



Parts Manual

Mfg. No: 48L22AH0X8A
96042007601, 22HP 48" Murray Lawn
Tractor (2010)

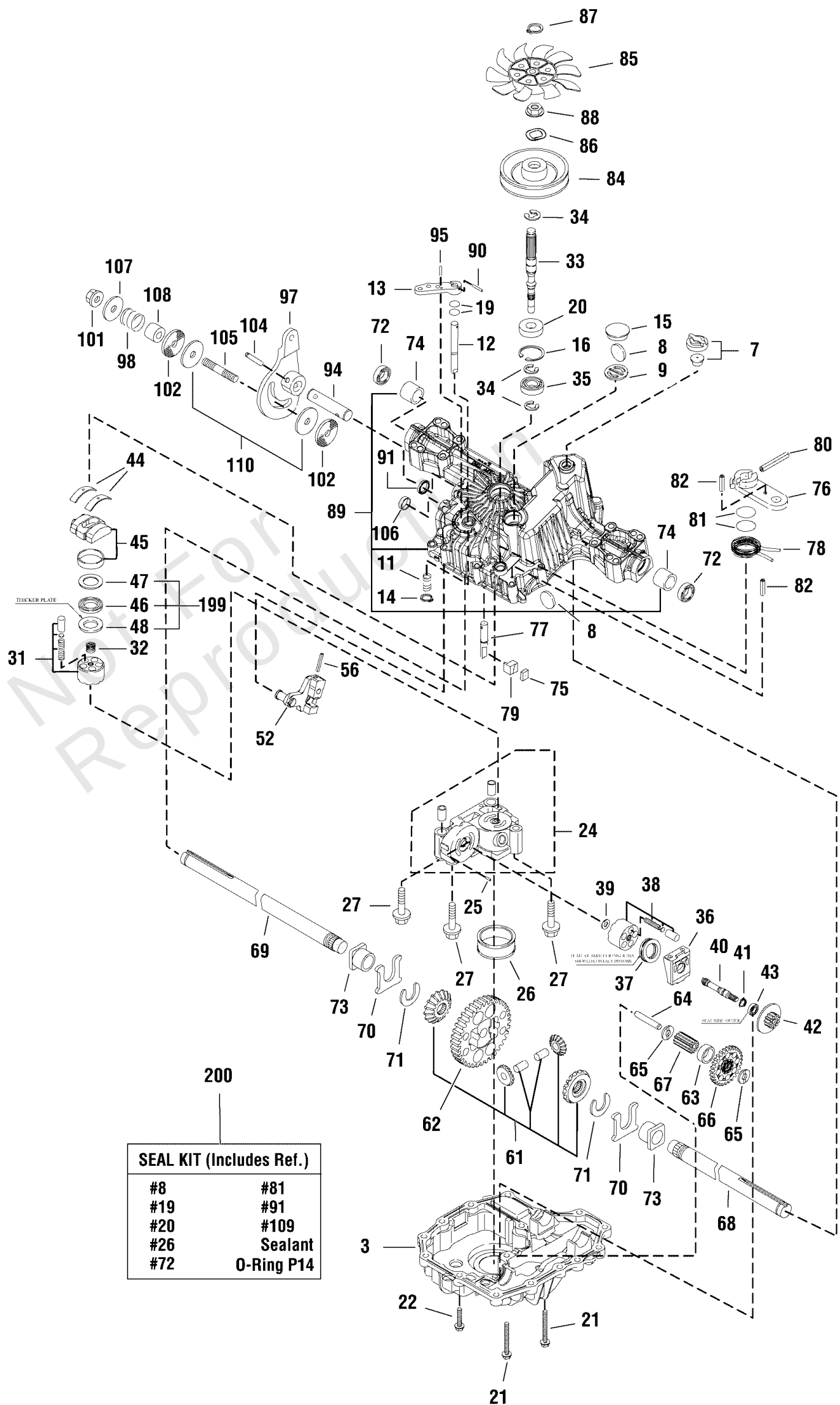
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Not For
Reproduction

- Transmission - Service Parts (K46BA)

Note: Unless noted otherwise, use the standard torque specifications

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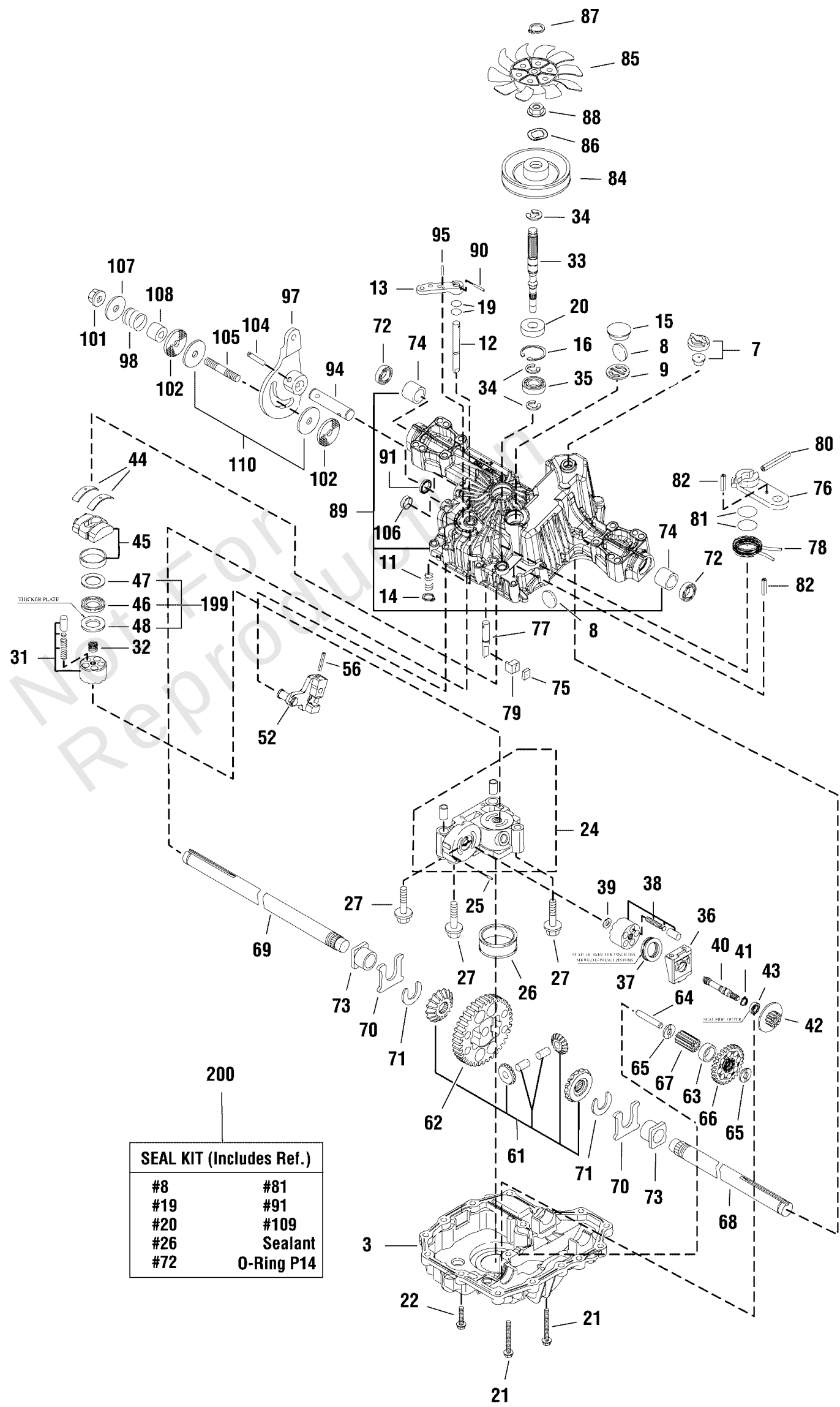
- Transmission - Service Parts (K46BA)

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	*TRANSMISSION, Tuff Torq K46BA
3	-----	1	*LOWER HOUSING
7	1718052SM	1	VENT VALVE
8	1724279SM	2	MAGNET
9	-----	1	*HOLDER, Magnet
11	-----	2	*SPRING
12	1724281SM	1	SHAFT, Bypass
13	1720418SM	1	LEVER
14	1718061SM	1	RING
15	1724282SM	1	SEALING CAP
16	1708650SM	1	RING, Snap
19	1708691SM	2	O-RING, 1A P10A
20	1708651SM	1	SEAL
21	1707789SM	14	SCREW, Tapping
22	-----	2	*SCREW, Tapping
24	-----	1	*CENTER CASE
25	1718070SM	1	PIN
26	1718071SM	1	FILTER
27	1720805SM	3	BOLT
31	1718079SM	1	CYLINDER BLOCK
32	1724290SM	1	SPRING, Pump
33	1732910YP	1	PUMP SHAFT
34	1718076SM	3	RING
35	1708673SM	1	BEARING
36	1718077SM	1	HOUSING
37	1718078SM	1	BEARING
38	1725831SM	1	CYLINDER BLOCK
39	1718084SM	1	WASHER
40	1724293SM	1	SHAFT MOTOR
41	1708672SM	1	RING, Snap
42	1724294SM	1	MOTOR GEAR
43	1718083SM	1	BEARING
44	1718089SM	2	THRUST METAL
45	1720426SM	1	SWASH PLATE
46	1718086SM	1	BEARING
47	1718087SM	1	THRUST PLATE
48	1718088SM	1	THRUST PLATE
52	-----	1	*CONTROL ARM
56	1724296SM	1	SPRING PIN
61	1724297SM	2	DIFFERNIAL PINION
62	-----	1	*FINAL GEAR
63	-----	1	*COLLAR, Final
64	-----	1	*REDUCTION SHAFT
65	1724948SM	2	WASHER
66	1724301SM	1	REDUCTION GEAR
67	-----	1	*FINAL PINION
68	1724303SM	1	AXLE SHAFT
69	1724304SM	1	AXLE SHAFT R
70	1718112SM	2	THRUST WASHER
71	1718113SM	2	RING
72	1718111SM	2	SEAL

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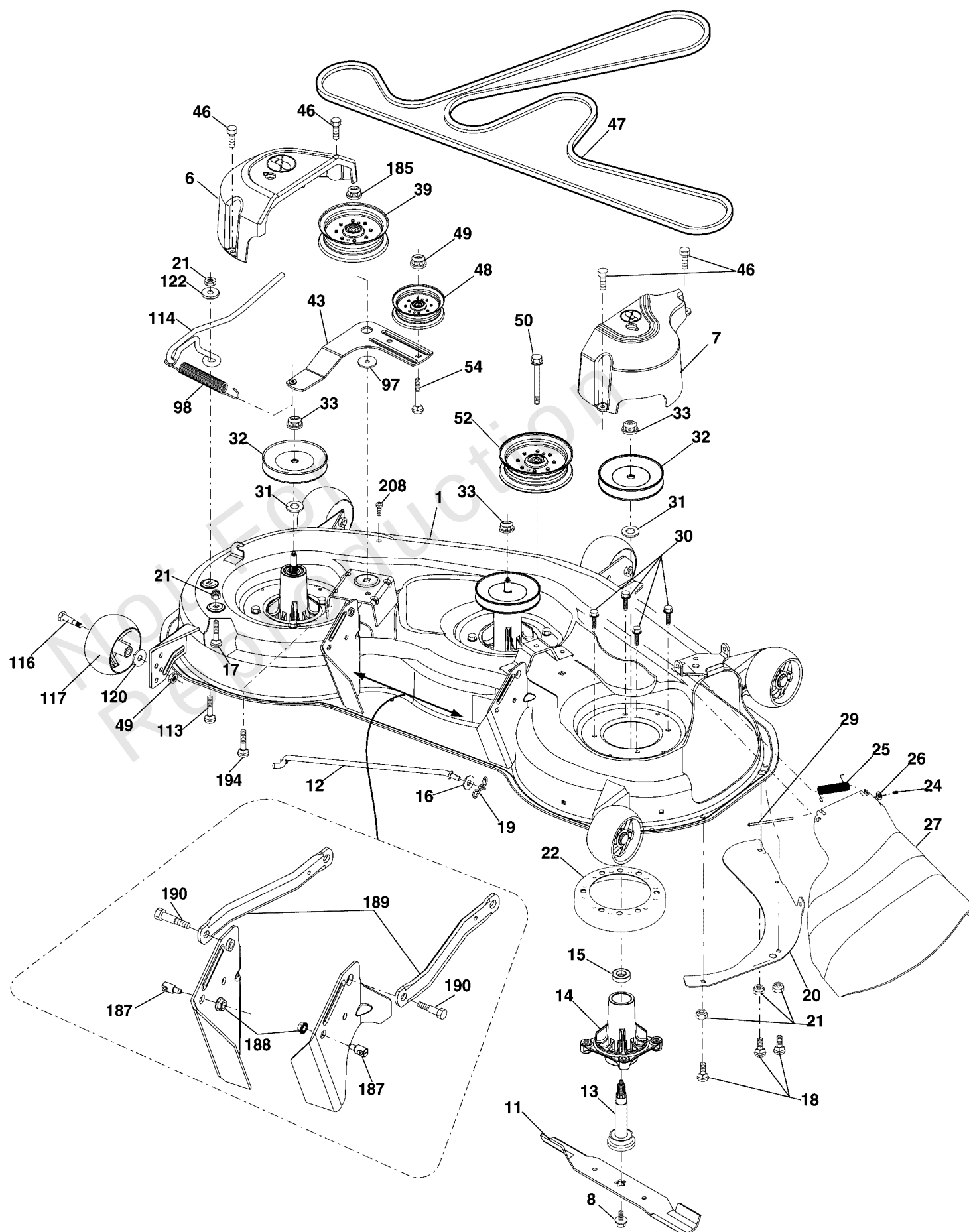
- Transmission - Service Parts (K46BA)

REF NO	PART NO	QTY	DESCRIPTION
73	1718110SM	2	BUSHING
74	-----	2	*BUSHING
75	1724305SM	1	SHOE, Brake
76	1724306SM	1	ARM, Brake
77	-----	1	*SHAFT, Brake
78	1724308SM	1	RETURN SPRING
79	1724309SM	1	ACTUATOR, Brake
80	1724310SM	1	PIN
81	1708690SM	2	O RING
82	1724311SM	2	PIN, Spring
84	1724313SM	1	PULLEY
85	1724314SM	1	FAN
86	1724315SM	1	LOCKWASHER
87	1724316SM	2	SNAP RING
88	-----	1	*COLLAR, Spline
89	-----	1	*UPPER HOUSING
90	1707839SM	1	SPRING PIN
91	1724318SM	1	OIL SEAL
94	-----	1	*CONTROL SHAFT
95	1707839SM	1	PIN
97	-----	1	*CONTROL LEVER
98	1720430SM	1	SPRING, Friction
99	1708649SM	2	WASHER, Seal
100	-----	2	*SCREW, Cap
101	1720437SM	1	LOCK NUT
102	1720432SM	2	WASHER
104	1718100SM	1	PIN, Roll
105	1720422SM	1	STUD BOLT
106	1720427SM	1	PLUG
107	1720431SM	1	WASHER
108	1720429SM	1	COLLAR
110	1724320SM	2	FRICTION PLATE
199	-----	1	*BEARING
200	1727541YP	1	K46 & T40 SEAL KIT
201	-----	1	*Repair Kit

48" Mower Deck - Housing, Arbors & Blades (48L22AHOX8A)

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48" Mower Deck - Housing, Arbors & Blades (48L22AHOX8A)

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	199102		Cover Mandrel RH -See your local Murray distributor for parts and service.
8	193003		Bolt/Washer Asm. 7/16-20 -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		Mandrel Deck Stripper -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		Washer, Spacer Mower Vented -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.

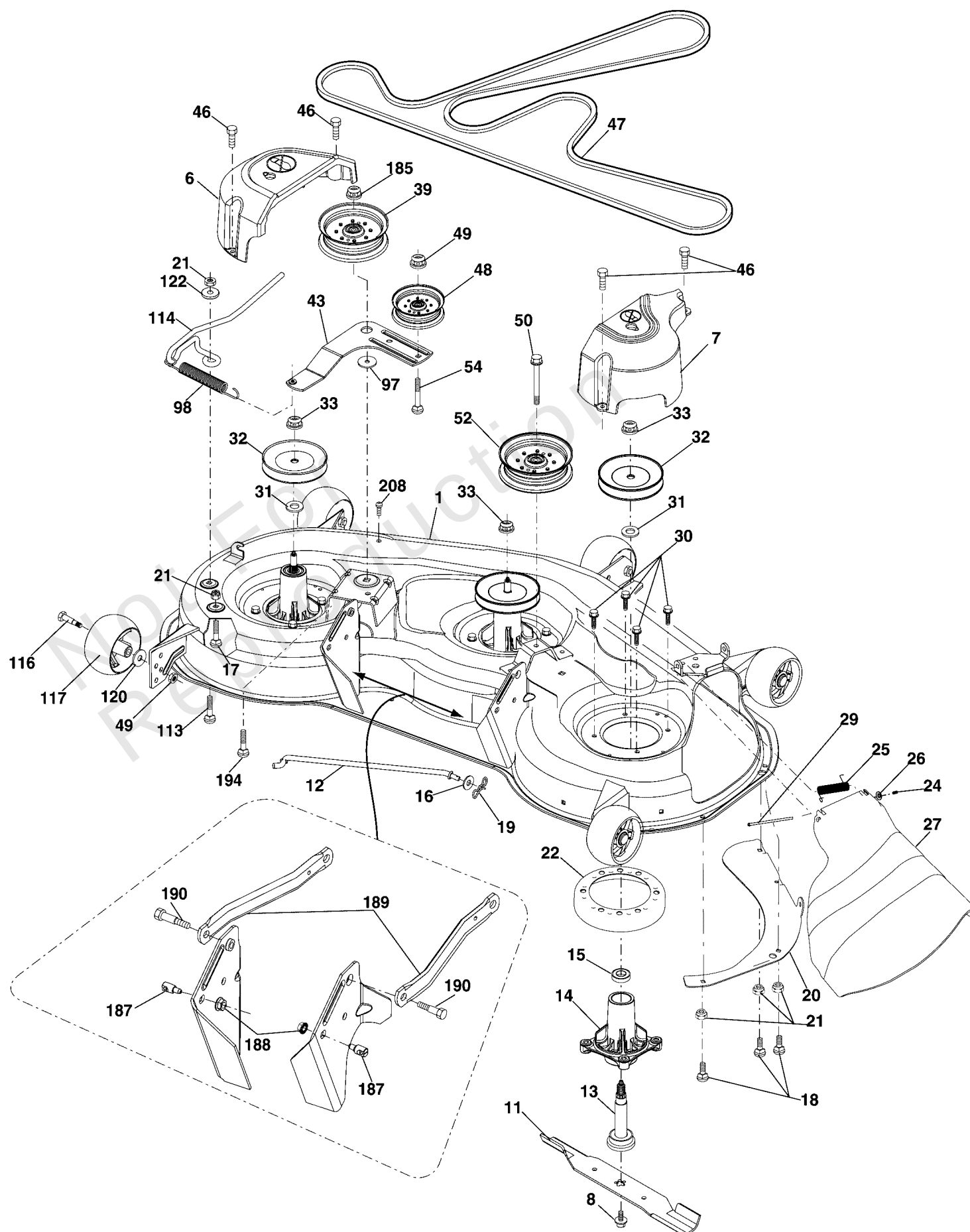
Footnotes:

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

48" Mower Deck - Housing, Arbors & Blades (48L22AHOX8A)

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48" Mower Deck - Housing, Arbors & Blades (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
47	197242		Belt Deck Drive -See your local Murray distributor for parts and service.
48	193197		Pulley Idler Primary -See your local Murray distributor for parts and service.
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 -See your local Murray distributor for parts and service.
52	197379		Pulley Idler Clutching -See your local Murray distributor for parts and service.
54	72110612		Bolt Carr SH 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 Fastener w/"D" Anti-Rotation -See your local Murray distributor for parts and service.
188	73900500		Nut Lock Hex Flange 5/16-18 -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	72140716		Bolt Carr Sqnk 7/16-24 x 2 -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 housing, Shaft assembly & bearing only- pulley/nut/washer & blade bolt/washers not included)
- -	199859		REPLACEMENT MOWER, Complete -See your local Murray distributor for parts and service.

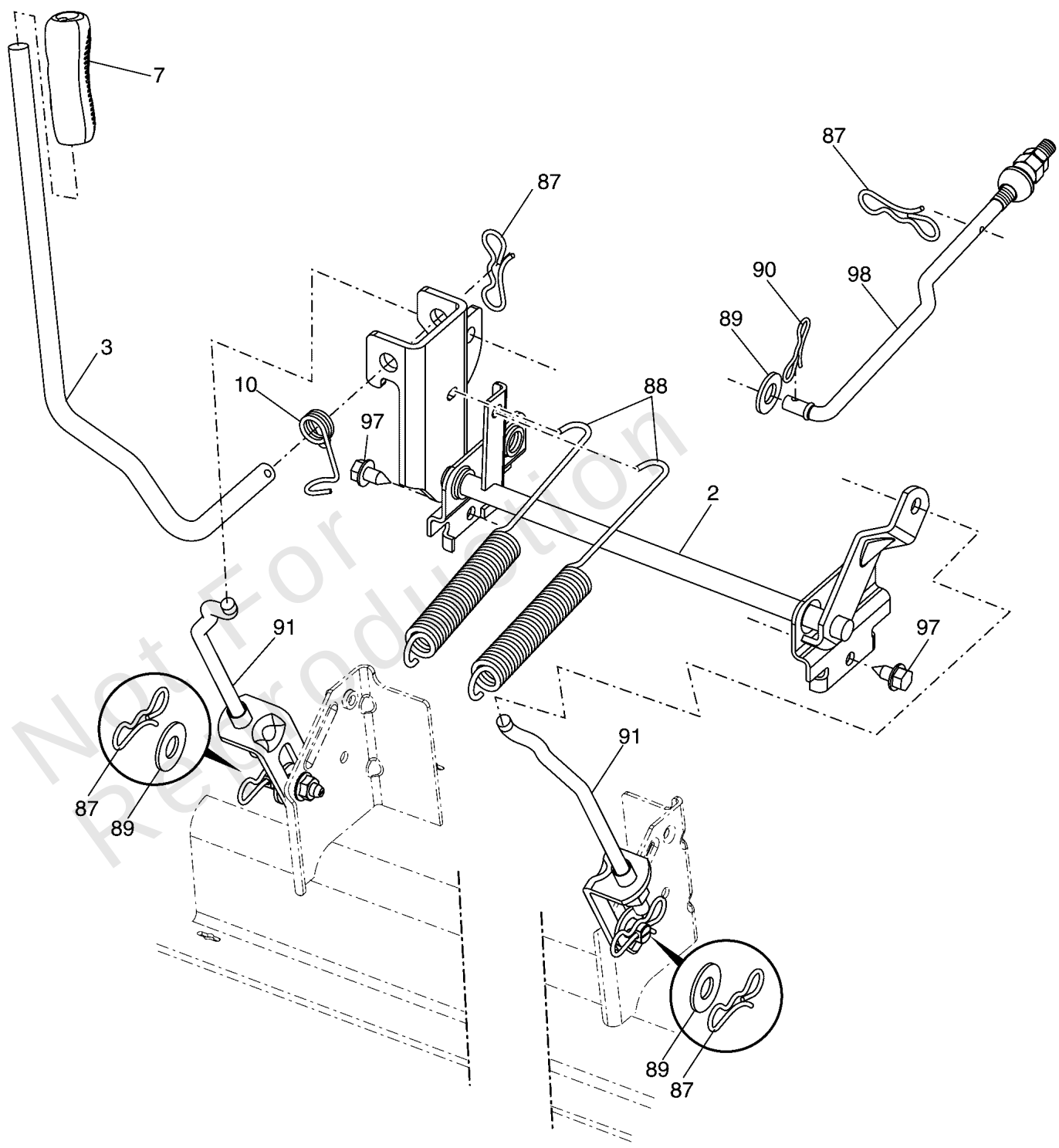
Footnotes:

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

48" Mower Deck - Mower Lift Group (48L22AH0X8A)

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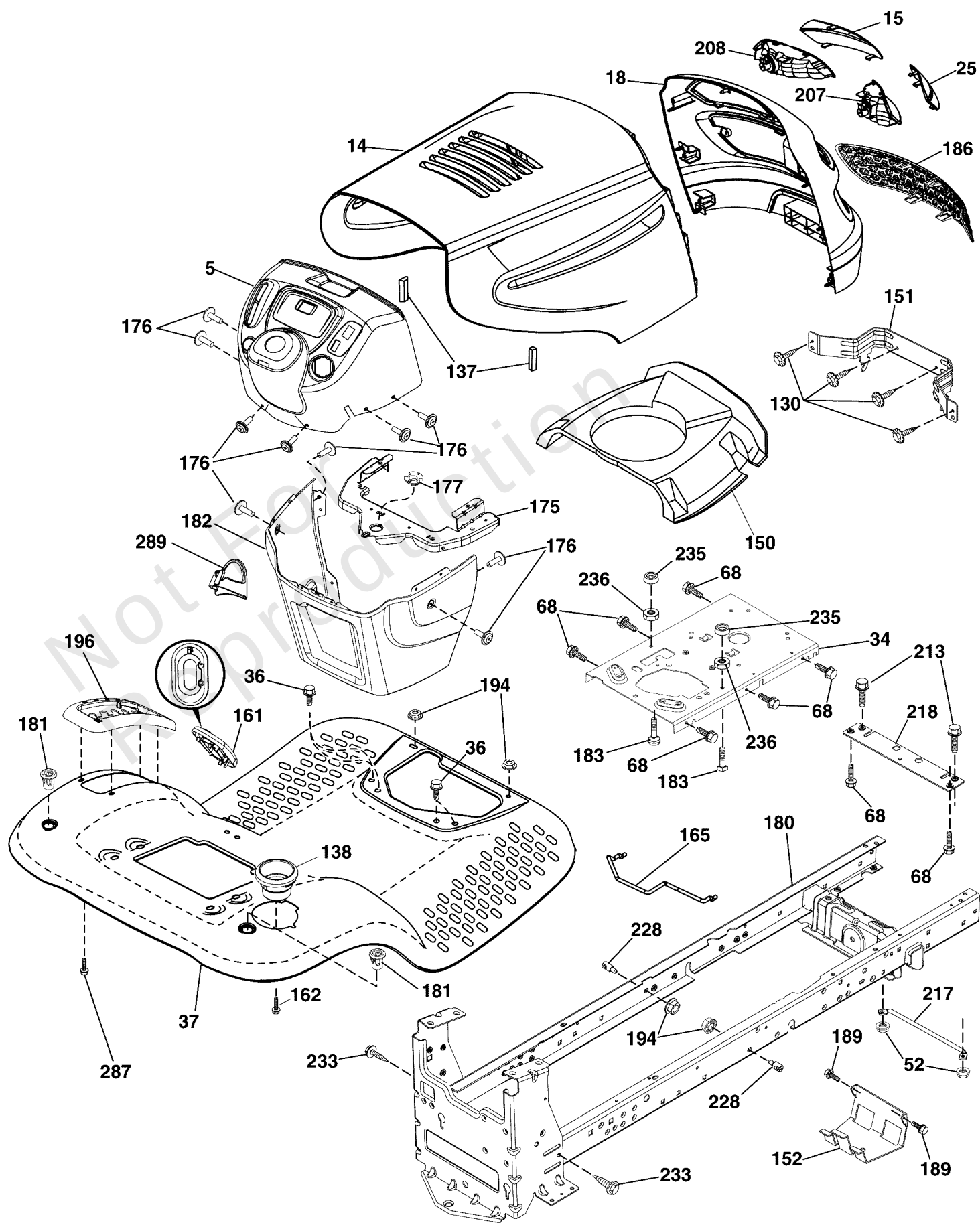
48" Mower Deck - Mower Lift Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
2	422027		Shaft Asm., Lift -See your local Murray distributor for parts and service.
3	195231		Lever Asm., Lift RH -See your local Murray distributor for parts and service.
7	196492X428		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 3/4 -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 (48L22AH0X8A)

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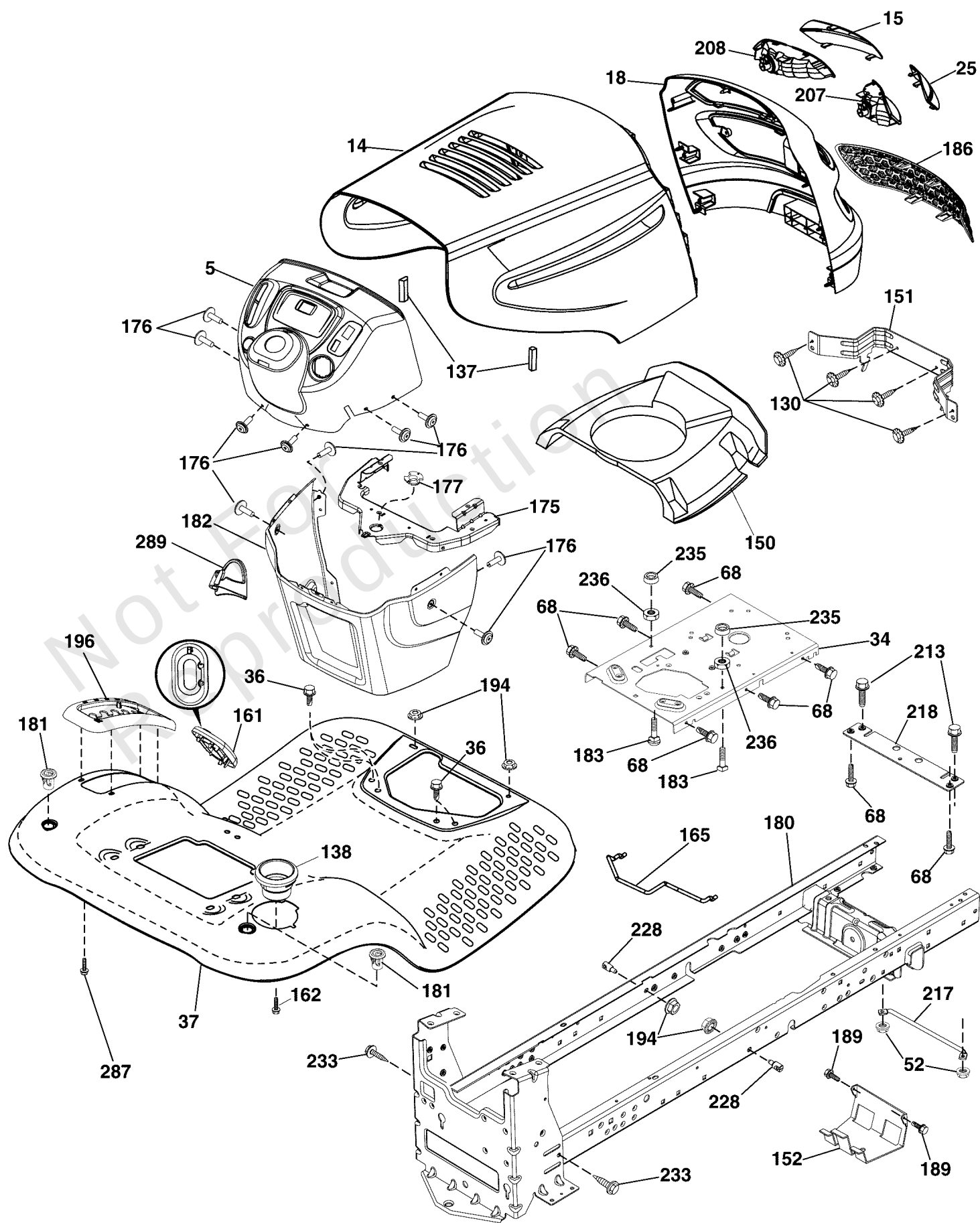
Chassis Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
5	199648X428		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 Asm -See your local Murray distributor for parts and service.
25	183835X599		Lens Grille RH -See your local Murray distributor for parts and service.
34	196125		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 Lock 5/16-18 -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.
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.
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/Debris -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	195227		Bushing Steering -See your local Murray distributor for parts and service.
180	195457		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	74780520		Bolt Fin Hex 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.
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.

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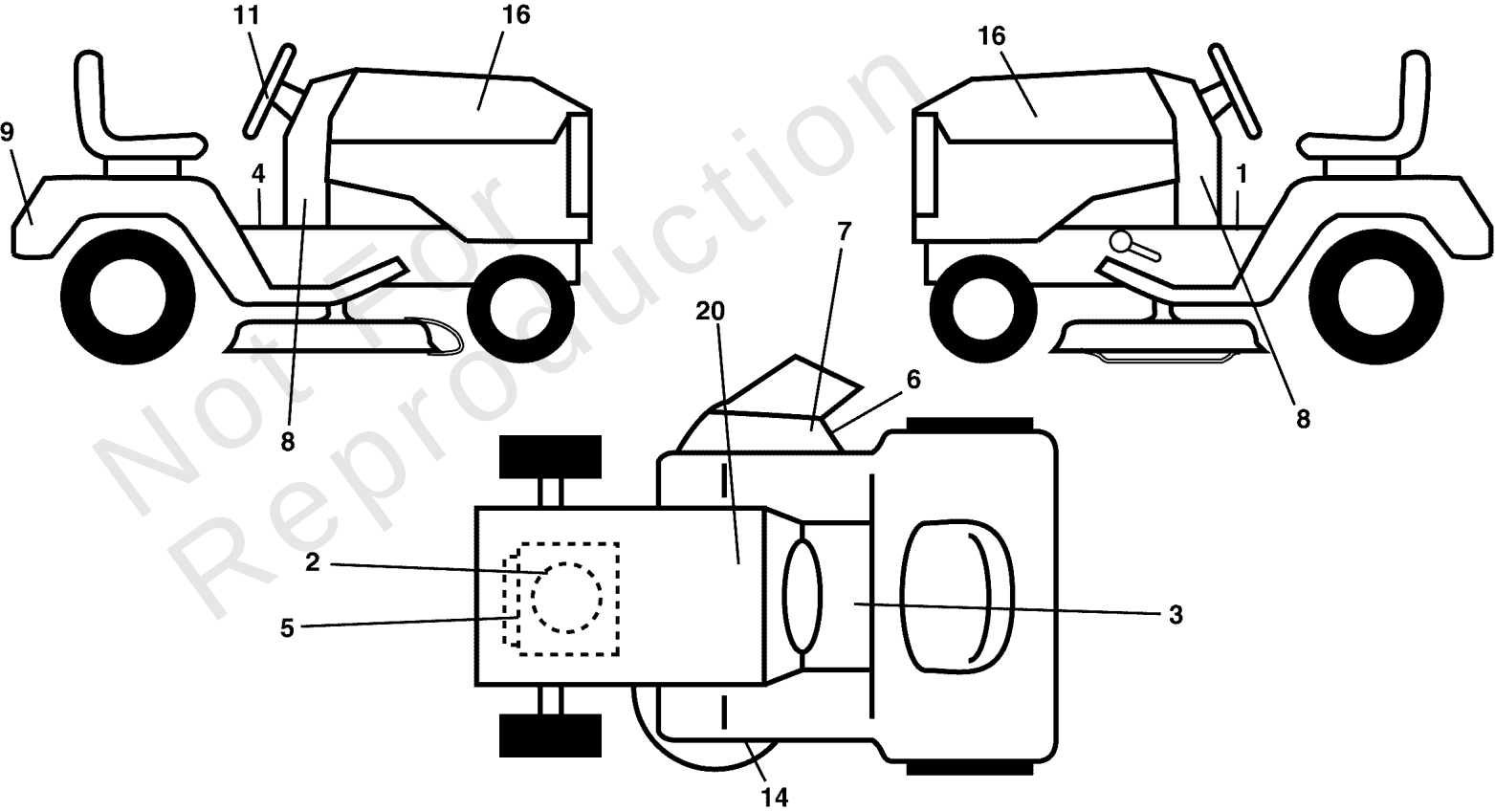
Chassis Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
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 5/16-18 unc x 3/4 -See your local Murray distributor for parts and service.
217	409167		Rod Pivot Hood -See your local Murray distributor for parts and service.
218	196395		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		1/4-20 x 3/8 -See your local Murray distributor for parts and service.
289	400796X428		Phone Holder -See your local Murray distributor for parts and service.

Decals Group (48L22AH0X8A)

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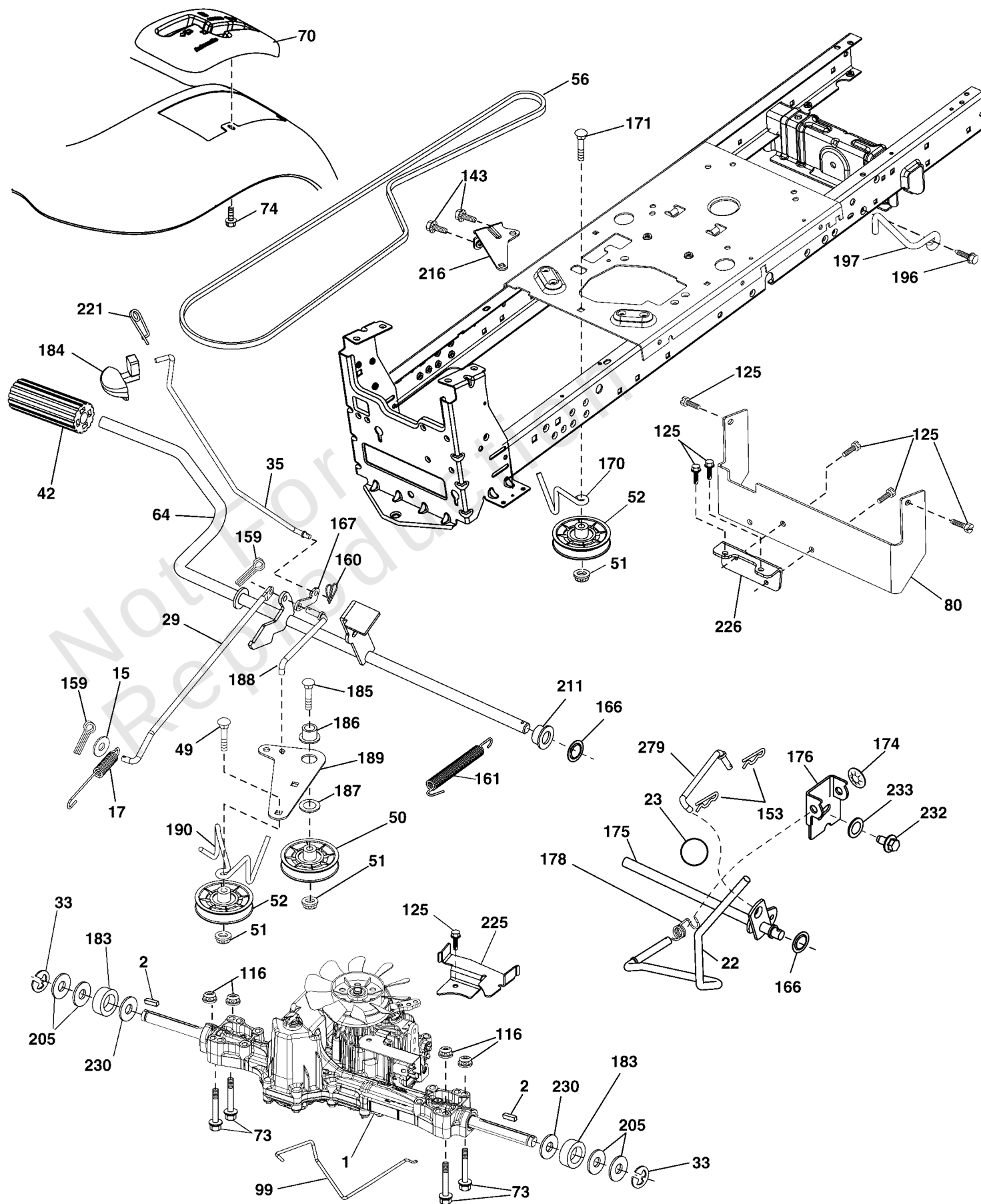
Decals Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
1	159737		Decal Brake/Clutch Symbol -See your local Murray distributor for parts and service.
2	408840		Decal Engine H.P. -See your local Murray distributor for parts and service.
3	400389		Decal Warning Symbols -See your local Murray distributor for parts and service.
4	140837		Decal Saddle Brake Parking -See your local Murray distributor for parts and service.
5	196841		Decal Warning Engine -See your local Murray distributor for parts and service.
6	196357		Decal Warning, Keep Hand Away -See your local Murray distributor for parts and service.
7	182166		Decal Deflect WRN. Cutfinger -See your local Murray distributor for parts and service.
8	429032		Decal Dash Lower -See your local Murray distributor for parts and service.
9	429026		Decal Fender Logo -See your local Murray distributor for parts and service.
11	429025		Decal Ins Strg Whl -See your local Murray distributor for parts and service.
14	198785		Decal V-Belt Schematic -See your local Murray distributor for parts and service.
16	429027		Decal Hood LH/RH Set -See your local Murray distributor for parts and service.
20	145005		Decal Bat Dan/Psn -See your local Murray distributor for parts and service.
--	193226X428		Pad Footrest LH -See your local Murray distributor for parts and service.
--	193277X428		Pad Footrest RH -See your local Murray distributor for parts and service.
--	166960		Decal Bypass -See your local Murray distributor for parts and service.
--	162598		Decal Load Limit -See your local Murray distributor for parts and service.
--	423467		Manual Operator's E&S -See your local Murray distributor for parts and service.
--	429048		Manual Operator's Portuguese -See your local Murray distributor for parts and service.
--	429049		Manual Parts -See your local Murray distributor for parts and service.

Drive Group (48L22AH0X8A)

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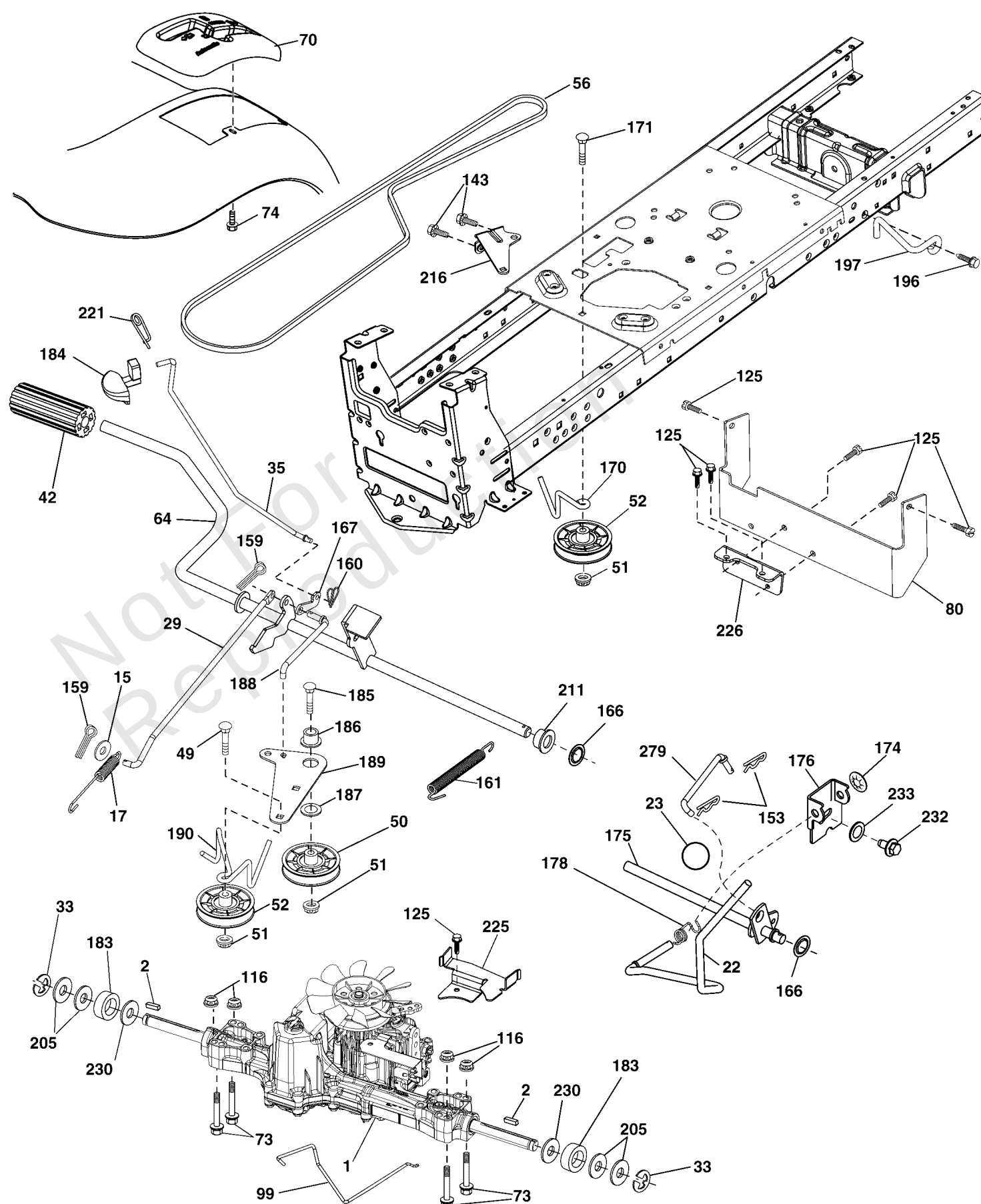
Drive Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
1	-----		Transaxle, TUFFTORQ K46 BA -(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	413678		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 Deluxe 1/2-13 unc -See your local Murray distributor for parts and service.
29	403806		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.
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 910" Offset -See your local Murray distributor for parts and service.
56	130969		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 Shift -See your local Murray distributor for parts and service.
73	74490544		Bolt 5/16-18 Gr. 5 -See your local Murray distributor for parts and service.
74	142432		Screw Hex Wsh Hi-Lo 1/4 x 1/2 unc -See your local Murray distributor for parts and service.
80	410024		Strap Torque -See your local Murray distributor for parts and service.
99	415742		Rod Bypass -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.
125	17000512		Screw 5/16-18 x 3/4 -See your local Murray distributor for parts and service.
143	17490508		Screw -See your local Murray distributor for parts and service.
153	4497H		Retainer Spring -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.
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	428305		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.

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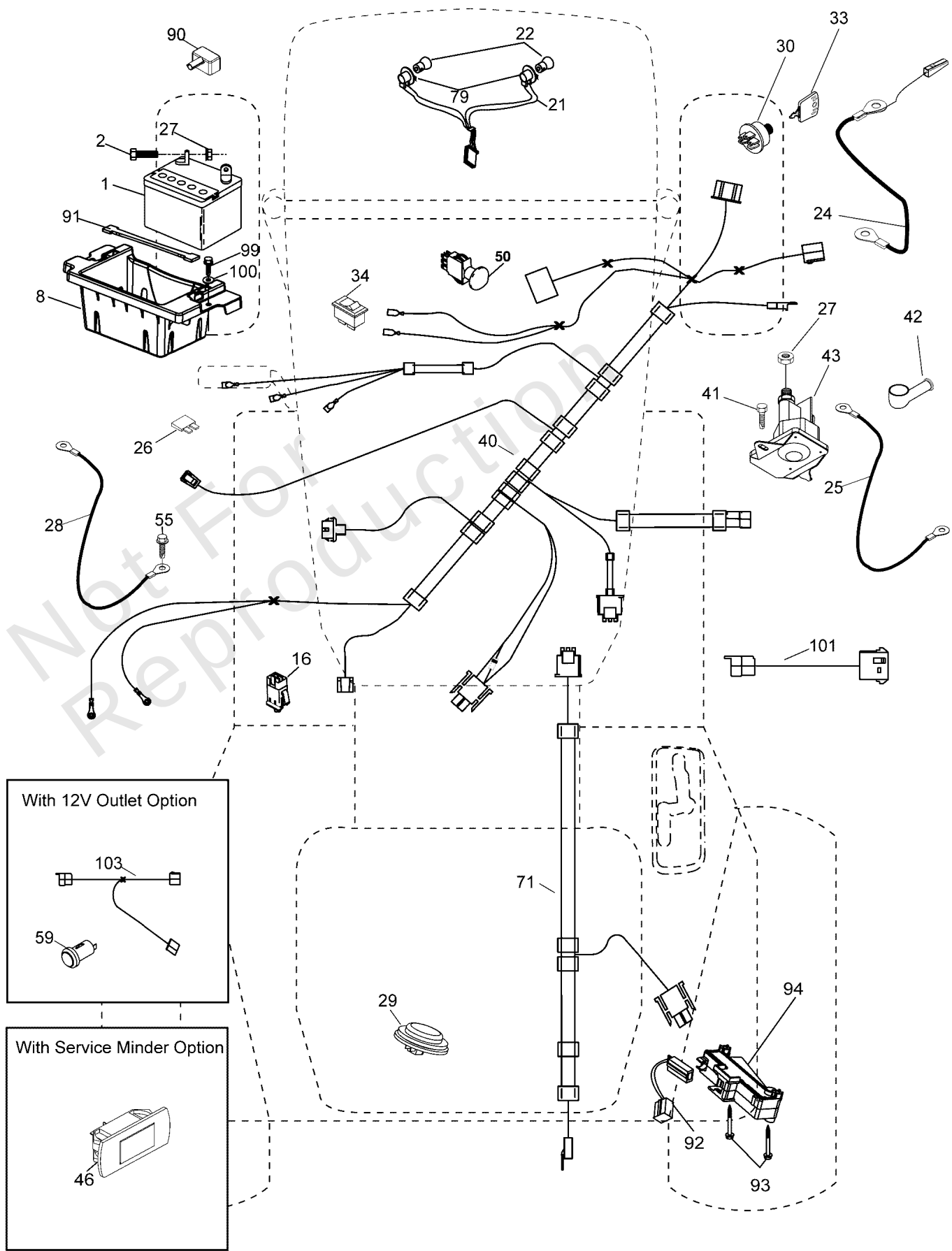
Drive Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
170	194322		Keeper Belt Centerspan -See your local Murray distributor for parts and service.
171	72110616		Bolt RDHD 3/8-16 unc x 2 -See your local Murray distributor for parts and service.
174	197289		Nut Push -See your local Murray distributor for parts and service.
175	406208		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	137057		Spacer Split -See your local Murray distributor for parts and service.
184	198403X505		Handle Parking Brake -See your local Murray distributor for parts and service.
185	72110622		Bolt Rdhd Sqnk 3/8-16 x 2-3/4 Gr. -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	195804		Link Clutch Anti-Rotation -See your local Murray distributor for parts and service.
205	121748X		Washer -See your local Murray distributor for parts and service.
211	196212		Bearing Shaft Brake -See your local Murray distributor for parts and service.
216	196131		Bracket Pulley -See your local Murray distributor for parts and service.
221	403187		Retainer Spring Clip Handle -See your local Murray distributor for parts and service.
225	403319		Keeper Belt Trans. -See your local Murray distributor for parts and service.
226	401564		Bracket Mount Torque -See your local Murray distributor for parts and service.
230	188967		Washer Harden -See your local Murray distributor for parts and service.
232	74780716		Bolt Fin Hex 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	406207		Link Shift T/A -See your local Murray distributor for parts and service.

Electrical Group (48L22AH0X8A)

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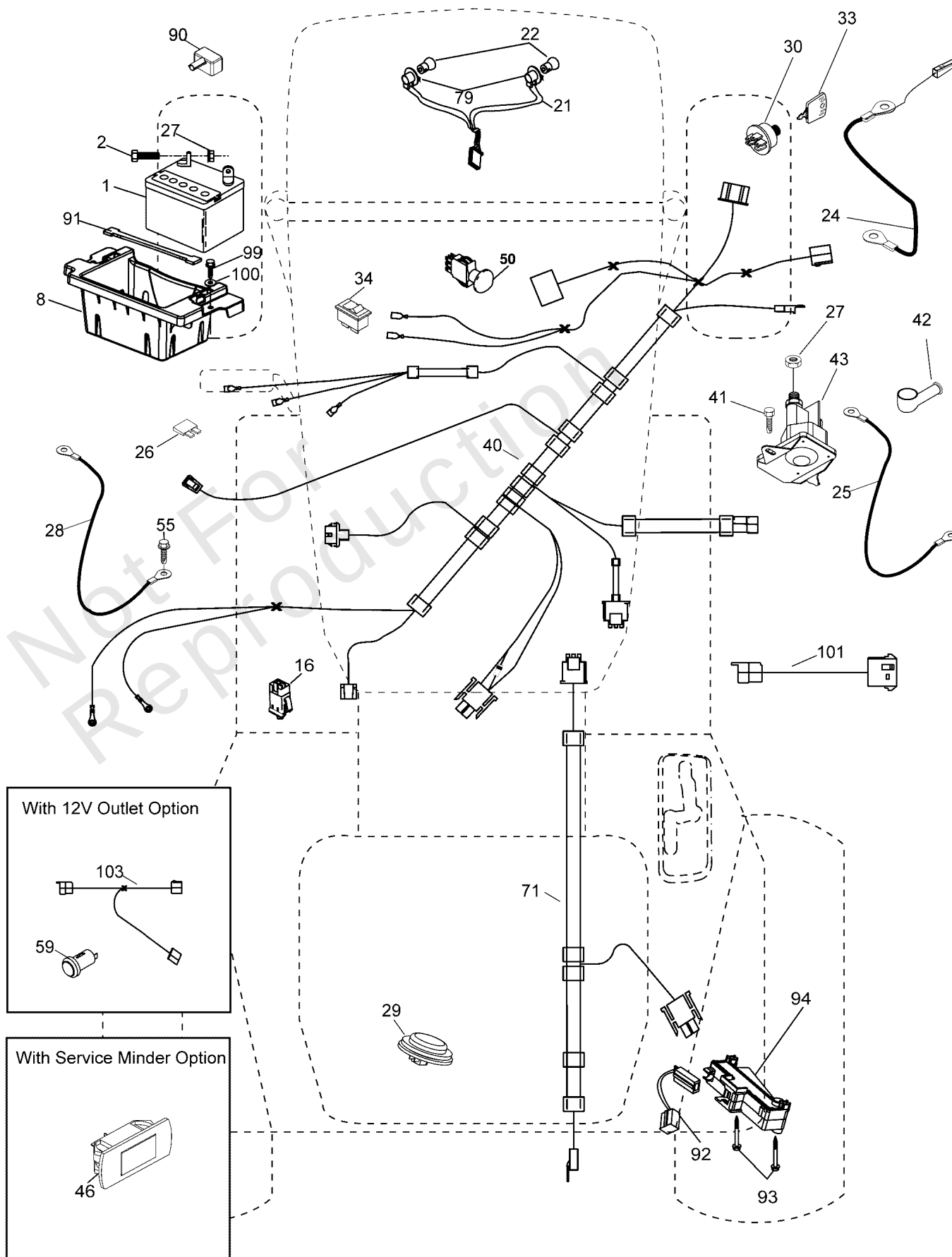
Electrical Group (48L22AHOX8A)

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 -See your local Murray distributor for parts and service.
22	4152J		Bulb, Light #1156 -See your local Murray distributor for parts and service.
24	400253		Cable Battery -See your local Murray distributor for parts and service.
25	412894		Cable Battery 6 Ga. BL/Red 14.5 -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	145491		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	400724		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 (48L22AH0X8A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L22AH0X8A



Electrical Group (48L22AHOX8A)

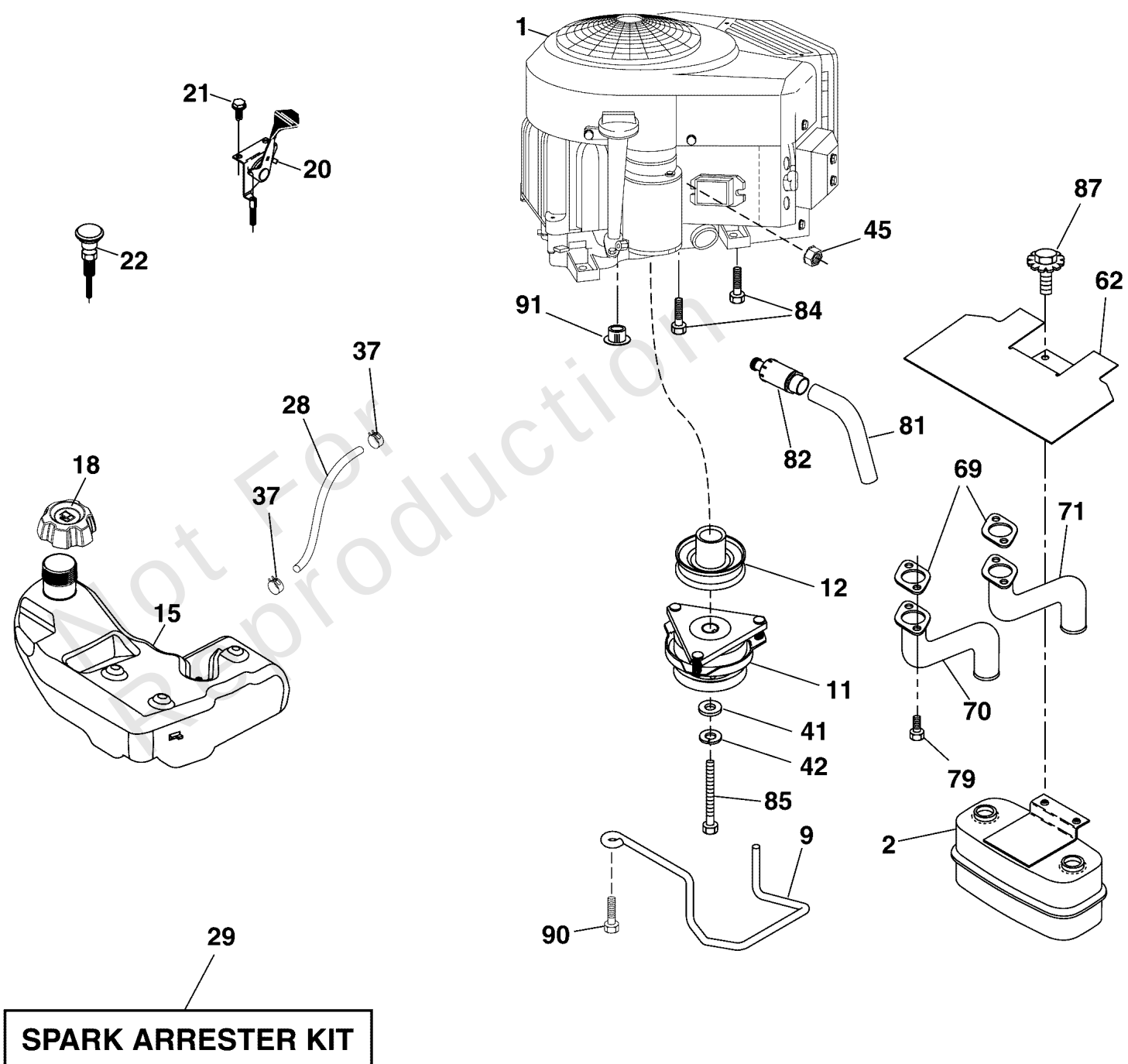
REF NO	PART NO	QTY	DESCRIPTION
100	19091416		Washer 9/32 x 7/8 x 16 Ga. -See your local Murray distributor for parts and service.
101	198317		Pigtail Harness -See your local Murray distributor for parts and service.

Not For Reproduction

Engine Group - 22HP (48L22AHOX8A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L22AH0X8A



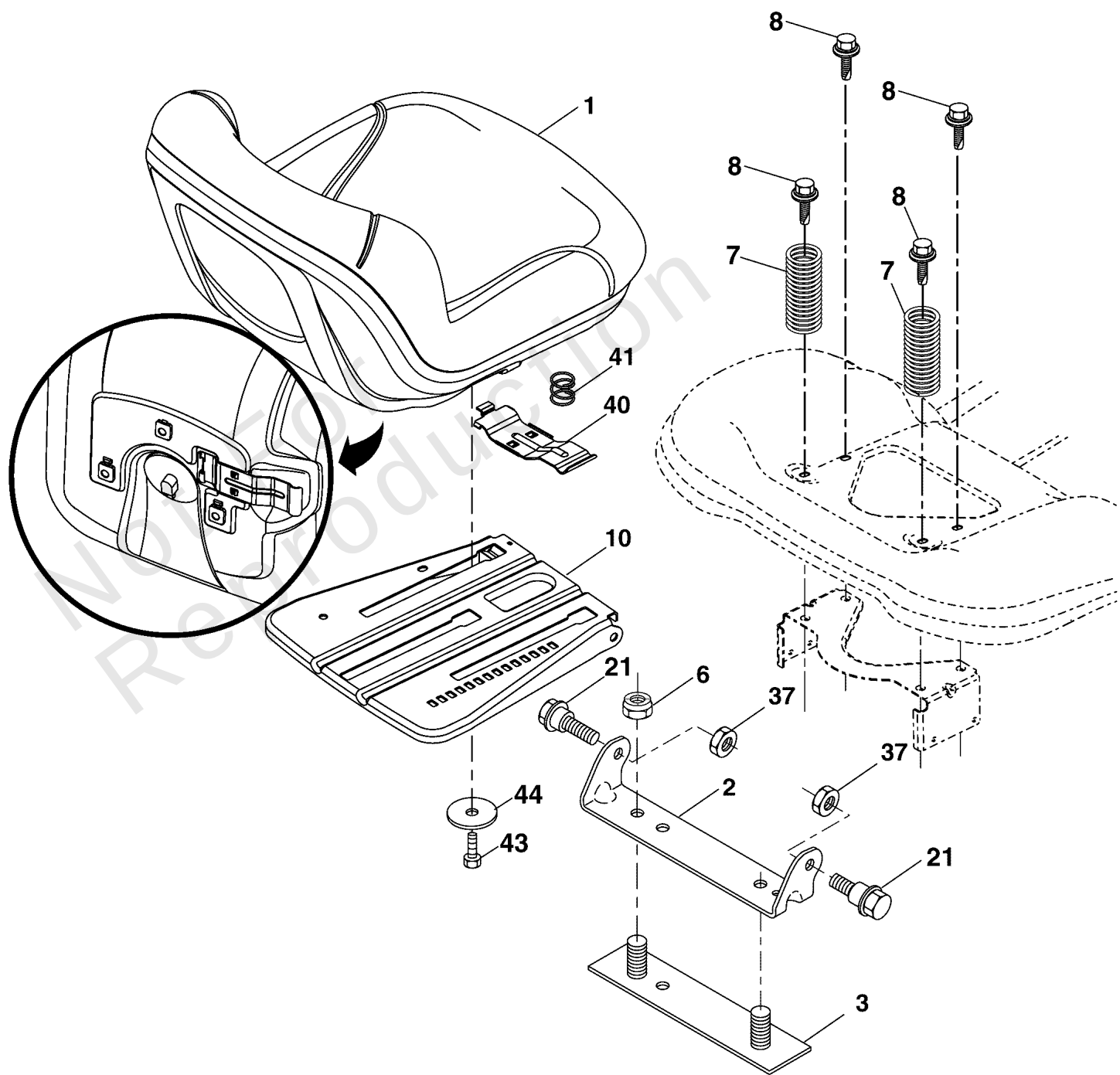
Engine Group - 22HP (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
1	407777-1217-B1		ENGINE, 22HP Briggs & Stratton -See your local Murray distributor for parts and service.
2	149723		Muffler -See your local Murray distributor for parts and service.
9	194320		Keeper Belt Engine -See your local Murray distributor for parts and service.
11	400008		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	175437X505		Control Throttle -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.
22	187767X505		Control Choke -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	146629		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	159955		Exhaust Tube LH -See your local Murray distributor for parts and service.
71	160589		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	173937		Bolt Hex 7/16-20 x 4 5 Ga. 1.5 -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.

Seat Group (48L22AH0X8A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L22AH0X8A



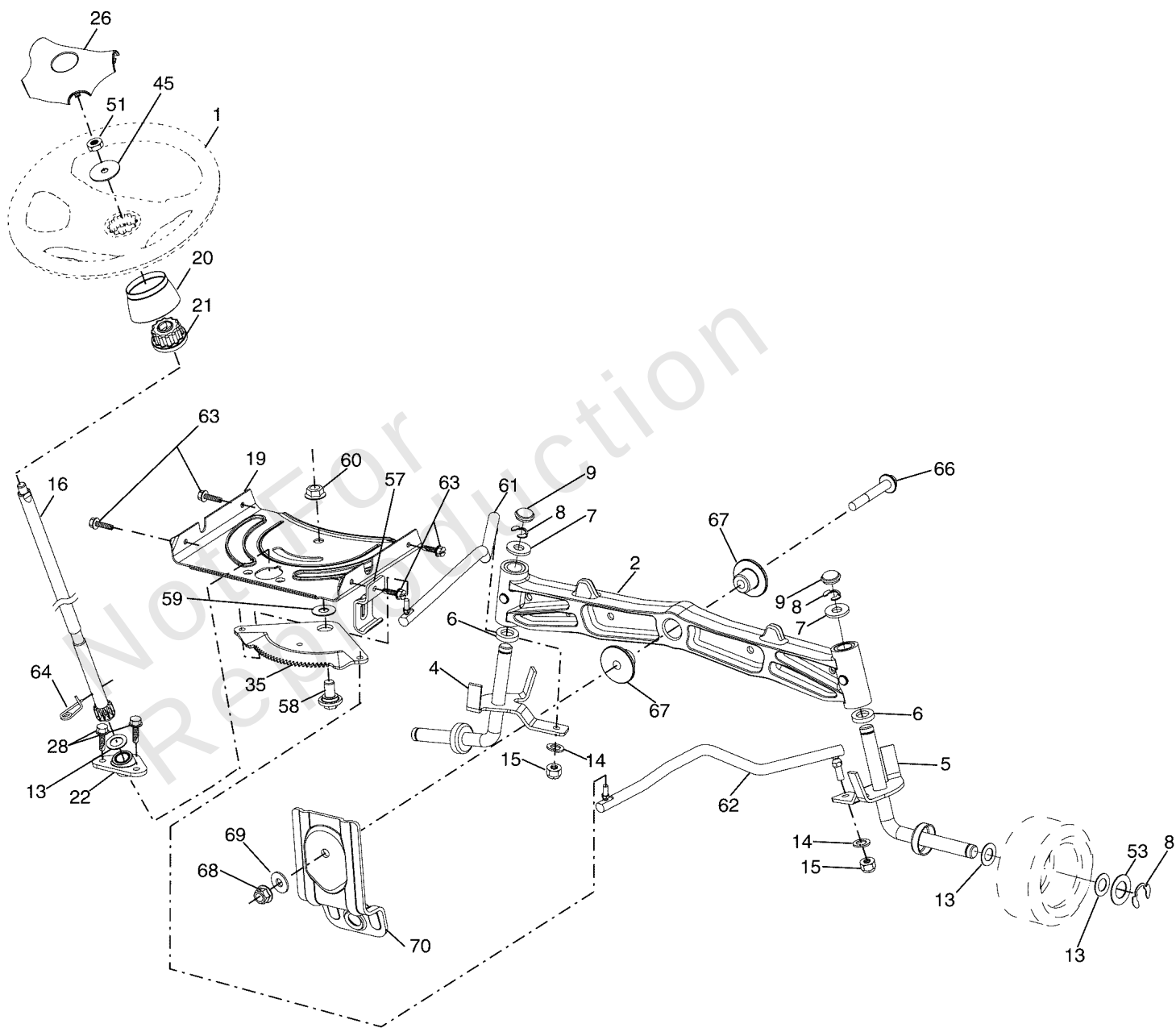
Seat Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
1	406625		Seat -See your local Murray distributor for parts and service.
2	180166		Bracket Pivot Fender -See your local Murray distributor for parts and service.
3	140675		Strap, Asm Fender -See your local Murray distributor for parts and service.
6	73800600		Nut, Lock w/Ins. 3/8-16 unc -See your local Murray distributor for parts and service.
7	124181X		Spring, Seat Cprsn -See your local Murray distributor for parts and service.
8	171877		Bolt 5/16-18 unc x 3/4 w/Sems -See your local Murray distributor for parts and service.
10	196977		Pan, Seat -See your local Murray distributor for parts and service.
21	171852		Bolt, Shoulder 5/16-18 -See your local Murray distributor for parts and service.
37	73800500		Nut, Lock 5/16-18 unc -See your local Murray distributor for parts and service.
40	197661		Handle Slide -See your local Murray distributor for parts and service.
41	198200		Spring Latch -See your local Murray distributor for parts and service.
43	74760612		Bolt 3/8-16 unc x 3/4 -See your local Murray distributor for parts and service.
44	19133812		Washer 13/32 x 2 3/8 x 12 Ga. -See your local Murray distributor for parts and service.

Steering Group (48L22AH0X8A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L22AH0X8A



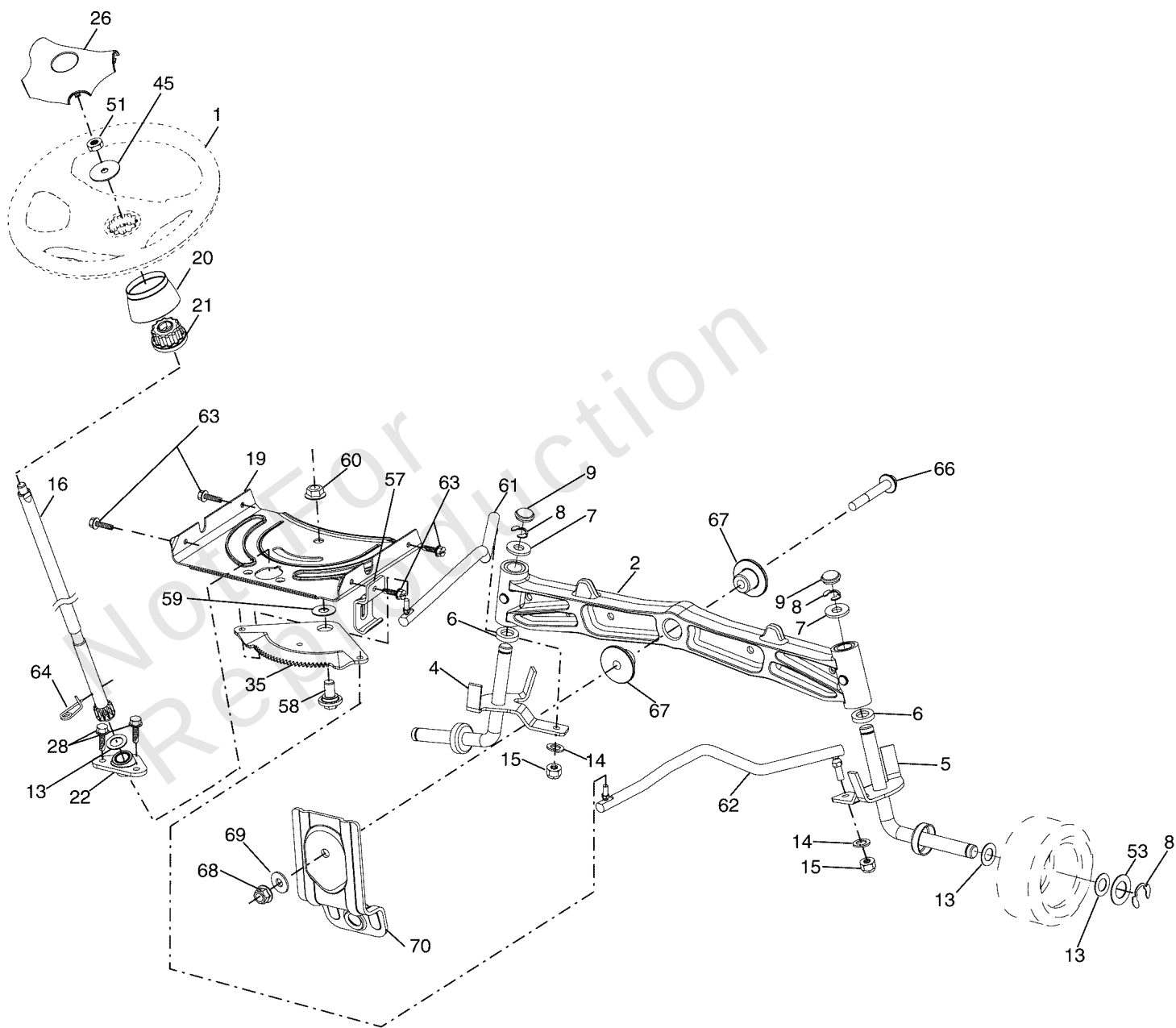
Steering Group (48L22AHOX8A)

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		Washer, Thrust .75 x 1.230 -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 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	408219		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	186737		Adapter, Wheel Steering -See your local Murray distributor for parts and service.
22	194845		Bushing, Strg. Blk -See your local Murray distributor for parts and service.
26	414854X428		Insert, Wheel Steering -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	19183812		Washer 9/16 x 2-3/8 -See your local Murray distributor for parts and service.
51	73940800		Nut Hex Jam Toplock 1/2-20 unf -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.
64	199849		Retainer Clip Spring Steering -See your local Murray distributor for parts and service.

Steering Group (48L22AH0X8A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L22AH0X8A



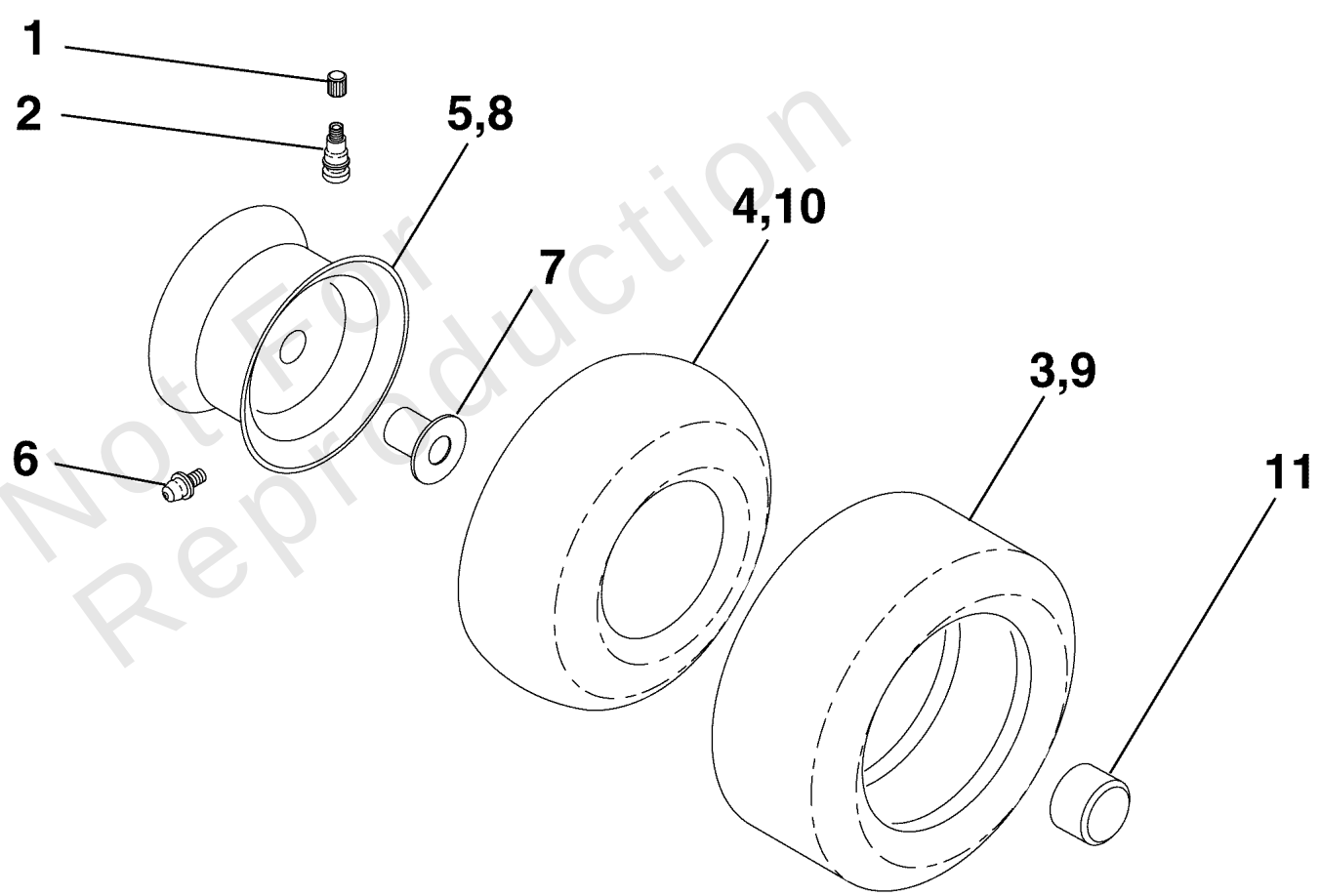
Steering Group (48L22AHOX8A)

REF NO	PART NO	QTY	DESCRIPTION
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.

Wheels & Tires (48L22AH0X8A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 48L22AH0X8A



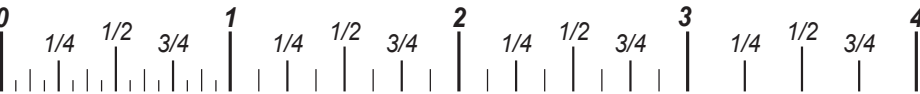
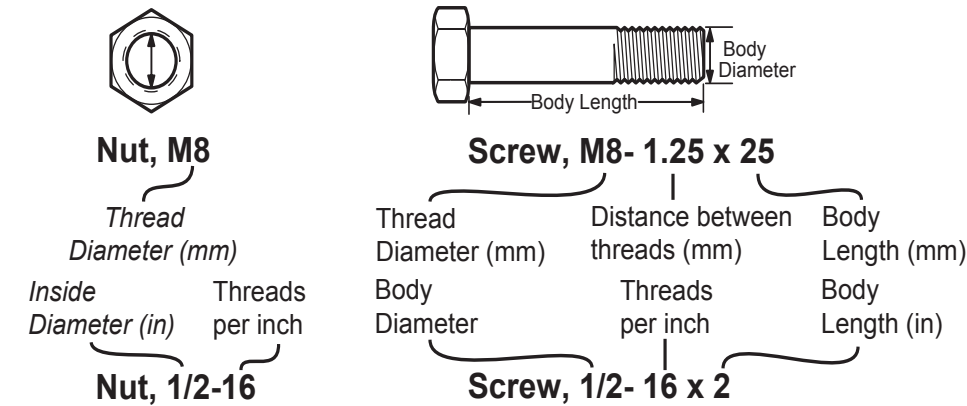
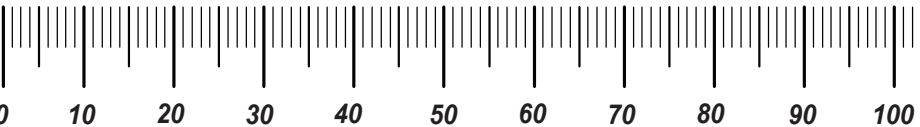
Wheels & Tires (48L22AHOX8A)

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	106222X		Tire F T 15 x 6 0 - 6 Service -See your local Murray distributor for parts and service.
4	59904		Tube Front (Service Item Only) -See your local Murray distributor for parts and service.
5	106732X624		Rim Asm 6" Front Service -See your local Murray distributor for parts and service.
6	278H		Fitting Grease (Front Wheel Only) -See your local Murray distributor for parts and service.
7	9040H		Bearing Flange (Front Wheel Only) -See your local Murray distributor for parts and service.
8	106108X624		Rim Asm 8" Rear Service -See your local Murray distributor for parts and service.
9	138468		Tire R TS 20 x 8-C Service -See your local Murray distributor for parts and service.
10	7152J		Tube Rear (Service Item Only) -See your local Murray distributor for parts and service.
11	104757X428		Cap Axle Blk 1 50 x 1 00 -See your local Murray distributor for parts and service.
--	144334		Sealant, Tire (10 oz. Tube) -See your local Murray distributor for parts and service.

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).

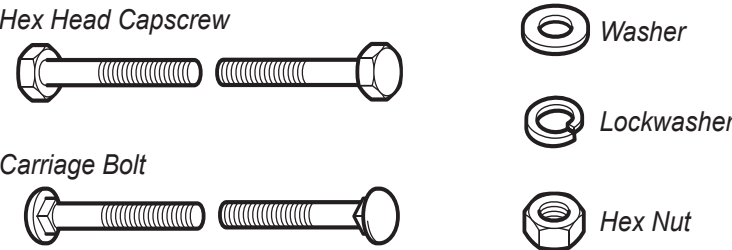
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

