



Parts Manual

Mfg. No: 465602x31B
Lawn Tractor (2002)

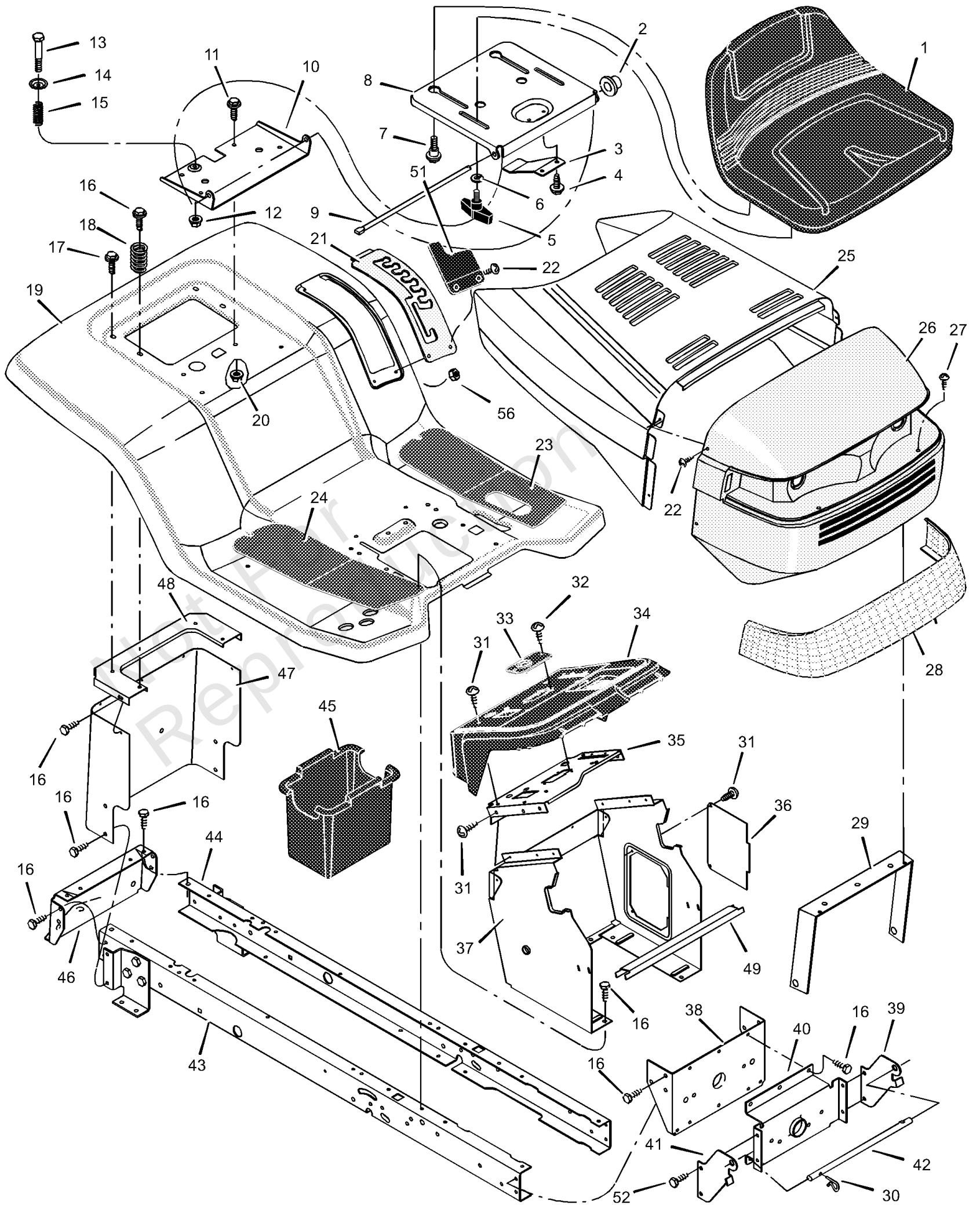
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Chassis And Hood

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 465602x31B



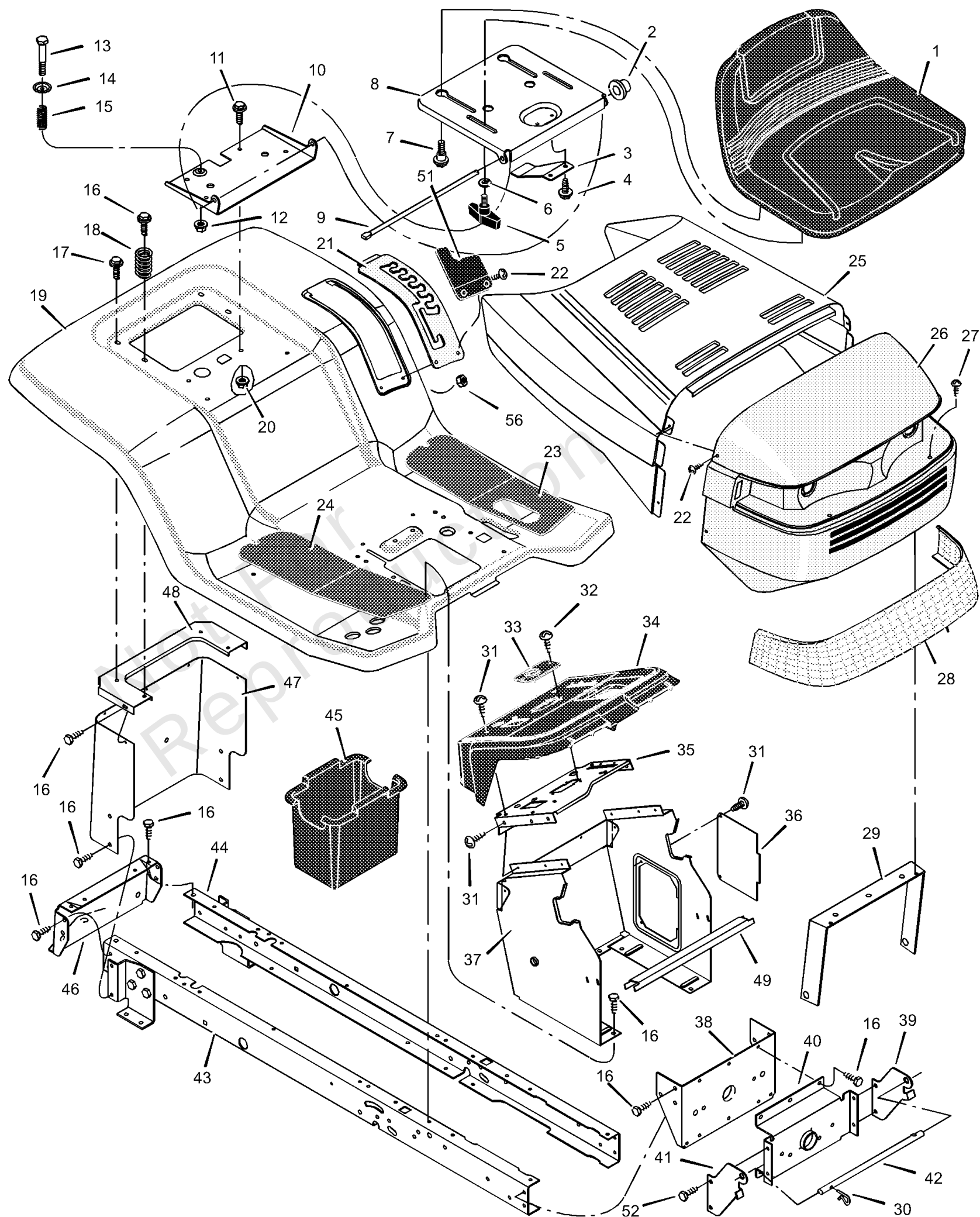
Chassis And Hood

REF NO	PART NO	QTY	DESCRIPTION
1	1001028MA		Seat
2	028X23MA		Cap, Push On
3	094057MA		Spring
4	26X229MA		Screw
5	1001054MA		Bolt, Wing
6	017X47MA		Washer
7	009X56MA		Bolt, Shoulder
8	094154E700		Support, Seat
9	094156ZMA		Rod, Pivot
10	094153E700MA		Bracket, Pivot
11	001X45MA		Bolt
12	015X89MA		NUT .25-20 FLANGELOCK
13	009X55MA		Bolt, Shoulder
14	094155 Z		Washer
15	164X31		Spring
16	26X249MA		Screw
17	26X263MA		SCREW.25-20 S-T
18	164X30MA		Spring
19	1001285E700		Deck, Seat
20	015X88MA		Nut
21	094194E700		Plate, Index
22	009X47MA		Screw
23	094109		Mat, Left
24	094108		Mat, Right
25	093215E700MA		Hood
26	093149MA		Grille Assembly -(Includes Lens)
27	26X239MA		Screw -(Included with Ref. No. 26)
28	093139MA		Lens
29	093190MA		Brace, Grille -(Included with Ref. No. 26)
30	0031X4MA		Pin, Hair
31	26X270		Screw
32	26X238MA		Screw
33	094219MA		Bearing, Steering
34	094223		Dash
35	094221E701MA		Plate, Dash
36	093007E700		Panel, Access
37	095082E700		Support, Dash
38	1001270E701MA		Bracket, Rear Hanger
39	690544E700		Support, Left Grille
40	094007E700		Axle, Hanger
41	690543E700		Support, Right Grille
42	093137 Z		Rod, Pivot
43	1001268E701		Frame, Right
44	1001269E701MA		RAIL-FRAME LH
45	690424MA		Container, Battery
46	1001002E700		Plate, Hitch
47	690218E700		Plate, Rear
48	094186E700		Top, Rear Plate
49	095081E700		Channel

Chassis And Hood

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Chassis And Hood

REF NO	PART NO	QTY	DESCRIPTION
51	094680MA		Cover, Detent
52	26X277MA		Screw
56	015X81MA		NUT#10-24 MCLEANLOCK
--	F-020747L		Instruction Book & Parts List

Not For Reproduction

No
Diagram
Available

Parts List
Only

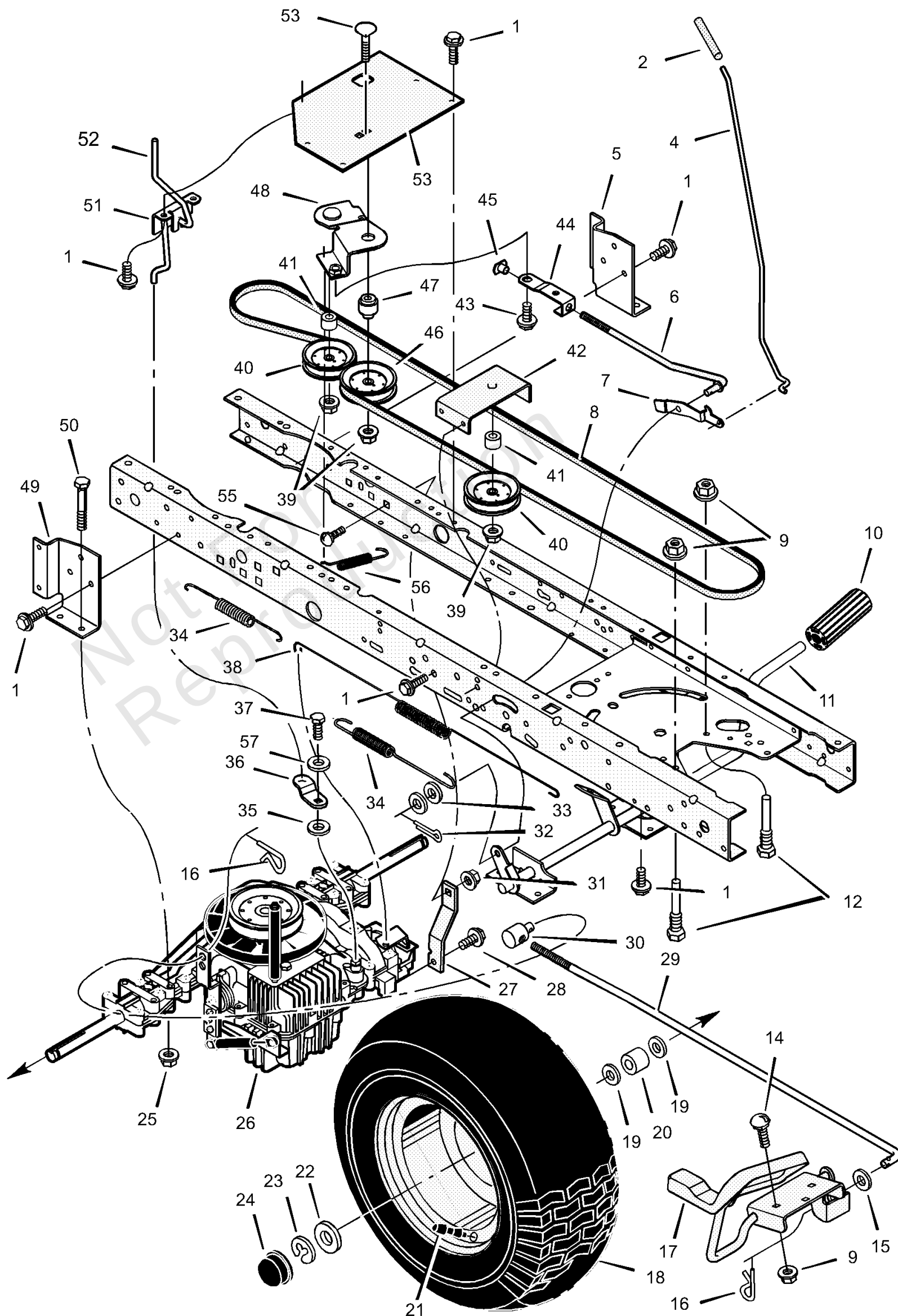
Decals

REF NO	PART NO	QTY	DESCRIPTION
	48X616	1	Twin Cylinder I/C (Hood - Top Left)
	48X236MA	1	Cut Finger (Mower Deck -Right Side)
	48X1020	1	Murray 21/46 HYDRO (Hood -Side)
	48X1021	1	Murray 21/46 HYDRO (Hood -Side)
	44X7774MA	1	Warning (Console - Center)
	44X6600	1	Gage Wheel Instructions (Mower Deck - Left Side)
	44X6279	1	1-6 Height Adjust-Lift
	44X6870MA	1	No Step (Mower Deck -Left Side)
	48X630	1	3 Way (Mower Deck - Left Side)
	48X614	1	Wide Body LT (Seat Deck Rear Right)
	48X613	1	MURRAY Select (Seat Deck -Rear Center)
	44X7142	1	Deck Level Position -ONLY (Seat Deck -Left Side)
	44X7228MA	1	Gage Wheel Leveling (2)
	44X7535MA	1	Cutting Height (Seat Deck -Left Side)
	48X553	1	Customer Care (Console -Top Right)
	44X4331	1	Brake/Parking Brake (Footrest -Left)
	44X4791	1	Mulch Kit Installed (Chute Deflector)
	44X8064	1	DANKA
	48X615	1	MURRAY SELECT Logo
	44X6675MA	1	Auto Drive (Console -Top Right)
	44X6669	1	Dump Valve (Seat Deck - Top Left)
	48X718	1	Service Replacement Parts
	44X7140	1	No Step

Drive Assembly

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Drive Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	26X249MA		Screw
2	091079MA		Grip, Parking Brake
4	1001271 Z		Rod, Parking Brake
5	094185E700		Bracket, Transaxle - Left
6	1001013 Z		Rod, Clutch
7	094045 Z		Latch, Parking Brake
8	37X106MA		V-Belt, Drive
9	015X79MA		Nut, Flange
10	021544MA		Pedal, Brake/Clutch
11	1001011E700		Assembly, Brake Pedal
12	094384MA		Screw, Guide
14	002X53MA		Bolt, Carriage
15	017X57MA		Washer
16	0031X4MA		Pin, Hair
17	1001231E700		Pedal Assembly, Hydro
18	092511-601		Wheel & Tire Ass'y - Rear 20"
--	407926MA		Tire ONLY *
--	407049MA		Tube ONLY
19	17X160MA		Washer
20	690554 Z		Spacer
21	024373MA		VALVE STM&CP,TR41 SE
22	17X195MA		Washer
23	0011X3MA		RING, E .750D .050T
24	094618MA		HUB CAP
25	015X88MA		Nut, Centerlock
26	----		Transaxle **
27	1001085E701		Strap, Torque
28	26X216MA		Screw
29	1001234 Z		Rod, Control
30	092132MA		NUT, Adjusting, 1/2-13
31	015X84MA		Nut, Centerlock
32	030X20MA		Pin, Cotter
33	017X48MA		Washer
34	165X92MA		Spring, Extension
35	17X148MA		Washer
36	1001086ZMA		ARM, Disconnect
37	06X105MA		Capscrew
38	165X150MA		Spring, Brake
39	015X98MA		Locknut, Flange
40	690409MA		Pulley, Idler
41	690369MA		Spacer
42	1001097E701		Bracket, Idler Assembly
43	009X49MA		Bolt, Shoulder
44	1001007 Z		Link, Clutch
45	1001014MA		Nut, Tee
46	690410MA		Pulley, Idler
47	1001012MA		Bushing, Pivot
48	1001018 Z		Arm Assembly, Idler

Footnotes:

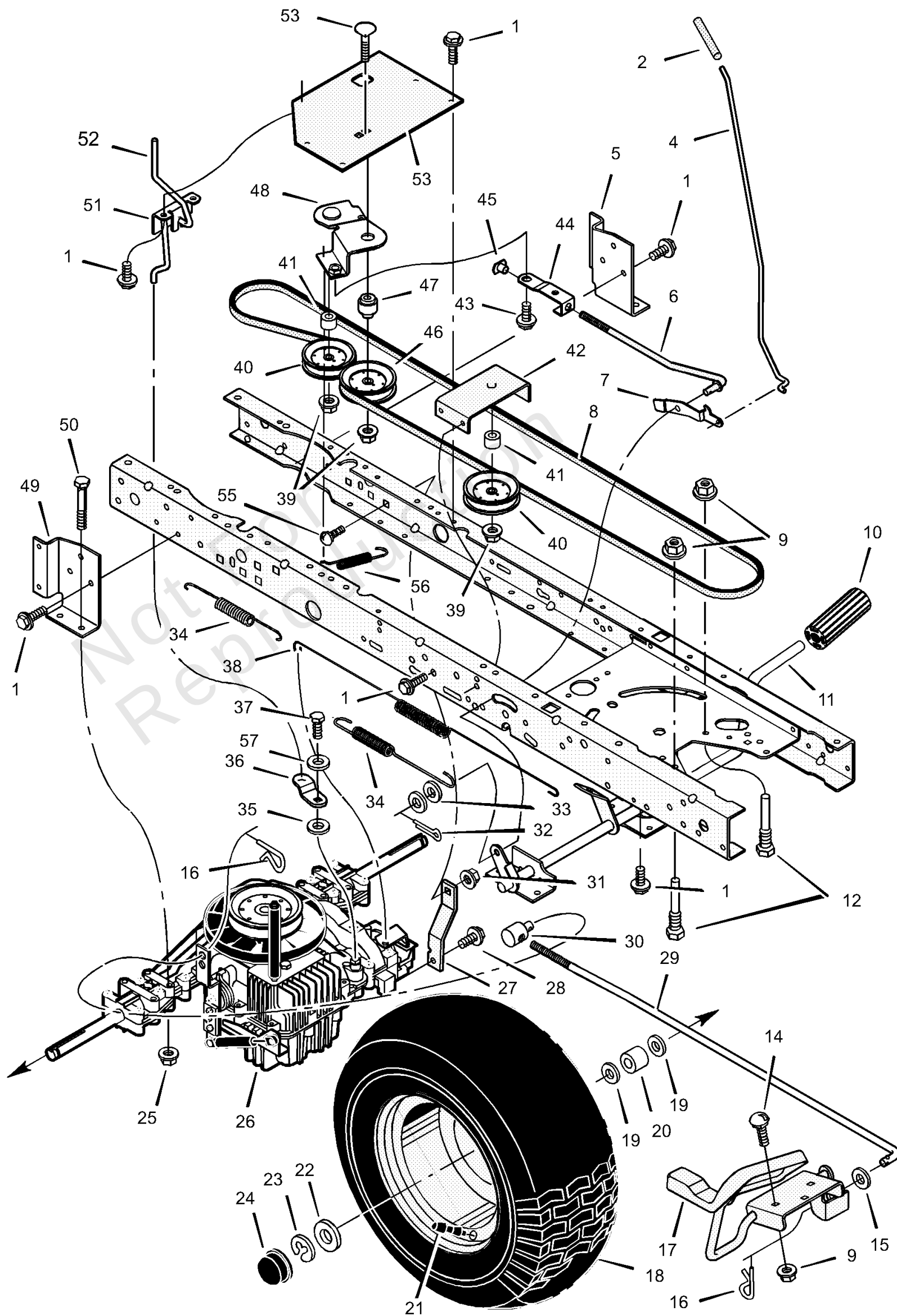
Note** For information on Replacement Parts see the Central Parts Distributor on your area.

Note* When you order a tire, make sure to give the brand name of the tire so that the tread pattern on the tire will match.

Drive Assembly

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Drive Assembly

REF NO	PART NO	QTY	DESCRIPTION
49	094184E700		Bracket, Transaxle -Right
50	01X155MA		Bolt, Hex
51	1001214 Z		Bracket, Disconnect
52	1001215ZMA		Rod, Disconnect
53	1001108E701		Bracket, Idler Pivot
54	002X92		Bolt, Carriage
55	002X78		Bolt, Carriage
56	165X155MA		Spring, Clutch
57	017X38MA		Washer

Not For
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Footnotes:

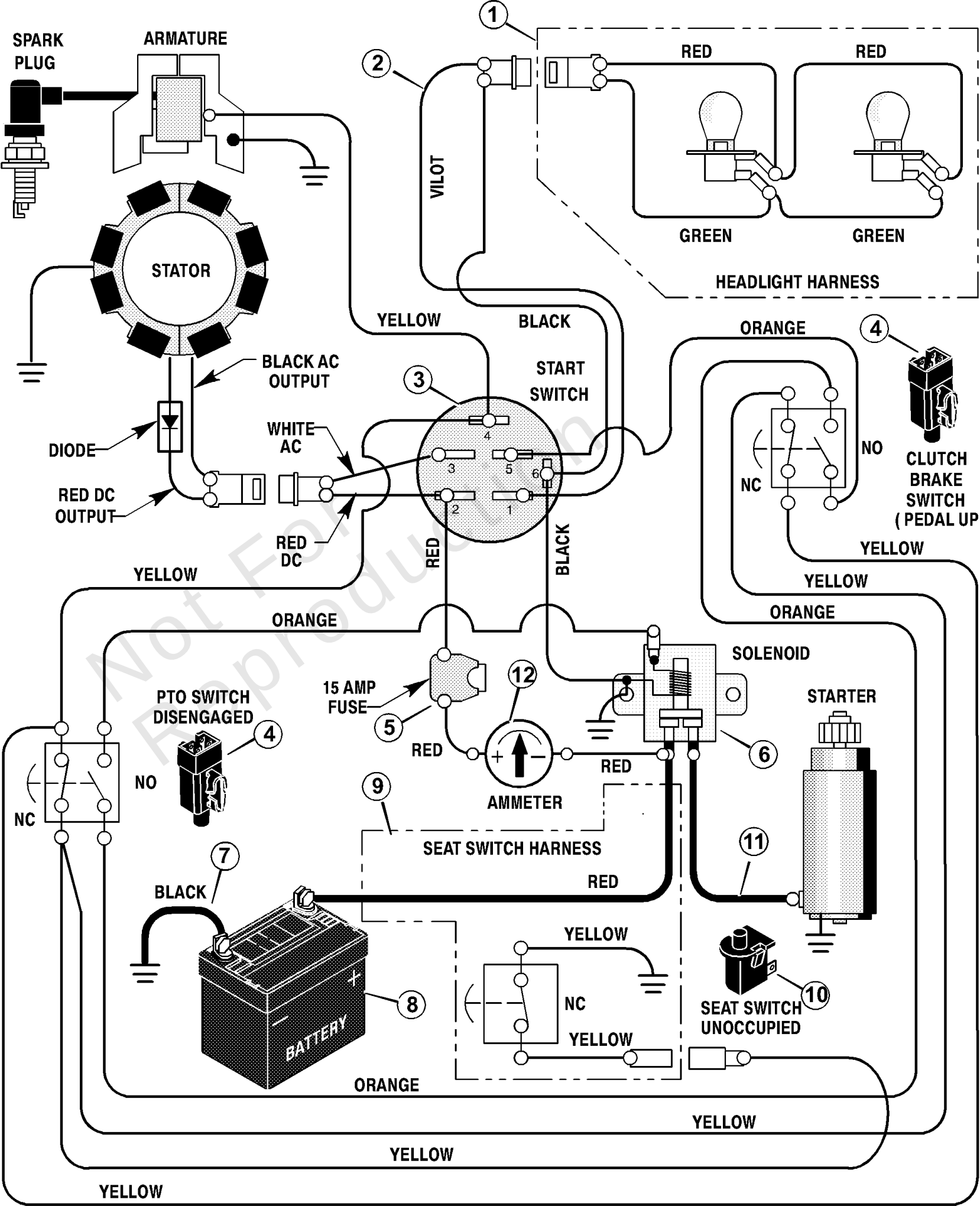
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Electrical System

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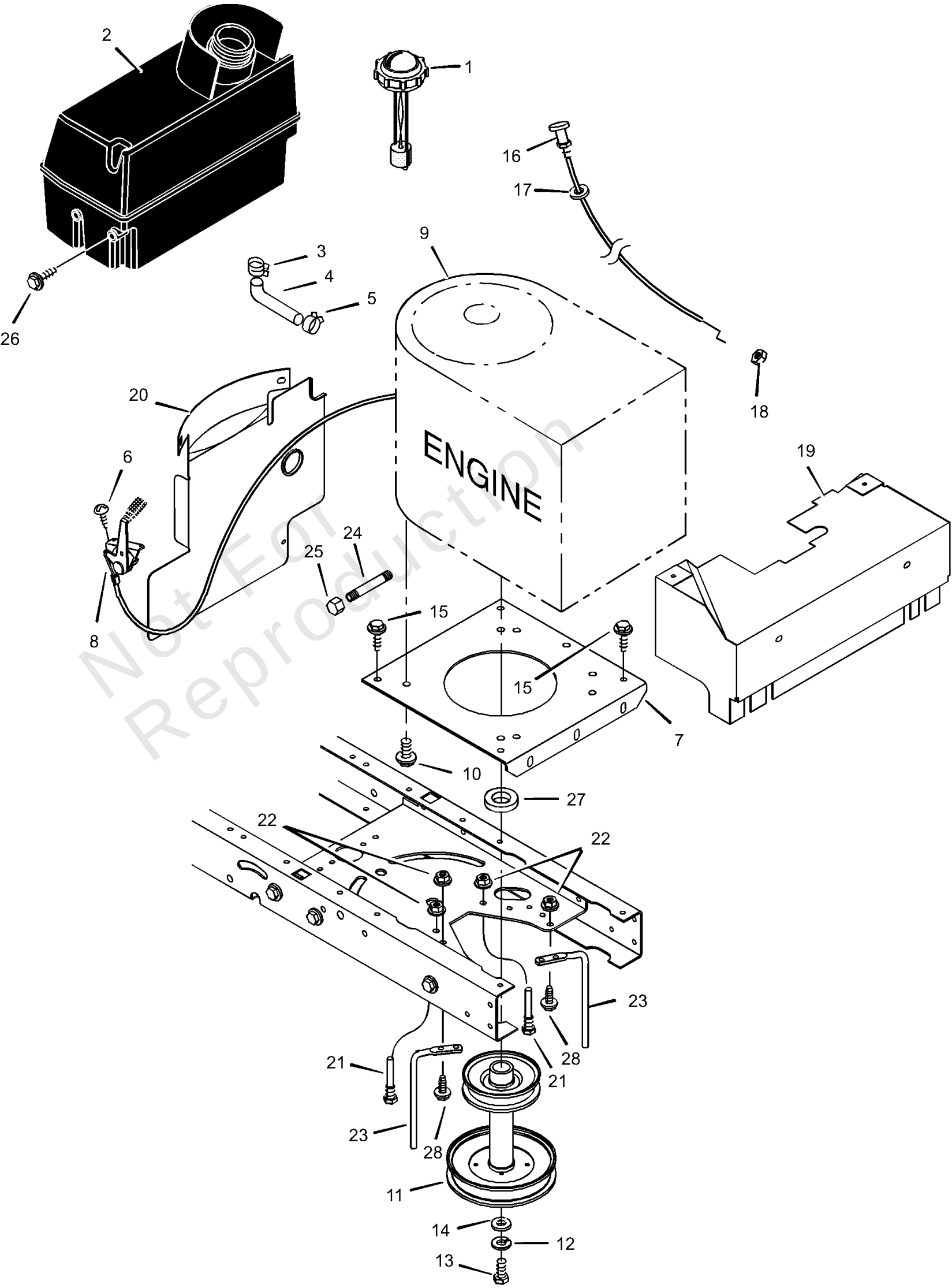
Electrical System

REF NO	PART NO	QTY	DESCRIPTION
1	250X92MA		Harness, Light Wire
--	092372		Socket, Light
--	090084MA		Bulb, Light
2	250X86MA		Harness, Chassis Wire
3	092377MA		Switch, Ignition
--	020729		Key, Ignition
--	091489MA		Nut, Hex
--	091488		Cap, Ignition
4	094136MA		Switch, Limit
5	054212		Fuse
--	407078MA		Holder, Fuse
6	094613		Solenoid
--	26X229MA		Screw, Mounting
--	15X116MA		Locknut
7	024X32MA		Cable, Battery Ground
--	26X213MA		Screw, Ground Cable
8	021075		Battery
--	002X82MA		Bolt, Carriage
--	014X79MA		Wingnut
--	024196		Boot, Cable
9	250X67MA		Harness, Seat Switch Wire
10	094159MA		Switch, Seat Sensor
11	024X31MA		Cable
12	093156MA		Ammeter
--	250X90		Harness, AC/DC Jumper

Engine Mount

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Engine Mount

REF NO	PART NO	QTY	DESCRIPTION
1	1001279MA		Fuel Cap
2	690306		Fuel Tank
3	095197MA		Hose Clamp -(Included with Ref. No. 2)
4	7601033MA		Fuel Line (Must cut to length) -(Included with Ref. No. 2)
5	095197MA		Hose Clamp
6	26X201MA		Screw
7	094006E700		Plate, Engine
8	093165MA		Throttle Control
9	-----		Engine *
--	095198MA		Muffler
--	095208MA		Gasket, Muffler
--	095200		Liner, Port (Muffler)
10	0025X7MA		Bolt, Engine Mount
11	690507MA		Stack Pulley Assembly
12	019X35MA		Lockwasher
13	01X140MA		Bolt, Hex
14	17X170MA		WASHER.46.97.25 FLAT
15	26X249MA		Screw
16	690401		Choke
17	0019X8MA		Washer
18	015X33MA		Nut
19	093191		Shield, Heat
20	093078E700		Baffle, Rear Engine
21	094384MA		Guide, Belt
22	015X79 Z		Nut, Flange
23	091797 Z		Guide, "L" Belt
24	092279		Pipe, Oil Drain
25	021651		Cap, Oil Drain
26	26X253MA		Screw
27	093077MA		Spacer
28	025X15MA		Screw

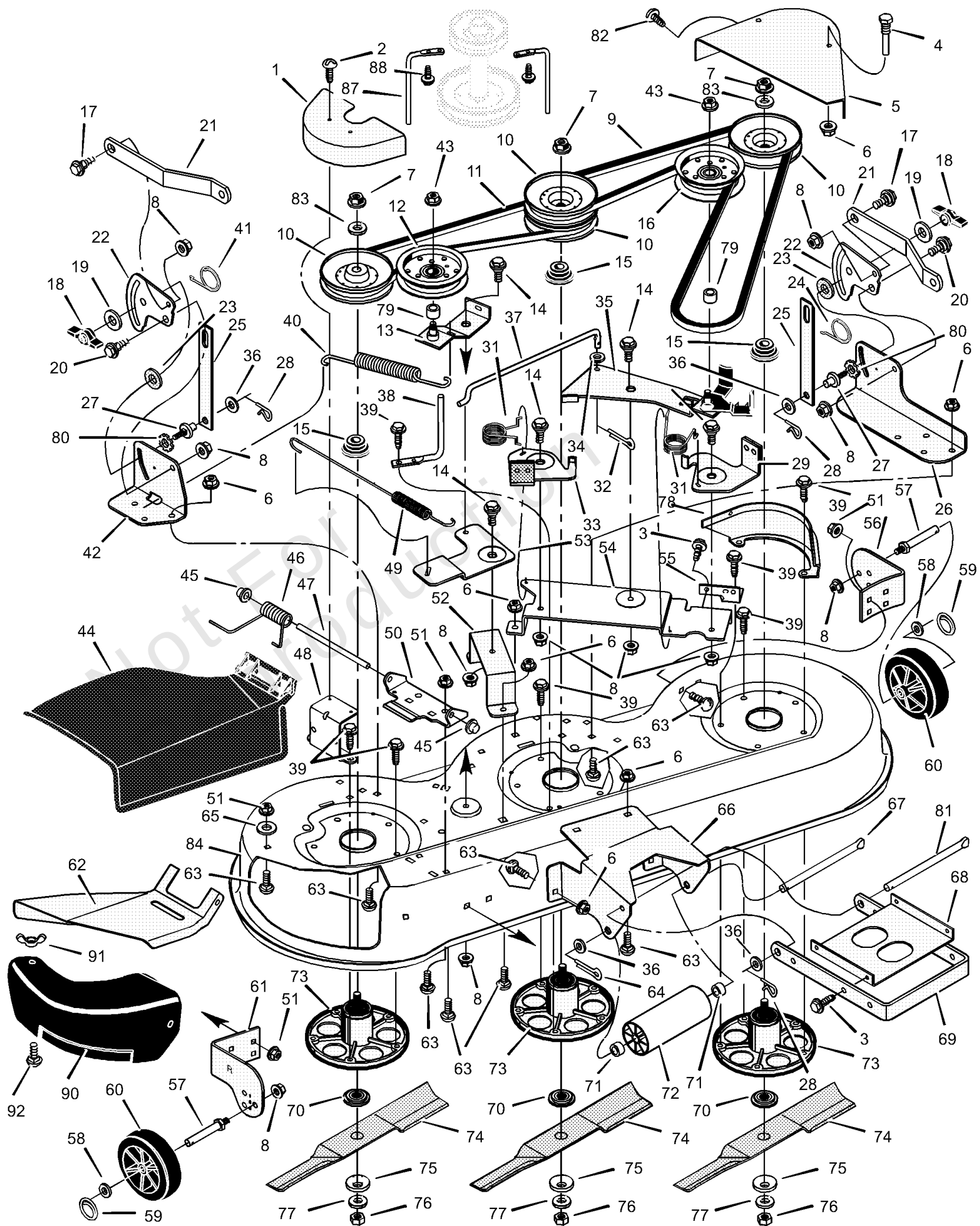
Footnotes:

Note* Parts are available from an Authorized Service Center. See "Engines, Gasoline" or "Gasoline Engines" in the yellow pages of the telephone directory.

Mower Housing

Note: Unless noted otherwise, use the standard torque specifications

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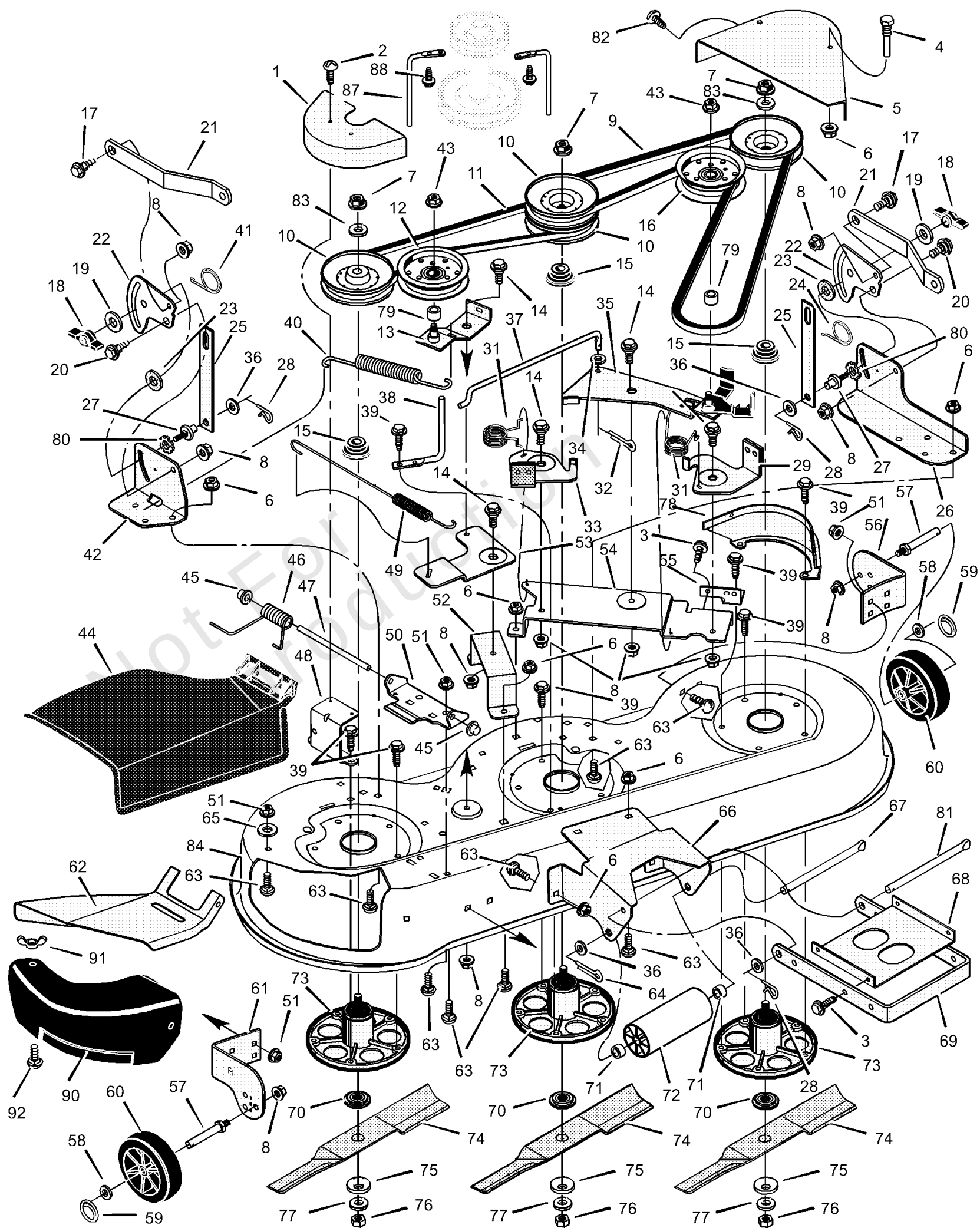
Mower Housing

REF NO	PART NO	QTY	DESCRIPTION
1	094607E700		Cover, Right Pulley
2	26X250MA		Screw
3	26X249MA		Screw
4	091754 Z		Guide, Belt
5	094645E700		Cover, Left Pulley
6	015X79MA		Nut, Hex
7	15X121		Nut, Flange
8	015X84MA		Nut, Flange
9	037X89MA		Belt, Primary
10	094592MA		Pulley
11	037X66MA		Belt, Secondary
12	690549MA		Pulley, Idler
13	094639		Arm, Idler
14	009X39MA		Bolt, Shoulder
15	1001197MA		Spacer, Pulley
16	690387MA		Pulley, Idler
17	009X52MA		Bolt, Shoulder
18	094068MA		Knob
19	017X45 Z		Washer
20	009X51MA		BOLT-SHD.38-16X.499D
21	094055E700		Bracket, Rear Suspension
22	094128E700MA		Plate, Suspension
23	094137MA		FRICITION PAD
24	166X43MA		Spring
25	690212E700		Link, Lift
26	094600E700MA		Bracket, Left Lift
27	095194		Pin, Hanger
28	0031X4MA		Pin, Hair
29	094640E700		Brake Assembly, Left
30	094130MA		Spacer
31	166X41MA		Spring
32	030X20MA		Pin, Cotter
33	094641E700		Brake Assembly, Right
34	017X47MA		Washer
35	690579E700MA		Idler, Arm
36	17X103MA		Washer
37	094606 Z		Link, Bell Crank
38	092116 Z		Guide, Belt
39	0025X7MA		Screw
40	165X79MA		Spring, Extension
41	166X42MA		Spring, Torsion
42	094598E700		Bracket, Suspension
43	015X98MA		Nut
44	092100MA		Deflector, Chute
45	028X23MA		Push On Cap
46	166X34MA		Spring, Torsion
47	092159ZMA		Rod, Deflector
48	092140E700		Bracket, Cover
49	165X120MA		Spring, Extension
50	092104E700		Bracket, Hinge
51	015X88MA		Nut, Flange

Mower Housing

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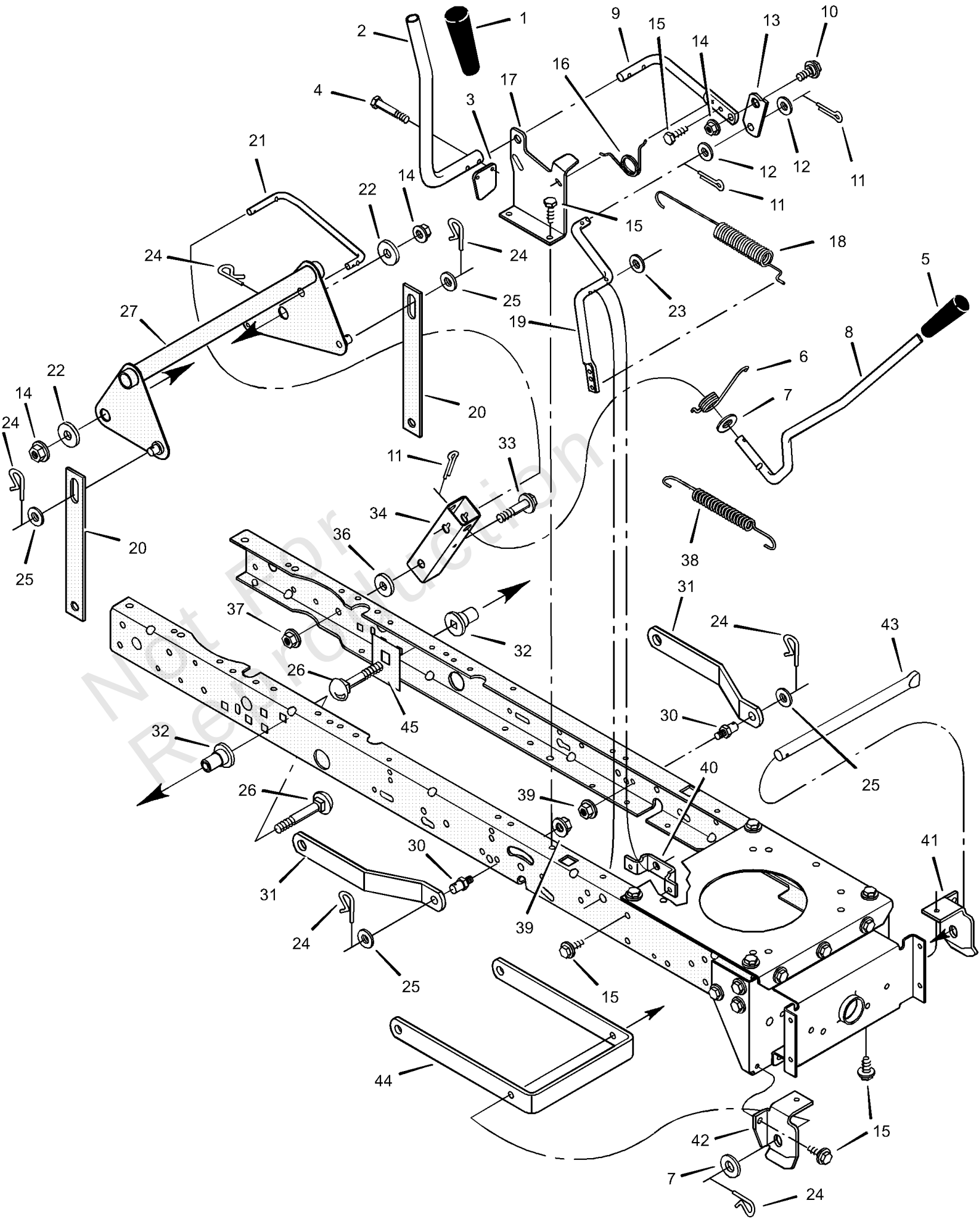
Mower Housing

REF NO	PART NO	QTY	DESCRIPTION
52	094601E700		Bracket, Bell Crank
53	094603E700		Crank, Bell
54	094596E700		Plate, Brake Arm
55	094602E700		Bracket, Brake Plate
56	094919E700		Bracket, Left Gauge Wheel
57	094025MA		BOLT, Gauge Wheel
58	017X91 Z		Washer
59	031X11MA		Ring, Locking
60	092683MA		Wheel, Gauge
61	094918E700		Bracket, Right Gauge Wheel
62	092103E700		Deflector, Inside
63	002X53MA		Bolt, Carriage
64	030X49MA		Pin, Cotter
65	017X57MA		Washer
66	094997E700		Bracket, Front Deck
67	094996MA		Rod, Hanger
68	094604E700		Stiffener
69	094058E700		Bracket, Suspension
70	690411MA		Adapter, Blade
71	091925MA		Spacer
72	092137MA		Roller
73	1001200MA		JACKSHAFT HSNG ASSY
74	056631E701MA		SINGLE BLADE
75	17X166MA		Washer, Belleville
76	15X100MA		Nut
77	17X165MA		Washer
78	690221E700		Bracket, Pulley Cover
79	690369MA		Spacer
80	019X35MA		Washer
81	094996MA		Rod, Hanger
82	26X277MA		Screw
83	017X87		Washer
84	094936E701MA		Housing, Blade -(Includes Ref. No. 17, 18, 30, 31, 32, 33, 45, 46, 53, 54, 55, and 56)
87	091797 Z		Guide, Belt
88	025X15MA		Screw
90	095086MA		Cover, Mulch
91	014X86MA		Wingnut
92	002X64MA		Bolt, Carriage

Mower Housing Suspension

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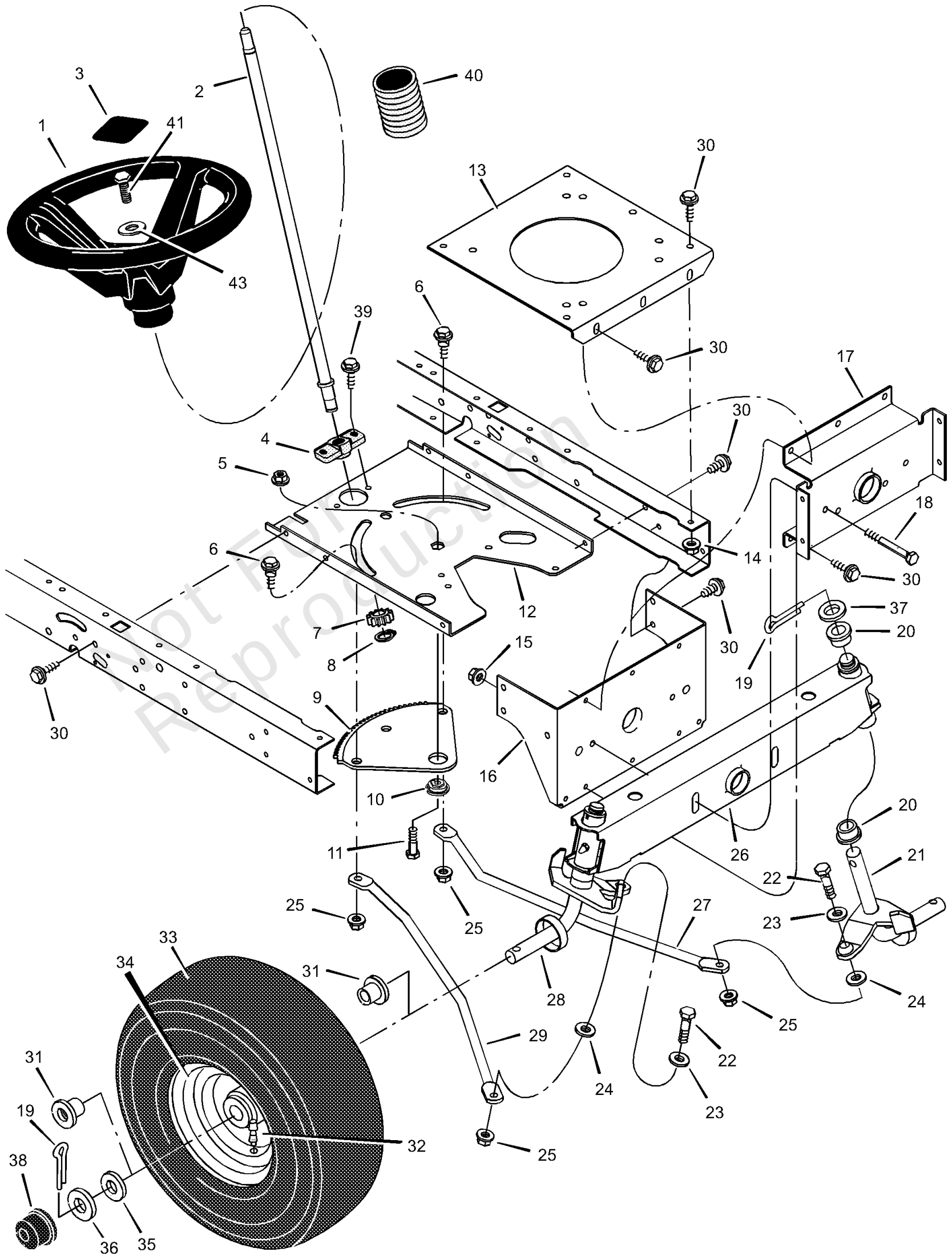
Mower Housing Suspension

REF NO	PART NO	QTY	DESCRIPTION
1	092698MA		Grip
2	094217 Z		Handle, PTO
3	094022 Z		Pad, Switch
4	0025X3MA		Screw, Hex
5	092697MA		Grip
6	166X40MA		Spring
7	17X103MA		Washer
8	690533MA		Lever, Lift
9	094017 Z		Lever, PTO
10	009X39MA		Bolt, Shoulder
11	030X20MA		Pin, Cotter
12	17X102MA		Washer
13	094004 Z		Link, PTO
14	015X84MA		Nut, Flange
15	26X249MA		Screw
16	166X39MA		Spring
17	094018E700		Bracket, PTO
18	165X120MA		Spring
19	690394E700		Crank, PTO
20	690212E700		Link, Lift
21	690122E700		Link, Lift Handle
22	17X168ZMA		Washer
23	017X57MA		Washer
24	0031X4MA		Pin, Hair
25	017X91 Z		Washer
26	002X85MA		Bolt, Carriage
27	1001111E701MA		Lever Assembly, Lift
30	094067MA		Pin
31	094055E700		Bracket, Rear Suspension
32	690151MA		Spacer, Lifter
33	009X53MA		Bolt, Shoulder
34	094015E700		Bracket, Pivot
36	17X191MA		Washer
37	015X84MA		Nut, Flange
38	165X133MA		Spring
39	015X68MA		Nut, Flange
40	094005E700		Bracket, PTO
41	094027E700		Hanger, Left Deck
42	094026E700		Hanger, Right Deck
43	094158ZMA		Rod, Hanger
44	690539E700		Bracket, Suspension
45	1001098E700		Plate, Stiffening

Steering

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Steering

REF NO	PART NO	QTY	DESCRIPTION
1	095185MA		Wheel, Steering
2	690626		Post, Steering
3	711326MA		Insert, Steering Wheel
4	094124MA		Bearing
5	15X111MA		Nut, Flange
6	009X57MA		Bolt, Shoulder
7	690183MA		GEAR - PINION
8	011X25MA		Ring, Snap
9	094121E700		Gear, Sector
10	094123MA		Bearing
11	001X84MA		CAPSCREW, Hex Head, 5/16-18 x 1
12	1001121E700		Plate, Steering
13	094006E700		Plate, Engine
14	015X88MA		Nut, Flange
15	15X118MA		Nut, Flange
16	1001270E701MA		Bracket, Hanger
17	094007E700		Axle, Hanger
18	01X146MA		Bolt
19	030X49MA		Pin, Cotter
20	690150MA		Bearing
21	094576E700		Spindle Assembly, Left
22	01X111MA		Bolt
23	17X104MA		Washer
24	017X53 Z		Washer
25	015X84MA		Nut, Flange
26	690211E700		Axle Assembly
27	095329E700		Drag Link, Left
28	094575E700		Spindle Assembly, Right
29	095328E700		Drag Link, Right
30	26X249MA		Screw
31	091334		Bearing, Wheel
32	024373MA		VALVE STM&CP,TR41 SE
33	024380		Tire *
--	407924		Tube
34	094581601MA		Wheel and Tire Assembly
35	17X195MA		Washer
36	17X192MA		Washer
37	17X113MA		WASHER.76-1.2 13G FL
38	094618MA		HUB CAP
39	26X267MA		Screw
40	092059MA		Bellows
41	0025X3MA		Screw, Hex
43	17X146MA		Washer

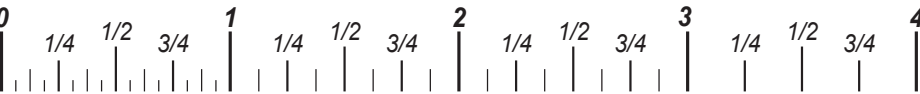
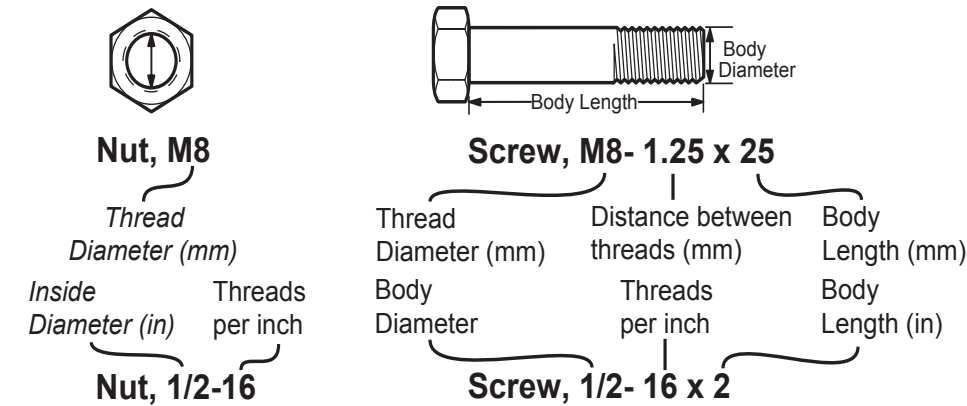
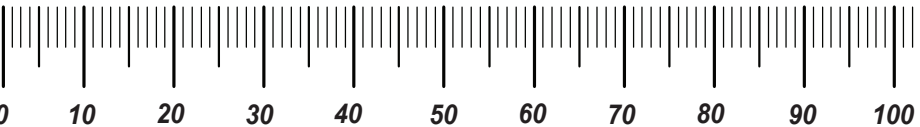
Footnotes:

Note* When you order a tire, make sure to give the brand name of the tire so that the tread pattern on the tire will match.

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).

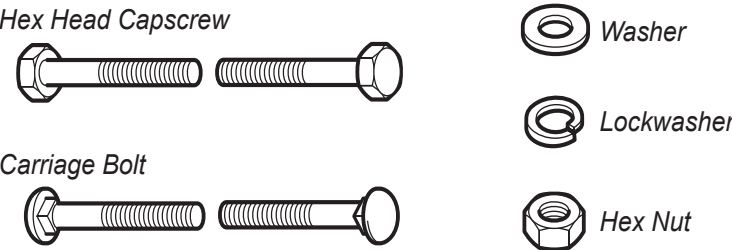
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

