



Parts Manual

Mfg. No: 465622x99A
Lawn Tractor (2002)

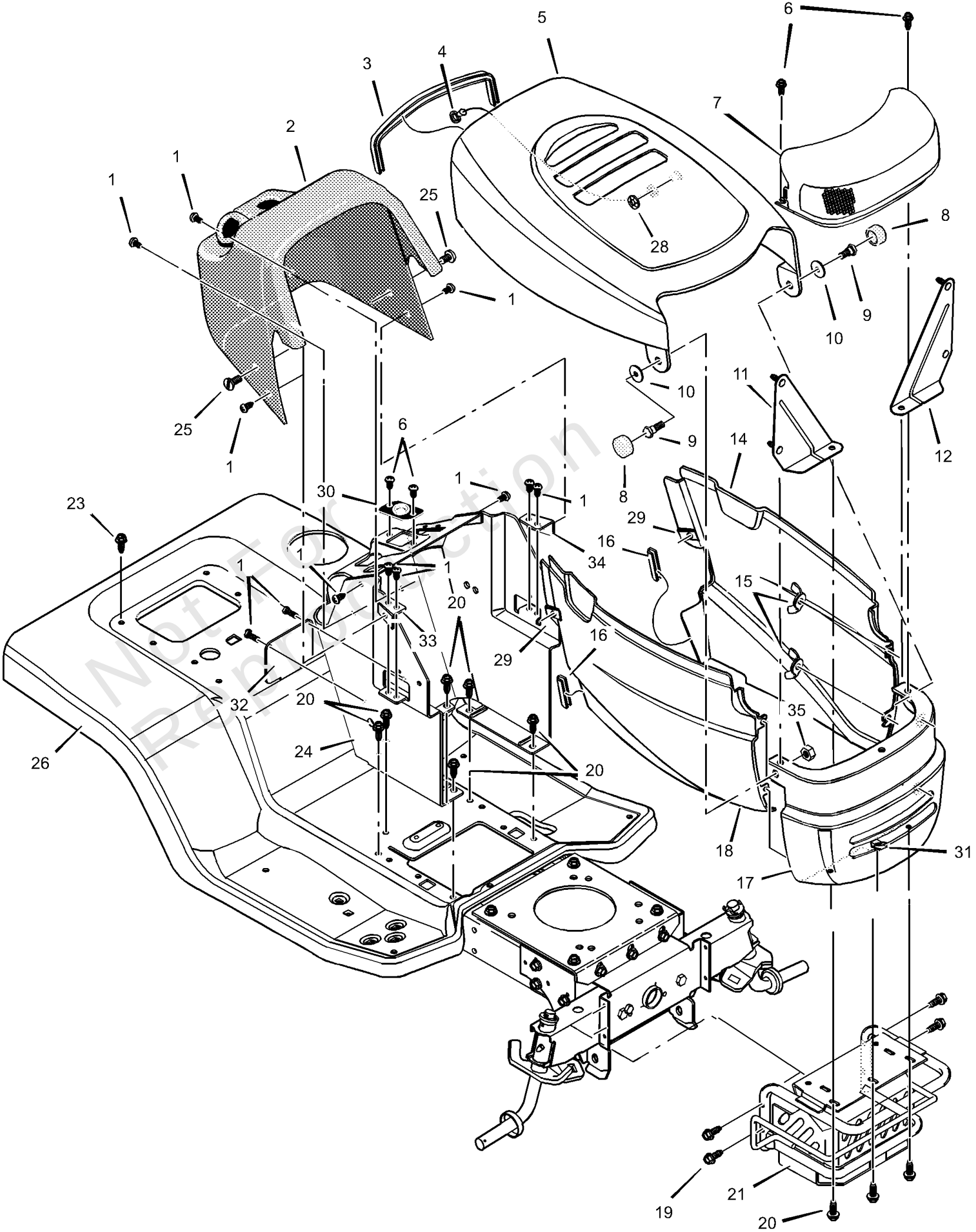
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Not For
Reproduction

Chassis Front

Note: Unless noted otherwise, use the standard torque specifications

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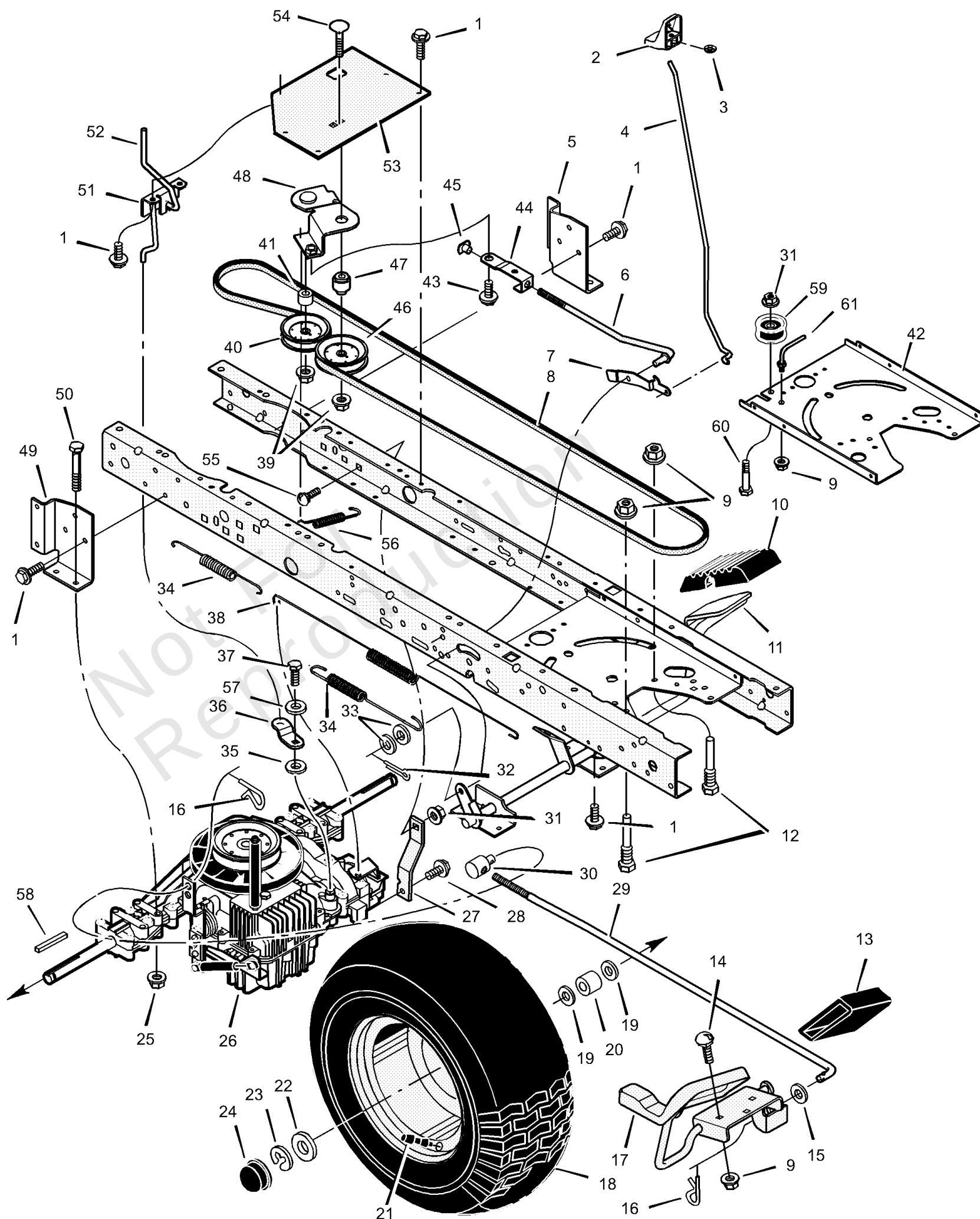
Chassis Front

REF NO	PART NO	QTY	DESCRIPTION
1	26X270		Screw
2	1001114		Dash
3	1001221MA		TRIM,BLACK W/ADHESIVE
4	643129		Cable
5	690052E735		Hood Assembly
6	26X238MA		Screw
7	95234		Lens & Reflector Assembly
8	690113MA		Cap, Pivot
9	009X49MA		Bolt, Shoulder
10	690114		Base, Pivot
11	1001169E731		Brace, Right Grille Assembly
12	1001171E731		Brace, Left Grille Assembly
14	094457E735		Panel, Left Side
15	014X79MA		Wingnut
16	1001221MA		TRIM,BLACK W/ADHESIVE
17	094455E735		Grille
18	094458E735		Panel, Right Side
19	26X267MA		Screw
20	26X249MA		Screw
21	094529E731		Mount, Grille/Bumper
23	26X263MA		SCREW.25-20 S-T
24	095173E735		Console
25	26X239MA		Screw
26	094629E735		Deck Seat
28	-----		UNKNOWN
29	028X33MA		Cap, Push
30	1001491MA		Bearing, Steering
31	028X57		U-Nut
32	093007E735		Panel, Access
33	094464E735		Bracket, Right Console
34	094465E735		Bracket, Left Console
35	015X84MA		Nut
--	F-020723L		Book, Instruction

Drive Assembly

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Drive Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	26X249MA		Screw
2	095315MA		Knob, Parking Brake
3	028X49MA		Nut, Push
4	1001217 Z		Rod, Parking Brake
5	094185E700		Bracket, Left Transaxle
6	1001013 Z		Rod, Clutch
7	094045 Z		Latch, Parking Brake
8	37X106MA		V-Belt, Drive
9	015X79MA		Nut, Flange
10	095220MA		Pad, Brake/Clutch
11	1001190		Rod Assembly, Clutch/Brake
12	094384MA		Screw, Guide
13	094798		Pad, Pedal
14	002X53MA		Bolt, Carriage
15	017X57MA		Washer
16	0031X4MA		Pin, Hair
17	1001231E700		Pedal Assembly, Hydro
18	095196601		Wheel & Tire Assembly
--	342117		Tire ONLY
--	407050		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	1001121E701MA		Plate, Steering Mount
43	009X49MA		Bolt, Shoulder
44	1001007 Z		Link, Clutch
45	1001014MA		Nut, Tee
46	690410MA		Pulley, Idler

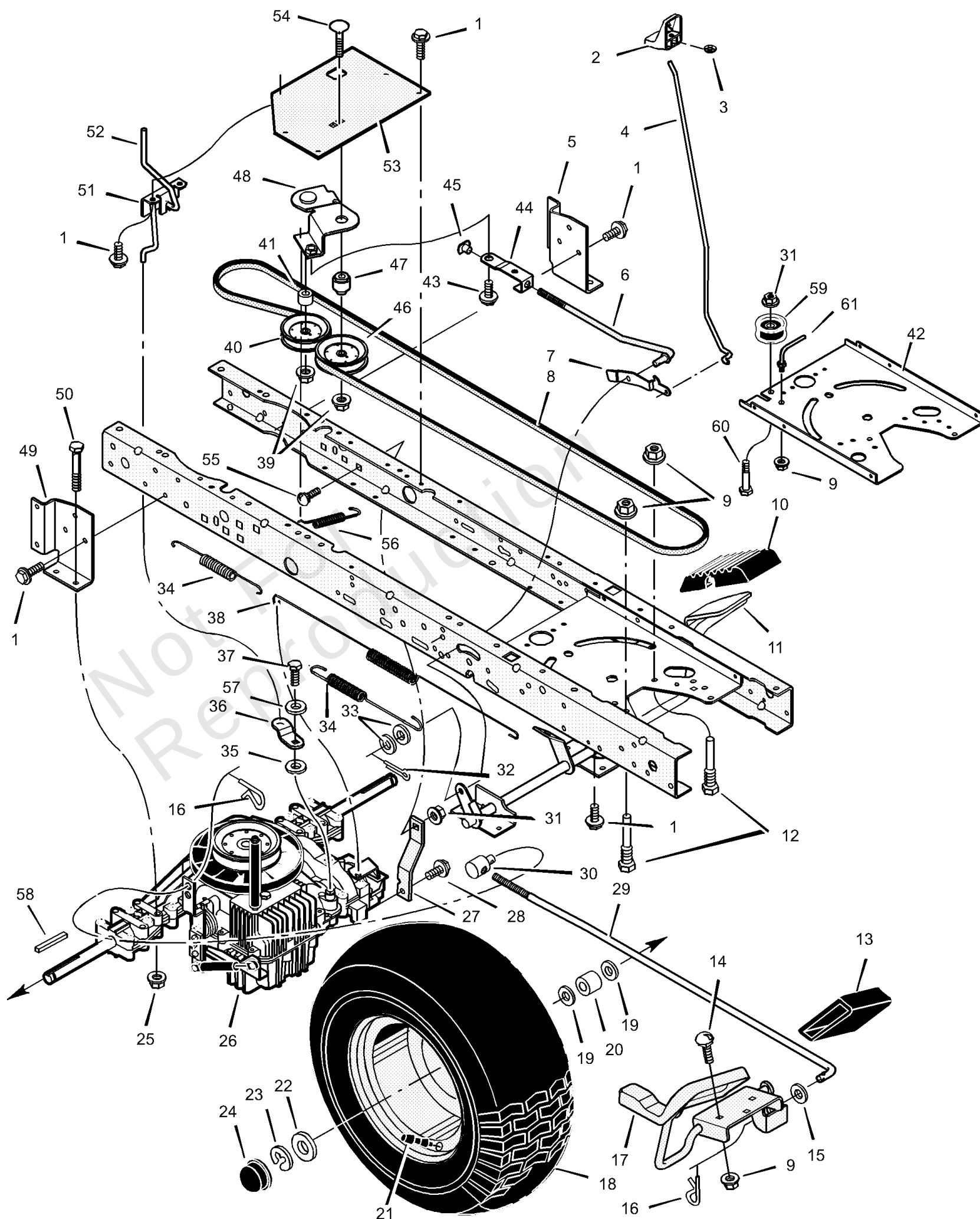
Footnotes:

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

Drive Assembly

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Drive Assembly

REF NO	PART NO	QTY	DESCRIPTION
47	1001012MA		Bushing, Pivot
48	1001018 Z		Arm Assembly, Idler
49	094184E701MA		Bracket, Right Transaxle
50	01X155MA		Bolt, Hex
51	1001214 Z		Bracket, Disconnect
52	1001215ZMA		Rod, Disconnect
53	1001108		Bracket, Idler Pivot
54	002X92		Bolt, Carriage
55	002X78		Bolt, Carriage
56	165X155MA		Spring, Clutch
57	017X38MA		Washer
58	021553MA		Key, Square
59	1001187MA		Pulley, Idler
60	01X111MA		Bolt
61	1001122		Screw, Belt Guide

Not For
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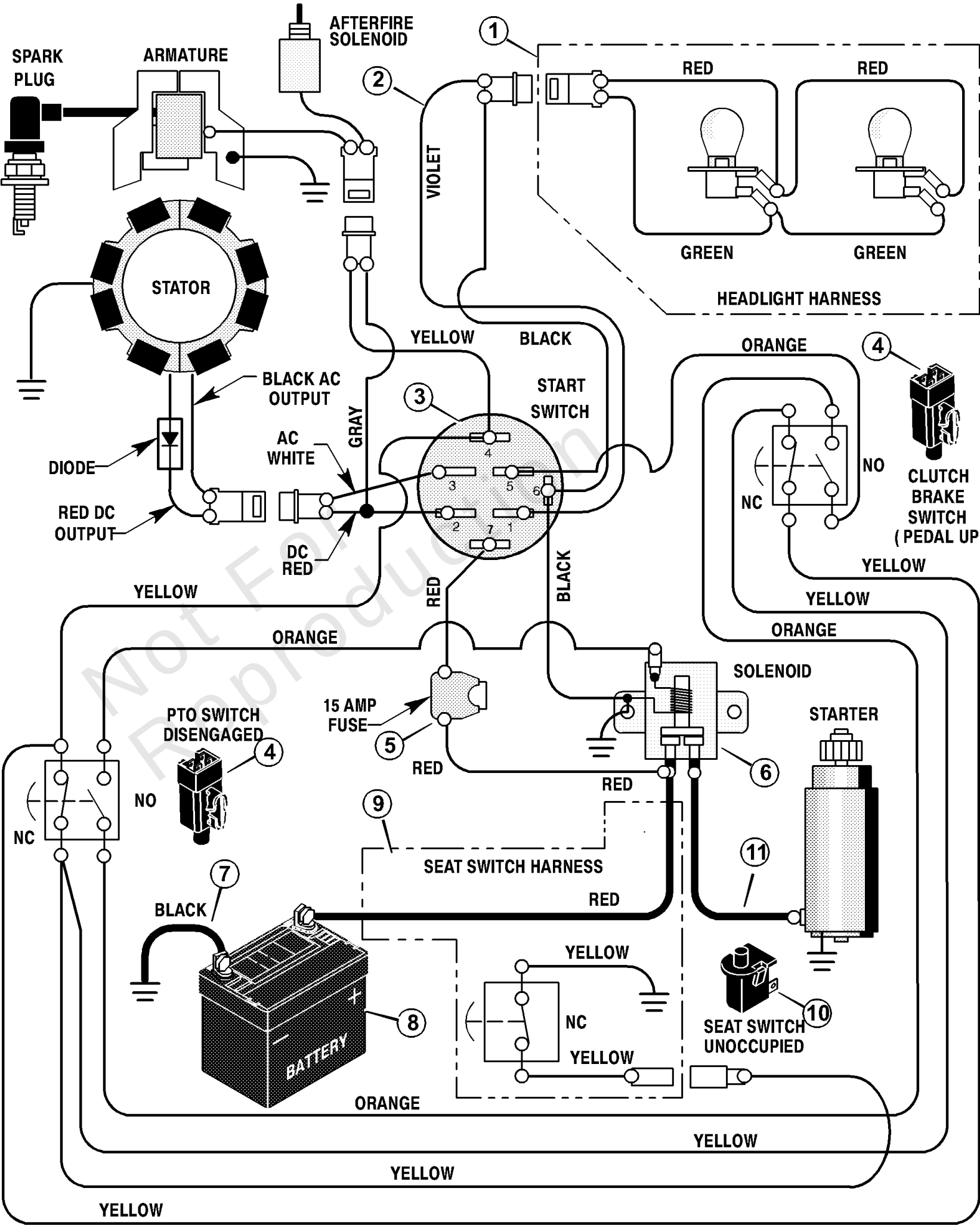
Footnotes:

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

Electrical System

Note: Unless noted otherwise, use the standard torque specifications

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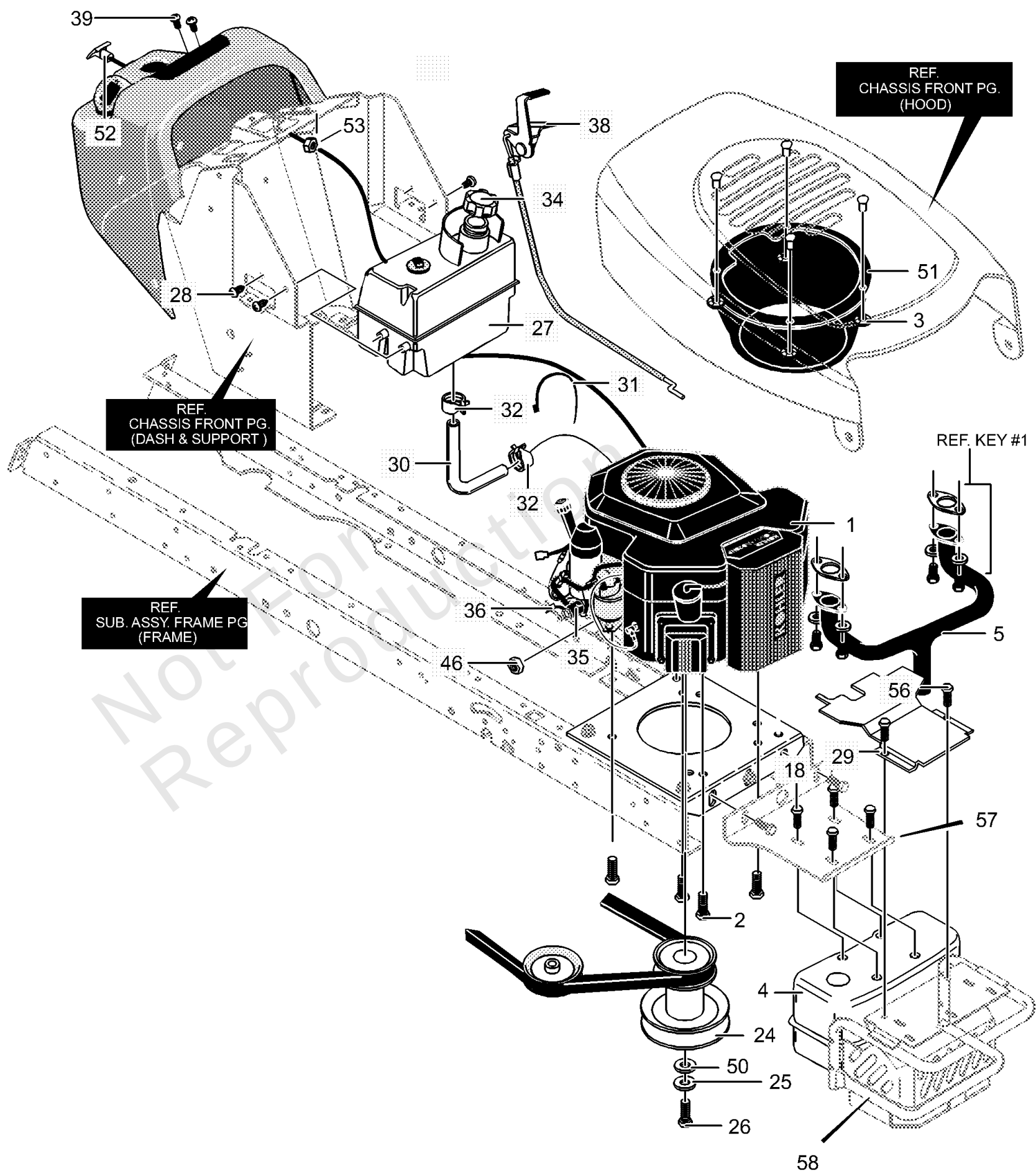
Electrical System

REF NO	PART NO	QTY	DESCRIPTION
1	250X106		Harness, Light Wire
--	092372		Socket, Light
--	090084MA		Bulb, Light
2	250X105		Harness, Chassis Wire
3	092556MA		Switch, Ignition
--	020729		Key, Ignition
--	091489MA		Nut, Hex
--	091488		Cap, Ignition
4	094136MA		Switch, Limit
5	302031MA		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, Battery Cable
9	250X104		Harness, Seat Switch Wire
10	094159MA		Switch, Seat Sensor
11	024X31MA		Cable

Engine And Control Assembly

Note: Unless noted otherwise, use the standard torque specifications

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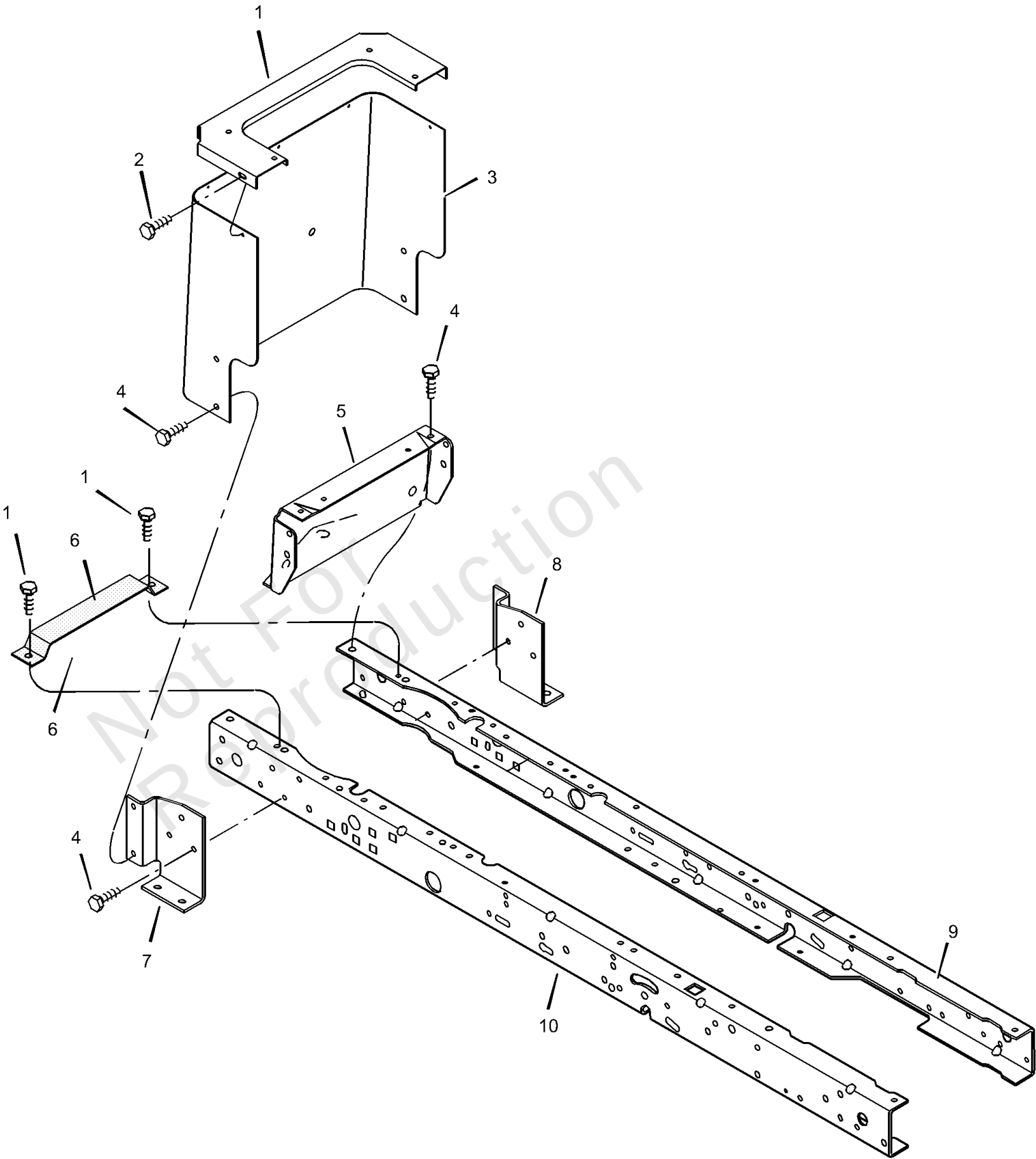
Engine And Control Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	-----		ENGINE
2	0025X7MA		BOLT
3	028X49MA		PUSHNUT
4	094655MA		MUFFLER, TWIN-CYLINDER
5	94662		EXHAUST MANIFOLD
18	26X229MA		SCREW
24	690507MA		PULLEY, STACK
25	019X35MA		WASHER
26	01X140MA		BOLT
27	094086		FUEL TANK
28	26X253MA		SCREW
29	095440E701		SHIELD, HEAT
30	7601033MA		Fuel Line (Must cut to length)
31	032618MA		TIE, CABLE
32	095197MA		CLAMP, FUEL LINE
34	092317MA		FUEL CAP
35	325547MA		OIL DRAIN VALVE ASSEMBLY
36	327422		CAP, OIL DRAIN VALVE
38	1001225		THROTTLE CONTROL
39	26X270		SCREW
46	15X116MA		NUT, 1/4-20
50	17X170MA		WASHER.46.97.25 FLAT
51	095325		PLENIUM
52	690401		CHOKE CONTROL
53	015X68MA		NUT
56	26X263MA		SCREW.25-20 S-T
57	094307E701		BRACKET, MUFFLER
58	094529E735		MOUNT, GRILLE/BUMPER

Frame Assembly

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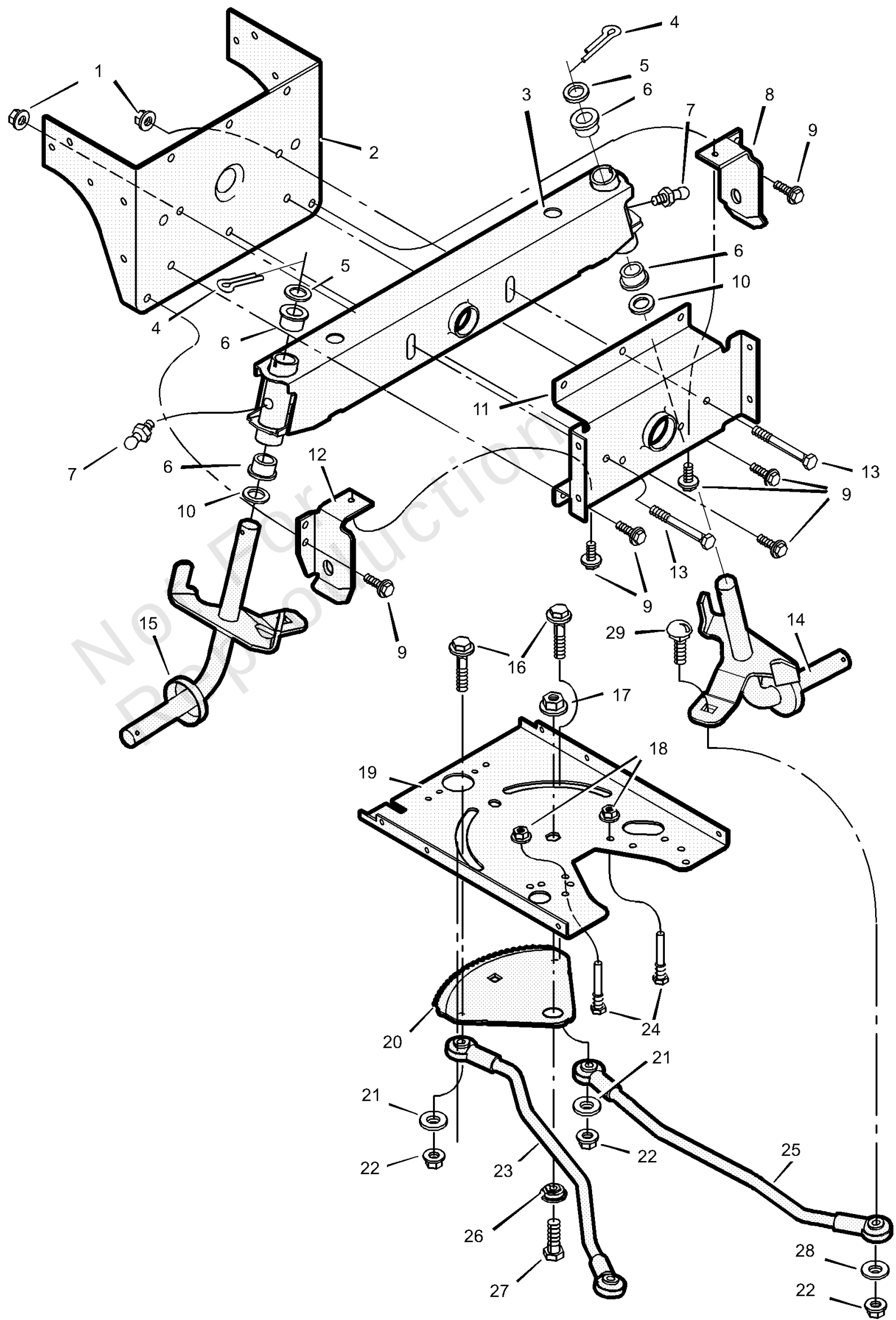
Frame Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	094186E700		Plate, Top Rear
2	26X270		Screw
3	690218E700		Plate, Rear
4	26X249MA		Screw
5	1001002E701		Plate, Hitch
6	690482E701		Bracket, Battery Support
7	094184E701MA		Bracket, Right Transaxle
8	094185E701MA		Bracket, Left Transaxle
9	1001269E700		Frame, Left
10	1001268E701		Frame, Right

Front Axle

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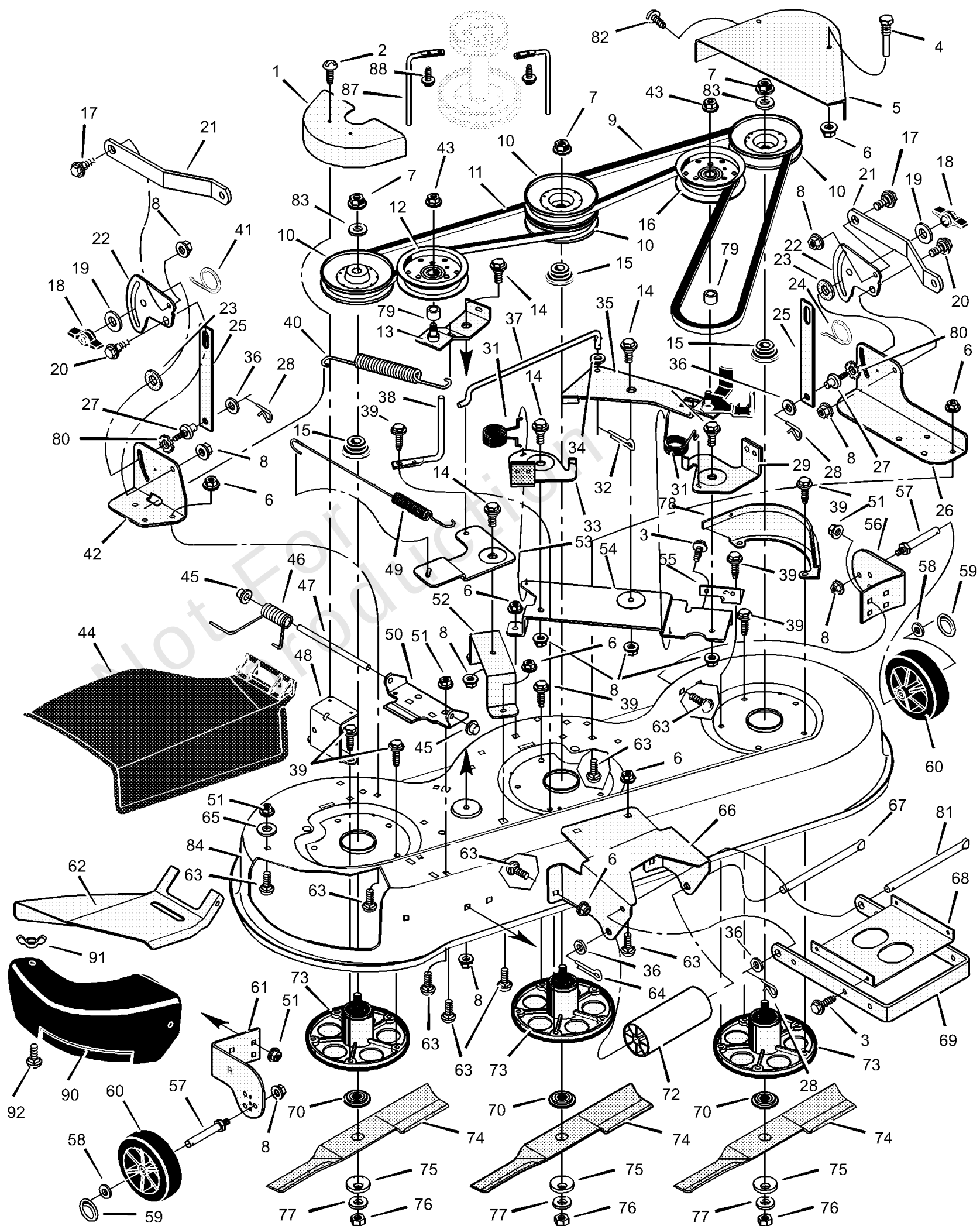
Front Axle

REF NO	PART NO	QTY	DESCRIPTION
1	15X118MA		Locknut, Flange
2	1001270E701MA		Bracket, Rear Hanger
3	1001452E717		Assembly, Axle
4	030X49MA		Pin, Cotter
5	17X195MA		Washer
6	690150MA		Bearing, Spindle
7	092530MA		Fitting, Grease
8	094027E701MA		Hanger, Left Deck
9	26X249MA		Screw
10	17X113MA		WASHER.76-1.2 13G FL
11	094007E701MA		Hanger, Axle
12	094026E701MA		Hanger, Right Deck
13	01X146MA		Bolt, Hex
14	1001173E701MA		LEFT FRONT SPINDLE
15	1001175E701MA		Assembly, Right Spindle
16	009X62MA		Bolt, Shoulder
17	15X111MA		Locknut, Flange
18	015X79MA		Locknut, Flange
19	1001121E701MA		Plate, Steering Mount
20	1001176		Gear, Sector
21	17X168ZMA		Washer
22	015X84MA		Nut, Flange Centerlock
23	1001178E701MA		Link, Drag -Right
24	094384MA		Guide, Belt
25	1001177E701MA		Link, Drag -Left
26	094123MA		Bearing, Sector Gear
27	001X84MA		CAPSCREW, Hex Head, 5/16-18 x 1
28	17X104MA		Washer
29	002X96MA		Bolt, Carriage

Mower Housing

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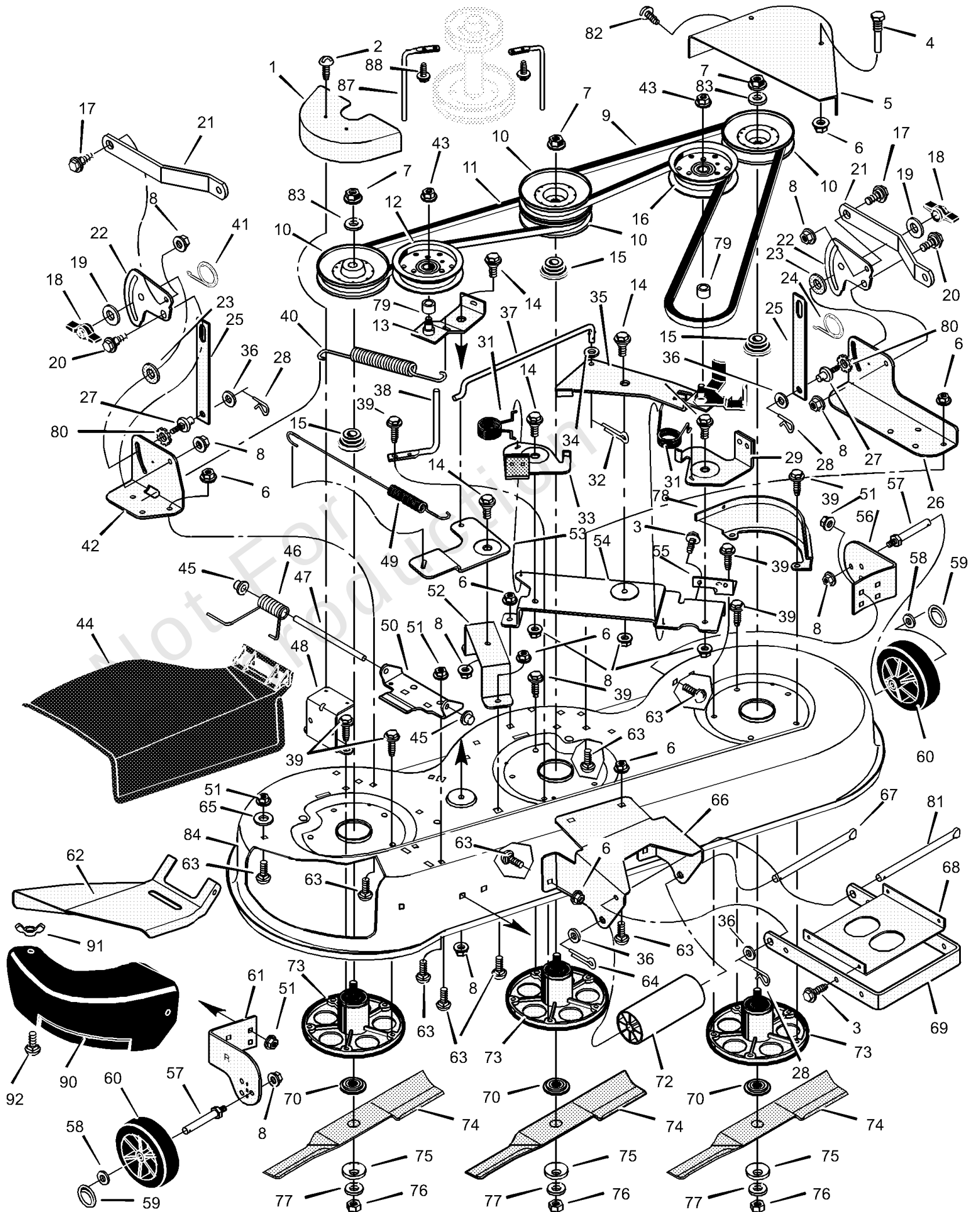
Mower Housing

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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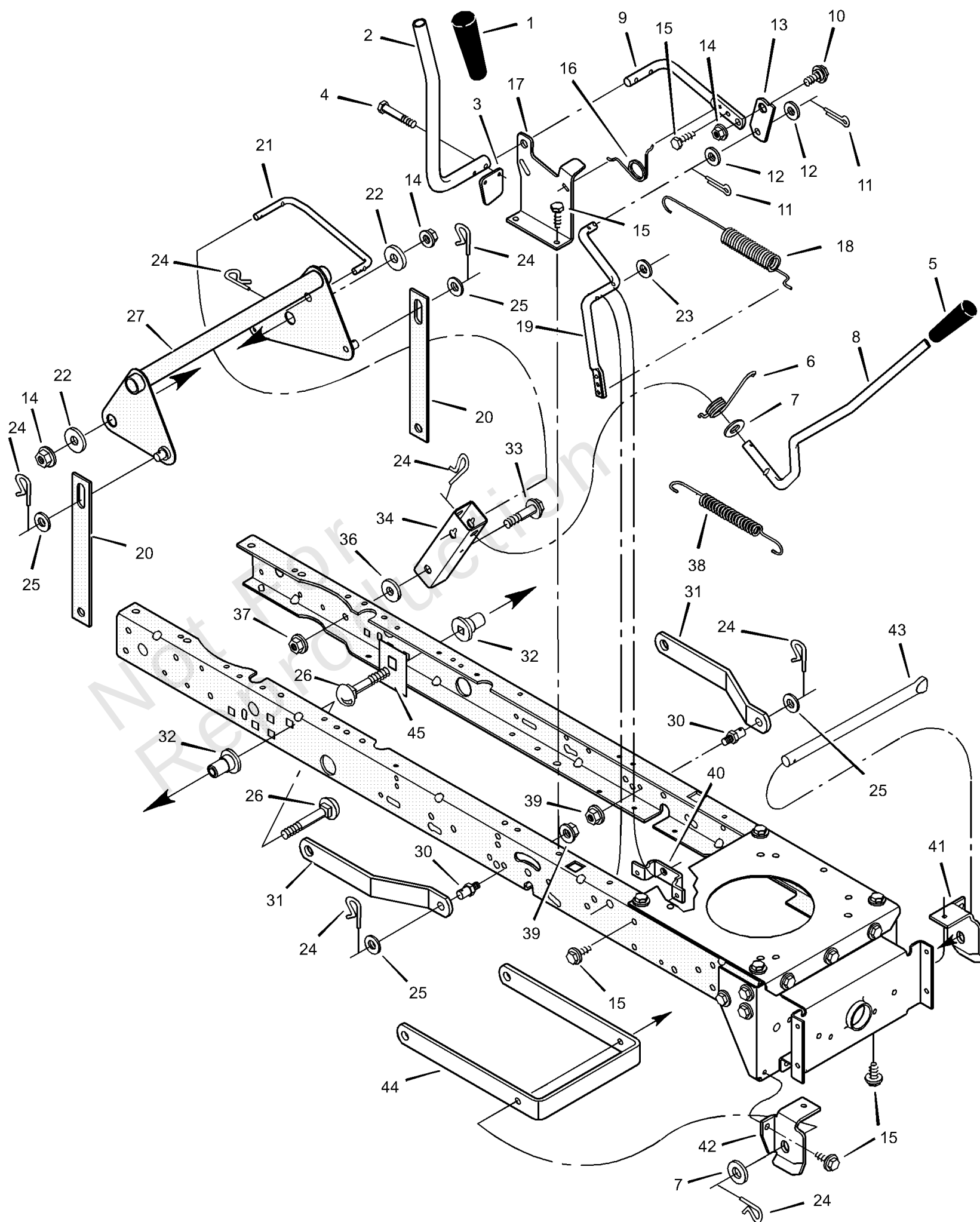
Mower Housing

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
72	1001252MA		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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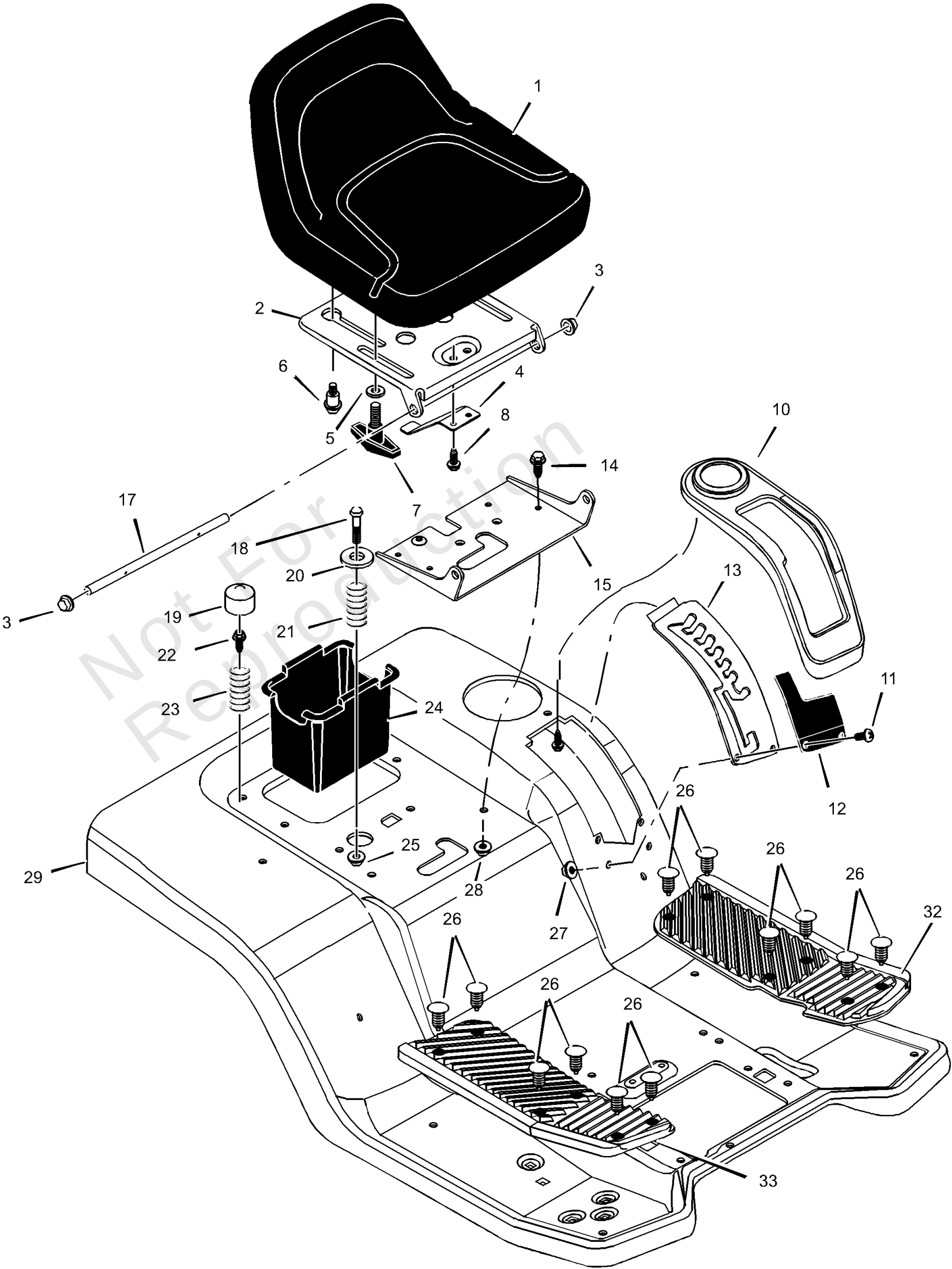
Mower Housing Suspension

REF NO	PART NO	QTY	DESCRIPTION
1	94496MA		Grip, PTO
2	094826 Z		Handle, PTO
3	094022 Z		Pad, Switch
4	0025X3MA		Screw, Hex
5	094497		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	017X57MA		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	1001111E700MA		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 Crank
41	094027E700		Hanger, Left Deck
42	094026E700		Hanger, Right Deck
43	094158ZMA		Rod, Hanger
44	690539E700		Bracket, Suspension
45	1001098E700		Plate, Stiffening

Rear Body

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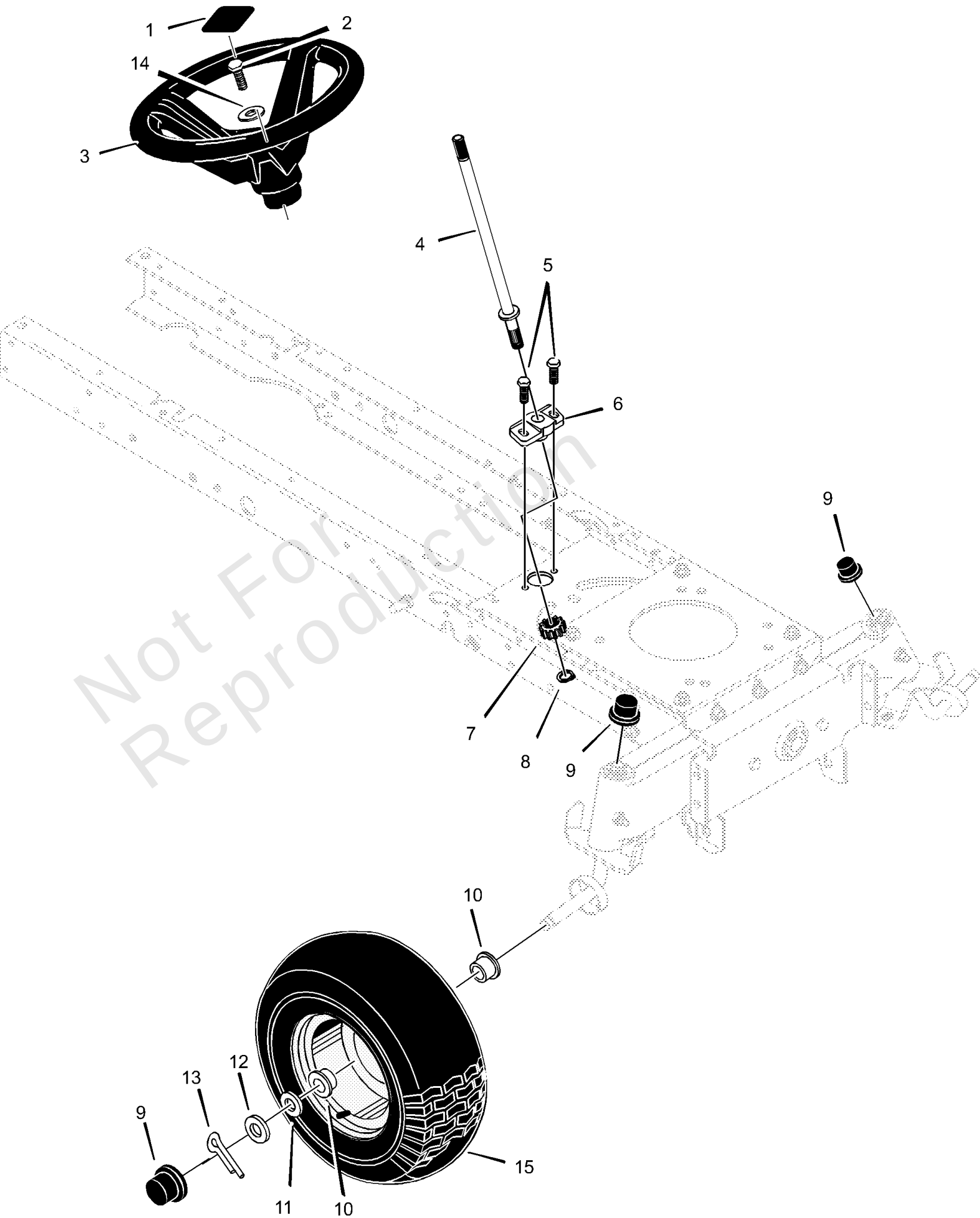
Rear Body

REF NO	PART NO	QTY	DESCRIPTION
1	095415MA		Seat
2	094154E700		Support, Seat
3	028X23MA		Cap, Push
4	094057MA		Spring, Leaf
5	017X47MA		Washer
6	009X56MA		Bolt, Shoulder
7	1001054MA		Bolt, Wing
8	26X229MA		Screw
10	094469		Cover
11	009X47MA		Bolt, Shoulder
12	094483		Cover, Detent Lockout
13	094194		Plate, Lift Detent
14	001X45MA		Bolt, Hex
15	094153E700MA		Bracket, Pivot
17	094156ZMA		Rod, Pivot
18	009X55MA		Bolt, Shoulder
19	020107MA		Cap
20	094155 Z		Washer, Cup
21	164X31		Spring, Compression
22	26X249MA		Screw
23	164X30MA		Spring, Compression
24	690424MA		Container, Battery
25	015X89MA		NUT .25-20 FLANGELOCK
26	0193X1MA		Fastener, Panel
27	015X81MA		NUT#10-24 MCLEANLOCK
28	15X123MA		Nut, Nylock
29	094629E735		Deck, Seat
32	095408		Mat, Left
33	095409		Mat, Right

Steering Assembly

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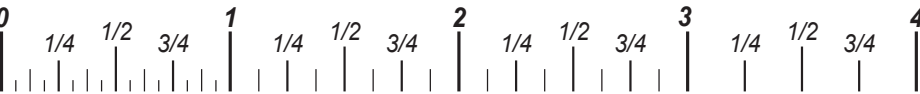
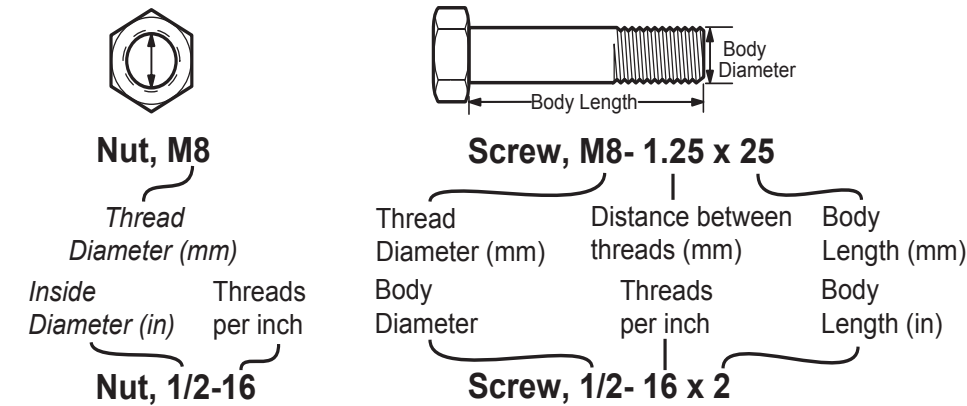
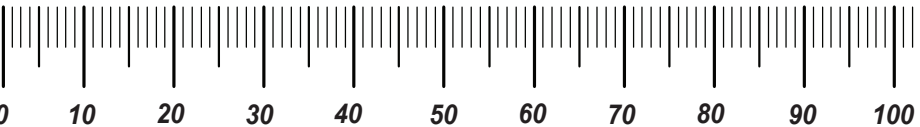
Steering Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	711326MA		Insert
2	0025X3MA		Screw, Hex
3	095185MA		Wheel, Steering
4	690625		Shaft, Steering
5	26X267MA		Screw
6	094124MA		Bearing
7	690183MA		GEAR - PINION
8	011X25MA		Ring, Snap
9	094618MA		HUB CAP
10	091334		Bearing, Wheel
11	17X195MA		Washer
12	17X192MA		Washer
13	030X49MA		Pin, Cotter
14	17X146MA		Washer
15	094509601		Wheel & Tire, Front
--	343666		Tire Only
--	407924		Tube
--	024373MA		VALVE STM&CP,TR41 SE

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).

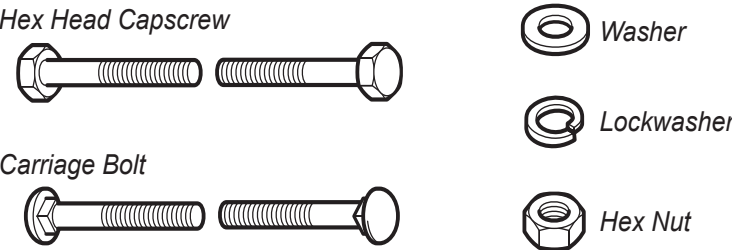
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

