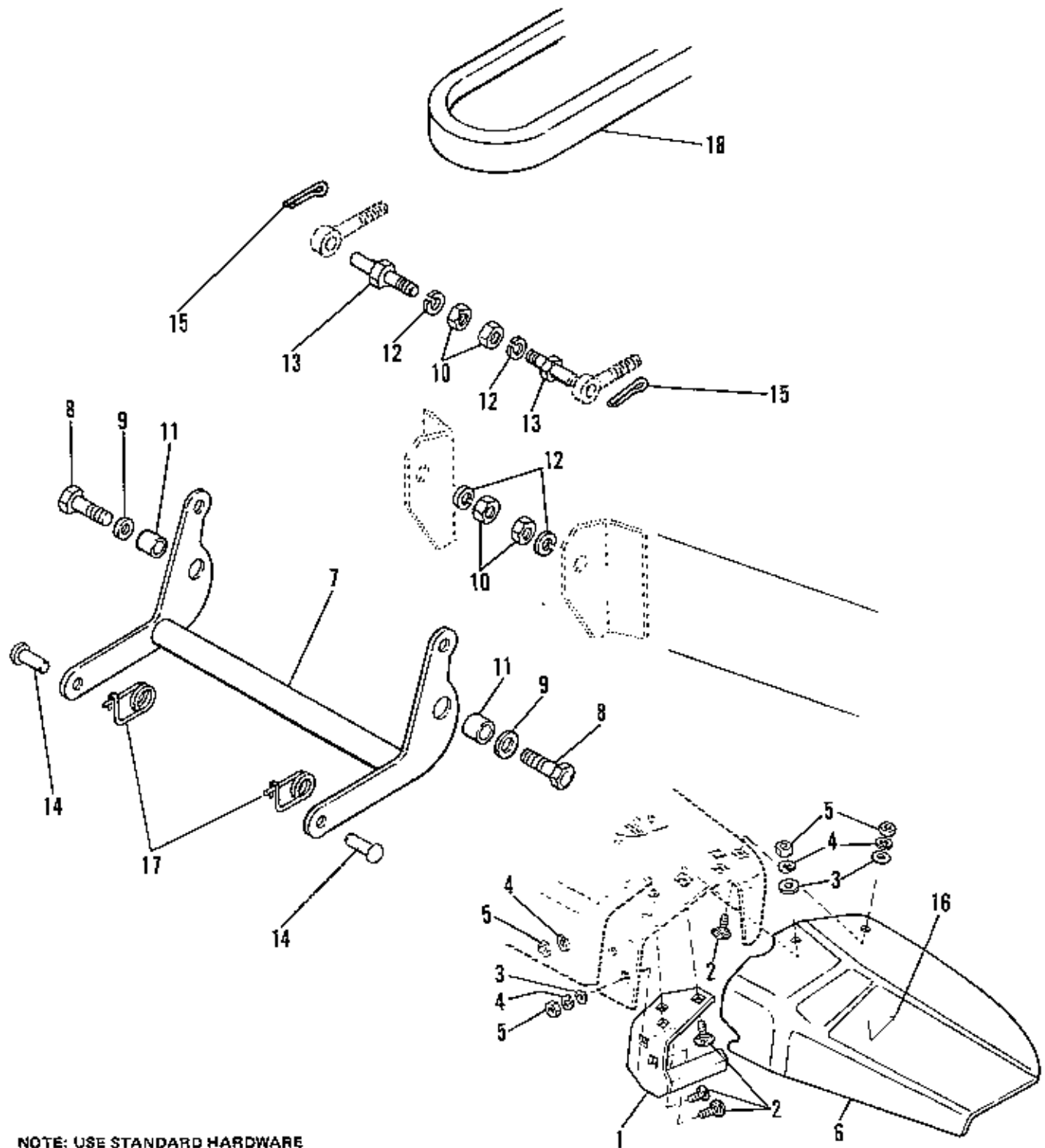
NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656953	1	{00000}-{ }	COVER, R.H.
2	1656954	1	{00000}-{ }	COVER, L.H.
3	929000	10	{00000}-{ }	SCREW, Hex, Teptite, 1/4-20 x 3/8
4	164268	1	{00000}-{ }	PULLEY, Idler
5	1657684	1	{00000}-{ }	LEVER ASSY, Idler (w/Bushings)
6	917642	8	{00000}-{ }	WASHER, Plain, 5/16
7	916965	4	{00000}-{ }	LOCKWASHER, 3/8
8	916950	3	{00000}-{ }	NUT, Hex, Full, 3/8-16
9	108418	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
10	171815	1	{00000}-{ }	EYEBOLT
11	1656936	1	{00000}-{ }	SPRING
12	1656960	1	{00000}-{ }	BELT, V, Arbor Drive
13	1656144	3	{00000}-{ }	BLADE, 42" Mower
14	916966	2	{00000}-{ }	LOCKWASHER, 1/2
15	920676	3	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 1
16	1651520	2	{00000}-{ }	ARM, Adjusting
17	157215	2	{00000}-{ }	EYEBOLT
18	919262	2	{00000}-{ }	NUT, Hex, Jam, 1/2-20
19	907731	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
20	108717	2	{00000}-{ }	SPACER
21	1656916	3	{00000}-{ }	WASHER, Spring
22	1656857	1	{00000}-{ }	DECAL, Danger
23	174845	1	{00000}-{ }	DECAL, Belt Installation
24	1656856	1	{00000}-{ }	DECAL, Danger
25	8171073	1	{00000}-{ }	RACE, Inner
26	1656927	3	{00000}-{ }	WASHER, Spline
27	1657682	1	{00000}-{ }	BUSHING
28	1657588	3	{00000}-{ }	SHIELD, Grass
29	1655777	3	{00000}-{ }	ADAPTOR, Blade
30	1657528	3	{00000}-{ }	RING, Self Locking
31	1656962	1	{00000}-{ }	LEVER ASSY, Idler
32	917421	1	{00000}-{ }	NUT, Hex, Jam, 3/8-16

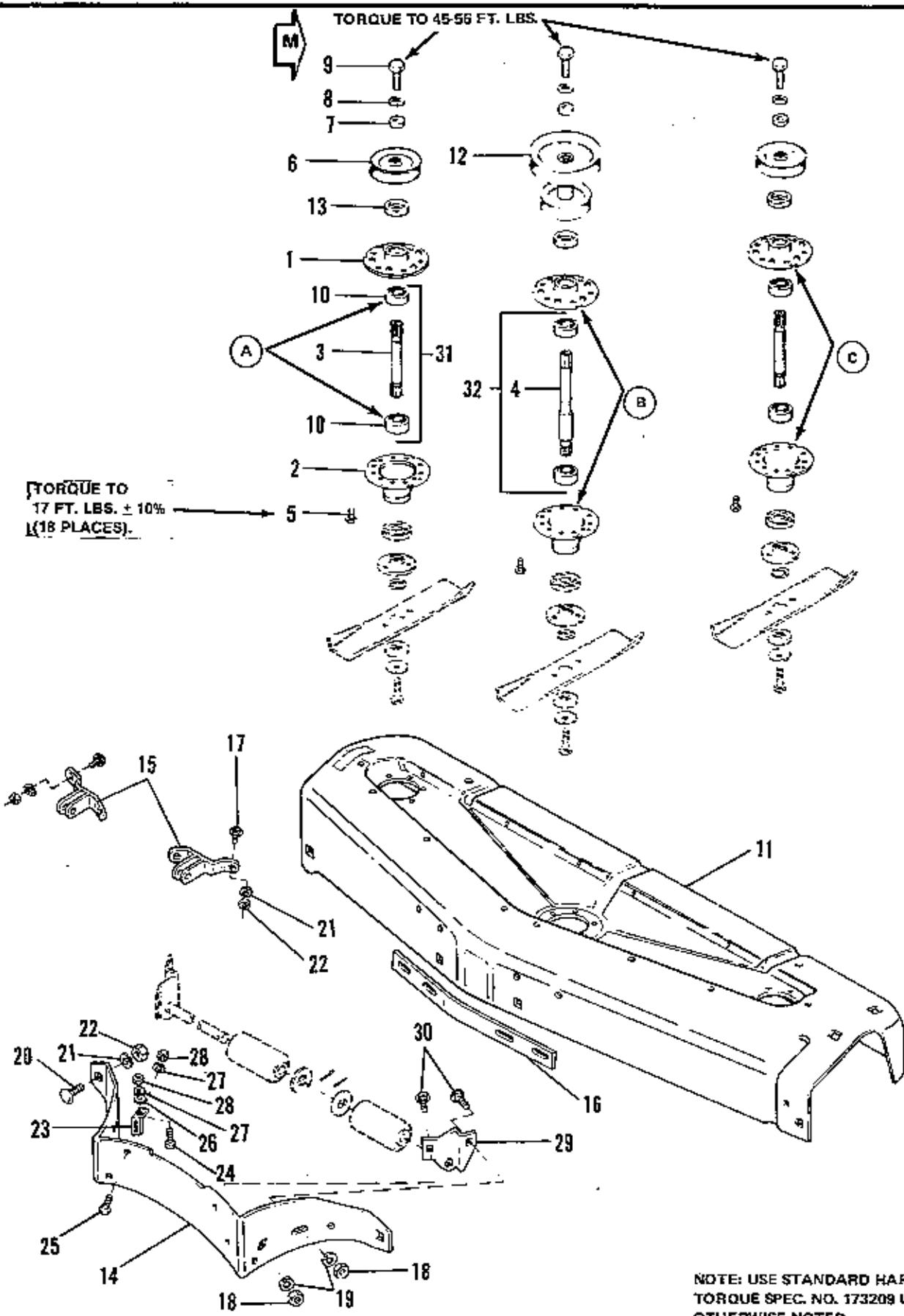


Ref. No.	Part No.	Qty.	Serial No.	Description
1	172044	1	{00000}-{ }	BRACKET, Roller, L.H.
2	172045	1	{00000}-{ }	BRACKET, Roller, R.H.
3	920562	6	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
4	924940	2	{00000}-{ }	WASHER, Plain, 5/16
5	916965	4	{00000}-{ }	LOCKWASHER, 3/8
6	916950	8	{00000}-{ }	NUT, Hex, Full, 3/8-16
7	1651514	1	{00000}-{ }	ROCKER ARM ASSY
8	1657894	1	{00000}-{ }	SHAFT ASSY, Roller
9	1657893	1	{00000}-{ }	BAR, Roller
10	917378	6	{00000}-{ }	WASHER, Plain, 3/8
11	930651	2	{00000}-{ }	NUT, Hex, Full Lock, 3/8-16
12	907731	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
13	108431	4	{00000}-{ }	ROLLER ASSY
14	108419	14	{00000}-{ }	BUSHING
15	108432	3	{00000}-{ }	ROLLER ASSY
16	922000	2	{00000}-{ }	PIN, Cotter, 3/32 x 5/8
17	925204	2	{00000}-{ }	CAPSCREW, Hex hd., 3/8-16 x 1
18	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
19	919387	8	{00000}-{ }	WASHER, Plain, 5/8
20	918458	6	{00000}-{ }	PIN, Cotter, 3/16 x 1
21	108241	2	{00000}-{ }	SOCKET ASSY
22	917421	2	{00000}-{ }	NUT, Hex, Jam, 3/8-16
23	1650394	2	{00000}-{ }	HANDLE, Adjusting
24	1651820	2	{00000}-{ }	GRIP
25	108360	2	{00000}-{ }	SPRING
26	917356	2	{00000}-{ }	LOCKWASHER, 5/16
27	108426	1	{00000}-{ }	BRACKET & SHAFT ASSY
28	108512	2	{00000}-{ }	PIVOT



NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174167	1	{00000}-{ }	GUARD ASSY, Stone
2	922109	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 1-1/4
3	8161199	3	{00000}-{ }	WASHER, Special
4	916965	4	{00000}-{ }	LOCKWASHER, 3/8
5	916950	4	{00000}-{ }	NUT, Hex, Full, 3/8-16
6	1651177	1	{00000}-{ }	DEFLECTOR
7	172468	1	{00000}-{ }	ROCKER ARM ASSY
8	921176	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	918430	2	{00000}-{ }	WASHER, Plain, 7/16
10	916951	4	{00000}-{ }	NUT, Hex, Full, 1/2-13
11	105051	2	{00000}-{ }	SPACER
12	916966	4	{00000}-{ }	LOCKWASHER, 1/2
13	1651516	2	{00000}-{ }	PIN, Pivot
14	118053	2	{00000}-{ }	PIN
15	918452	2	{00000}-{ }	PIN, Cotter, 1/8 x 1
16		1	{00000}-{ }	DECAL, Opei
17	176012	2	{00000}-{ }	PIN, Clip
18	176439	1	{00000}-{ }	BELT, V, PTO to Mower

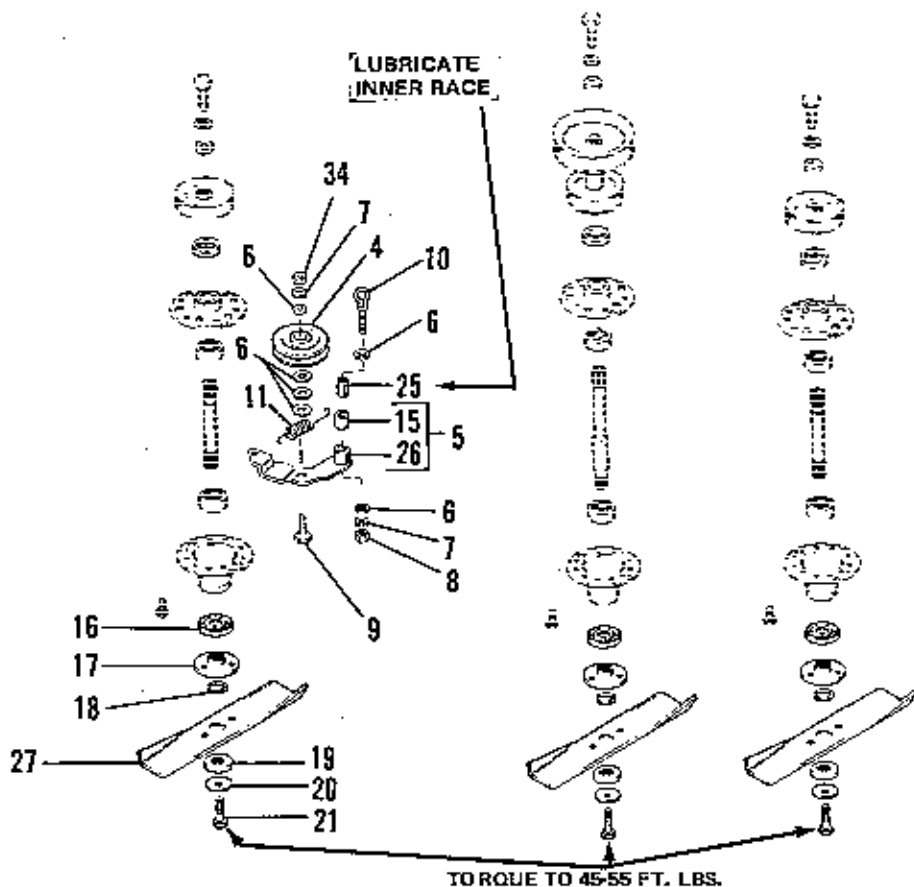
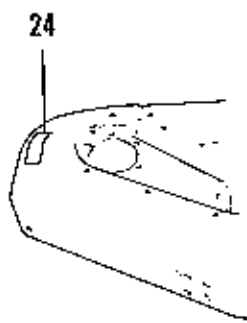
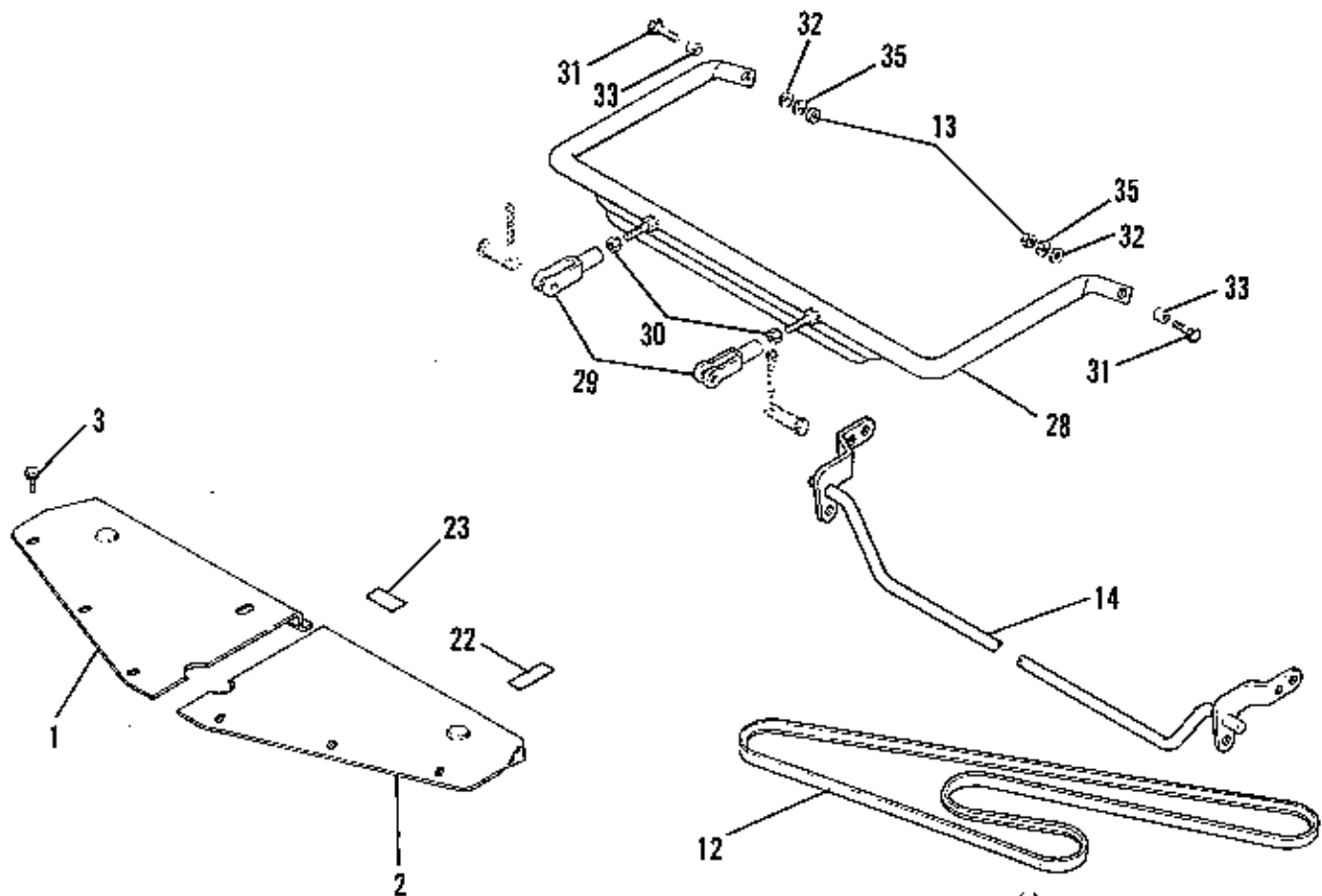


Ref. No.	Part No.	Qty.	Serial No.	Description
1	1655729	3	{00000}-( )	HOUSING, Top
2	1655728	3	{00000}-( )	HOUSING, Bottom
3	1655751	2	{00000}-( )	SHAFT, Arbor
4	1656913	1	{00000}-( )	SHAFT, Arbor, Center
5	1664847	18	{00000}-( )	SCREW, Hex Wshr. Hd., 5/16 x 5/8
6	1655867	2	{00000}-( )	PULLEY ASSY, Deck Drive
7	933263	3	{00000}-( )	WASHER
8	918199	3	{00000}-( )	LOCKWASHER, 7/16
9	920577	3	{00000}-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
10	108202	6	{00000}-( )	BEARING
11	1656153	1	{00000}-( )	HOUSING, 48"
12	1656928	1	{00000}-( )	PULLEY ASSY
13	1657969	3	{00000}-( )	SHIELD, Bearing, Upper
14	108453	1	{00000}-( )	BAFFLE
15	108219	2	{00000}-( )	BRACKET ASSY, Front
16	108366	1	{00000}-( )	BAR, Reinforcement
17	923232	4	{00000}-( )	BOLT, Carriage, 3/8-16 x 1
18	917372	2	{00000}-( )	NUT, Hex, Full, 5/16-18
19	917356	2	{00000}-( )	LOCKWASHER, 5/16
20	922110	2	{00000}-( )	BOLT, Carriage, 3/8-16 x 3/4
21	916965	6	{00000}-( )	LOCKWASHER, 3/8
22	916950	6	{00000}-( )	NUT, Hex, Full, 3/8-16
23	108186	2	{00000}-( )	CLIP, Baffle
24	922125	2	{00000}-( )	SCREW, Thd. Forming, 1/4-20 x 7/8
25	921959	2	{00000}-( )	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	917377	2	{00000}-( )	WASHER, Plain, 1/4
27	916964	4	{00000}-( )	LOCKWASHER, 1/4
28	916522	4	{00000}-( )	NUT, Hex, Full, 1/4-20
29	108224	1	{00000}-( )	BRACKET, Roller, L.H.
30	920562	2	{00000}-( )	BOLT, Carriage, 5/16-18 x 3/4
31	1663336	2	{00000}-( )	SHAFT & BEARING ASSY
32	1663337	1	{00000}-( )	SHAFT & BEARING ASSY, Center

### ASSEMBLY PROCEDURE

#### 48" Mower (Housing & Arbor Group)

- A. Press (2) bearings (item 10) with land riding seal out over shaft (items 3 & 4) using pressure only on the inner race of the bearing.
- B. Assemble upper and lower arbor housings (items 1 & 2) over bearings. Must be careful that housings do not cock on bearings. When upper and lower housing flanges come together proper alignment of holes in housing flanges are accomplished by aligning knockouts in lower housing flange with mating holes in upper housing flange. Also half holes in outer edge must match.
- C. Seal between flanges of upper arbor housing and lower arbor housing with 1651180 gasket eliminator. Remove contaminants, such as grease, heavy oil and dirt from flange surfaces before assembly. Avoid lateral movement between flange surfaces during assembly.



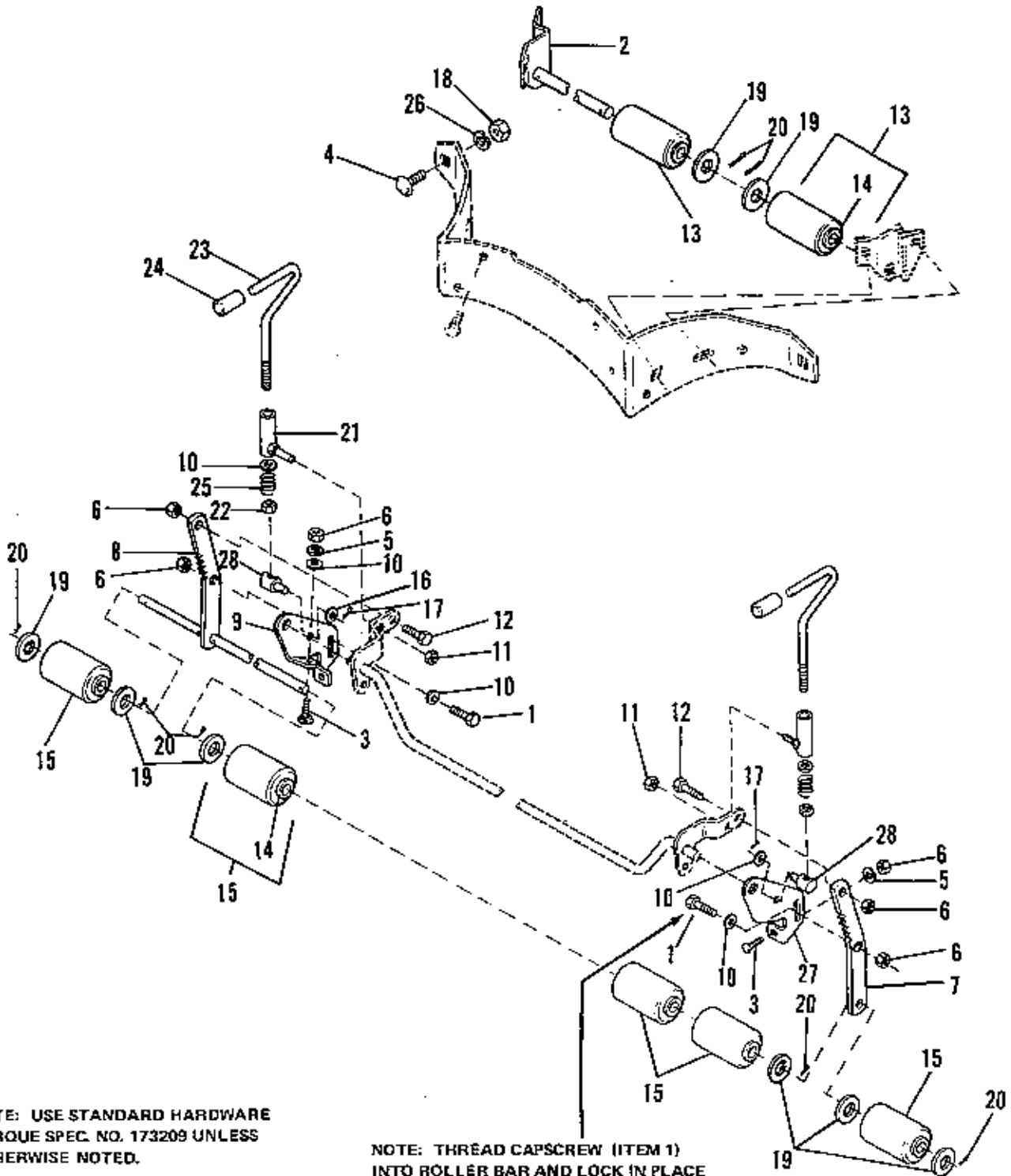
NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.



## 48" Cover, Drive &amp; Bail Group

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656952	1	{00000}-{ }	COVER, R.H.
2	1656951	1	{00000}-{ }	COVER, L.H.
3	929000	14	{00000}-{ }	SCREW, Hex, Taptite, 1/4-20 x 3/8
4	164268	1	{00000}-{ }	PULLEY, Idler
5	1657684	1	{00000}-{ }	LEVER ASSY, Idler (w/Bushings)
6	917642	6	{00000}-{ }	WASHER, Plain, 5/16
7	916965	2	{00000}-{ }	LOCKWASHER, 3/8
8	916950	1	{00000}-{ }	NUT, Hex, Full, 3/8-16
9	108418	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
10	171815	1	{00000}-{ }	EYEBOLT
11	1658936	1	{00000}-{ }	SPRING
12	1657044	1	{00000}-{ }	BELT, V, Arbor Drive
13	916951	2	{00000}-{ }	NUT, Hex, Full, 1/2-13
14	172015	1	{00000}-{ }	ROCKER ARM ASSY
15	1657682	1	{00000}-{ }	BUSHING
16	1657588	3	{00000}-{ }	SHIELD, Grass
17	1655777	3	{00000}-{ }	ADAPTOR, Blade
18	1857528	3	{00000}-{ }	RING, Self Locking
19	1656927	3	{00000}-{ }	WASHER, Spline
20	1656916	3	{00000}-{ }	WASHER, Spline
21	920676	3	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 1
22	1656857	1	{00000}-{ }	DECAL, Danger
23	174845	1	{00000}-{ }	DECAL, Belt Installation
24	1656856	1	{00000}-{ }	DECAL, Danger
25	8171073	1	{00000}-{ }	RACE, Inner
26	1656962	1	{00000}-{ }	LEVER ASSY, Idler
27	1656143	3	{00000}-{ }	BLADE, 48" Mower
28	172473	1	{00000}-{ }	BAIL ASSY
29	154304	2	{00000}-{ }	YOKE
30	919262	2	{00000}-{ }	NUT, Hex, Jam, 1/2-20
31	921176	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
32	918430	2	{00000}-{ }	WASHER, Plain, 7/16
33	105051	2	{00000}-{ }	SPACER
34	917421	1	{00000}-{ }	NUT, Hex, Jam, 3/8-16
35	916966	2	{00000}-{ }	LOCKWASHER, 1/2



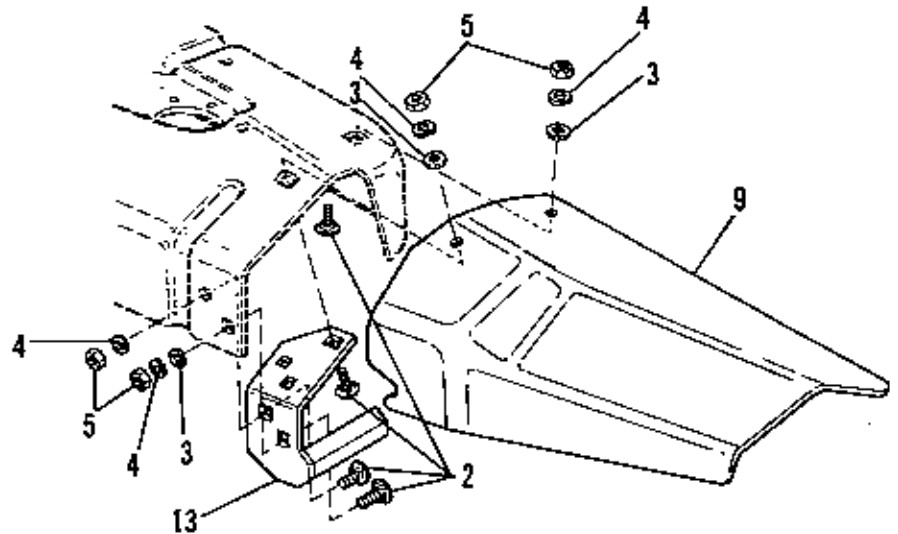
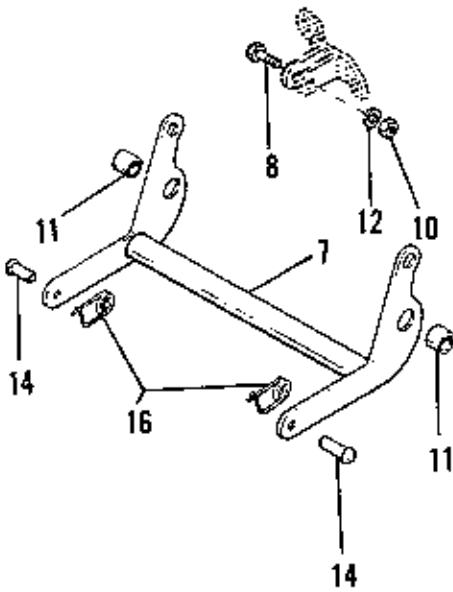
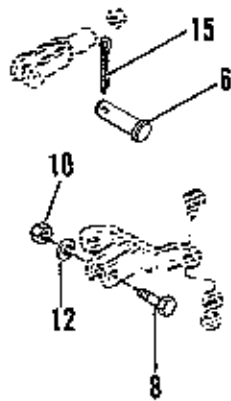
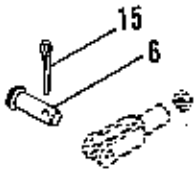
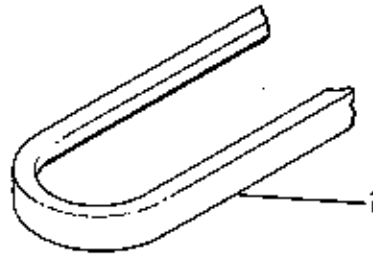
NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

NOTE: THREAD CAPSCREW (ITEM 1)  
INTO ROLLER BAR AND LOCK IN PLACE  
WITH NUT (ITEM 6). MUST HAVE SLIDING  
CLEARANCE BETWEEN ROLLER BAR AND  
ROLLER BRACKET AFTER ASSEMBLED.

## 48" Height Adjusting &amp; Roller Group

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	925204	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
2	108454	1	{00000}-{ }	BRACKET & SHAFT ASSY
3	923347	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
4	920562	2	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
5	916965	4	{00000}-{ }	LOCKWASHER, 3/8
6	916950	8	{00000}-{ }	NUT, Hex, Full, 3/8-16
7	1657891	1	{00000}-{ }	BAR, Roller
8	1657892	1	{00000}-{ }	SHAFT ASSY, Roller
9	172047	1	{00000}-{ }	BRACKET, Roller, R.H.
10	917378	6	{00000}-{ }	WASHER, Plain, 3/8
11	923428	2	{00000}-{ }	NUT, Hex, Full Lock, 3/8-16
12	907731	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
13	108431	2	{00000}-{ }	ROLLER SUB ASSY
14	108419	14	{00000}-{ }	BUSHING
15	108432	5	{00000}-{ }	ROLLER ASSY
16	924940	2	{00000}-{ }	WASHER, Plain, 5/16
17	922000	2	{00000}-{ }	PIN, Cotter, 3/32 x 5/8
18	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
19	919387	8	{00000}-{ }	WASHER, Plain, 5/8
20	918458	7	{00000}-{ }	PIN, Cotter, 3/16 x 1
21	108241	2	{00000}-{ }	SOCKET ASSY
22	917421	2	{00000}-{ }	NUT, Hex, Jam, 3/8-16
23	1650394	2	{00000}-{ }	HANDLE, Adjusting
24	1651820	2	{00000}-{ }	GRIP
25	108360	2	{00000}-{ }	SPRING
26	917356	2	{00000}-{ }	LOCKWASHER, 5/16
27	172046	1	{00000}-{ }	BRACKET, Roller, L.H.
28	108512	2	{00000}-{ }	PIVOT






NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	163011	1	{00000}-{ }	BELT, V, PTO to Mower
2	922109	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 1-1/4
3	924356	3	{00000}-{ }	WASHER, Special
4	916965	4	{00000}-{ }	LOCKWASHER, 3/8
5	916950	4	{00000}-{ }	NUT, Hex, Full, 3/8-16
6	154305	2	{00000}-{ }	PIN, Yoke
7	172468	1	{00000}-{ }	ROCKER ARM ASSY
8	921176	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	1651184	1	{00000}-{ }	DEFLECTOR
10	916951	2	{00000}-{ }	NUT, Hex, Full, 1/2-13
11	105051	2	{00000}-{ }	SPACER
12	916966	2	{00000}-{ }	LOCKWASHER, 1/2
13	174127	1	{00000}-{ }	GUARD ASSY, Stone
14	118053	2	{00000}-{ }	PIN
15	918452	2	{00000}-{ }	PIN, Cotter, 1/8 x 1
16	176012	2	{00000}-{ }	PIN, Clip



**TORQUE SPECIFICATIONS FOR  
STANDARD MACHINE HARDWARE  
TOLERANCE  $\pm 20\%$**

SIZE	SAE GRADE #2 		SAE GRADE #5 		SAE GRADE #8 	
	<u>In./Lbs.</u> Ft./Lbs.	Nm.	<u>In./Lbs.</u> Ft./Lbs.	Nm.	<u>In./Lbs.</u> 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.
5/16-18	11	15.	17	23.1	25	34.
5/16-24	12	16.3	19	25.8	25	34.
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.
7/16-14	30	40.8	50	68.	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.	75	102.	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.
9/16-18	75	102.	120	163.2	170	231.2
5/8-11	90	122.4	150	204.	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.
3/4-16	180	244.8	300	408.	420	571.2
7/8-9	140	190.4	400	544.	600	816.
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,224.
1-12	240	326.4	640	870.4	1,000	1,360.

**NOTE:**

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

**BOLT HEAD MARKING  
S.A.E. GRADE:**

