



Parts Manual

07 21" 5 HP Cast Deck Side Discharge Series 7

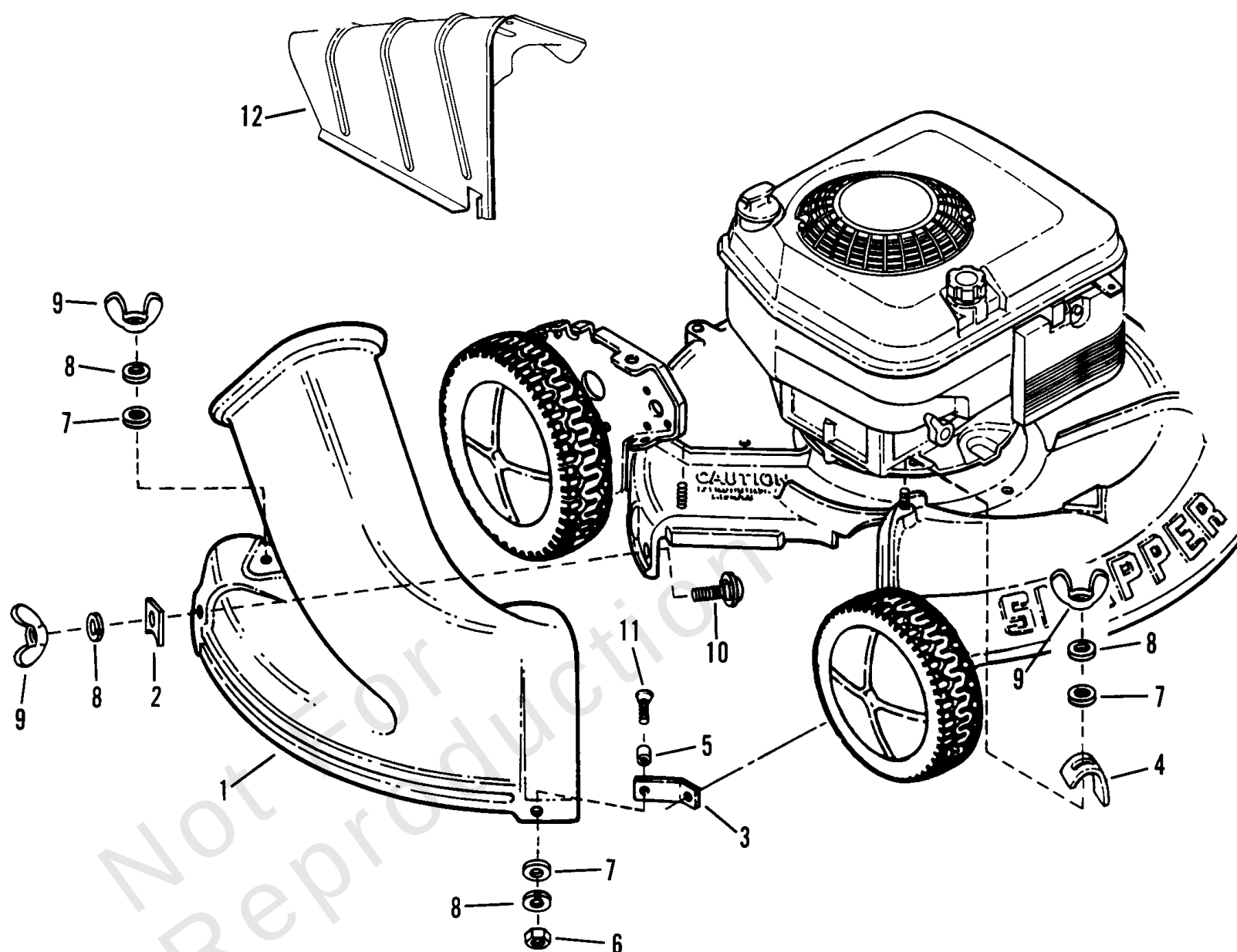
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Not For
Reproduction

Adapter, Brackets

Note: Unless noted otherwise, use the standard torque specifications

A21507 21" 5 HP Cast Deck Side Discharge Series 7



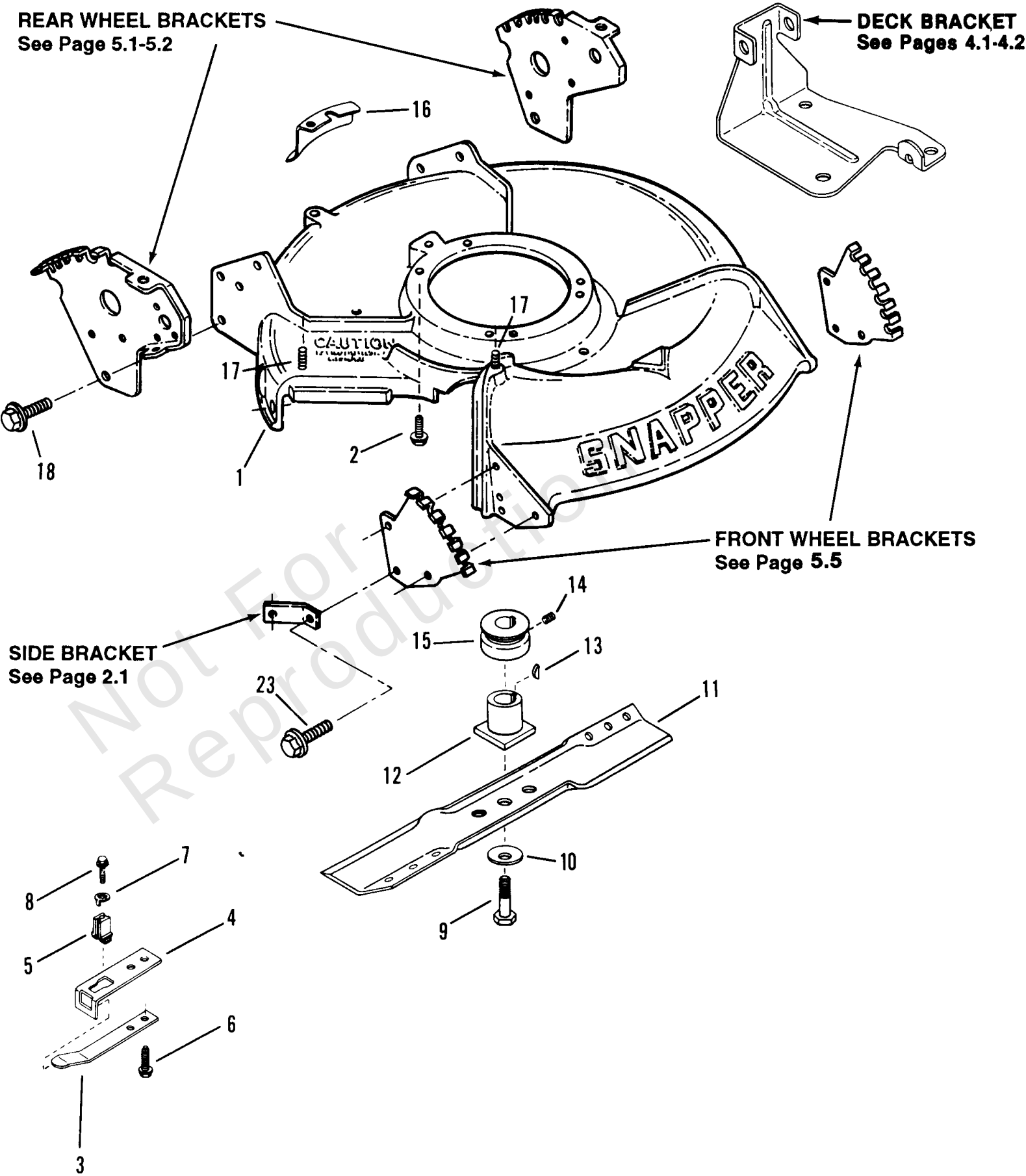
Adapter, Brackets

REF NO	PART NO	QTY	DESCRIPTION
1	7019805		ADAPTER, Grass Bag
2	7031917		PLATE, Guide
3	7031915		BRACKET, Side
4	7031123		CLAMP
5	7012310		SPACER
6	7091511		NUT, 5/16-18 Hex -Was 90196
7	7090188		WASHER, 5/16 Flat
8	7090187		WASHER, 5/16 Split Lock
9	7090375	2	NUT, 5/16-18 Wing
10	7091303		BOLT, 5/16-18 x 1" Carriage -Was 90383
11	7090549		SCREW, 5/16-18 x 1-1/8" Flat Head
12	7060287		KIT, Side Chute

Cutting Deck, Blade, Interlock

Note: Unless noted otherwise, use the standard torque specifications

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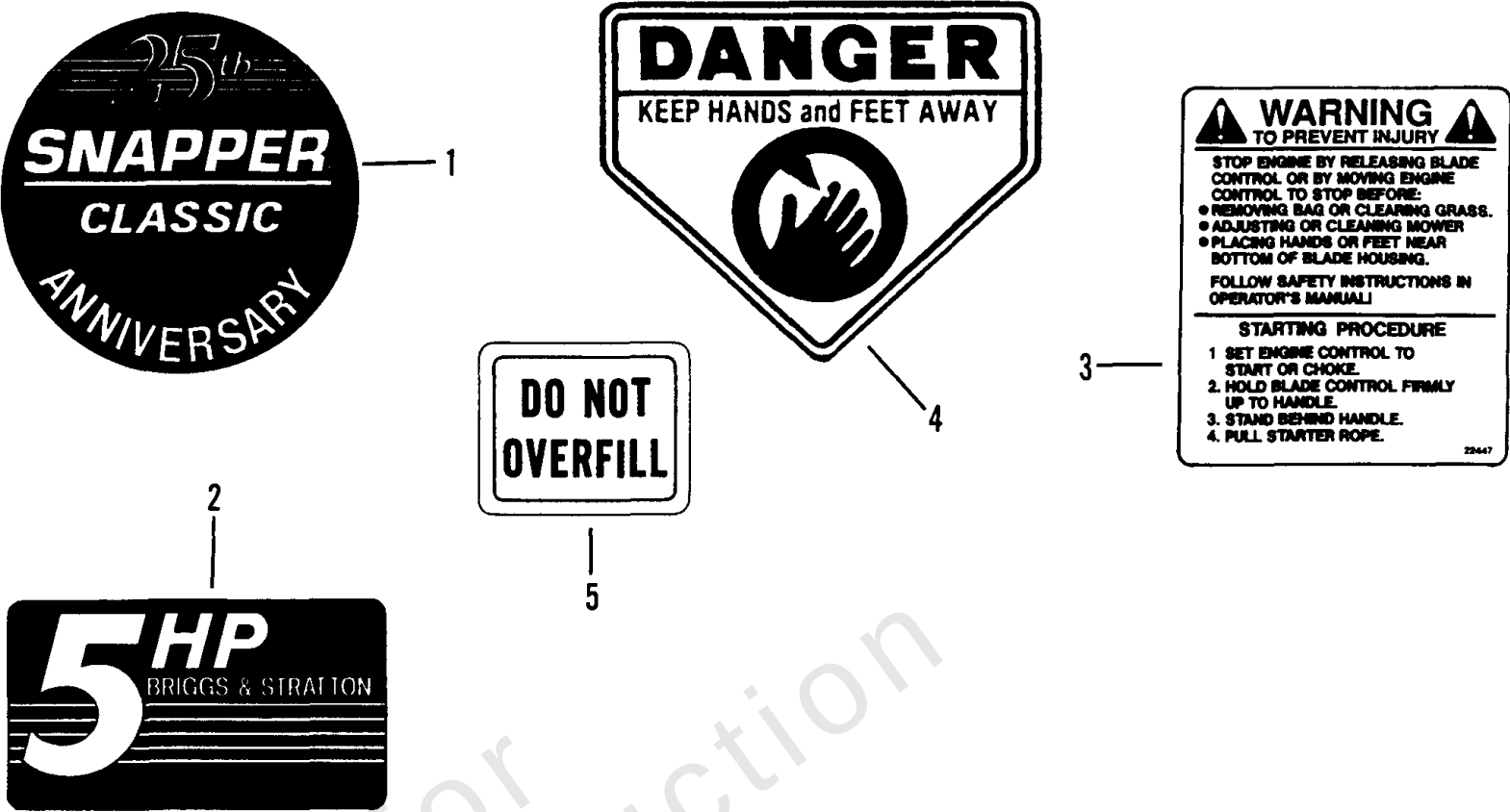
Cutting Deck, Blade, Interlock

REF NO	PART NO	QTY	DESCRIPTION
1	7022326		DECK, Mower
2	7090324		SCREW, 3/8-16 x 1" Self-Tapping (Engine Mounting)
3	7012049		SPRING, Wheel Bracket Type Interlock
4	7031955		BRACKET, Wheel Bracket Type Interlock
5	7012048		INSULATOR, Interlock
6	7091122		SCREW, 1/4-20 x 1/2" Self-Tapping -Was 90539
7	7090385		WASHER, #8 Tab Internal Tooth Lock
8	7090379		SCREW, #8-18 x 3/4" Hex Head Machine
9	7090167		SCREW, 3/8-24 x 2" Hex Head Cap (Gr.5)
10	7012063		WASHER, Cone
11	7019795		BLADE, Cutter
12	7015626		HUB, Blade Drive (25mm Dia. I.D.)
13	7015894	2	KEY, Woodruff -(Briggs)
14	7090201		SCREW, 5/16-18 x 5/16" Hex Socket Set
15	7015780		PULLEY, Engine -(Briggs)
16	7031968		SHIELD, Belt Opening Cover -(Push Models Only)
17	7011081	2	STUD, 5/16-18 x 1-1/2 Self-Tapping
18	7090361	4	SCREW, 5/16-18 x 5/8" Self-Tapping

Decals

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Decals

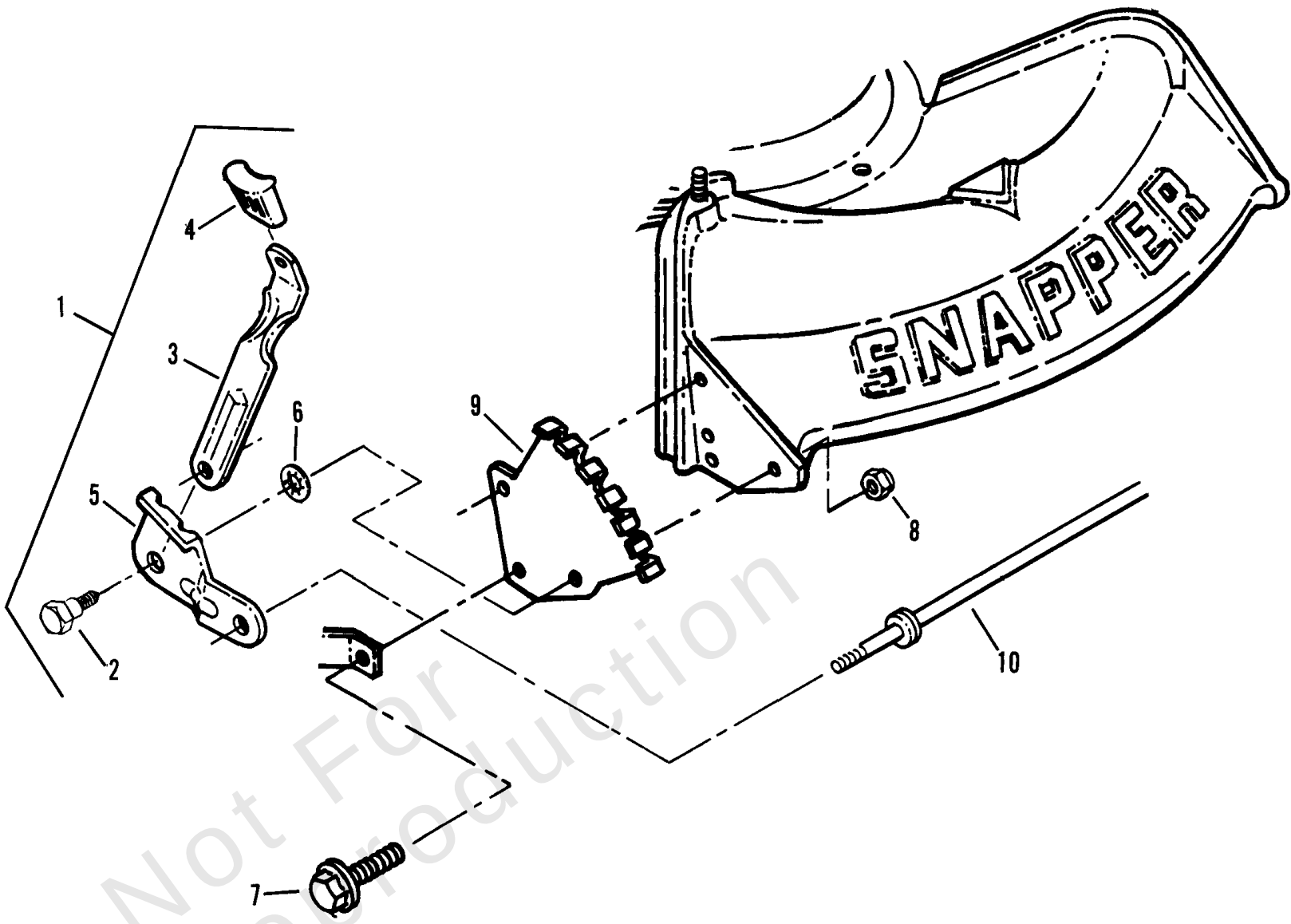
REF NO	PART NO	QTY	DESCRIPTION
1	7022440		DECAL, Recoil
2	7022441		DECAL, Housing
3	22447		DECAL, Warning
4	7013010		DECAL, Danger
5	7016803		DECAL, "DO NOT OVERFILL"

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Front Wheel Bracket, Latches

Note: Unless noted otherwise, use the standard torque specifications

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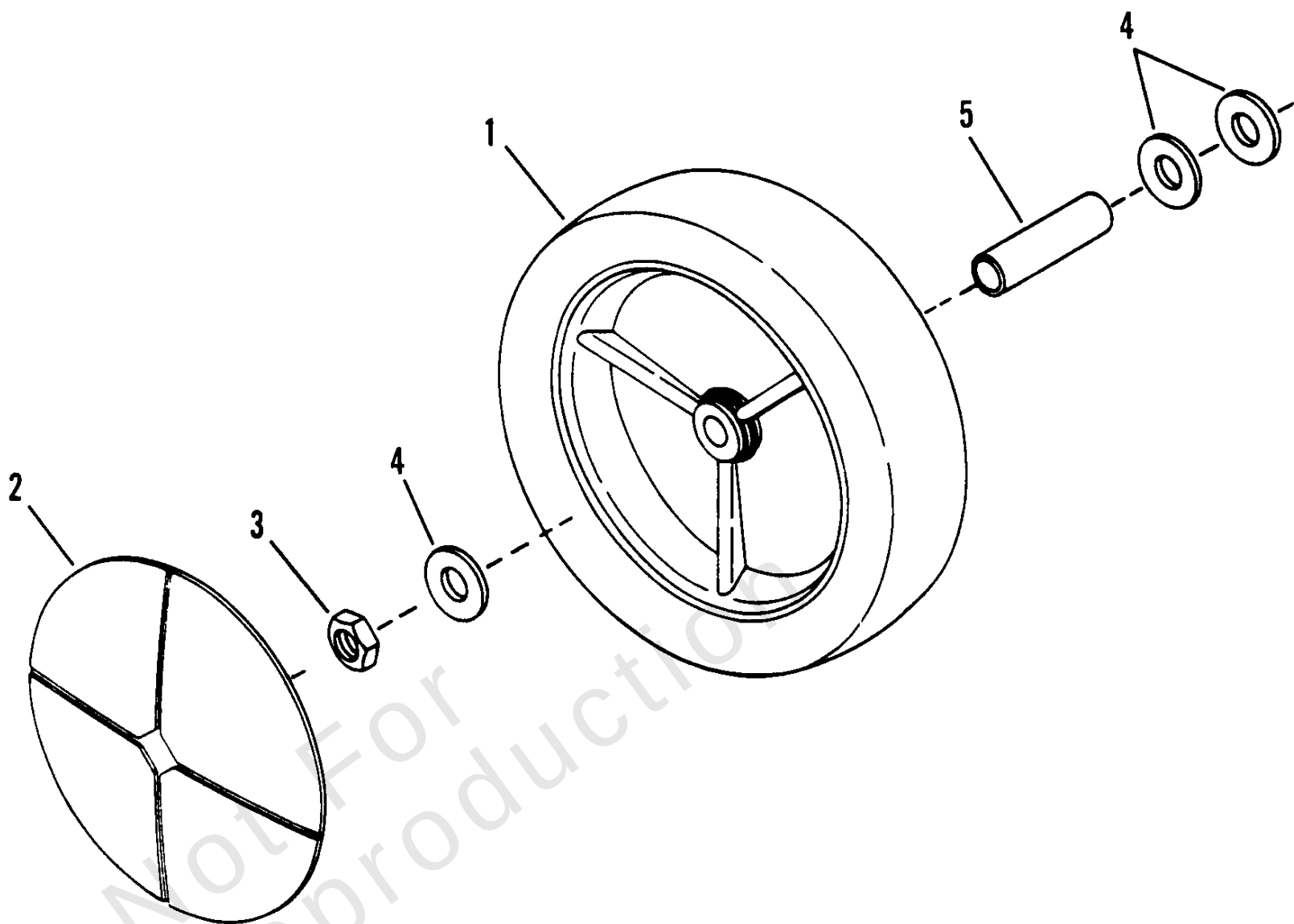
Front Wheel Bracket, Latches

REF NO	PART NO	QTY	DESCRIPTION
1	7052637		ASSEMBLY, Wheel Arm (LR) -(Consists of Items 2,3,4,5B & 6)
1	7052538		ASSEMBLY, Wheel Arm (LH)(not shown) -(Consists of items 2,3,4,5A & 6)
2	7011078	2	BOLT, 5/16 x 1" Shoulder
3	7012325	2	LATCH, Height
4	7027702	4	GRIP, Latch
5	7031017	1	ARM, Right Wheel
5	7031016	1	ARM, Left Wheel (not shown)
6	7011791	2	RETAINER, 5/16 Bolt
7	7090361	2	SCREW, 5/16-18 x 5/8" Self-Tapping
8	7091575	2	NUT, 5/16-18 Hex -Was 90184
9	7037300	2	BRACKET, Front Wheel
10	7021119	1	AXLE

Front Wheels

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Front Wheels

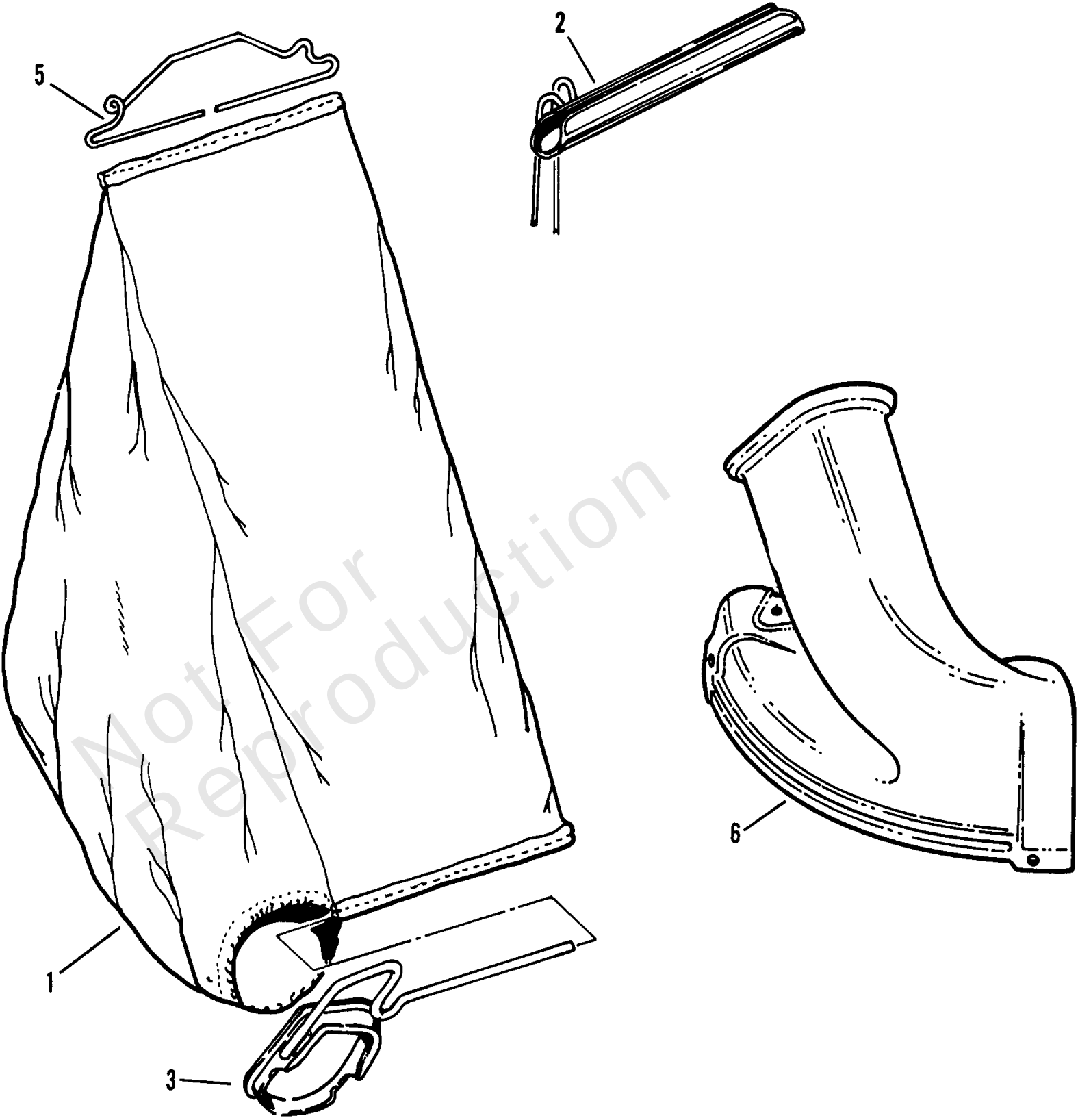
REF NO	PART NO	QTY	DESCRIPTION
1	7019195		WHEEL, 7 x 1.75 Plastic Rim -Was 19333
2	7019381		COVER, Wheel
3	7090377	2	NUT, 7/16-20 Hex Center Lock
4	7031961		WASHER, 7/16 Flat
5	7012309		BUSHING, Axle

Not For Reproduction

Grass Bag

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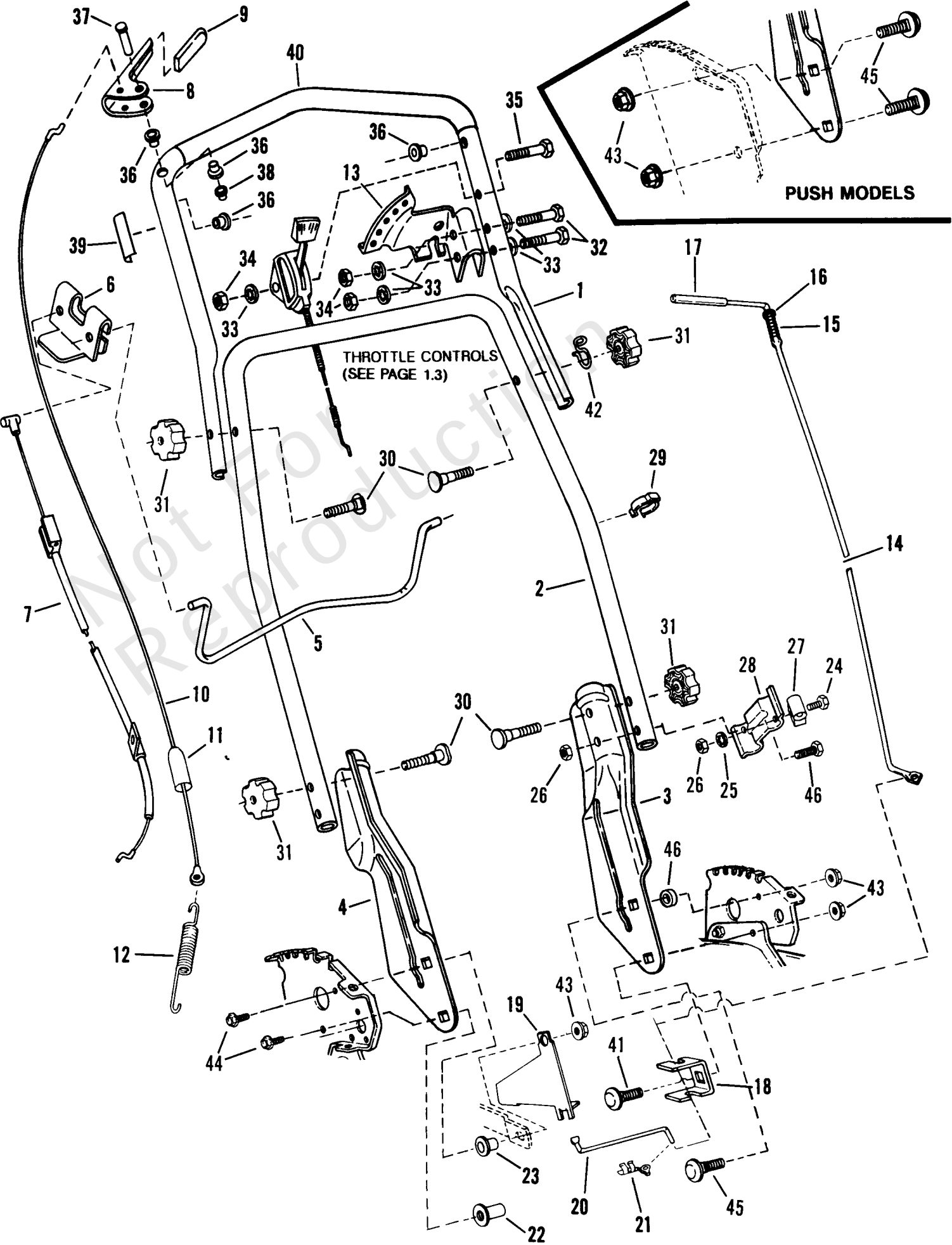
Grass Bag

REF NO	PART NO	QTY	DESCRIPTION
	7063301		ASSEMBLY, Grass Bag -Was 52491 (Includes Items 1 thru 5)
1	7074734		BAG, Grass -Was 22319
2	7050711		ASSEMBLY, Slider
3	7042489		CONNECTOR, Grass Bag -Was 47969
4	-----		BAG, Polyethylene -(NOT SHOWN)
5	7019247		WIRE, Bag Connector
6	7019805		ADAPTER, Bag

Handles & Controls

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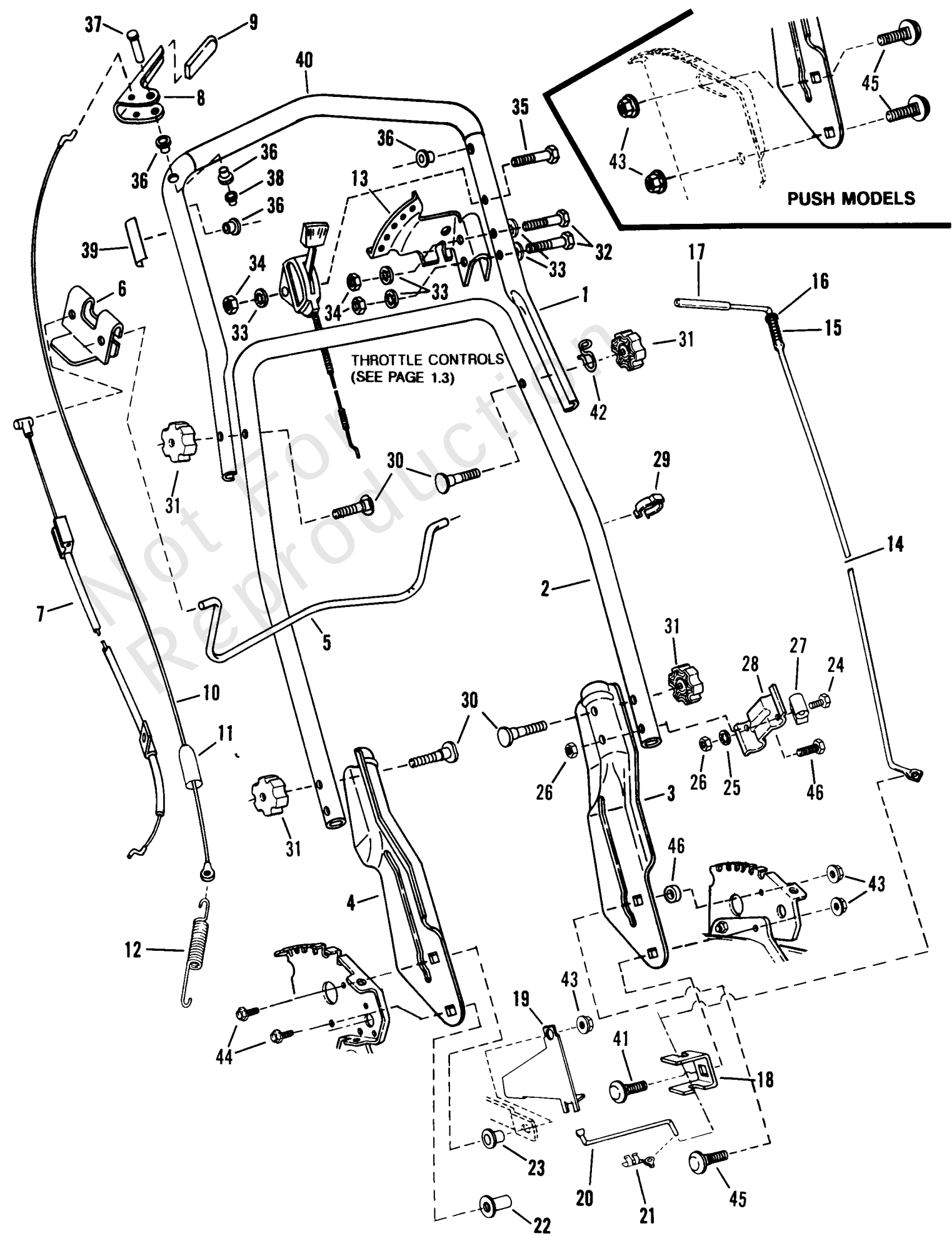
Handles & Controls

REF NO	PART NO	QTY	DESCRIPTION
1	7036354		HANDLE, Upper -Used on Push
	7036357		HANDLE, Upper -Was 36355, Used on Self-Propelled
2	7036350		HANDLE, Middle -Used on All
3	7046502		HANDLE, Lower Left Hand
4	7035342		HANDLE, Lower Right Hand -Was 38467, Used on All
5	7017072		CONTROL, Blade -Used on All
6	7033904		CLIP, Blade Control -Was 32829, Used on All
7	7016707		CABLE, Blade Control -Used on Briggs
8	7032826		HANDLE, Wheel Drive -Used on Self-Propelled
9	7014307		GRIP, Wheel Drive Handle -Used on Self-Propelled
10	7023134		CABLE, Clutch Pull(Z-Bend) -Used on Self-Propelled
11	7012121		COVER, Vinyl -Used on Self-Propelled
12	7012122		SPRING, Clutch -Used on Self-Propelled
13	7038478		SECTOR, Speed -Used on Self-Propelled
14	7023795		LEVER, Speed Control -Used on Self-Propelled
15	7012093		SPRING, Speed Control -Used on Self-Propelled
16	7090188		WASHER, 3/8" Flat -Used on All
17	7023801		GRIP, Speed Control Handle -Used on Self-Propelled
18	7032830		ANCHOR, Speed Control -Used on Self-Propelled
19	7032408		GUIDE, Lower V-Belt -Used on Self-Propelled
20	7023790		ROD, Transfer -Used on Self-Propelled
21	7010937		CLIP, Transfer Rod -Used on Self-Propelled
22	7090895		TEE - NUT, 5/16-18 -Used on Self-Propelled
23	7012114		BUSHING, Differential -Used on Self-Propelled
24	7090552		SCREW, 1/4-28 x 1-38" Hex Cap -Used on All
25	7090053		WASHER, 1/4 Internal lock -Used on All
26	7090095		HN, 1/4F GR5 YZ -Used on All
27	7022356		GUIDE, Rope -Used on All
28	7033426		BRACKET, Rope Guide -Used on All
29	7023813		CLIP, Wiring Harness
30	7091013		SCREW, 1/4-20 x 1-7/8" Curved Head -Used on All

Handles & Controls

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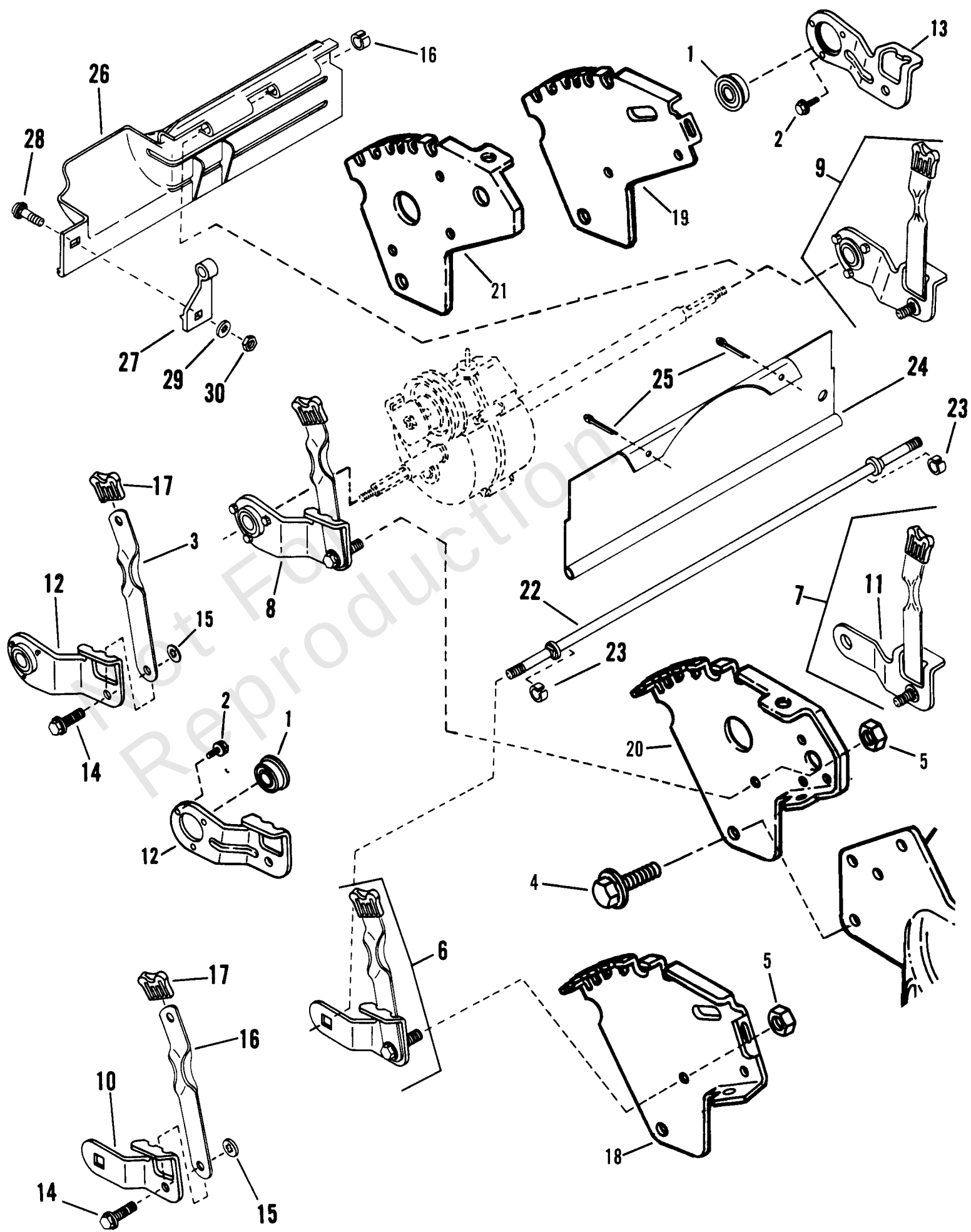
Handles & Controls

REF NO	PART NO	QTY	DESCRIPTION
31	7023735	4	KNOB, 5/16-18 -Used on All
32	7091025		SCREW, 1/4-28 x 1-3/8" Hex Cap -Used on Self-Propelled
33	7090053		WASHER, 1/4 Internal Tooth Lock -Was 91023 (Used on All)
34	7090095		HN, 1/4F GR5 YZ -Was 91024 (Used on All)
35	7091022		SCREW, 1/4-28 x 1-3/4" Hex Cap -Used on All
36	7014343		BUSHING -Used on All
37	7023792		PIN, Clutch Handle .250 x 1.50 -Used on Self-Propelled
38	7091020		NUT, Push (for handle pin) -Used on Self-Propelled
39	7023745		DECAL, Blade Control -Used on All
40	7023901		GRIP, Foam -Used on Push
	7022460		GRIP, Foam -Was 23841, Used on Self-Propelled
41	7091077		BOLT, 5/16-18 x 5/8" Carriage -Used on Self-Propelled
42	7022779		RETAINER, Rope -Was 33354, Used on All
43	7091601		NUT, 5/16-18 Hex Flange Lock -Was 90585 (Used on All)
44	7090661		BOLT, 5/16-18 x 1" Hex Flange Lock -Used on All
45	7091303		BOLT, 5/16-18 x 1" Carriage -Was 90383 (Used on All)
46	7090111		SCREW, 1/4-28 x 1-3/4" Hex Cap -Used on All

Rear Wheel Brackets, Latches

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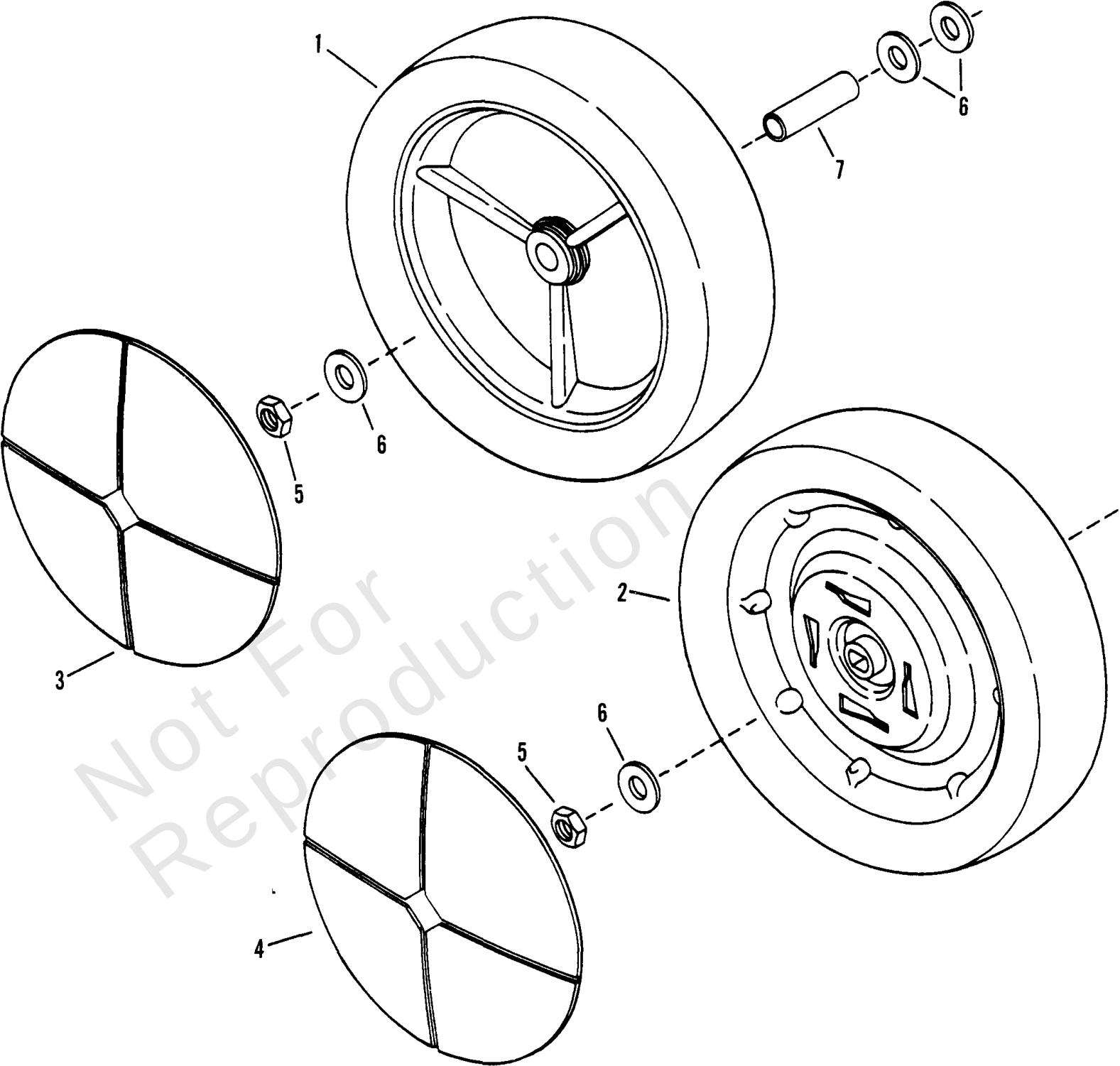
Rear Wheel Brackets, Latches

REF NO	PART NO	QTY	DESCRIPTION
1	7046983		BEARING -Was 18767
2	7091012	3	SCREW, #10-32 x 3/8" Self-Tapping
3	7035717		LATCH, Height Adjusting -Was 19218
4	7090361	2	SCREW, 5/16-18 x 5/8" Self-Tapping
5	7091601	6	NUT, 5/16-18 Hex Flange Lock -Was 90585
6	7052909		ASSEMBLY, Wheel Arm (Square Hole, Front Left & Rear Right) -Was 52541 (Includes Items 3,10,14,15 & 17)
7	7052908		ASSEMBLY, Wheel Arm (Round Hole, Front Right & Rear Left) -Was 52542 (Includes Items 3,11,14,15 & 17)
8	7054246		ASSEMBLY, Wheel Arm (Rear Right "P" Models) -Was 51814 (Includes Items 1,2,3,12,14,15,16,17 & 25)
9	7054247		ASSEMBLY, Wheel Arm (Rear Left "P" Models) -Was 51815 (Includes Items 1,2,3,13,14,15,16,17 & 25)
10	7031016		ARM, (Square Axle End)
11	7031017		ARM, (Round Axle End)
12	7032722		ARM, Wheel Rear Right -"P" Models
13	7032723		ARM, Wheel Rear Left -"P" Models
14	7011078		BOLT, 5/16-18 x 1" Shoulder
15	7011791		RETAINER, 5/16 Bolt
16	7023791		RING
17	7027702		GRIP, Latch
18	7037275		BRACKET, Right Rear Wheel -(Push Models)
19	7037277		BRACKET, Left Rear Wheel -(Push Models)
20	7033418		BRACKET, Right Rear Wheel -(Self-Propelled "P" models)
21	7037309		BRACKET, Left Rear Wheel -(Self-Propelled "P" models)
22	7021119		AXLE -(Rear-Push Models, also front axle on all models)
23	7011780	2	RING -(Push Models)
24	7031763		GUARD, Rear Foot -(Push Models)
25	7091809	2	PIN, 1/8 x 1-1/2" Cotter -Was 90297
26	7019522		GUARD, Rear Foot -(Self-Propelled "P" models)
27	7012616		SUPPORT, Foot Guard
28	7091604		BOLT, 1/4-20 x 1/2" Short Neck Carriage (Gr.5) -Was 90005
29	7090053		WASHER, 1/4 Internal Tooth Lock -Was 91023
30	7091576		NUT, 1/4-20 Hex -Was 90063

Rear Wheels

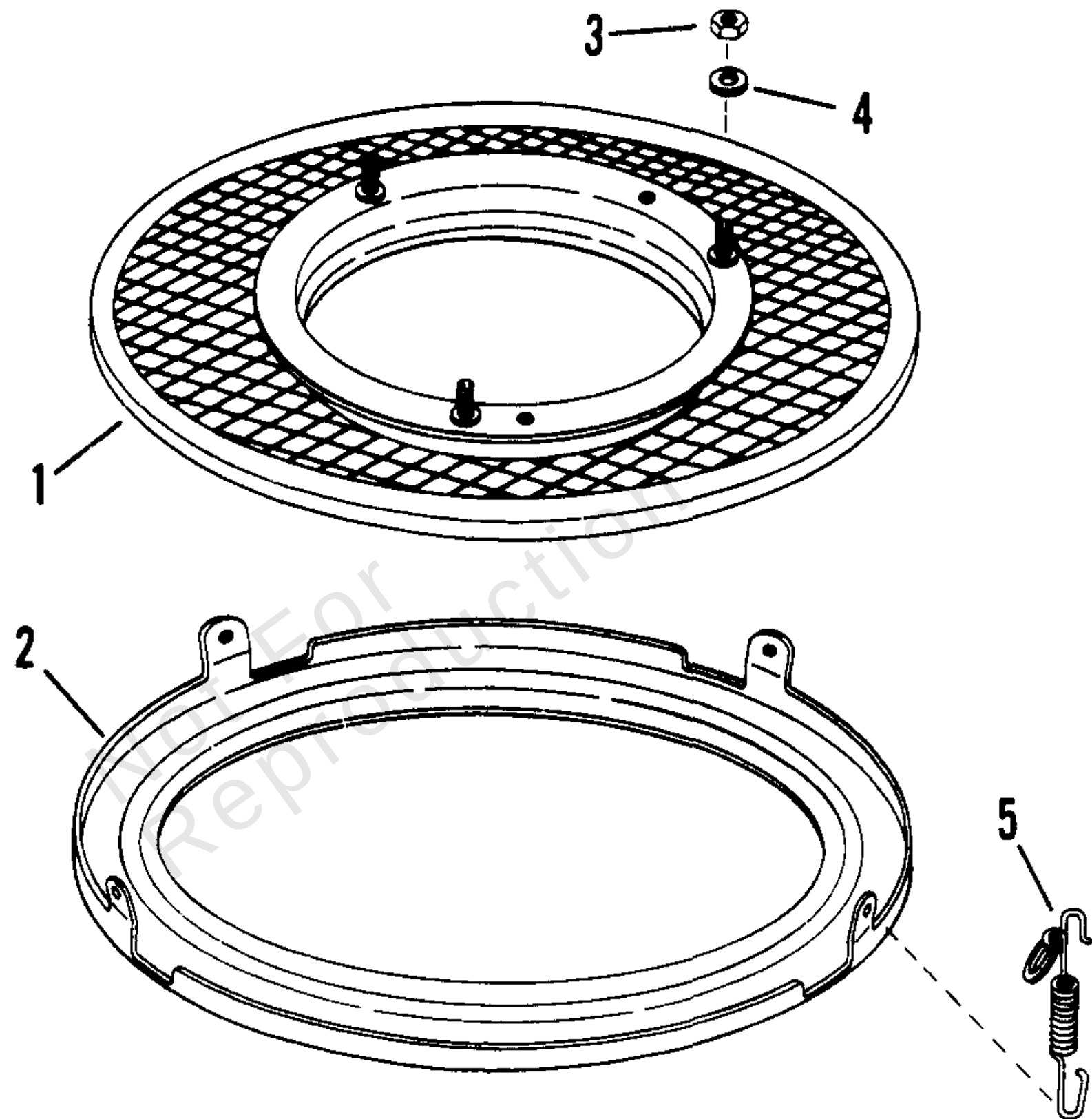
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Rear Wheels

REF NO	PART NO	QTY	DESCRIPTION
1	7019420		WHEEL, 9 x 2.00 Plastic Rim -Was 19334 (Push Models)
2	7022801		WHEEL, 9 x 2.00 Steel Rim -Was 19336 (Self-Propelled)
3	7019385		COVER, Wheel -(Push)
4	19339		COVER, Wheel -(Self-propelled)
5	7090377	2	NUT, 5/16-18 Hex Center Lock
6	7031961		WASHER, 7/16 Flat
7	7012309		BUSHING, Axle



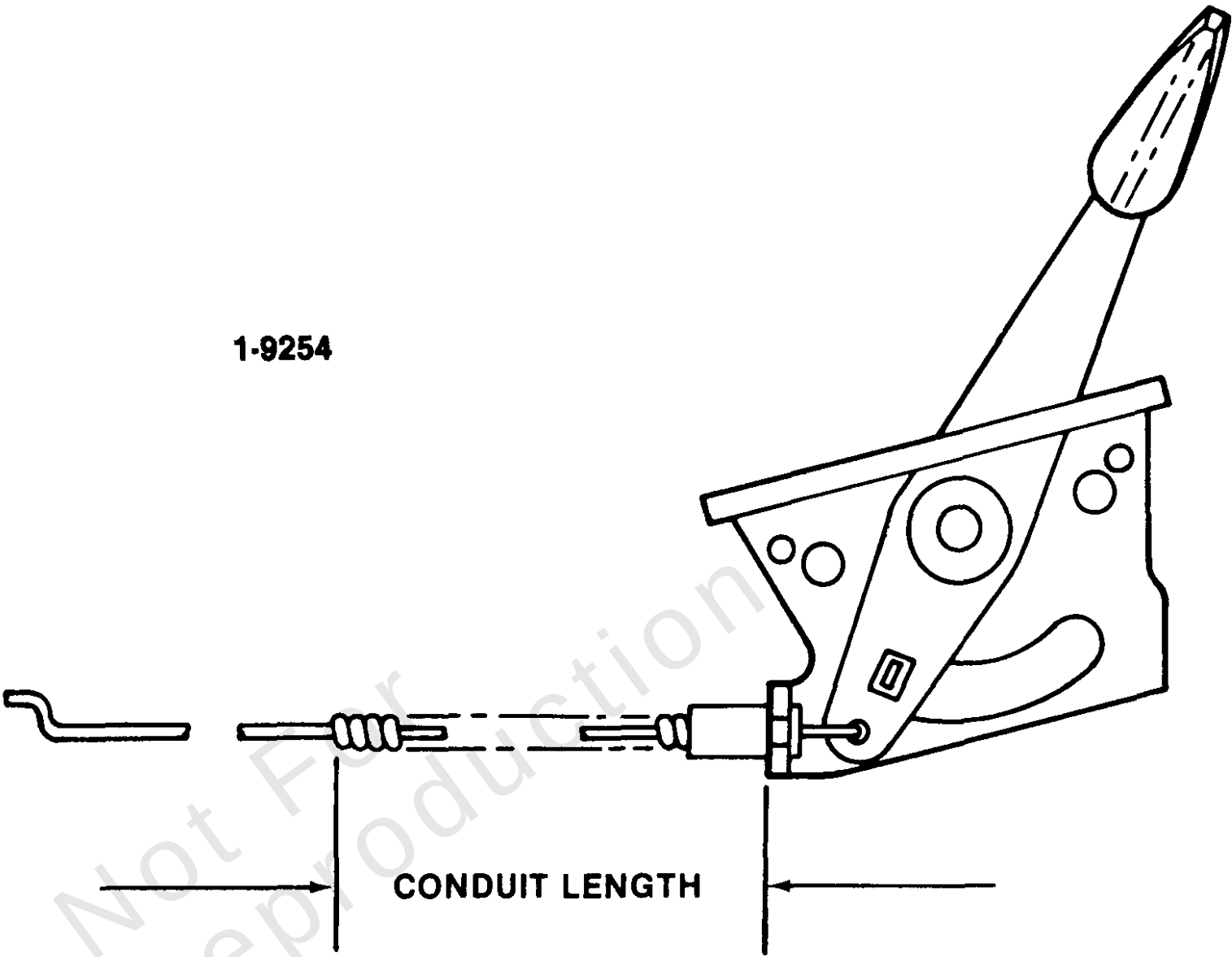
Snapperizer

REF NO	PART NO	QTY	DESCRIPTION
	7060295		KIT, Snapperizer -(Includes items 1 thru 5)
1	7051243		SCREEN, Fastener Assembly
2	7039759		RING, Bottom
3	7091297	3	NUT, 5/16-24 Hex -Was 90223
4	7090187	3	WASHER, 5/16 Split Lock
5	7012587	3	SPRING
	7061201		KIT, Recycling Plug -Was 61032
	7017168		BLADE, 21"
	7016814		PLUG, Chute Adapter
	7090167		SCREW, 3/8 - 24 x 2" Hex Head Cap
	7012063		WASHER, Cone

Throttle Controls

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Throttle Controls

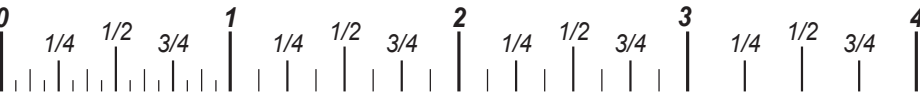
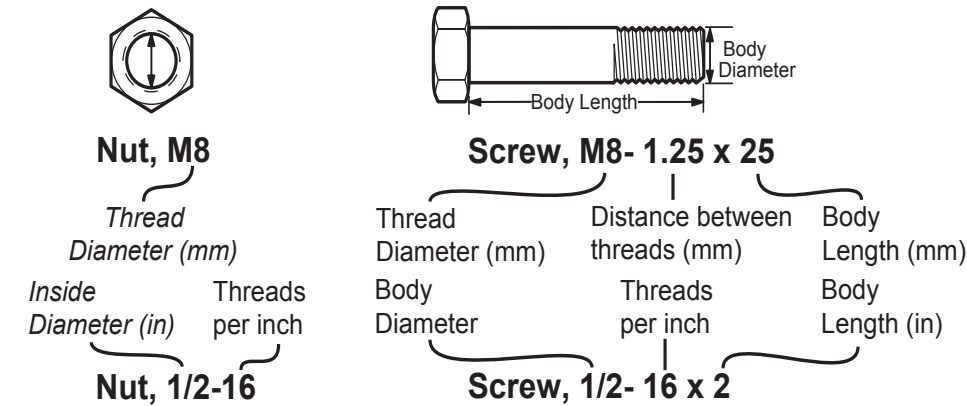
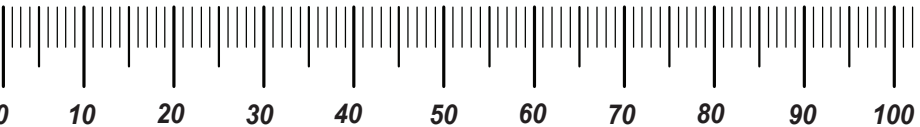
REF NO	PART NO	QTY	DESCRIPTION
1-9254	7019254		Throttle Controls -Briggs Engine, 4 Cycle, Conduit Length 45.0"

Not For Reproduction

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

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



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

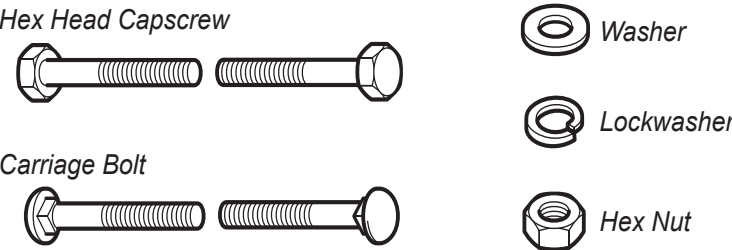
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	29	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

- 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.

Common Hardware Types



Wrench & Fastener Size Guide

 1/4" Bolt or Nut Wrench—7/16"	 5/16" Bolt or Nut Wrench—1/2"	 3/8" Bolt or Nut Wrench—9/16"	 7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"	 1/2" Bolt or Nut Wrench—3/4"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm

