

Simplicity

**PARTS
MANUAL
MODEL 4000
ATTACHMENTS
& ACCESSORIES**

36" SNOW THROWER
MFG. NO. 1690169
42" SNOW PLOW & DOZER BLADE
MFG. NO. 1690085
42" SNOW PLOW & DOZER BLADE HTICH
MFG. NO. 1690188
LIFT LEVER
MFG. NO. 1690170
LIFT LEVER
MFG. NO. 1690195
DUMP CART
MFG. NO. 1600236
REAR GRASS CATCHER
MFG. NO. 1690229
VACUUM COLLECTOR
MFG. NO. 1690226
ROVING NOZZLE
MFG. NO. 1690031
36" ADAPTER
MFG. NO. 1690228
VACUUM COLLECTOR CART COVER
MFG. NO. 1600395
FRONT LIGHT KIT
MFG. NO. 1690154
P.T.O. LEVER
MFG. NO. 1690175
HOUR METER
MFG. NO. 1690197
HUB CAPS
MFG. NO. 1600027
WINTERIZING KIT
MFG. NO. 1690151

Attention Dealers:

This manual is one of the new style parts manuals which Simplicity is issuing. We trust you will find that this manual contains more information than previously offered in parts manuals, including important facts which will help you with repair work and parts ordering.

The new loose-leaf format allows for easier updating of specific sections should it be necessary and, in general, makes the manual easier to work with in day to day use.

For quick, accurate reference when making warranty claims, group numbers are now given with each parts section. Also note that serial numbers of units are now listed to locate any difference in parts which may occur in later models. Be aware of these unit serial numbers when ordering parts.

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings. These provide easy reference notes for repair and troubleshooting.

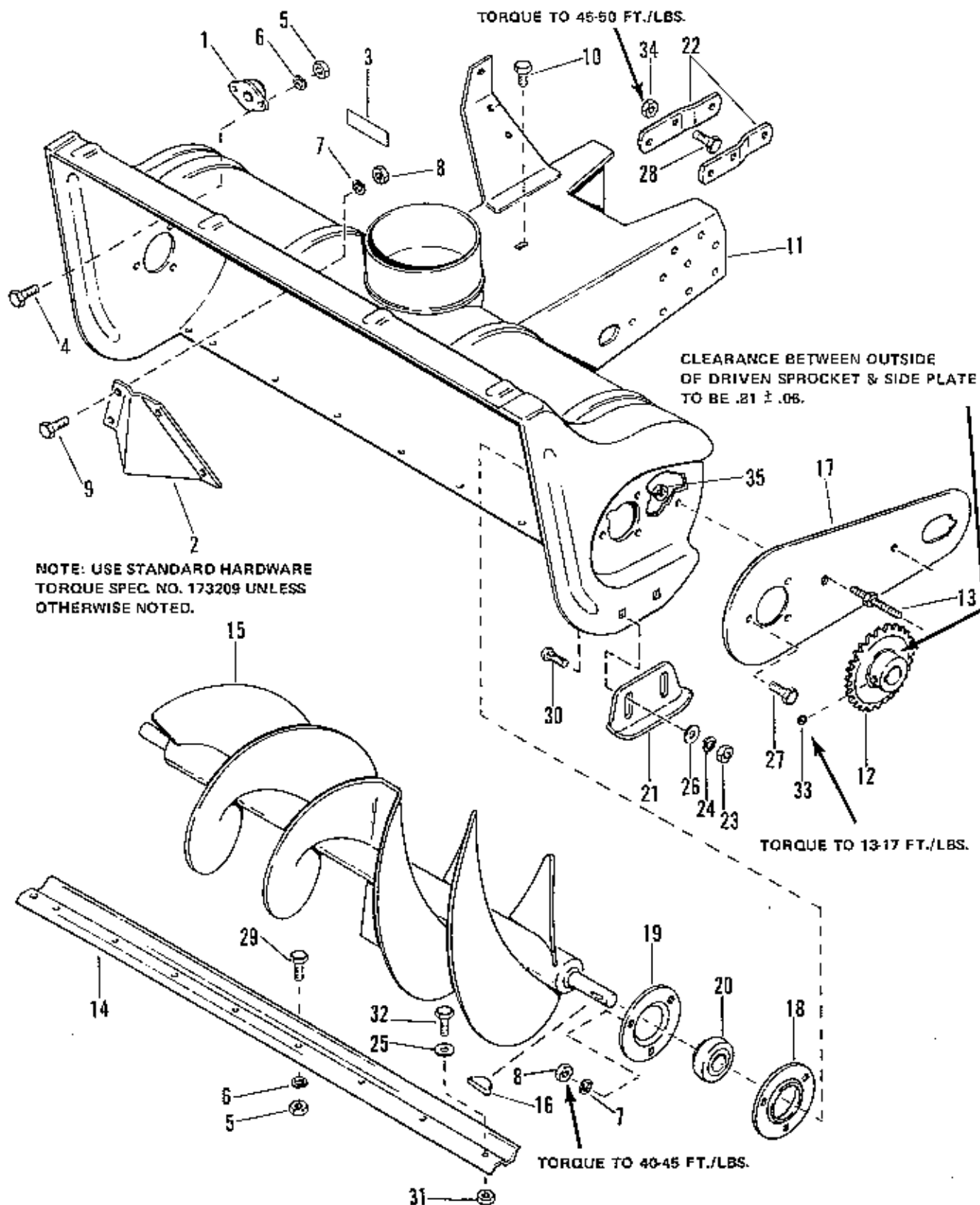
CRITICAL and MAJOR notations point out important facts or instructions which relate to safety or reliability and machine quality. The CRITICAL notation **[C]** pinpoints characteristics which, if not properly followed, can create a safety hazard. The MAJOR notation **[M]** marks characteristics which,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

We are confident that you will find that these new format parts manuals contain more complete information for your benefit, and that they are much easier to use.

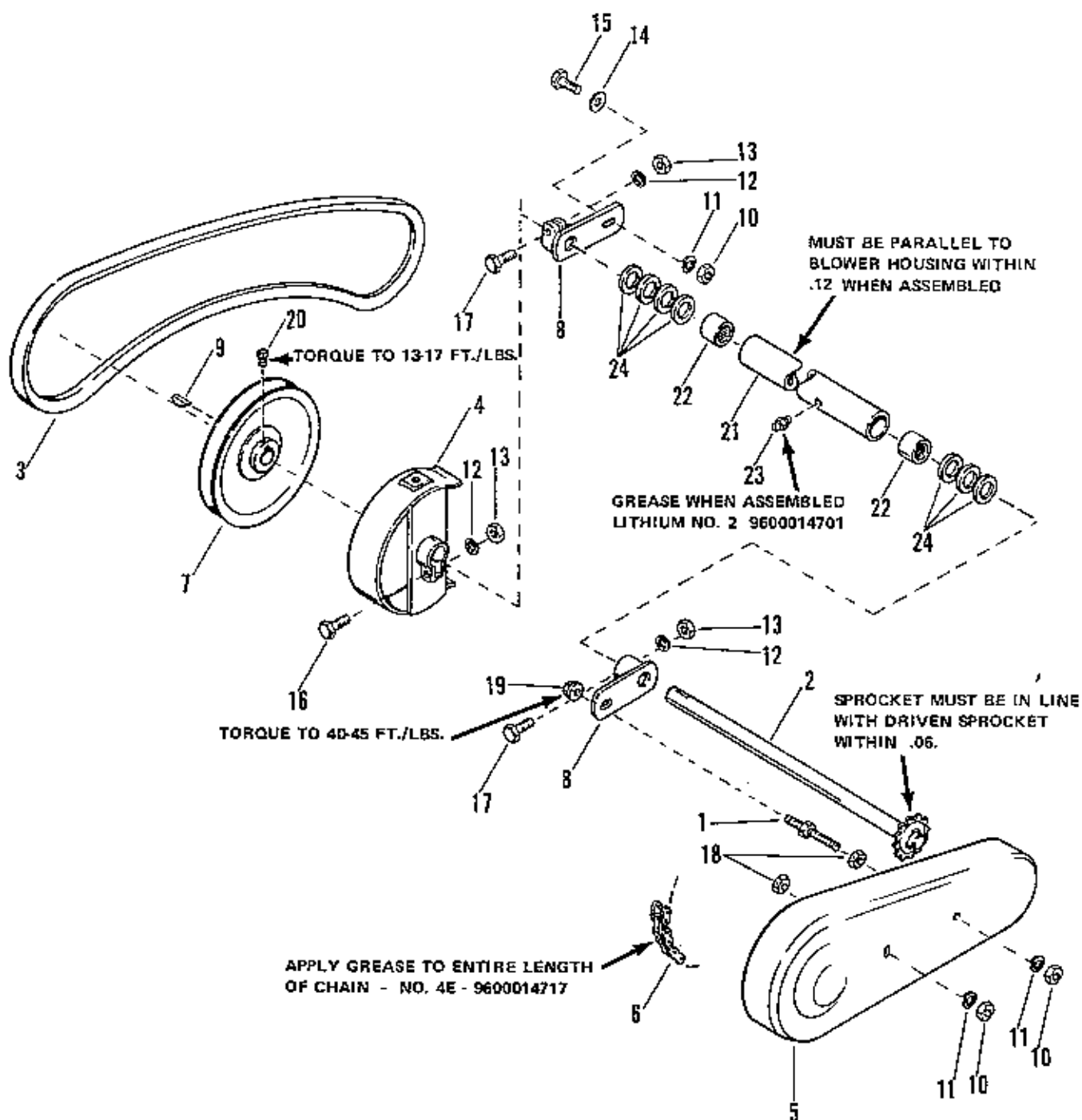
Simplicity
Technical Publications

Table of Contents

36" SNOW THROWER	2
BODY & ROTOR GROUP	2
DRIVE GROUP	4
SPOUT & MISC. GROUP	6
PUSH BAR & PTO GROUP	8
42" SNOW PLOW & DOZER BLADE	10
42" SNOW PLOW & DOZER BLADE HITCH	12
LIFT LEVER (4008,4108,4208)	14
LIFT LEVER (Replaces 1690170)	16
DUMP CART	18
REAR GRASS CATCHER	20
VACUUM COLLECTOR	22
HOUSING & ENGINE GROUP	22
MISC. GROUP.....	24
ROVING NOZZLE	26
36" ADAPTER	28
VACUUM COLLECTOR CART COVER	30
FRONT LIGHT KIT	32
PTO LEVER (4008 Only)	34
HOUR METER	34
HUB CAPS	36
WINTERIZING KIT	36
STANDARD HARDWARE TORQUE SPECIFICATION	Inside Back Cover



Ref. No.	Part No.	Qty.	Serial No.	Description
1	106491	1	{00000}-{ }	BEARING
2	106774	1	{00000}-{ }	DEFLECTOR
3	161247	1	{00000}-{ }	DECAL, Safety
4	907727	2	{00000}-{ }	CAPSCREW, 1/4-20 x 5/8
5	916822	2	{00000}-{ }	NUT, Hex, 1/4-20
6	916954	9	{00000}-{ }	LOCKWASHER, 1/4
7	917358	10	{00000}-{ }	LOCKWASHER, 5/16
8	917372	10	{00000}-{ }	NUT, Hex, 5/16-18
9	919318	4	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 5/8
10	924856	1	{00000}-{ }	SCREW, Self-tapping, 5/16-18 x 1/2
11	1654936	1	{00000}-{ }	BODY AND FRAME ASSEMBLY
12	106853	1	{00000}-{ }	SPROCKET
13	106771	1	{00000}-{ }	STUD
14	106863	1	{00000}-{ }	SCRAPER, Body
15	106856	1	{00000}-{ }	ROTOR
16	151040	1	{00000}-{ }	KEY, Hi-pro
17	171221	1	{00000}-{ }	SIDE PLATE
18	172278	2	{00000}-{ }	FLANGE, Brg.
19	172279	2	{00000}-{ }	FLANGE, Brg., w/fitting
20	173934	2	{00000}-{ }	BEARING, Cartridge, (w/Setscrow)
21	177434	2	{00000}-{ }	SKID
22	177565	2	{00000}-{ }	CLIP, Frame
23	916950	4	{00000}-{ }	NUT, 3/8-16
24	916965	4	{00000}-{ }	LOCKWASHER, 3/8
25	917377	2	{00000}-{ }	WASHER, Plain, 1/4
26	917378	4	{00000}-{ }	WASHER, Plain, 3/8
27	917397	6	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
28	920676	4	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 1
29	921959	7	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 5/8
30	922110	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
31	923282	2	{00000}-{ }	LOCKNUT, 5/16-18
32	925205	2	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 5/8
33	928691	1	{00000}-{ }	SETSCREW, Skt. 5/16-18 x 5/16
34	930650	4	{00000}-{ }	NUT, Flange, 2-way Lock, 7/16-14
35	928352	1	{00000}-{ }	LOCKNUT, Flange, 3/8-16

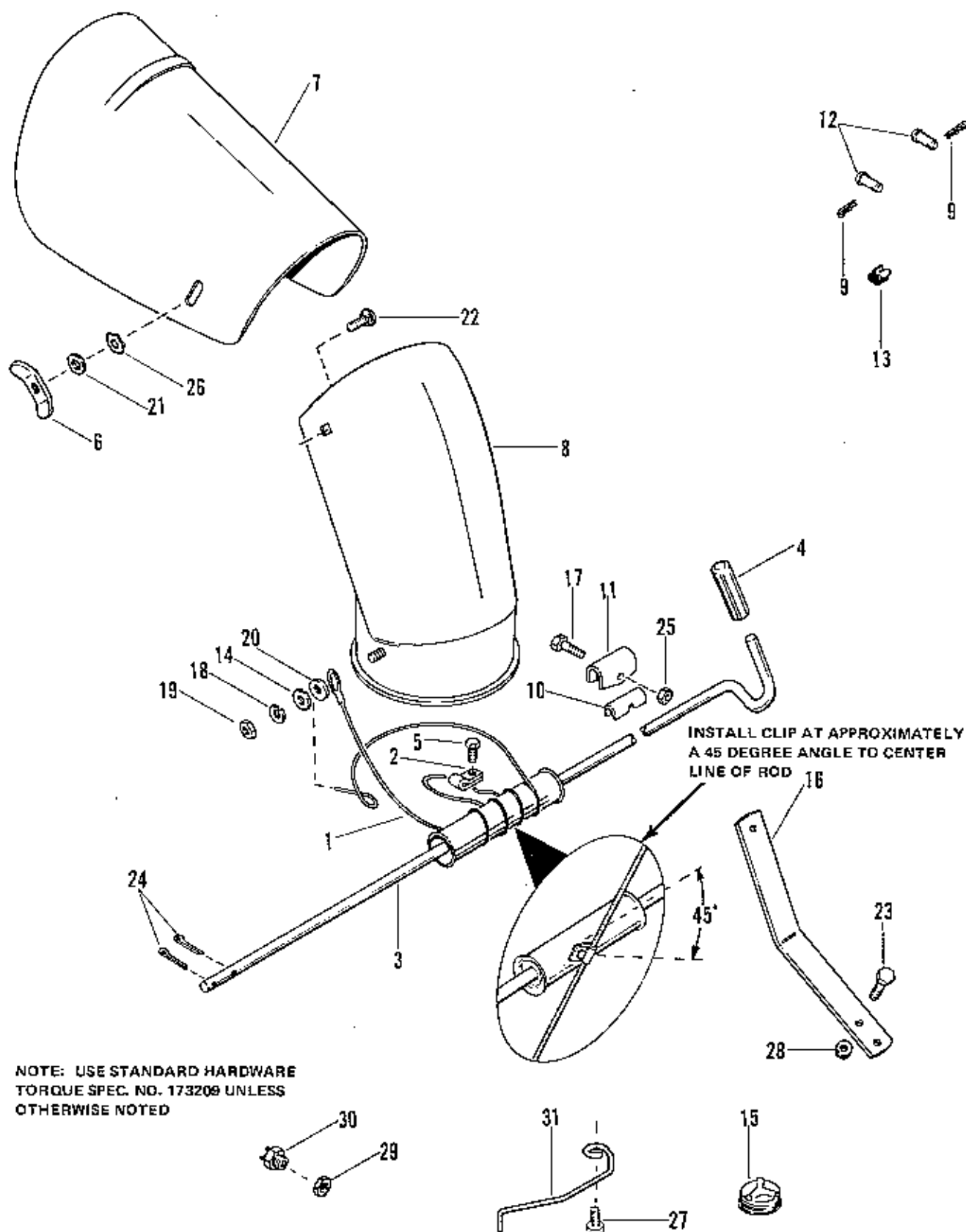


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Drive Group

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	106771	1	{00000}-I	STUD
2	106860	1	{00000}-(-	SHAFT ASSEMBLY
3	108514	1	{00000}-(-	V-BELT, 110.1"
4	171211	1	{00000}-(-	GUARD, Belt
5	171220	1	{00000}-(-	GUARD, Chain
6	171242	1	{00000}-(-	CHAIN
7	171248	1	{00000}-(-	PULLEY
8	178161	2	{00000}-(-	CLAMP, Housing
9	905123	1	{00000}-(-	KEY, Woodruff, No. 9, 3/16 x 3/4
10	916950	3	{00000}-(-	NUT, 3/8-16
11	916965	3	{00000}-(-	LOCKWASHER, 3/8
12	917358	3	{00000}-(-	LOCKWASHER, 5/16
13	917372	3	{00000}-(-	NUT, 5/16
14	917378	1	{00000}-(-	WASHER, Plain, 3/8
15	921210	1	{00000}-(-	CAPSCREW, Hex Hd., 3/8-16 x 1
16	921221	1	{00000}-(-	CAPSCREW, Hex Hd., 5/16-18 x 1 1/2
17	922127	2	{00000}-(-	CAPSCREW, Hex Hd., 5/16-18 x 1 3/4
18	923428	2	{00000}-(-	NUT, Full Lock, 3/8-16
19	928352	1	{00000}-(-	NUT, Flange Lock, 3/8-16
20	928721	1	{00000}-(-	SETSCREW, Sq. Hd., 5/16-18 x 1/2
21	106864	1	{00000}-(-	BEARING, Housing
22	154258	2	{00000}-(-	BEARING, Needle
23	921133	1	{00000}-(-	FITTING, Grease
24	8051012	7	{00000}-(-	WASHER

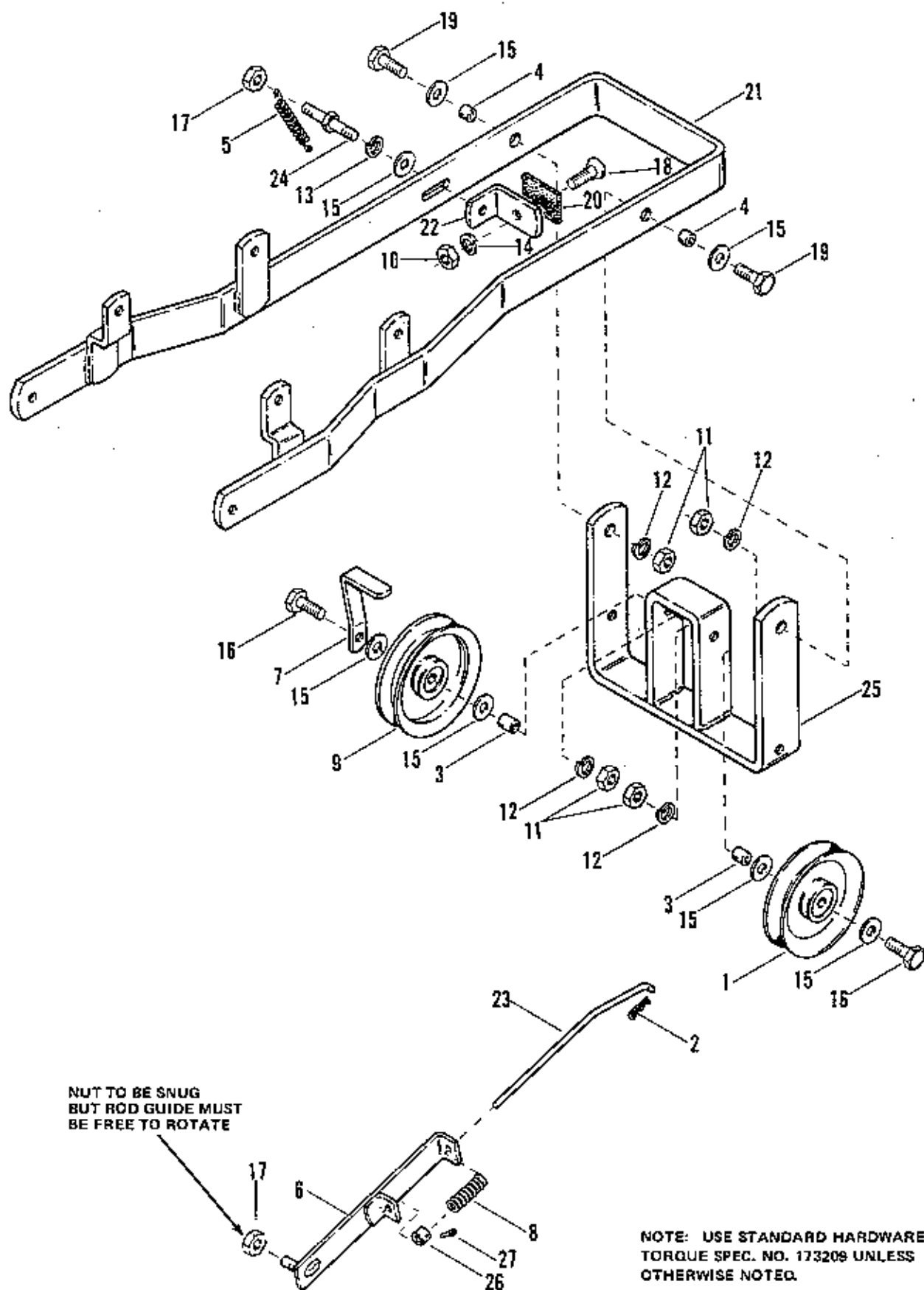


Spout and Misc. Group

Simplicity

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171362	1	{00000}-{ }	CABLE ASSEMBLY
2	171382	1	{00000}-{ }	CLAMP
3	176333	1	{00000}-{ }	ROD ASSEMBLY, Spout Control
4	176934	1	{00000}-{ }	HANDLE GRIP
5	927428	1	{00000}-{ }	SCREW, Washer Hd., Taprite, 1/4-20 x 3/8
6	106229	2	{00000}-{ }	WING NUT
7	106760	1	{00000}-{ }	EXTENSION, Spout
8	106762	1	{00000}-{ }	SPOUT ASSEMBLY
9	106788	6	{00000}-{ }	CLIP, Spring
10	121175	1	{00000}-{ }	GUIDE, Liner
11	152050	1	{00000}-{ }	GUIDE, Rod
12	156306	8	{00000}-{ }	PIN
13	185073	2	{00000}-{ }	CLIP, Speed
14	171379	1	{00000}-{ }	WASHER, Cup
15	172432	1	{00000}-{ }	CAP, Fuel Tank, Winterized
16	177587	1	{00000}-{ }	SUPPORT, Bracket
17	907729	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1 1/4
18	917356	1	{00000}-{ }	LOCKWASHER, 5/16
19	917372	1	{00000}-{ }	NUT, Hex, 5/16-18
20	917377	1	{00000}-{ }	WASHER, Plain, 1/4
21	917378	2	{00000}-{ }	WASHER, Plain, 3/8
22	920562	2	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
23	921210	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
24	922000	2	{00000}-{ }	PIN, Corter
25	923362	1	{00000}-{ }	LOCKNUT, 5/16
26	928710	2	{00000}-{ }	LOCKWASHER, Pyramidal, 3/8
27	930601	2	{00000}-{ }	SCREW, Hex Washer Hd., Taprite, 5/16-18 x 5/8
28	930645	2	{00000}-{ }	NUT, Flange, 3/8
29	930647	1	{00000}-{ }	LOCKNUT, 9/16-18
30	1654834	1	{00000}-{ }	INTERLOCK SWITCH
31	1656658	2	{00000}-{ }	STOP, Belt

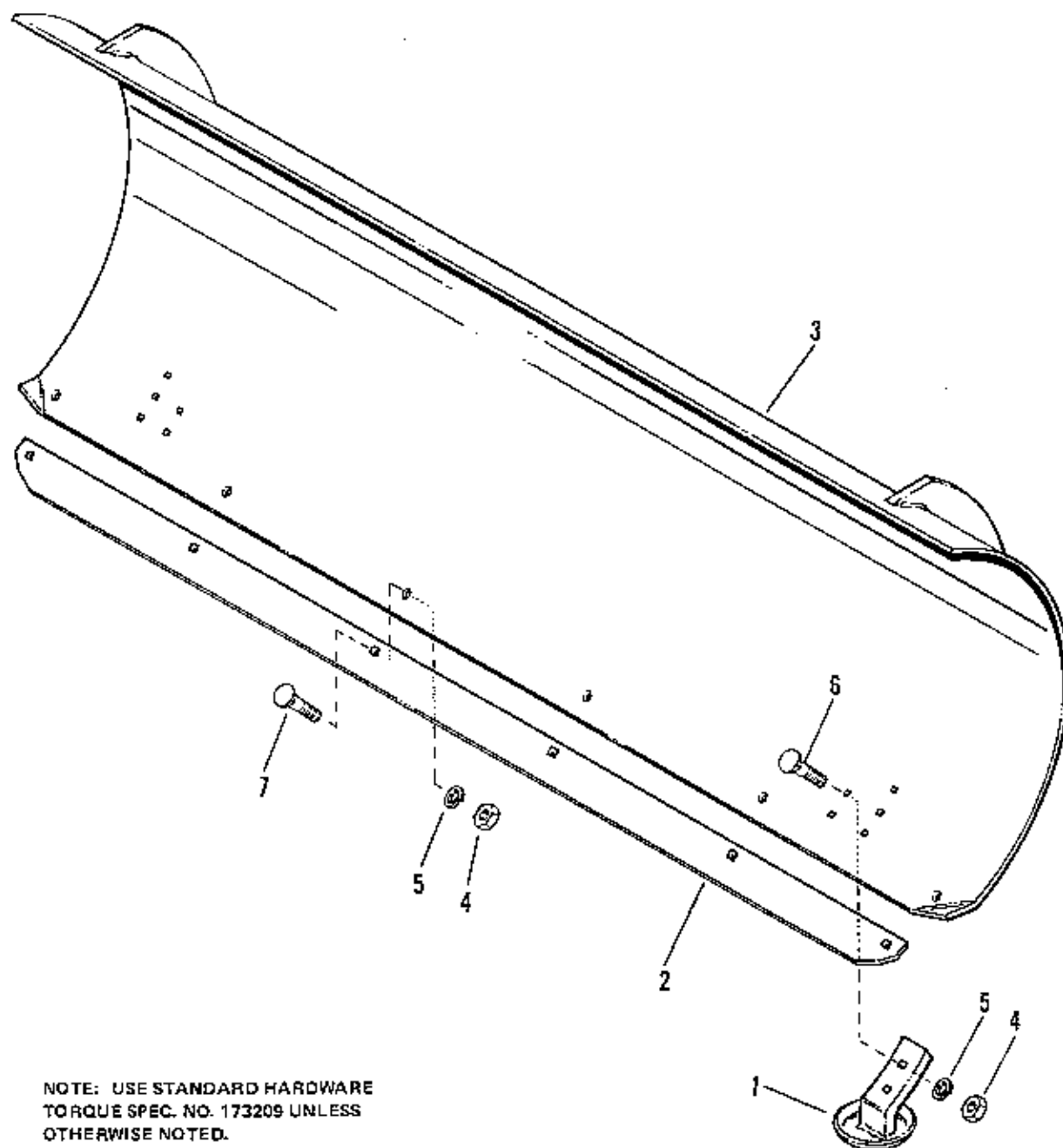


Push Bar and PTO Group

Simplicity

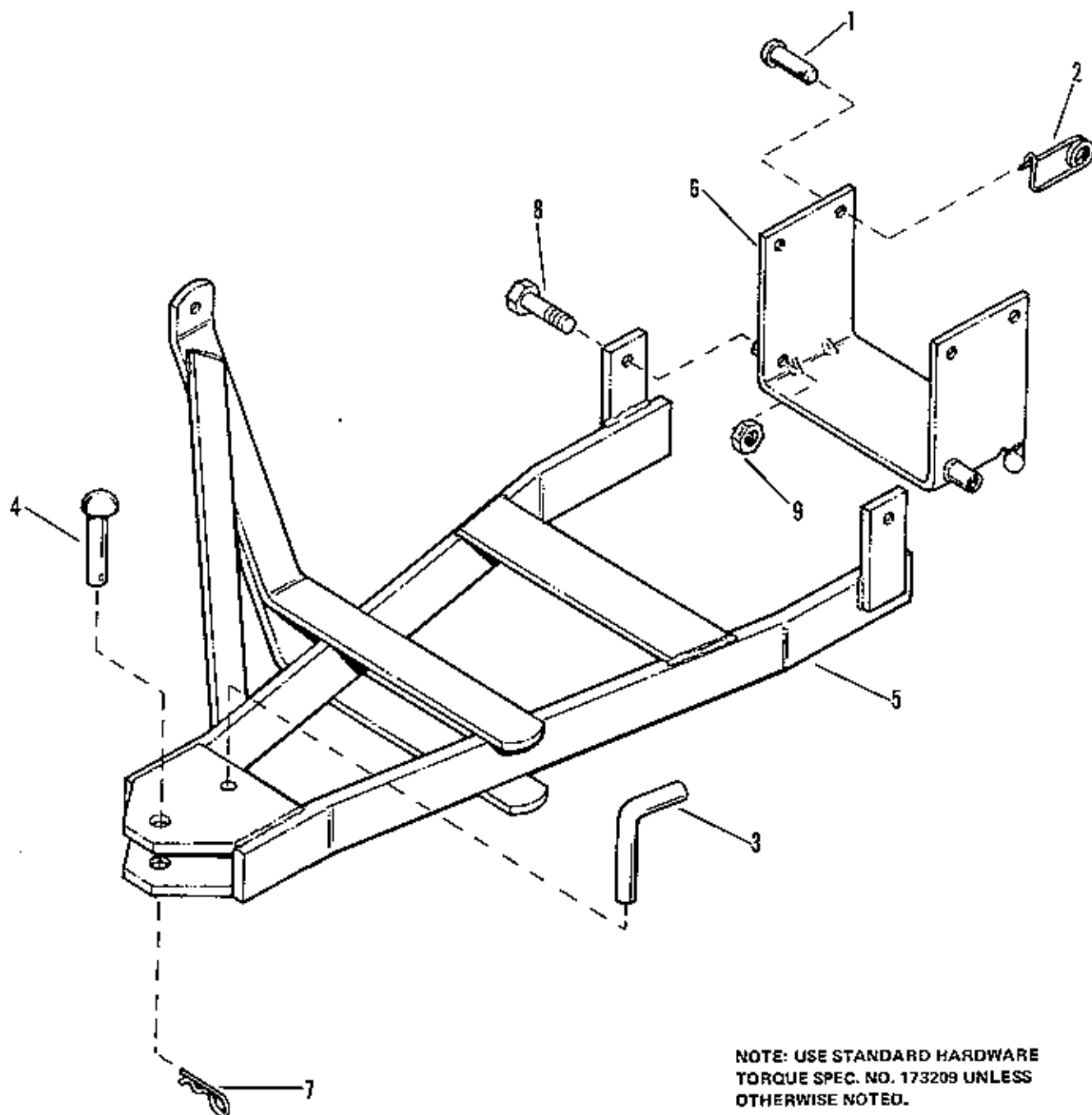
11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	101098	1	(00000)-()	PULLEY
2	106787	1	(00000)-()	SPRING, Clip
3	154177	2	(00000)-()	SPACER
4	158227	2	(00000)-()	SPACER
5	159159	1	(00000)-()	SPRING
6	162034	1	(00000)-()	GUIDE ASSEMBLY, Clutch Rod
7	162115	1	(00000)-()	STOP, Belt
8	1656532	1	(00000)-()	SPRING
9	171247	1	(00000)-()	PULLEY, Idler
10	916621	1	(00000)-()	NUT, No. 10-24
11	916950	4	(00000)-()	NUT, 3/8-16
12	916965	4	(00000)-()	LOCKWASHER, 3/8
13	917358	1	(00000)-()	LOCKWASHER, 5/16
14	917365	1	(00000)-()	LOCKWASHER, No. 10
15	917642	7	(00000)-()	WASHER, Plain, 5/16
16	919361	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1 3/4
17	923422	2	(00000)-()	NUT, Full Lock, 5/16-18
18	926267	1	(00000)-()	SCREW, Flat Hd., No. 10-24 x 5/8
19	930579	2	(00000)-()	CAPSCREW, Hex Hd., 3/8-16 x 1 1/4
20	1610590	1	(00000)-()	BRAKE SHEAVE
21	1654779	1	(00000)-()	PUSH BAR ASSEMBLY
22	1654780	1	(00000)-()	BRACKET,
23	1654781	1	(00000)-()	ROD
24	1655037	1	(00000)-()	STUD
25	1655333	1	(00000)-()	PIVOT PULLEY ASSEMBLY
26	8191022	1	(00000)-()	COLLAR, Set
27	928834	1	(00000)-()	SETSCREW, 1/4-20 x 3/8



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

Ref. No.	Part No.	Qty.	Serial No.	Description
1	107024	2	{00000}-{ }	SHOE ASSEMBLY
2	107045	1	{00000}-{ }	PLATE, Wear
3	107047	1	{00000}-{ }	BLADE ASSEMBLY
4	916950	10	{00000}-{ }	NUT, Hex Full, 3/8-16
5	916955	10	{00000}-{ }	LOCKWASHER, 3/8
6	923232	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 1
7	923347	6	{00000}-{ }	BOLT, Carriage, 3/8 -16 x 3/4

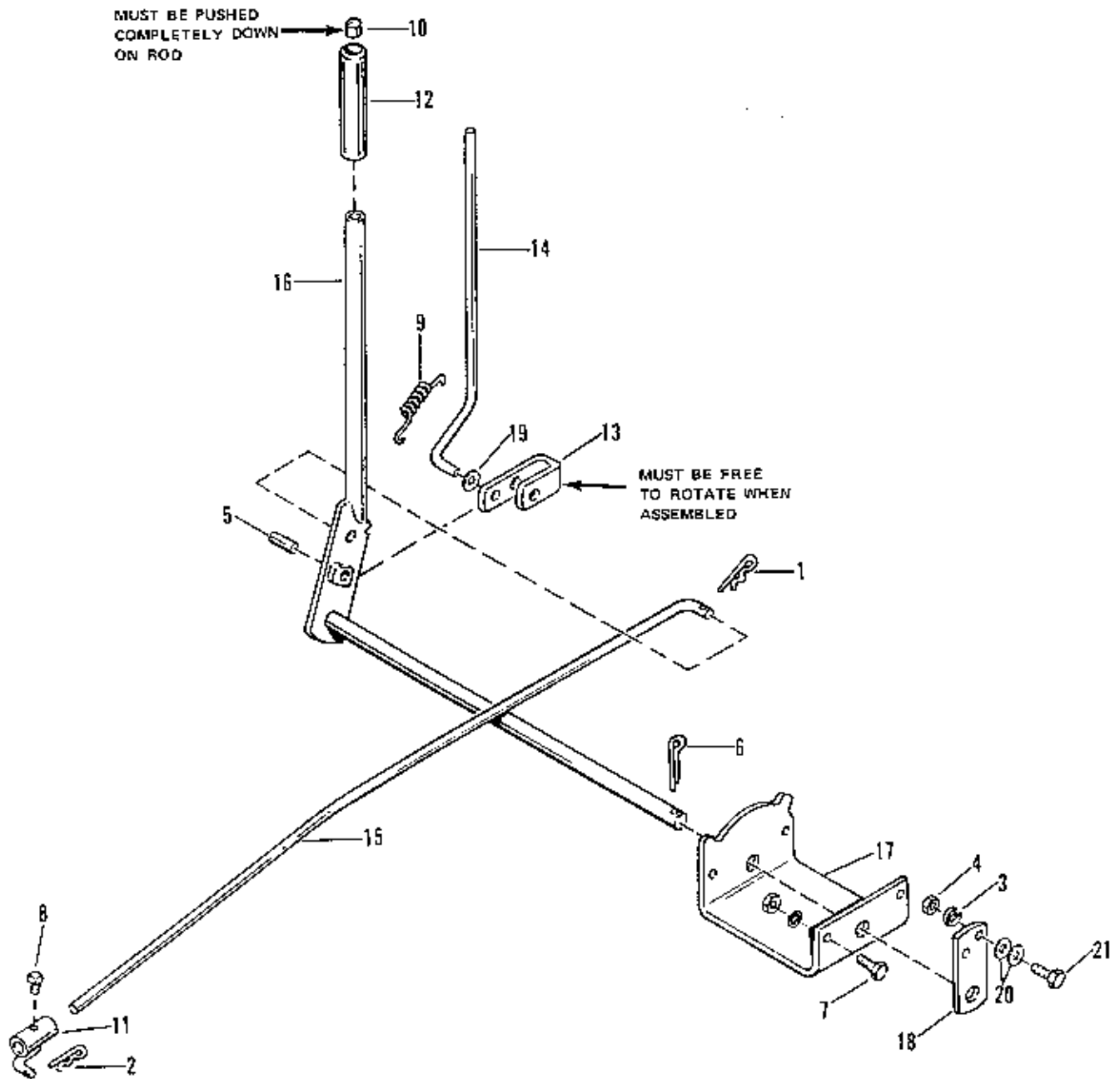


42" Snow Plow & Dozer Blade Hitch

Simplicity

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	156306	4	{00000}-[]	PIN
2	176012	6	{00000}-[]	CLIP, Pin, Safety
3	1603601	1	{00000}-[]	PIN, Pivot
4	1603602	1	{00000}-[]	PIN, King
5	1607911	1	{00000}-[]	BAR ASSEMBLY, Push
6	1657663	2	{00000}-[]	BRACKET ASSY
7	106788	1	{00000}-[]	CLIP, Spring
8	922130	2	{00000}-[]	CAPSCREW, 3/8-16 x 2-1/4
9	930645	2	{00000}-[]	LOCKNUT, Flange, 3/8-16

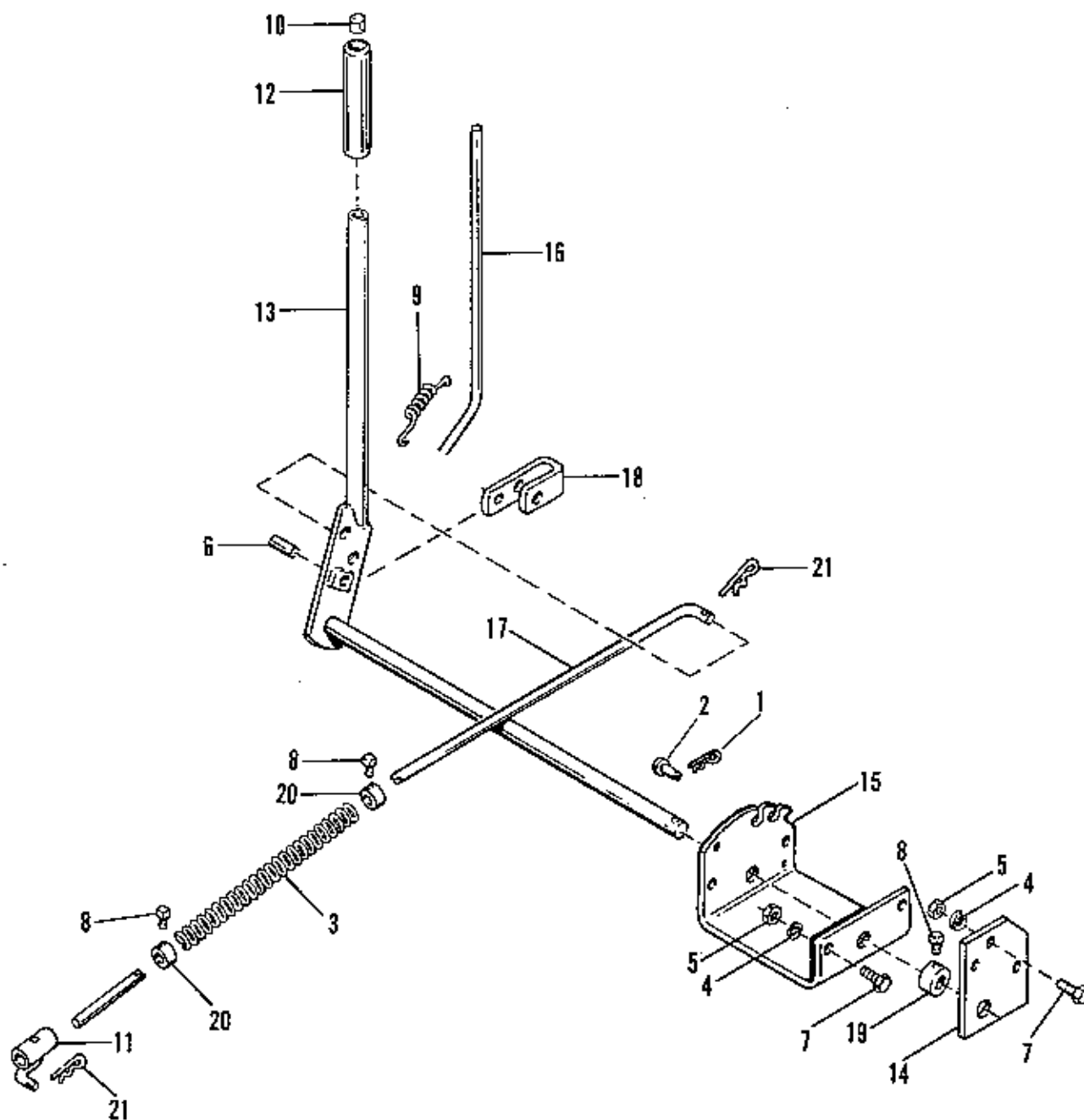


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Lift Lever

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	106787	1	{00000}-(-)	CLIP, Spring
2	106788	1	{00000}-(-)	CLIP, Spring
3	917356	6	{00000}-(-)	LOCKWASHER, 5/16
4	917372	6	{00000}-(-)	NUT, Hex, 5/16-18
5	918113	1	{00000}-(-)	PIN, Roll, 3/8 x 1
6	918448	1	{00000}-(-)	PIN, Cotter, 3/32 x 1
7	921332	4	{00000}-(-)	CAPSCREW, 5/16-18 x 3/4
8	928709	1	{00000}-(-)	SETSCREW, Sq. Hd., Gr. B, 5/16-18 x 3/8
9	1650155	1	{00000}-(-)	SPRING
10	1650157	1	{00000}-(-)	BUTTON
11	1651496	1	{00000}-(-)	GUIDE, Rod
12	1651702	1	{00000}-(-)	GRIP, Lift Lever
13	164224	1	{00000}-(-)	LATCH, Lift Lever
14	1654339	1	{00000}-(-)	LATCH, Rod
15	1654793	1	{00000}-(-)	LIFT, Rod
16	1654338	1	{00000}-(-)	LIFT LEVER
17	1654791	1	{00000}-(-)	QUADRANT, Lift
18	1654790	1	{00000}-(-)	SHAFT, Support
19	157424	1	{00000}-(-)	WASHER, Special
20	917642	4	{00000}-(-)	WASHER, Plain, 5/16
21	921333	2	{00000}-(-)	CAPSCREW, 5/16-18 x 1

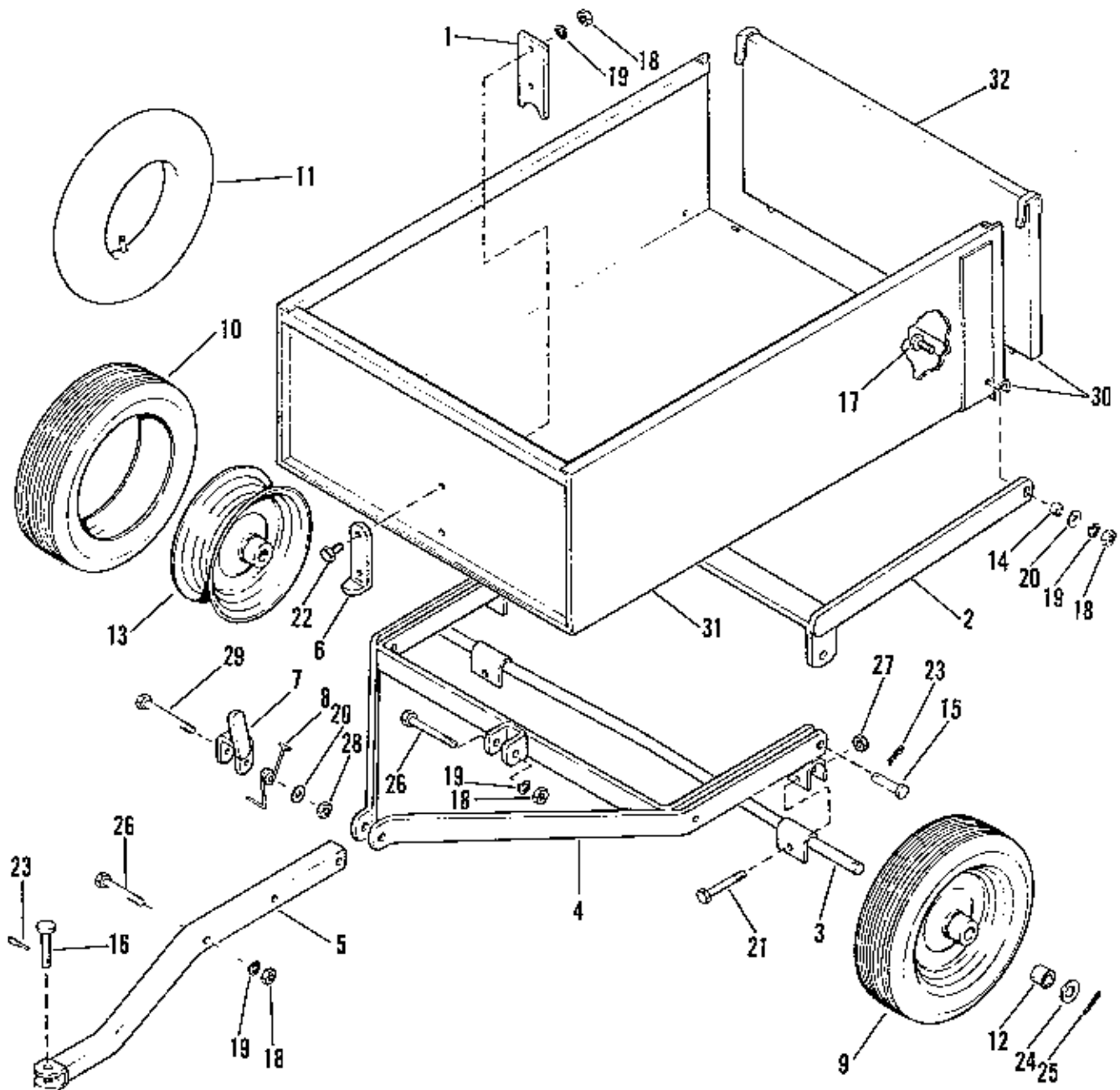


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Lift Lever

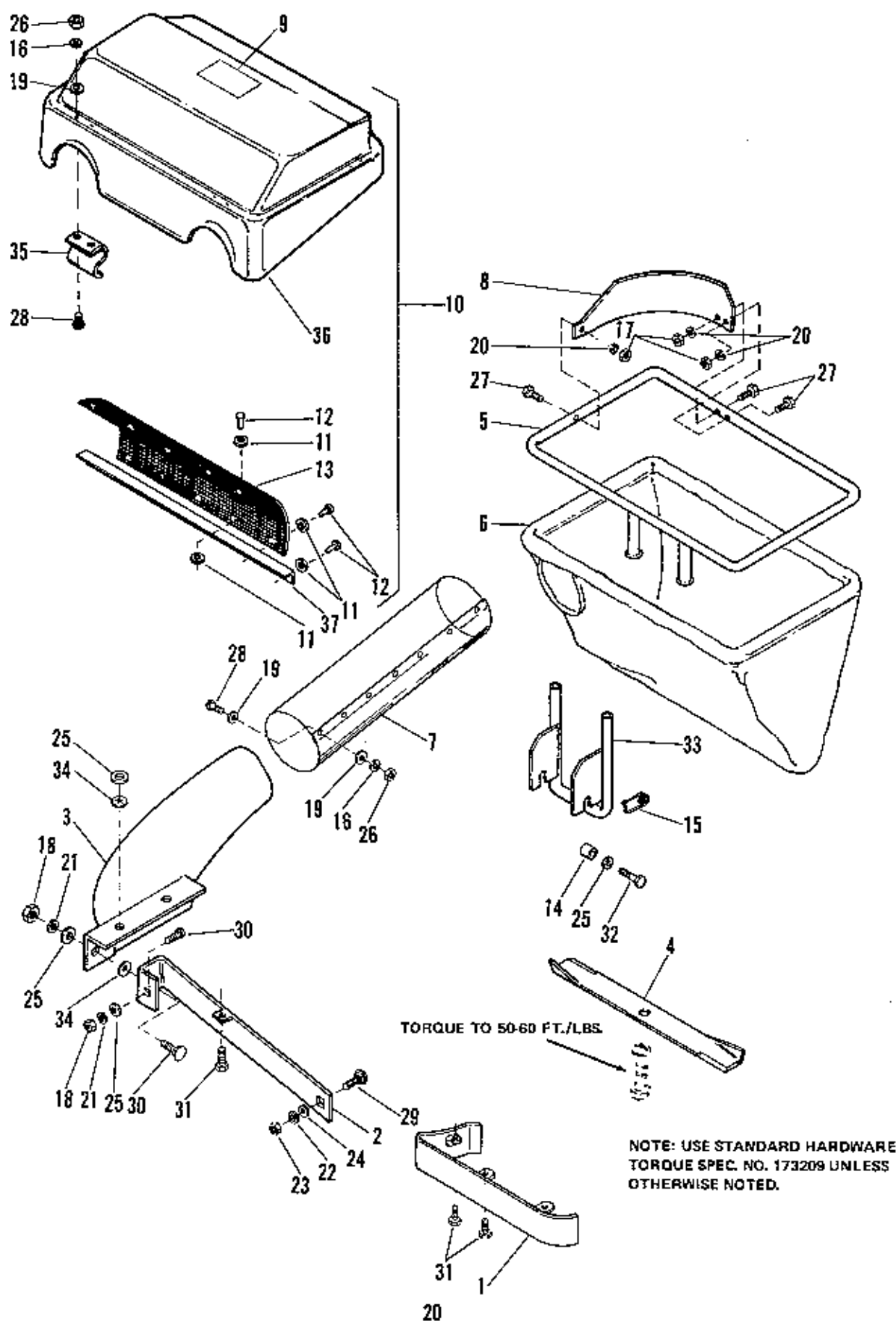
11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	106787	1	{00000}-{ }	CLIP, Spring
2	153058	1	{00000}-{ }	PIN
3	171011	1	{00000}-{ }	SPRING
4	917356	5	{00000}-{ }	LOCKWASHER, Spring, 5/16
5	917372	5	{00000}-{ }	NUT, Hex, 5/16-18
6	918113	1	{00000}-{ }	PIN, Spring, 3/8 x 1
7	921332	5	{00000}-{ }	CAPSCREW, Hex, 5/16-18 x 3/4
8	928709	3	{00000}-{ }	SCREW, Set, Sq. Hd., 5/16-18 x 3/8
9	1651055	1	{00000}-{ }	SPRING
10	1650157	1	{00000}-{ }	BUTTON
11	1651496	1	{00000}-{ }	GUIDE ASSY, Rod
12	1651702	1	{00000}-{ }	GRIP, Lift Lever
13	1655657	1	{00000}-{ }	LEVER ASSY, Lift
14	1655986	1	{00000}-{ }	SUPPORT, Shaft
15	1655997	1	{00000}-{ }	QUADRANT, Lift
16	1656737	1	{00000}-{ }	ROD, Latch
17	1656741	1	{00000}-{ }	ROD, Lift
18	1656763	1	{00000}-{ }	LATCH, Lever
19	8021010	1	{00000}-{ }	COLLAR, Set
20	8301042	2	{00000}-{ }	COLLAR, Set
21	106788	2	{00000}-{ }	CLIP, Hair Pin



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

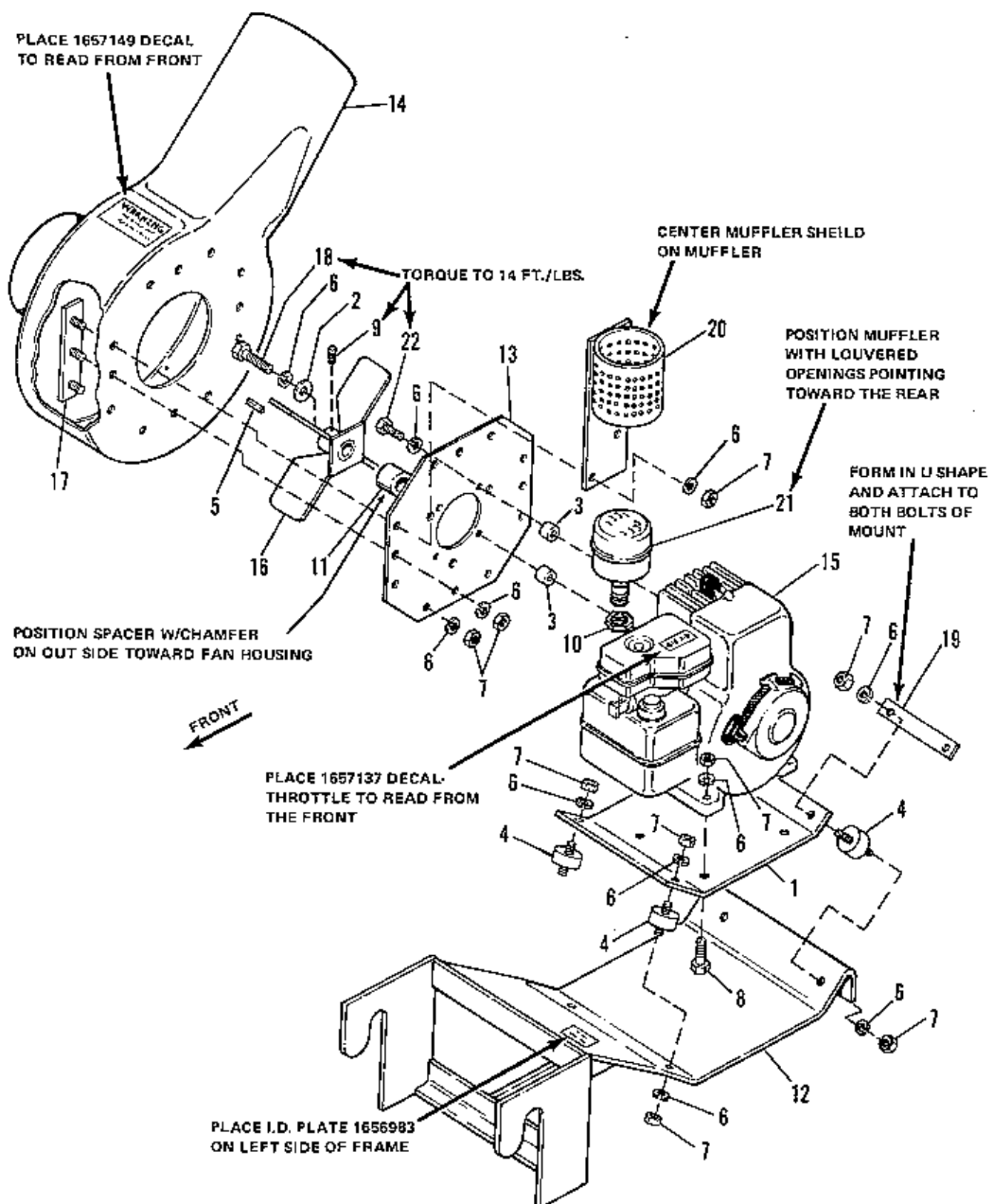
Ref. No.	Part No.	Qty.	Serial No.	Description
1	102005	1	{00000}-{ }	PLATE, Box Guide
2	102024	1	{00000}-{ }	PIVOT, Box Assy.
3	102027	1	{00000}-{ }	AXLE ASSEMBLY
4	102035	1	{00000}-{ }	FRAME ASSEMBLY
5	102037	1	{00000}-{ }	TONGUE ASSEMBLY
6	102040	1	{00000}-{ }	PLATE, Box Catch
7	102051	1	{00000}-{ }	CLEVIS ASSEMBLY
8	102075	1	{00000}-{ }	SPRING, Torsion
9	170320	2	{00000}-{ }	WHEEL & TIRE ASSEMBLY
10	102052	2	{00000}-{ }	TIRE
11	153038	2	{00000}-{ }	TUBE, 4.00 x 8
12	156316	4	{00000}-{ }	BEARING
13	170319	2	{00000}-{ }	WHEEL
14	8151076	2	{00000}-{ }	BUSHING
15	102004	2	{00000}-{ }	PIN, Pivot
16	105249	1	{00000}-{ }	PIN
17	907731	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1
18	916950	6	{00000}-{ }	NUT, Hex Full, 3/8-16
19	916965	6	{00000}-{ }	LOCKWASHER, 3/8
20	917378	3	{00000}-{ }	WASHER, 3/8
21	917398	2	{00000}-{ }	CAPSCREW, 5/16-18 x 1 3/4
22	917400	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1 1/4
23	918196	3	{00000}-{ }	PIN, Quick
24	918433	2	{00000}-{ }	WASHER, Plain, 3/4
25	918459	2	{00000}-{ }	PIN, Cotter, 3/16 x 1 1/2
26	919362	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 2 1/4
27	923362	2	{00000}-{ }	NUT, Hex Full, 5/16-18
28	923428	1	{00000}-{ }	NUT, Hex Full, 3/8-16
29	930596	1	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 2 3/4
30	1655704	1	{00000}-{ }	TRAILER & END GATE ASSY.
31	102002	1	{00000}-{ }	BODY, Trailer
32	102003	1	{00000}-{ }	GATE END



Rear Grass Catcher

5/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1655628	1	{00000}-{ }	BAFFLE ASSY
2	1655603	1	{00000}-{ }	BAFFLE ASSY, Discharge
3	1656446	1	{00000}-{ }	ADAPTOR, Mower
4	1656451	2	{00000}-{ }	BLADE
5	1656599	1	{00000}-{ }	FRAME ASSY, Bag
6	1656643	1	{00000}-{ }	BAG, Grass
7	1656650	1	{00000}-{ }	TUBE, Discharge
8	1656980	1	{00000}-{ }	DEFLECTOR
9	1656982	1	{00000}-{ }	DECAL, Warning
10	1656990	1	{00000}-{ }	COVER ASSY
11	932938	13	{00000}-{ }	WASHER, 11/64 x 1/2 O.D.
12	925637	10	{00000}-{ }	RIVET, Blind, 5/32
13	1656615	1	{00000}-{ }	SCREEN
14	158227	2	{00000}-{ }	SPACER
15	178012	1	{00000}-{ }	PIN, Clip, Safety
16	909055	15	{00000}-{ }	LOCKWASHER, No. 10
17	916622	3	{00000}-{ }	NUT, Hex, 1/4-20
18	916950	2	{00000}-{ }	NUT, Hex, 3/8-16
19	923906	22	{00000}-{ }	WASHER, 3/16
20	916964	3	{00000}-{ }	LOCKWASHER, 1/4
21	916965	2	{00000}-{ }	LOCKWASHER, 3/8
22	917356	1	{00000}-{ }	LOCKWASHER, 5/16
23	917372	1	{00000}-{ }	NUT, Hex, 5/16-18
24	917377	1	{00000}-{ }	WASHER, 1/4
25	917387	6	{00000}-{ }	WASHER, 3/8
26	917415	15	{00000}-{ }	NUT, Hex, No. 10-32
27	921961	3	{00000}-{ }	CAPSCREW, Hex, 1/4-20 x 1-1/4
28	922121	15	{00000}-{ }	SCREW, Phil. No. 10-32 x 3/8
29	922783	1	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
30	922110	2	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
31	923858	3	{00000}-{ }	SCREW, Hex, Taprite, 5/16-18 x 1/2
32	930579	2	{00000}-{ }	CAPSCREW, Hex, 3/8-16 x 1-1/4
33	1656620	1	{00000}-{ }	SUPPORT ASSY, Frame
34	931942	3	{00000}-{ }	NUT, Push On
35	1656684	4	{00000}-{ }	CLIP, Cover
36		1	{00000}-{ }	COVER
37	1656696	1	{00000}-{ }	ANGLE, Screen

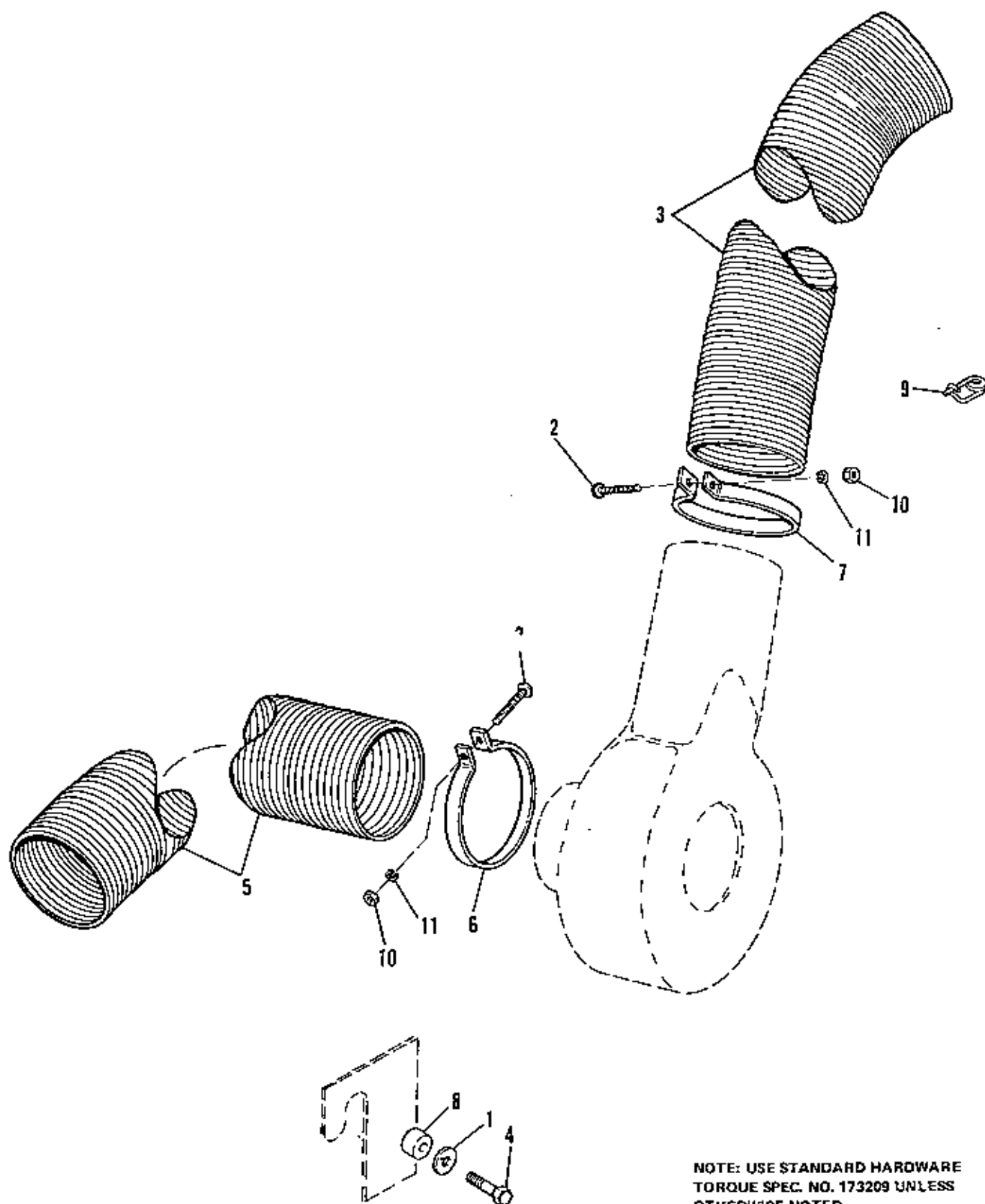


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Vacuum Collector Housing & Engine Group

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	123095	1	{00000}-{ }	PLATE, Engine
2	123144	1	{00000}-{ }	WASHER, Special, 21/64 x 1-1/4
3	157081	4	{00000}-{ }	SPACER
4	159085	4	{00000}-{ }	CONNECTOR, Cushion
5	905850	1	{00000}-{ }	KEY, 3/16 x 3/16 x 1
6	917356	28	{00000}-{ }	LOCKWASHER, Spring, 5/16
7	917372	24	{00000}-{ }	NUT, Hex, 5/16-18
8	919933	4	{00000}-{ }	CAPSCREW, 5/16-18 x 1-1/2
9	928721	1	{00000}-{ }	SCREW, Set, Sq. Hd., Cup. Pt., 5/16-18 x 1/2
10	932850	1	{00000}-{ }	LOCKNUT, Pipe, No. BL-50
11	1654907	1	{00000}-{ }	SPACER
12	1656968	1	{00000}-{ }	FRAME ASSY
13	1656972	1	{00000}-{ }	PLATE, Housing Support
14	1656973	1	{00000}-{ }	HOUSING
15		1	{00000}-{ }	ENGINE, Briggs & Stratton, 4 H.P.
16	1657332	1	{00000}-{ }	FAN ASSY
17	1657456	4	{00000}-{ }	BAR ASSY
18	927927	1	{00000}-{ }	CAPSCREW, 5/16-24 x 1
19	1657460	1	{00000}-{ }	STRAP, Ground
20	1657477	1	{00000}-{ }	SHIELD ASSY, Muffler
21	1657505	1	{00000}-{ }	MUFFLER
22	921982	4	{00000}-{ }	CAPSCREW, 5/16-24 x 1-1/4

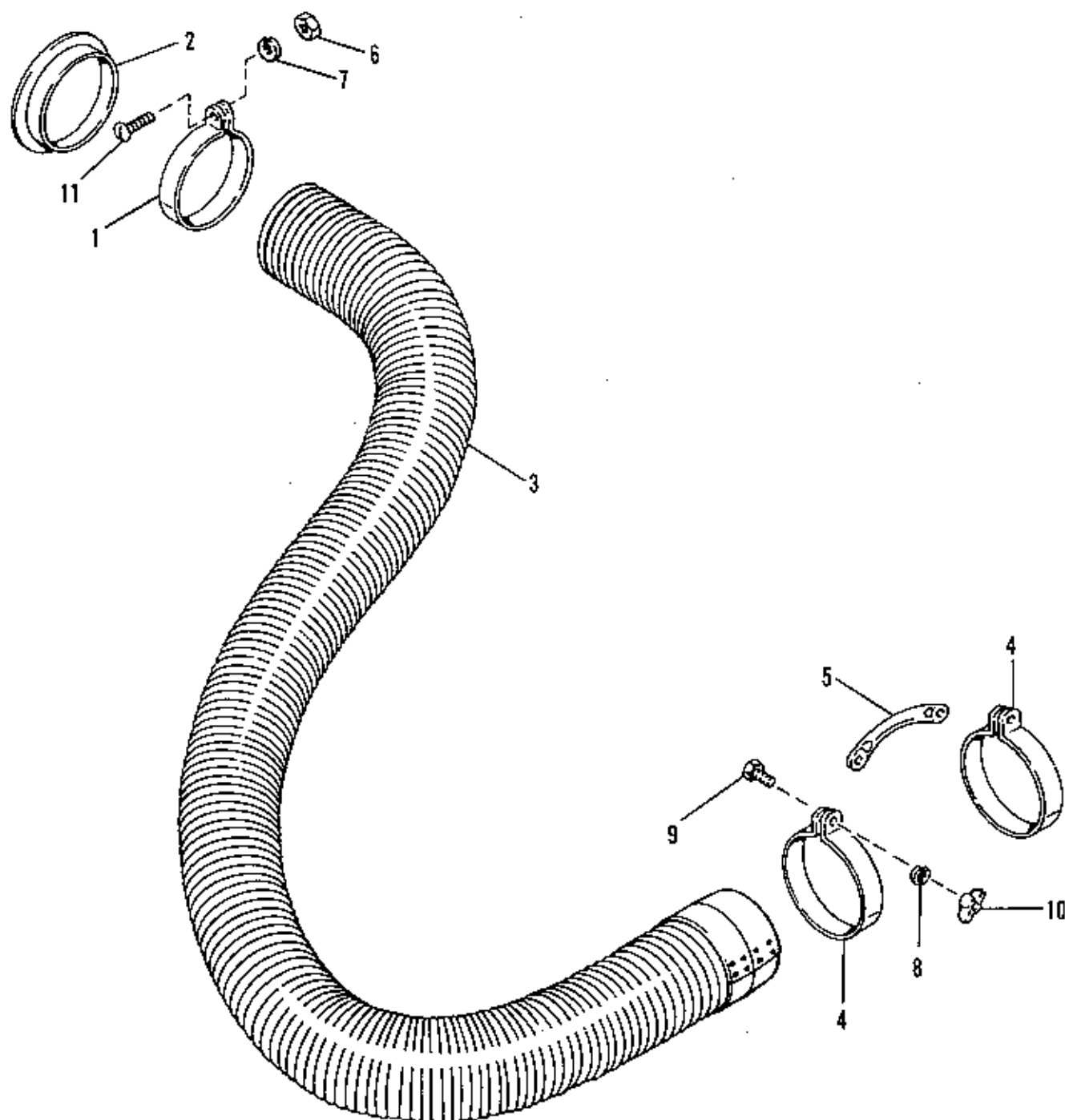


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Vacuum Collector Misc. Group

5/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	917378	2	{00000}-[]	WASHER, Plain, 3/8
2	928866	2	{00000}-[]	SCREW, Rd. Hd., 1/4-20 x 3
3	1657402	1	{00000}-[]	HOSE ASSY, Outlet, 6" Dia.
4	930579	2	{00000}-[]	CAPSCREW, Hex, Hd., 3/8-16 x 1-1/4
5	1657189	1	{00000}-[]	HOSE ASSY, Inlet, 7" Dia.
6	123065	1	{00000}-[]	CLAMP, Hose
7	123067	1	{00000}-[]	CLAMP, Hose
8	158227	2	{00000}-[]	SPACER
9	176012	1	{00000}-[]	CLIP, Pin Safety
10	916622	2	{00000}-[]	NUT, Hex, 1/4-20
11	916964	2	{00000}-[]	LOCKWASHER, Spring, 1/4

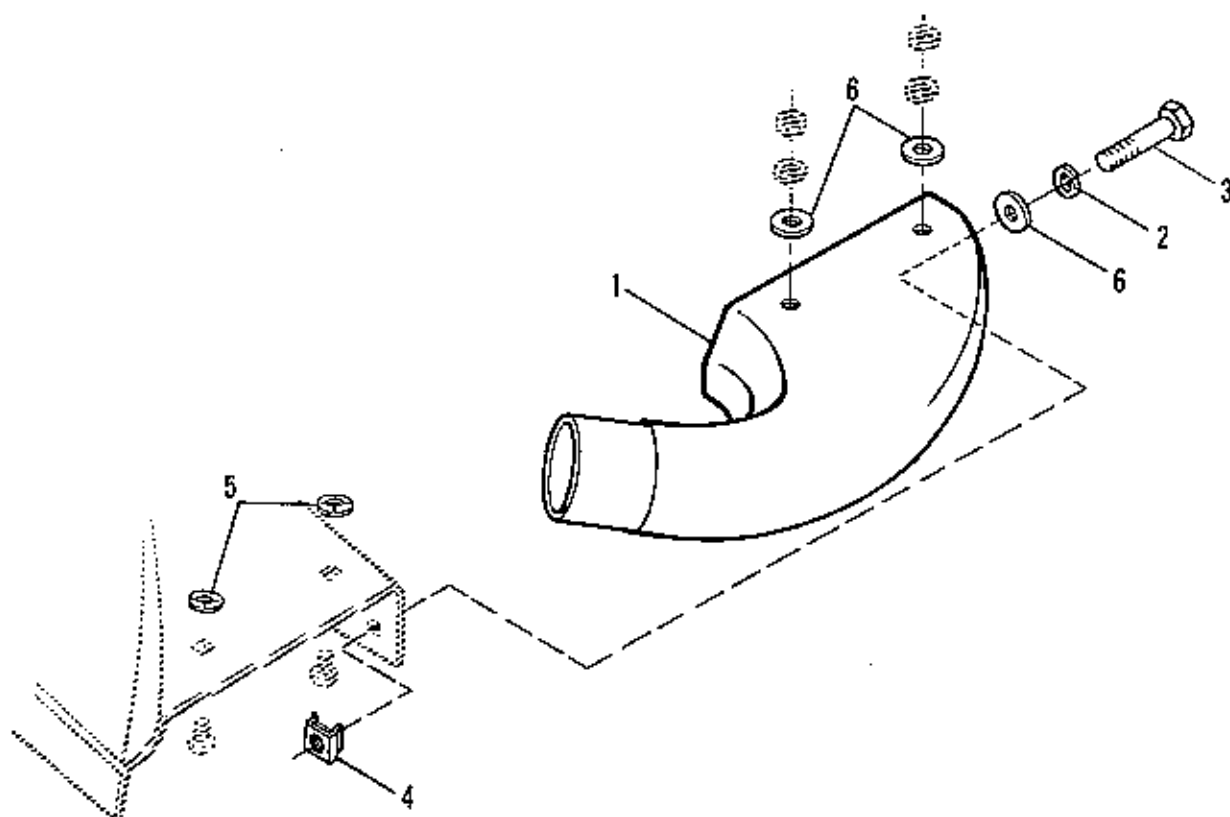


NOTE: USE STANDARD HARDWARE
TORQUE SPEC. NO. 173209 UNLESS
OTHERWISE NOTED.

Vacuum Collector Roving Nozzle

11-76

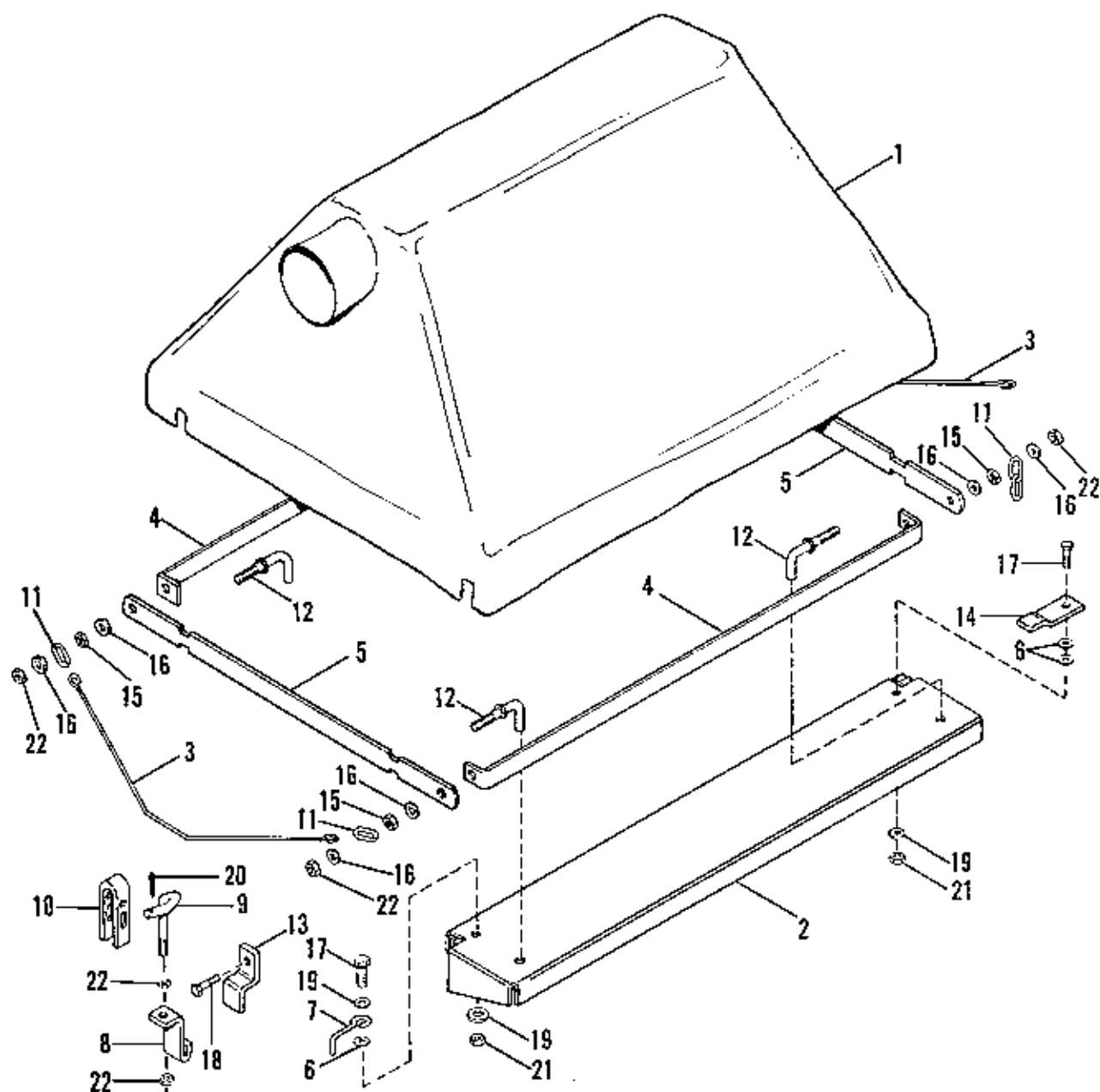
Ref. No.	Part No.	Qty.	Serial No.		Description
1	123065	1	{00000}-I	}	CLAMP, Hose
2	123111	1	{00000}-I	}	FLANGE, Hose
3	123127	1	{00000}-I	}	HOSE ASSY
4	123128	2	{00000}-I	}	CLAMP, Hose
5	123129	1	{00000}-I	}	HANDLE, Hose
6	916622	1	{00000}-I	}	NUT, Hex, 1/4-20
7	916964	1	{00000}-I	}	LOCKWASHER, Spring, 1/4
8	917356	2	{00000}-I	}	LOCKWASHER, Spring, 5/16
9	917397	2	{00000}-I	}	CAPSCREW, Hex Hd., 5/16-18 x 3/4
10	918468	2	{00000}-I	}	NUT, Wing, 5/16-18
11	928366	1	{00000}-I	}	SCREW, Rd. Hd., 1/4-20 x 3



36" Vacuum Collector Adaptor

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1657188	1	(00000)-()	ADAPTOR, 36" Mower
2	817356	1	(00000)-()	LOCKWASHER, Spring, 5/16
3	923325	1	(00000)-()	CAPSCREW, Hex, 5/16-18 x 7/8
4	930659	1	(00000)-()	NUT, Retainer, 5/16-18
5	931642	2	(00000)-()	NUT, Push, 3/8
6	8161199	3	(00000)-()	WASHER



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

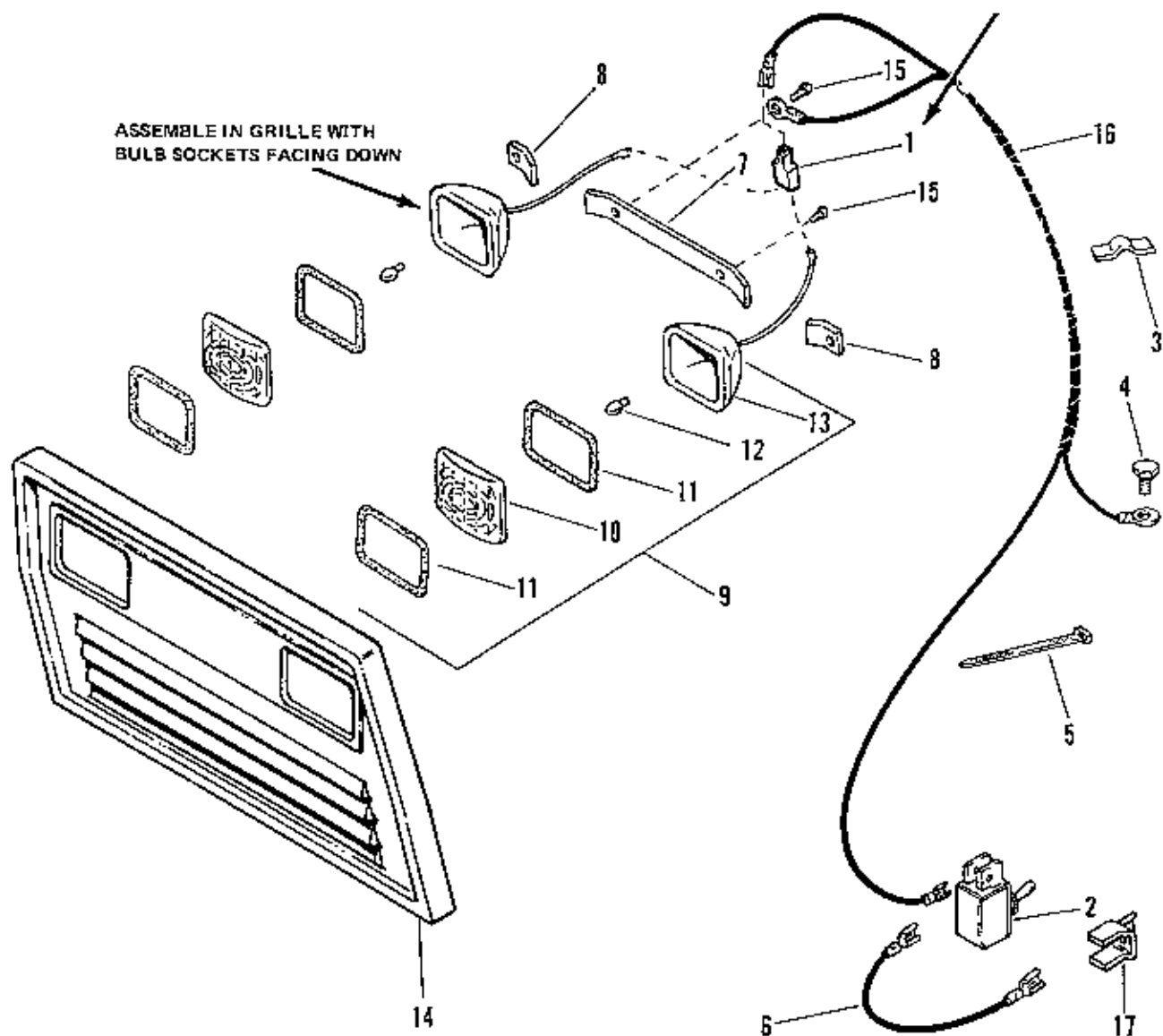
Vacuum Collector Cart Cover

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	177917	1	{00000}-{ }	COVER, Cart
2	178187	2	{00000}-{ }	PANEL, Side
3	178188	2	{00000}-{ }	BAIL
4	178191	2	{00000}-{ }	BAR, Reinf., Side
5	178192	2	{00000}-{ }	BAR, Reinf., End
6	159134	6	{00000}-{ }	WASHER, Special
7	163065	2	{00000}-{ }	STOP, Belt
8	170000	2	{00000}-{ }	LATCH
9	170001	2	{00000}-{ }	LATCH, Rod
10	170002	2	{00000}-{ }	LEVER
11	170134	6	{00000}-{ }	LINK, Repair
12	178189	4	{00000}-{ }	PIN
13	178190	1	{00000}-{ }	BRACKET
14	178198	2	{00000}-{ }	BRACKET
15	916950	4	{00000}-{ }	NUT, Hex, 3/8-16
16	917378	8	{00000}-{ }	WASHER, Plain, 3/8
17	917397	4	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	917400	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
19	917642	6	{00000}-{ }	WASHER, Plain, 5/16
20	918452	2	{00000}-{ }	PIN, Cotter, 1/8 x 1
21	923362	4	{00000}-{ }	NUT, Hex Lock, 5/16-18 x 17/64
22	923428	8	{00000}-{ }	NUT, Hex, Full Lock, 3/8-16

WHEN ASSEMBLING TRAP REF. NO. 1
BETWEEN REF. NO. 7 AND REF. NO. 14

ASSEMBLE IN GRILLE WITH
BULB SOCKETS FACING DOWN



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

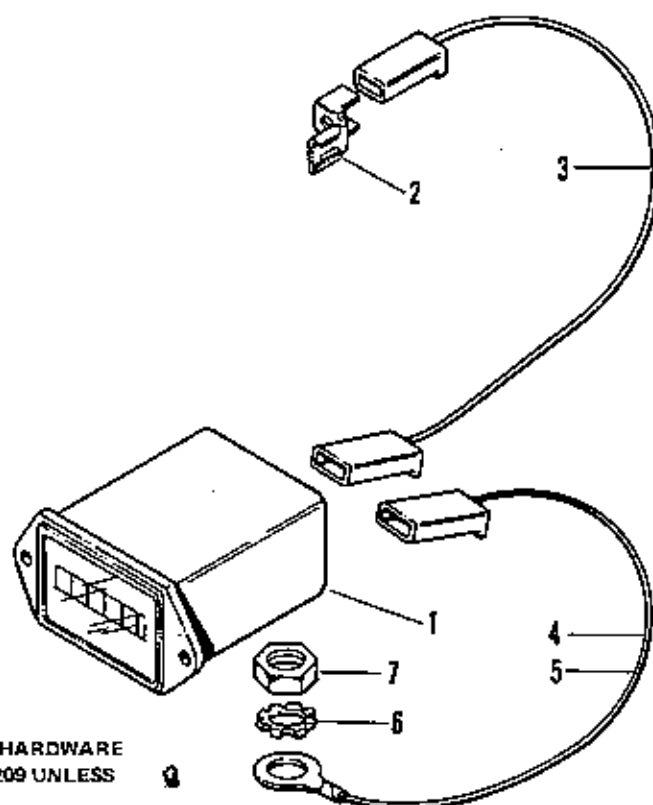
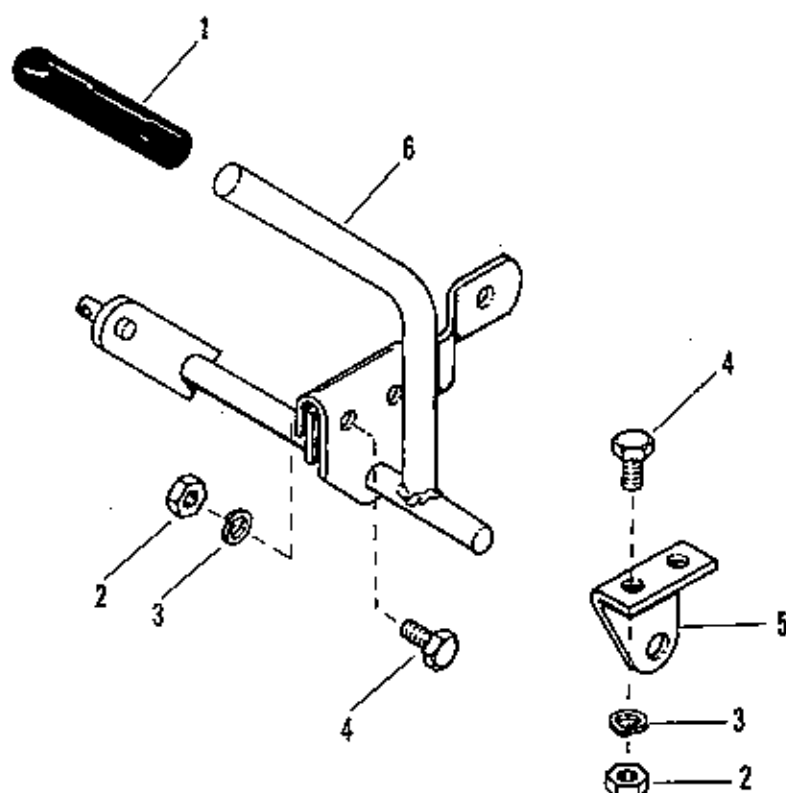
TWO WAY ADAPTOR ALLOWS BOTH
LIGHTS AND OPTIONAL HOURMETER
TO PLUG ONTO SINGLE ACCESSORY
TERMINAL OF IGNITION SWITCH

Front Light Kit (4108)

Simplicity

5/78

Ref. No.	Part No.	Qty.	Description
1	122182	1	CONNECTOR, Insulated
2	122184	1	SWITCH, Toggle
3	176912	1	CLIP, Wire
4	927428	1	SCREW, Hex Hd., Taprite, 1/4-20 x 3/8
5	1604414	1	TIE, Cable
6	1651147	1	WIRE ASSEMBLY
7	1654635	1	CLIP, Center Headlight
8	1654636	2	CLIP, Side Headlight
9	1654665	2	LIGHT ASSEMBLY
10	1654661	2	LENS, Clear Plastic
11	1654662	4	GASKET, Lens
12		2	BULB
13	1654664	2	REFLECTOR ASSEMBLY
14	1654997	1	GRILLE
15	1654998	4	SCREW, Rd. Hd., Phillips 10-32 x 3/8
16	1656071	1	WIRE ASSEMBLY, Headlights
17	172996	1	ADAPTER, 2-Way



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

PTO Lever (4008)

Simplicity

4-76

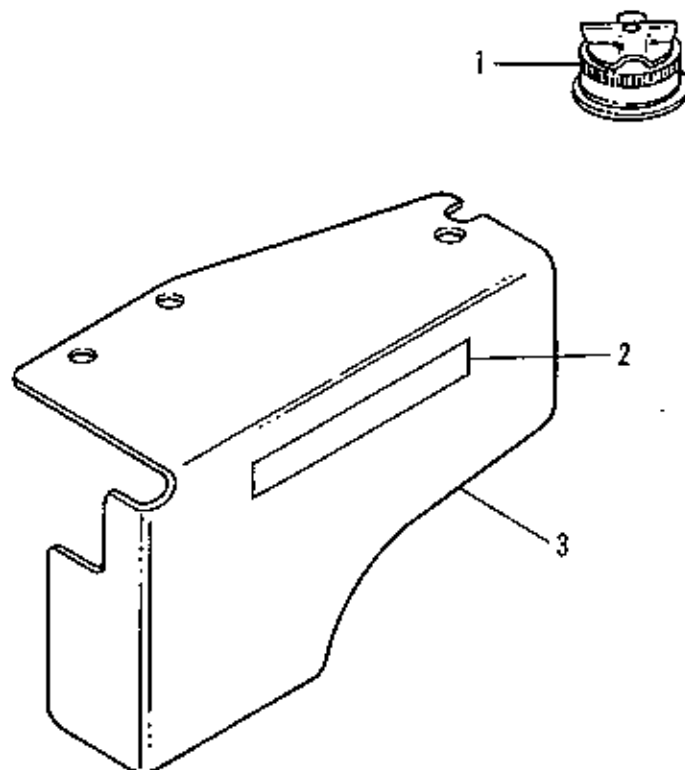
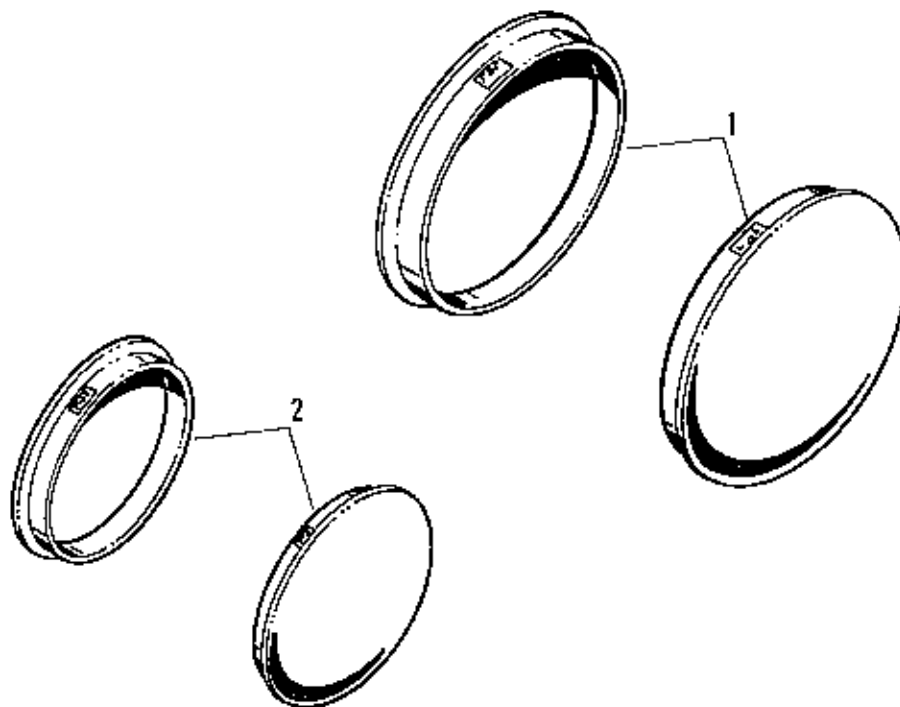
Ref. No.	Part No.	Qty.	Description
1	176934	1	HANDLE, Grip
2	916622	4	NUT, Hex Full, 1/4-20
3	916964	4	LOCKWASHER, 1/4
4	921959	4	CAPSCREW, Hex, 1/4-20 x 5/8
5	1654783	1	SUPPORT, Clutch
6	1656082	1	CLUTCH LEVER ASSEMBLY

Mfg. No. 1690197

Hour Meter

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172993	1	{00000}-{ }	METER, Hour
2	172996	1	{00000}-{ }	ADAPTOR
3	1658083	1	{00000}-{ }	WIRE ASSY (4000, 6000)
4	172998	1	{00000}-{ }	WIRE, Meter to Ground (7000, 9000)
5	1655592	1	{00000}-{ }	WIRE, Meter to Ground (4000, 6000)
6	921880	1	{00000}-{ }	LOCKWASHER, External, 1/4
7	916622	1	{00000}-{ }	NUT, Hex, Full, 1/4-20



Hub Caps

Simplicity

11-76

Ref. No.	Part No.	Qty.	Description
1	156210	2	CAP, Hub, Rear
2	156211	2	CAP, Hub, Front

Winterizing Kit

Mfg. No. 1690151

11-76

Ref. No.	Part No.	Qty.	Serial No.	Description
1	105798	1	(00000)-()	CAP, Winterized
2	170252	1	(00000)-()	FILM, Shield
3	1651562	1	(00000)-()	DEFLECTOR, Heat

TORQUE SPECIFICATION FOR STANDARD MACHINE HARDWARE

Tolerance $\pm 10\%$

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

NOTES:

- These torque values are to be used for all Simplicity hardware excluding: Locknuts, self-tapping screws, thread forming screws, and sheet metal screws.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

BOLT HEAD MARKING

S.A.E. GRADE:

- 2 
5 
8 

