



Parts Manual

Mfg. No: 30544x192A
Rear Engine Riders (1996)

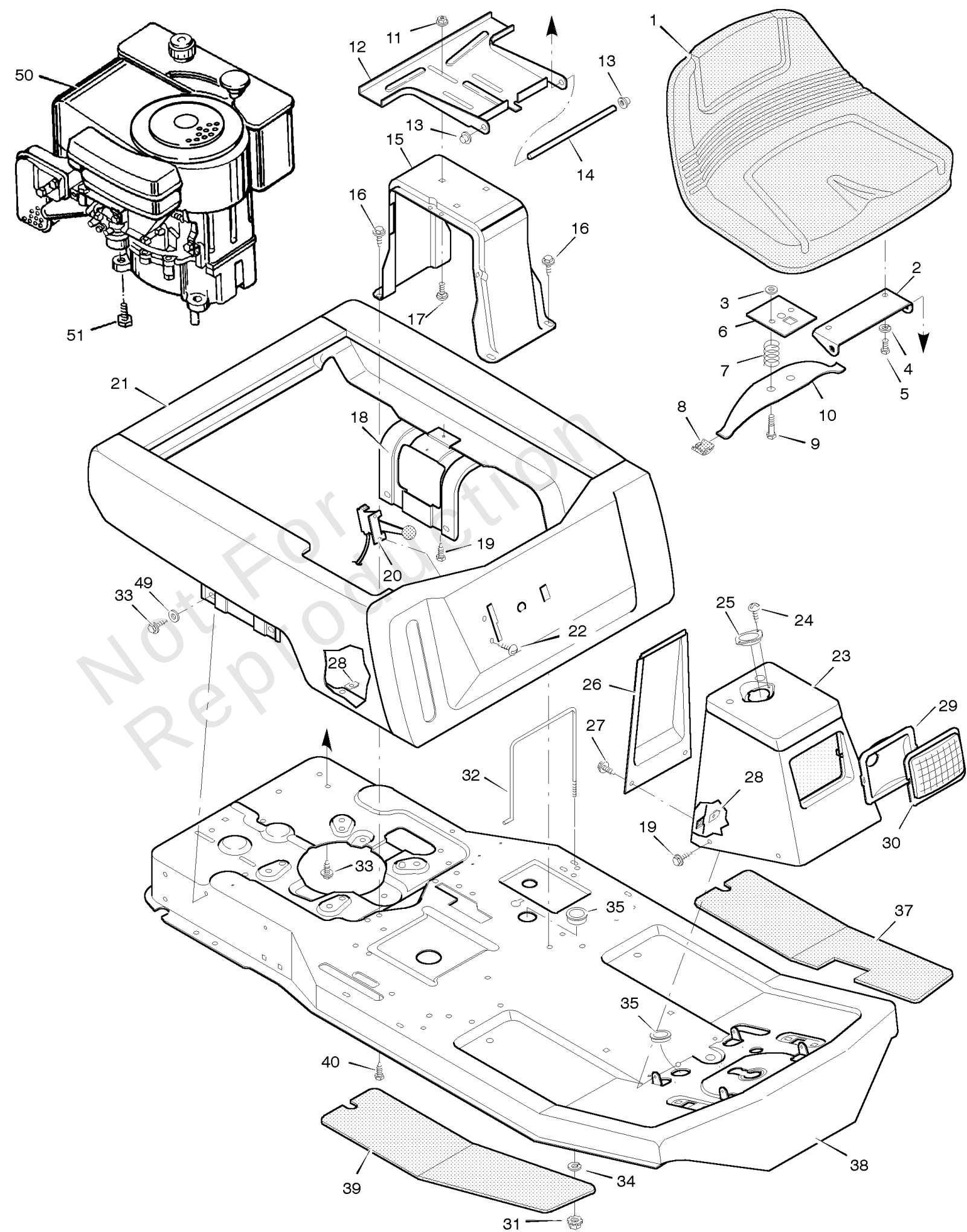
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Not For
Reproduction

Body Chassis

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 30544x192A



Body Chassis

REF NO	PART NO	QTY	DESCRIPTION
1	091965		Seat
2	56516E701		Hinge, Seat
3	028X64MA		Retainer
4	018X16MA		Lockwasher
5	001X45MA		Bolt, Hex
6	091963 Z		Plate, Seat Switch
7	164X26MA		Spring, Compression
8	091822MA		Glide, Seat Spring
9	009X38MA		Bolt, Shoulder
10	091964MA		Spring, Seat
11	015X88MA		Locknut, Flange
12	56518E701		Bracket, Seat Pivot
13	028X23MA		Cap, Push On
14	565372		Rod, Seat Hinge
15	56517E701		Support, Seat
16	26X249MA		Screw
17	002X53MA		Bolt, Carriage
18	55017E701		Support, Body -(Included with Ref. No. 21)
19	26X214MA		Screw
20	056598MA		Throttle Control
21	054766E245		Body
22	26X201MA		Screw
23	056570E245		Console Assembly
24	26X201MA		Screw
25	056022MA		Bearing, Steering Post
26	055023E700		Console, Plate
27	004X24MA		Screw
28	028X18		J- Nut
29	056241 Z		Reflector
30	090082MA		Lens
31	015X66MA		Locknut
32	054800 Z		Clamp, Battery
33	026X49MA		Screw
34	017X38 Z		Washer
35	021268		Grommet
37	092637		Mat, Left
38	56611E245		Frame Assembly
39	092636		Mat, Right
40	006X74MA		Screw
49	0019X6		Washer
50	-----		Engine *
51	0025X7MA		Bolt, Engine Mount
--	F-96600		Owner's Manual
--	F-96608		Parts List
--	44X3024		Decal, Right Panel
--	44X3025		Decal, Left Panel
--	44X4402		Decal, Shift
--	44X3713		Decal, Left Console

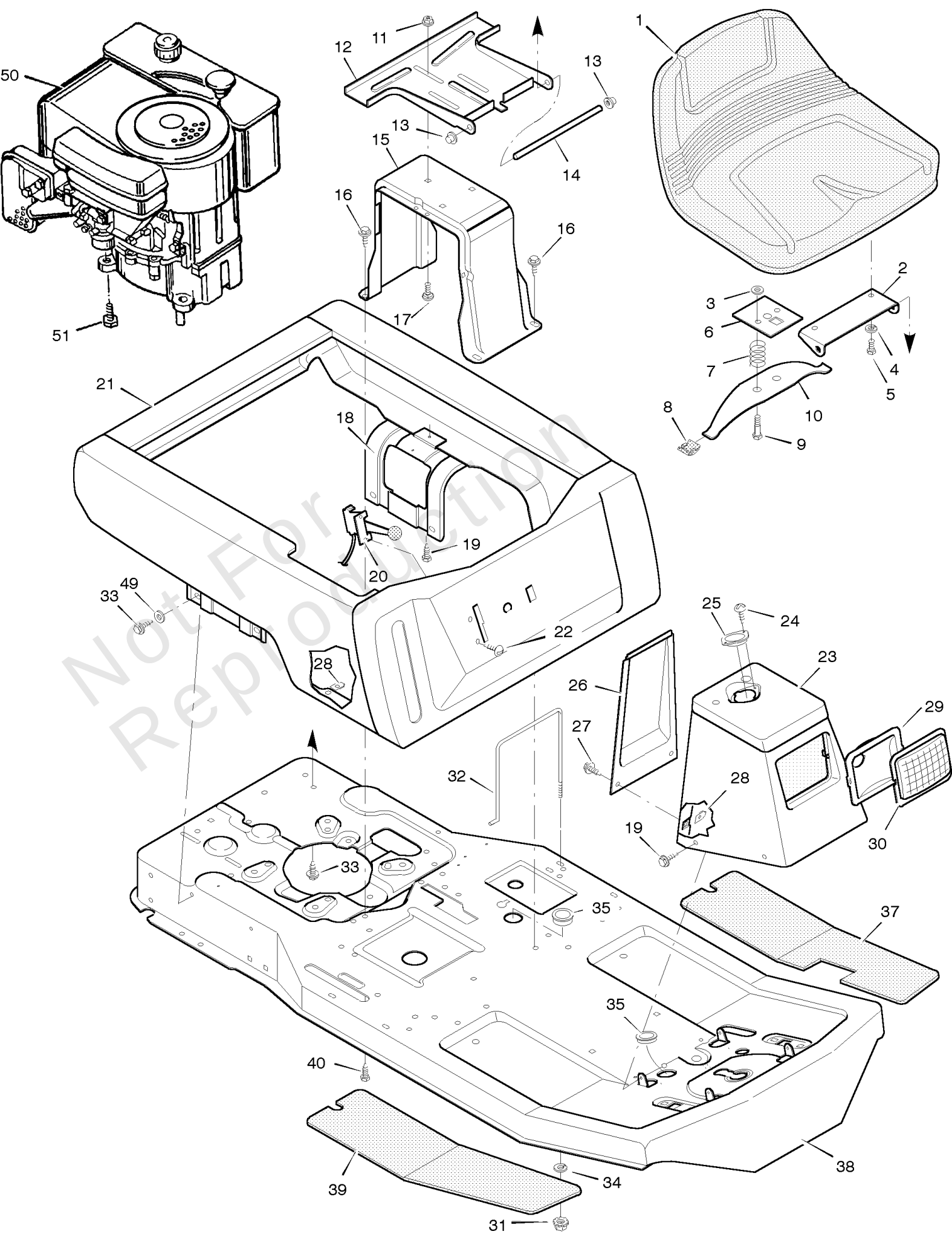
Footnotes:

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

Body Chassis

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 30544x192A



Body Chassis

REF NO	PART NO	QTY	DESCRIPTION
--	44X3712		Decal, Right Console
--	44X3023		Decal, Front
--	44X2584		Decal, Operation
--	44X1627		Decal, Clutch/Brake

Not For
Reproduction

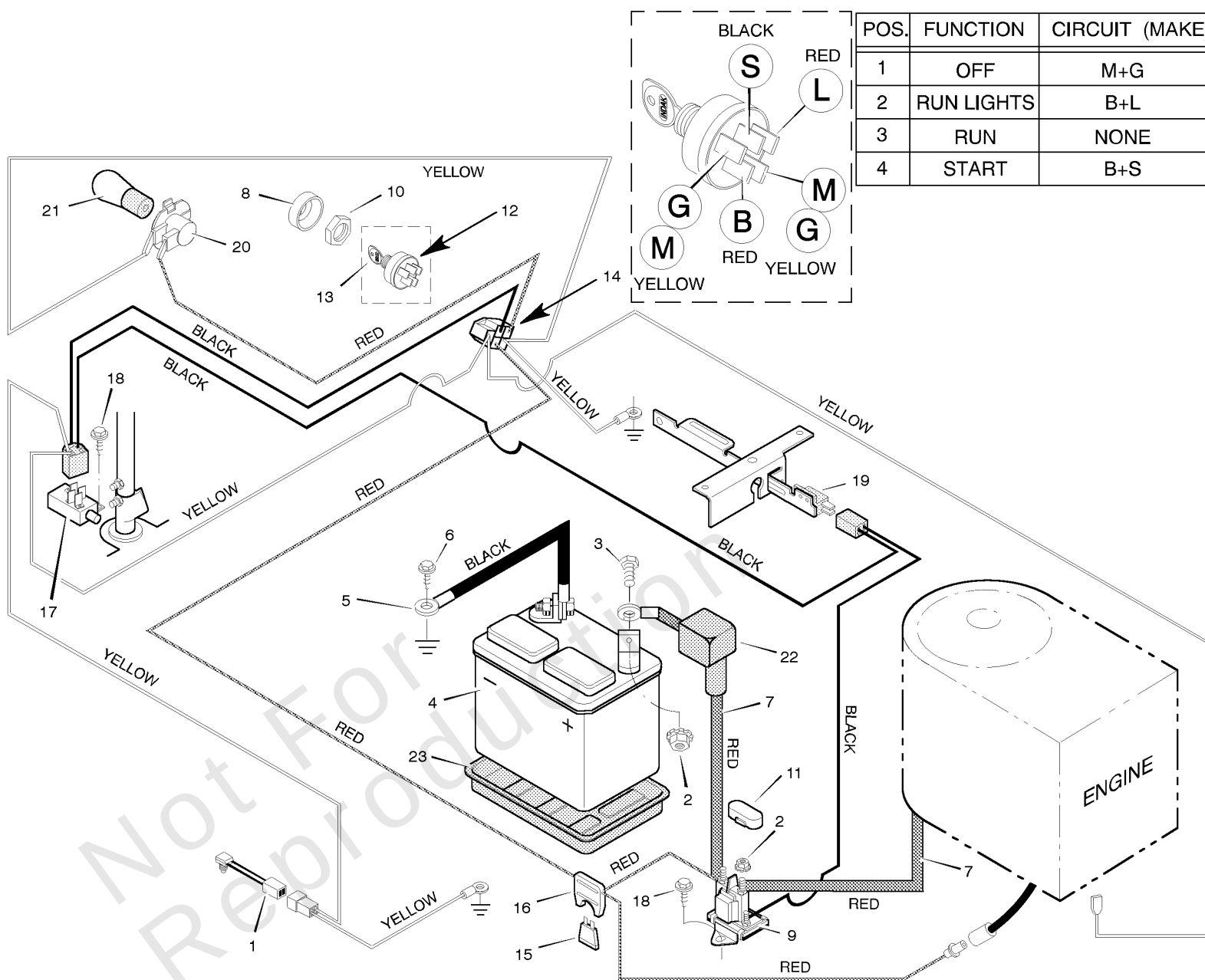
Footnotes:

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Electrical System

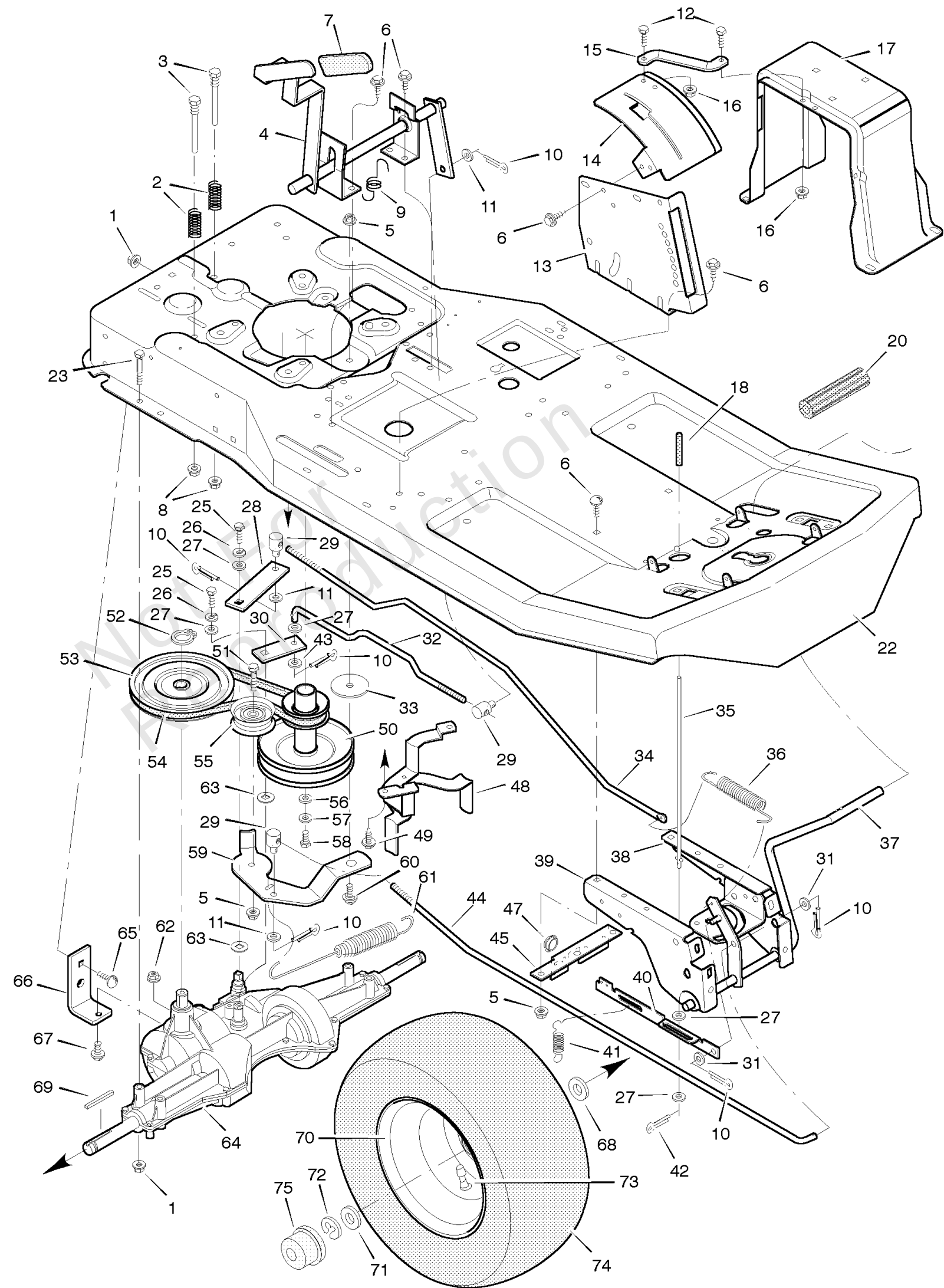
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Electrical System

REF NO	PART NO	QTY	DESCRIPTION
1	091031		Switch, Seat Sensor
2	015X66MA		Locknut
3	001X38MA		Bolt
4	091414		Battery
--	093292		Acid, Battery (Electrolyte)
5	0024X3MA		Cable, Battery Ground
6	026X49MA		Screw
7	024X24MA		Cable, Red Battery
8	091488		Cap, Ignition
9	024285		Solenoid
10	091489MA		Nut, Hex
11	056049		Cover, Solenoid
12	091846MA		Switch, Ignition
13	020729		Key, Ignition
14	250X41		Harness, Chassis Wire
15	054212		Fuse
16	407078MA		Holder, Fuse
17	091032MA		Switch, Limit
18	26X233MA		Screw
19	024273MA		Switch, Limit
20	092372		Socket, Light
21	090084MA		Bulb, Light
22	054148MA		Cover, Terminal
23	091896MA		Tray, Battery



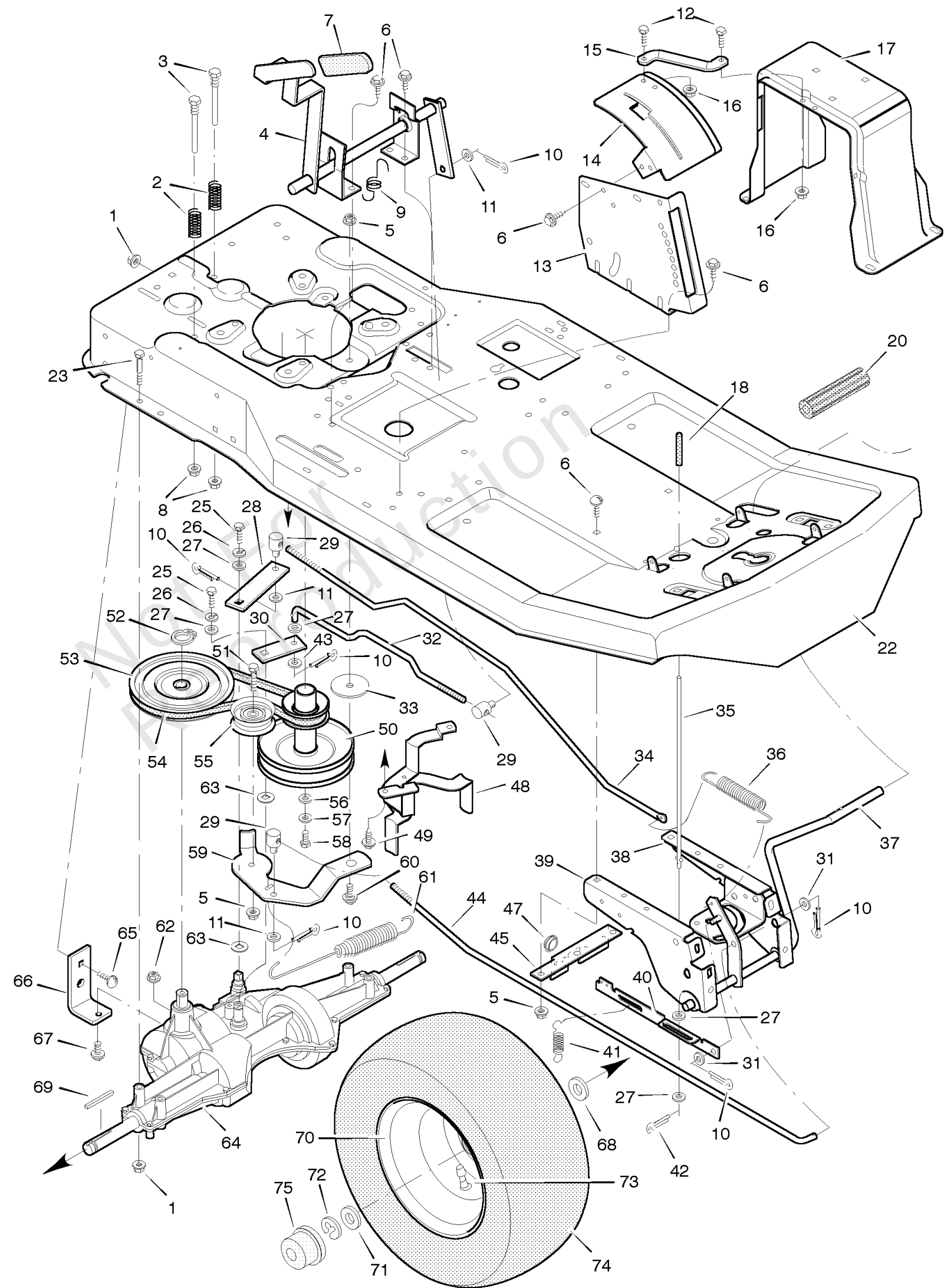
Motion Drive

REF NO	PART NO	QTY	DESCRIPTION
1	015X88MA		Locknut, Flange
2	0164X1MA		Spring, Compression
3	055826		Guide, Belt
4	056610E701MA		Shifter Assembly
5	015X84MA		Locknut, Flange
6	26X267MA		Screw
7	091573		Grip, Shift Lever
8	15X115MA		Hex Nut
9	165X100		Spring, Extension
10	030X20MA		Pin, Cotter
11	017X53MA		Washer
12	001X38MA		Bolt, Hex
13	56595E701		Plate, Index
14	56606E701		Gate, Shift
15	56529E701		Brace, Shift Gate
16	015X89MA		NUT .25-20 FLANGELOCK
17	56517E701		Support, Seat
18	055873		Grip, Parking Brake
20	055825MA		Pedal, Rubber
22	56611E701		Frame Assembly
23	01X124		Bolt, Hex
25	01X145MA		Bolt, Hex
26	018X32MA		Lockwasher
27	017X36MA		Washer
28	056500 Z		Yoke, Brake
29	021920ZMA		Nut, Adjusting
30	056505 Z		Yoke, Shift
31	017X47MA		Washer
32	056591 Z		Rod, Shift
33	17X174 Z		Washer, Hardened
34	056530 Z		Rod, Brake
35	056566 Z		Rod, Parking Brake
36	165X85MA		Spring, Extension
37	56511E701		Lever, Pedal
38	56224E701		Plate, Left Suspension
39	56023E701		Plate, Right Suspension
40	056565 Z		Link, Parking Brake
41	165X107MA		Spring, Extension
42	030X50		Pin, Cotter
43	017X46 Z		Washer
44	056531 Z		Rod, Clutch
45	56227E701		Stop, Parking Brake
47	056623MA		Grommet
48	056215 Z		Guide, Belt
49	026X49MA		Screw
50	092504 Z		Pulley Assembly, Stack
51	01X111MA		Bolt, Hex
52	0011X7MA		Ring, Retainer

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** Parts 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
53	056562MA		Pulley, Drive
54	037X65MA		Belt, Motion Drive
55	056526MA		Pulley, Idler
56	17X170MA		WASHER.46.97.25 FLAT
57	019X35MA		Lockwasher
58	01X140MA		Bolt, Hex
59	1001034E700MA		Bracket, Idler
60	009X42MA		Bolt, Shoulder
61	165X81MA		Spring, Extension
62	015X43MA		Locknut, Hex
63	17X148MA		Washer
64	-----		Transaxle, Dana Model 4450-1 **
65	002X53MA		Bolt, Carriage
66	56503E701		Bracket, Transaxle
67	01X139MA		Bolt, Hex
68	17X160MA		Washer
69	056534MA		Key, Square
70	92308601		Wheel & Tire Assembly
71	17X115MA		Washer
72	0011X3MA		RING, E .750D .050T
73	024373MA		VALVE STM&CP,TR41 SE -(Included with Ref. No. 70)
74	024393MA		Tire * -(Included with Ref. No. 70)
75	024582MA		Hub Cap -(Optional)

Footnotes:

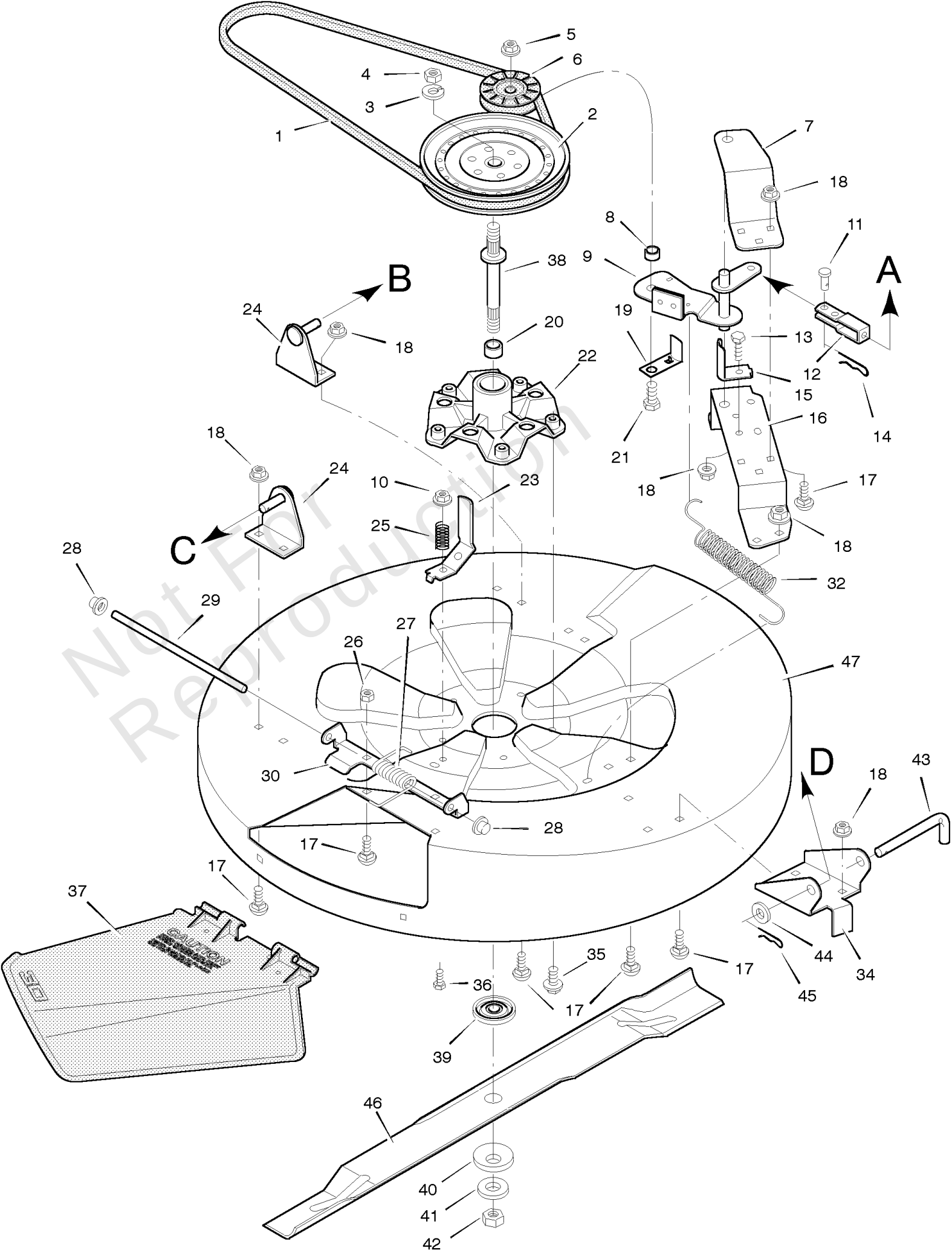
Note* When you order a tire, make sure to give the brand name of the tire so that the tread pattern on the tire will match.

Note** Parts 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

Mfg. No: 30544x192A



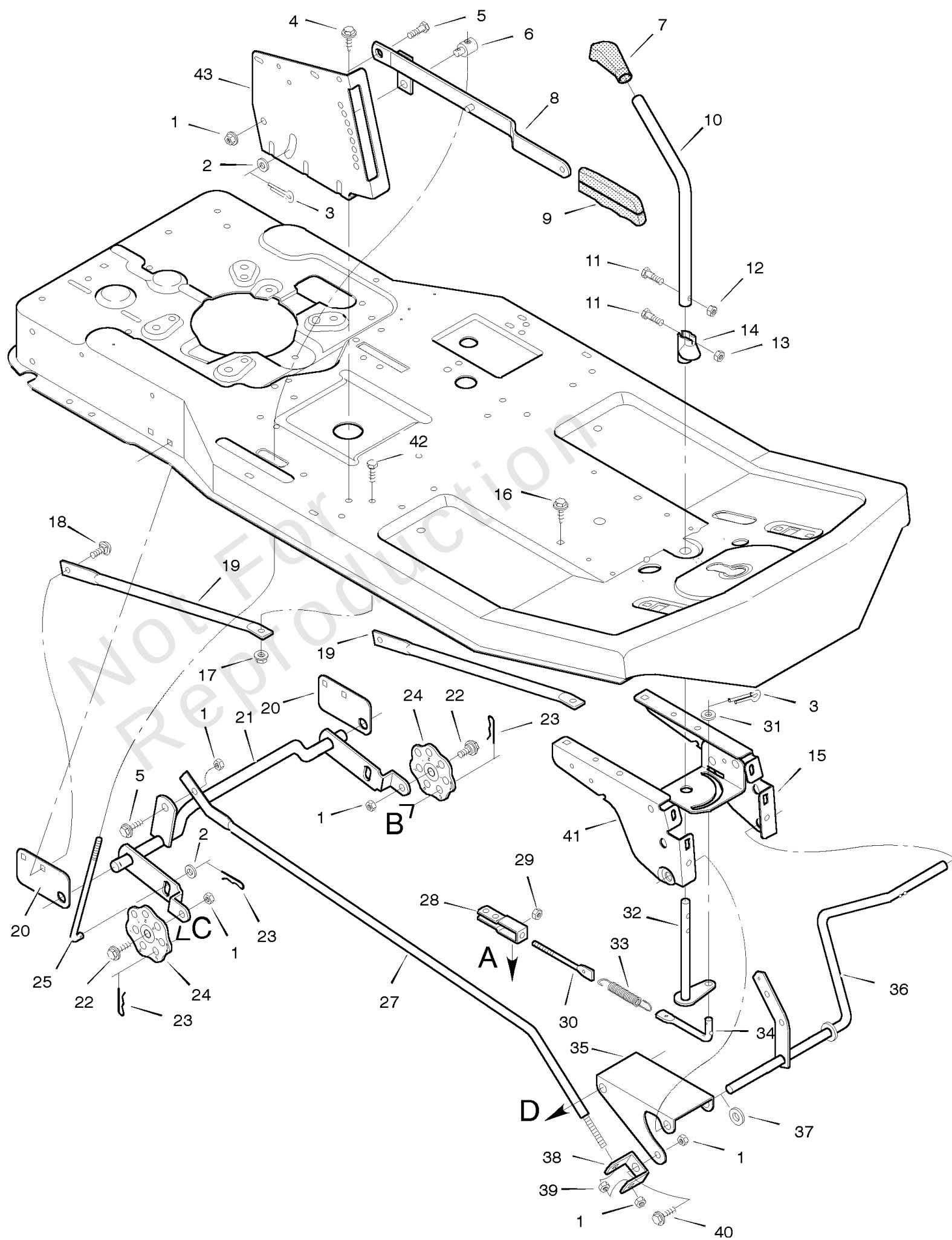
Mower Housing

REF NO	PART NO	QTY	DESCRIPTION
1	037X57A		Belt, Mower Drive
2	091951		Pulley, Splined
3	018X33MA		Lockwasher
4	15X100MA		Locknut, Hex
5	015X41MA		Nut, Hex
6	091178		Pulley, Idler
7	055921E700		Bracket, Upper Idler
8	055895 Z		Spacer
9	55979E701		Assembly, Blade Idler
10	015X88MA		Locknut, Flange
11	029X99MA		Pin, Clevis
12	024471 Z		Clevis
13	001X45MA		Bolt, Hex
14	0031X6MA		Pin, Hair
15	55977E701		Guide, Belt
16	055920E701		Bracket, Lower Idler
17	002X53MA		Bolt, Carriage
18	015X79MA		Nut, Flange
19	55894E701		Guide, Belt
20	091925MA		Spacer
21	01X127MA		Bolt, Hex
22	055962		Housing, Mandrel
23	055956 Z		Guide, Belt
24	55974E701		Bracket, Hanger
25	0164X1MA		Spring, Compression
26	015X88MA		Nut, Hex
27	0166X4MA		Spring - Torsional
28	028X23MA		Push On Cap
29	021197 Z		Rod
30	56213E701		Hinge, Chute Deflector
32	165X68MA		Spring, Extension
34	55916E701		Bracket, Front
35	26X216MA		Screw
36	001X75MA		Bolt, Hex
37	055971MA		Deflector, Chute
38	091921		Mandrel
39	092466MA		Adapter, Blade
40	17X166MA		Washer, Belleville
41	17X165MA		Washer, Hardened
42	15X100MA		Nut, Hex
43	090828 Z		Pin, Pull
44	017X67 Z		Washer
45	0031X4MA		Pin, Hair
46	56246E701		Blade, Standard
47	403330		Mower Housing, Complete -(Includes Ref. No's. 1-47)

Mower Housing Suspension

Note: Unless noted otherwise, use the standard torque specifications

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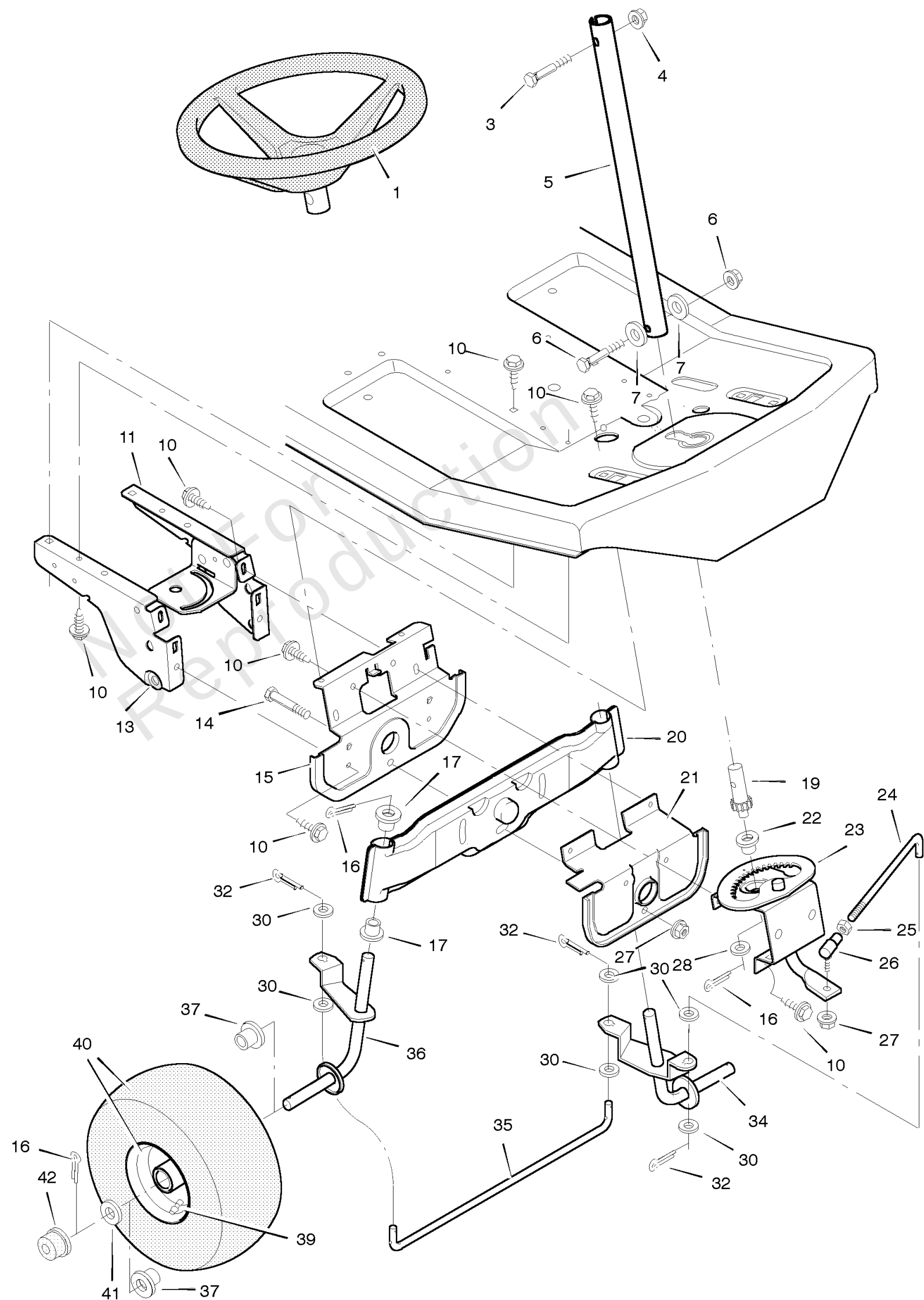
Mower Housing Suspension

REF NO	PART NO	QTY	DESCRIPTION
1	015X84MA		Locknut, Flange
2	017X53MA		Washer
3	030X20MA		Pin, Cotter
4	26X249MA		Screw
5	009X39MA		Bolt, Shoulder
6	021920ZMA		Nut, Adjusting
7	092698MA		Grip, Blade Control
8	56031E701		Lever Assembly, Lift
9	091573		Grip, Lift Lever
10	055927 Z		Attachment, Clutch
11	001X76MA		Bolt, Hex
12	015X66MA		Locknut
13	015X89MA		NUT .25-20 FLANGELOCK
14	055853MA		Cam, Blade Control
15	56224E701		Plate, Left Suspension
16	26X249MA		Screw
17	015X88MA		Locknut, Flange
18	002X64MA		Bolt, Carriage
19	55326E701		Strut, Frame
20	55270E701		Plate, Mounting
21	55346E701		Rod Assembly, Rear Suspension
22	0009X4MA		Bolt, Shoulder
23	0031X4MA		Pin, Hair
24	55344E701		Plate, Adjusting
25	24839E701		Rod, Lifter
27	55957E701		Rod, Suspension
28	024471 Z		Clevis
29	0015X2MA		Nut, Hex
30	055271 Z		Link, Blade Drive
31	017X48MA		Washer
32	55930E701		Rod and Arm Assembly
33	165X67MA		Spring, Extension
34	55179E701		Link, Front Deck
35	55139E701		Bracket, Front Suspension
36	56511E701		Lever, Pedal
37	17X122		Washer
38	055298		Clevis
39	015X73		Locknut, Hex
40	009X17MA		Bolt, Shoulder
41	56023E701		Plate, Right Suspension
42	001X45MA		Bolt, Hex
43	56595E701		Plate, Index

Steering

Note: Unless noted otherwise, use the standard torque specifications

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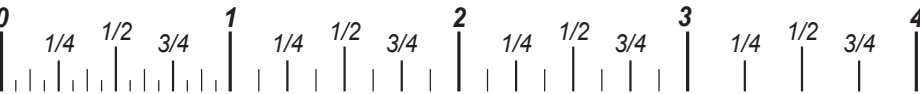
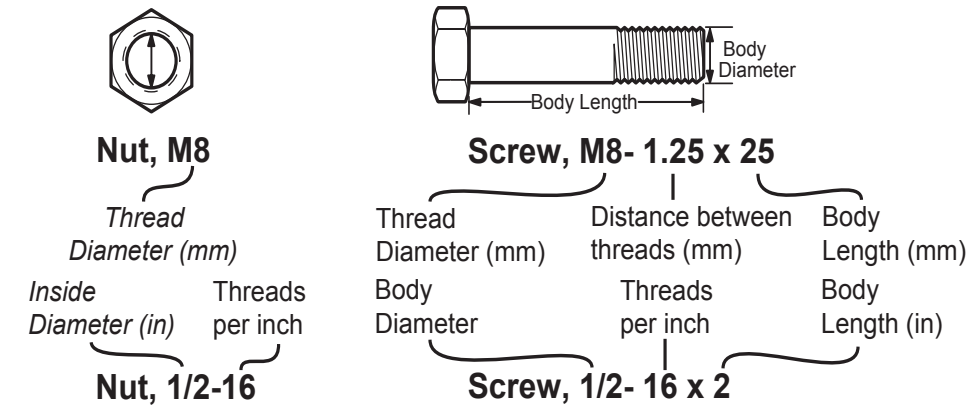
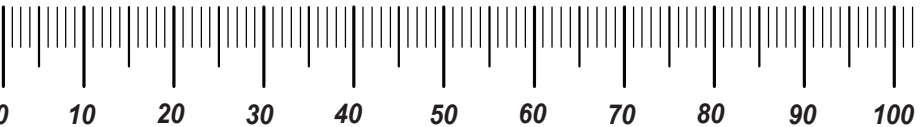
Steering

REF NO	PART NO	QTY	DESCRIPTION
1	092076		Steering Wheel
3	01X102		Bolt, Hex
4	015X88MA		Locknut, Flange
5	91444C		Post, Steering
6	015X88MA		Nut, Hex
7	017X47MA		Washer
10	26X267MA		Screw
11	56224E701		Plate, Left Suspension
13	56023E701		Plate, Right Suspension
14	001X69		Bolt, Hex
15	56231E701		Support, Front Axle
16	030X49MA		Pin, Cotter
17	055003MA		Bearing, Spindle
19	056057MA		Gear, Pinion
20	56223E701		Axle Assembly, Front
21	56230E701		Hanger Assembly, Front Axle
22	055168MA		Bearing
23	56236E701		Sector Assembly
24	56625E701		Rod, Drag Link
25	021031MA		Ball Joint, Steering
26	015X61MA		Nut, Hex
27	015X87		Locknut, Flange
28	017X87		Washer
30	017X53MA		Washer
32	030X20MA		Pin, Cotter
34	55039E701		Spindle Assembly, Left
35	55026E701		Rod, Tie
36	55038E701		Spindle Assembly, Right
37	056105MA		Bearing, Wheel -(Included with Ref. No. 40 F- 96608)
38	055700MA		Tire
39	024373MA		VALVE STM&CP,TR41 SE -(Included with Ref. No. 40 F-96608)
40	92303601		Wheel & Tire Assembly
41	024583MA		Washer
42	024582MA		Cap, Hub -(Optional)

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).

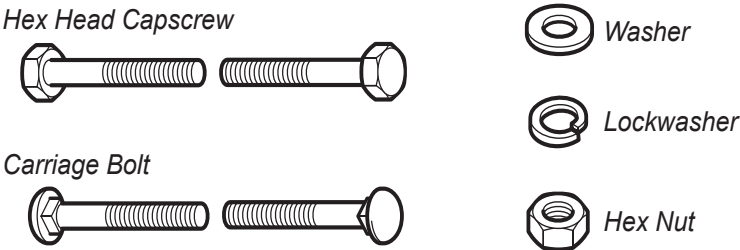
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

