



Parts Manual

Mfg. No: 46500x92A
Lawn Tractor (1999)

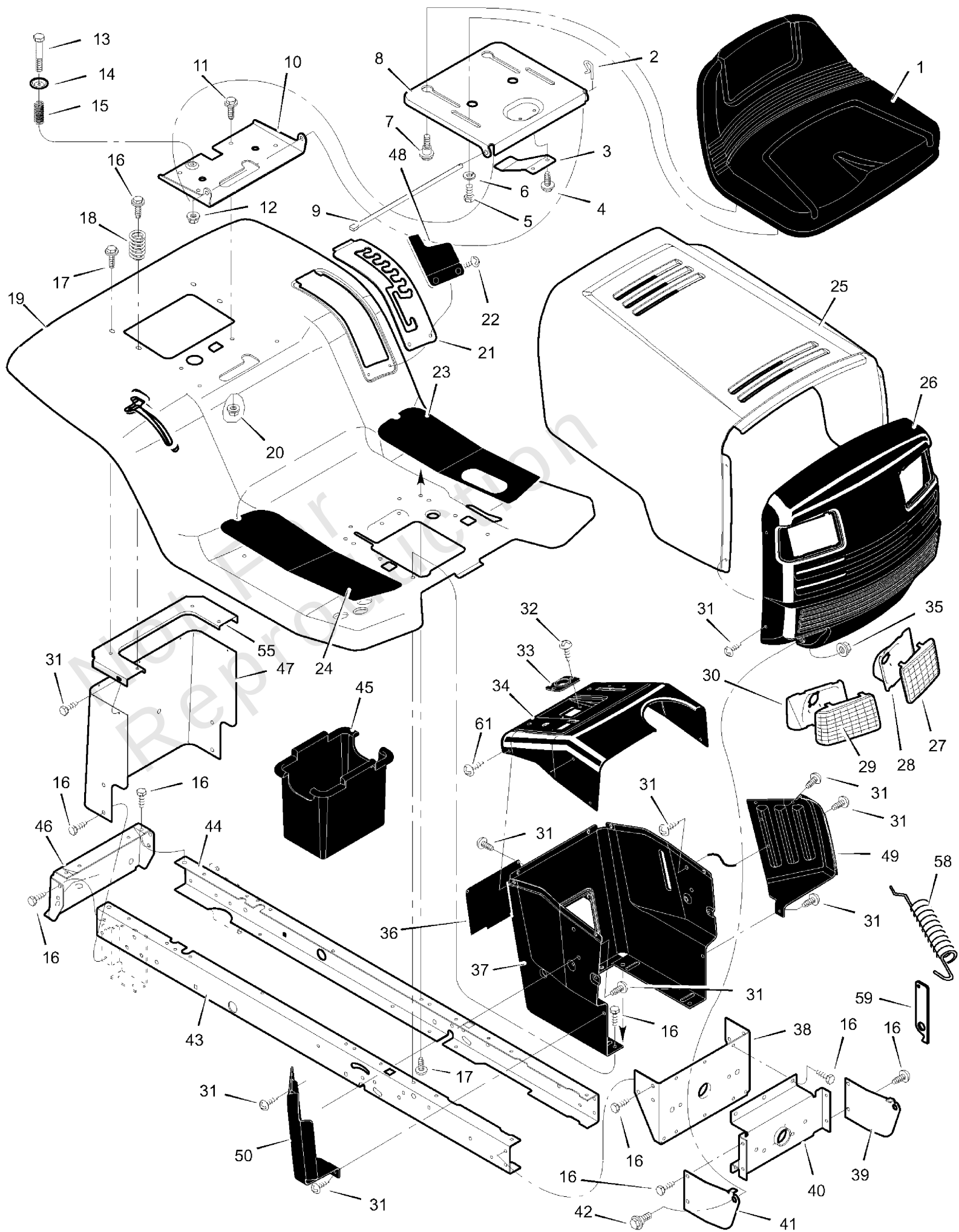
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Not For
Reproduction

Chassis & Hood

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 46500x92A



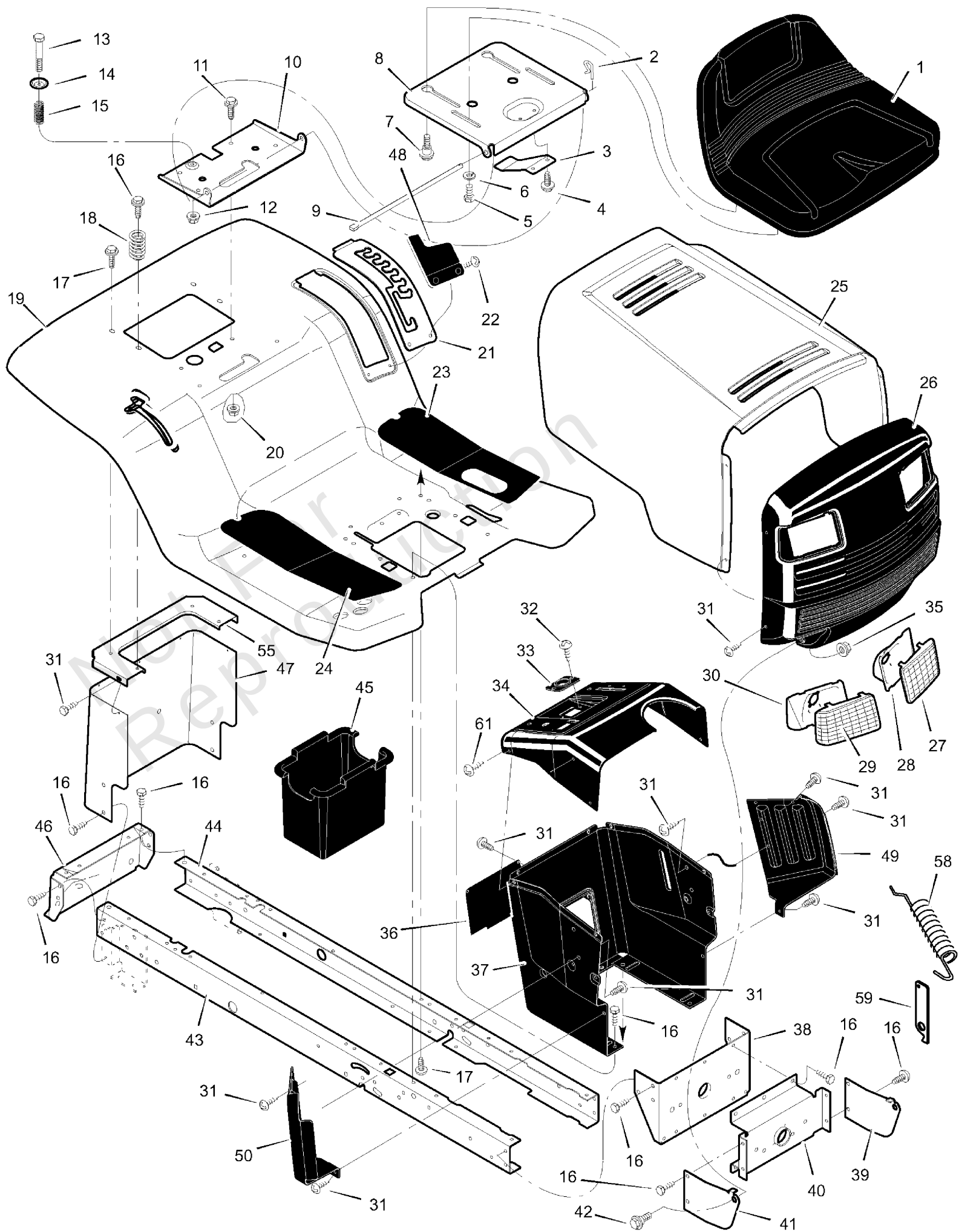
Chassis & Hood

REF NO	PART NO	QTY	DESCRIPTION
1	094163		Seat
2	028X23MA		Cap, Push On
3	094057MA		Spring
4	26X229MA		Screw
5	094160		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	095326E276		Deck, Seat
20	015X88MA		Nut
21	094194E701MA		Plate, Index
22	009X47MA		Screw
23	094383MA		Mat, Left
24	094382MA		Mat, Right
25	094090E276		Hood
26	094087E701MA		Grille
27	094093MA		Lens, Left
28	094089 Z		Bezel, Left
29	094092MA		Lens, Right
30	094088 Z		Bezel, Right
31	26X270		Screw
32	26X238MA		Screw
33	094075		Bearing, Steering
34	094589E700		Dash
35	015X84MA		Nut
36	093007E701MA		Panel, Access
37	095318E701MA		Support, Dash
38	094013E701MA		Bracket, Rear Hanger
39	094085E701MA		Support, Left Grille
40	094007E701MA		Axle, Hanger
41	094084E701MA		Support, Right Grille
42	009X58MA		Bolt, Shoulder
43	690206E700		Frame, Right
44	690207E700		Frame, Left
45	094069		Container, Battery
46	1001002E701		Plate, Hitch
47	690218E700		Panel, Rear
48	094680MA		Cover, Level Adjustment
49	95218E700		Panel, Left Side
50	95217E700		Panel, Right Side
55	094186E700		Plate, Rear

Chassis & Hood

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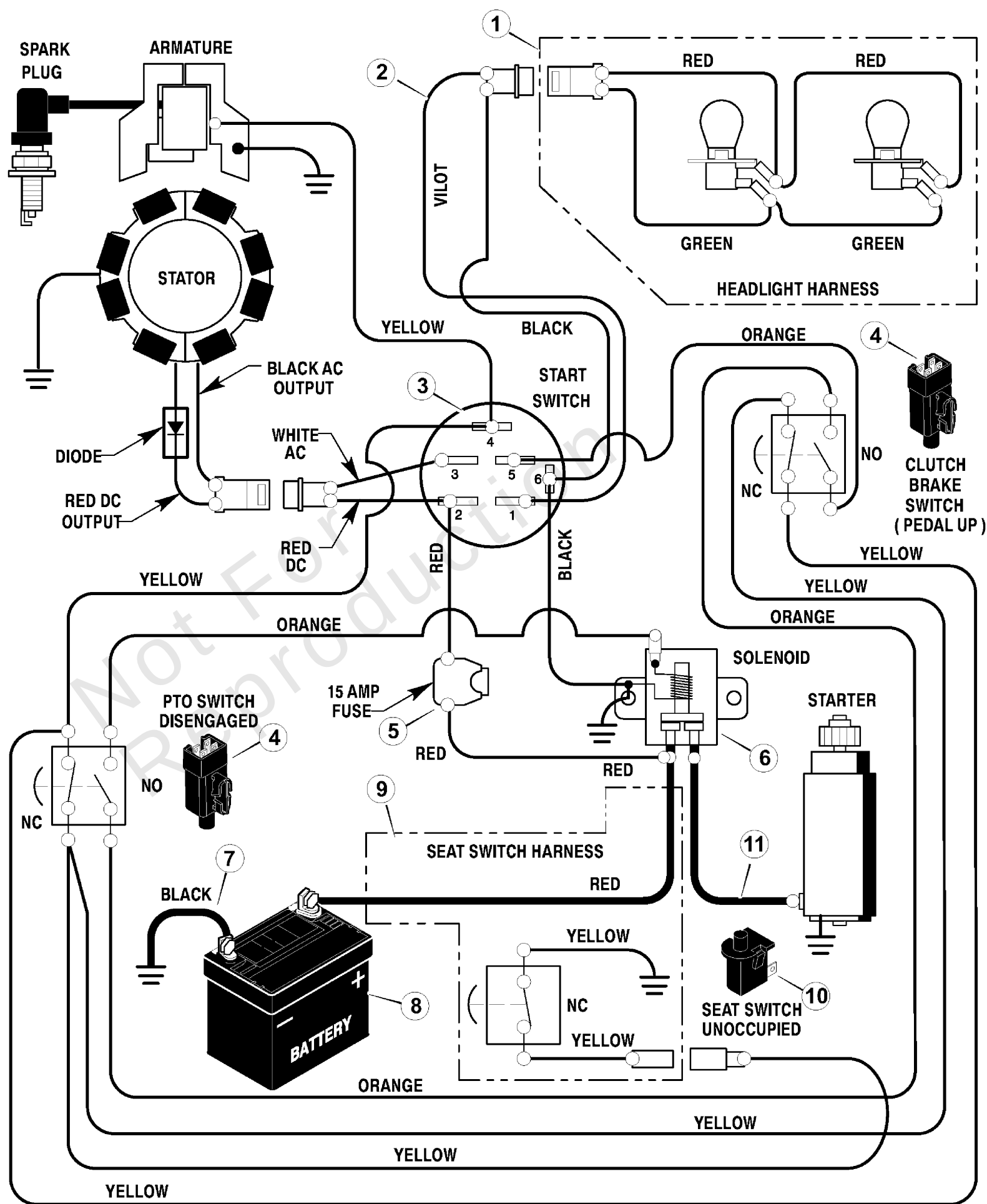
Chassis & Hood

REF NO	PART NO	QTY	DESCRIPTION
58	165X124MA		Extension, Spring
59	094830 Z		Bracket
61	26X201MA		Screw
--	44X7638		Decal, Right Hood
--	44X7639		Decal, Left Hood
--	44X7325MA		Decal, Warning
--	F-99727		Book, Instruction

Electrical System

Note: Unless noted otherwise, use the standard torque specifications

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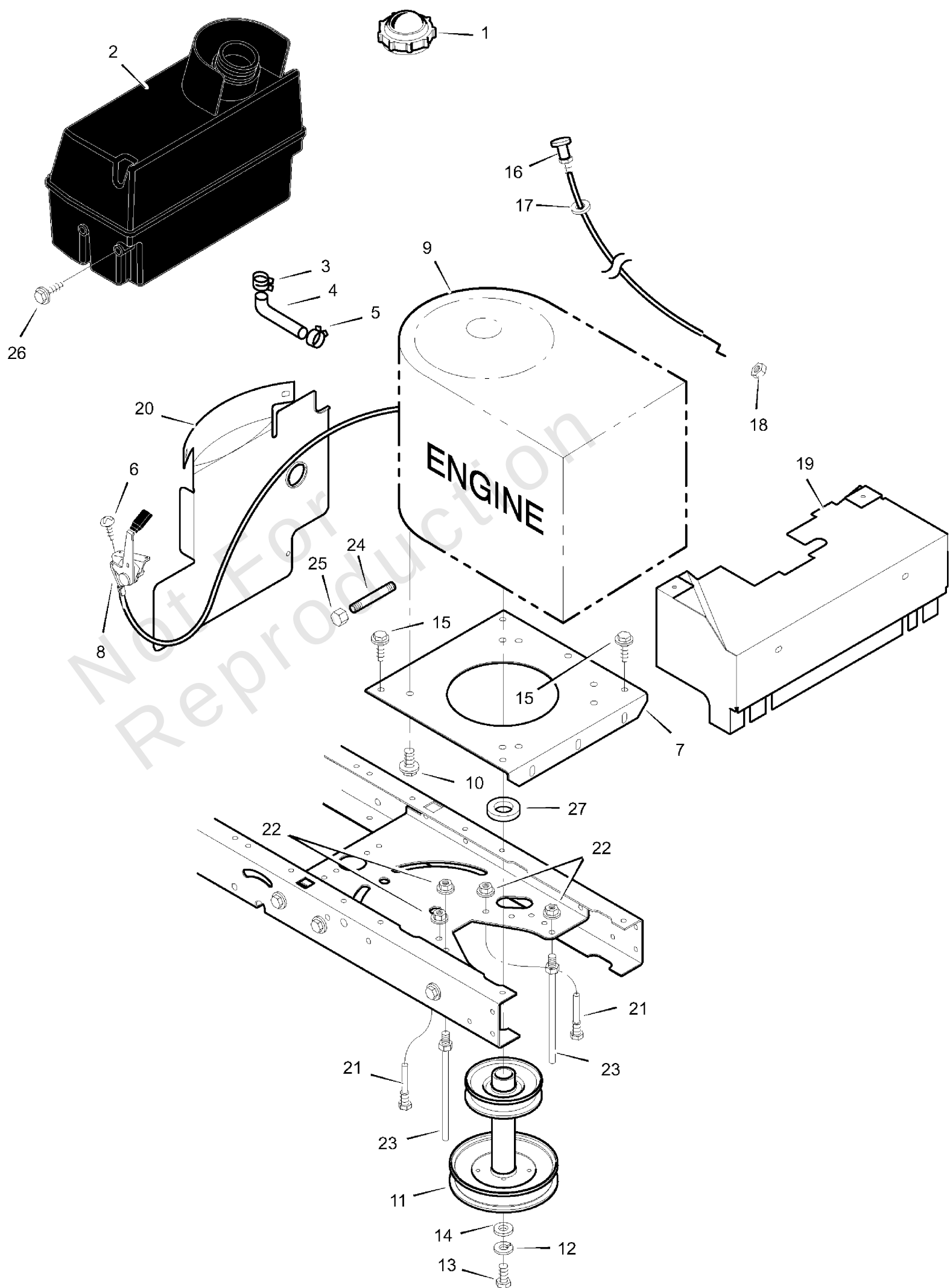
Electrical System

REF NO	PART NO	QTY	DESCRIPTION
1	250X92MA		Harness, Light Wire
--	092372		Socket, Light
--	090084MA		Bulb, Light
2	250X70		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
9	250X67MA		Harness, Seat Switch Wire
10	094159MA		Switch, Seat Sensor
11	024X31MA		Cable

Engine Mount

Note: Unless noted otherwise, use the standard torque specifications

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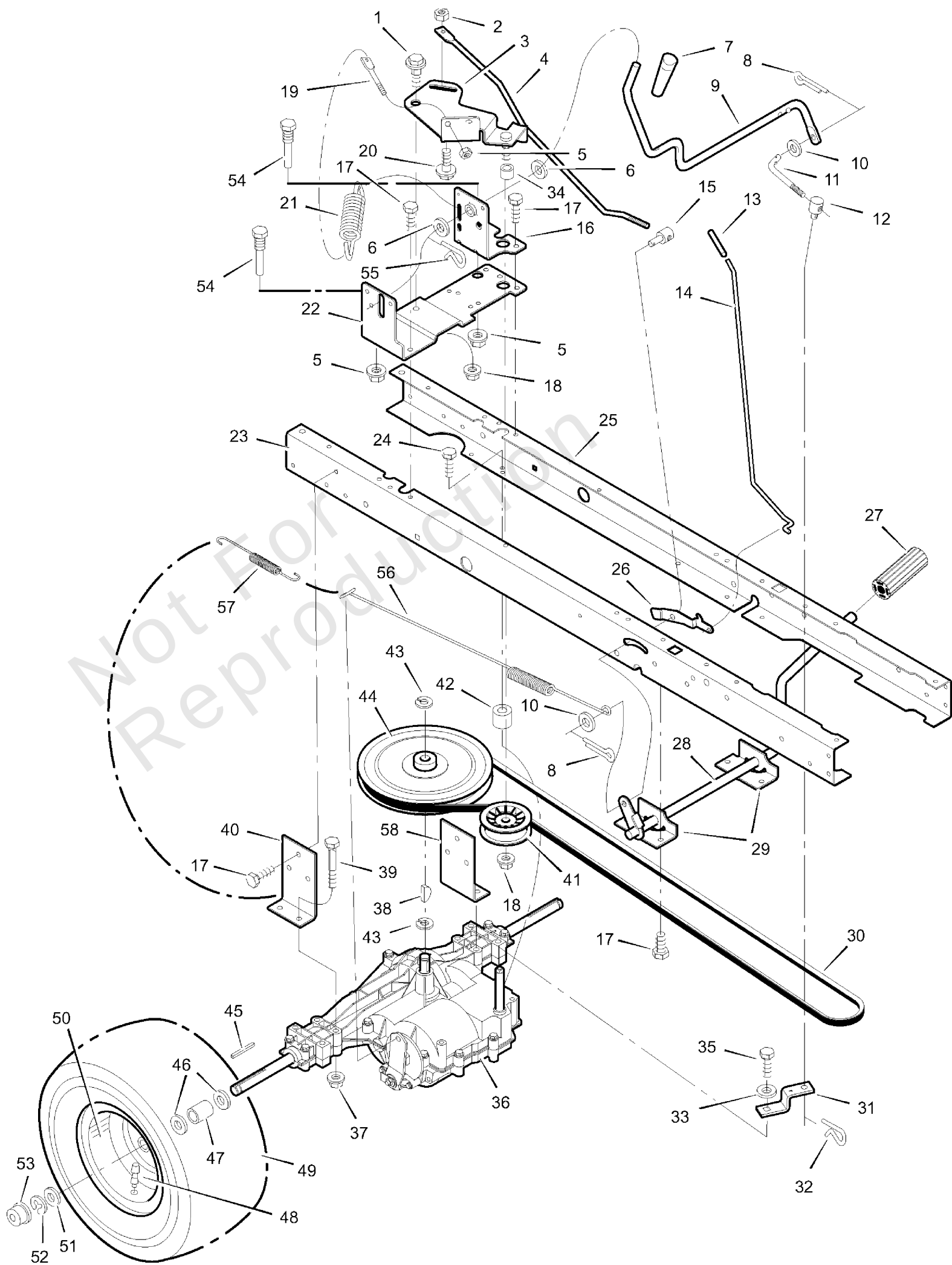


Engine Mount

REF NO	PART NO	QTY	DESCRIPTION
1	092317MA		FUEL CAP
2	094086		Fuel Tank
3	095197MA		Hose Clamp
4	023717		Fuel Line
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	690507 Z		Stack Pulley Assembly
12	019X35MA		Lockwasher
13	01X140MA		Bolt, Hex
14	17X170MA		WASHER.46.97.25 FLAT
15	26X249MA		Screw
16	091326		Choke
17	0019X8MA		Washer
18	015X33MA		Nut
19	93188E700		Baffle, Front Engine
20	093078E701		Baffle, Rear Engine
21	093349MA		GUIDE SCREW - ZINC
22	015X79MA		Nut, Flange
23	094384MA		Guide, Belt
24	056261		Pipe, Oil Drain
25	021651		Cap, Oil Drain
26	26X253MA		Screw
27	093077MA		Spacer

Footnotes:

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



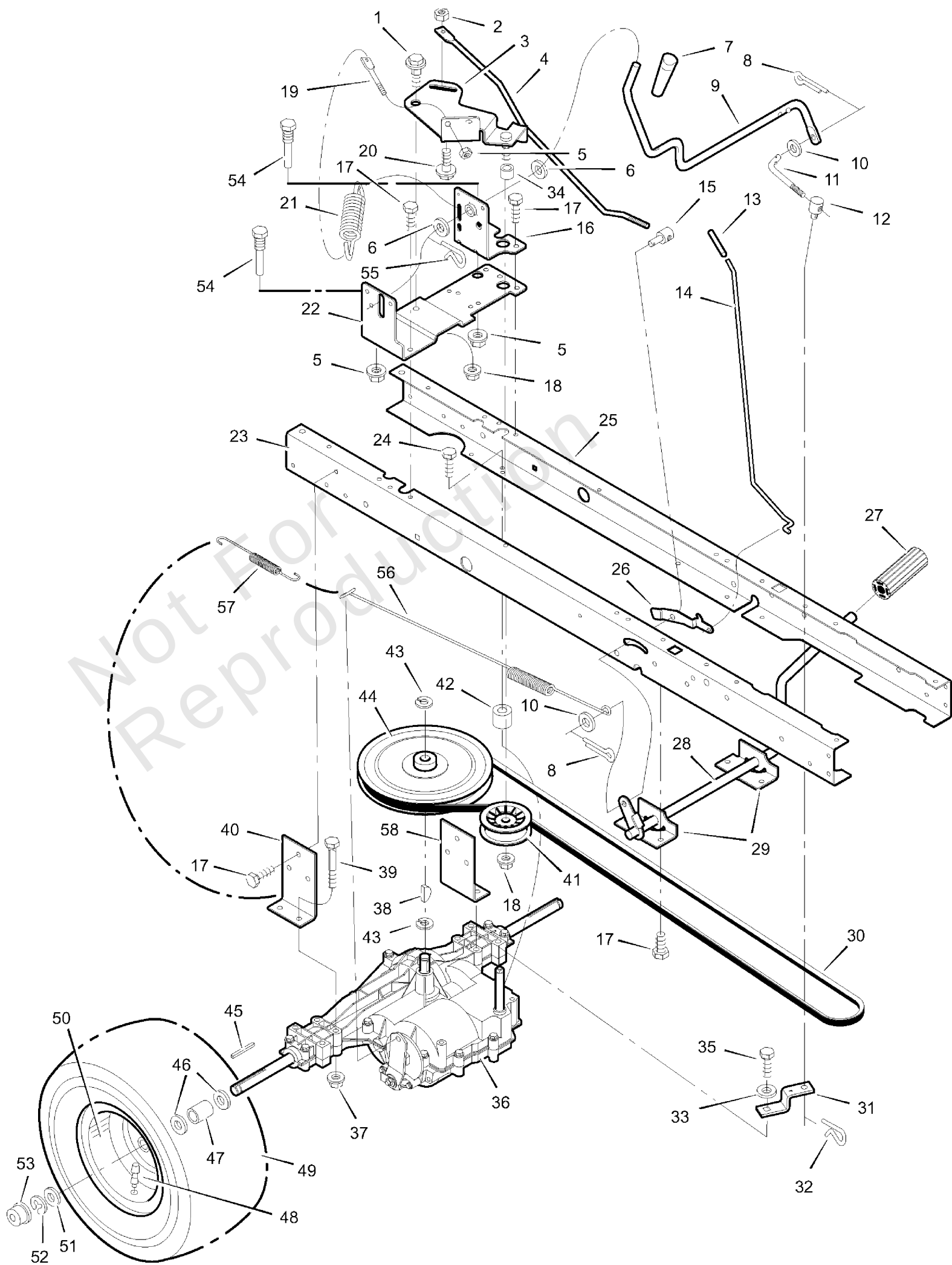
Motion Drive

REF NO	PART NO	QTY	DESCRIPTION
1	009X39MA		Bolt, Shoulder
2	015X89MA		NUT .25-20 FLANGELOCK
3	690273		Arm, Idler
4	094041 Z		Rod, Clutch
5	015X79MA		Nut
6	17X102MA		Washer
7	092697MA		Grip
8	030X20MA		Pin, Cotter
9	094043 Z		Lever, Shift
10	017X47MA		Washer
11	094044ZMA		Link, Shift
12	021920ZMA		Nut, Adjuster
13	091079MA		Grip
14	094152 Z		Rod, Parking Brake
15	094815ZMA		NUT-ADJUSTING
16	094034E700		Bracket, Shift
17	26X249MA		Screw
18	015X84MA		Nut
19	094042ZMA		Mount, Stud Spring
20	009X54MA		Bolt, Shoulder
21	165X116MA		Spring, Extension
22	690166E700		Bracket, Shifter
23	690206E700		Frame, Right
24	025X12		Screw
25	690207E700		Frame, Left
26	094045 Z		Latch, Parking Brake
27	021544MA		Pedal
28	094038E701MA		Lever, Brake/Clutch
29	094035E700		Bracket, Pedal
30	037X87MA		Belt, Motion Drive
31	094031ZMA		Yoke, Shift
32	0031X6MA		Pin, Hair
33	17X148MA		Washer
34	690369MA		Spacer
35	06X105MA		Bolt
36	-----		Transaxle **
37	015X88MA		Nut
38	020697MA		Key, Woodruff
39	01X155MA		Bolt
40	094184E701MA		Bracket, Right Transaxle
41	690409MA		Pulley
42	094132MA		Spacer
43	0011X7MA		E-Ring
44	095094MA		Pulley, Drive
45	021553MA		Key, Square
46	17X160MA		Washer
47	87X105 Z		Spacer, Transaxle
48	024373MA		VALVE STM&CP,TR41 SE

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.

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



Motion Drive

REF NO	PART NO	QTY	DESCRIPTION
49	024430		Tire *
--	407049MA		Tube
50	92300-601		Wheel & Tire Assembly
51	17X195MA		Washer
52	0011X3MA		RING, E .750D .050T
53	094618MA		HUB CAP
54	093349MA		GUIDE SCREW - ZINC
55	0031X4MA		Pin, Hair
56	165X115MA		Spring, Extension
57	165X92MA		Spring, Extension
58	094185E701MA		Bracket, Left Transaxle

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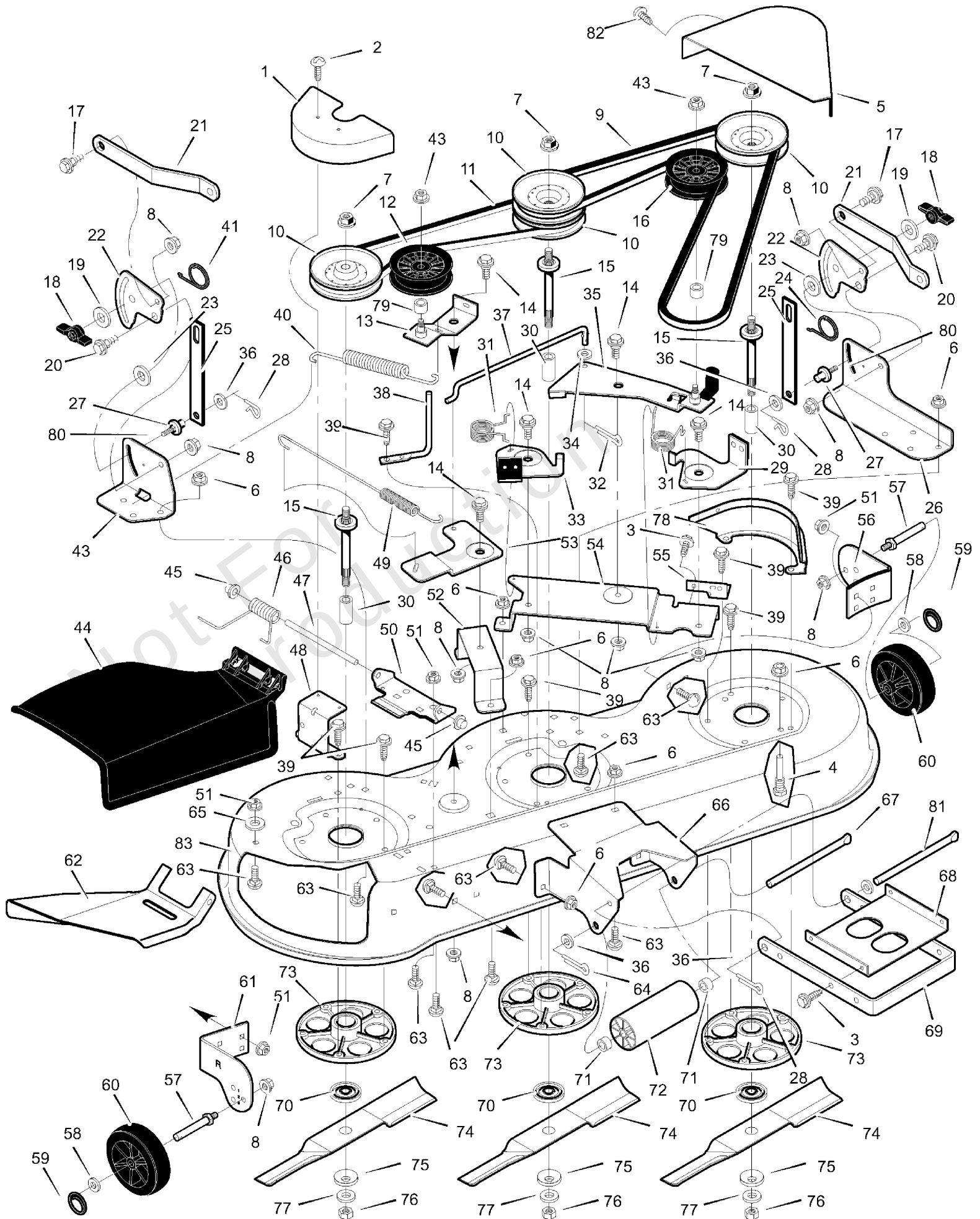
Footnotes:

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

Mower Housing

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 46500x92A



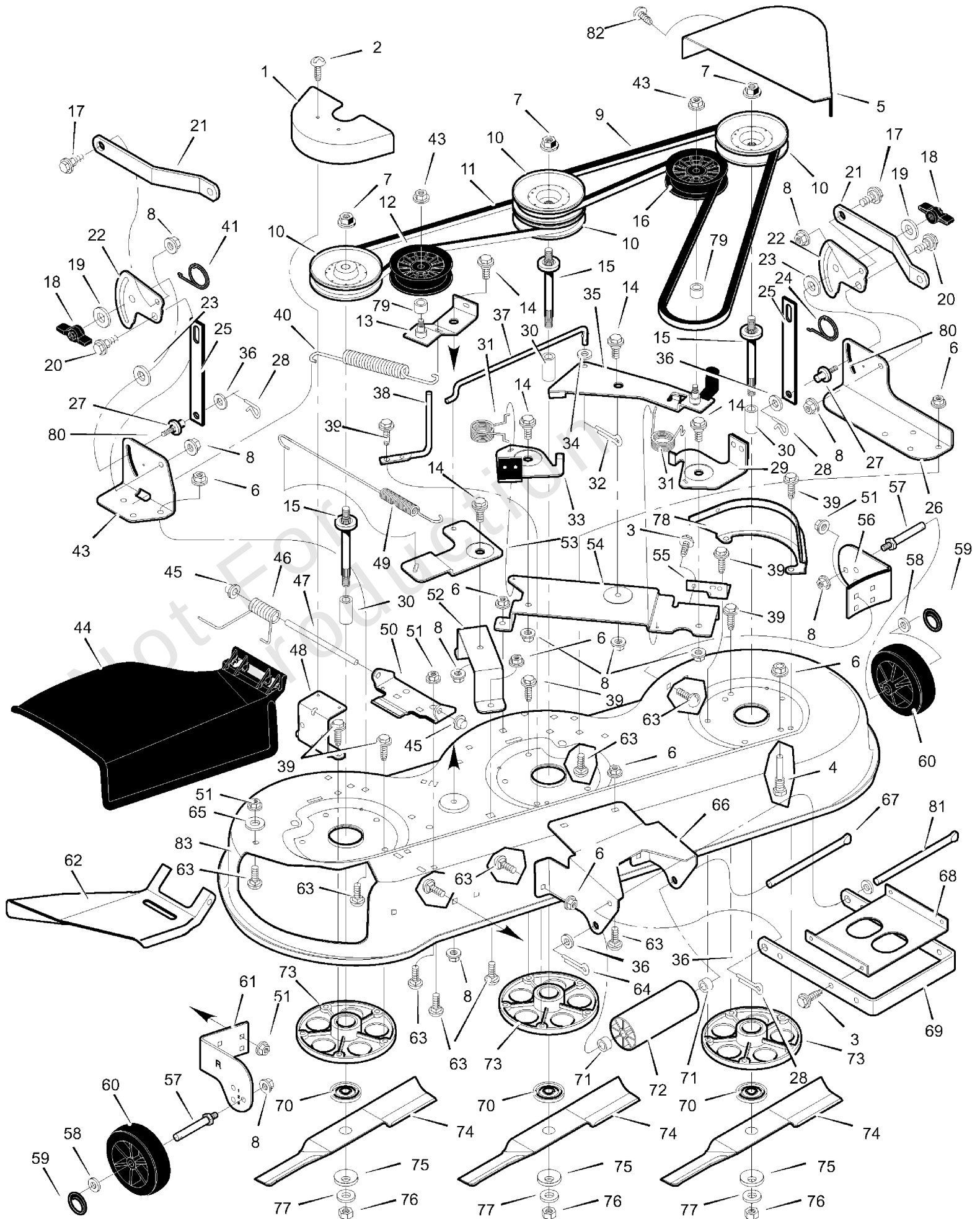
Mower Housing

REF NO	PART NO	QTY	DESCRIPTION
1	094607E701MA		Cover, Right Pulley
2	26X250MA		Screw
3	26X249MA		Screw
4	091754 Z		Guide, Belt
5	094645E701MA		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	690388		Pulley, Idler
13	94639		Arm, Idler
14	009X39MA		Bolt, Shoulder
15	094129		Shaft, Splined
16	690387MA		Pulley, Idler
17	009X52MA		Bolt, Shoulder
18	094068MA		Knob
19	017X45 Z		Washer
20	009X51MA		BOLT-SHD.38-16X.499D
21	094055E701MA		Bracket, Rear Suspension
22	094128E700MA		Plate, Suspension
23	094137MA		FRICITION PAD
24	166X43MA		Spring
25	690212E700		Link, Lift
26	094600E700MA		Bracket, Left Lift
27	094064		Pin, Hanger
28	0031X4MA		Pin, Hair
29	094640E700		Brake Assembly, Left
30	094130MA		Spacer
31	166X41MA		Spring
32	030X20MA		Pin, Cotter
33	94641E700		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	094053E701MA		LIFTER LINK, RIGHT
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	092104E701MA		Bracket, Hinge
51	015X88MA		Nut, Flange

Mower Housing

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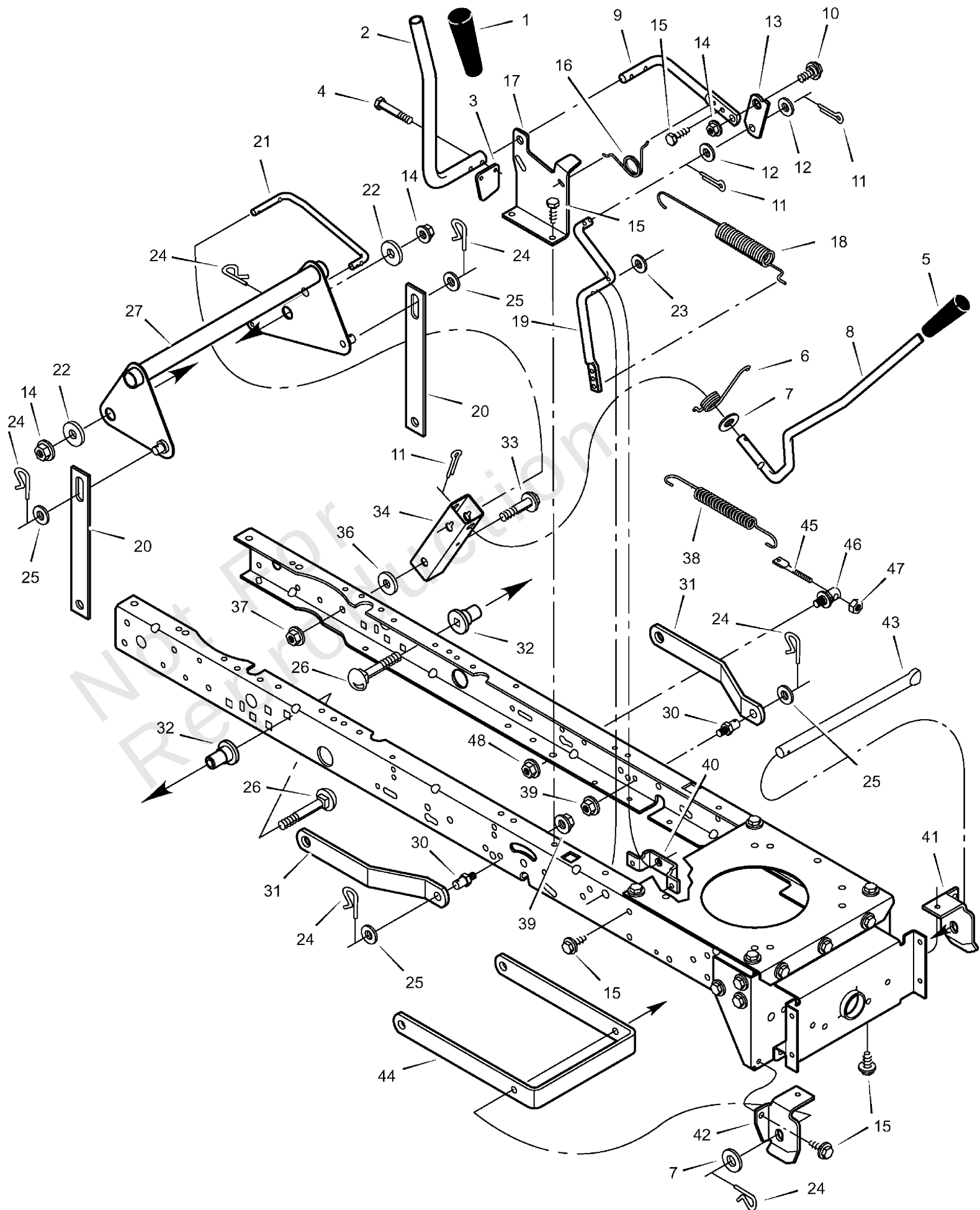
Mower Housing

REF NO	PART NO	QTY	DESCRIPTION
52	094601E701		Bracket, Bell Crank
53	094603E701MA		Crank, Bell
54	094596E700		Plate, Brake Arm
55	094602E701MA		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	094918E701MA		Bracket, Right Gauge Wheel
62	092103E701MA		Deflector, Inside
63	002X53MA		Bolt, Carriage
64	030X49MA		Pin, Cotter
65	017X57MA		Washer
66	094997SEMA		Bracket, Front Deck
67	094996MA		Rod, Hanger
68	094604E700		Stiffener
69	690539E701MA		BRKT-FRT SUSPENSION
70	092466MA		Adapter, Blade
71	091925MA		Spacer
72	092137MA		Roller
73	092574		Housing, Jackshaft
74	056631E701MA		SINGLE BLADE
75	17X166MA		Washer, Belleville
76	15X100MA		Nut
77	17X165MA		Washer
78	94643E700		Bracket, Pulley Cover
79	690369MA		Spacer
80	019X35MA		Washer
81	094996MA		Rod, Hanger
82	26X277MA		Screw
83	094936E701MA		Housing, Blade -(Includes Ref. No. 17, 18, 30, 31, 32, 33, 45, 46, 53, 54, 55, and 56)

Mower Housing Suspension

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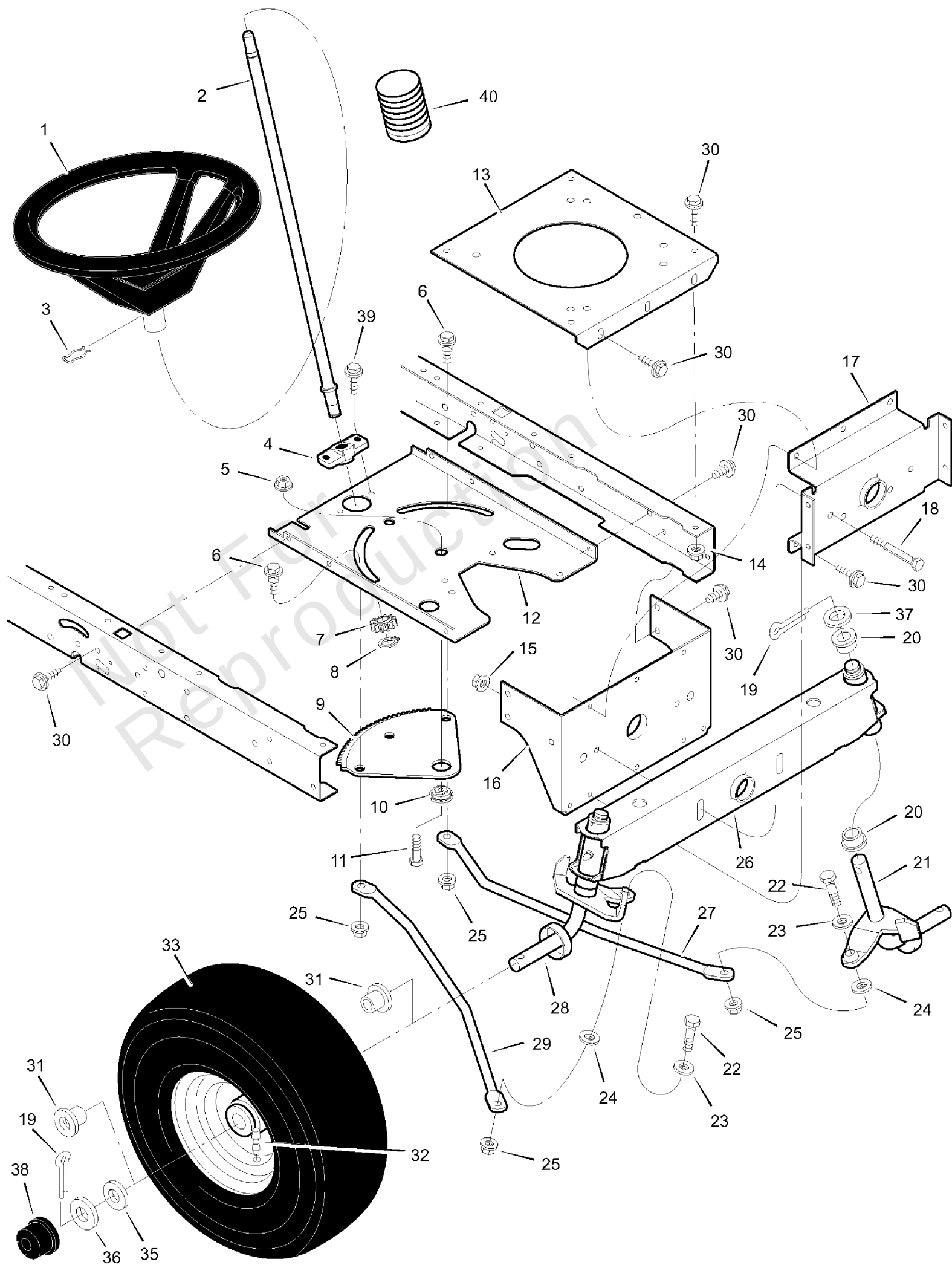
Mower Housing Suspension

REF NO	PART NO	QTY	DESCRIPTION
1	092698MA		Grip
2	094100 Z		Handle, PTO
3	094022 Z		Pad, Switch
4	0025X3MA		Screw, Hex
5	092697MA		Grip
6	166X40MA		Spring
7	17X103MA		Washer
8	094195 Z		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	094018E701MA		Bracket, PTO
18	165X120MA		Spring
19	94019E700		Crank, PTO
20	690212E700		Link, Lift
21	690122E700		Link, Lift Handle
22	17X158		Washer
23	017X57MA		Washer
24	0031X4MA		Pin, Hair
25	017X91 Z		Washer
26	002X85MA		Bolt, Carriage
27	690363E700		Lever Assembly, Lift
30	094067MA		Pin
31	094055E701MA		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	094027E701MA		Hanger, Left Deck
42	094026E701MA		Hanger, Right Deck
43	094158ZMA		Rod, Hanger
44	690539E701MA		BRKT-FRT SUSPENSION
45	094042ZMA		Stud
46	690182MA		Stud, Swivel
47	015X84MA		Nut
48	015X79MA		Nut

Steering

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Steering

REF NO	PART NO	QTY	DESCRIPTION
1	094591		Wheel, Steering
2	094127		Post, Steering
3	094131MA		Clip, Retainer
4	094124MA		Bearing
5	15X113MA		Nut, Flange
6	009X57MA		Bolt, Shoulder
7	690183MA		GEAR - PINION
8	011X25MA		Ring, Snap
9	094121MA		Gear, Sector
10	094123MA		Bearing
11	001X84MA		CAPSCREW, Hex Head, 5/16-18 x 1
12	690167E700		Plate, Steering
13	094006E700		Plate, Engine
14	015X88MA		Nut, Flange
15	15X118MA		Nut, Flange
16	094013E701MA		Bracket, Hanger
17	094007E701MA		Axle, Hanger
18	01X146MA		Bolt
19	030X49MA		Pin, Cotter
20	690150MA		Bearing
21	094576E701MA		Spindle Assembly, Left
22	01X111MA		Bolt
23	17X104MA		Washer
24	017X53 Z		Washer
25	015X84MA		Nut, Flange
26	690210MA		Axle Assembly
27	095329E701MA		Drag Link, Left
28	094575E701MA		Spindle Assembly, Right
29	095328E701MA		Drag Link, Right
30	26X249MA		Screw
31	091334		Bearing, Wheel
32	024373MA		VALVE STM&CP,TR41 SE
33	024380		Tire *
--	407047MA		Tube
34	94581-601		Wheel and Tire Assembly
35	17X195MA		Washer
36	17X192MA		Washer
37	17X113MA		WASHER.76-1.2 13G FL
38	094618MA		HUB CAP -(Optional)
39	26X267MA		Screw
40	092059MA		Bellows -(Optional)

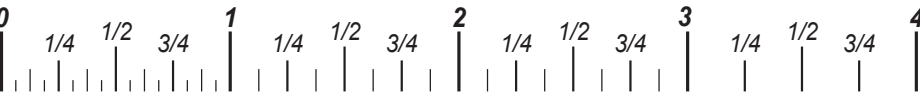
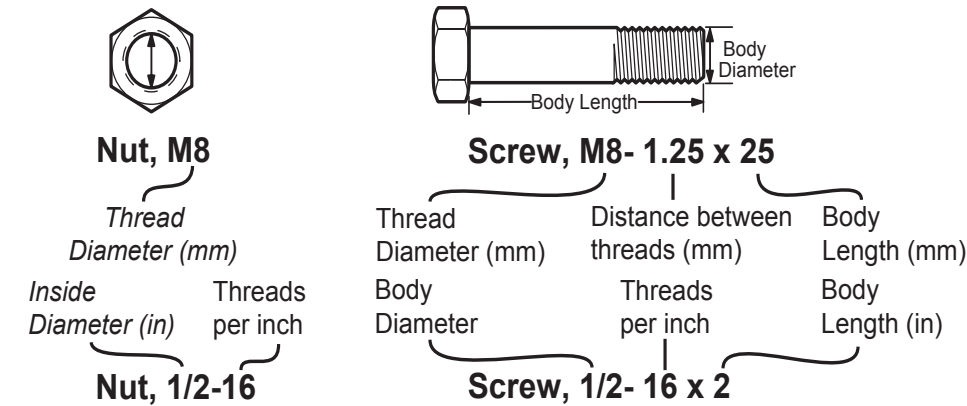
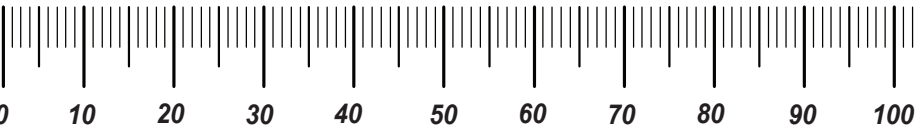
Footnotes:

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).

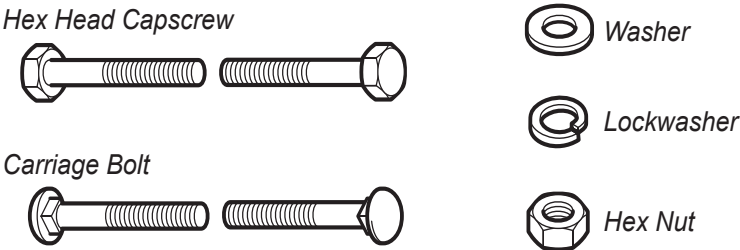
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

