



Parts Manual

Mfg. No: 48L20AH0-00
96042015900, 20 Gross HP 48" Murray
Lawn Tractor (Export) (2015)

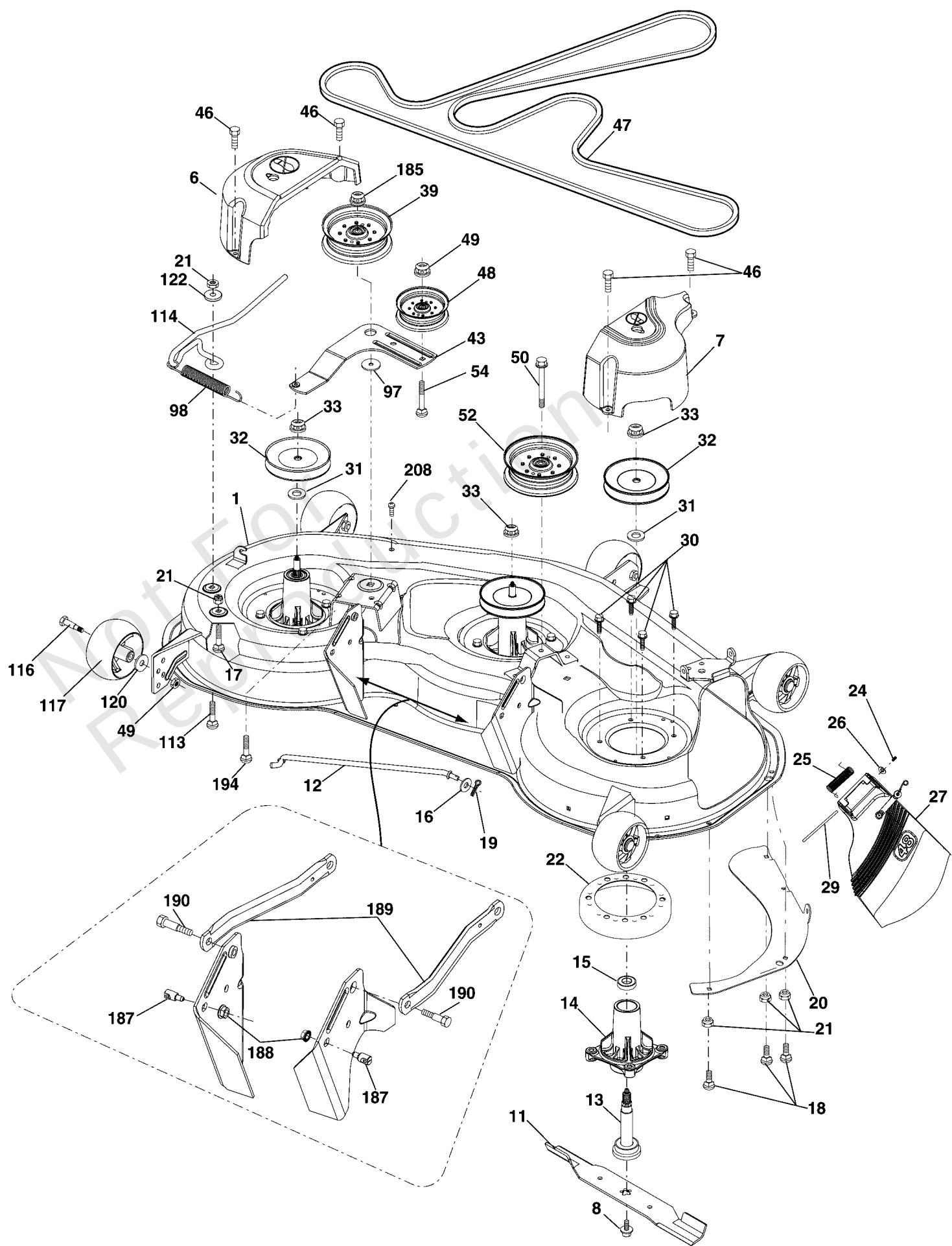
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Not For
Reproduction

48" Mower Deck - Housing, Arbors & Blades Group (48L20AH0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L20AH0-00



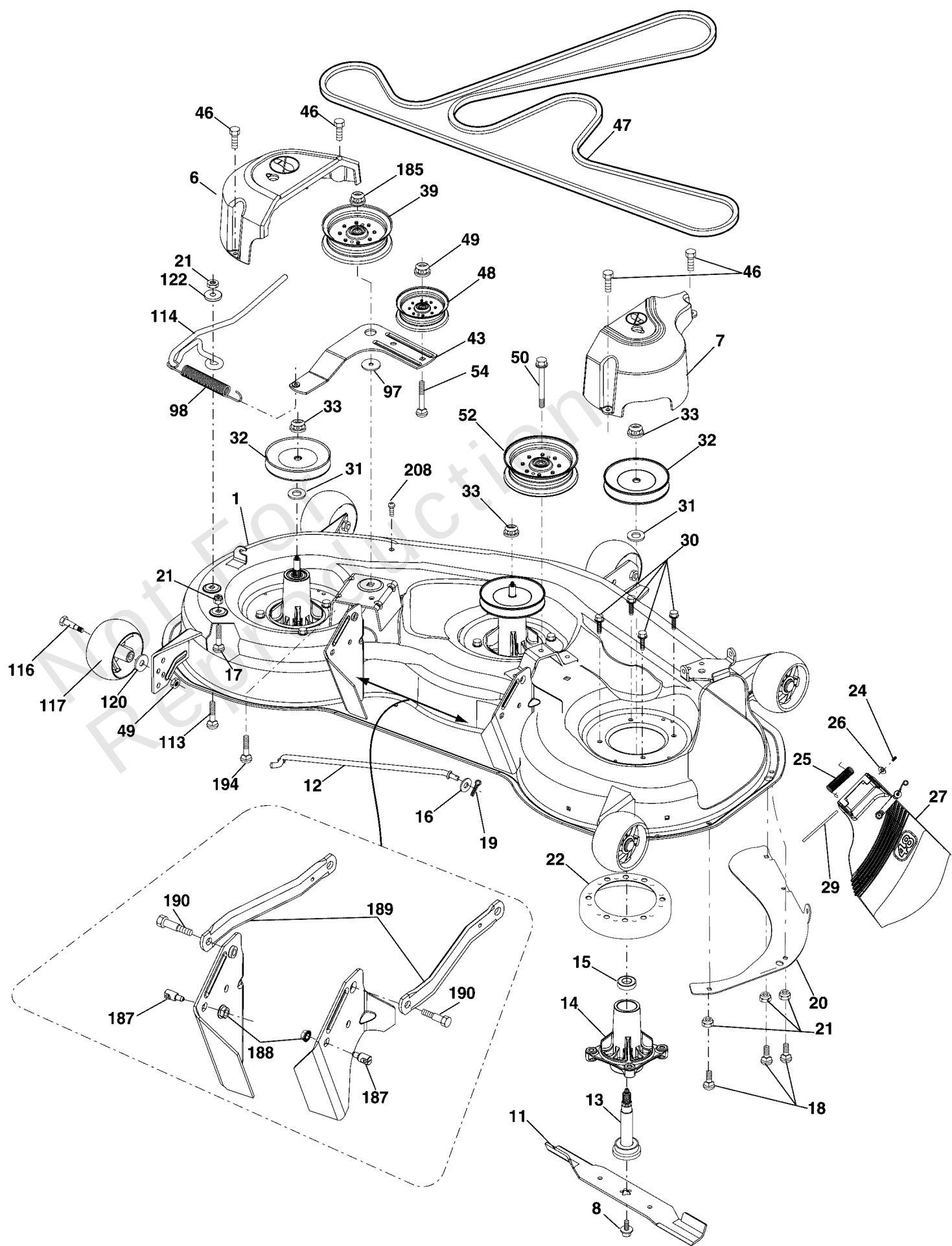
48" Mower Deck - Housing, Arbors & Blades Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
1	197216		Deck Weldment Mower -See your local Murray distributor for parts and service.
6	197248		Cover Mandrel LH -See your local Murray distributor for parts and service.
7	587452401		Cover Mandrel RH -See your local Murray distributor for parts and service.
8	193003		Bolt 7/16 Asm. -See your local Murray distributor for parts and service.
11	180054		Blade High Lift -See your local Murray distributor for parts and service.
12	404851		Rod Anti-Sway -See your local Murray distributor for parts and service.
13	187291		Shaft Asm. w/Lower Bearing -See your local Murray distributor for parts and service.
14	187281		Housing, Mandrel -See your local Murray distributor for parts and service.
15	110485X		Bearing, Ball, Mandrel -See your local Murray distributor for parts and service.
16	19131312		Washer 13/32 x 13/16 x 12 Ga. -See your local Murray distributor for parts and service.
17	72110505		Bolt 5/16-18 x 5/8 -See your local Murray distributor for parts and service.
18	72140505		Bolt RdHd 5/16-18 unc x 5/8 -See your local Murray distributor for parts and service.
19	194208		Pin Cotter 5/16 Bow Tie Lock -See your local Murray distributor for parts and service.
20	174378		Baffle Vortex -See your local Murray distributor for parts and service.
21	73680500		Nut, Crownlock 5/16-18 unc -See your local Murray distributor for parts and service.
22	174493		Stripper Mandrel Deck -See your local Murray distributor for parts and service.
24	105304X		Cap Sleeve -See your local Murray distributor for parts and service.
25	178102		Spring, Torsion -See your local Murray distributor for parts and service.
26	110452X		Nut, Push -See your local Murray distributor for parts and service.
27	180655X428		Deflector Shield -See your local Murray distributor for parts and service.
29	131491		Rod, Hinge -See your local Murray distributor for parts and service.
30	173984		Screw, Thdroll Washer Head -See your local Murray distributor for parts and service.
31	187690		Spacer, Mandrel -See your local Murray distributor for parts and service.
32	153532		Pulley, Mandrel -See your local Murray distributor for parts and service.
33	400234		Nut, Flg. Top Lock -See your local Murray distributor for parts and service.
39	197380		Pulley, Idler -See your local Murray distributor for parts and service.
43	196065		Arm, Idler -See your local Murray distributor for parts and service.
46	137729		Screw, Thdroll. 1/4-20 x 5/8 -See your local Murray distributor for parts and service.
47	197242		Belt Drive Deck -See your local Murray distributor for parts and service.
48	193197		Pulley Idler Primary -See your local Murray distributor for parts and service.

48" Mower Deck - Housing, Arbors & Blades Group (48L20AH0)

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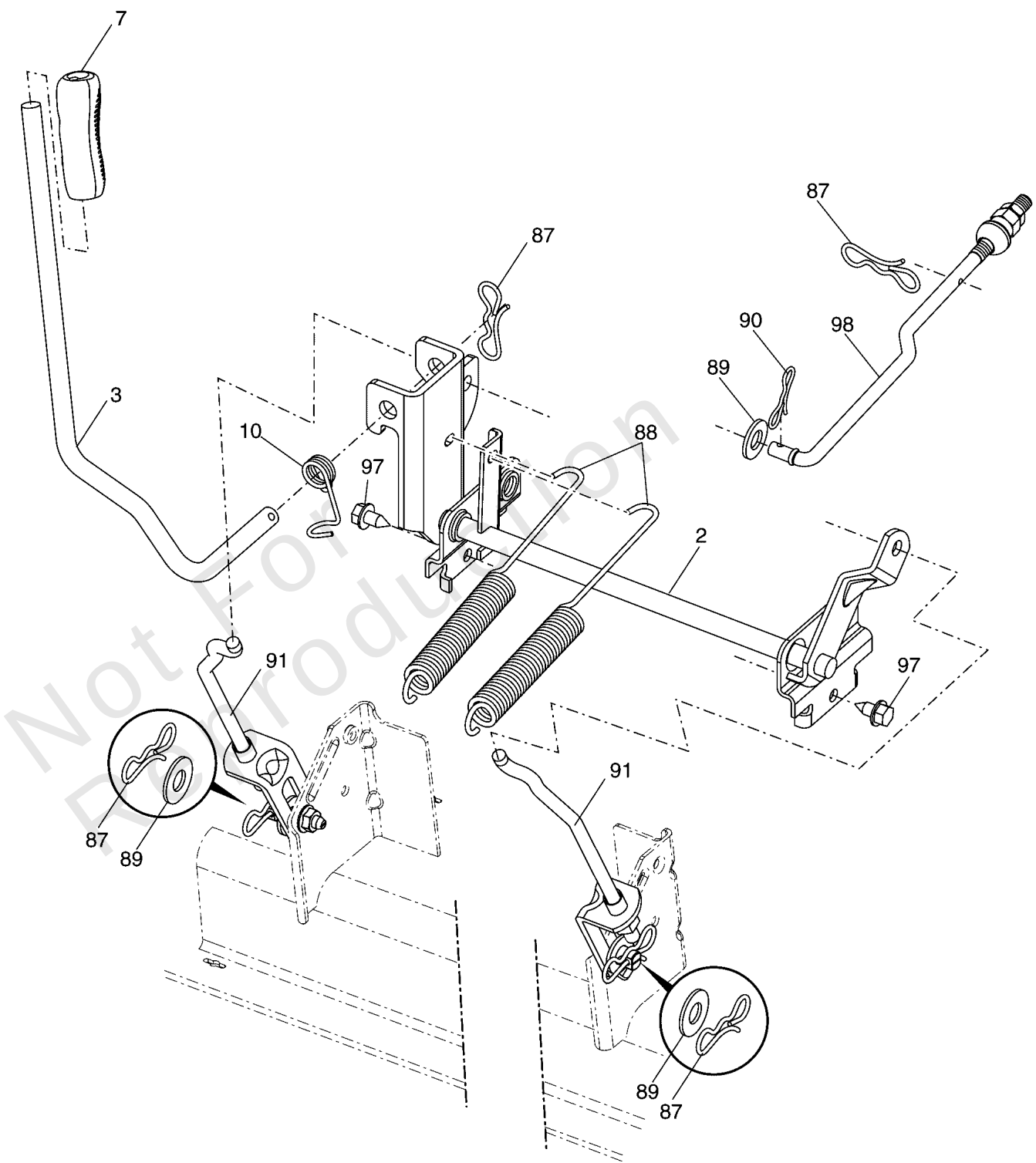
48" Mower Deck - Housing, Arbors & Blades Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
49	73900600		Nut, Lock Flg. 3/8-16 unc -See your local Murray distributor for parts and service.
50	17490636		Screw 3/8-16 x 2-1/4 unc -See your local Murray distributor for parts and service.
52	197379		Pulley Idler -See your local Murray distributor for parts and service.
54	72110612		Bolt Carr. 3/8-16 x 1-1/2 Gr. 5 -See your local Murray distributor for parts and service.
97	178515		Washer Hardened -See your local Murray distributor for parts and service.
98	196105		Spring Drive -See your local Murray distributor for parts and service.
113	72110508		Bolt Rdhd Sqnk 5/16-18 x 3/4 -See your local Murray distributor for parts and service.
114	197451		Rod Tension Relief -See your local Murray distributor for parts and service.
116	193406		Bolt, Shoulder -See your local Murray distributor for parts and service.
117	174873		Gauge Wheel -See your local Murray distributor for parts and service.
120	19132012		Washer 13/32 x 1-1/4 x 12 Ga. -See your local Murray distributor for parts and service.
122	187557		Bushing Tension Relief -See your local Murray distributor for parts and service.
185	73900700		Nut Lock Flange 7/16-14 Gr. 5 -See your local Murray distributor for parts and service.
187	195161		Stud Fastr. w/"D" Anti-Rotation -See your local Murray distributor for parts and service.
188	73900500		Nut Lock Hex Flange -See your local Murray distributor for parts and service.
189	195185		Arm Susp. Mower Rear -See your local Murray distributor for parts and service.
190	196539		Bolt Shoulder -See your local Murray distributor for parts and service.
194	74490736		Bolt Hex 7/16-14 Gr. 5 -See your local Murray distributor for parts and service.
208	17670608		Screw 3/8-16 x 1/2 -See your local Murray distributor for parts and service.
--	187292		Mandrel Assembly -(Includes Ref. Nos. 13, 14 & 15 only; pulley/nut/washer & blade bolt/washers not included)
--	199859		Replacement Mower, Complete -See your local Murray distributor for parts and service.

48" Mower Deck - Lift Group (48L20HA01)

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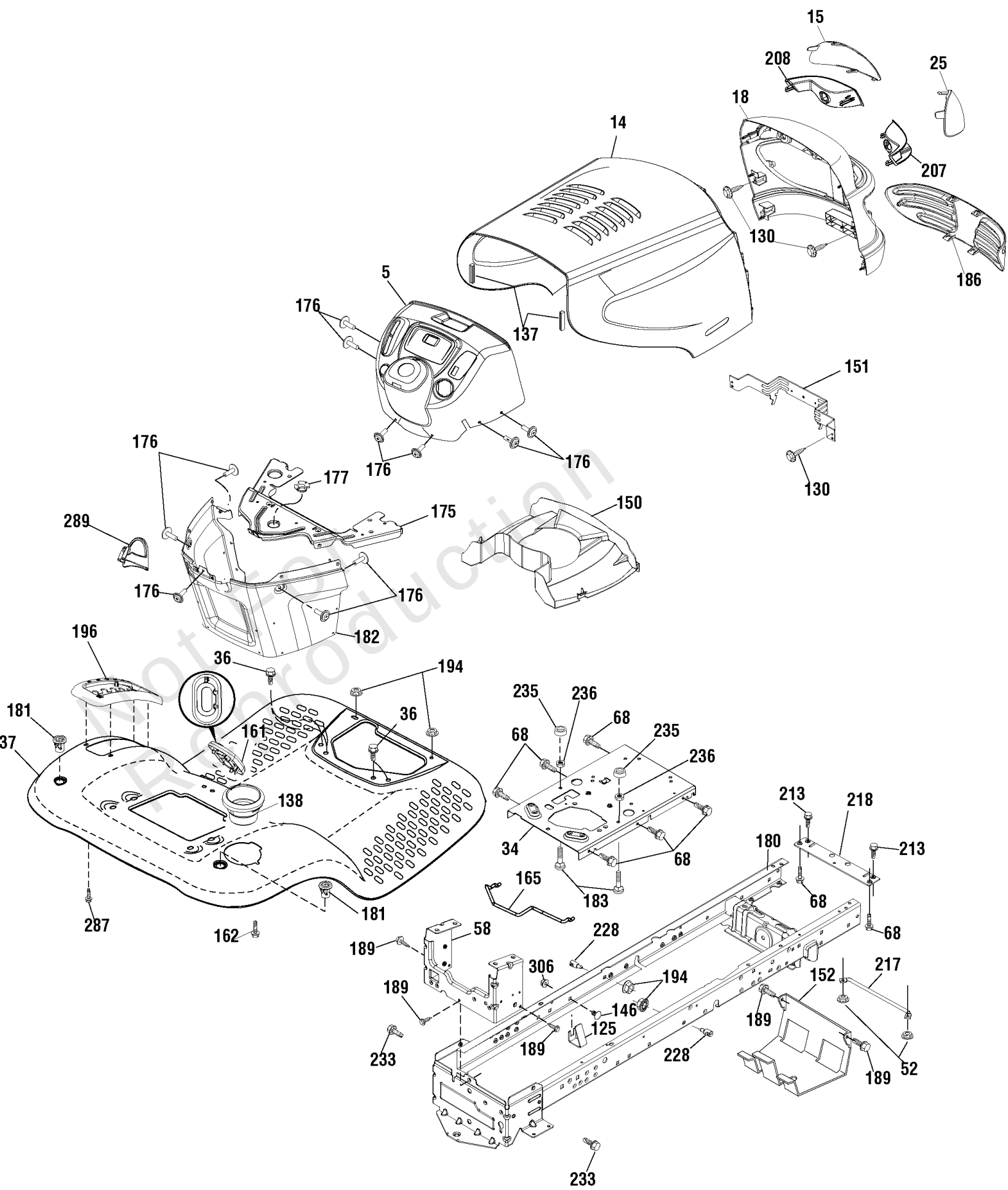
48" Mower Deck - Lift Group (48L20HA01)

REF NO	PART NO	QTY	DESCRIPTION
2	422027		Shaft Asm., Cross Lift -See your local Murray distributor for parts and service.
3	195231		Lever Asm., Lift -See your local Murray distributor for parts and service.
7	445060X428		Grip, Lever -See your local Murray distributor for parts and service.
10	196314		Spring Torsion -See your local Murray distributor for parts and service.
87	194209		Pin Cotter 7/16 Bow Tie Lock -See your local Murray distributor for parts and service.
88	410710		Spring Lift Assist -See your local Murray distributor for parts and service.
89	19191912		Washer Clear Zinc -See your local Murray distributor for parts and service.
90	194208		Pin Cotter 5/16 Bow Tie Lock -See your local Murray distributor for parts and service.
91	195181		Link Lift Susp Mower Rear -See your local Murray distributor for parts and service.
97	17000612		Screw 3/8-16 x .75 Smgml Tap/R.Z -See your local Murray distributor for parts and service.
98	195264		Link Lift Susp. Front Mower -See your local Murray distributor for parts and service.

Chassis Group (48L20AHO)

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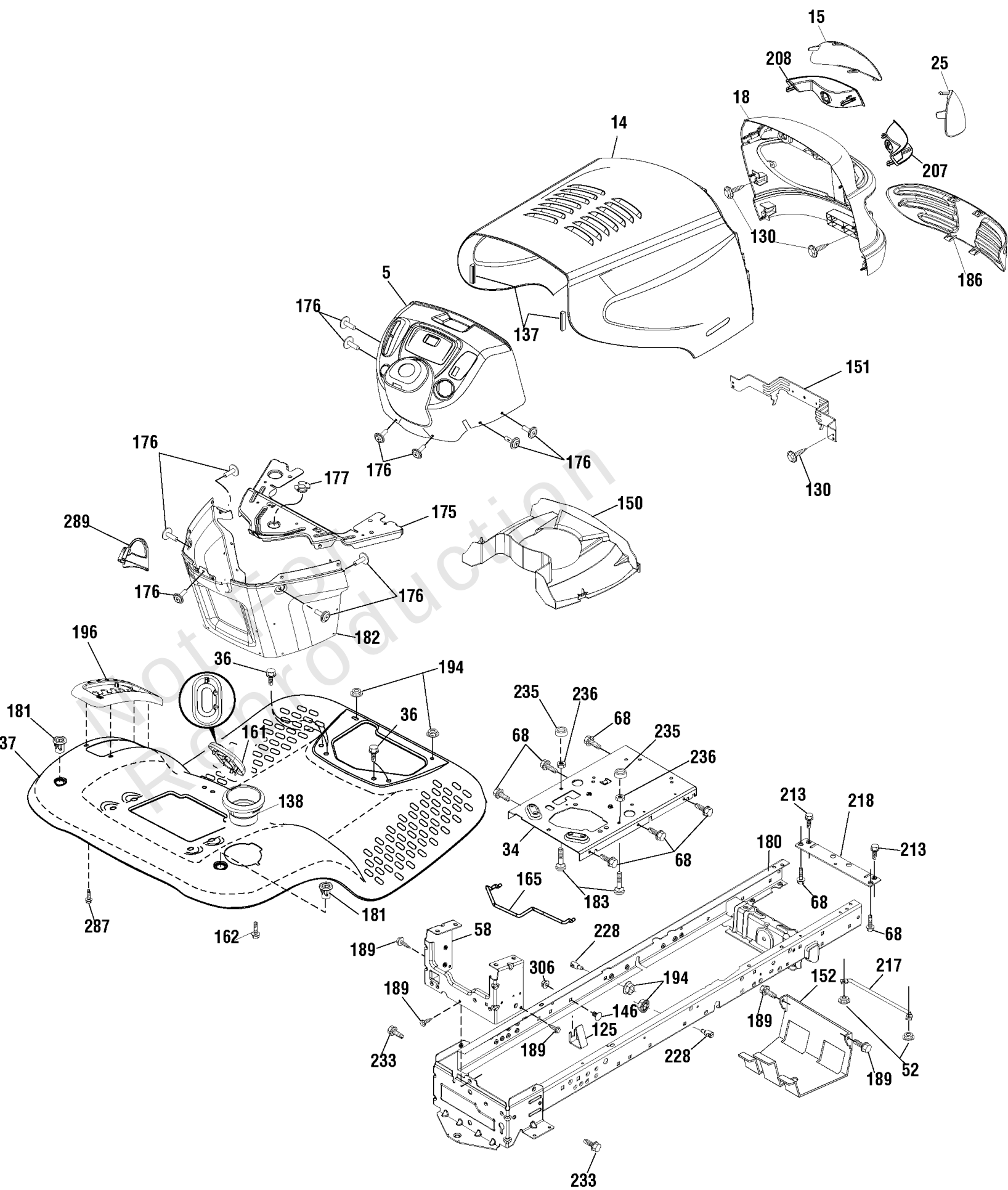
Chassis Group (48L20AHO)

REF NO	PART NO	QTY	DESCRIPTION
5	199649X428		Dash -See your local Murray distributor for parts and service.
14	183393X428		Hood -See your local Murray distributor for parts and service.
15	183834X599		Lens Grille LH -See your local Murray distributor for parts and service.
18	188223X428		Grille -See your local Murray distributor for parts and service.
25	183835X599		Lens Grille RH -See your local Murray distributor for parts and service.
34	580910801		Plate Engine -See your local Murray distributor for parts and service.
36	17060512		Screw 5/16-18 x 3/4 -See your local Murray distributor for parts and service.
37	414870X428		Fender -See your local Murray distributor for parts and service.
52	73680500		Nut Crown Lock 5/16-18 -See your local Murray distributor for parts and service.
58	412280		Drawbar Upper -See your local Murray distributor for parts and service.
68	17490508		Screw Thdrol 5/16-18 x 1/2 -See your local Murray distributor for parts and service.
125	581684801		Clip Fuel Line -See your local Murray distributor for parts and service.
130	416358		Screw #10 x 0.750 -See your local Murray distributor for parts and service.
137	184921		Bumper Hood -See your local Murray distributor for parts and service.
138	193224X428		Cupholder -See your local Murray distributor for parts and service.
146	581857901		Bolt -See your local Murray distributor for parts and service.
150	189350		Duct Heat Hood -See your local Murray distributor for parts and service.
151	407807		Bracket Pivot -See your local Murray distributor for parts and service.
152	199535		Shield Browning -See your local Murray distributor for parts and service.
161	193229X428		Window Fuel -See your local Murray distributor for parts and service.
162	142432		Screw Hex Wsh Hi-Lo 1/4 x 1/2 -See your local Murray distributor for parts and service.
165	196826		Support Tank Rear -See your local Murray distributor for parts and service.
175	193243		Crossmember -See your local Murray distributor for parts and service.
176	400776		Screw 10-24 x 5/8 Wshd Qdrx -See your local Murray distributor for parts and service.
177	195228		Bushing Steering -See your local Murray distributor for parts and service.
180	415063		Chassis -See your local Murray distributor for parts and service.
181	193102X428		Bushing Mtg. Fender Crgo. -See your local Murray distributor for parts and service.
182	193057		Dash Lower -See your local Murray distributor for parts and service.
183	74520520		Bolt Full Thd 5/16-18 x 1-1/4 -See your local Murray distributor for parts and service.
186	183829X428		Insert Grille -See your local Murray distributor for parts and service.

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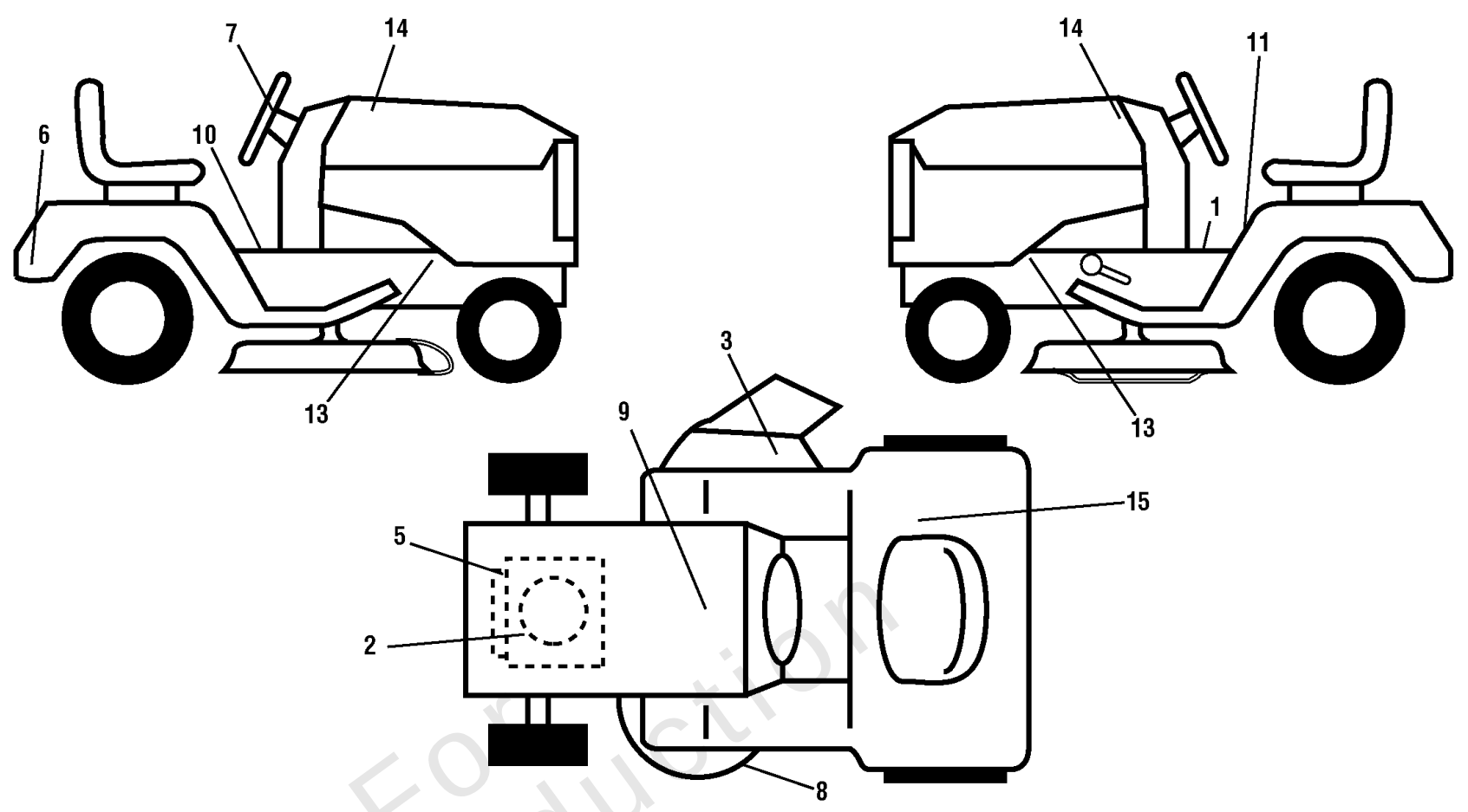
Chassis Group (48L20AHO)

REF NO	PART NO	QTY	DESCRIPTION
189	17000512		Screw 5/16-18 x 3/4 -See your local Murray distributor for parts and service.
194	73900500		Nut Lock Hex Flange 5/16-18 -See your local Murray distributor for parts and service.
196	414579		Console Asm. Deck Lift -See your local Murray distributor for parts and service.
207	183833		Bezel Grille RH -See your local Murray distributor for parts and service.
208	183832		Bezel Grille LH -See your local Murray distributor for parts and service.
213	74760512		Bolt Hex HD 5/16-18 unc x 3/4 -See your local Murray distributor for parts and service.
217	409167		Rod Pivot Chassis -See your local Murray distributor for parts and service.
218	196395		X-Piece Hood Stop -See your local Murray distributor for parts and service.
228	195161		Stud Fastener -See your local Murray distributor for parts and service.
233	196539		Bolt Shoulder -See your local Murray distributor for parts and service.
235	406129		Spacer Fender -See your local Murray distributor for parts and service.
236	73930500		Nut Center Lock 5/16-18 -See your local Murray distributor for parts and service.
287	17600406		Screw hex 1/4-20 x 3/8 -See your local Murray distributor for parts and service.
289	400796X428		Plug Cruise Hook Phone -See your local Murray distributor for parts and service.
306	73900600		Nut Lock -See your local Murray distributor for parts and service.

Decals Group (48L20AH0)

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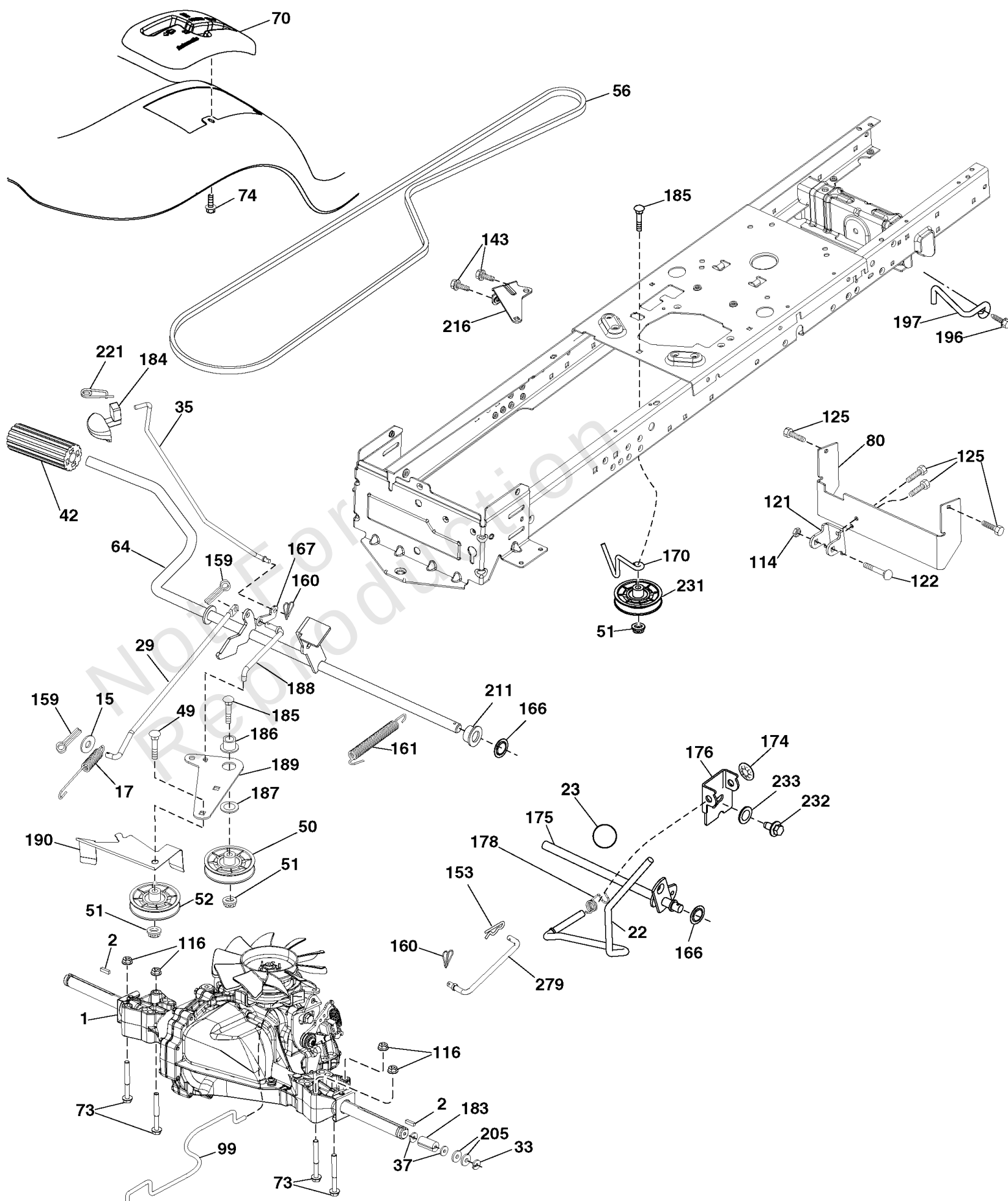
Decals Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
1	581578001		Decal, Saddle Brake Parking -See your local Murray distributor for parts and service.
2	581579701		Decal, Warning Eng. Sym. -See your local Murray distributor for parts and service.
3	584904601		Decal, Dec/Deflect. Warning -See your local Murray distributor for parts and service.
5	585556801		Decal, Engine HP -See your local Murray distributor for parts and service.
6	429026		Decal, Fender -See your local Murray distributor for parts and service.
7	49025		Decal, Steering Wheel -See your local Murray distributor for parts and service.
8	581580002		Decal, V-Belt Schematic -See your local Murray distributor for parts and service.
9	145005		Decal, Battery Dnge/Poi -See your local Murray distributor for parts and service.
10	581724001		Decal, Brake/Clutch Symbol -See your local Murray distributor for parts and service.
11	581578101		Decal, Warning -See your local Murray distributor for parts and service.
12	581579201		Decal, Cutfinger -See your local Murray distributor for parts and service.
13	581579601		Decal, Hot Muffler -See your local Murray distributor for parts and service.
14	429027		Decal, Hood LH/RH -See your local Murray distributor for parts and service.
15	586370901		Decal, Tractor -See your local Murray distributor for parts and service.
--	581724601		Decal, Load Limit -See your local Murray distributor for parts and service.
--	581724801		Decal, Bypass -See your local Murray distributor for parts and service.
--	193100X428		Pad, Footrest, RH -See your local Murray distributor for parts and service.
--	193226X428		Pad, Footrest, LH -See your local Murray distributor for parts and service.
--	586254596		Manual, Operator's (English/Spanish) -See your local Murray distributor for parts and service.
--	586254559		Manual, Operator's (Portuguese) -See your local Murray distributor for parts and service.
--	586254549		Manual, Parts (English/Spanish) -See your local Murray distributor for parts and service.
--	586254570		Manual, Parts (Portuguese) -See your local Murray distributor for parts and service.

Drive Group (48L22AHO)

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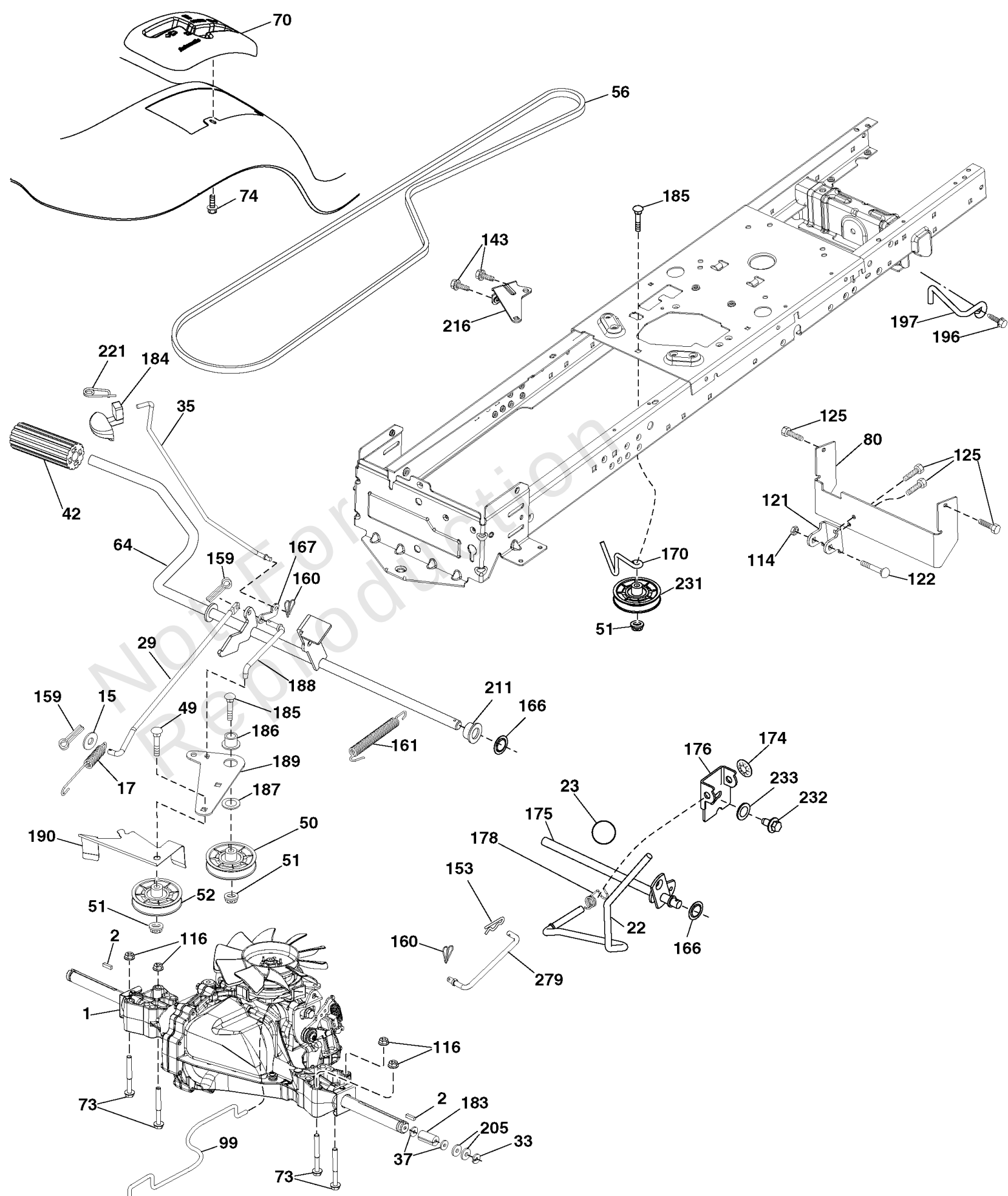
Drive Group (48L22AHO)

REF NO	PART NO	QTY	DESCRIPTION
1	-----		Transaxle, Hydro Gear T2-BDBE-1X2B-18X1 (587392201) -(Order Parts from Transaxle Mfgr.)
2	123583X		Key Square -See your local Murray distributor for parts and service.
15	19131316		Washer 13/32 x 13/16 x 16 Ga. -See your local Murray distributor for parts and service.
17	197296		Spring, Brake -See your local Murray distributor for parts and service.
22	197660		Rod Shift -See your local Murray distributor for parts and service.
23	130564		Knob -See your local Murray distributor for parts and service.
29	581506401		Rod, Brake -See your local Murray distributor for parts and service.
33	12000001		Ring E -See your local Murray distributor for parts and service.
35	197722		Rod, Brake, Park -See your local Murray distributor for parts and service.
37	121749X		Washer 25/32 x 1-1/4 x 16 -See your local Murray distributor for parts and service.
42	8883R		Cover, Foot Pedal -See your local Murray distributor for parts and service.
49	72110614		Bolt -See your local Murray distributor for parts and service.
50	194327		Pulley Idler Flat -See your local Murray distributor for parts and service.
51	73900600		Lock Nut 3/8-16 -See your local Murray distributor for parts and service.
52	194326		Idler V-Groove -See your local Murray distributor for parts and service.
56	581270501		V-Belt, Drive -See your local Murray distributor for parts and service.
64	196200		Shaft Asm. Pedal Brake Control -See your local Murray distributor for parts and service.
70	193220X428		Console -See your local Murray distributor for parts and service.
73	74490544		Bolt Hex 5/16-18 x 2-1/2 G5 -See your local Murray distributor for parts and service.
74	142432		Screw 1/4 x 1/2 -See your local Murray distributor for parts and service.
80	581550701		Strap Torque -See your local Murray distributor for parts and service.
99	408418		Rod Spring Bypass -See your local Murray distributor for parts and service.
114	73800500		Nut Lock -See your local Murray distributor for parts and service.
116	73900500		Nut Lock Hex Flange 5/16-18 -See your local Murray distributor for parts and service.
121	175611		Bracket Strap Torque -See your local Murray distributor for parts and service.
122	72010520		Bolt 5/16-18 x 2.50 -See your local Murray distributor for parts and service.
125	17000512		Screw 5/16-18 x 3/4 -See your local Murray distributor for parts and service.
143	17490508		Screw THDROL 5/16-18 -See your local Murray distributor for parts and service.
153	4497H		Retainer Spring 1" -See your local Murray distributor for parts and service.
159	76020412		Pin Cotter 1/8 x 3/4 -See your local Murray distributor for parts and service.

Drive Group (48L22AHO)

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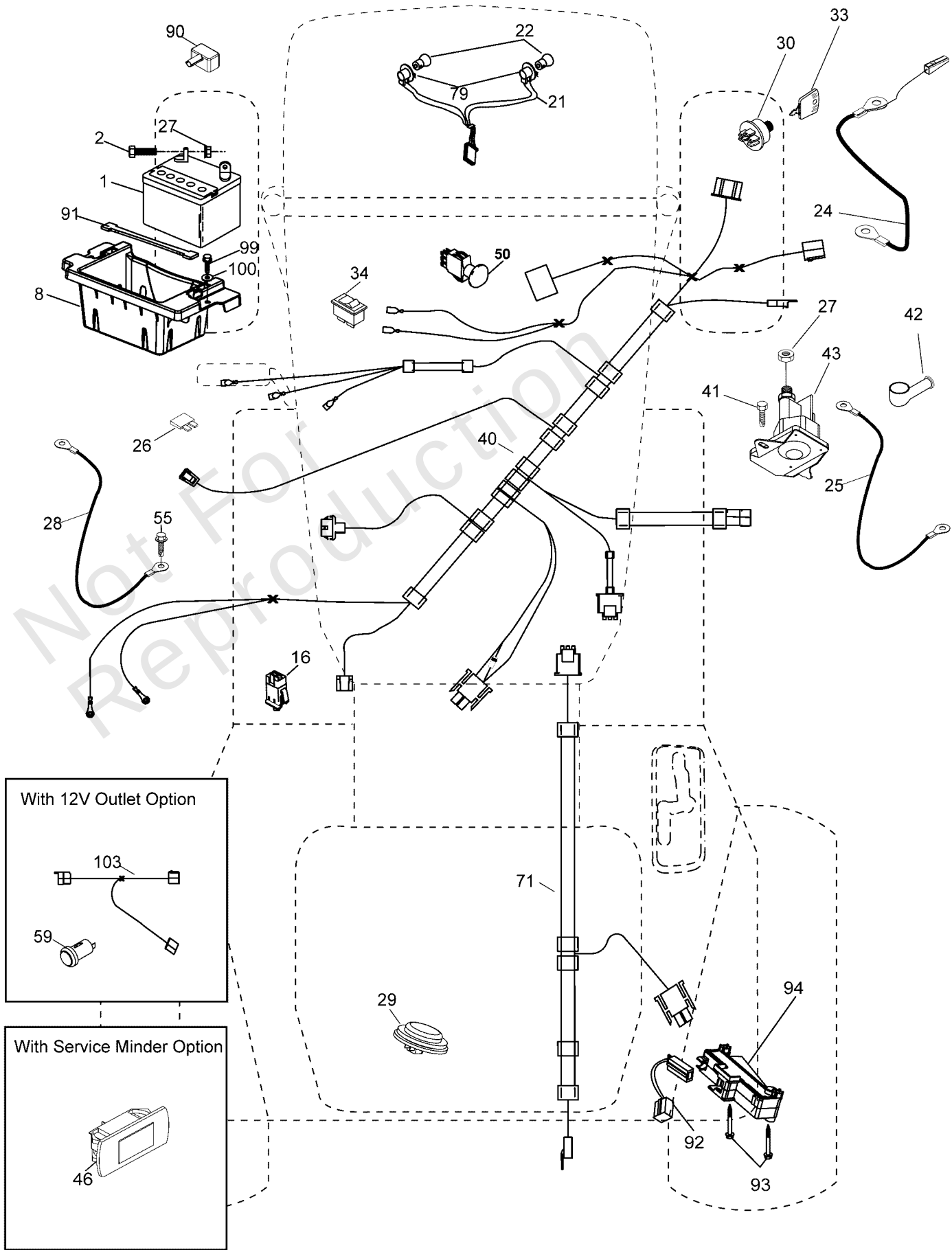
Drive Group (48L22AHO)

REF NO	PART NO	QTY	DESCRIPTION
160	169484		Retainer Clip -See your local Murray distributor for parts and service.
161	105709X		Spring, Return, Clutch -See your local Murray distributor for parts and service.
166	429164		Nut Push .625 -See your local Murray distributor for parts and service.
167	405257		Latch Brake Parking -See your local Murray distributor for parts and service.
170	413430		Keeper Belt Centerspan -See your local Murray distributor for parts and service.
174	197289		Nut Push -See your local Murray distributor for parts and service.
175	408539		Shaft Asm Shift -See your local Murray distributor for parts and service.
176	196214		Arm Clevis Rod Shift -See your local Murray distributor for parts and service.
178	197456		Spring Shift -See your local Murray distributor for parts and service.
183	156972		Spacer Axle -See your local Murray distributor for parts and service.
184	198403X667		Handle Parking Brake -See your local Murray distributor for parts and service.
185	72110622		Bolt -See your local Murray distributor for parts and service.
186	194321		Spacer Retainer -See your local Murray distributor for parts and service.
187	19133210		Washer -See your local Murray distributor for parts and service.
188	194323		Link Clutch Ground Drive -See your local Murray distributor for parts and service.
189	194317		Bellcrank Ground Drive -See your local Murray distributor for parts and service.
190	194318		Keeper Bellcrank Ground Drive -See your local Murray distributor for parts and service.
196	17000616		Screw 3/8-16 x 1 -See your local Murray distributor for parts and service.
197	585658601		Link Clutch Anti-Rotation -See your local Murray distributor for parts and service.
205	121748X		Washer 25/32 x 1-5/8 x 16 Ga. -See your local Murray distributor for parts and service.
211	196212		Bushing Shaft -See your local Murray distributor for parts and service.
216	196131		Bracket Pulley Idler -See your local Murray distributor for parts and service.
221	403187		Retainer Spring Clip Handle -See your local Murray distributor for parts and service.
231	407287		Idler V-Groove -See your local Murray distributor for parts and service.
232	74780716		Bolt 7/16-14 x 1 Gr 5 -See your local Murray distributor for parts and service.
233	405296		Washer Serrated -See your local Murray distributor for parts and service.
279	424155		Link Shift -See your local Murray distributor for parts and service.

Electrical Group (48L20AH0)

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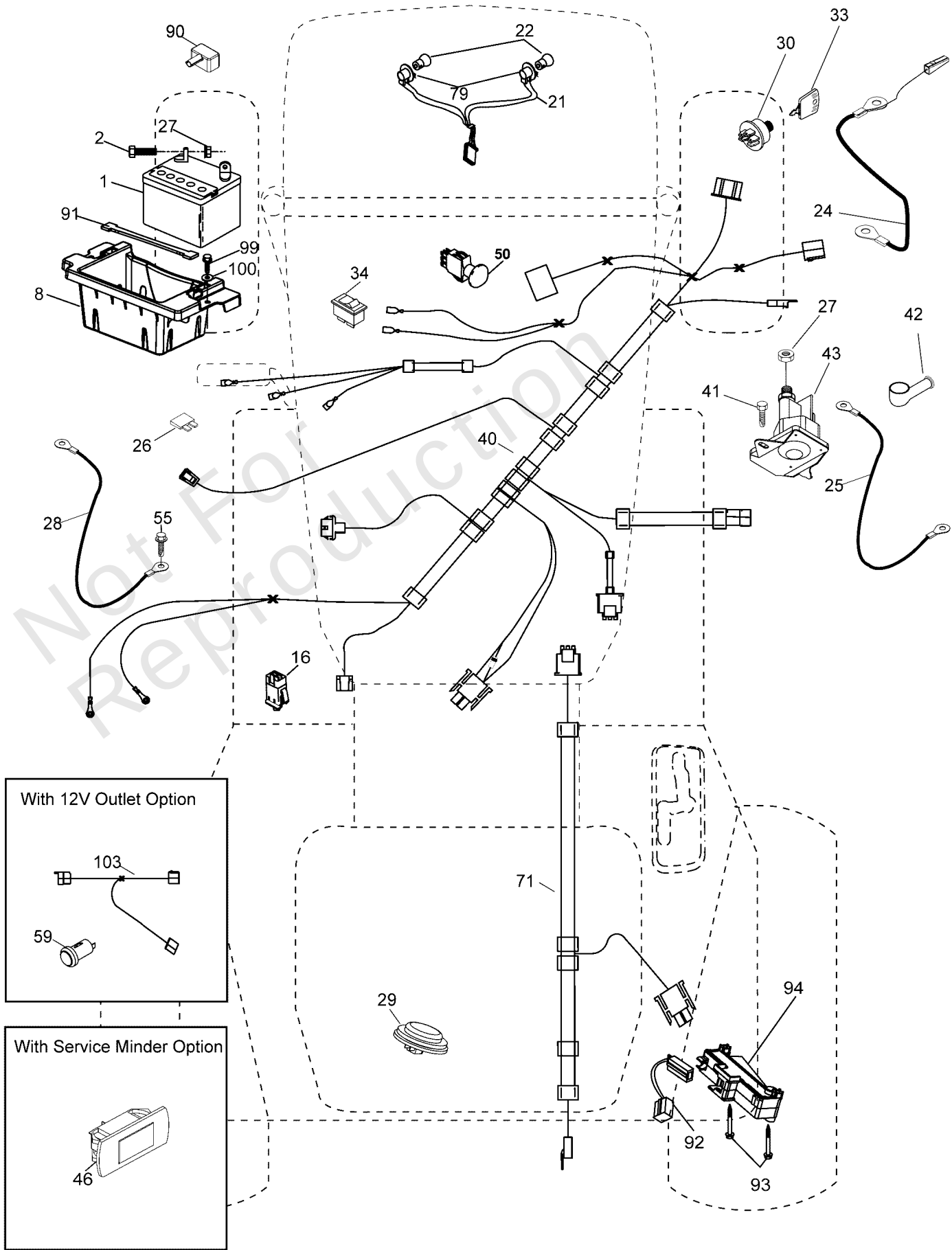
Electrical Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
1	163465		Battery -See your local Murray distributor for parts and service.
2	74760412		Bolt Hex Hd 1/4-20 unc x 3/4 -See your local Murray distributor for parts and service.
8	186491		Box Battery -See your local Murray distributor for parts and service.
16	176138		Switch Interlock -See your local Murray distributor for parts and service.
21	183759		Harness Socket Light w/4152J -See your local Murray distributor for parts and service.
22	4152J		Bulb, Light #1156 -See your local Murray distributor for parts and service.
24	585555601		Cable Battery -See your local Murray distributor for parts and service.
25	585555501		Cable Starter -See your local Murray distributor for parts and service.
26	175158		Fuse -See your local Murray distributor for parts and service.
27	73510400		Nut Keps Hex 1/4-20 unc -See your local Murray distributor for parts and service.
28	416588		Cable Ground -See your local Murray distributor for parts and service.
29	401545		Switch Seat -See your local Murray distributor for parts and service.
30	193350		Switch Ign -See your local Murray distributor for parts and service.
33	411933		Key/Chain -See your local Murray distributor for parts and service.
34	110712X		Switch Light/Reset -See your local Murray distributor for parts and service.
40	401104		Harness Dash -See your local Murray distributor for parts and service.
41	17720408		Screw 1/4-20 unc x 1/2 -See your local Murray distributor for parts and service.
42	131563		Cover Terminal Red -See your local Murray distributor for parts and service.
43	192507		Solenoid -See your local Murray distributor for parts and service.
46	401763		Gauge Hourmeter -See your local Murray distributor for parts and service.
50	174652		Switch PTO -See your local Murray distributor for parts and service.
55	17060512		Screw 5/16-18 x 3/4 -See your local Murray distributor for parts and service.
71	194276		Harness Ign. Chass. -See your local Murray distributor for parts and service.
79	175242		Socket Asm. Bulb -See your local Murray distributor for parts and service.
90	435395		Cover Terminal -See your local Murray distributor for parts and service.
91	190270		Strap Battery Mount Front -See your local Murray distributor for parts and service.
92	196615		Harness Pigtail Reverse Switch -See your local Murray distributor for parts and service.
93	192540		Screw Plastic 10-14 x 2.0 -See your local Murray distributor for parts and service.
94	191834		Module Reverse ROS -See your local Murray distributor for parts and service.
99	17670412		Screw Hexwsh Thdrol 1/4-20 x 3/4 -See your local Murray distributor for parts and service.

Electrical Group (48L20AH0)

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Electrical Group (48L20AH0)

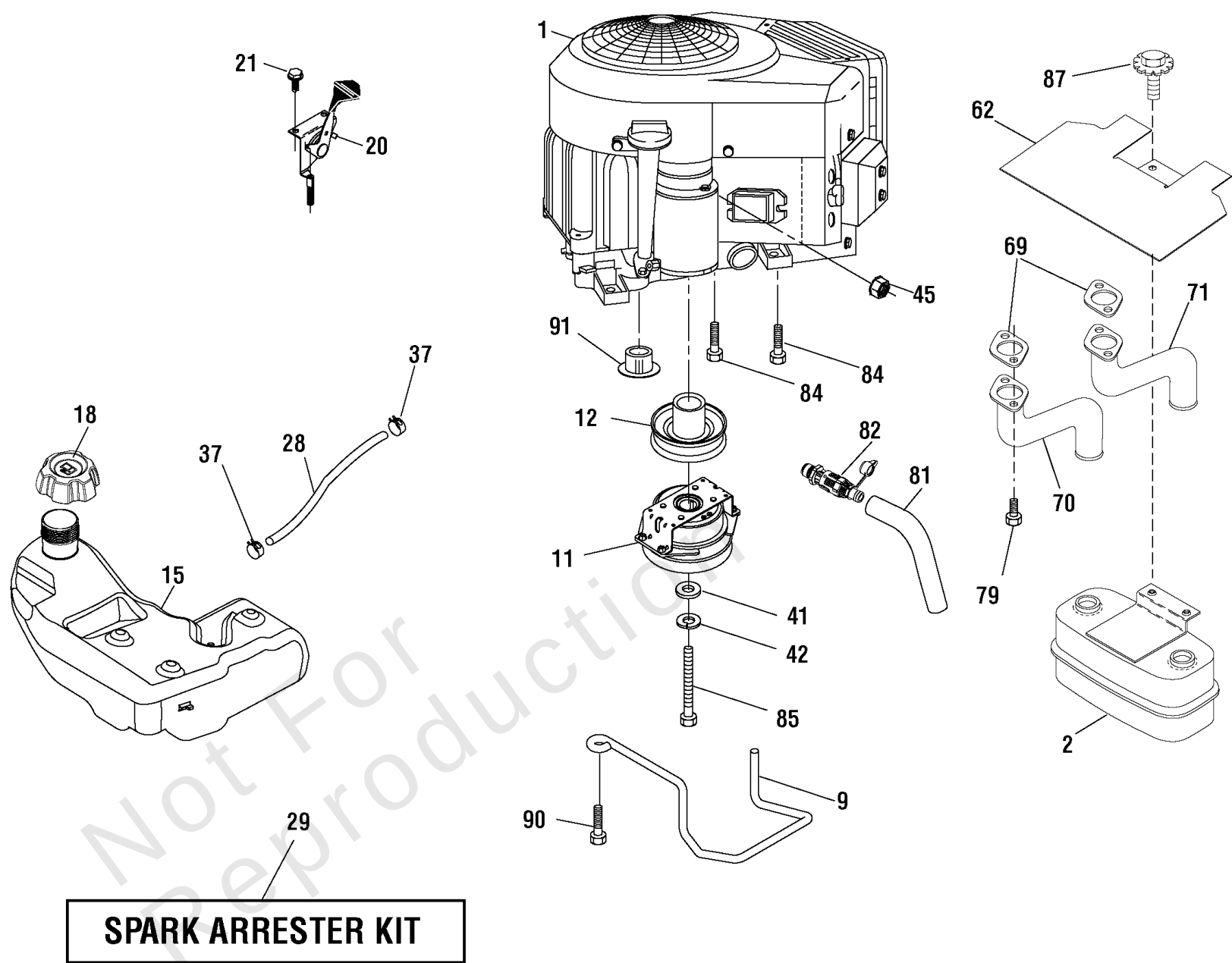
REF NO	PART NO	QTY	DESCRIPTION
100	19091416		Washer 9/32 x 7/8 x 16 Ga. -See your local Murray distributor for parts and service.

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Engine Group - 22HP (48L22AHO)

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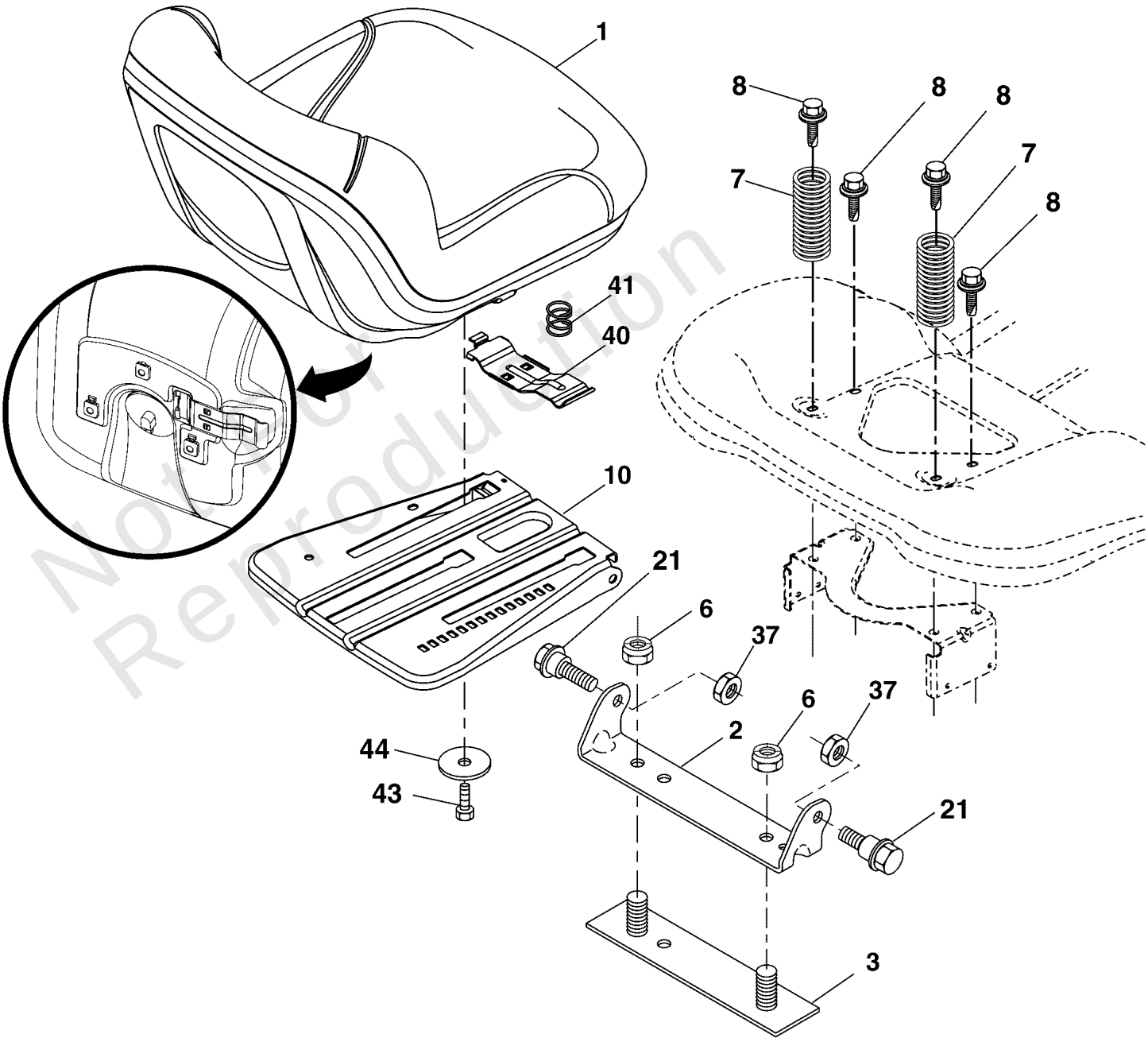
Engine Group - 22HP (48L22AHO)

REF NO	PART NO	QTY	DESCRIPTION
1	40R877-0011-G1		ENGINE, 22 Gross HP Briggs & Stratton -See your local Murray distributor for parts and service.
2	445962		Muffler -See your local Murray distributor for parts and service.
9	584908001		Keeper Belt Engine -See your local Murray distributor for parts and service.
11	587241601		Clutch Electric -See your local Murray distributor for parts and service.
12	405097		Pulley Engine -See your local Murray distributor for parts and service.
15	438080		Tank Fuel 3.0 -See your local Murray distributor for parts and service.
18	430214		Cap Asm -See your local Murray distributor for parts and service.
20	421473X667		Control Throttle TH/CK -See your local Murray distributor for parts and service.
21	416358		Screw #10 x 0.750 -See your local Murray distributor for parts and service.
28	401135		Fuel Line -See your local Murray distributor for parts and service.
29	137180		Spark Arrester Kit -See your local Murray distributor for parts and service.
37	123487X		Clamp Hose -See your local Murray distributor for parts and service.
41	126197X		Washer 1-1/2 OD x 15/32 ID x .250 -See your local Murray distributor for parts and service.
42	10040700		Washer Lock 7/16 -See your local Murray distributor for parts and service.
45	73510400		Nut Keps Hex 1/4-20 unc -See your local Murray distributor for parts and service.
62	434017		Shield Heat Muffler -See your local Murray distributor for parts and service.
69	165391		Gasket -See your local Murray distributor for parts and service.
70	581881101		Exhaust Tube LH -See your local Murray distributor for parts and service.
71	581881001		Exhaust Tube RH -See your local Murray distributor for parts and service.
79	183906		Screw Socket Head 5/16-18 x 1 -See your local Murray distributor for parts and service.
81	148456		Tube Drain Oil Easy -See your local Murray distributor for parts and service.
82	428287		Valve Drain Oil -See your local Murray distributor for parts and service.
84	17060620		Screw 3/8-16 x 1-1/4 -See your local Murray distributor for parts and service.
85	179953		Bolt Hex 7/16-20 x 3.75 Gr. -See your local Murray distributor for parts and service.
87	171877		Bolt 5/16-18 unc x 3/4 w/Sems -See your local Murray distributor for parts and service.
90	17000616		Screw 3/8-16 x 1 -See your local Murray distributor for parts and service.
91	187495		Bushing -See your local Murray distributor for parts and service.

Seat Group (48G24G60X8A_48G24G22)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L20AH0-00



Seat Group (48G24G60X8A_48G24G22)

REF NO	PART NO	QTY	DESCRIPTION
1	705174		Seat
2	705043		BRACKET, Pivot
3	708024		Strap, Asm Fender
6	709433		Nut, Lock w/Ins. 3/8-16 unc
7	709040		Spring, Seat Cprsn
8	705031		Bolt 5/16-18 unc x 3/4 w/Sems
10	705102		Pan, Seat
21	709154		Bolt, Shoulder 5/16-18
37	705350		NUT, LOCK 5/16-18 UNC
40	708319		Handle Slide Seat
41	705122		Spring Latch Seat
43	705365		Bolt 3/8-16 x 3/4
44	705337		Washer 13/32 x 2-3/8 x 12 Ga.

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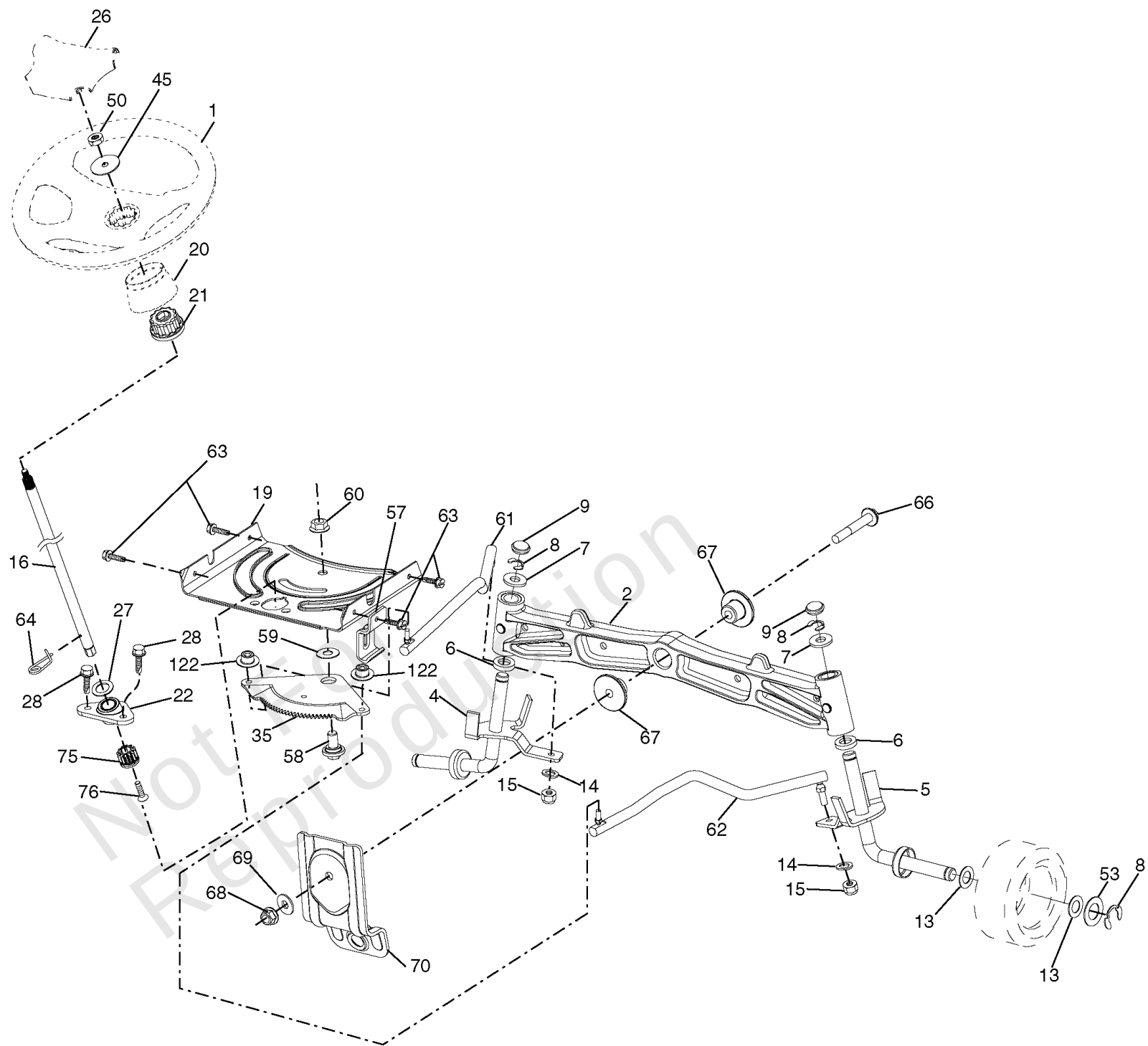
Footnotes:

Note* See your local Murray distributor for parts and service.

Steering Group (48L20AH0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L20AH0-00



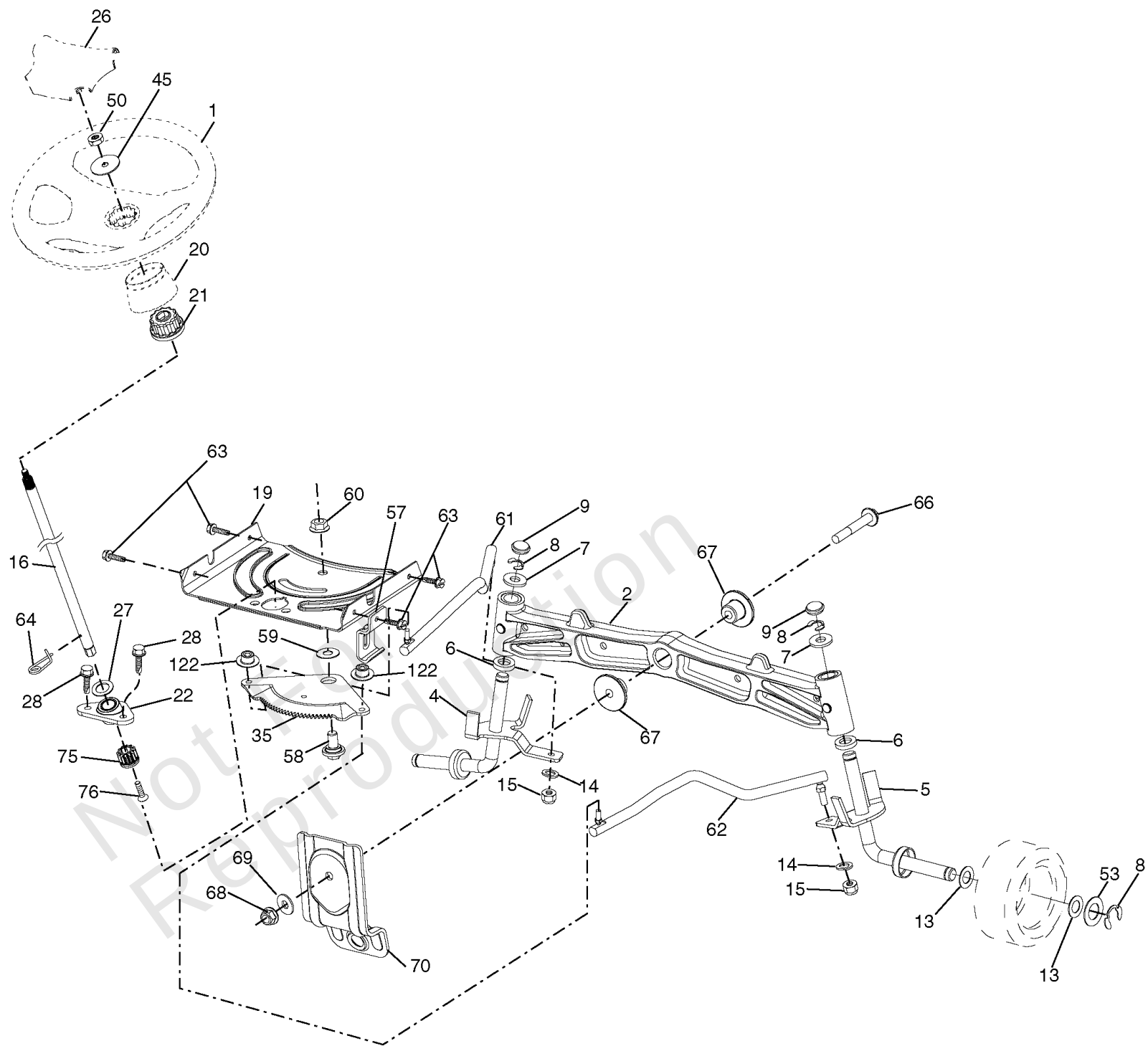
Steering Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
1	414803X428		Wheel, Steering -See your local Murray distributor for parts and service.
2	195968		Axle Asm., Front -See your local Murray distributor for parts and service.
4	403087		Spindle Asm., LH -See your local Murray distributor for parts and service.
5	403088		Spindle Asm., RH -See your local Murray distributor for parts and service.
6	6266H		Bearing, Race Thrust Harden -See your local Murray distributor for parts and service.
7	121748X		Washer 25/32 x 1-5/8 x 16 Ga. -See your local Murray distributor for parts and service.
8	12000029		Ring, Clip #T5304-75 -See your local Murray distributor for parts and service.
9	121232X		Cap, Spindle -See your local Murray distributor for parts and service.
13	121749X		Washer 25/32 x 1-1/4 x 16 Ga. -See your local Murray distributor for parts and service.
14	10040600		Washer, Lock Hvy Hlcl Spr 3/8 -See your local Murray distributor for parts and service.
15	73540600		Nut, Crown Lock 3/8-24 unf -See your local Murray distributor for parts and service.
16	587016002		Shaft Steering -See your local Murray distributor for parts and service.
19	194729		Plate Steering -See your local Murray distributor for parts and service.
20	199743X428		Boot, Steering -See your local Murray distributor for parts and service.
21	586840201		Adapter, Wheel Steering -See your local Murray distributor for parts and service.
22	585029802		Bearing -See your local Murray distributor for parts and service.
26	414854X428		Insert, Wheel Steering -See your local Murray distributor for parts and service.
27	19211616		Washer -See your local Murray distributor for parts and service.
28	17000612		Screw 3/8-16 x 3/4 -See your local Murray distributor for parts and service.
35	194732		Gear, Sector Plate -See your local Murray distributor for parts and service.
45	587016401		Washer 3/8 ID 2-3/8 OD 12 Ga. PLTD -See your local Murray distributor for parts and service.
50	73900600		Nut Lock Flg 3/8-16 unc -See your local Murray distributor for parts and service.
53	188967		Washer Hardened .793 x 1.637 x .060 -See your local Murray distributor for parts and service.
57	197246		Bracket Upstop -See your local Murray distributor for parts and service.
58	194747		Bolt Shoulder Sector Pivot CFM -See your local Murray distributor for parts and service.
59	194748		Washer Thrust Sector Steering -See your local Murray distributor for parts and service.
60	73971000		Nut Flange Lock 5/8-11 -See your local Murray distributor for parts and service.
61	194740		Draglink, LH -See your local Murray distributor for parts and service.
62	194741		Draglink, RH -See your local Murray distributor for parts and service.
63	17000512		Screw 5/16-18 x 3/4 -See your local Murray distributor for parts and service.

Steering Group (48L20AH0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L20AH0-00



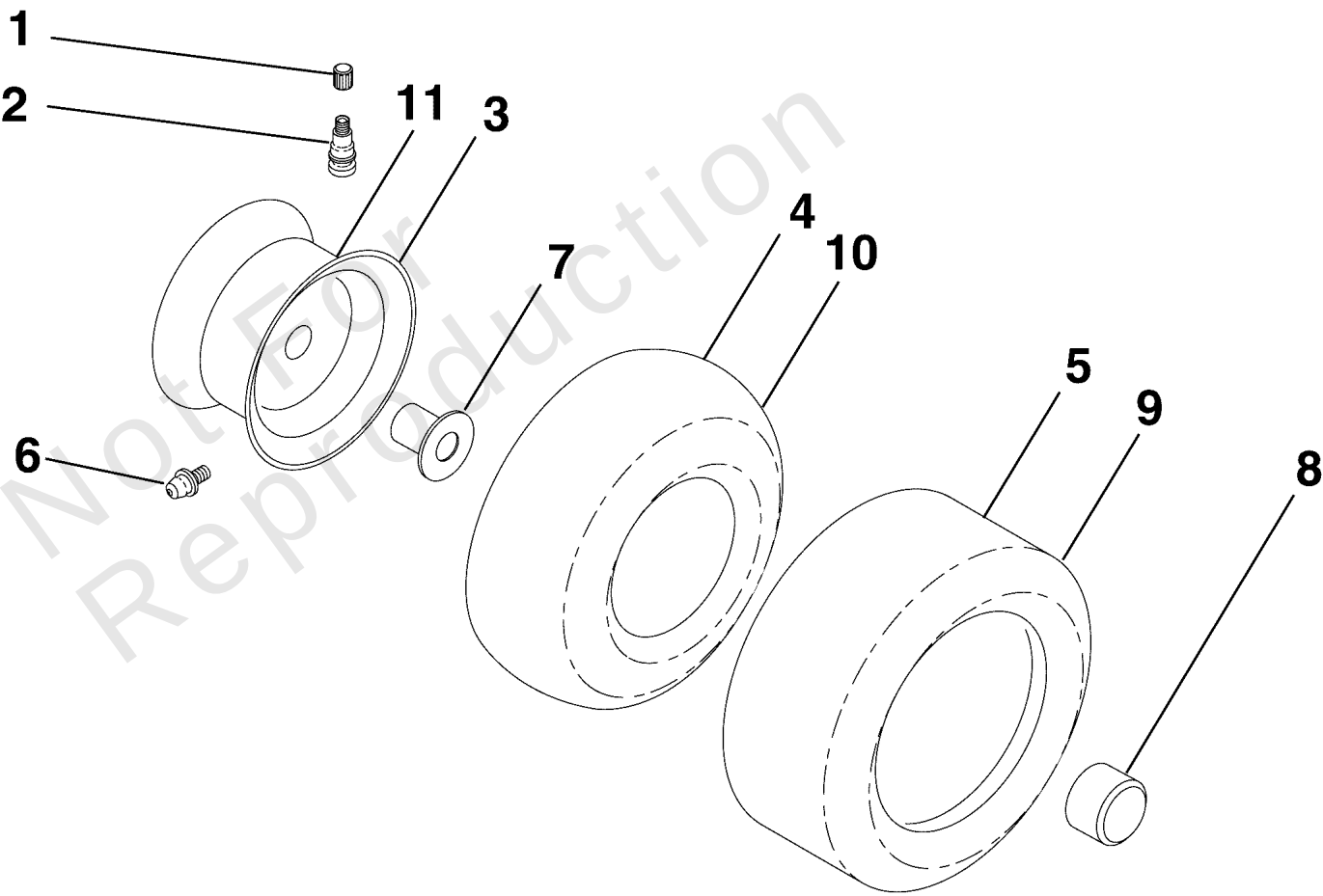
Steering Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
64	199849		Retainer Clip Spring Steering -See your local Murray distributor for parts and service.
66	71020748		Bolt Hex Fghd 7/16-14 x 3 Serr -See your local Murray distributor for parts and service.
67	194737		Bushing PM Front Axle -See your local Murray distributor for parts and service.
68	73900700		Nut Lock Flange 7/16-14 Gr. 5 -See your local Murray distributor for parts and service.
69	199162		Washer 1.5 x .505 x .118 -See your local Murray distributor for parts and service.
70	196197		Bracket Deck Susp. Front -See your local Murray distributor for parts and service.
75	580683702		Pinion -See your local Murray distributor for parts and service.
76	580683601		Screw Head Sock -See your local Murray distributor for parts and service.
122	444962		Cap, Gear Sector -See your local Murray distributor for parts and service.

Wheels & Tires Group (48L20AH0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L20AH0-00

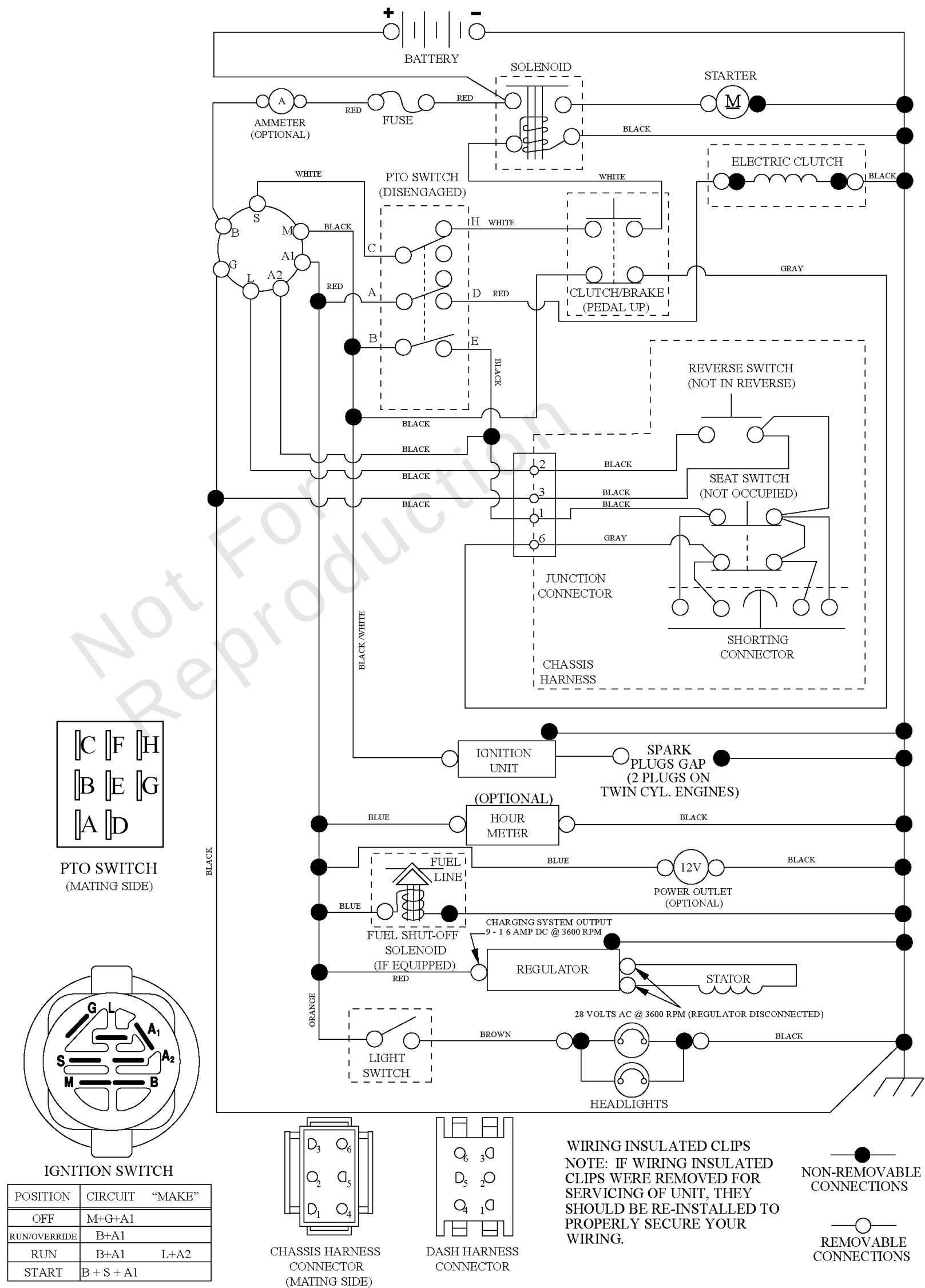


Wheels & Tires Group (48L20AH0)

REF NO	PART NO	QTY	DESCRIPTION
1	59192		Cap, Valve, Tire -See your local Murray distributor for parts and service.
2	65139		Stem, Valve -See your local Murray distributor for parts and service.
3	106732X624		Rim Assembly, Front -See your local Murray distributor for parts and service.
4	59904		Tube, Front -See your local Murray distributor for parts and service.
5	106222X		Tire, Front 15 x 6-6 -See your local Murray distributor for parts and service.
6	278H		Fitting, Grease -See your local Murray distributor for parts and service.
7	9040H		Bearing, Flange -See your local Murray distributor for parts and service.
8	104757X428		Cap, Axle (Front Wheel Only) -See your local Murray distributor for parts and service.
9	138468		Tire, Rear, 20 x 8-8 -See your local Murray distributor for parts and service.
10	7152J		Tube, Rear -See your local Murray distributor for parts and service.
11	106108X624		Rim Assembly, Rear -See your local Murray distributor for parts and service.
--	144334		Sealant, Tire (10 oz. Tube) -See your local Murray distributor for parts and service.

Wiring Schematic (48G24G22_48L20AH0_54G26G60X8A)

Note: Unless noted otherwise, use the standard torque specifications
 Mfg. No: 48L20AH0-00



Wiring Schematic (48G24G22_48L20AH0_54G26G60X8A)

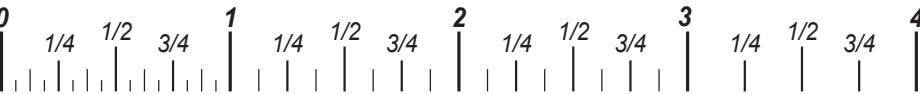
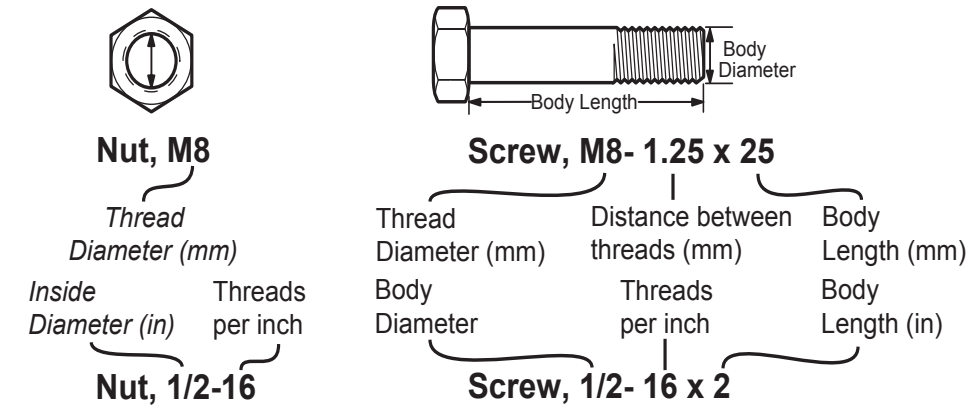
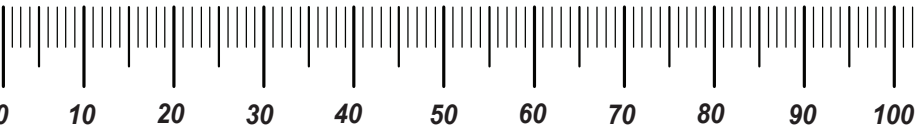
REF NO	PART NO	QTY	DESCRIPTION
--	-----		Wiring Schematic Only

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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).

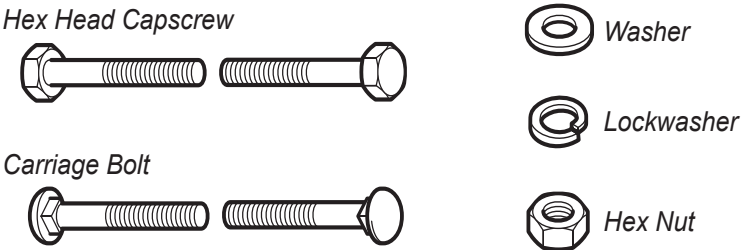
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

