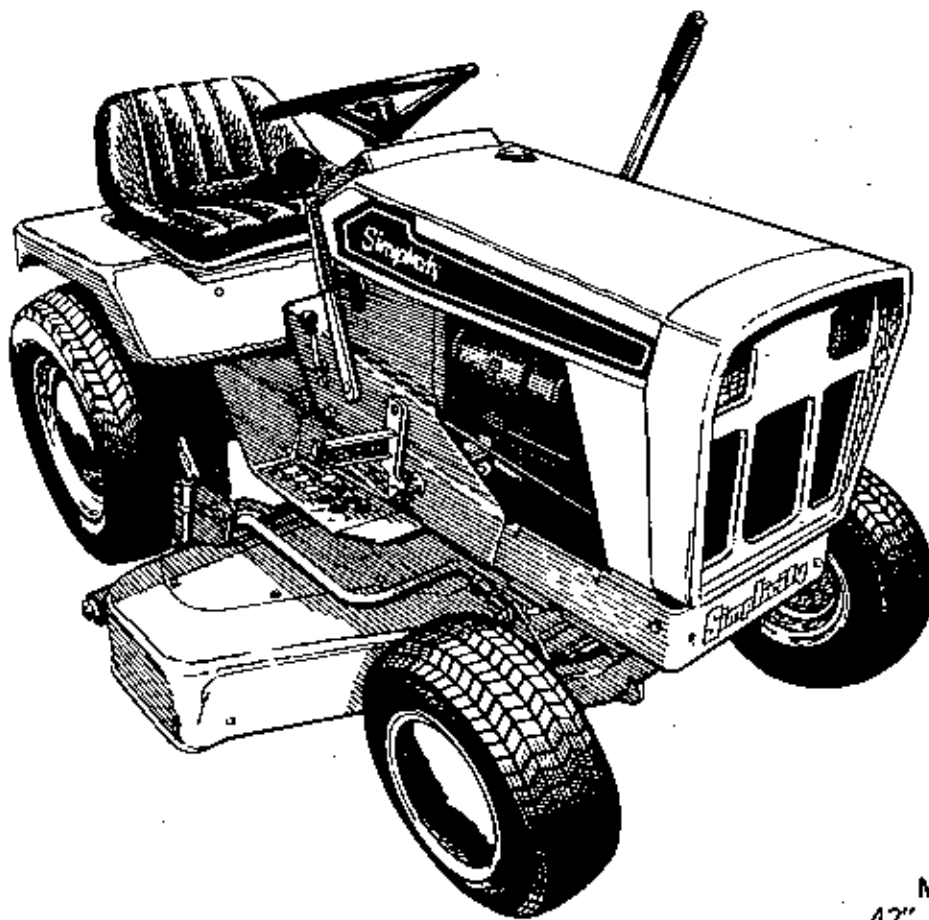


Simplicity

**PARTS
MANUAL**

**MODEL
7016 H**



16 H.P. HYDRO
MFG. NO. 1690202
42" ROTARY MOWER
MFG. NO. 1690252
48" ROTARY MOWER
MFG. NO. 1690021

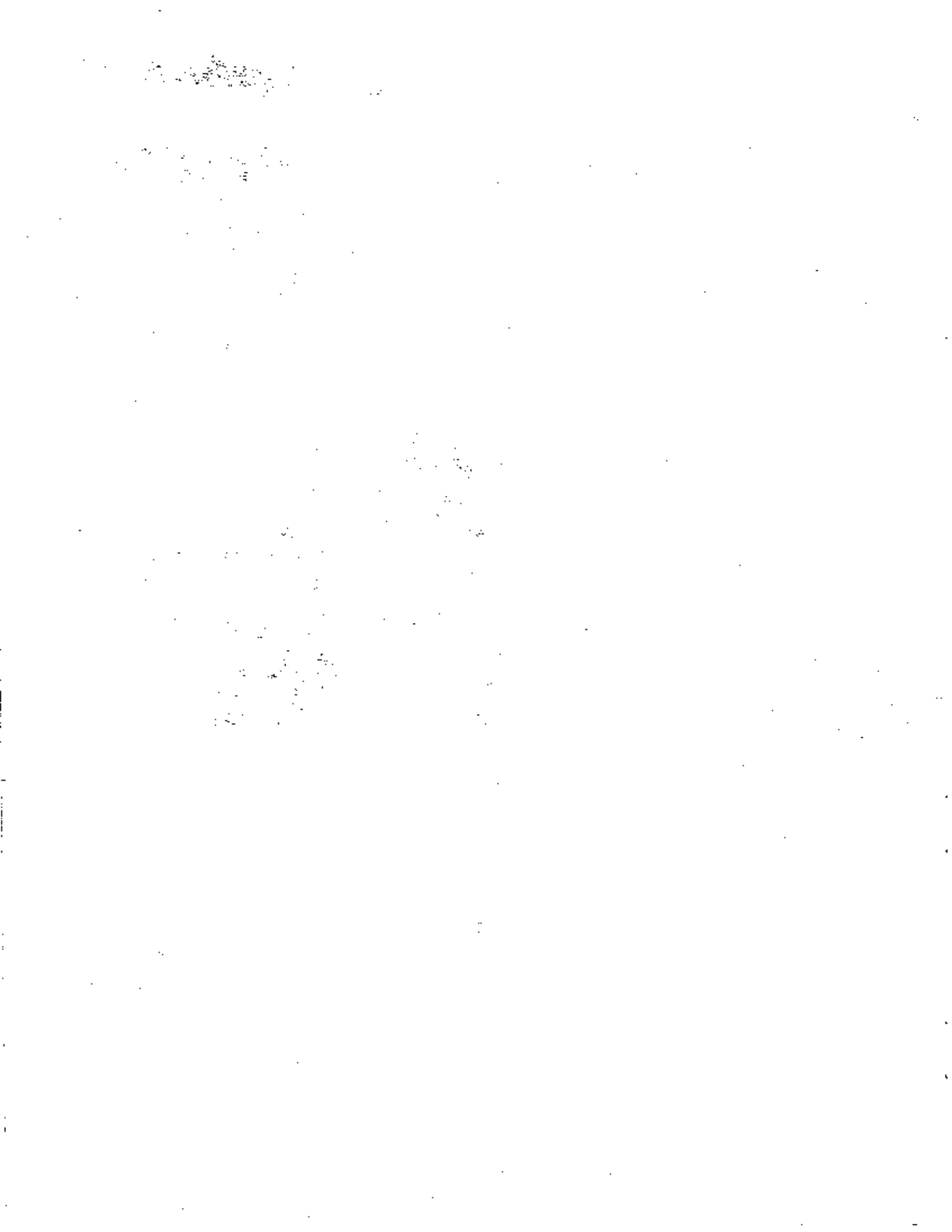
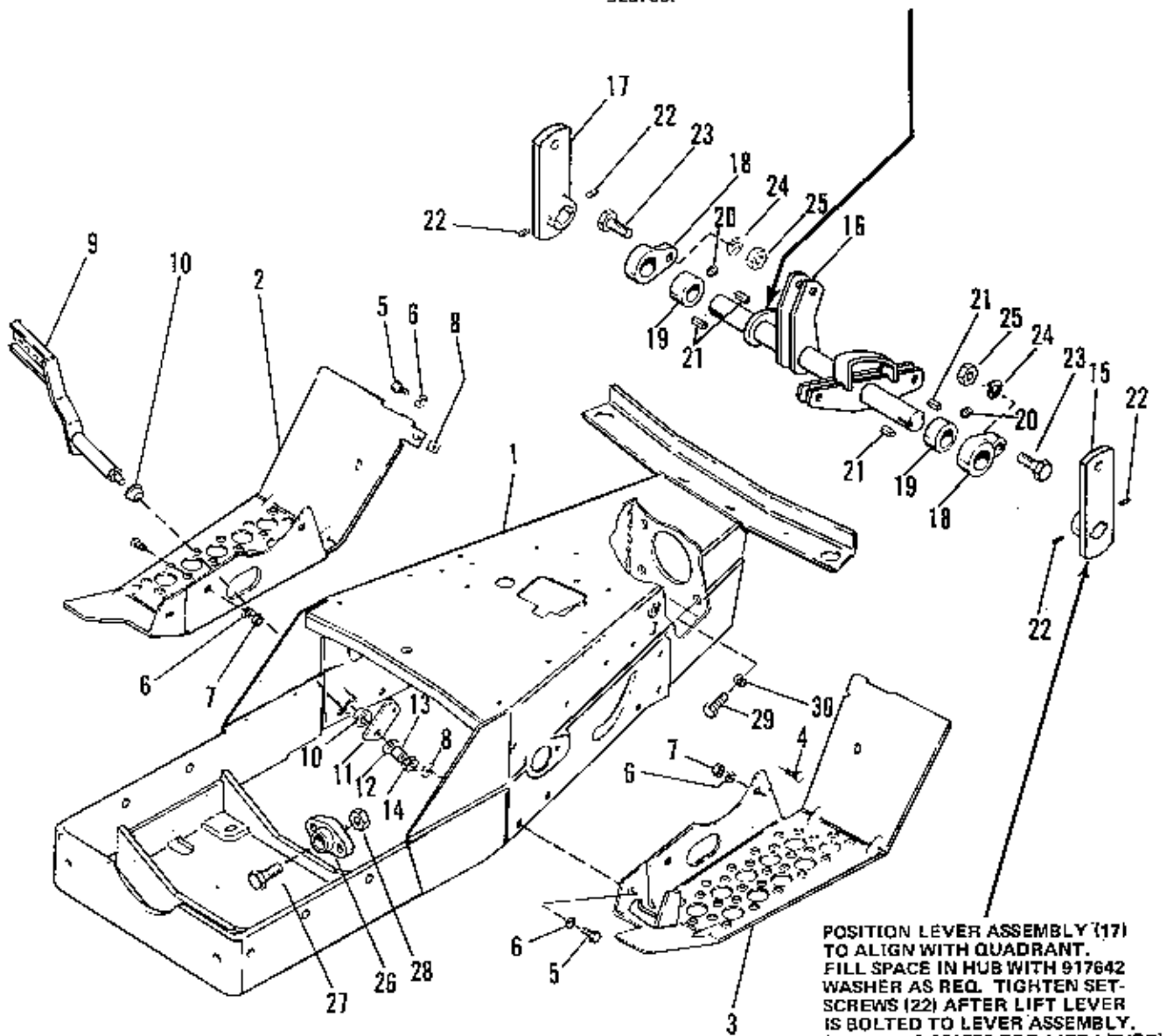


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STANDARD HARDWARE TORQUE SPECIFICATIONS	Inside Back Cover

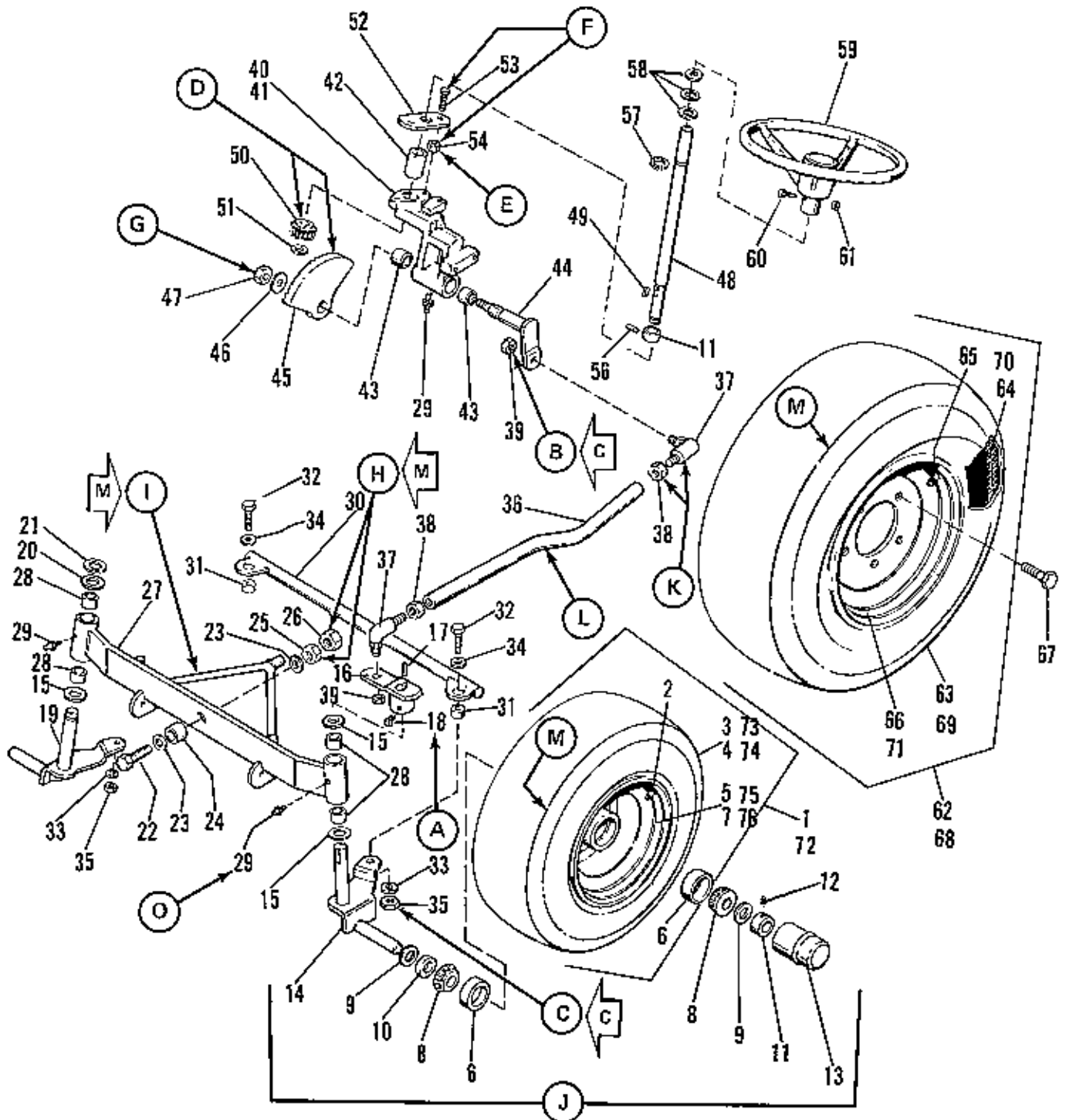
POSITION SHAFT ASSEMBLY 174111 BY ALIGNING LEVER ARM WITH CENTER OF LIFT CABLE PULLEY BRACKET ON RIGHT HAND SIDE OF FRAME. SECURE SHAFT ASSEMBLY IN PLACE WITH SET COLLARS 157624 AND SETSCREWS 928709.



POSITION LEVER ASSEMBLY (17) TO ALIGN WITH QUADRANT. FILL SPACE IN HUB WITH 917642 WASHER AS REQ. TIGHTEN SET-SCREWS (22) AFTER LIFT LEVER IS BOLTED TO LEVER ASSEMBLY. (REFER TO 981286 FOR LIFT LEVER)

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

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1654933	1	{00000}-{ }	REAR FRAME ASSEMBLY
2	171271	1	{00000}-{ }	FOOT REST, R.H.
3	176628	1	{00000}-{ }	FOOT REST, L.H.
4	923346	6	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
5	917397	2	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
6	917356	8	{00000}-{ }	LOCKWASHER, 5/16
7	917372	6	{00000}-{ }	NUT, Hex, Full, 5/16-18
8	920470	2	{00000}-{ }	NUT, Speed, Tinn., 5/16-18
9	1657270	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	157625	1	{00000}-{ }	FRONT LIFT LEVER ASSEMBLY
16	1663168	1	{00000}-{ }	LIFT SHAFT ASSEMBLY
17	171593	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	917356	2	{00000}-{ }	LOCKWASHER, 5/16
25	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
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



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






Ref. No.	Part No.	Qty.	Serial No.	Description
1	171483	2	{00000}-{ }	WHEEL & TIRE ASSEMBLY (7010 Only)
2	156305	2	{00000}-{ }	VALVE STEM & CAP (7010 Only)
3	153037	2	{00000}-{ }	TIRE (7010 Only)
4	153038	2	{00000}-{ }	TUBE (7010 Only)
5	171484	2	{00000}-{ }	WHEEL ASSEMBLY (7010 Only)
6	154393	4	{00000}-{ }	CUP, Bearing (7010 Only)
7		2	{00000}-{ }	WHEEL (7010 Only)
8	154486	4	{00000}-{ }	CONE, Bearing
9	171375	4	{00000}-{ }	SPACER
10	170188	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	2	{00000}-{ }	WASHER
16	170998	3	{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
28	154289	4	{00000}-{ }	BUSHING
29	914687	3	{00000}-{ }	FITTING, Grease
30	157499	1	{00000}-{ }	TIE ROD ASSY
31	154177	2	{00000}-{ }	SPACER
32	917400	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
33	916965	2	{00000}-{ }	LOCKWASHER, 3/8
34	917378	2	{00000}-{ }	WASHER, Plain, 3/8
35	916950	2	{00000}-{ }	NUT, 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	930633	2	{00000}-{ }	LOCKNUT, Hex, 1/2-20
40	171832	1	{00000}-{ }	STEERING HOUSING ASSEMBLY
41	170960	1	{00000}-{ }	HOUSING, Steering
42	170992	1	{00000}-{ }	BUSHING
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. 51-71 CONTINUED
ON THE FOLLOWING PAGE.

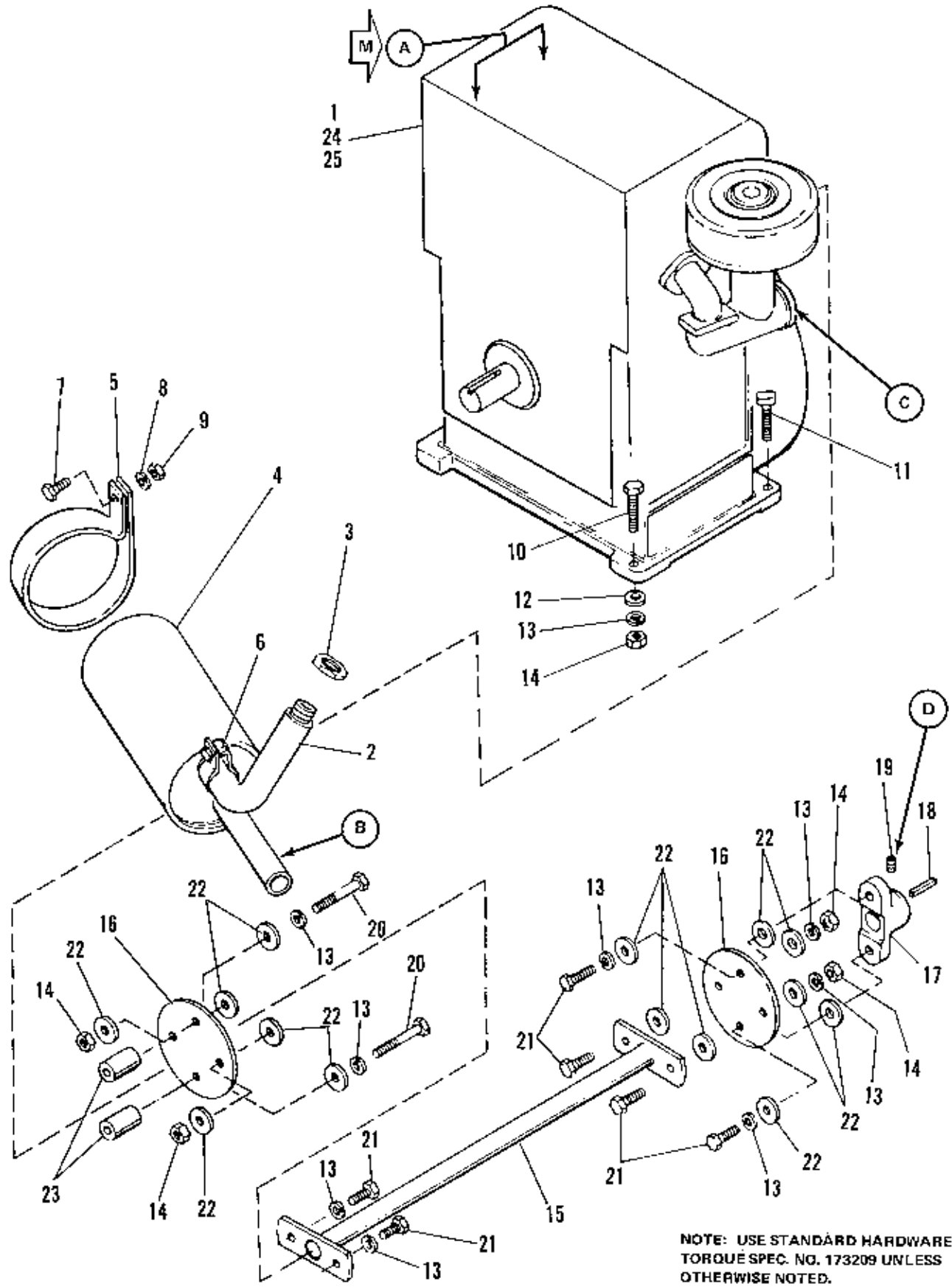
Ref. No.	Part No.	Qty.	Serial No.	Description
51	1602155	1	{00000}-[]	"E" RING
52	171000	1	{00000}-[]	PLATE, Steering
53	917400	2	{00000}-[]	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
54	928731	2	{00000}-[]	LOCKNUT, 3/8-16
56	928734	1	{00000}-[]	SETSCREW, Sq. Hd., 5/16-18 x 1/4
57	154264	1	{00000}-[]	RING, Retaining
58	168223	3	{00000}-[]	WASHER
59	1606342	1	{00000}-[]	WHEEL, Steering
60	921977	1	{00000}-[]	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
61	929001	1	{00000}-[]	LOCKNUT, Flange, 5/16-18
62	173431	2	{00000}-[]	WHEEL & TIRE ASSEMBLY
63	157024	2	{00000}-[]	TIRE 23-8.50 x 12
64	157602	2	{00000}-[]	TUBE
65	172353	2	{00000}-[]	STEM & VALVE CAP
66	173430	2	{00000}-[]	WHEEL, Drive
67	8261100	10	{00000}-[]	BOLT, Hub
68	173432	2	{00000}-[]	WHEEL & TIRE ASSEMBLY 23-10.50 x 12 (7016 Only)
69	1605967	2	{00000}-[]	TIRE (7016 Only)
70	157638	2	{00000}-[]	TUBE (7016 Only)
71	173430	2	{00000}-[]	WHEEL DRIVE (7016 Only)
72	171376	2	{00000}-[]	WHEEL & TIRE ASSY
73	157490	2	{00000}-[]	TIRE
74	164247	2	{00000}-[]	TUBE
75	171377	2	{00000}-[]	WHEEL ASSY
76		2	{00000}-[]	WHEEL

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

WHEELS, 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 (171483 for 10 H.P. & 171376 for 13 & 16 H.P.)
 - 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 \mathcal{C} is to be parallel to fore and aft \mathcal{C} of tractor.
- M. NOTE: Tire pressure as received from vendor = 20 PSI Min. at time of assembly.
- N. Use standard hardware torque Spec. No. 173209 unless otherwise noted.
- O. 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		1	{00000}-{ }	ENGINE, 10 H.P.-Briggs & Stratton
2	1656492	1	{00000}-{ }	ELBOW & NIPPLE ASSEMBLY
3	154378	1	{00000}-{ }	LOCKNUT
4	170456	1	{00000}-{ }	MUFFLER
5	171880	1	{00000}-{ }	STRAP, Muffler
6	172061	1	{00000}-{ }	CLAMP, Muffler
7	919933	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
8	917356	1	{00000}-{ }	LOCKWASHER, 5/16
9	917372	1	{00000}-{ }	NUT, Hex, 5/16-18
10	921969	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
11	172455	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-5/16
12	917378	4	{00000}-{ }	WASHER, 3/8
13	916965	12	{00000}-{ }	LOCKWASHER, 3/8
14	916950	8	{00000}-{ }	NUT, Hex, 3/8-16
15	172328	1	{00000}-{ }	DRIVESHAFT ASSEMBLY
16	173026	2	{00000}-{ }	COUPLING
17	172264	1	{00000}-{ }	FLANGE, DRIVESHAFT
18	157427	1	{00000}-{ }	KEY, Driveshaft
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	1656397	2	{00000}-{ }	SPACER
24		1	{00000}-{ }	ENGINE, 16 H.P.-Briggs & Stratton

- A. Remove two head bolts, attach bracket No. 1656452 and torque head bolts to 190 in. /Lbs. 
- B. When muffler is assembled onto engine, exhaust pipe must line up with hole in side of hood.
- C. Choke button to be pushed in on dash panel and choke lever on carburetor to be in open position before tightening clamp bolt.
- D. Tighten setscrew after drive shaft assembly has been secured to engine flywheel adaptor.

Use standard hardware torque Spec. No. 173209 unless otherwise noted.

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.

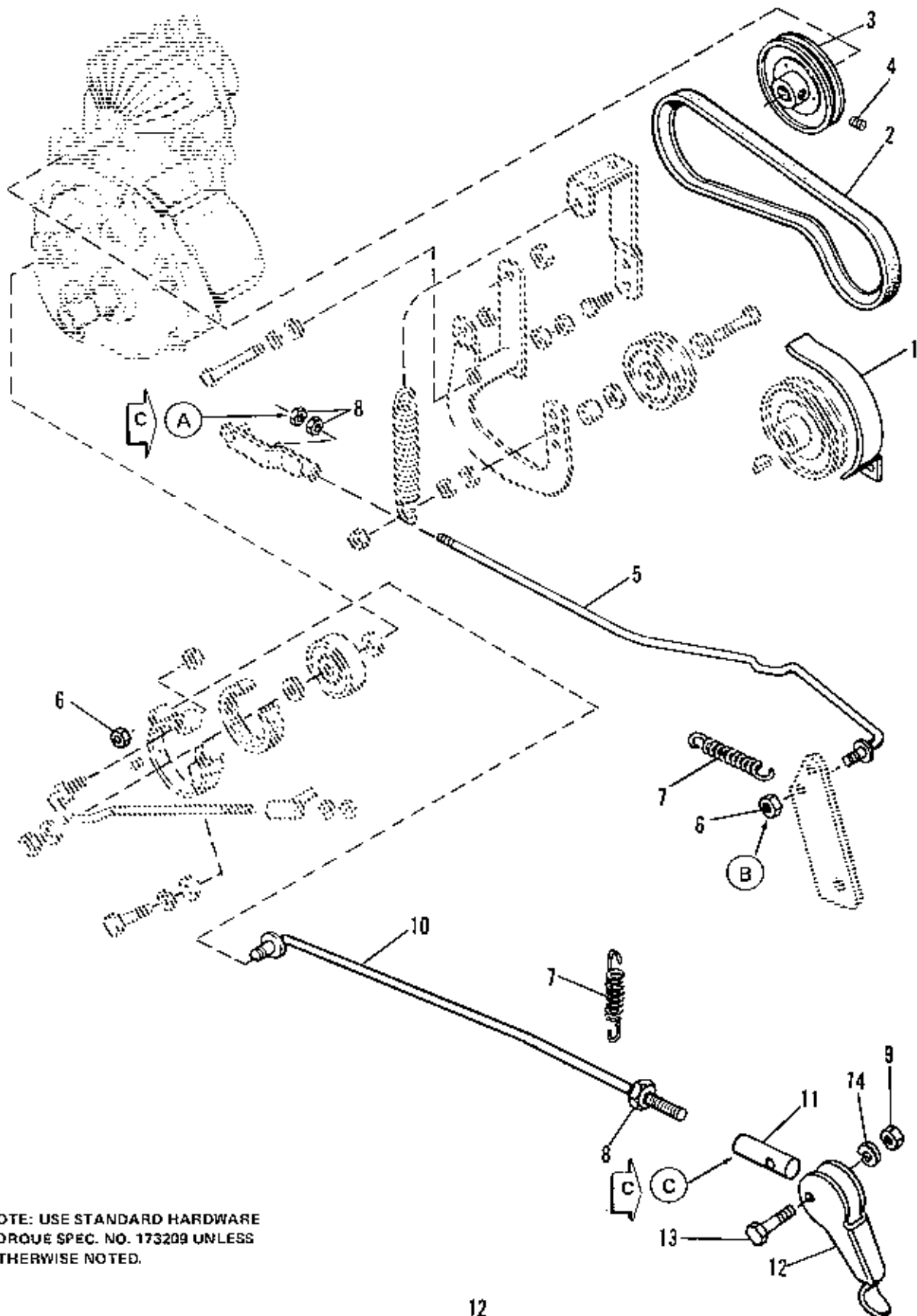
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1657323	1	{00000}-{ }	PULLEY
2	905123	1	{00000}-{ }	KEY
3	166156	1	{00000}-{ }	BRACKET
4	926035	2	{00000}-{ }	SCREW, Thd. Form., 3/8 x 3/4
5	168127	1	{00000}-{ }	LEVER ASSY, Idler
6	928295	1	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 3-3/4
7	917378	4	{00000}-{ }	WASHER, 3/8 Std.
8	166130	1	{00000}-{ }	SPACER
9	918199	1	{00000}-{ }	LOCKWASHER, 7/16
10	918213	1	{00000}-{ }	NUT, Hex, Full, 7/16-14
11	164298	1	{00000}-{ }	PULLEY, Idler
12	154369	1	{00000}-{ }	SPRING
13	919362	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
14	157081	1	{00000}-{ }	SPACER
15	916965	2	{00000}-{ }	LOCKWASHER, 3/8
16	916950	3	{00000}-{ }	NUT, Hex, Full, 3/8-16
17	923428	2	{00000}-{ }	NUT, Lock, Hex, 3/8-16
18	166157	1	{00000}-{ }	GUIDE ASSY
19	923362	2	{00000}-{ }	NUT, Lock, Hex, 5/16-18
20	172234	1	{00000}-{ }	BAND ASSY, Brake
21	172237	1	{00000}-{ }	LINING, Brake
22	928810	5	{00000}-{ }	RIVET
23	919361	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
24	166176	1	{00000}-{ }	DRUM, Brake
25	158196	2	{00000}-{ }	WASHER, Special
26	924058	1	{00000}-{ }	NUT, Lock, Hex, 7/16-14
27	1650651	1	{00000}-{ }	ROD, Brake
28	166119	1	{00000}-{ }	GUIDE ASSY, Rod

CLUTCH & BRAKE – HYDRO**7016 H**

- A. Torque to 25-33 Ft. /Lbs.
- B. Tighten until snug but free to pivot.
- C** C. 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 rod guide No. 166119 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.
 - A. Transmission drive belt clutch must be fully disengaged before service brake engages.
 - B. 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 pounds applied to the brake foot pedal – (Ref. ANSI Std. B71.1a – 1974).



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

Ref. No.	Part No.	Qty.	Serial No.	Description
1	166122	1	{00000}{ }	GUARD ASSY
2	1650502	1	{00000}{ }	"V" BELT
3	166173	1	{00000}{ }	PULLEY
4	928709	1	{00000}{ }	SETSCREW, Sq. Hd., 5/16-18 x 3/8
5	1650531	1	{00000}{ }	ROD, Clutch
6	923362	2	{00000}{ }	NUT, Lock, Hex, 5/16-18
7	121037	2	{00000}{ }	SPRING
8	917372	3	{00000}{ }	NUT, Hex, Full, 5/16-18
9	923329	1	{00000}{ }	NUT, Lock, Hex, 1/4-20
10	172461	1	{00000}{ }	ROD ASSY
11	171994	1	{00000}{ }	ROD, End
12	172108	1	{00000}{ }	LEVER, Parking Brake
13	928745	1	{00000}{ }	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
14	930666	1	{00000}{ }	LOCKWASHER, Dbl. 1/4

CLUTCH & BRAKE – HYDRO 7016 H

A. Clutch Free Travel Adjustment

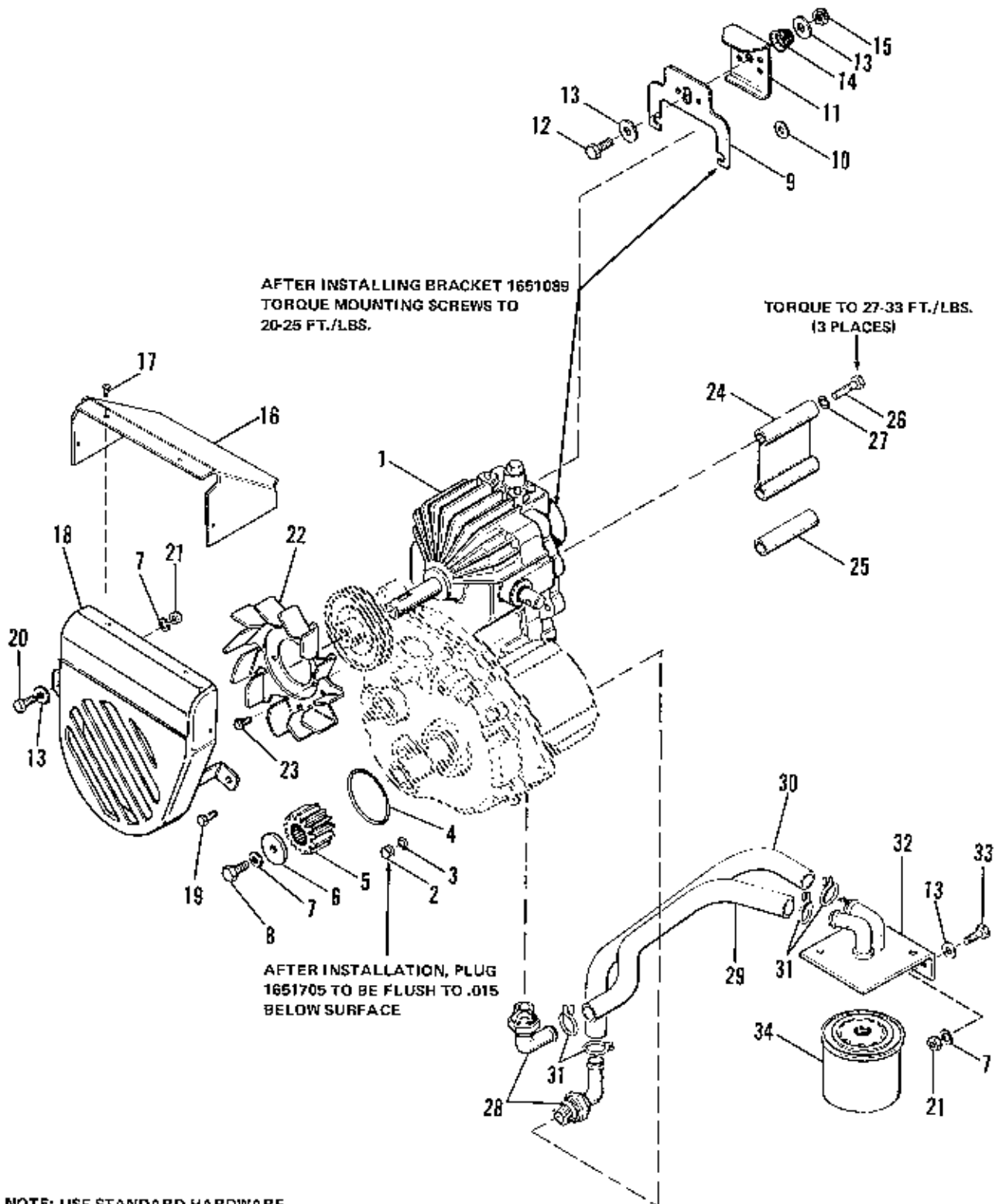
1. Rotate belt drive a minimum of 3 revolutions.
2. Make sure clutch pedal is released & clutch is as far to the rear as it will go.
3. Adjust double nuts for .375 inches between nuts & rod guide & lock together.

B. Nut Must Be Snug But Free To Pivot.



C. Parking Brake Adjustment

1. Loosen Nut "A".
2. Rotate parking brake lever - 1652405 – 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 degree (30 percent) slope – (Ref. ANSi Std. B71.1a – 1974).
5. After parking brake is properly adjusted, secure adjustment tightening nut "A".

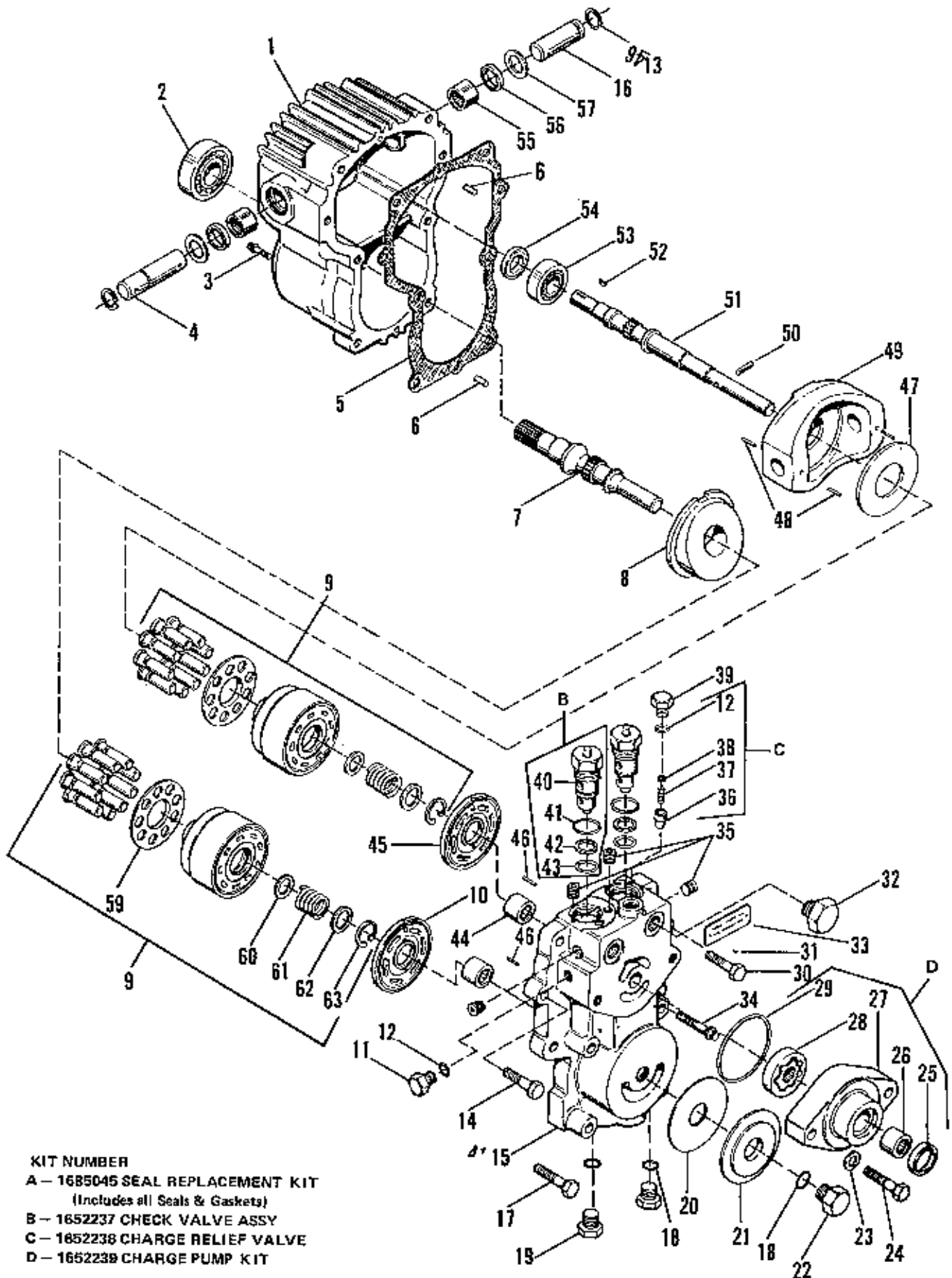


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

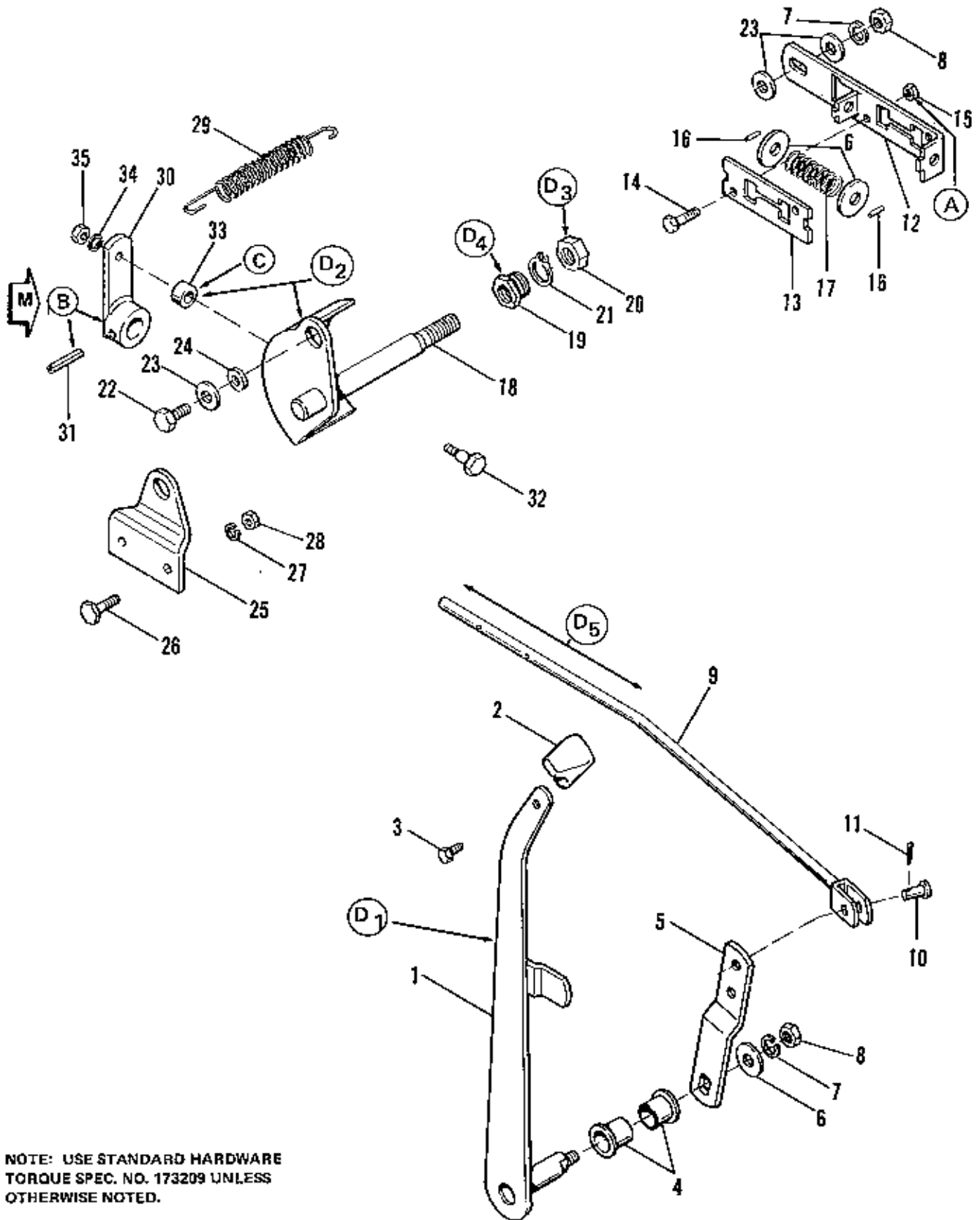
Hydrostatic Pump Group

10-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1650301	1	{00000}-{ }	HYDRO PUMP & MOTOR UNIT
2	1651705	1	{00000}-{ }	PLUG
3	1651704	1	{00000}-{ }	"O" RING
4	1651703	1	{00000}-{ }	"O" RING
5	166003	1	{00000}-{ }	PINION, Motor Shaft
6	123144	1	{00000}-{ }	WASHER
7	917356	4	{00000}-{ }	LOCKWASHER, 5/16
8	921515	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
9	1651089	1	{00000}-{ }	BRACKET
10	156065	2	{00000}-{ }	WASHER
11	1651090	1	{00000}-{ }	RELEASE, Latch
12	916431	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1
13	917642	5	{00000}-{ }	WASHER, 5/16
14	153010	1	{00000}-{ }	SPRING
15	923362	1	{00000}-{ }	LOCKNUT, Hex, 5/16-18
16	178779	1	{00000}-{ }	DEFLECTOR, Shroud
17	923736	4	{00000}-{ }	SCREW, Tapfite No. 10-32 x 3/8
18	178774	1	{00000}-{ }	SHROUD ASSY, Fan
19	930557	1	{00000}-{ }	SCREW, Thd. Form., 5/16-18 x 1/2
20	917397	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
21	917372	3	{00000}-{ }	NUT, Hex Full, 5/16-18
22	166022	1	{00000}-{ }	FAN, Pulley
23	927428	3	{00000}-{ }	SCREW, Thd., Form., 1/4-20 x 3/8
24	1650833	1	{00000}-{ }	SPACER
25	1650524	1	{00000}-{ }	SPACER
26	923090	3	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 5
27	916965	3	{00000}-{ }	LOCKWASHER, 3/8
28	1650867	2	{00000}-{ }	INSERT, Hose
29	1650563	1	{00000}-{ }	HOSE
30	1650564	1	{00000}-{ }	HOSE
31	171457	4	{00000}-{ }	CLAMP, Hose
32	1650989	1	{00000}-{ }	SUPPORT ASSY, Oil Filter
33	919319	2	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 7/8
34	1650954	1	{00000}-{ }	FILTER ASSY



- KIT NUMBER**
A - 1685045 SEAL REPLACEMENT KIT
 (Includes all Seals & Gaskets)
B - 1652237 CHECK VALVE ASSY
C - 1652238 CHARGE RELIEF VALVE
D - 1652239 CHARGE PUMP KIT



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

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1650400	1	{00000}-{ }	LEVER ASSY, Control
2	171165	1	{00000}-{ }	KNOB
3	925592	1	{00000}-{ }	SCREW, Tnd. Form., 1/4-20 x 3/4
4	108419	2	{00000}-{ }	BUSHING
5	1650358	1	{00000}-{ }	LINK
6	917378	3	{00000}-{ }	WASHER, 3/8
7	916965	2	{00000}-{ }	LOCKWASHER, 3/8
8	916950	2	{00000}-{ }	NUT, Hex, Full, 3/8-16
9	1650715	1	{00000}-{ }	ROD ASSY, Control
10	1651167	1	{00000}-{ }	PIN
11	918447	1	{00000}-{ }	PIN, Cottor, 3/32 x 3/4
12	1650712	1	{00000}-{ }	GUIDE, Control Rod
13	1650713	1	{00000}-{ }	PLATE, Guide
14	908297	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
15	923358	2	{00000}-{ }	LOCKNUT, Hex, 1/4-20
16	919180	2	{00000}-{ }	PIN, Roll
17	1650347	1	{00000}-{ }	SPRING
18	1650874	1	{00000}-{ }	SHAFT ASSY
19	1650872	1	{00000}-{ }	NUT, Adjusting
20	913744	1	{00000}-{ }	NUT, Hex, Jam, 1/2-13
21	157286	1	{00000}-{ }	RING, Retaining
22	907721	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
23	917642	3	{00000}-{ }	WASHER, 5/16
24	1650506	1	{00000}-{ }	SPACER
25	1650401	1	{00000}-{ }	BRACKET, Pivot
26	1650430	2	{00000}-{ }	SCREW, Special
27	917356	2	{00000}-{ }	LOCKWASHER, 5/16
28	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
29	174896	1	{00000}-{ }	SPRING
30	1650392	1	{00000}-{ }	LINK ASSY, Control
31	916937	1	{00000}-{ }	PIN, Roll, 1/4 x 1-1/4
32	1650621	1	{00000}-{ }	BOLT, Shoulder
33	1650592	1	{00000}-{ }	ROLLER, Cam
34	916964	1	{00000}-{ }	LOCKWASHER, 1/4
35	916622	1	{00000}-{ }	NUT, Hex, Full, 1/4-20

A

Tighten locknuts 923358 until plate 1650713 and guide 1650712 are held firmly together. After assembly, rod assembly 1650715 must slide through guide 1650712 without binding.

B

To prevent internal damage to hydrostatic unit, hub of 1650392 link assembly must be supported while 916937 pin is being installed.

C

Roller must rotate freely after assembly. To obtain hydrostatic neutral adjustment, complete following steps.

D₁

Place control lever assembly 1650400 in neutral position on quadrant.

D₂

Loosen nut 916950 and rotate cam shaft assembly until center mark on cam aligns with center of cam roller 1650592. Retighten nut to secure adjustment.

D₃

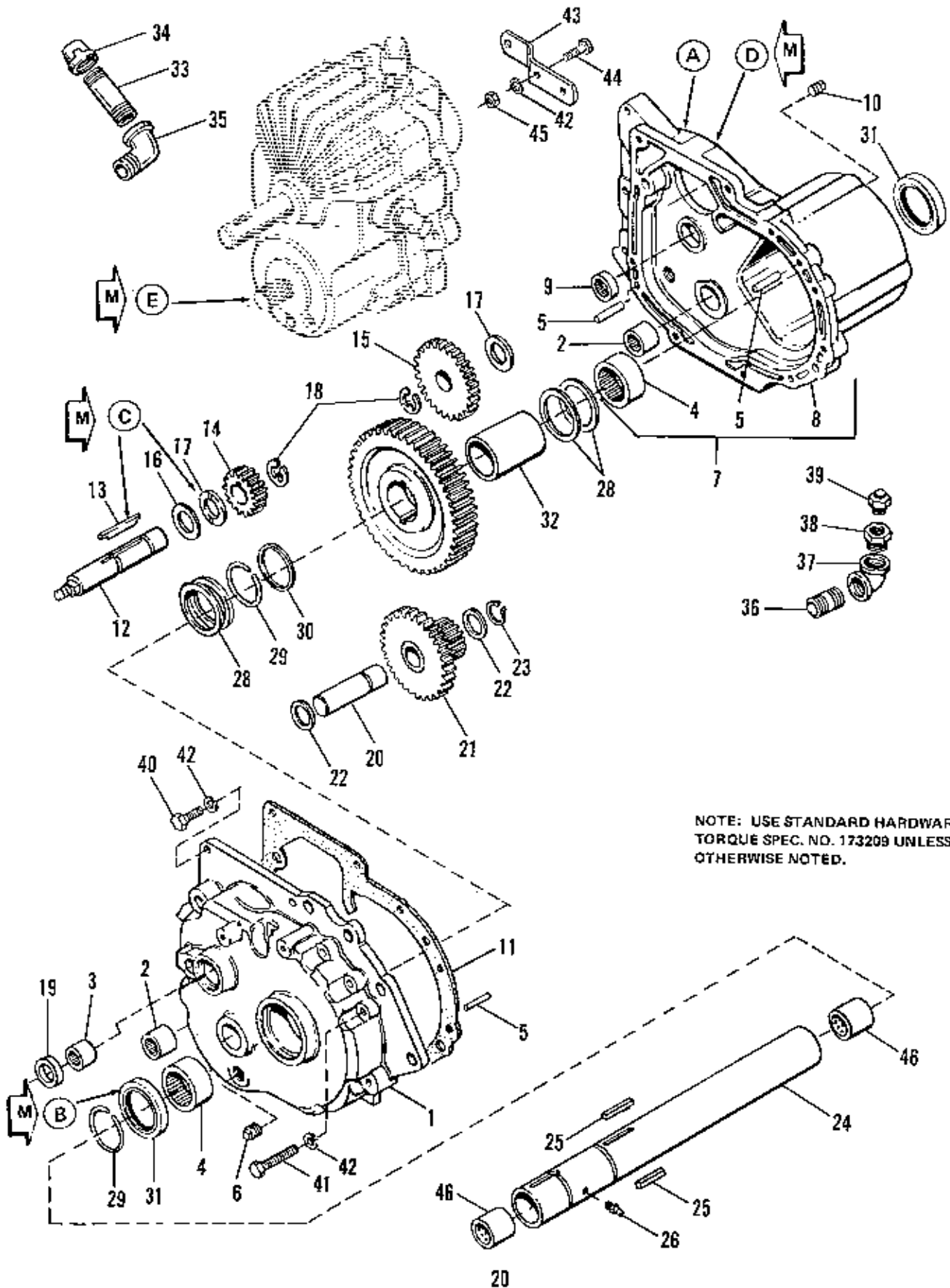
Loosen Nut 913744

D₄

With unit running, rotate adjusting nut 1650872 until rear wheels stop turning. Retighten nut to secure adjustment.

D₅

Cycle control lever 1650400 from full forward to full reverse and back to neutral to check adjustment.



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

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1650427	1	{00000}-{ }	COVER ASSY, Gear Case (w/bearings)
2	166018	2	{00000}-{ }	BEARING, Needle
3	166019	·	{00000}-{ }	BEARING, Needle
4	1652469	2	{00000}-{ }	BEARING, Needle
5	918113	2	{00000}-{ }	PIN, Roll, 3/8 x 1
6	901653	1	{00000}-{ }	PLUG, Pipe
7	1650429	1	{00000}-{ }	GEAR CASE ASSY (w/bearings)
8	173550	1	{00000}-{ }	GEAR CASE
9	154271	1	{00000}-{ }	BEARING, Needle
10	901652	1	{00000}-{ }	PLUG, Pipe
11	166043	1	{00000}-{ }	GASKET
12	1650775	1	{00000}-{ }	SHAFT, Brake
13	166014	1	{00000}-{ }	KEY
14	176243	1	{00000}-{ }	PINION
15	166004	1	{00000}-{ }	GEAR
16	1651078	1	{00000}-{ }	WASHER
17	166013	2	{00000}-{ }	WASHER
18	176980	2	{00000}-{ }	RING, Retaining
19	166021	1	{00000}-{ }	SEAL
20	166012	1	{00000}-{ }	SHAFT, Interim
21	176236	1	{00000}-{ }	PINION & SHAFT ASSY
22	166016	2	{00000}-{ }	WASHER
23	166017	1	{00000}-{ }	RING, Retaining
24	1651517	1	{00000}-{ }	AXLE TUBE ASSY
25	166085	2	{00000}-{ }	KEY
26	912808	1	{00000}-{ }	FITTING, Grease
27	1652504	1	{00000}-{ }	GEAR, Drive
28	154097	4	{00000}-{ }	WASHER
29	154268	2	{00000}-{ }	RING, Retaining
30	166167	1	{00000}-{ }	WASHER
31	154269	2	{00000}-{ }	SEAL
32	1651512	1	{00000}-{ }	SPACER, L.H. Axle
33	901493	1	{00000}-{ }	NIPPLE, Pipe
34	901752	1	{00000}-{ }	CAP, Pipe
35	901753	1	{00000}-{ }	STREET, Elbow
36	901480	1	{00000}-{ }	NIPPLE, Pipe
37	901677	1	{00000}-{ }	ELBOW, Pipe
38	901825	1	{00000}-{ }	BUSHING, Pipe
39	172899	1	{00000}-{ }	VALVE, Relief
40	921333	5	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18x 3/4
41	921978	4	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x2
42	917356	11	{00000}-{ }	LOCKWASHER, 5/16
43	1650652	1	{00000}-{ }	SUPPORT, Spring
44	916431	2	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1
45	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
46	164224	2	{00000}-{ }	BUSHING

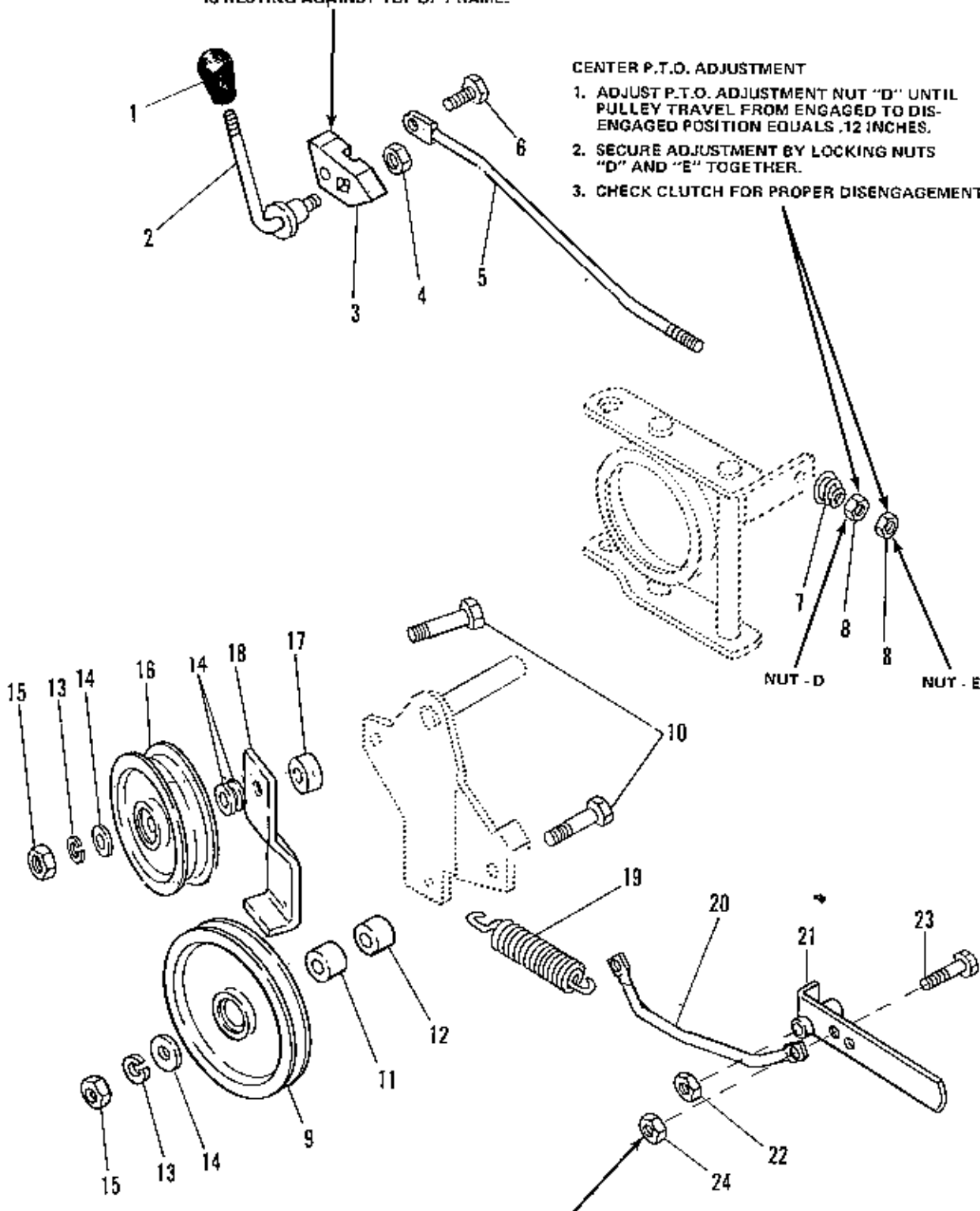
HYDROSTATIC TRANSMISSION**7016H**

- A. Mask hydrostatic mounting surface and cover hole prior to painting.
- B. Grease inside lips of all seals before installation. Install seals with spring toward inside.
- C. Notch in washer 1651078 must fit over key 166014
- D. Use 1651180 -- Gasket place 1/8 bead all around.
- Surface must be clean and free of metal chips, dirt and other contaminants.
1. Make sure "O" ring on pilot bearing stays in place until assy. is complete.
 2. After contact is made with gasket material, complete assy in a manner that will prevent smearing of gasket material.
 - E. Clean mating surface with LocQuic primer NF by spraying & wiping with clean cloth to remove contamination. If part is assembled within 30 minutes no additional treatment is required. Otherwise spray thin film onto surface. Permit to visibly dry. Items Pinion 166003, washer, 123144, screw 921515, lockwasher 917356, "O" ring, 1651704, "O" ring 1651703, & plug 1651705 to be clean and free of metal chips, dirt and other contaminants harmful to the hydrostatic transmission.

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

CENTER P.T.O. ADJUSTMENT

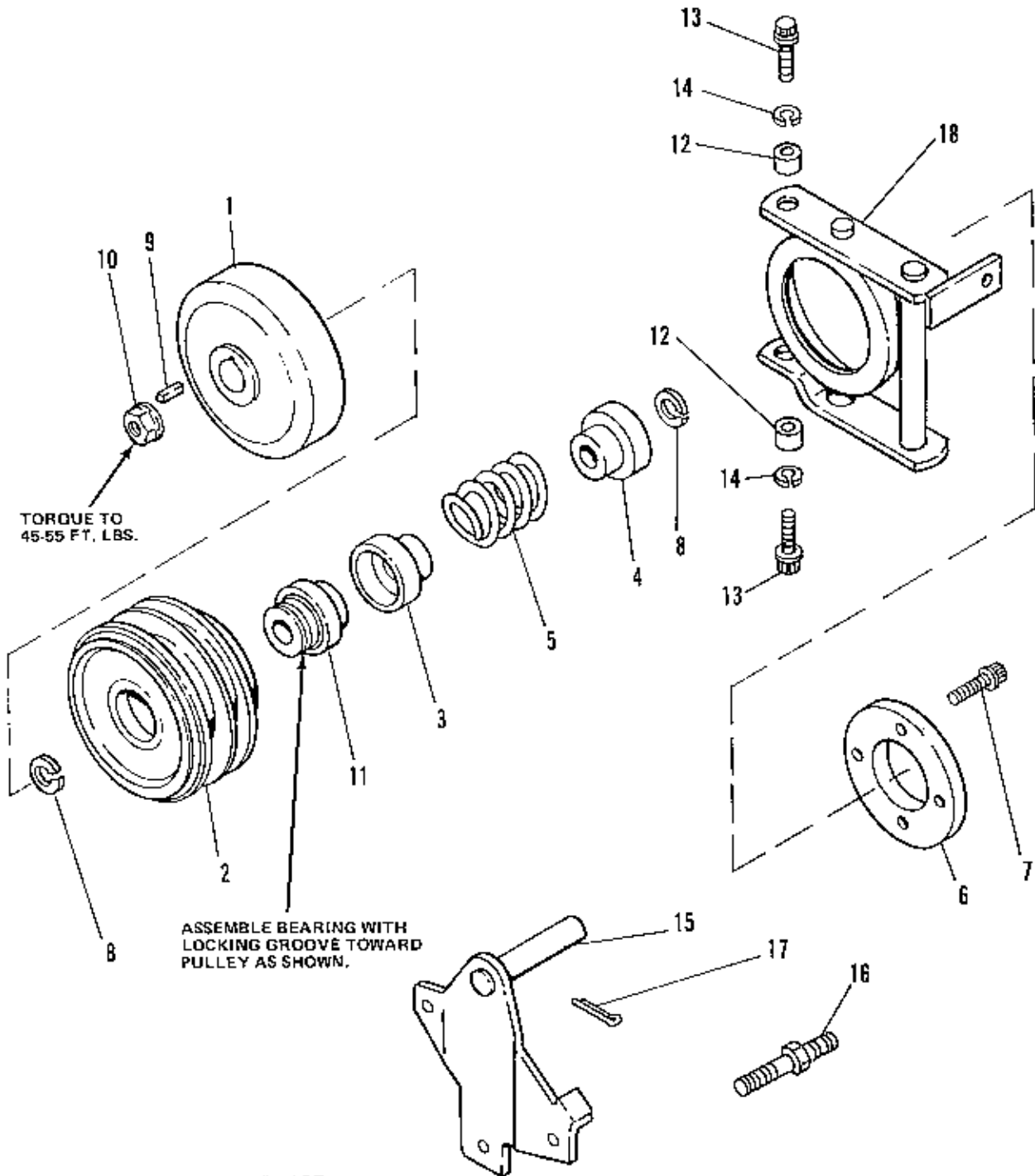
1. ADJUST P.T.O. ADJUSTMENT NUT "D" UNTIL PULLEY TRAVEL FROM ENGAGED TO DIS-ENGAGED POSITION EQUALS .12 INCHES.
2. SECURE ADJUSTMENT BY LOCKING NUTS "D" AND "E" TOGETHER.
3. CHECK CLUTCH FOR PROPER DISENGAGEMENT.



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

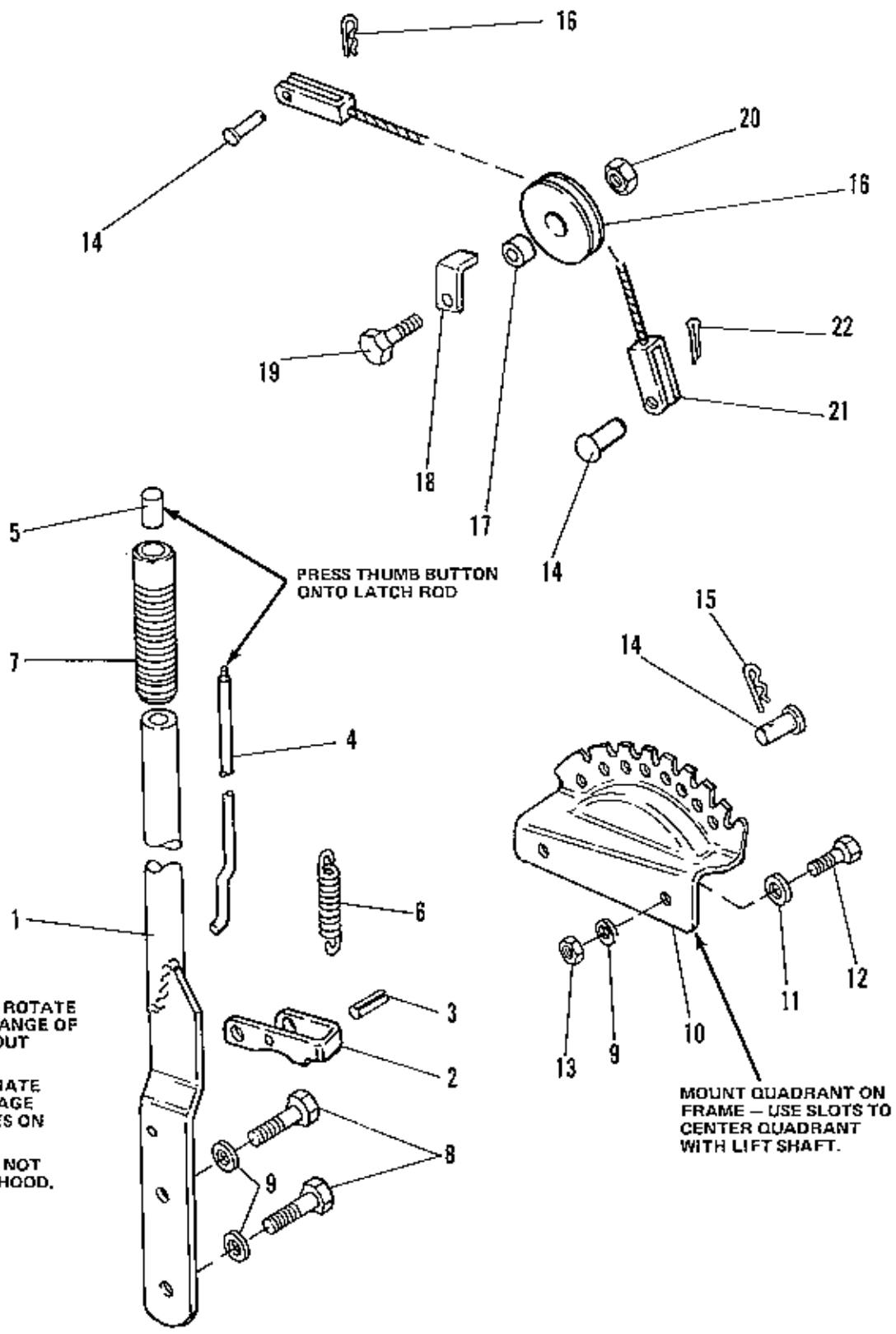
HANDLE ASSEMBLY MUST PIVOT
FREELY AFTER NUT IS TIGHTENED.

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	923428	1	{00000}-(-)	LOCKNUT, Hex, 3/8-16
5	173988	1	{00000}-(-)	CONTROL ROD ASSEMBLY
6	174686	1	{00000}-(-)	CAPSCREW, Special
7	175318	1	{00000}-(-)	SPRING
8	917372	2	{00000}-(-)	NUT, Hex, Full, 5/16-18
9	173982	1	{00000}-(-)	PULLEY
10	917402	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	4	{00000}-(-)	WASHER, 5/16
15	916950	2	{00000}-(-)	NUT, Hex, Full, 3/8-16
16	105306	1	{00000}-(-)	PULLEY
17	157081	1	{00000}-(-)	SPACER
18	170289	1	{00000}-(-)	STOP, Belt
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	917397	1	{00000}-(-)	CAPSCREW, Hex Hd., 5/16-18 x 3/4
24	923362	1	{00000}-(-)	LOCKNUT, Hex, 5/16-18



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

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174862	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	8061081	1	{00000}-{ }	KEY
10	930644	1	{00000}-{ }	LOCKNUT, Flange, 1/2-13
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



PRESS THUMB BUTTON
ONTO LATCH ROD

AFTER ASSEMBLY

1. LIFT LEVER MUST ROTATE THROUGH FULL RANGE OF QUADRANT WITHOUT BINDING.
2. LATCH MUST OPERATE FREELY AND ENGAGE WITH ALL NOTCHES ON QUADRANT.
3. LIFT LEVER MUST NOT INTERFERE WITH HOOD.

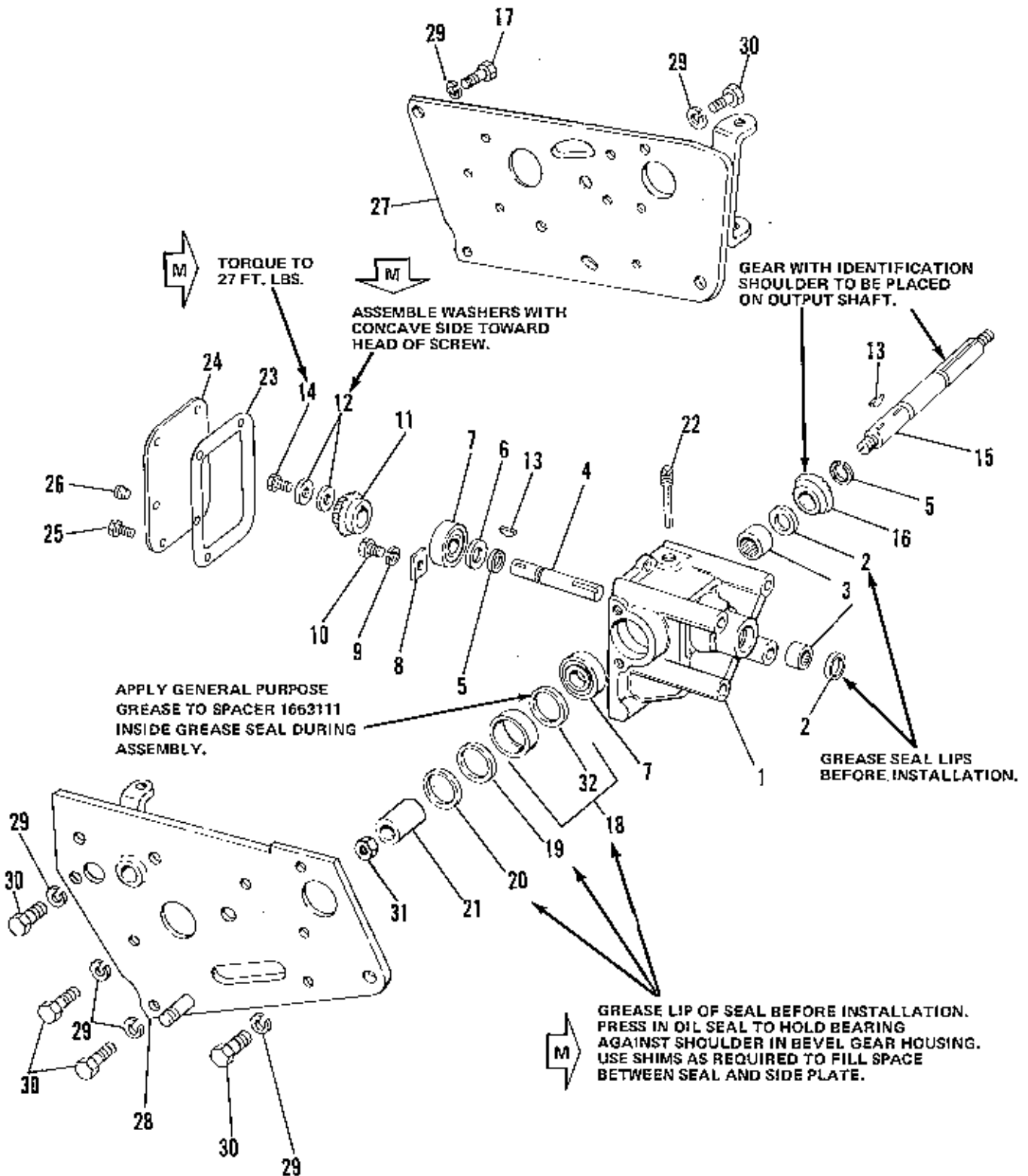
MOUNT QUADRANT ON
FRAME — USE SLOTS TO
CENTER QUADRANT
WITH LIFT SHAFT.

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

Lift Lever & Cable Group

6-77

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	921210	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
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	2	{00000}-{ }	GUARD, Cable
19	108418	1	{00000}-{ }	SCREW
20	928731	1	{00000}-{ }	LOCKNUT, Hex, Jam, 3/8-16
21	174085	1	{00000}-{ }	LIFT CABLE ASSY
22	916241	1	{00000}-{ }	PIN, Cotter, 3/32 x 7/8

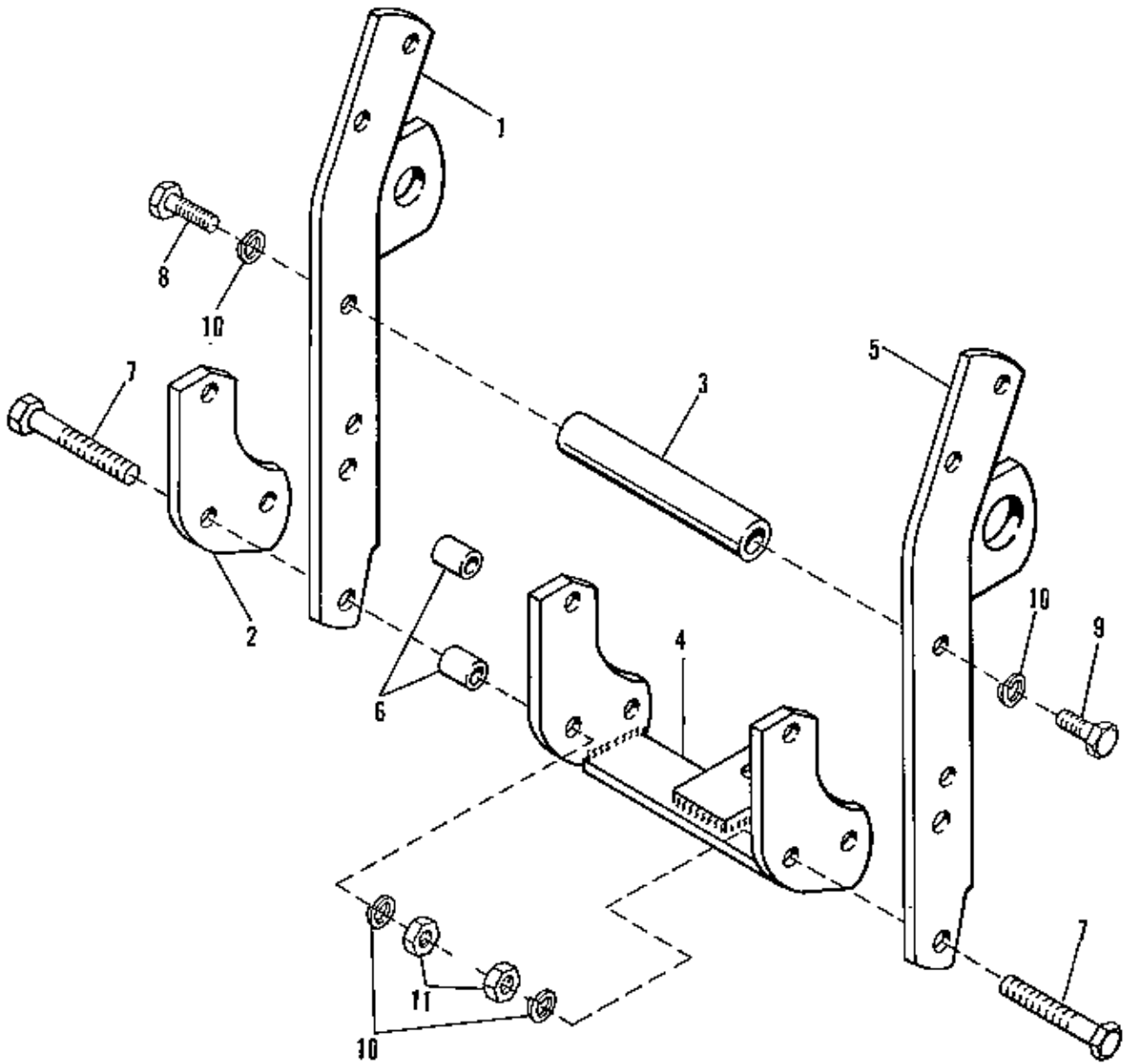


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
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Bevel Gear & Side Plate Group

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656877	1	{00000}-{ }	HOUSING, Bevel Gear
2	118117	2	{00000}-{ }	SEAL, Oil
3	164279	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	919318	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		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	171787	1	{00000}-{ }	SEAL, Oil
19	171791	1	{00000}-{ }	SHIM
20	171790	5	{00000}-{ }	SHIM
21	171792	1	{00000}-{ }	SPACER
22	178106	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	178597	1	{00000}-{ }	PLATE ASSY, Side, L.H.
28	1650414	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	922123	1	{00000}-{ }	LOCKNUT, Hex, Jam, 3/4-16
32	1663111	1	{00000}-{ }	SPACER, Oil Seal

*FOR SERVICE ORDER KIT NO. 1685054



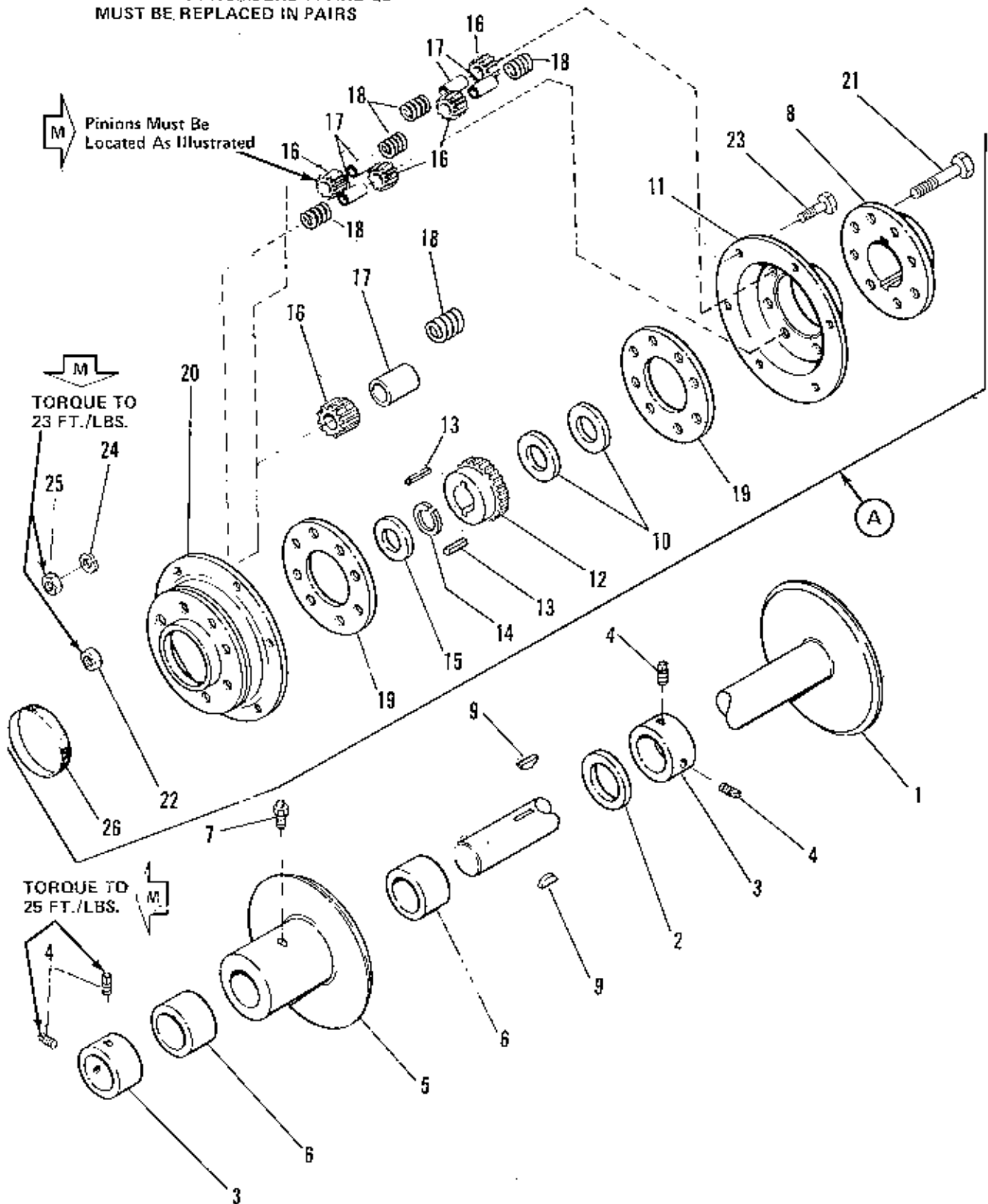
NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Draw Bar Group

10-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	166208	1	{00000}-{ }	BRAKE ASSY, Upright
2	166075	1	{00000}-{ }	PLATE
3	166110	1	{00000}-{ }	SPACER
4	166074	1	{00000}-{ }	BAR ASSY, Draw
5	166072	1	{00000}-{ }	BAR ASSY, Upright
6	1608759	2	{00000}-{ }	SPACER
7	930584	2	{00000}-{ }	CAPSCREW, Hex, 7/16-14 x 2-3/4
8	923027	1	{00000}-{ }	CAPSCREW, Hex, 7/16-14 x 1-3/4
9	920677	3	{00000}-{ }	CAPSCREW, Hex, 7/16-14 x 1-1/4
10	918199	6	{00000}-{ }	LOCKWASHER, 7/16
11	918213	4	{00000}-{ }	NUT, Hex, 7/16-14

NOTE: REFERENCE NUMBERS 11 AND 20
MUST BE REPLACED IN PAIRS



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}-{ }	HING, Spacer
20	171854	1	{00000}-{ }	COVER, Diff.
21	921972	8	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
22	923428	8	{00000}-{ }	NUT, Hex, 3/8-16
23	907727	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

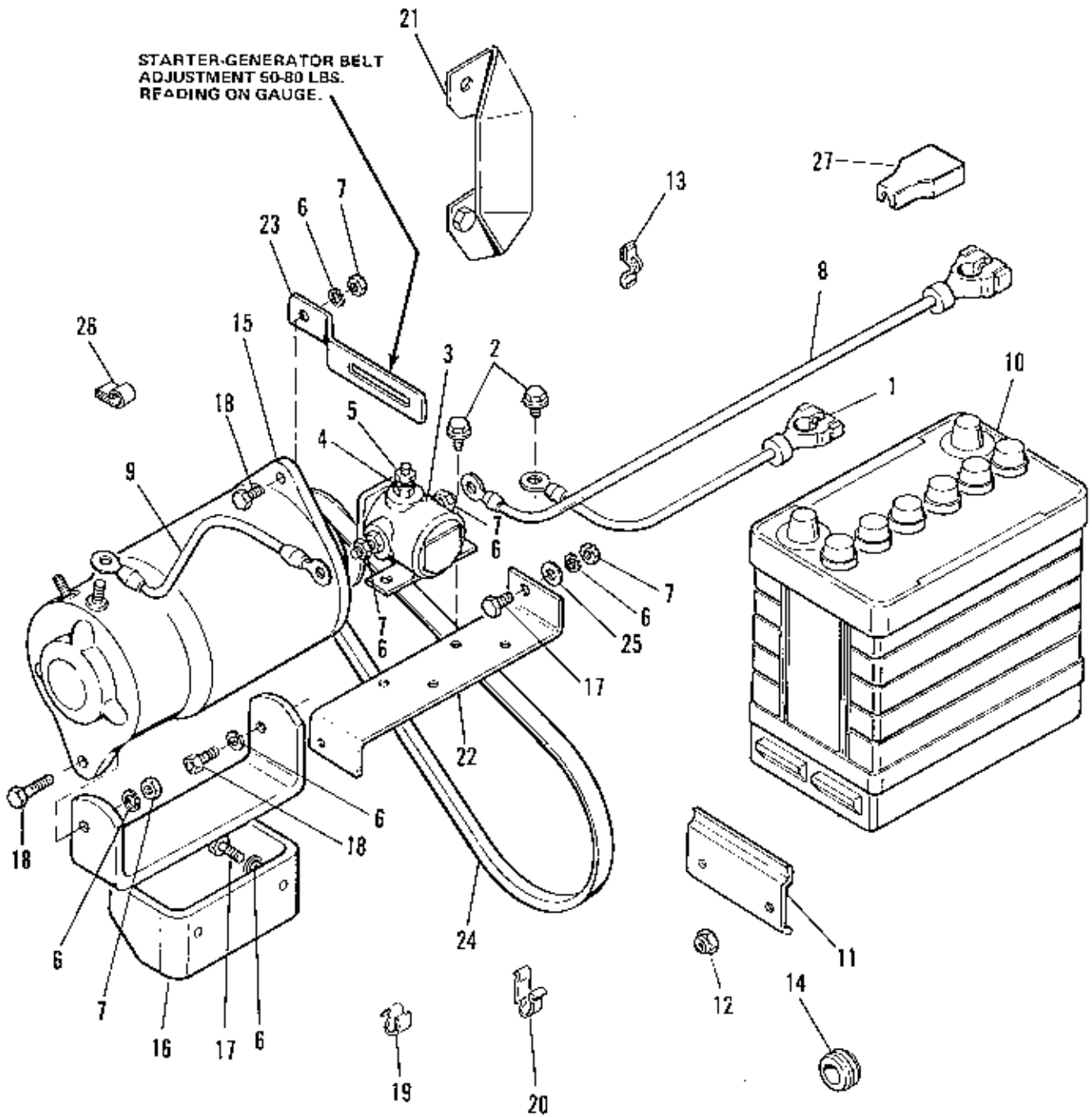
TO INSTALL AXLE & DIFFERENTIAL ASS'Y ON ITS FINAL DRIVE, PROCEED AS FOLLOWS:

1. Install Snap Ring 154268, (2) Keys 157120 and differential Sub-Ass'y 1650519 on to R.H. end of Final Drive Axle Tube Ass'y.
2. Place set collar 154065 with setscrew 928709 and washer 105050 on the Axle Shaft Ass'y. 177900 in order as listed. Insert axle shaft Ass'y with set collar and washer into Final Drive Axle Tube from L.H. end. Push Axle Shaft through Axle Tube until Woodruff Key slots are exposed on R.H. end of the Final Drive Axle Tube.
3. Install the following items in the order listed onto the R.H. end of the Axle Shaft.

a. (2) washer 171515	e. (1) washer 154277 with counter Bore over Snap Ring
b. (2) Key 930671	f. (1) Hub Ass'y 176945
c. (1) Gear 177041	g. (1) Grease Fitting 915019
d. (1) Snap Ring 154291	h. (1) Set Collar 154065 with setscrew 928709

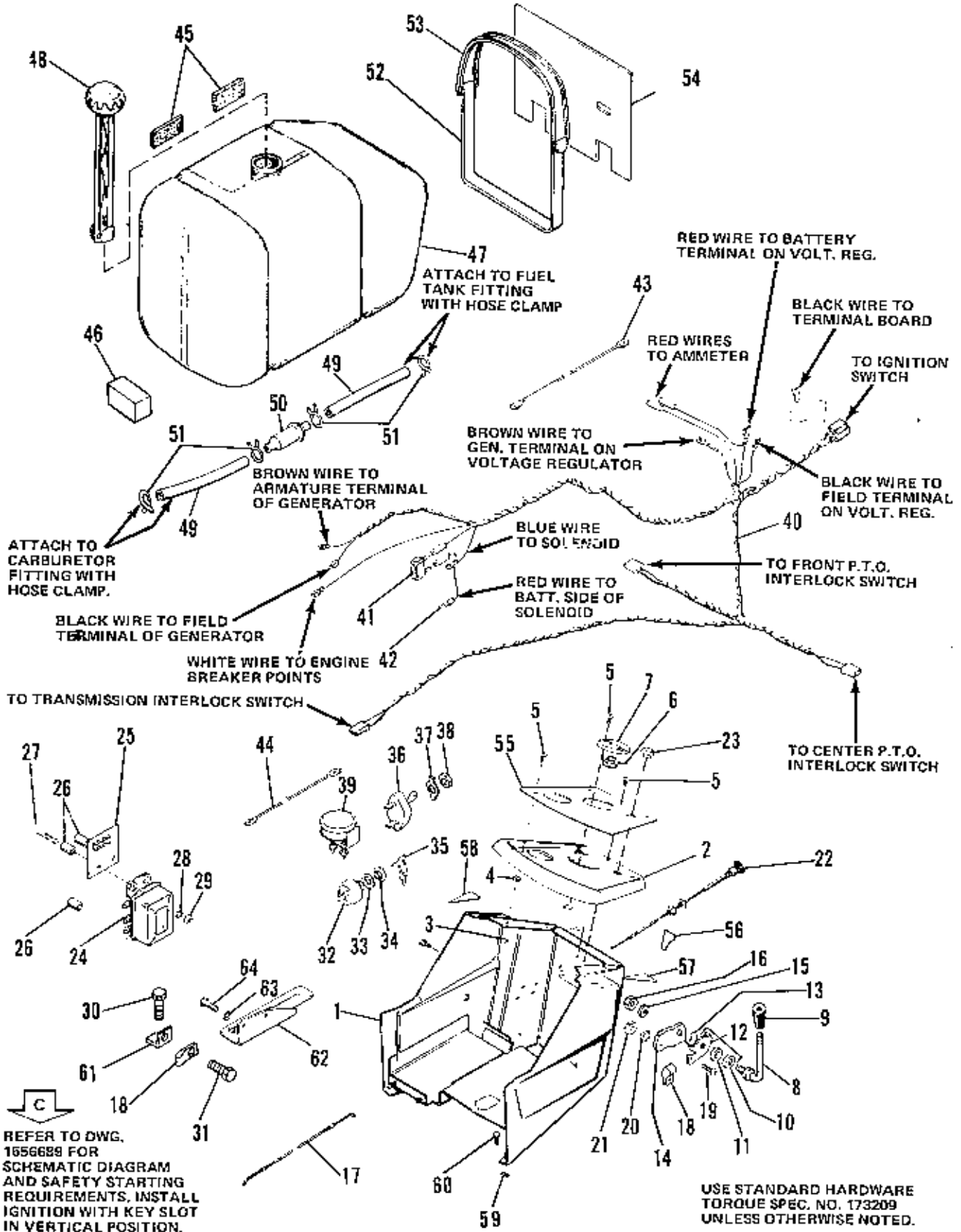
Stack item e,f,g, and h for no end play when setscrew is tightened.

4. Pull Axle Shaft Ass'y from left end to eliminate end play and compress differential seal 121190 while tightening set collar 154065 on L.H. side of Axle.

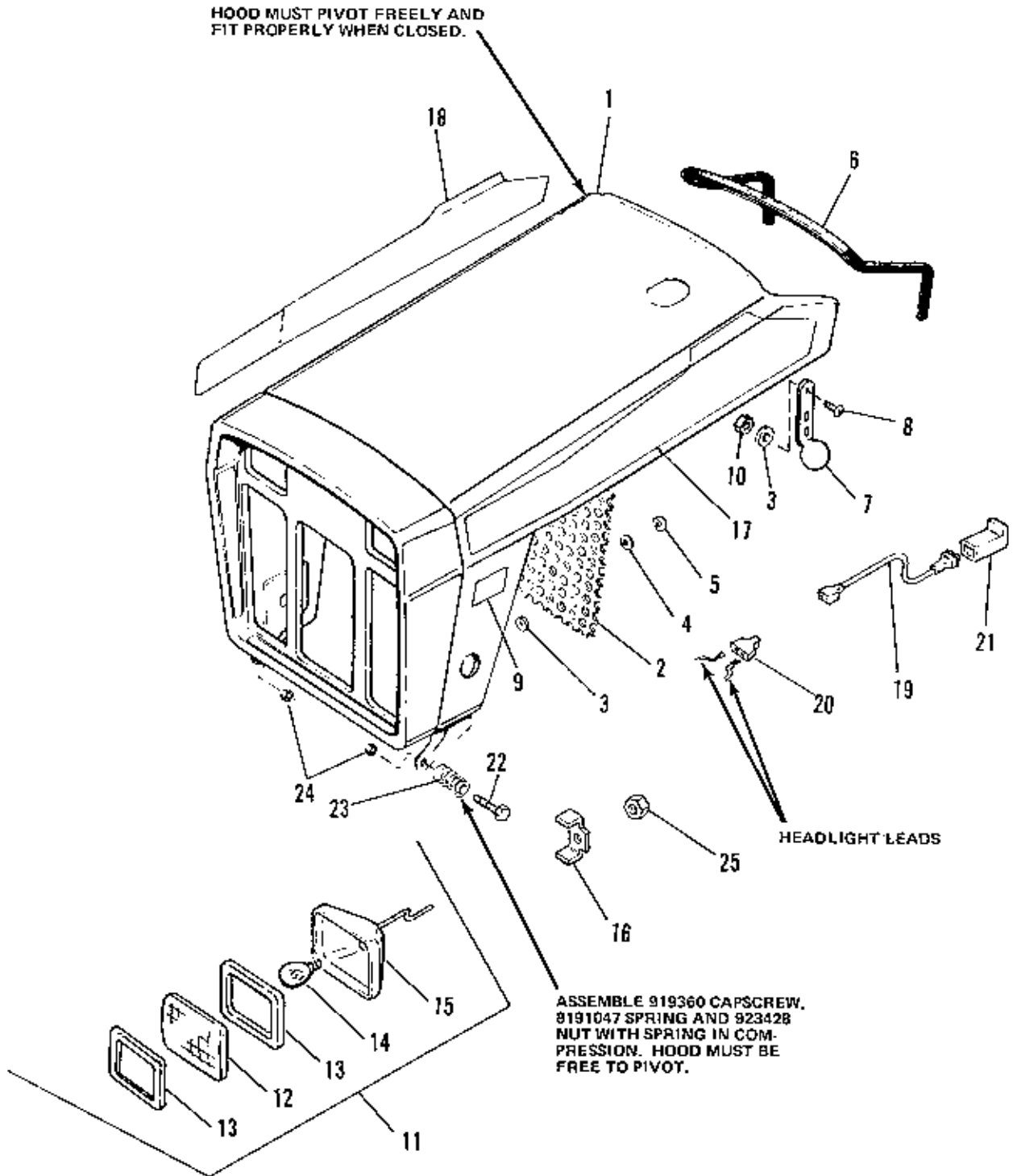


USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
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Ref. No.	Part No.	Qty.	Serial No.	Description
1	171811	1	{00000}-{ }	CABLE, Battery to Ground
2	925003	3	{00000}-{ }	SCREW, Taprise, 1/4-20 x 1/2
3	122216	1	{00000}-{ }	SOLENOID
4	922711	1	{00000}-{ }	LOCKWASHER, No. 10
5	917415	1	{00000}-{ }	NUT, Hex, No. 10-32
6	917356	8	{00000}-{ }	LOCKWASHER, 5/16
7	917372	5	{00000}-{ }	NUT, Hex, 5/16-18
8	1651193	1	{00000}-{ }	CABLE, Battery to Solenoid
9	122213	1	{00000}-{ }	CABLE, Solenoid to Start
10	1685058	1	{00000}-{ }	BATTERY
11	171225	1	{00000}-{ }	CLAMP
12	924433	2	{00000}-{ }	NUT, Elastic, 5/16-18
13	176912	2	{00000}-{ }	CLIP, Wire
14	172175	1	{00000}-{ }	GROMMET
15	122236	1	{00000}-{ }	MOTOR, Generator
16	157654	1	{00000}-{ }	SUPPORT ASSEMBLY
17	921332	3	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	921977	3	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
19	172434	2	{00000}-{ }	CLIP, Tinnerman
20	172435	2	{00000}-{ }	CLIP, Tinnerman
21	1655907	1	{00000}-{ }	PULLEY GUARD ASSEMBLY
22	1656452	1	{00000}-{ }	BRACKET
23	157102	1	{00000}-{ }	ARM, Adjusting
24	157524	1	{00000}-{ }	BELT, V Gen.
25	917642	1	{00000}-{ }	WASHER, 5/16
26	105785	1	{00000}-{ }	CLIP, Cable
27	1657339	1	{00000}-{ }	PROTECTOR, Terminal

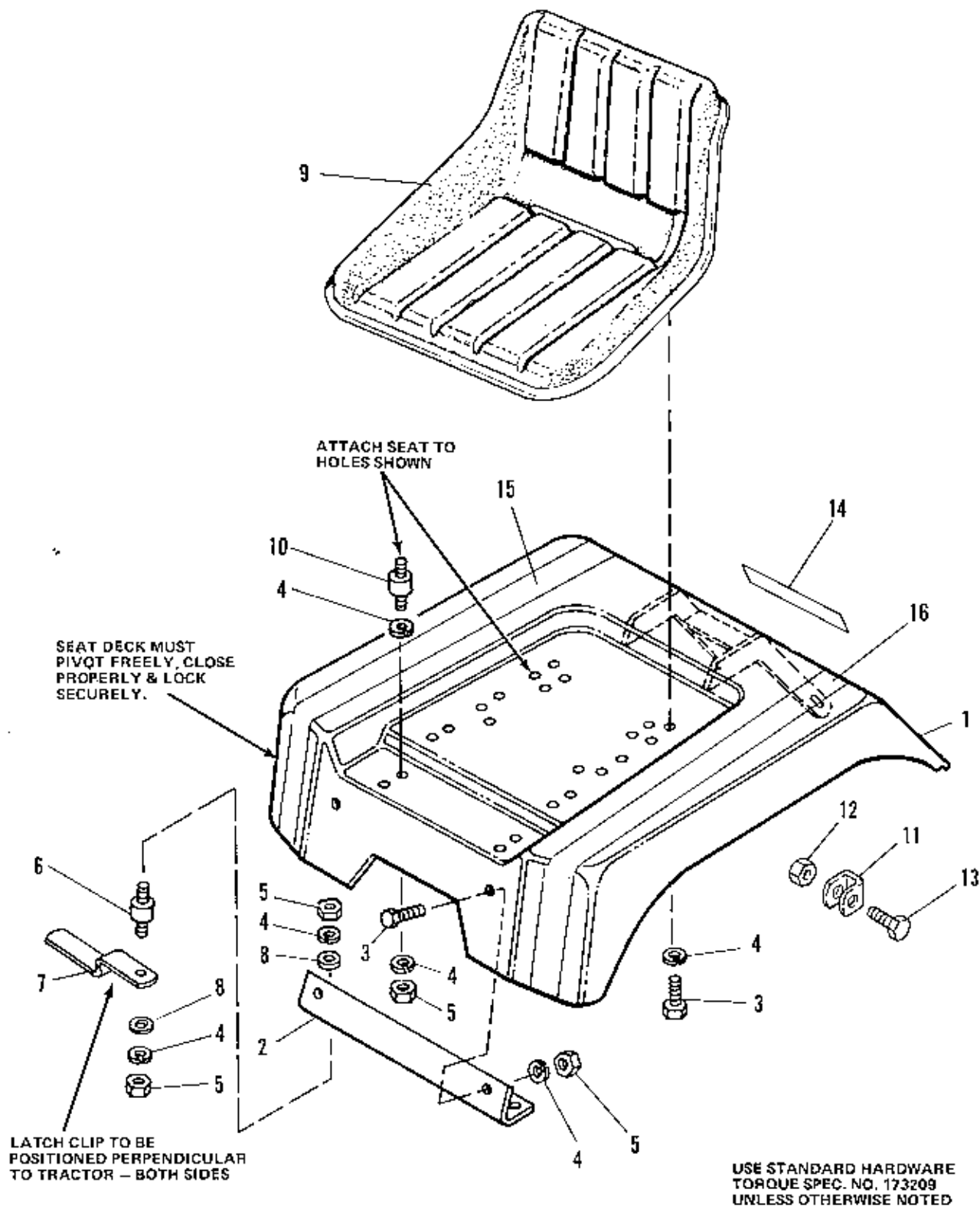


Ref. No.	Part No.	Qty.	Serial No.	Description
1	1650420	1	{00000}-{	DASH ASSEMBLY
2	1651000	1	{00000}-{	PANEL, Instrument
3	917887	6	{00000}-{	NUT, Retainer, Tinn.
4	916965	4	{00000}-{	WASHER, Plain, 3/16
5	926025	6	{00000}-{	SCREW, Mach. Rd. Hd., 1/4-20 x 1/2
6	167077	1	{00000}-{	BUSHING
7	172008	1	{00000}-{	PLATE STEERING, Adj.
8	1651170	1	{00000}-{	HANDLE, Clutch Control
9	172038	1	{00000}-{	KNOB, Tapered
10	101025	1	{00000}-{	WASHER
11	156116	1	{00000}-{	WASHER
12	103280	1	{00000}-{	STOP, Throttle Kit (inc. ref. 10,11)
13	159107	1	{00000}-{	WASHER
14	158424	1	{00000}-{	ARM, Throttle
15	930665	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	122193	1	{00000}-{	REGULATOR, Voltage
25	1651128	1	{00000}-{	BOARD, Terminal
26	106132	3	{00000}-{	SPACER
27	919316	3	{00000}-{	CAPSCREW, Hex Hd., 1/4-20 x 1-3/4
28	921880	3	{00000}-{	LOCKWASHER, Shakerproof, 1/4
29	916622	3	{00000}-{	NUT, Hex, 1/4-20
30	925391	1	{00000}-{	SCREW, Hex Hd., 1/4-20 x 5/8
31	929477	1	{00000}-{	SCREW, Tapite, No. 10-24 x 1/2
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	1651104	1	{00000}-{	HARNES 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
45	106582	2	{00000}-{	GASKET, Felt
46	173335	1	{00000}-{	PAD, Fuel Tank
47	171115	1	{00000}-{	TANK, Fuel
48	171252	1	{00000}-{	CAP, Fuel Tank
49	1655313	2	{00000}-{	HOSE, Fuel
50	173206	1	{00000}-{	FILTER, Fuel
51	932848	4	{00000}-{	CLAMP, Hose
52	171330	2	{00000}-{	STRAP, Tank
53	172744	2	{00000}-{	STRAP, Fuel Tank
54	172119	1	{00000}-{	INSULATION, Fuel Tank
55	1651101	1	{00000}-{	DECAL, Instrument Panel
56	1657090	1	{00000}-{	DECAL, Ignition
57	1657136	1	{00000}-{	DECAL, Throttle Control
58	1657147	1	{00000}-{	DECAL, Hydrostatic Control
59	928703	7	{00000}-{	NUT, Speed, Tinn.
60	930561	10	{00000}-{	SCREW, Hex Hd. Thd. Forming, No. 14 x 3/4
61	1656453	1	{00000}-{	BRACKET, Cable
62	1650360	1	{00000}-{	QUADRANT
63	920426	2	{00000}-{	LOCKWASHER, External Tooth, 5/16
64	172157	2	{00000}-{	SCREW, Special



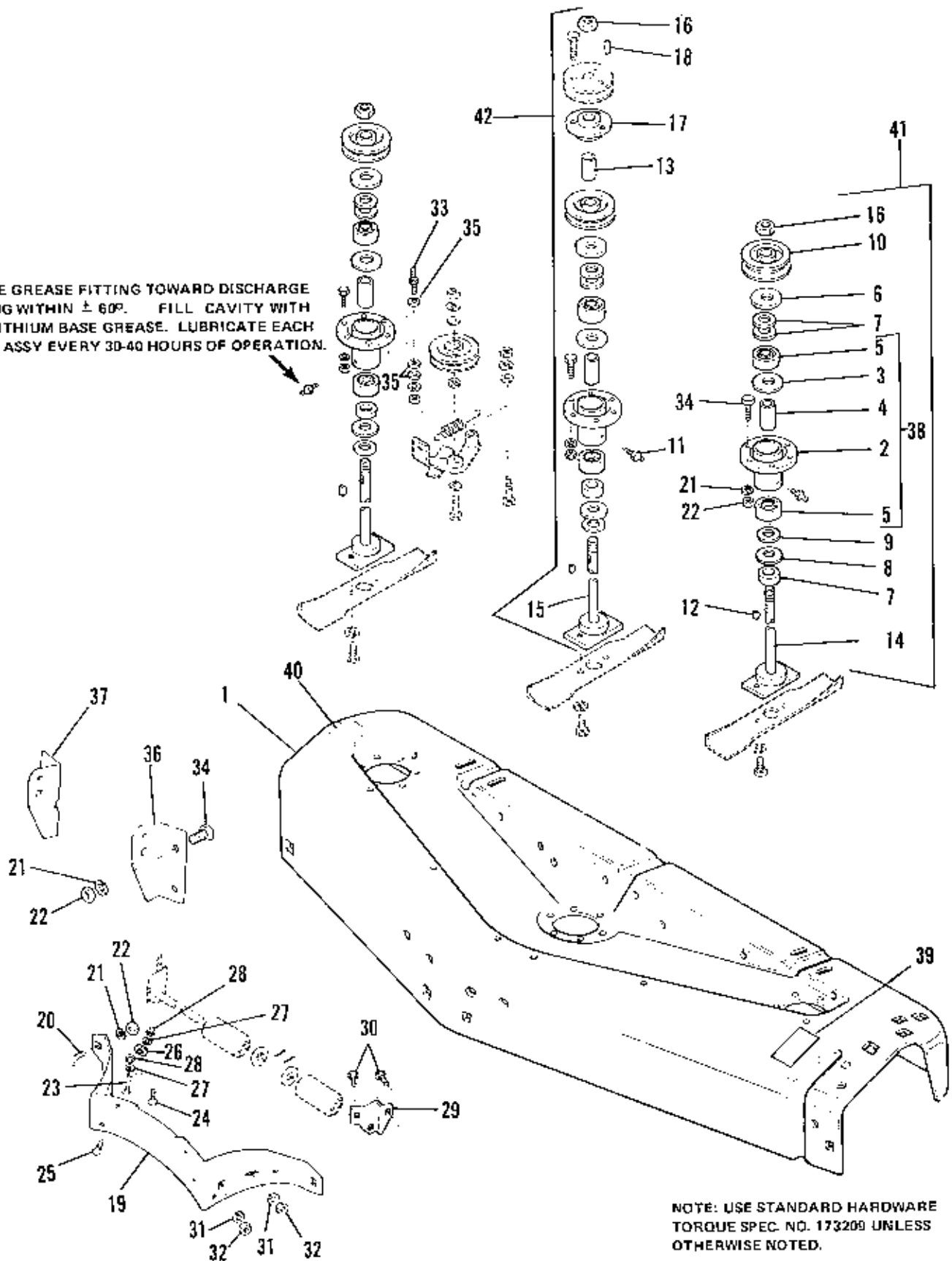
USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656400	1	{00000}-{ }	HOOD & GRILLE ASSEMBLY
2	1656587	1	{00000}-{ }	SCREEN, Grille
3	171804	4	{00000}-{ }	WASHER, Special
4	922711	4	{00000}-{ }	LOCKWASHER, Ext. Tooth, No. 10
5	916621	4	{00000}-{ }	NUT, Hex, Mach., No. 10-24
6	172935	1	{00000}-{ }	MOULDING, Hood
7	171600	2	{00000}-{ }	STRAP, Hood
8	930531	2	{00000}-{ }	SCREW, Truss Hd., No. 10-32 x 1/2
9	1657146	2	{00000}-{ }	DECAL, Hydro (7016)
10	930627	2	{00000}-{ }	LOCKNUT, Hex, No. 10-32
11	1656935	2	{00000}-{ }	LIGHT ASSEMBLY
12	1656933	1	{00000}-{ }	LENS
13	1654862	2	{00000}-{ }	GASKET
14		1	{00000}-{ }	BULB, No. 1293
15	1654664	1	{00000}-{ }	SOCKET
16	1656881	4	{00000}-{ }	CLIP
17	1657117	1	{00000}-{ }	DECAL, L.H. Hood, Sovereign (7016)
18	1657116	1	{00000}-{ }	DECAL, R.H. Hood, Sovereign (7016)
19	1657047	1	{00000}-{ }	WIRE ASSEMBLY
20	172100	1	{00000}-{ }	BODY, Connector
21	122182	1	{00000}-{ }	CONNECTOR, Insulated
22	919360	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
23	8191047	2	{00000}-{ }	SPRING
24	923428	2	{00000}-{ }	NUT, Hex, 3/8-16
25	932854	4	{00000}-{ }	LOCKNUT, Hex, Mach.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	166111	1	{00000}{-()	SEAT, Deck
2	164029	1	{00000}{-()	BRACKET, Frt. Seat Deck
3	919318	4	{00000}{-()	CAPSCREW, 5/16-18 x 5/8
4	917356	10	{00000}{-()	LOCKWASHER, 5/16
5	917372	8	{00000}{-()	NUT, Hex, Full, 5/16-18
6	157094	2	{00000}{-()	CONNECTOR, Cushion
7	1606823	2	{00000}{-()	CLIP
8	917377	4	{00000}{-()	WASHER, 1/4
9	1657309	1	{00000}{-()	SEAT
10	159085	2	{00000}{-()	CONNECTOR, Cushion
11	1607870	1	{00000}{-()	STOP, Seat Deck
12	923428	2	{00000}{-()	LOCKNUT, Hex, 3/8-16
13	917400	2	{00000}{-()	CAPSCREW, Hex, 3/8-16 x 1-1/4
14	153166	1	{00000}{-()	DECAL, Simplicity
15	1657282	1	{00000}{-()	DECAL, Strip R.H.
16	1657283	1	{00000}{-()	DECAL, Strip L.H.

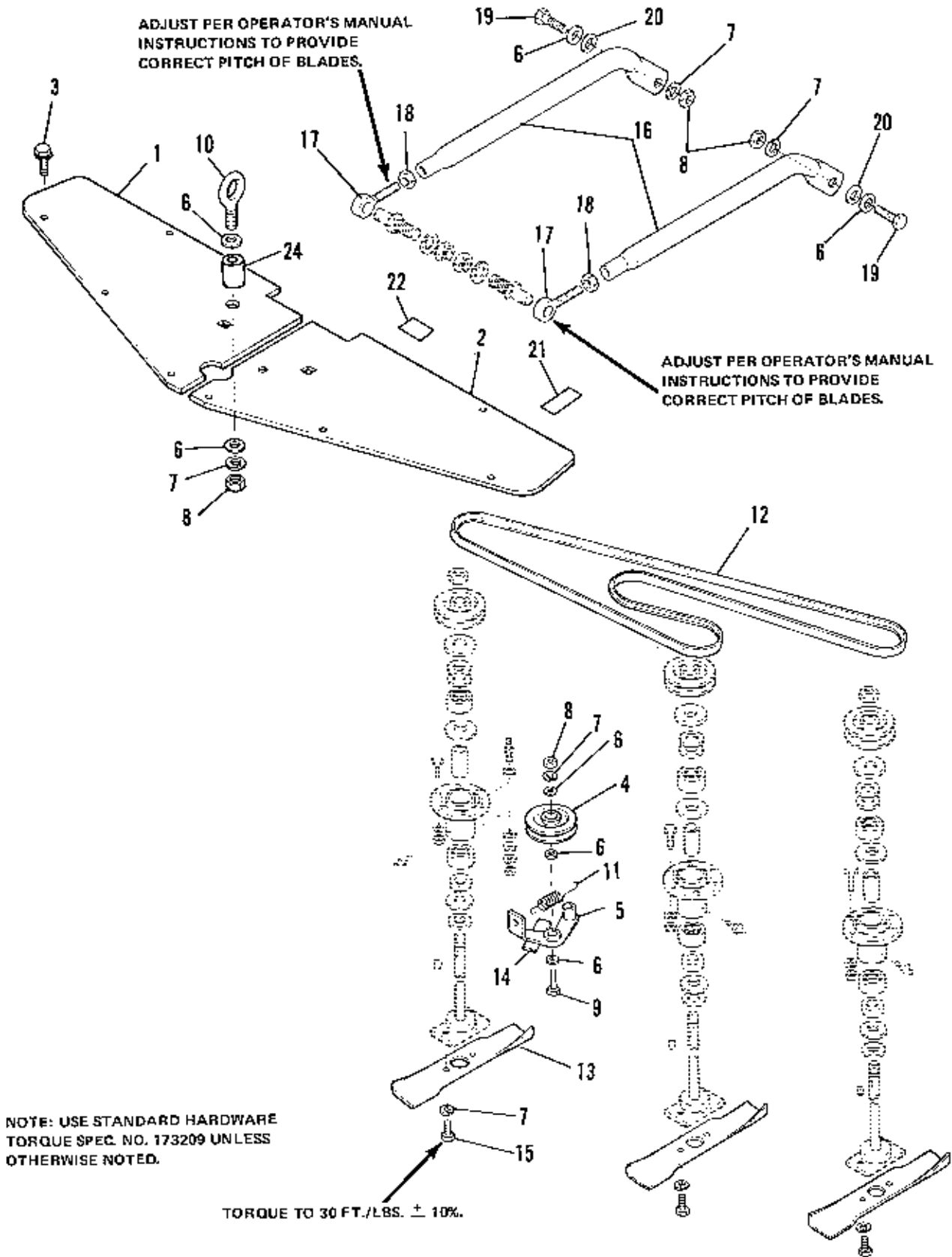
ROTATE GREASE FITTING TOWARD DISCHARGE
OPENING WITHIN $\pm 60^\circ$. FILL CAVITY WITH
NO. 2 LITHIUM BASE GREASE. LUBRICATE EACH
ARBOR ASSY EVERY 30-40 HOURS OF OPERATION.



42" Housing & Arbor Group

10-76

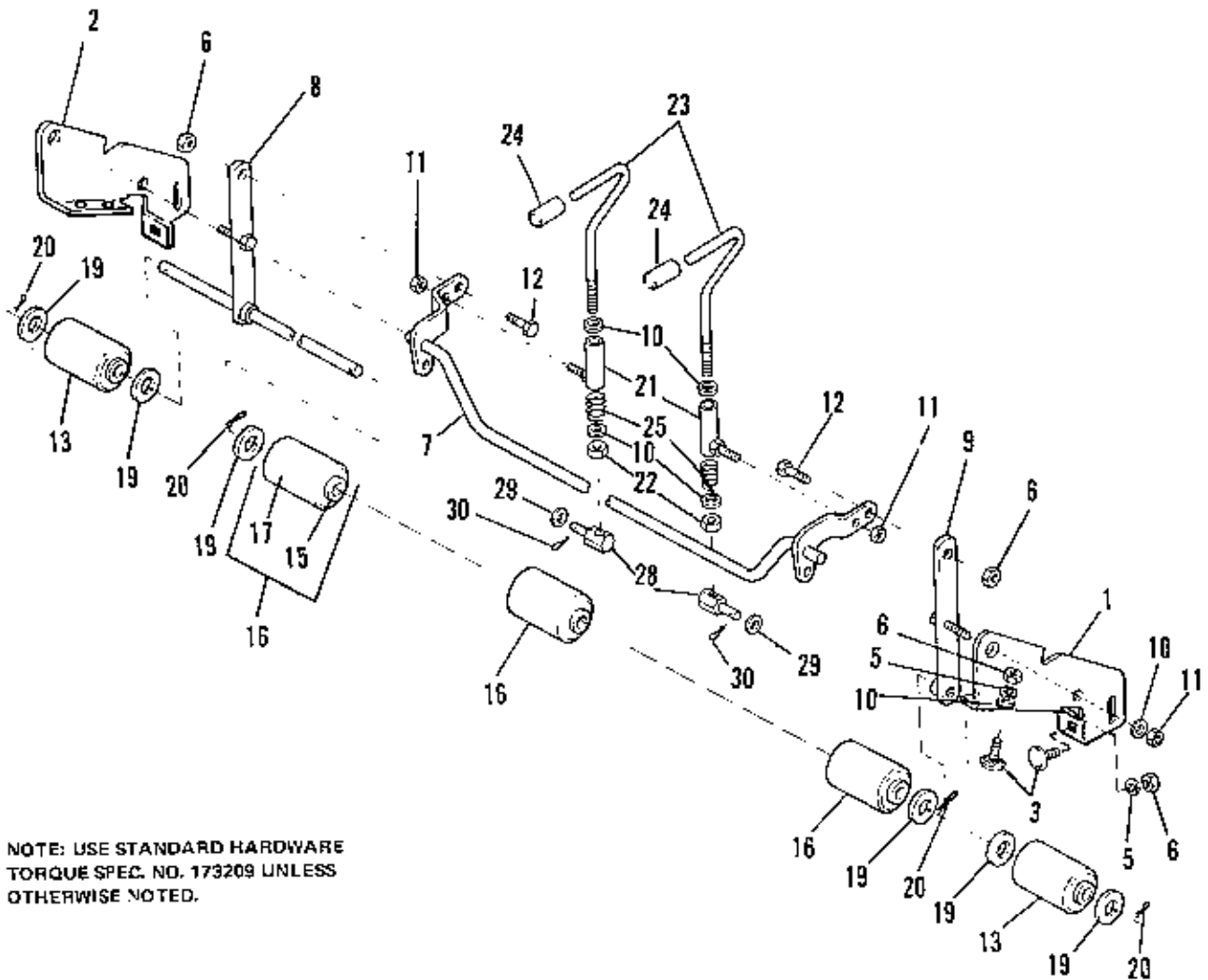
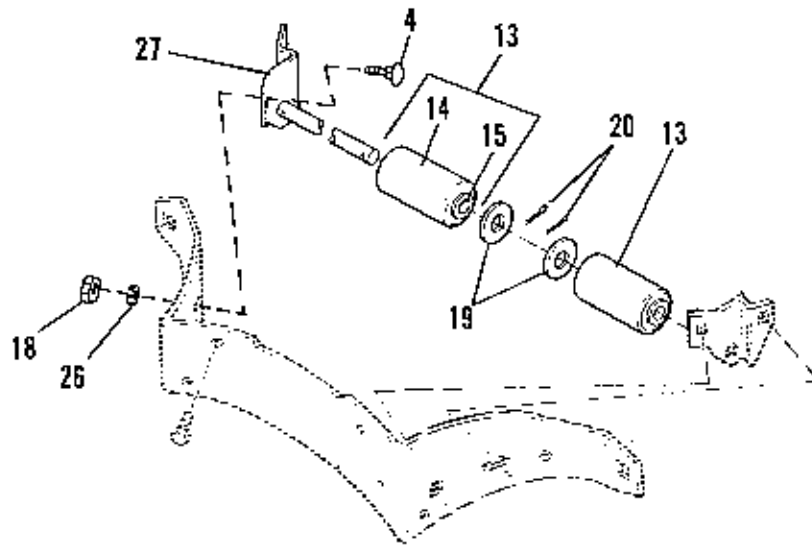
Ref. No.	Part No.	Qty.	Serial No.	Description
1	103302	1	{00000}-{ }	HOUSING, 42"
2	108679	3	{00000}-{ }	TUBE ASSY
3	108134	3	{00000}-{ }	BACKING RING
4	108201	3	{00000}-{ }	SPACER
5	108202	6	{00000}-{ }	BEARING
6	108139	3	{00000}-{ }	FLINGER
7	108181	9	{00000}-{ }	WASHER
8	108257	3	{00000}-{ }	WASHER
9	108472	3	{00000}-{ }	WASHER
10	177005	3	{00000}-{ }	PULLEY
11	913958	3	{00000}-{ }	FITTING, Grease
12	918312	3	{00000}-{ }	KEY, Woodruff, 3/16 x 5/8
13	108435	1	{00000}-{ }	SPACER
14	108250	1	{00000}-{ }	ARBOR ASSY, Outer
15	177499	1	{00000}-{ }	ARBOR ASSY, Center
16	922133	3	{00000}-{ }	NUT, Full Hex Lock, 3/4-16
17	1651404	1	{00000}-{ }	HUB, Pulley
18	157332	1	{00000}-{ }	KEY
19	108361	1	{00000}-{ }	BAFFLE
20	922110	2	{00000}-{ }	CARRIAGE BOLT, 3/8-16 x 3/4
21	916965	24	{00000}-{ }	LOCKWASHER, 3/8
22	916950	24	{00000}-{ }	NUT, Hex Full, 3/8-16
23	108186	2	{00000}-{ }	CLIP, Baffle
24	922125	2	{00000}-{ }	SCREW, Self-Tapping, 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	916984	4	{00000}-{ }	LOCKWASHER, 1/4
28	916622	4	{00000}-{ }	NUT, Hex Full, 1/4-20
29	108224	1	{00000}-{ }	BRACKET, L.H. Roller
30	923346	2	{00000}-{ }	CARRIAGE BOLT., 5/16-18 x 3/4
31	917356	2	{00000}-{ }	LOCKWASHER, 5/16
32	917372	2	{00000}-{ }	NUT, Hex, 5/16-18
33	156131	1	{00000}-{ }	STUD
34	921965	21	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 3/4
35	917542	3	{00000}-{ }	WASHER, Plain, 5/16
36	1651499	1	{00000}-{ }	BRACKET, L.H.
37	1651500	1	{00000}-{ }	BRACKET, R.H.
38	1650533	3	{00000}-{ }	BEARING & TUBE ASSY
39	176719	1	{00000}-{ }	DECAL, Danger
40	176720	1	{00000}-{ }	DECAL, Caution
41	103229	1	{00000}-{ }	ARBOR KIT, Side
42	103233	1	{00000}-{ }	ARBOR KIT, Center



42" Cover Drive & Bail Group

10-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172049	1	{00000}-{ }	COVER, R.H.
2	172414	1	{00000}-{ }	COVER, L.H.
3	929000	12	{00000}-{ }	SCREW, Hex Hd., Self-Tapping, 1/4-20 x 3/8
4	108386	1	{00000}-{ }	PULLEY, Idler
5	108416	1	{00000}-{ }	LEVER ASSY, Idler
6	917642	7	{00000}-{ }	WASHER, Plain, 5/16
7	916965	10	{00000}-{ }	LOCKWASHER, 3/8
8	916950	4	{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	154369	1	{00000}-{ }	SPRING
12	108209	1	{00000}-{ }	"V" BELT, Blade Drive
13	108298	3	{00000}-{ }	BLADE
14	158450	1	{00000}-{ }	GASKET, Felt
15	922586	6	{00000}-{ }	CAPSCREW, Hex Hd, 3/8-16 x 5/8
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	153073	2	{00000}-{ }	SPACER
21	176151	1	{00000}-{ }	FILM, Safety
22	174845	1	{00000}-{ }	FILM, Belt Installation
24	8171073	1	{00000}-{ }	RACE, Inner

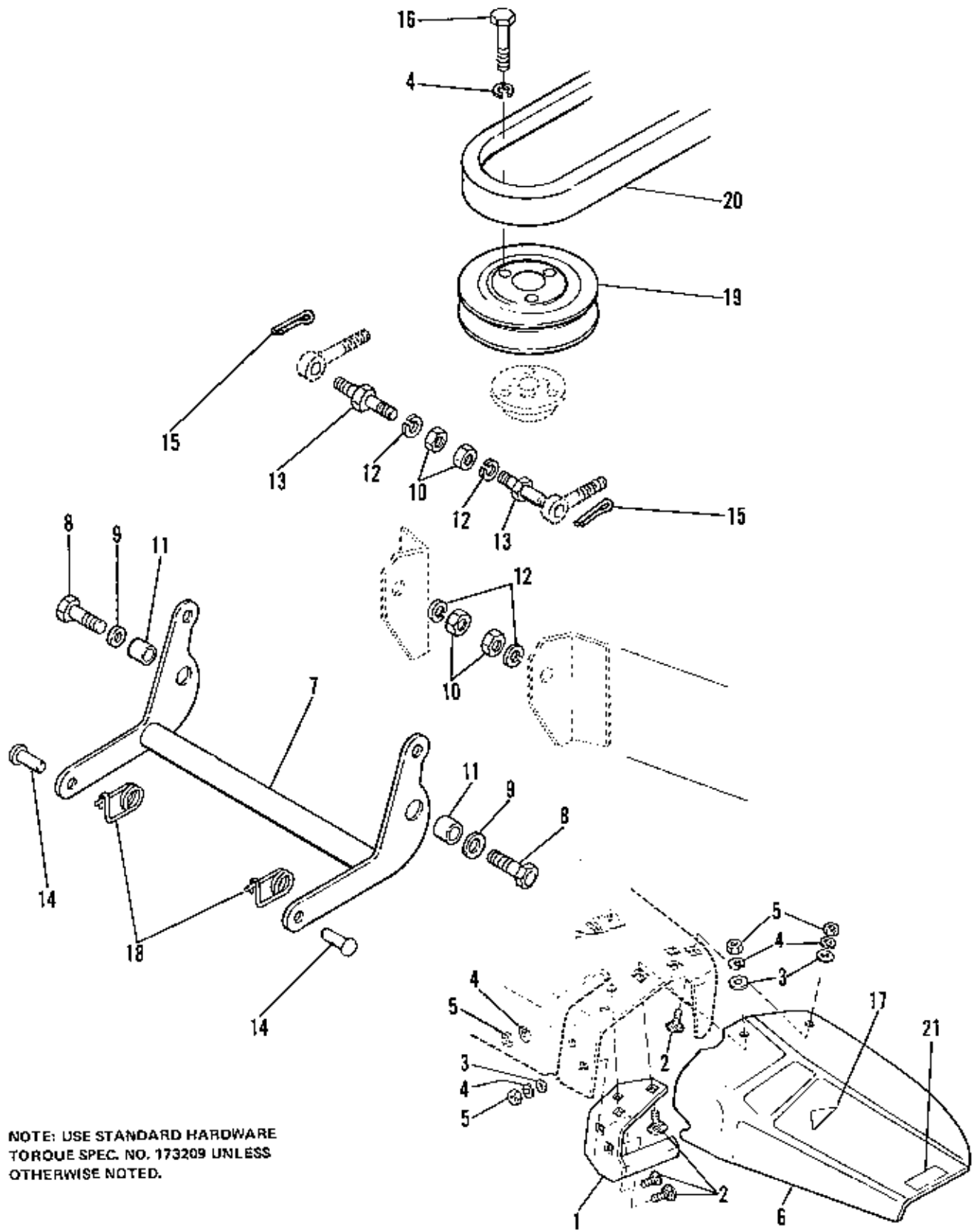


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 179209 UNLESS
OTHERWISE NOTED.

42" Height Adjustment & Roller Group

10-76

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	923347	4	{00000}-{ }	CARRIAGE BOLT, 3/8-16 x 3/4
4	923348	2	{00000}-{ }	CARRIAGE BOLT, 5/16-18 x 3/4
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	171958	1	{00000}-{ }	SHAFT ASSY, Roller
9	172412	1	{00000}-{ }	BAR ASSY, Roller
10	917378	6	{00000}-{ }	WASHER, Plain, 3/8
11	923428	4	{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		4	{00000}-{ }	ROLLER
15	108419	14	{00000}-{ }	BUSHING
16	108432	3	{00000}-{ }	ROLLER ASSY
17		3	{00000}-{ }	ROLLER
18	917372	2	{00000}-{ }	NUT, Hex Full, 5/16-18
19	177351	6	{00000}-{ }	WASHER, Plain, 5/8
20	918458	8	{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
29	917842	2	{00000}-{ }	WASHER, Plain, 5/16
30	922000	2	{00000}-{ }	PIN, Cotter, 3/32 x 5/8

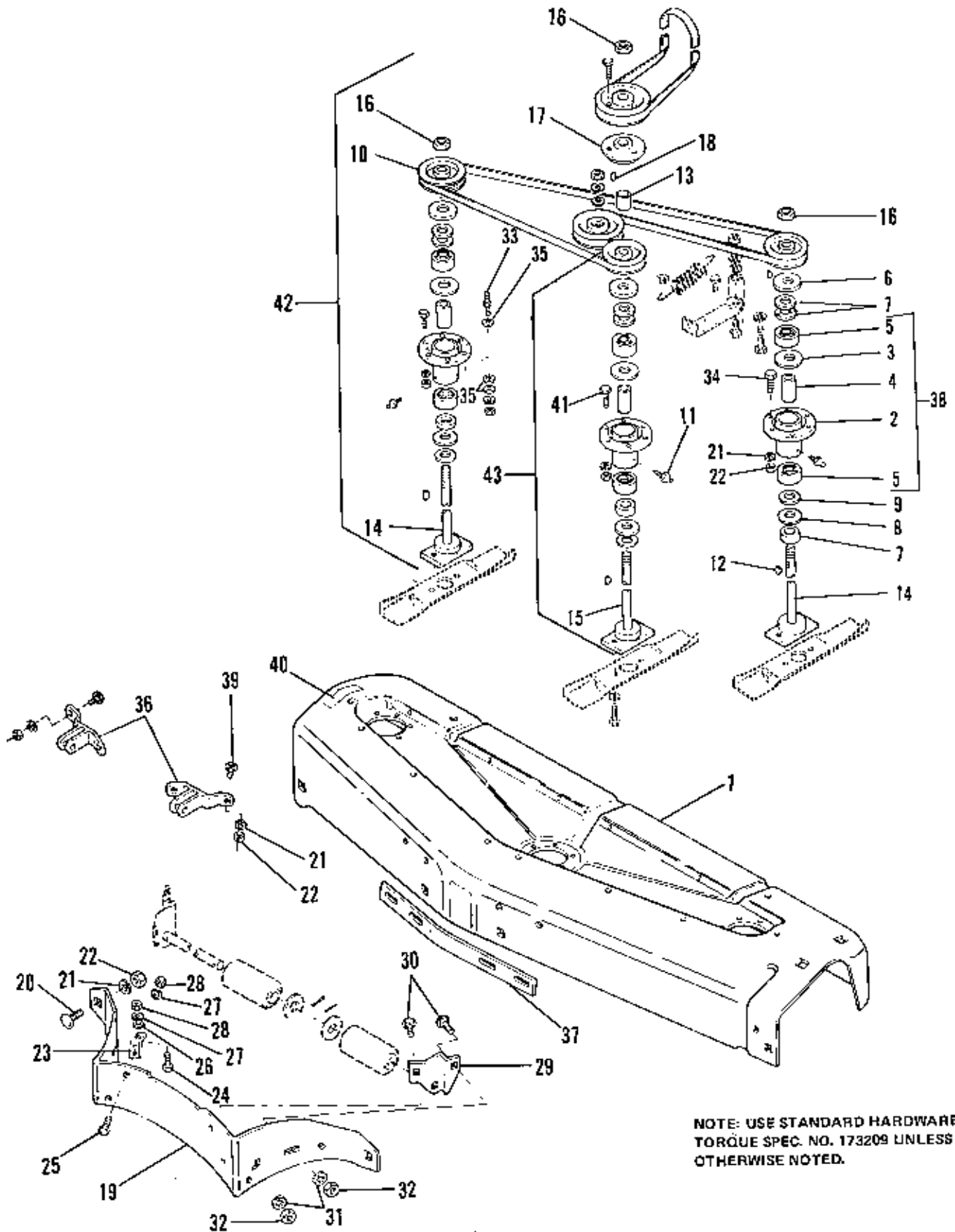


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

42' Deflector, Stone Guard & Rocker Arm Group

10-76

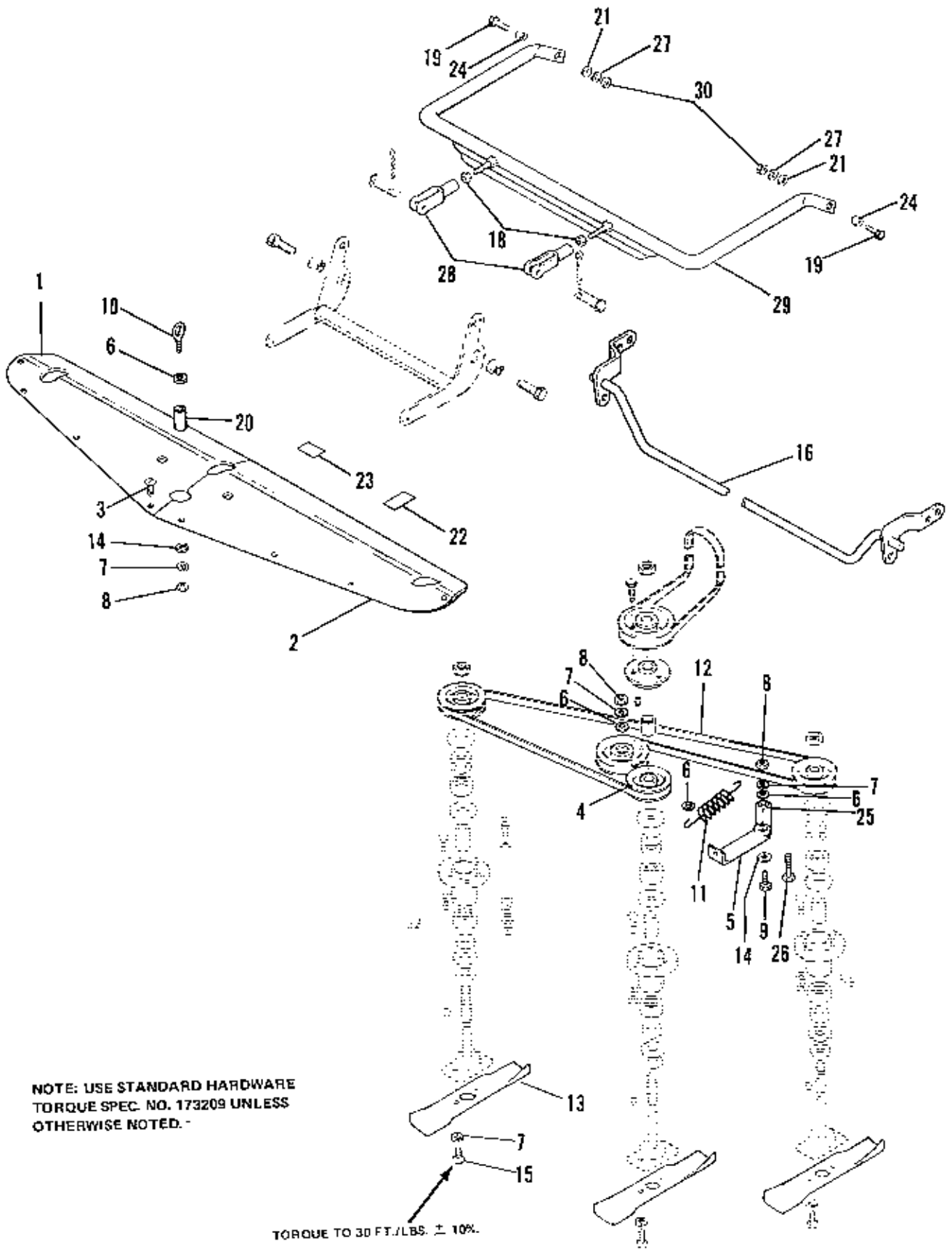
Ref. No.	Part No.	Qty.	Serial No.	Description
1	174167	1	{00000}-(-)	GUARD ASSY, Stone
2	922109	4	{00000}-(-)	CARRIAGE BOLT, 3/8-16 x 1-1/4
3	8161199	3	{00000}-(-)	WASHER, Speical
4	916965	7	{00000}-(-)	LOCKWASHER, 3/8
5	916950	4	{00000}-(-)	NUT, Hex Full, 3/8-16
6	1651177	1	{00000}-(-)	DEFLECTOR
7	172488	1	{00000}-(-)	ROCKER ARM ASSY
8	917279	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, Pivor
14	118053	2	{00000}-(-)	PIN
15	918452	2	{00000}-(-)	PIN, Cotter, 1/8 x 1
16	922606	3	{00000}-(-)	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
17		1	{00000}-(-)	DECAL, OPEI
18	176012	2	{00000}-(-)	CLIP, Safety Pin
19	174189	1	{00000}-(-)	PULLEY
20	176439	1	{00000}-(-)	"V" BELT, PTO
21	176719	1	{00000}-(-)	DECAL, Danger



48" Housing & Arbor Group

10-76

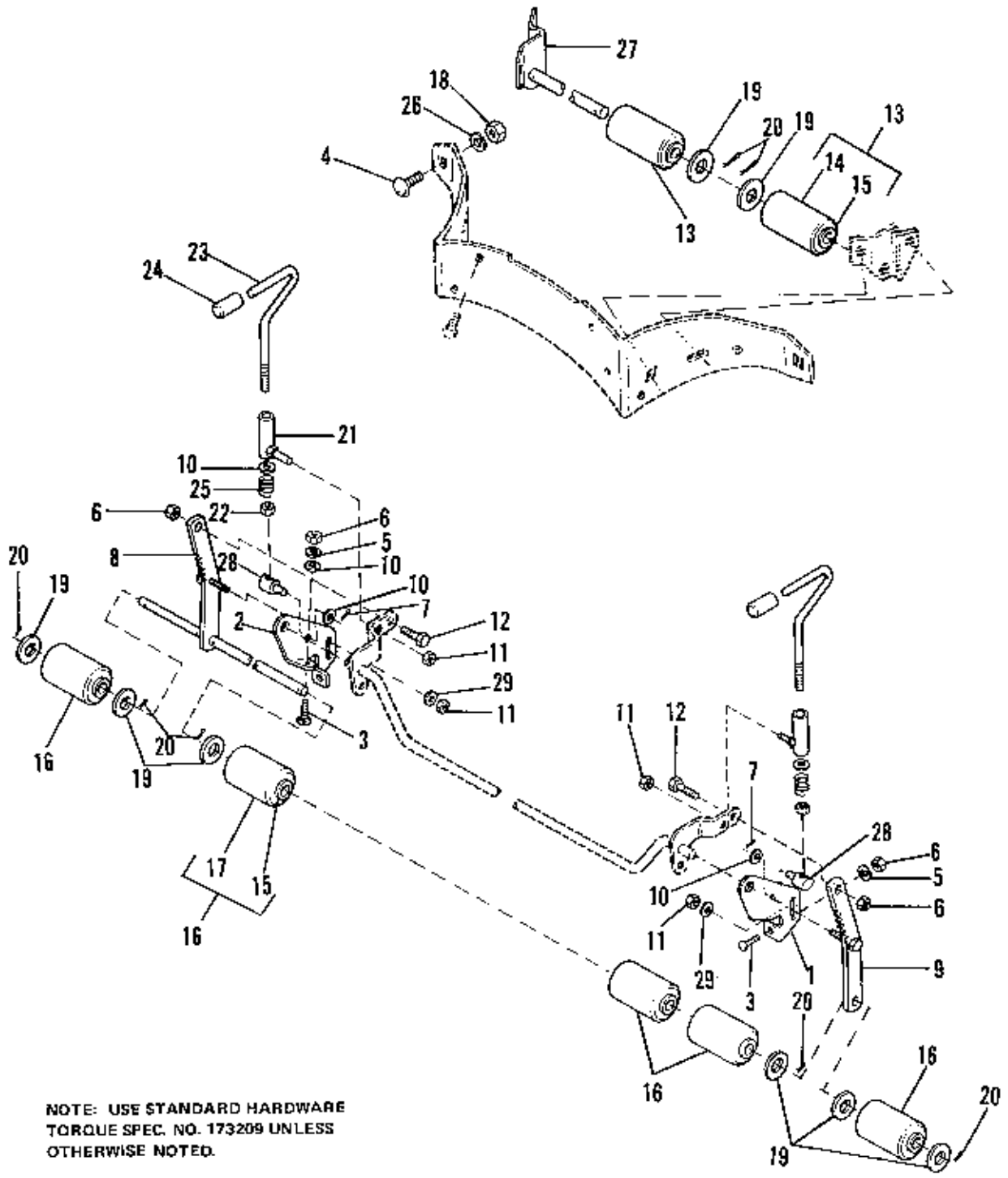
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1651183	1	{00000}-[]	HOUSING, 48"
2	108678	3	{00000}-[]	TUBE SUB-ASSY
3	108134	3	{00000}-[]	RING, Backing
4	108201	3	{00000}-[]	SPACER
5	108202	6	{00000}-[]	BEARING, Ball
6	108139	3	{00000}-[]	FLINGER
7	108181	9	{00000}-[]	WASHER
8	108257	3	{00000}-[]	WASHER
9	108472	3	{00000}-[]	WASHER
10	177005	3	{00000}-[]	PULLEY
11	913958	3	{00000}-[]	FITTING, Lube, Drive Type, 1/4
12	918312	3	{00000}-[]	KEY, Woodruff, No. 61, 3/16 x 5/8
13	108436	1	{00000}-[]	SPACER
14	108250	2	{00000}-[]	ARBOR ASSY
15	177499	1	{00000}-[]	ARBOR ASSY, Drive
16	922133	3	{00000}-[]	NUT, Hex Lock, 3/4-16
17	1651404	1	{00000}-[]	HUB, Pulley
18	157332	1	{00000}-[]	KEY
19	108453	1	{00000}-[]	BAFFLE
20	922110	2	{00000}-[]	BOLT, Rd. Hd., 3/8-16 x 3/4
21	916965	24	{00000}-[]	LOCKWASHER, Spring, 3/8
22	916950	24	{00000}-[]	NUT, Hex, 1/4-20
23	108188	2	{00000}-[]	CLIP, Baffle
24	922125	2	{00000}-[]	SCREW, Thread 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, Spring, 1/4
28	916822	4	{00000}-[]	NUT, Hex, 1/4-20
29	108224	1	{00000}-[]	BRACKET, Roller, L.H.
30	923346	2	{00000}-[]	BOLT, Rd. Hd., 5/16-18 x 3/4
31	917356	2	{00000}-[]	LOCKWASHER, Spring, 5/16
32	917372	2	{00000}-[]	NUT, Hex, 5/16-18
33	156131	1	{00000}-[]	STUD, Stop
34	921965	16	{00000}-[]	CAPSCREW, Hex Hd., 3/8-16 x 3/4
35	917642	3	{00000}-[]	WASHER, Plain, 5/16
36	108219	2	{00000}-[]	BRACKET ASSY, Front
37	108366	1	{00000}-[]	BAR, Reif.
38	1650533	3	{00000}-[]	BEARING & TUBE SUB-ASSY
39	923232	4	{00000}-[]	BOLT, Rd. Hd., 3/8-16 x 1
40	176720	1	{00000}-[]	DECAL, Caution
41	161130	1	{00000}-[]	SCREW, Special
42	103229	2	{00000}-[]	ARBOR KIT, Outside
43	103233	1	{00000}-[]	ARBOR KIT, Center



48" Cover Drive & Bail Group

10-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172076	1	{00000}-{ }	COVER, R.H.
2	172354	1	{00000}-{ }	COVER, L.H.
3	929000	14	{00000}-{ }	SCREW, Hex, Taprite, 1/4-20 x 3/8
4	108386	1	{00000}-{ }	PULLEY, idler
5	108473	1	{00000}-{ }	LEVER ASSY, idler
6	917642	4	{00000}-{ }	WASHER, Plain, 5/16
7	916965	9	{00000}-{ }	LOCKWASHER, Spring, 3/8
8	916950	3	{00000}-{ }	NUT, Hex, 3/8-16
9	108418	1	{00000}-{ }	SCREW
10	171815	1	{00000}-{ }	EYEBOLT
11	108449	1	{00000}-{ }	SPRING, Tension
12	108450	1	{00000}-{ }	BELT, "V", Mower Drive
13	108448	3	{00000}-{ }	BLADE, Knife
14	917378	2	{00000}-{ }	WASHER, Plain, 3/8
15	922586	6	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 5/8
16	172015	1	{00000}-{ }	ARM ASSY, Rocker
18	919262	2	{00000}-{ }	NUT, Hex, Jam, 1/2-20
19	917279	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
20	172082	1	{00000}-{ }	SPACER
21	918430	2	{00000}-{ }	WASHER, Plain, 7/16
22	176151	1	{00000}-{ }	FILM, Safety
23	174845	1	{00000}-{ }	FILM, Belt Installation
24	105051	2	{00000}-{ }	SPACER
25	8171073	1	{00000}-{ }	RACE, Inner
26	919361	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
27	916966	2	{00000}-{ }	LOCKWASHER, Spring, 1/2
28	154304	2	{00000}-{ }	YOKE, End Adj.
29	172473	1	{00000}-{ }	BAIL ASSY
30	916951	2	{00000}-{ }	NUT, Hex, 1/2-13

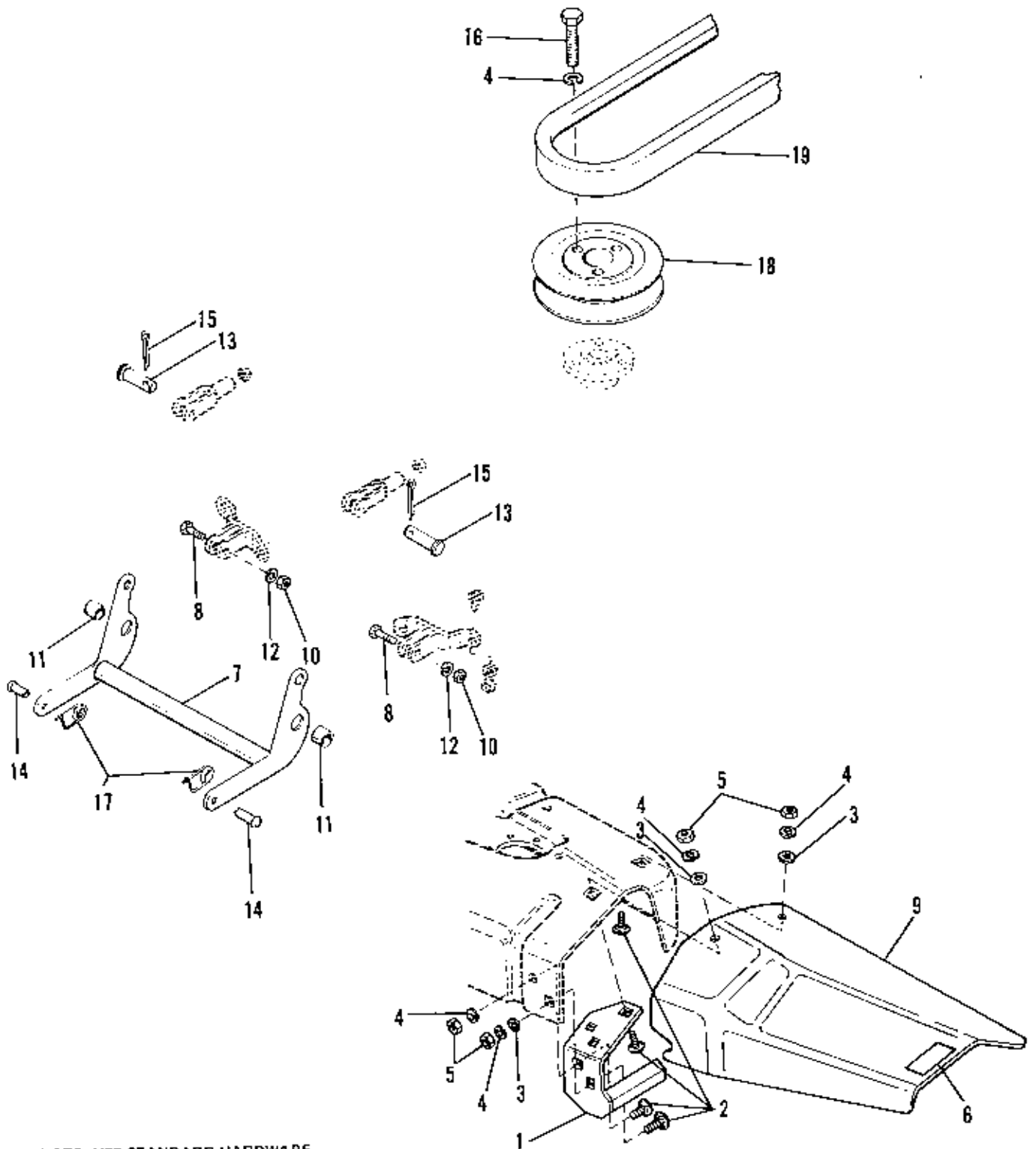


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

48" Height Adjustment & Roller Group

10-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172046	1	{00000}-{	] BRACKET, Roller, L.H.
2	172047	1	{00000}-{	] BRAKGET, Roller, R.H.
3	923347	4	{00000}-{	] BOLT, Rd. Hd., 3/8-16 x 3/4
4	923346	2	{00000}-{	] BOLT, Rd. Hd., 5/16-18 x 3/4
5	916965	4	{00000}-{	] LOCKWASHER, Spring, 3/8
6	916950	6	{00000}-{	] NUT, Hex, 3/8-16
7	922000	2	{00000}-{	] PIN, Cotter, 3/32 x 5/8
8	172075	1	{00000}-{	] SHAFT ASSY, Roller
9	108465	1	{00000}-{	] BAR SUB-ASSY, Roller
10	917378	6	{00000}-{	] WASHER, Plain, 3/8
11	923428	4	{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		2	{00000}-{	] ROLLER
15	106419	14	{00000}-{	] BUSHING
16	108432	5	{00000}-{	] ROLLER ASSY
17		5	{00000}-{	] ROLLER
18	917372	2	{00000}-{	] NUT, Hex, 5/16-18
19	919387	8	{00000}-{	] WASHER, Plain, 5/8
20	918458	7	{00000}-{	] PIN, Cotter, 3/16 x 1
21	106241	2	{00000}-{	] SOCKET ASSY
22	917421	2	{00000}-{	] NUT, Hex, Jam, 3/8-16
23	1650394	2	{00000}-{	] HANDLE, Adj.
24	1651820	2	{00000}-{	] GRIP
25	108360	2	{00000}-{	] SPRING, Adj. Screw
26	917356	2	{00000}-{	] LOCKWASHER, 5/16
27	108454	1	{00000}-{	] BRACKET & SHAFT ASSY
28	108512	2	{00000}-{	] PIVOT
29	917642	2	{00000}-{	] WASHER, Plain, 5/16



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

48" Deflector, Stone Guard & Rocker-Arm Group

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	174127	1	(00000)-()	GUARD ASSY, Stone
2	922109	4	(00000)-()	BOLT, Rd. Hd., 3/8-16 x 1-1/4
3	8161199	3	(00000)-()	WASHER, Special
4	916965	7	(00000)-()	LOCKWASHER, Spring, 3/8
5	916950	4	(00000)-()	NUT, Hex, 3/8-16
6	175719	1	(00000)-()	DECAL, Danger
7	172468	1	(00000)-()	ARM ASSY, Rocker
8	917279	2	(00000)-()	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	1651184	1	(00000)-()	DEFLECTOR
10	916951	2	(00000)-()	NUT, Hex, 1/2-13
11	105051	2	(00000)-()	SPACER
12	916966	2	(00000)-()	LOCKWASHER, Spring, 1/2
13	154305	2	(00000)-()	PIN, Yoke
14	118053	2	(00000)-()	PIN,
15	918452	2	(00000)-()	PIN, Cottor, 1/8 x 1
16	922606	3	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4, Gr. 8
17	176012	2	(00000)-()	CLIP, Safety Pin
18	174190	1	(00000)-()	PULLEY
19	163011	1	(00000)-()	BELT, "V", Tractor to Mower

