



Parts Manual

Mfg. No: 5900930
Evolution Series w/ 52" Mower Deck
(EVKAV2252)



5600386 - Mulch Kit for ZTR w/ 52" iCD Deck - S/N: 2013818908 - 2014644342.....
5600527 - Mulch Kit for ZTR w/ 52" iCD Deck - S/N: 2014644343 - 2015866744.....
5601553 - Catcher, Steel Frame / Aluminum Mesh.....
5601556 - Mounting Kit, Catcher for 52" Decks (FW25, SRS Z2 - S/N: All; FW35, SW25 - S/N: 2017170235 &

Not For
Reproduction

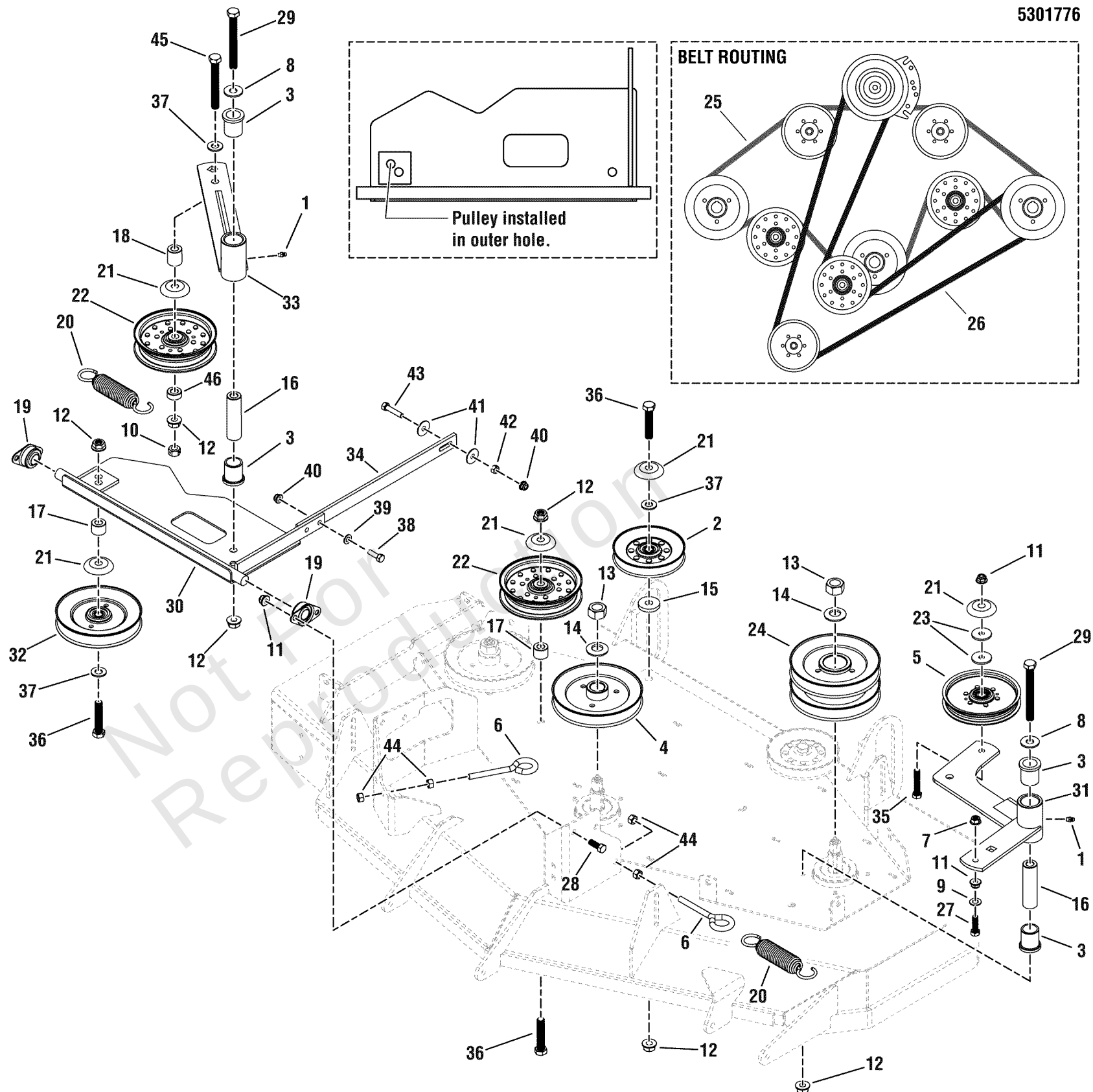
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52" Mower Deck - Belts, Pulleys & Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301776



52" Mower Deck - Belts, Pulleys & Idler Arm

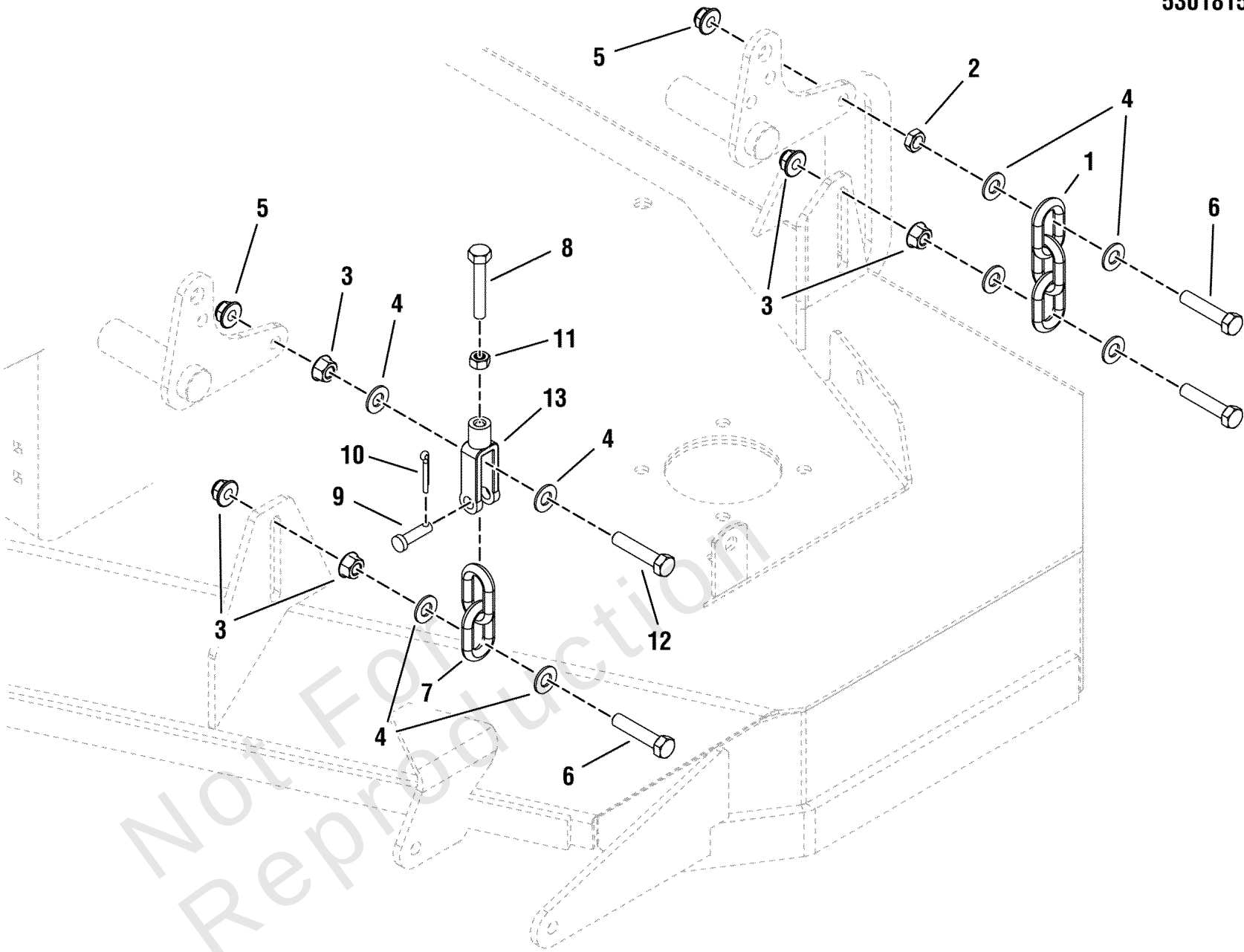
REF NO	PART NO	QTY	DESCRIPTION
1	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
2	5021097	2	PULLEY-IDLER-V, 4.85OB, .506ID, .94W,STL
3	5021541	4	BUSHING, FLANGE
4	5101351	2	PULLEY, 5.926 OVER BALL
5	5101193	1	PULLEY-IDLER, 5.00OD, .385ID, .75W, STL
6	5023497	2	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ
7	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
8	5025150	2	WASHER, 1/2 USS
9	5025156	1	WASHER, 3/8 SAE
10	5025332	1	NUT, 1/2-13 HEX SIDE LOCK
11	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
12	5025396	7	NUT, Hex Flange, Nylock, 1/2-13
13	5025405	3	NUT, 3/4-16 HEX
14	5025406	3	WASHER, 3/4 BELLEVILLE
15	5044913	2	WASHER, .53 X 1.50 X .25
16	5045022	2	SPACER, .52 X 1.00 X 3.50
17	5045178	2	SPACER, .52 X 1.00 X .75
18	5061781	1	SPACER, .52 X 1.00 X 1.15
19	5100561	2	BEARING, BRONZE FLANGE, 3/4"
20	5100633	2	SPRING, EXTENSION, SWIVEL, SHORT HOOK
21	5101103	6	SHIELD, PULLEY BEARING
22	5101794	2	PULLEY, IDLER, 5" OD, 1"FACE, 5.75 FL
23	5101964	2	WASHER, .390 X 1.38 X .109, YZ
24	5102180	1	PULLEY, DOUBLE, 5.926 OVER BALL
25	5102035	1	BELT, B-SECTION, 105 EL, WRAP, ARAMID
26	5102040	1	BELT, B-SECTION, 112 EL, WRAP, ARAMID
27	5025013X10	1	BOLT, 3/8-16 X 1-1/4" GD5 CZ
28	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
29	5025017X36	2	BOLT, 1/2-13 X 4-1/2 GD5
30	5404767B	1	WELD, IDLER MOUNT PLATE - RED
31	5404925B	1	WELD, IDLER, EVOLUTION 48 - RED
32	5101996	1	PULLEY, 6" DEEP GROOVE, COMPENSATOR
33	5405003B	1	WELD, IDLER ARM - RED
34	5404939B	1	BAR, 1/4 X 1.00 X 15.50
35	5025013X16	1	BOLT, 3/8-16 X 2, GD5, CZ
36	5025017X20	4	BOLT, 1/2-13 X 2-1/2" GD5 CZ
37	5025158	4	WASHER, 1/2 SAE
38	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
39	5025155	2	WASHER, 5/16" SAE
40	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE
41	5025164	2	WASHER, 5/16 FENDER
42	5025032	1	NUT, 5/16-18 HEX
43	5025011X12	1	BOLT, 5/16-18 X 1-1/2 GD5 YZ
44	5025034	4	NUT, 3/8-16 HEX
45	5025017X32	1	BOLT, 1/2-13 X 4" GD5 CZ
46	5045023	1	SPACER, .52 X 1.00 X .44

52" Mower Deck - Hanger Chains

Note: Unless noted otherwise, use the standard torque specifications

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5301815



52" Mower Deck - Hanger Chains

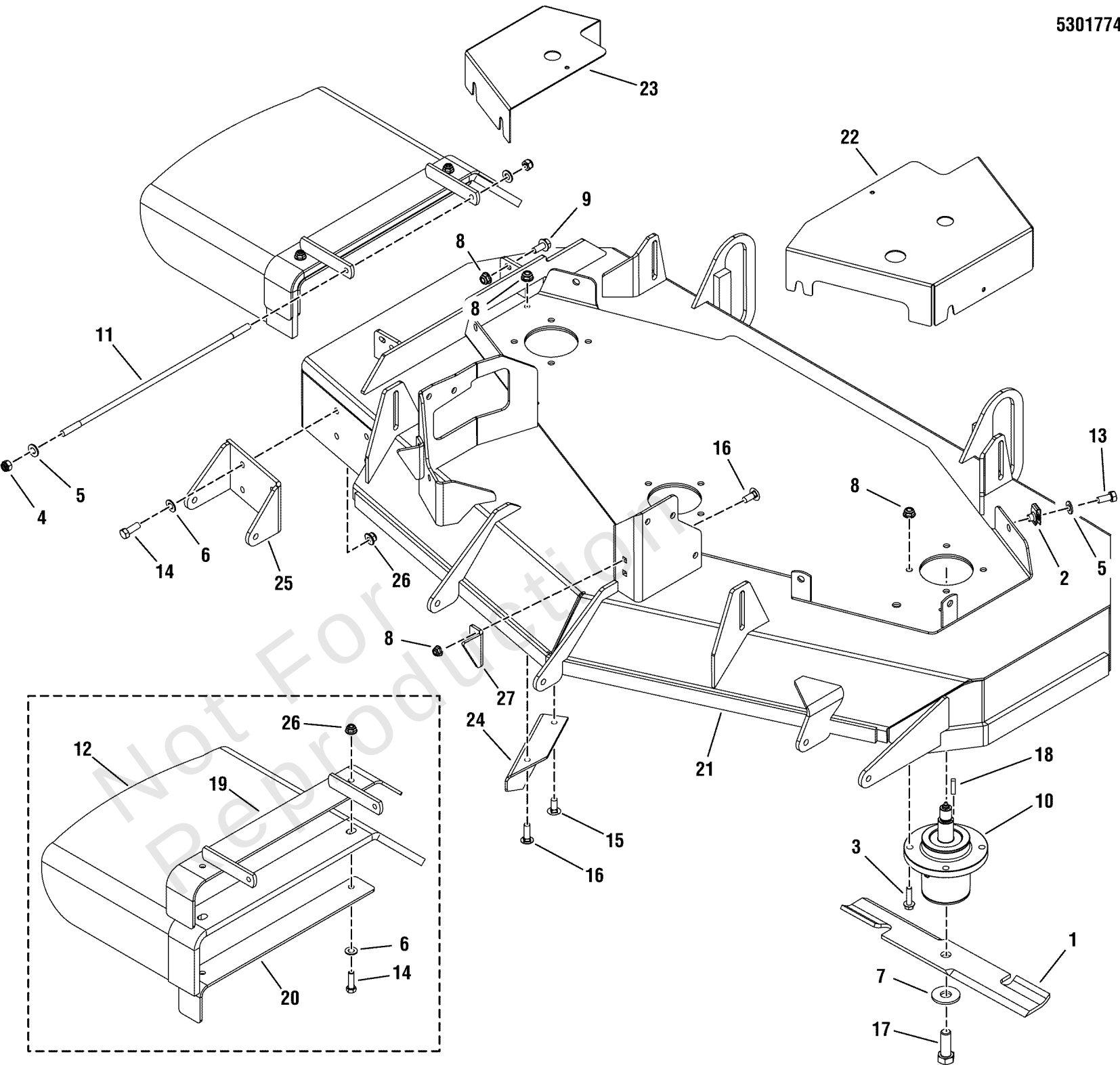
REF NO	PART NO	QTY	DESCRIPTION
1	5050878X3	2	CHAIN, 5/16 GD30, 3 LINKS
2	5025084	2	NUT, 3/8-16 HEX JAM
3	5025128	10	NUT, 3/8-16 HEX SERRATED FLANGE
4	5025156	16	WASHER, 3/8 SAE
5	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
6	5025013X14	6	BOLT, 3/8-16 X 1-3/4" GD5 CZ
7	5050878X2	2	CHAIN, 5/16 GD30, 2 LINKS
8	5025055X16	2	BOLT, 5/16-18 X 2 GD5 TFL
9	5025214X9	2	PIN, CLEVIS, 3/8 X 1-1/8
10	5025203X6	2	PIN, COTTER, 1/8 X 3/4
11	5025032	2	NUT, 5/16-18 HEX
12	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
13	5100375	2	CLEVIS, 5/16-18, 3/8 PIN HOLE

52" Mower Deck - Housing, Covers, Spindles & Blades

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301774



52" Mower Deck - Housing, Covers, Spindles & Blades

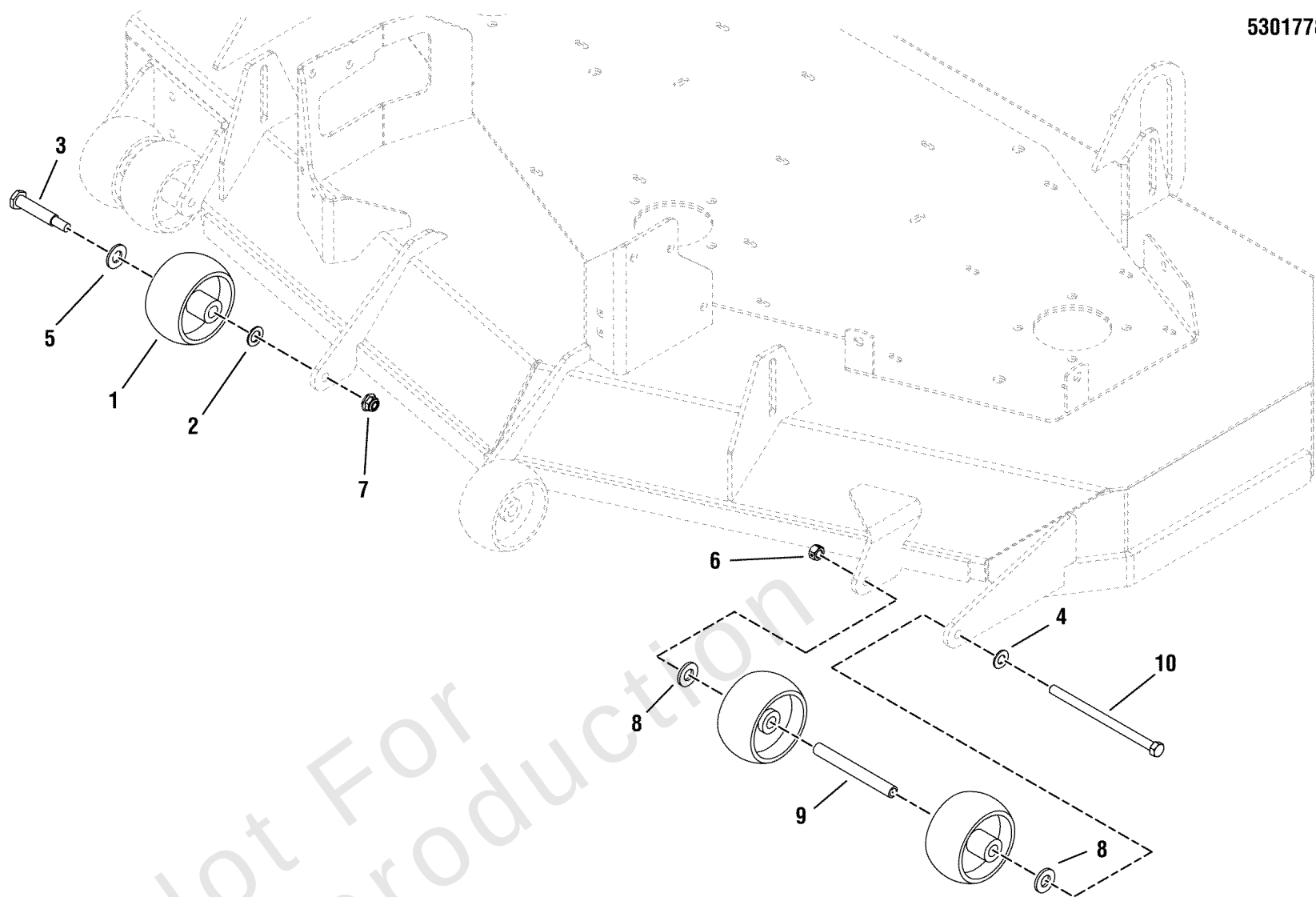
REF NO	PART NO	QTY	DESCRIPTION
1	5101756S	1	BLADE, 18 X .25 X 2.5, 1 X 3.5 (SET OF THREE)
2	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
3	5023156	12	BOLT, Flange Head, 5/16-18 x 1-1/4
4	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
5	5025155	8	WASHER, 5/16" SAE
6	5025156	7	WASHER, 3/8 SAE
7	5025477	3	WASHER, BLADE BOLT, 9/16" F436, CZ
8	5025392	19	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
9	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
10	5061095	3	SPINDLE, ASSM, ALUMINUM - 5.25 -(Nut and Washer Sold Seperately)
11	5061300	1	ROD, MOUNT, CHUTE, 61, CZ
12	5402403	1	CHUTE, DISCHARGE, RUBBER, 61/72, BENT
13	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
14	5025013X10	7	BOLT, 3/8-16 X 1-1/4" GD5 CZ
15	5025145X6	1	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
16	5025145X8	5	BOLT, 5/16-18 X 1, CARRIAGE, GD5, CZ
17	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8 -- TORQUE TO 70ft LBS. (94 Nm)
18	5050407X10	3	KEY, 1/4" SQ. X 1-1/4
19	5405756B	1	WELD, FRAME, CHUTE, 52 - RED
20	5402360A	1	SUPPORT, DISCHARGE CHUTE, 61/72 - BLK
21	5600742	1	DECK SHELL W/ DECALS, 52, EVO -(5405179B)
22	5405239B	1	GUARD, LH PULLEY, EVO 52 - RED
23	5405240B	1	GUARD, 52 MOWER DECK, RH - RED
24	5405557A	1	PLATE, DEFLECTOR, 52 DECK - BLK
25	5408810B	1	PLATE, BRACKET, ANTI SCALP, RH - 61 -RED
26	5025394	7	NUT, 3/8 - 16 HEX NYLOCK FLANGE
27	5405103B	2	PLATE, DECK STOP, EVO 48 - RED

52" Mower Deck - Rollers

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301778



52" Mower Deck - Rollers

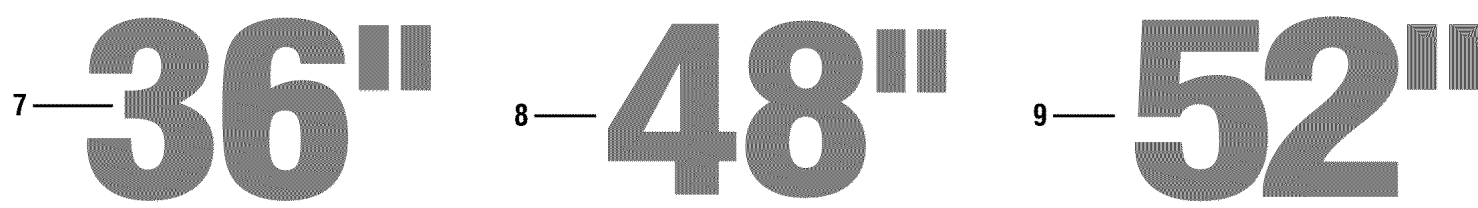
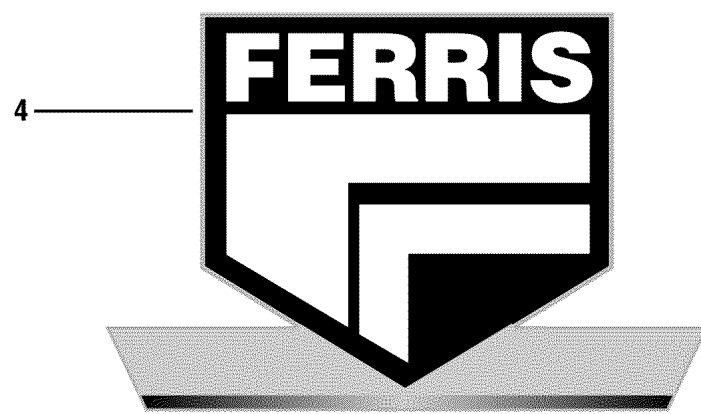
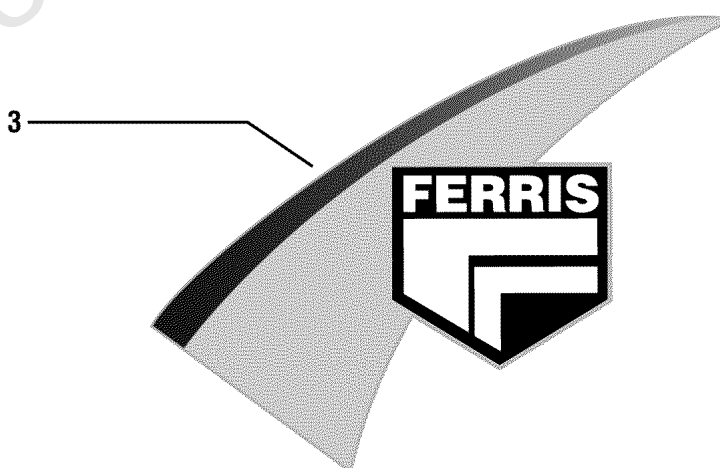
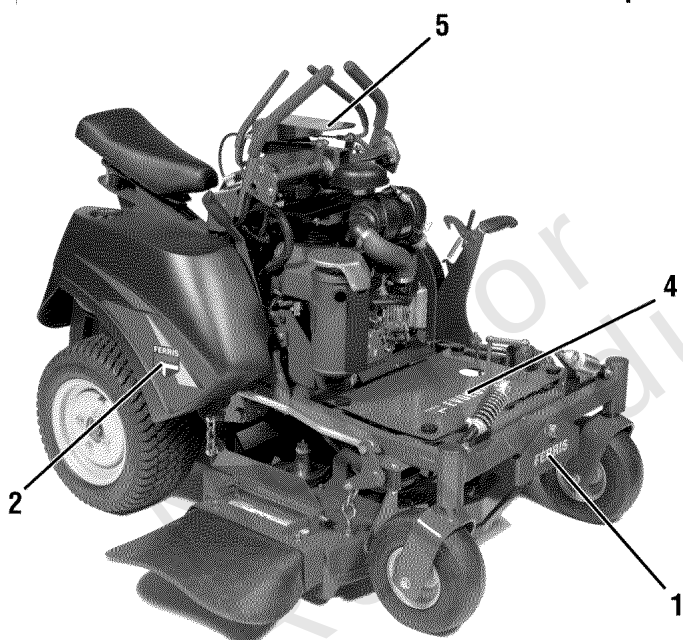
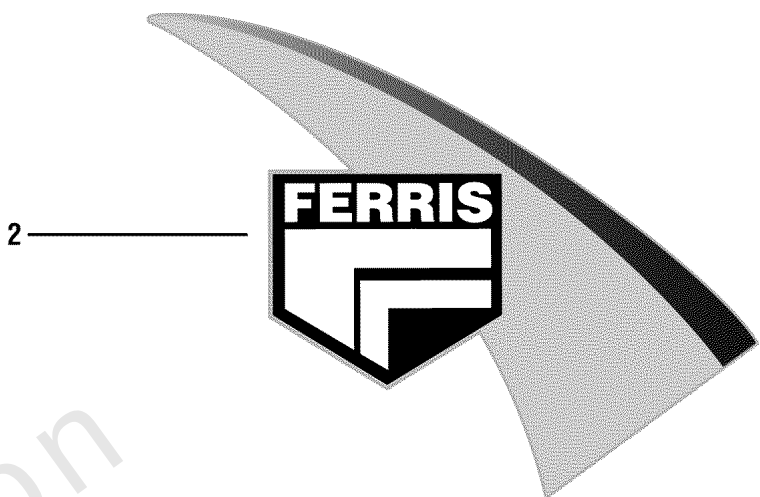
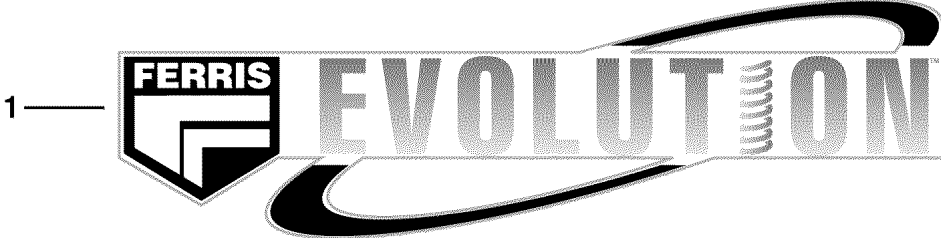
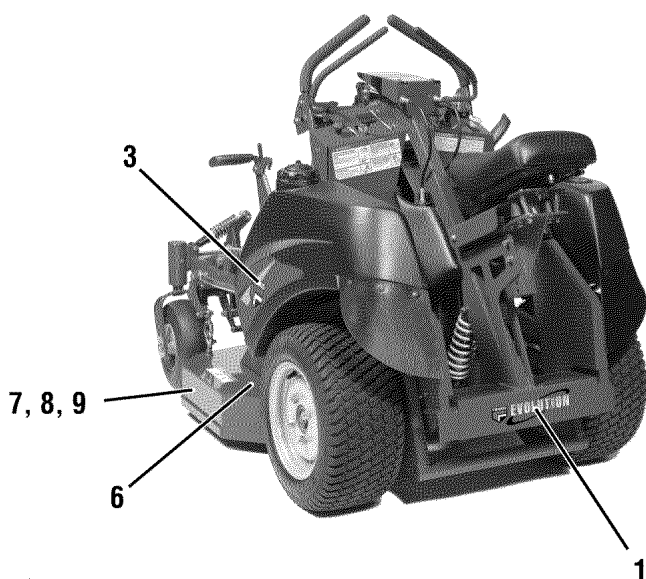
REF NO	PART NO	QTY	DESCRIPTION
1	1714760	6	WHEEL- 2.00 WIDE 3.88 DIA 0.531ID POLY
2	80003590	2	WASHER,.516IDX.875ODX.06,FLAT,ZC/CL
3	2108765	2	BOLT-WHEEL 3/8-16X2.781 .750 THRD YELLOW
4	5025156	2	WASHER, 3/8 SAE
5	5025158	2	WASHER, 1/2 SAE
6	5025100	2	NUT, 3/8-16 HEX SIDE LOCK
7	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
8	5025440	4	WASHER, 1/2 GD9 YZ
9	5046586	2	SPACER, .38 X .50 X 5.06
10	5025013X48	2	BOLT, 3/8-16 X 6" GD5 CZ

Decal Group - Brand

Note: Unless noted otherwise, use the standard torque specifications

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5301672B



Decal Group - Brand

REF NO	PART NO	QTY	DESCRIPTION
1	5101876	2	DECAL, EVO, REAR CHARIOT
2	5101923	1	DECAL, BADGE, EVO, RH
3	5101921	1	DECAL, BADGE, EVO, LH
4	5100344	1	DECAL, FERRIS, FRONT, 8.78 X 5.81
5	5102021	1	DECAL, EVOLUTION, LOGO
6	5102210	1	DECAL, iCD CUTTING SYSTEM -(52" MODELS)
7	5101322	1	DECAL, 36 -(36" MODELS)
8	5022811	1	DECAL, 48 -(48" MODELS)
9	5022812	1	DECAL, 52 -(52" MODELS)

Decal Group - Safety & Operations

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301672S

1, 2, 3, 4, 5, 6, 7, 8

9, 10, 11, 12, 13

1

⚠ DANGER

Operating in steep slopes can cause lifting and loss of steering, control and balance. Do not operate on slopes greater than 15 degrees. Do not operate on slopes greater than 15 degrees. Do not operate on slopes greater than 15 degrees.

2

⚠ PELIGRO

Operar en pendientes pronunciadas puede causar pérdida de dirección, control y equilibrio. No operar en pendientes mayores de 15 grados. No operar en pendientes mayores de 15 grados. No operar en pendientes mayores de 15 grados.

3

⚠ DANGER

AMPUTATION HAZARD

To avoid injury from rotating blades, stay clear of deck edge.

4

⚠ PELIGRO

PELIGRO DE AMPUTACIÓN

Para evitar lesiones causadas por las cuchillas, mantenerse alejado del borde de la plataforma de corte.

4

⚠ DANGER

AMPUTATION AND THROWN OBJECTS HAZARD

To avoid injury from rotating blades, stay clear of deck edge and keep others away. Do not mow without discharge chute or entire grass catcher in place.

5

⚠ PELIGRO

PELIGRO DE AMPUTACIÓN Y OBJETOS ARROJADOS

Para evitar sufrir lesiones causadas por las cuchillas giratorias y objetos lanzados, mantenerse alejado del borde de la plataforma de corte y mantener a las demás personas alejadas de la máquina. No usar la máquina sin el tubo de descarga o sin el recogedor de pasto en su lugar.

5

⚠ DANGER

Operating in steep slopes can cause lifting and loss of steering, control and balance. Do not operate on slopes greater than 15 degrees. Do not operate on slopes greater than 15 degrees. Do not operate on slopes greater than 15 degrees.

6

⚠ PELIGRO

Operar en pendientes pronunciadas puede causar pérdida de dirección, control y equilibrio. No operar en pendientes mayores de 15 grados. No operar en pendientes mayores de 15 grados. No operar en pendientes mayores de 15 grados.

7

⚠ DANGER

Operating in steep slopes can cause lifting and loss of steering, control and balance. Do not operate on slopes greater than 15 degrees. Do not operate on slopes greater than 15 degrees. Do not operate on slopes greater than 15 degrees.

8

⚠ PELIGRO

Operar en pendientes pronunciadas puede causar pérdida de dirección, control y equilibrio. No operar en pendientes mayores de 15 grados. No operar en pendientes mayores de 15 grados. No operar en pendientes mayores de 15 grados.

9

⚠ WARNING

HOT CALIENTE

⚠ ADVERTENCIA

10

⚠ WARNING

HYDRAULIC OIL RESERVOIR

USE EITHER:
MOBIL 1™
15W-50 OIL
- OR -
CASTROL SYNTEC™
5W-50 OIL

DO NOT USE CONVENTIONAL OILS!

11

⚠ WARNING

Read operator's manual(s).

Know location and function of all controls.

Keep safety devices (guards, shields & switches) in place and working.

Remove objects that can be thrown by the blade.

Do NOT mow when children or others are around.

NEVER carry children, even with blades off.

Look down and behind - before and while backing.

Avoid sudden turns.

Go across slopes, NOT up and down.

If machine stops forward motion on a slope, stop the blades and drive slowly off the slope.

Be sure blades and engine are stopped before placing hands or feet near blades.

When leaving machine, shut off engine, remove key, and set parking brake.

Do NOT operate this machine unless you are trained.

Operating on slopes can be hazardous.

12

⚠ ADVERTENCIA

Lea el o los manuales del operador.

Conozca la ubicación y la función de cada uno de los controles.

Mantenga los dispositivos de seguridad (guardas, pantallas e interruptores) en su lugar y funcionando.

Retire objetos que puedan ser arrojados por la cuchilla.

NO pade al césped si hay niños u otras personas alrededor.

NUNCA lleve niños, ni siquiera con las cuchillas apagadas.

Mire hacia abajo y hacia atrás, antes de echarse en reversa y al hacerlo.

Evite dar vueltas bruscas.

Vaya de un lado a otro por la cuesta, NO de arriba hacia abajo y viceversa.

Si la máquina detiene el avance en una cuesta, detenga las cuchillas y conduzca lentamente hasta salir de ella.

Asegúrese de detener las cuchillas y el motor antes de acercarse a las manos o los pies a las cuchillas.

Cuando deje la máquina, apague el motor, quite la llave y ponga el freno de mano.

NO opere esta máquina a menos que esté capacitado para ello.

Operar la podadora en cuestas puede ser peligroso.

Decal Group - Safety & Operations

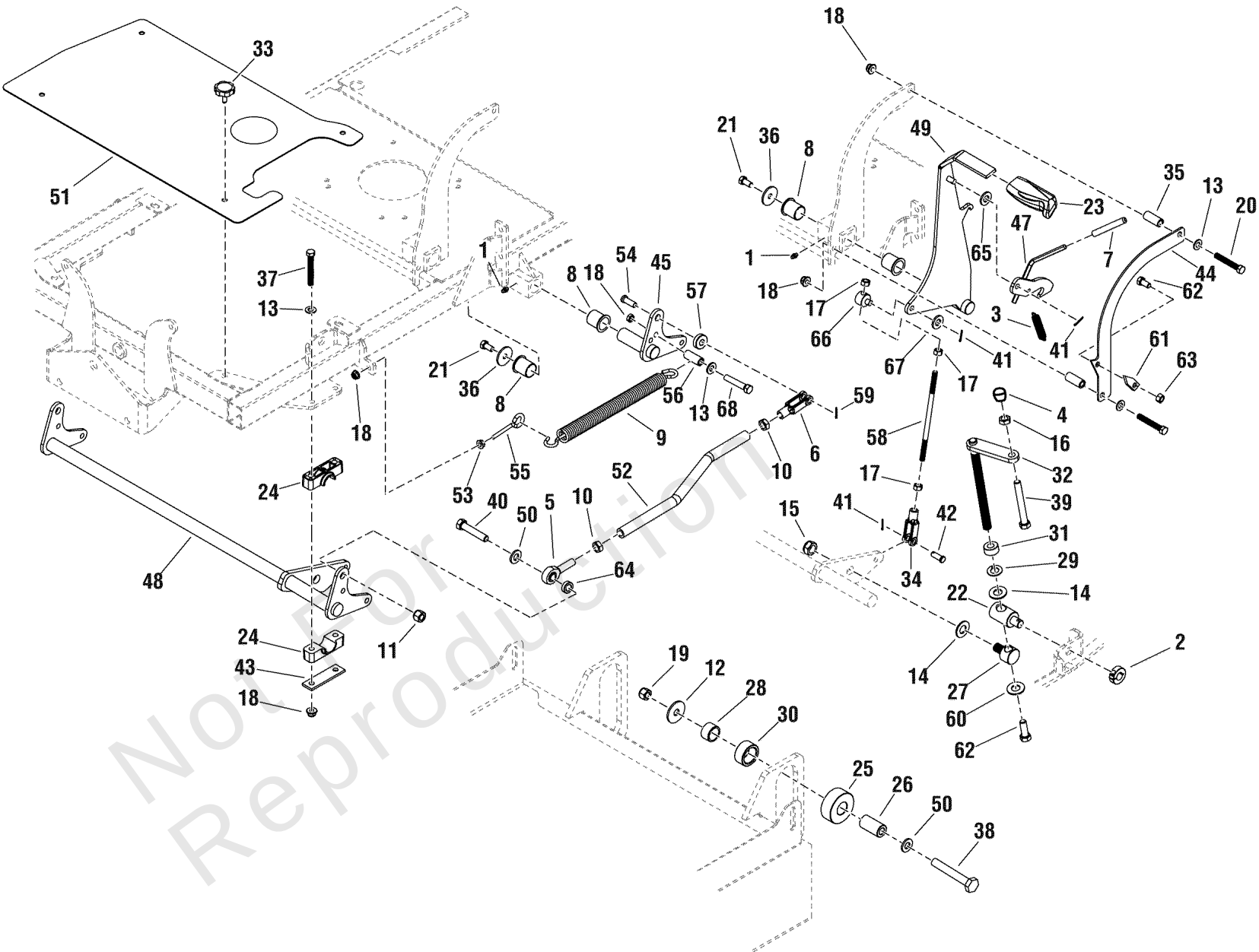
REF NO	PART NO	QTY	DESCRIPTION
1	5101873	1	DECAL, MAIN SAFETY, EVOLUTION
2	5101874	1	DECAL, MAIN SAFETY, EVOLUTION (SP)
3	5100088	1	DECAL, DANGER, MOWER
4	5101292	1	DECAL, DANGER, MOWER DISCHARGE, 8.75X2.13
5	5100280	1	DECAL, THROTTLE CONTROL
6	5048970	1	DECAL, IGNITION SWITCH
7	5048454	1	DECAL, OIL RESEVOIR -(ON MOUNTING PLATE INSIDE FENDER)
8	1725941	1	DECAL, CZT HYDRO RELEASE
9	5101891	1	DECAL, MOTION CONTROL GUARD, EVOLUTION
10	5101925	1	DECAL, DECK HEIGHT, EVOLUTION, 36" -(36" MODELS ONLY)
11	5101966	1	DECAL, FUSE LOCATION -(UNDER INSTRUMENT CONTROL PANEL)
12	5101944	1	DECAL, DECK HEIGHT, EVOLUTION, 48"
13	5100387	1	DECAL, WARNING, HOT

Deck Lift Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301817



Deck Lift Group

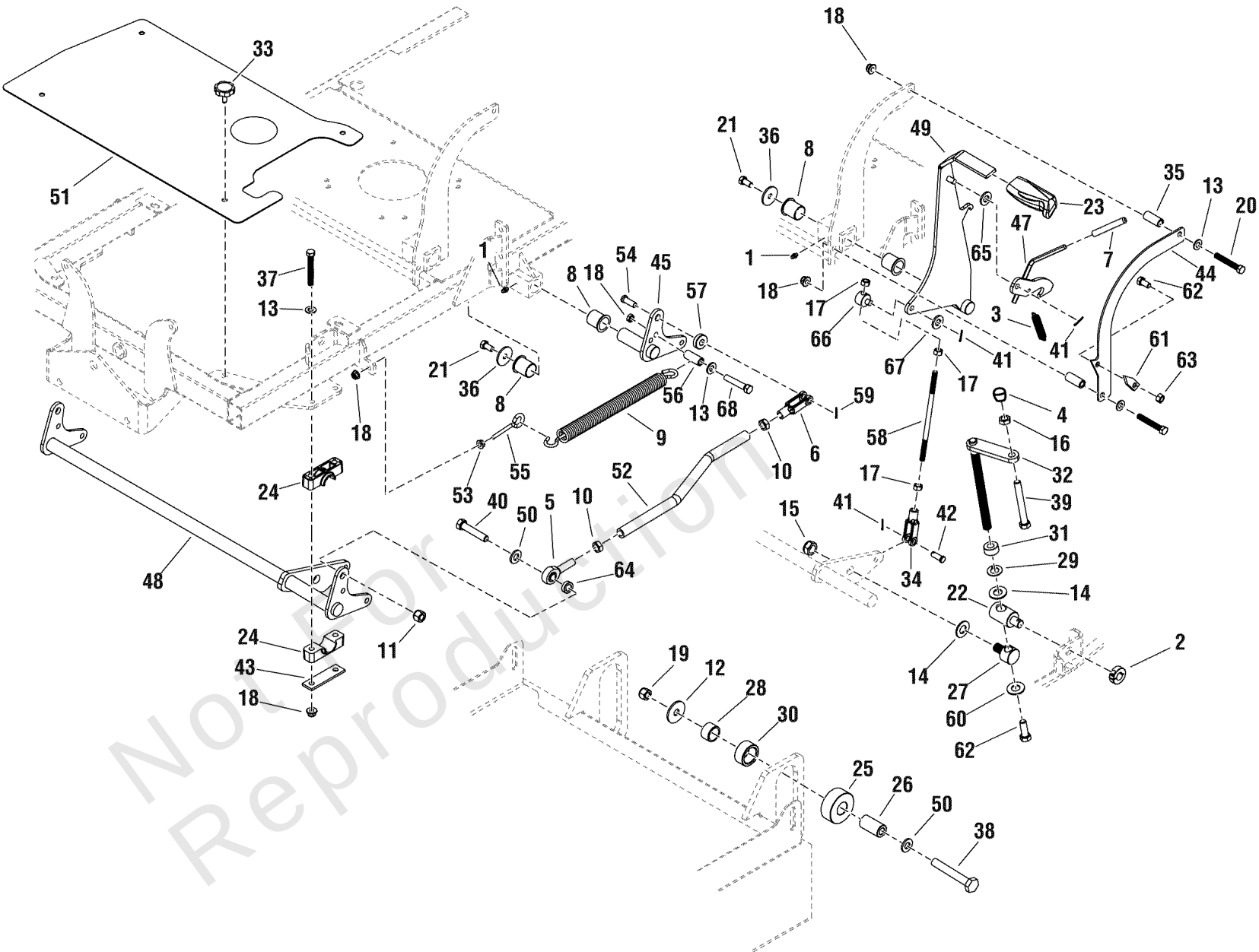
REF NO	PART NO	QTY	DESCRIPTION
1	5020095	3	GREASE FITTING, 1/4-28 STRAIGHT
2	5020441	1	COLLAR, 5/8 SPLIT
3	5020639	1	SPRING, EXTENSION
4	5021733	1	KNOB, PLASTIC, 1/2-13
5	5022434	2	BALL JOINT, 1/2-20, MALE
6	5023174	2	CLEVIS, 1/2-20, STEEL
7	5023198	1	COVER, VINYL HANDLE
8	5023343	6	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
9	5023355	2	SPRING, DECK LIFT ASSIST
10	5025089	4	NUT, 1/2-20 HEX JAM
11	5025098	2	NUT, Hex, Nylon Lock, 1/2-20
12	5025150	2	WASHER, 1/2 USS
13	5025156	9	WASHER, 3/8 SAE
14	5025281	2	WASHER, 5/8 SAE
15	5025282	1	NUT, 5/8-11 HEX JAM NYLON LOCK
16	5025301	1	NUT, 1/2-13 HEX JAM
17	5025309	3	NUT, 3/8-24 HEX JAM
18	5025394	10	NUT, 3/8-16 HEX NYLOCK FLANGE
19	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
20	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
21	5025443	3	BOLT, 3/8-16 X 3/4, PLT W/PATCH
22	5045856	1	PIVOT, SPRING ROD
23	5100171	1	GRIP, BLACK FLEXIBLE
24	5100634	4	PIVOT BLOCK, PLASTIC
25	5100646	2	GUIDE, DECK - TWR
26	5100689	2	SPACER, .52 X 1.00 X 1.88 - SS
27	5100803	1	PIVOT, DECK LIFT
28	5100809	2	BUSHING, SLEEVE, 1.00 X 1.25 X .75
29	5100823	1	WASHER, THRUST, .63 X 1.13 X .06
30	5100826	2	ROLLER, 1.256 X 1.75 X .813
31	5100836	1	SPACER, .64 X 1.13 X .63
32	5101729	1	HANDLE, CRANK, COMPACT RIDER
33	5101731	4	KNOB, 5/16-18 X 1.00, ROSETTE, BLK
34	5101800	1	CLEVIS, 3/8-24 RH, 3/8" PIN HOLE
35	5101933	2	SPACER, .39 X .63 X 1.00, YZ
36	5101964	3	WASHER, .390 X 1.38 X .109, YZ
37	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
38	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
39	5025017X44	1	BOLT, 1/2-13 X 5-1/2 GD5 YZ
40	5025018X18	2	BOLT, 1/2-20 X 2-1/4 GD5 CZ
41	80002736	3	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
42	5025214X9	1	PIN, CLEVIS, 3/8 X 1-1/8
43	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
44	5404116B	1	PLATE, OUTER TRANSPORT BRACKET - RED
45	5404763B	1	WELD, BOOMER, LH - RED
46	5404765B	1	WELD, BOOMER, RH - RED
47	5404820B	1	WELD, DECK LOCK - RED
48	5404840B	1	WELD, DECK LIFT SHAFT, 48 - RED
49	5405548B	1	WELD, DECK LIFT HANDLE - RED
50	5025158	4	WASHER, 1/2 SAE
51	5405409B	1	GUARD, DECK TOP, EVO 52 - RED

Deck Lift Group

Note: Unless noted otherwise, use the standard torque specifications

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5301817



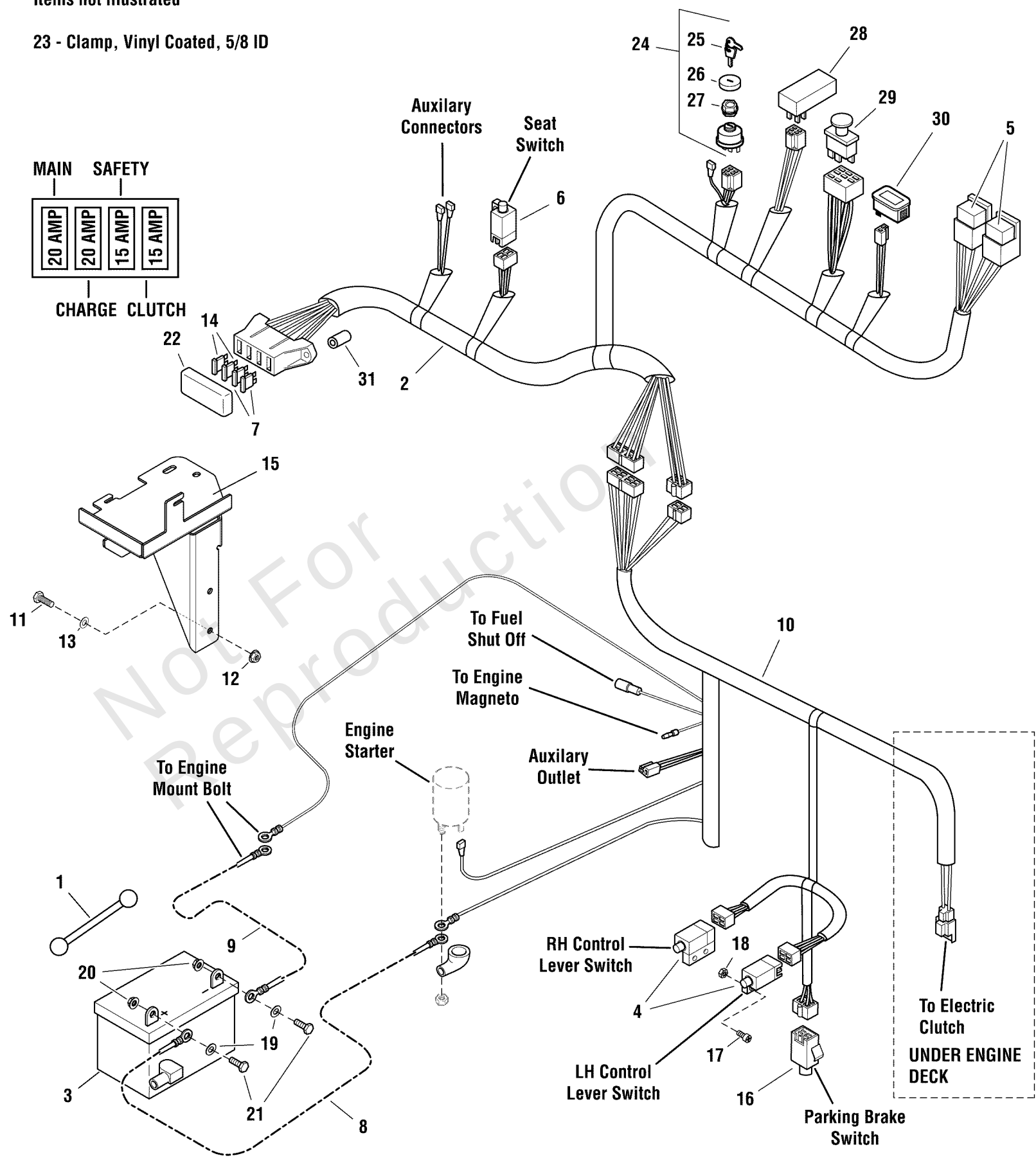
Deck Lift Group

REF NO	PART NO	QTY	DESCRIPTION
52	5101895	2	ROD, DECK LIFT, EVOLUTION 48"
53	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE
54	5025479	2	CLEVIS PIN, 1/2 X 1.36 SAE STANDARD
55	5023497	2	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ
56	5042658	2	SPACER, .38 X .75 X 1.06, YZ
57	5100520	2	SPACER, .52 X 1.00 X .22, PM, CZ
58	5048707	1	ROD, LEVER CONNECTING
59	5025203X6	2	PIN, COTTER, 1/8 X 3/4
60	5025154	2	WASHER, 1/4 SAE
61	5101310	1	POINTER, DECK HEIGHT
62	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
63	5025391	1	NUT, 1/4-20 HEX NYLOCK FLANGE
64	5045023	2	SPACER, .52 X 1.00 X .44
65	5025293	1	WASHER, 3/8 GD.9 FLAT
66	5100985	1	ADJUSTER, BRAKE LINKAGE
67	5025526	1	SHIM, .375 X .625 X .031 THK
68	5025013X20	2	BOLT, 3/8-16 X 2-1/2" GD5 CZ

5301630

Items not illustrated

23 - Clamp, Vinyl Coated, 5/8 ID



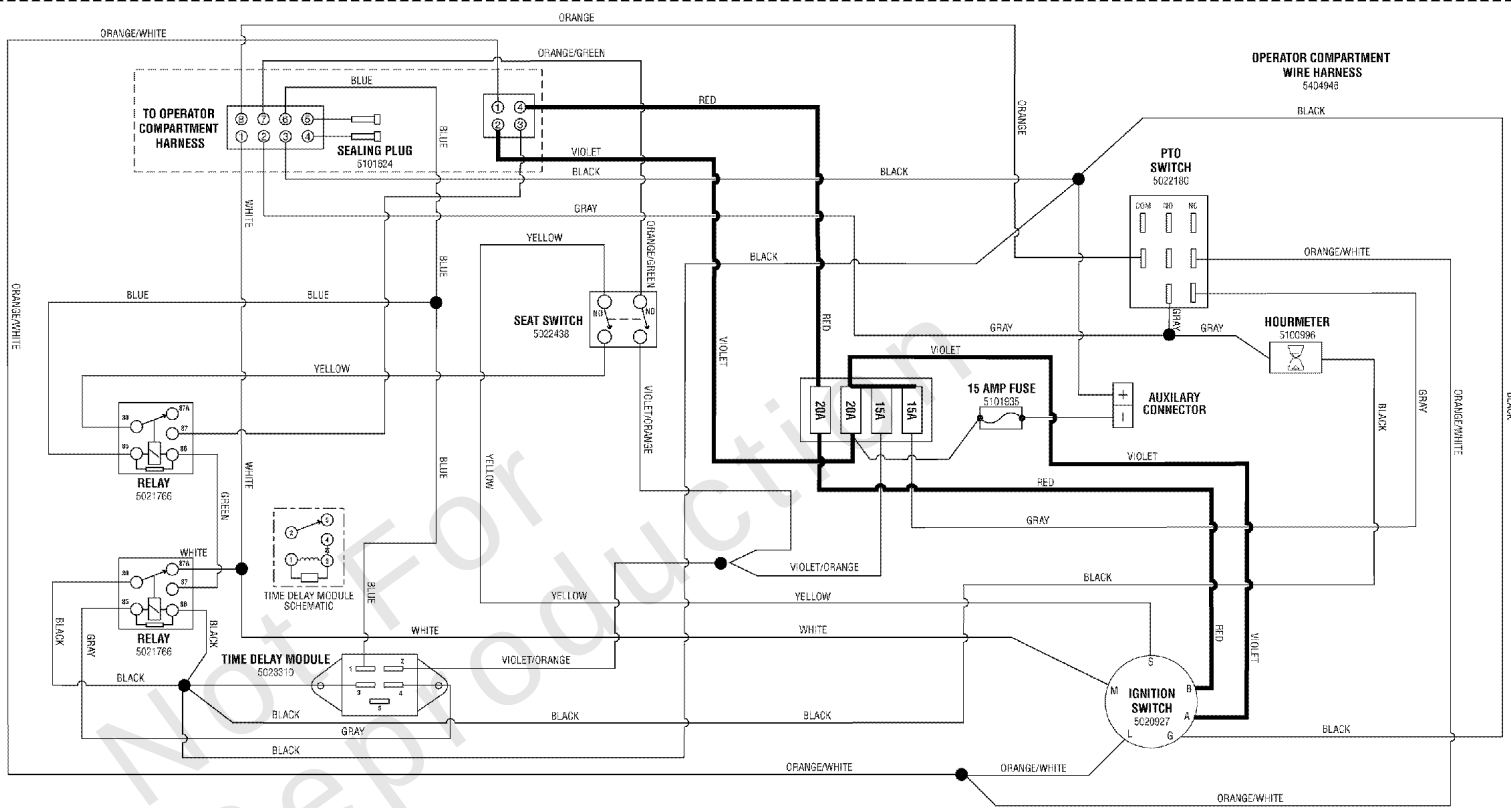
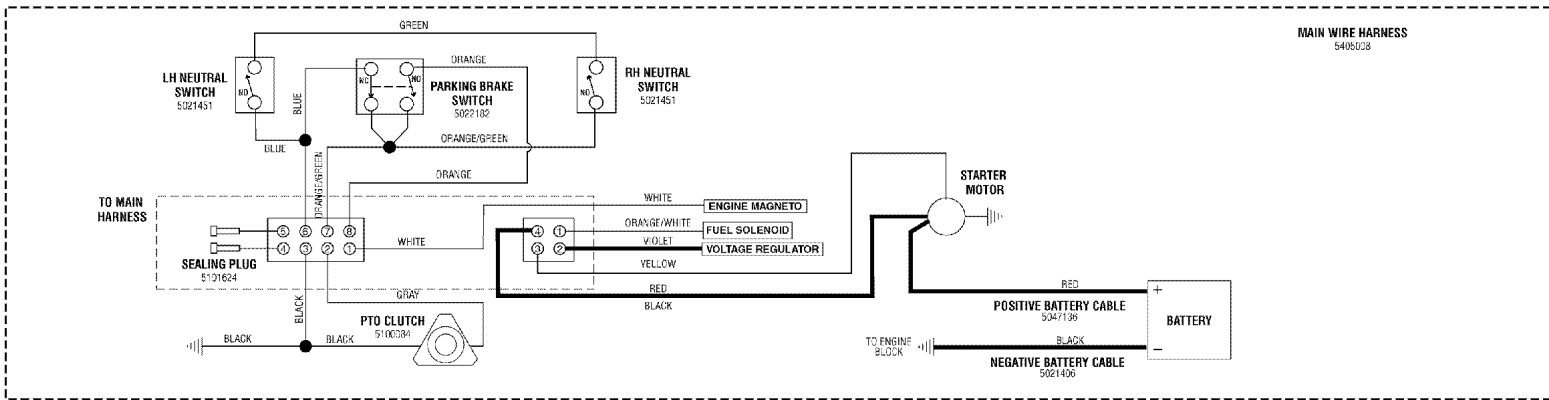
Electrical Group

REF NO	PART NO	QTY	DESCRIPTION
1	1722009	1	STRAP-BLACK RUBB
2	5404946	1	WIRE HARNESS, OPERATOR COMPARTMENT, EVO
3	-----	1	BATTERY, WET (BCIU1, 340 CCA)
4	5021451	2	SWITCH, PLUNGER, N.O.
5	5021766	2	RELAY, 12V, 40A
6	5022438	1	SWITCH, PLUNGER, NO/NO BOLT-ON
7	5101935	2	FUSE, ATO-15 (15 AMP)
8	5021542	1	BATTERY CABLE, POSITIVE, 30"
9	5021406	1	BATTERY CABLE, NEG, 22, 1/4-5/16
10	5405008	1	WIRE HARNESS, MAIN, EVO 48 (48" MODELS)
11	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
12	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025156	2	WASHER, 3/8 SAE
14	5021603	2	FUSE, ATO, 20 AMP
15	5404864B	1	WELD, BATTERY MOUNT - RED (48" MODELS)
16	7022886	1	SWITCH, DP NO/NC SNAP-IN
17	5025179X4	4	SCREW- #10-24 X 1/2 ROUND PHILLIPS
18	5025271	4	NUT, #10-24 HEX NYLON LOCK
19	5025154	8	WASHER, 1/4 SAE
20	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE
21	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
22	5022805	1	COVER, VINYL FUSEBLOCK -(Not illustrated.)
23	5101932	3	CLAMP, VINYL COATED, 5/8 ID -(Not illustrated.)
24	5020927	1	SWITCH, IGNITION, 6 POST -(Includes Ref Nos 25 - 27)
25	5022789	1	KEY, IGNITION MOLDED SET
26	5022790	1	COVER, PLASTIC, SNAP ON
27	5022791	1	PLASTIC NUT
28	5023310	1	MODULE, TIME DELAY
29	5022180	1	SWITCH, BLADE ENGAGEMENT
30	5102417	1	HOUR METER
31	5061763	1	SPACER, .20 X .38 X 1.25

Electrical Schematic - Charging Circuit - Kawasaki FX

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930



Electrical Schematic - Charging Circuit - Kawasaki FX

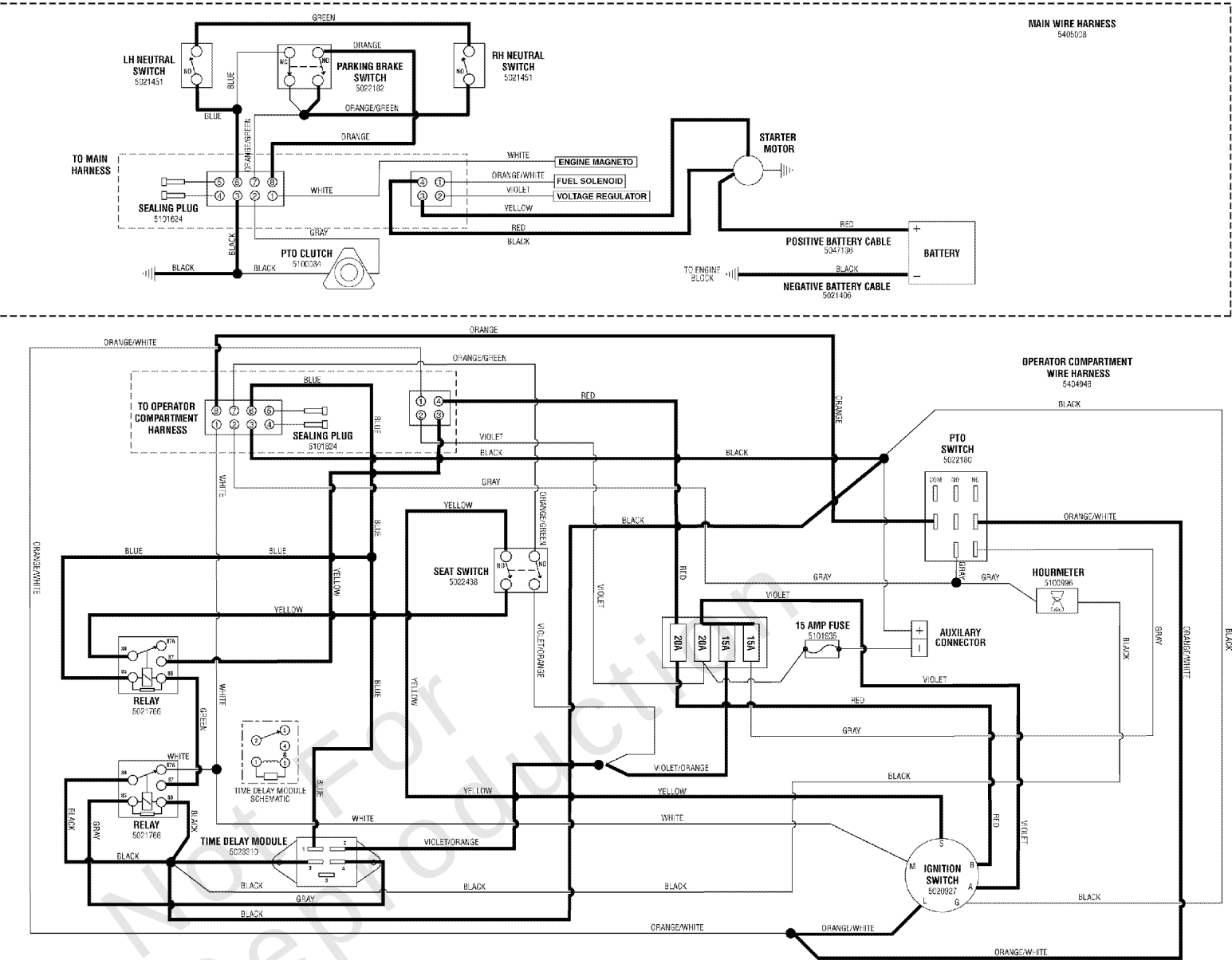
REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

Electrical Schematic - Cranking Circuit - Kawasaki FX

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930



Electrical Schematic - Cranking Circuit - Kawasaki FX

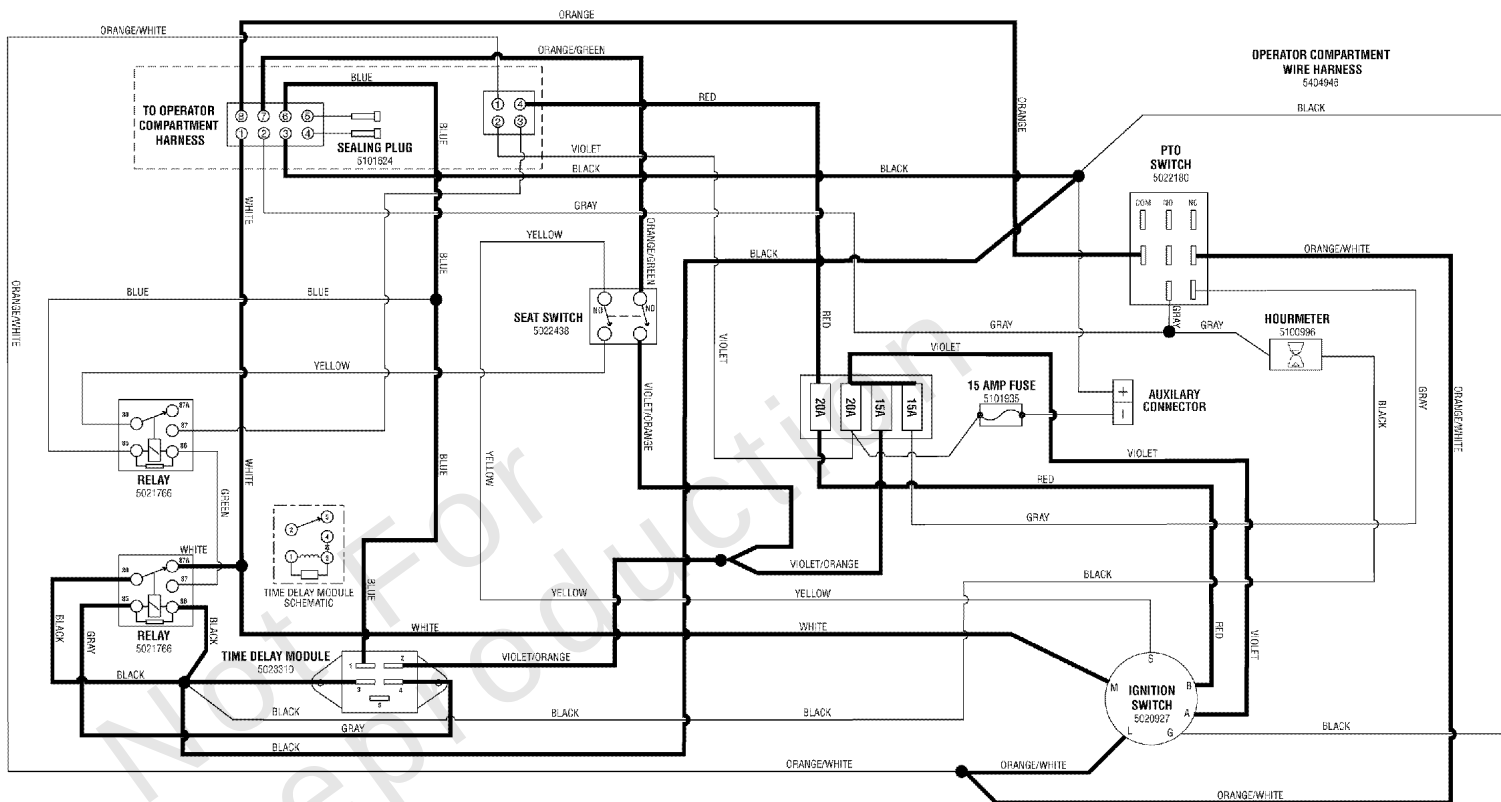
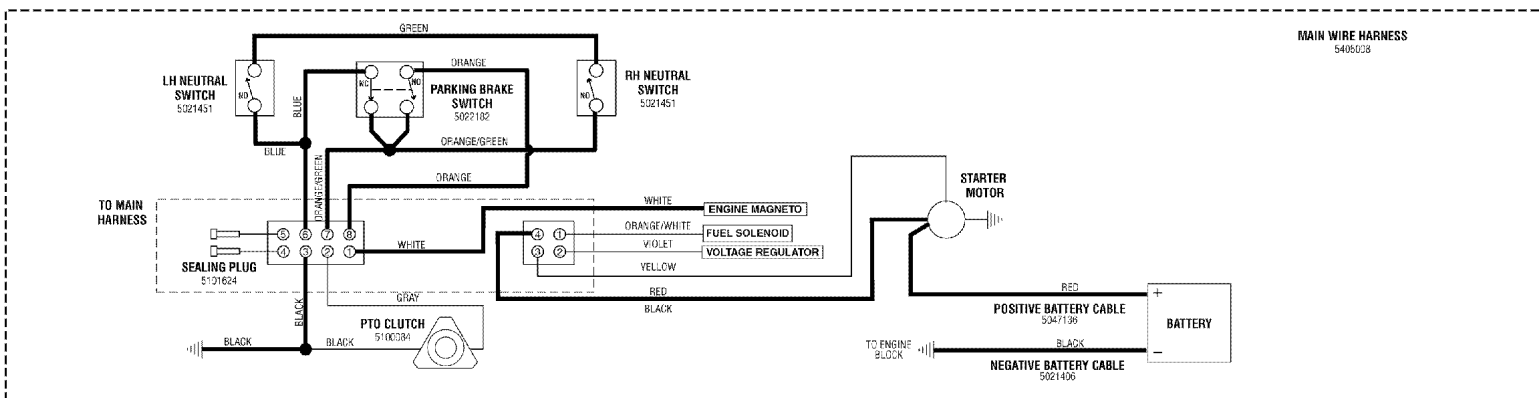
REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

Electrical Schematic - Ignition Grounding Circuit/Operator Presence - Kawasaki FX

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930



Electrical Schematic - Ignition Grounding Circuit/Operator Presence - Kawasaki FX

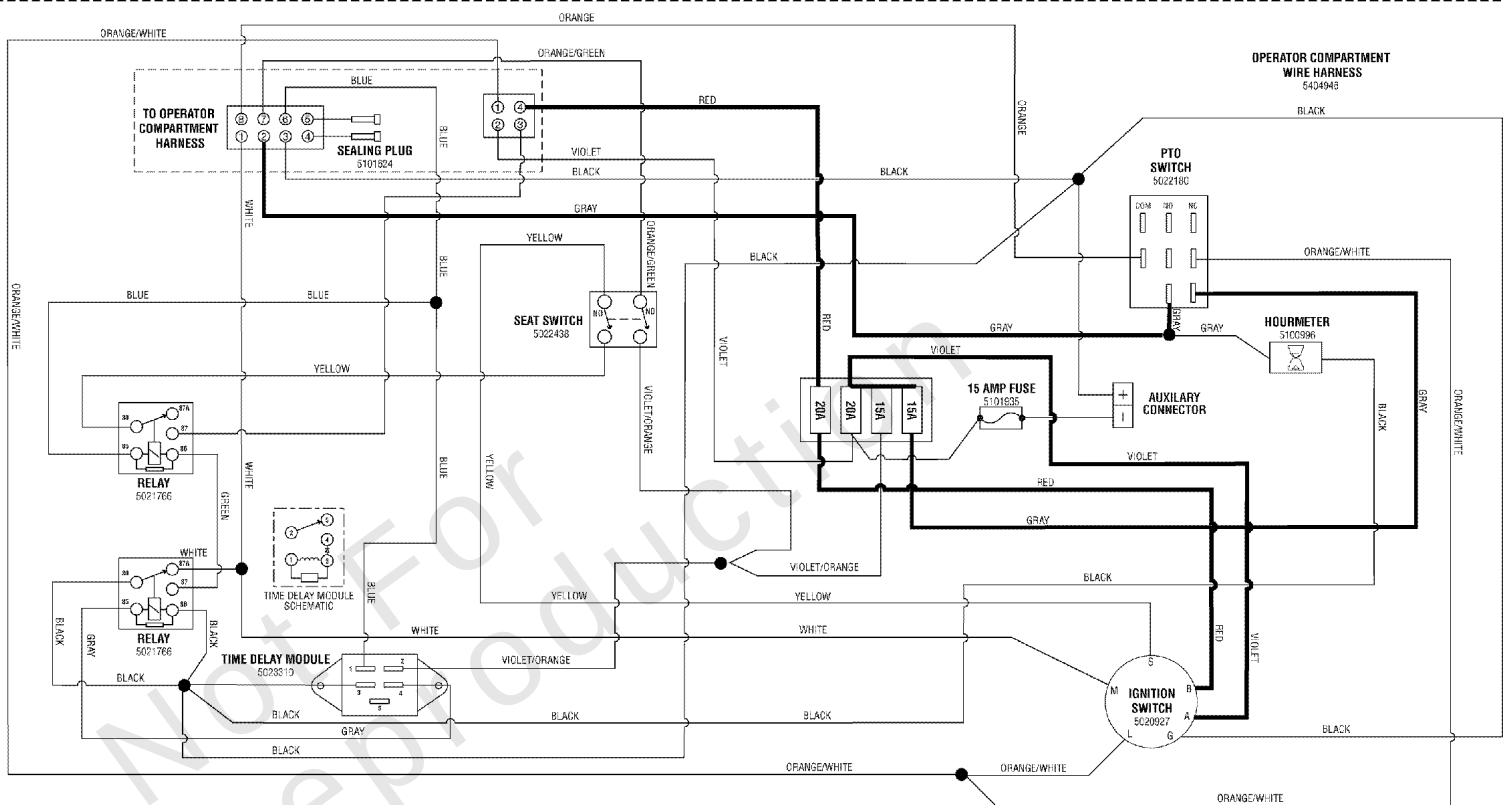
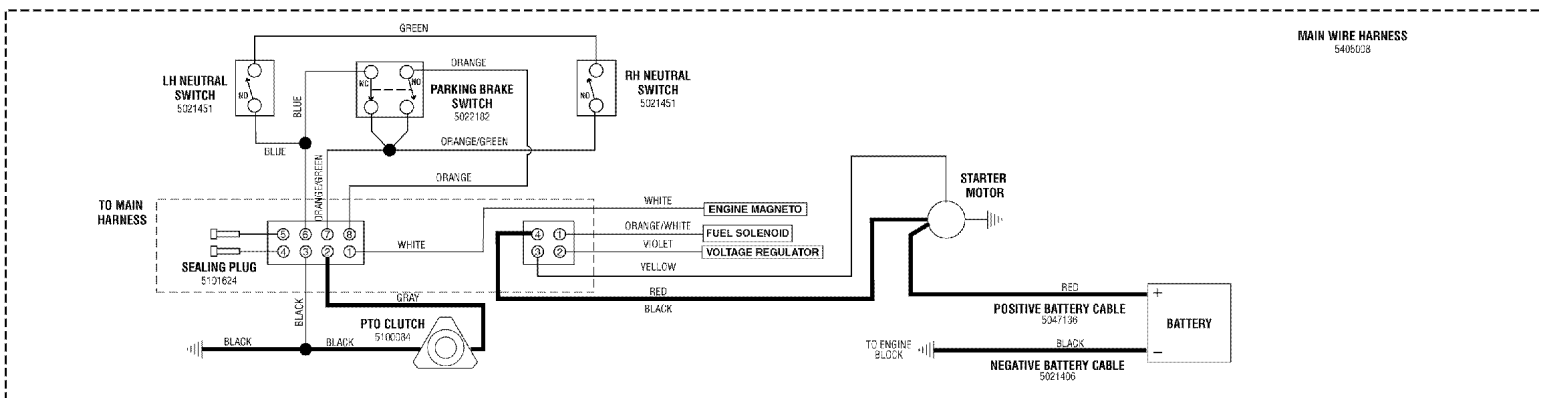
REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - Kawasaki FX

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930



Electrical Schematic - PTO Clutch Circuit - Kawasaki FX

REF NO	PART NO	QTY	DESCRIPTION
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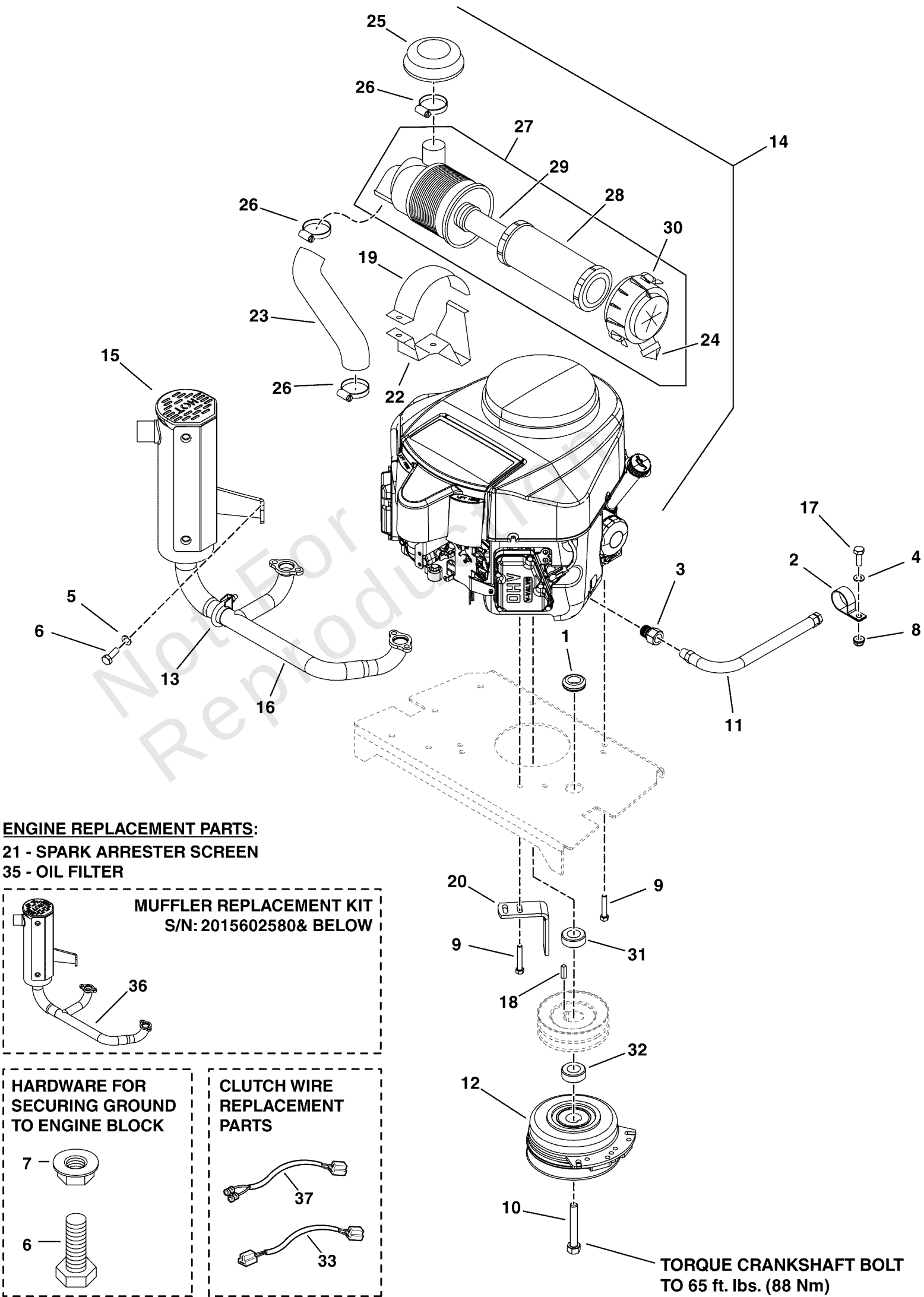
Not For Reproduction

Engine & PTO Group - Kawasaki FX651V & FX730V

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301773



Engine & PTO Group - Kawasaki FX651V & FX730V

REF NO	PART NO	QTY	DESCRIPTION
1	5021379	1	GROMMET, 7/8
2	5021500	1	CLAMP, VINYL INSULATED
3	5022234	1	ADAPTER-OIL DRAIN
4	5025154	1	WASHER, 1/4 SAE
5	5025155	2	WASHER, 5/16" SAE
6	5025249	3	BOLT, M8-1.25 X 20MM GD8.8
7	5025355	1	NUT, M8-1.25 SERR. FLANGE, CZ
8	5025391	1	NUT, 1/4-20 HEX NYLOCK FLANGE
9	5025532	4	BOLT,HEX FLG, SER GD5 3/8-16X1-1/4,PATCH
10	5102864	1	BOLT, CRANKSHAFT, 7/16X2-1/2
11	5048681	1	HOSE, OIL DRAIN
12	5105090	1	* CLUTCH, 5218-134, WARNER
13	5022810	1	CLAMP, EXHAUST EXTENSION
14	-----	1	ENGINE, KAWASAKI
15	5102389	1	MUFFLER -(S/N: 2015602581 & Above)
16	5102390	1	MANIFOLD -(S/N: 2015602581 & Above)
17	5025010X6	1	BOLT, 1/4-20 X 3/4 GD5 YZ
18	5050407X8	1	KEY, 1/4 SQ X 1
19	5101545	1	BRACKET PLATE, UPPER
20	5404967A	1	ANCHOR, CLUTCH - BLK
21	-----	1	NO LONGER AVAILABLE - SCREEN, SPARK ARRESTER
22	5101546	1	BRACKET PLATE, LOWER
23	5101548	1	AIR INLET TUBE
24	5023144	1	RUBBER DUST CAP
25	5101538	1	RAIN COVER
26	5101539	3	CLAMP
27	5101540	1	AIR FILTER ASSEMBLY
28	5101543	1	AIR FILTER, ELEMENT, PRIMARY
29	5101542	1	AIR FILTER, ELEMENT, SECONDARY
30	5101544	1	CAP END, FILTER CASE
31	5047033	1	SPACER, 1.13 X 1.75 X 1.03
32	5044062	1	SPACER, 1.13 X 1.75 X .50
33	5403576	1	WIRE HARNESS, JUMPER, WARNER CLUTCH -(SV - S/N: 2015375705 & Below)
34	5025536	1	NUT, HEX, M8-1.25, CZ, GD 8.8 -(Not Shown)
35	5102278X1	1	FILTER, OIL, KAWASAKI
36	5600597	1	KIT, MUFFLER & MANIFOLD -(S/N: 2015602580 & Below)
37	5600575	1	KIT, CLUTCH WIRE REPAIR -(SV - S/N: 2015375706 & Above)

Footnotes:

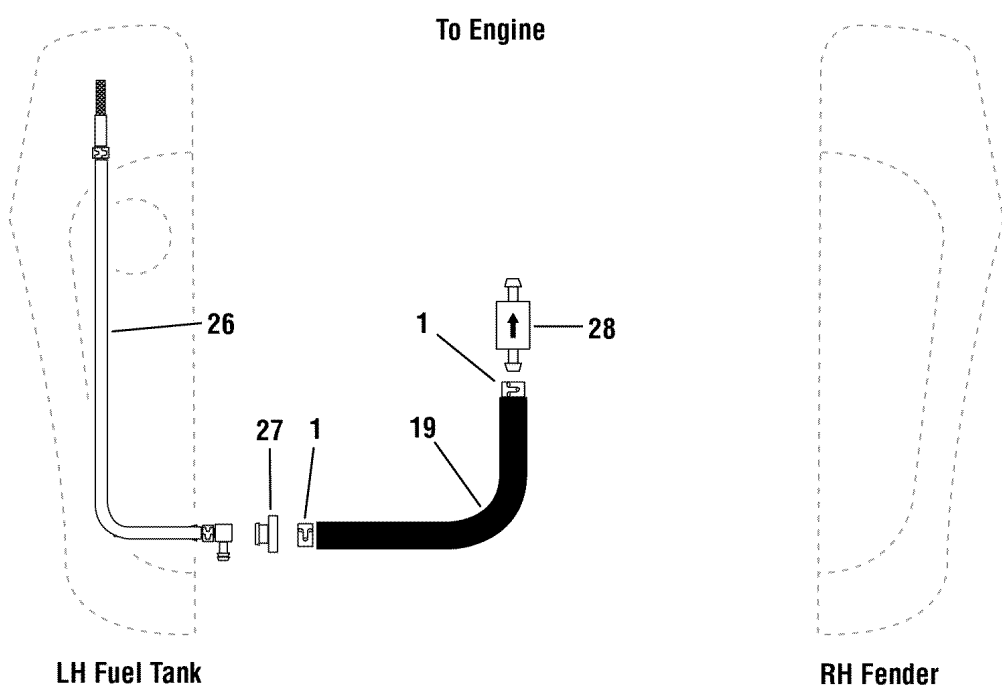
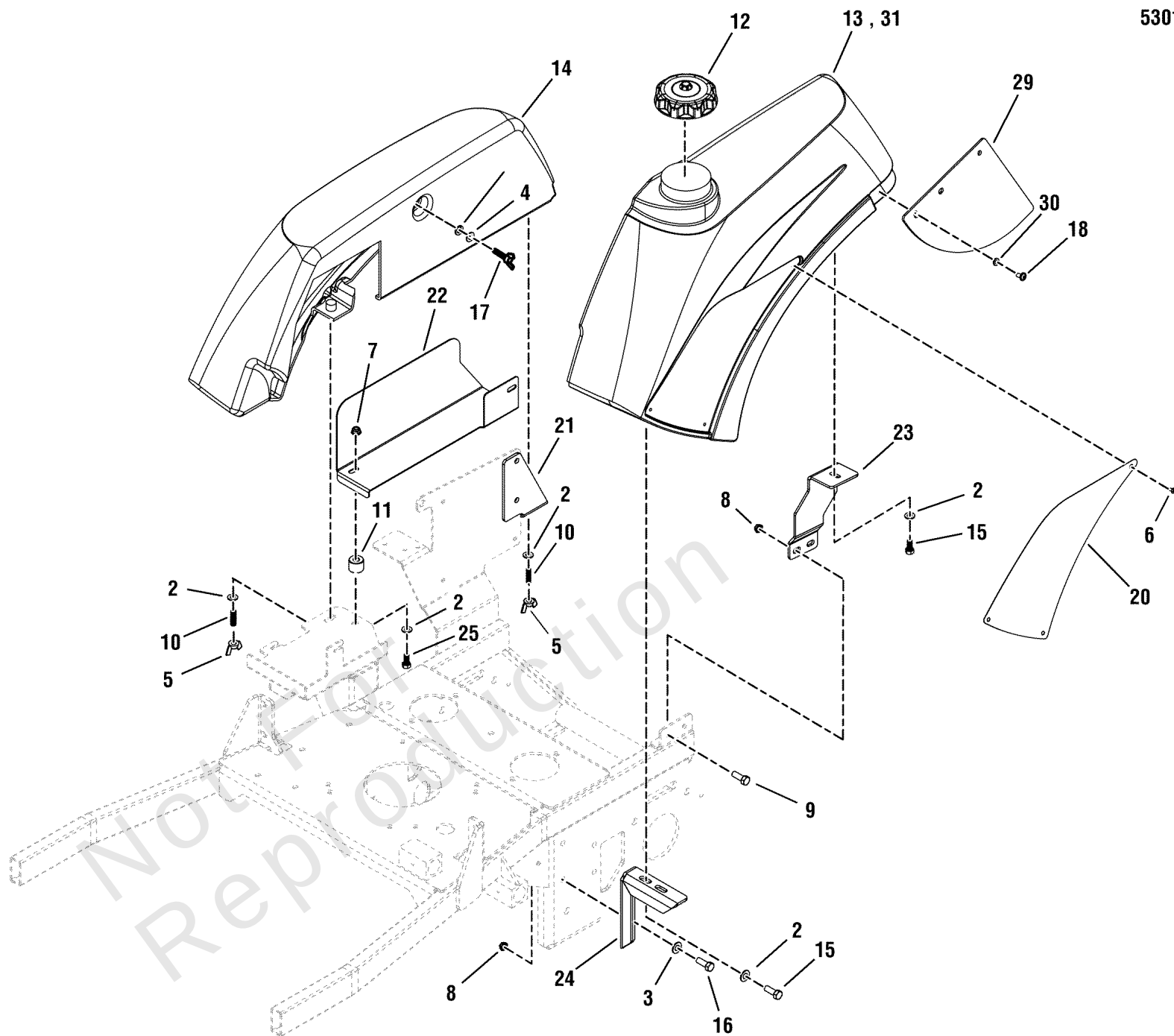
* For models S/N: 2015375705 & Below, when replacing the clutch, the jumper harness (#5403576) is required.

Fuel Tank Mount & Supply Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301818



Fuel Tank Mount & Supply Group

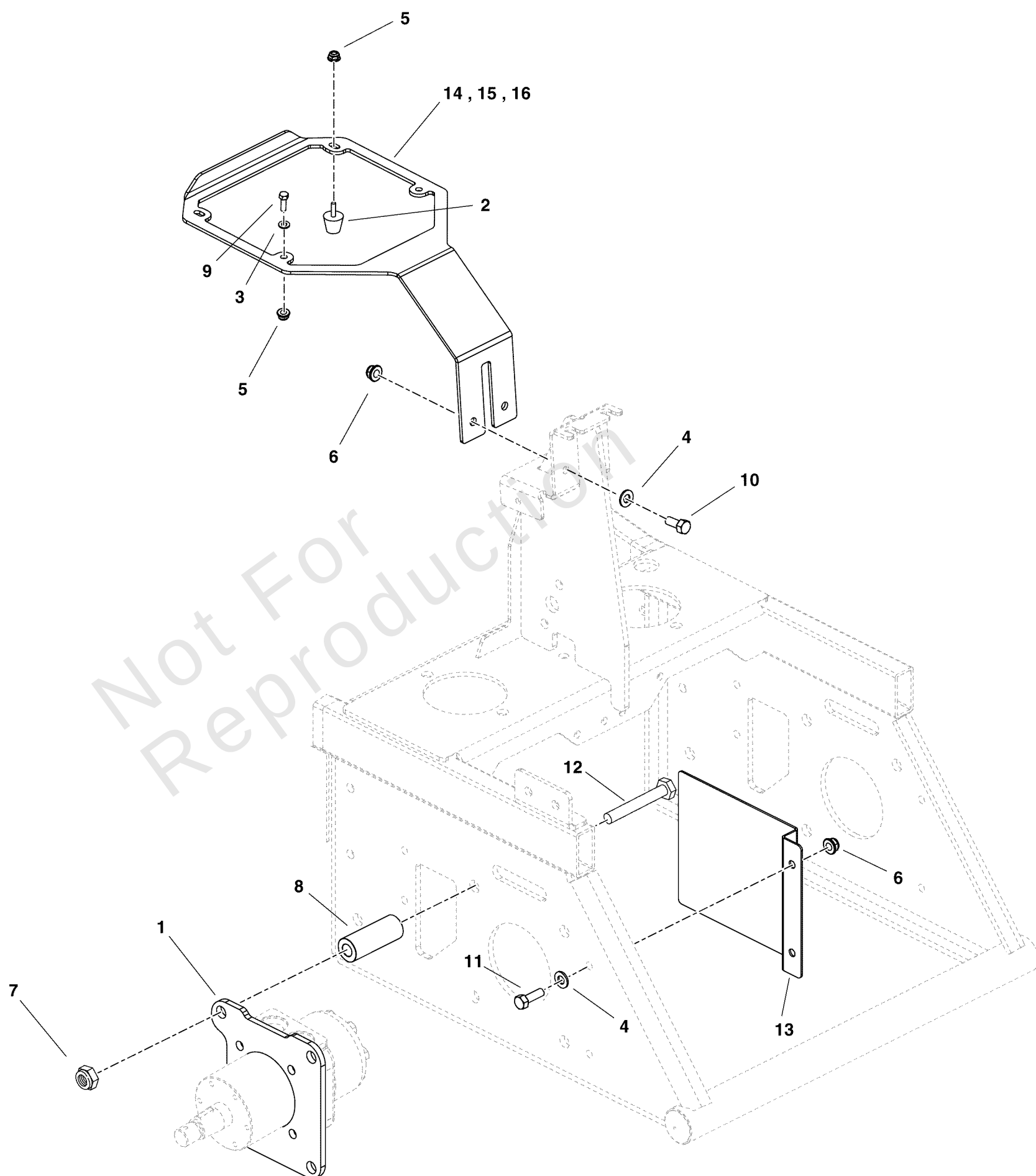
REF NO	PART NO	QTY	DESCRIPTION
1	93807	2	CLAMP, HOSE, EXTERNAL, 1/2 - RED
2	5025155	7	WASHER, 5/16" SAE
3	5025156	4	WASHER, 3/8 SAE
4	5025170	4	WASHER, 5/16 LOCK CZ
5	5025277	2	NUT, 5/16-18 WING NYLON LOCK
6	5025386	6	SCREW, #10-24 X 3/8 ALLEN BHBZ
7	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE
8	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
9	5025501	2	SCREW, BUTTON HD. SOC CAP, 3/8-16X1. BZ
10	5025530	2	SOC SET SCREW, 5/16-18 X 1-1/2 SS
11	5046446	1	SPACER, .39 X 1.00 X .80
12	5101651	1	CAP, GASOLINE, VENTED -(S/N: 2015235971 & Below)
12	5103005	1	FUEL CAP, 3-1/2", MANAGED VENT OUT, 12" -(S/N: 2015235972 & Above)
13	5102019	1	FUEL TANK, EVOLUTION, 48/52 -(S/N: 2015235971 & Below)
14	5102020	1	FENDER, EVOLUTION, 48/52
15	5025011X6	3	BOLT, 5/16-18 X 3/4 GD5
16	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
17	5025525X10	1	WING, SCREW, 5/16-18 X 1-1/4, CZ
18	5025299X4	6	SCREW, 1/4-20 X 1/2 ALLEN BH
19	5050831X24	1	HOSE, 1/4" FUEL, 24.00"
20	5405628B	2	PLATE, BADGE EVOLUTION, 52 - RED
21	5404764B	1	PLATE, RIGHT REAR TANK MOUNT - RED
22	5404913B	1	GUARD, OIL FILTER - RESERVOIR, EVO - RED
23	5405416B	1	PLATE, REAR TANK MOUNT, 48 - RED
24	5405475B	1	WELD, MOUNT, FUEL TANK, FRONT - RED
25	5025011X12	1	BOLT, 5/16-18 X 1-1/2 GD5 YZ
26	5101929	1	PICKUP TUBE ASM, FUEL TANK, 18.38" (SV)
27	1726400	1	BUSHING-FUEL TANK RED RUBBER
28	5021178X3	1	FUEL FILTER (SV)
29	5102114	2	FLAP, GUARD, 48/52
30	5025154	6	WASHER, 1/4 SAE
31	5103181	1	FUEL TANK, EVOLUTION, 48/52 -(S/N: 2015235972 & Above)

Hydraulic Mounts & Guards Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

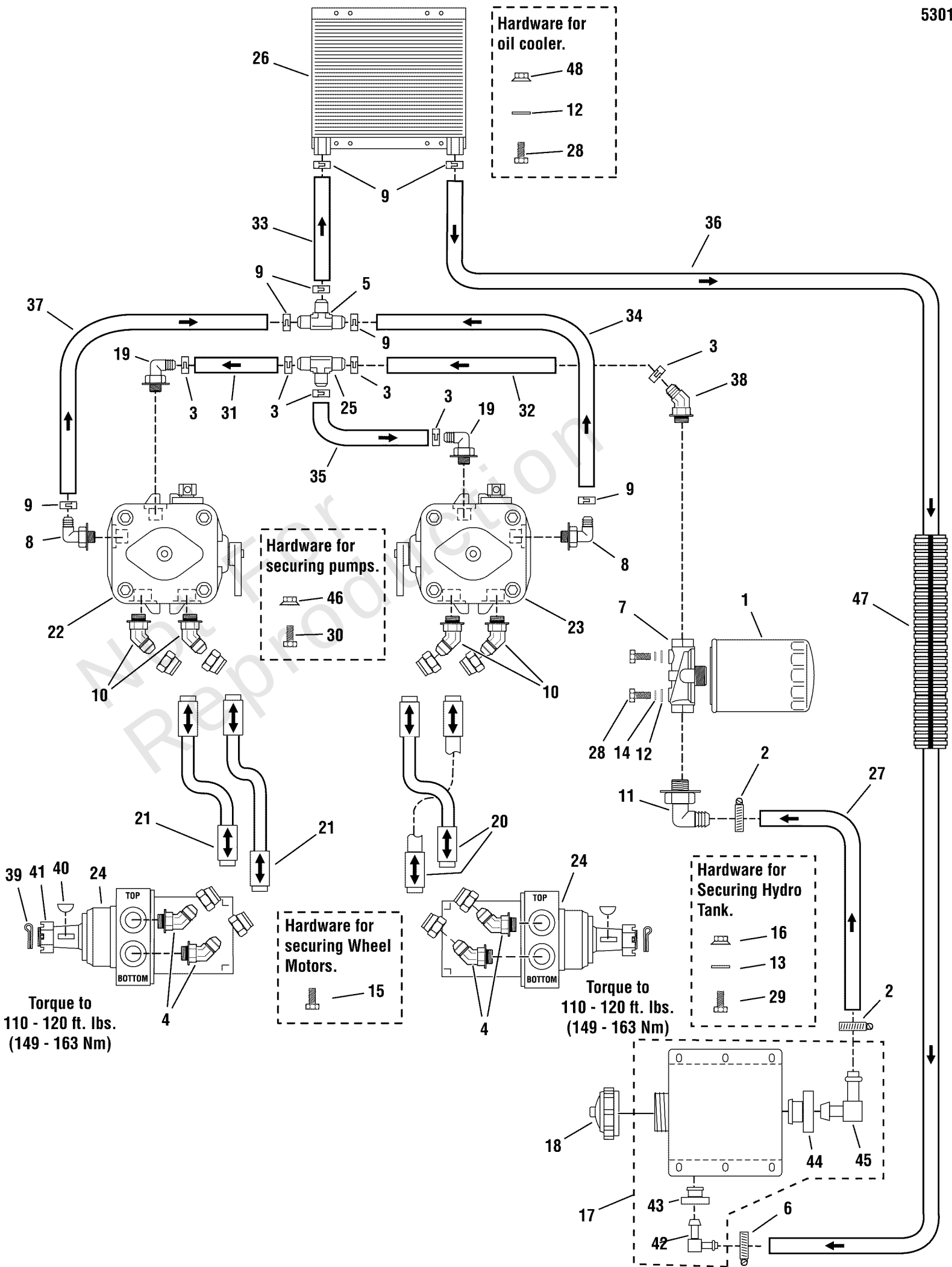
5301637



Hydraulic Mounts & Guards Group

REF NO	PART NO	QTY	DESCRIPTION
1	5403409	2	PLATE, SPACER
2	5022673	2	BUMPER, RUBBER 1/4-20
3	5025154	2	WASHER, 1/4 SAE
4	5025155	6	WASHER, 5/16" SAE
5	5025391	4	NUT, 1/4-20 HEX NYLOCK FLANGE
6	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
7	5025396	8	NUT, Hex Flange, Nylock, 1/2-13
8	5043607	8	SPACER, .50 X 1.00 X 2.00
9	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
10	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
11	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ
12	5025017X28	8	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
13	5404775B	2	PLATE, HEAT SHIELD, WHEEL MOTOR, 48-RED
14	5405748B	1	PLATE, COOLER MOUNT BRACKET -(FX730V Engines)
15	5406009B	1	PLATE, COOLER MOUNT BRACKET -(FX600V Engines)
16	5405093B	1	PLATE, COOLER MOUNT BRACKET -(FX751V Engines)

5301814



Hydraulics Group

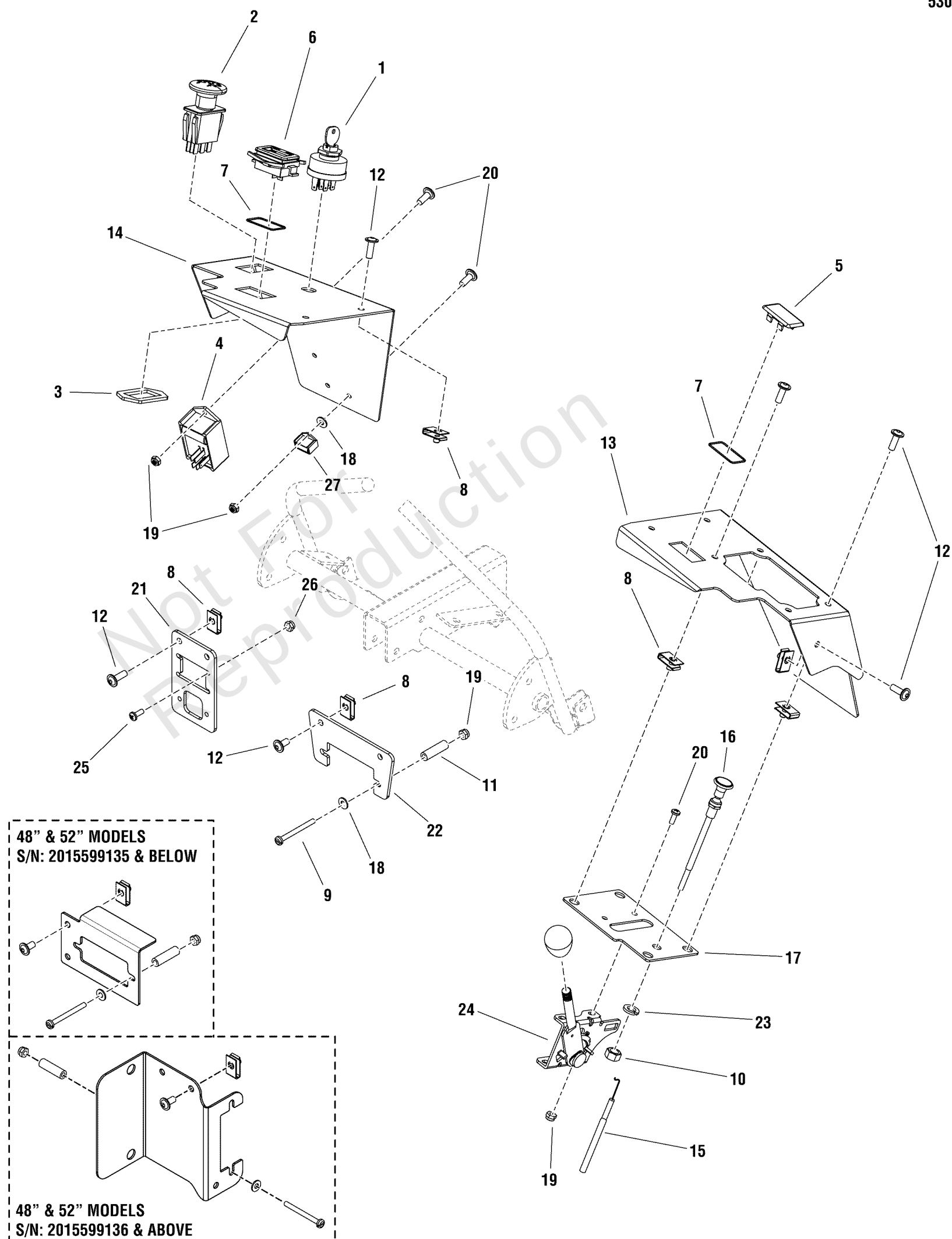
REF NO	PART NO	QTY	DESCRIPTION
1	1719168	1	FILTER, OIL
2	5021164	2	CLAMP, #10 HOSE, STAINLESS
3	5102257	5	CLAMP, HOSE, EXTERNAL, 3/4
4	5022709	4	FITTING, #8 JIC - #10 O-RING, 45 DEG.
5	5022920	1	FITTING, TEE, 1/2 HOSE
6	5022922	1	CLAMP, #4 HOSE, STAINLESS
7	5023096	1	FILTER HEAD, HYDRAULIC
8	5023267	2	ADAPTER, 90 DEG, 9/16-3/8 BARB
9	5023268	7	CLAMP, HOSE
10	5023338	4	FITTING, #8 JIC - #8 O-RING, 45 DEG.
11	5023346	1	ADAPTER, 90 DEG, 9/16-5/8 BARB
12	5025154	2	WASHER, 1/4 SAE
13	5025155	3	WASHER, 5/16" SAE
14	5025169	2	WASHER, 1/4 LOCK
15	5025534	8	BOLT,HEX FLG, SER GD8 3/8-16X1, PATCH
16	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE
17	5061712	1	TANK, HYDRAULIC, ASSEMBLY
18	5100017	1	CAP, HYDRAULIC, SHIELDED VENT
19	5100370	2	FITTING, 9/16 O-RING-1/2" HOSE, 90 DEG
20	5102106	2	HOSE ASM,RH, LH PUMP PORT BOT MOTOR PORT
21	5102108	2	HOSE ASM,LH, LH PUMP PORT BOT MOTOR PORT
22	5102191	1	PUMP, 12CC-LH,HGEAR (PK-2HBQ-LV1X-XXXX)
23	5102192	1	PUMP, 12CC-RH, HGEAR(PK-2KBQ-L81X-XXXX)
24	5101583	2	WHEEL MOTOR, HGM-15P-7131
25	5101693	1	FITTING, BEADED TEE, 1/2 X 1/2 X 1/2, YZ
26	5101721	1	OIL COOLER, .75 X 11.0 X 24 PLATES
27	5101727	1	HOSE, OIL SUPPLY, RES-FILTER
28	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
29	5025011X8	3	BOLT, 5/16-18 X 1 GD5 YZ
30	5025015X10	4	BOLT, 7/16-14 X 1-1/4 GD5 YZ
31	5050857X17P5	1	HOSE, 1/2" PUSH-ON, 17.50"
32	5050857X8P5	1	HOSE, 1/2" PUSH-ON, 8.50"
33	5050860X12	1	HOSE, 3/8" PUSH-LOCK, 12.00"
34	5050860X17P25	1	HOSE, 3/8" PUSH-LOCK, 17.25
35	5050857X3P5	1	HOSE, 1/2" PUSH-ON, 3.50"
36	5050860X42	1	HOSE, 3/8" PUSH-LOCK, 42.00"
37	5050860X8P5	1	HOSE, 3/8" PUSH-LOCK, 8.50"
38	5102054	1	FITTING, 45 ELBOW, 1/2" HOSE TO 9/16 O R
39	5025203X16	2	PIN, COTTER, 1/8 X 2" (SV)
40	5023091X1	2	WOODRUFF KEY (SV)
41	5101583X1	2	NUT, CASTLE, 3/4-20 -- TORQUE TO 115ft LBS. (156 Nm)
42	5023118	1	FITTING, ELBOW, 3/8" (SV)
43	1726400	1	BUSHING-FUEL TANK RED RUBBER
44	5023121	1	GROMMET (SV)
45	5023119	1	FITTING, ELBOW, 5/8" (SV)
46	5025533	4	NUT, HEX, 7/16-14, SER, FLG, GD5, YZ
47	5050861X36	1	WIRE LOOM, 5/8 ID 36" LONG
48	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE

Instrument Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301554
5301639



Instrument Control Panel Group

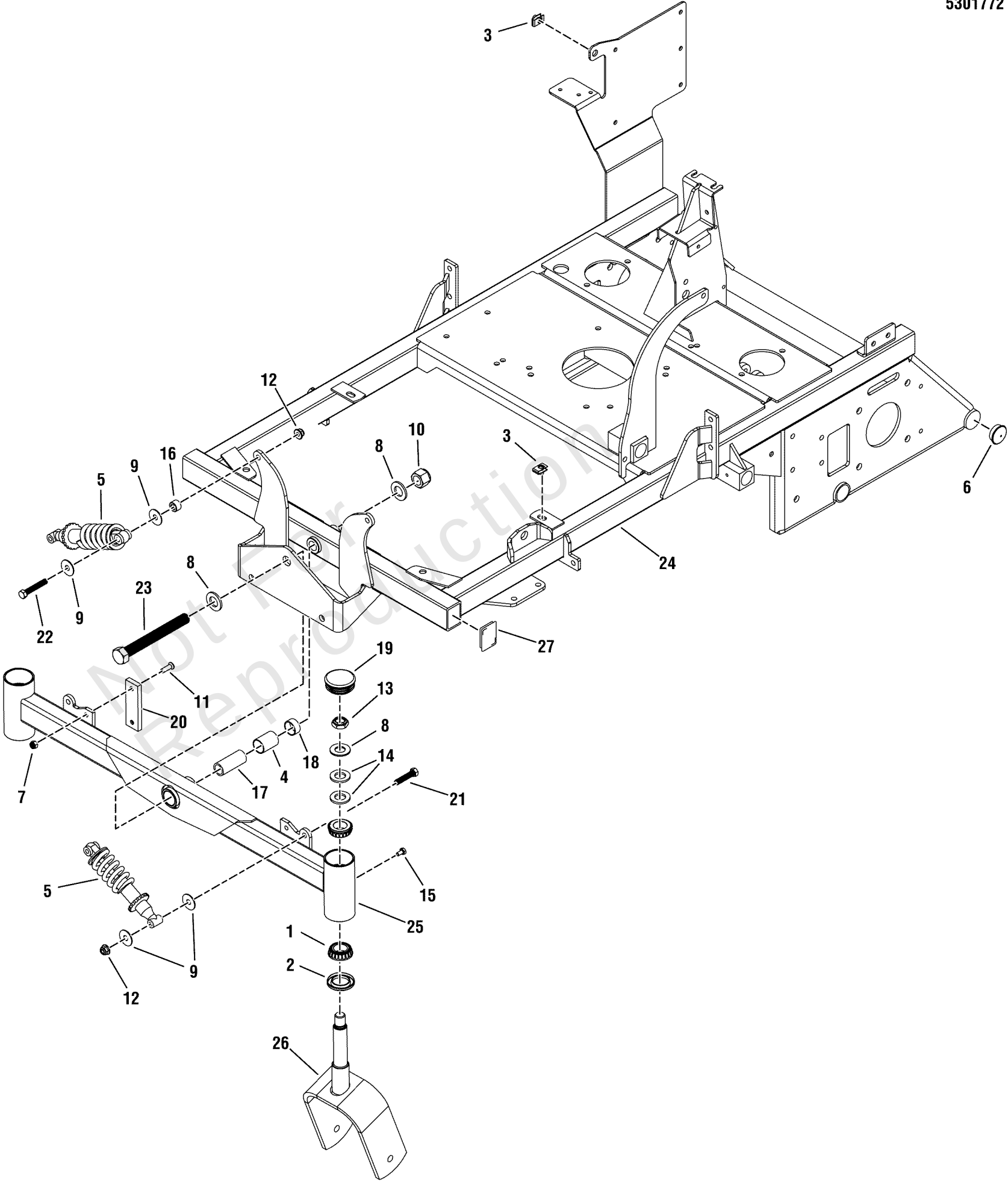
REF NO	PART NO	QTY	DESCRIPTION
1	5020927	1	SWITCH, IGNITION, 6 POST
2	5022180	1	SWITCH, BLADE ENGAGEMENT
3	5022222	1	RING, SWITCH RETAINER
4	5023310	1	MODULE, TIME DELAY
5	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
6	84008768	1	HOURLMETER (2 Pin Connector) -(S/N: 2015551938 & Above)
6	5102417	1	HOURL METER -(S/N: 2015551937 & Below)
7	5022269	2	O-RING, 7/8" ID X 1/16" W
8	5022665	14	BODY CLIP, 1/4-20 X 1/2" DEEP
9	5025270X16	2	SCREW, #10-24 X 2" ROUND PHILLIPS
10	5025309	1	NUT, 3/8-24 Hex Jam
11	5061763	2	SPACER, .20 X .38 X 1.25
12	5025299X6	14	USE 5106757 - SCREW, 1/4-20X3/4, ZINC
13	5404585B	1	PLATE, CONTROL PANEL, LH - RED
14	5404586B	1	PLATE, CONTROL PANEL, RH - RED
15	5101890	1	CABLE, THROTTLE, 31"
16	5100185	1	CABLE, CHOKE CONTROL, 35.25"
17	5404849B	1	PLATE, CHOKE/THROTTLE - RED
18	5023499	4	WASHER, #10 SAE
19	5025271	8	NUT, Hex, Nylon Lock, #10-24
20	5025179X4	6	SCREW, #10-24 X 1/2" ROUND PHILLIPS
21	5404920B	1	PLATE, CONNECTORS, OPERATOR PLATFORM
22	5408813D	1	PLATE, FUSE BLOCK -(48" & 52" - S/N: 2015599136 & Above)
22	5405004B	1	PLATE, FUSE BLOCK -(48" & 52" - S/N: 2015599135 & Below)
22	5404921B	1	PLATE, FUSE BLOCK -(36" Models)
23	5025171	1	WASHER, 3/8" SPLIT LOCK
24	5101995	1	LEVER, HEAVY DUTY, THROTTLE CONTROL
25	5025338X5	6	SCREW, #8-32 X 5/8 PHILLIPS, PAN HEAD, ZP
26	5025339	6	NUT, #8-32 Hex Nylon Lock
27	5021766	2	RELAY, 12 VOLT, 40 AMP

Main Frame & Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

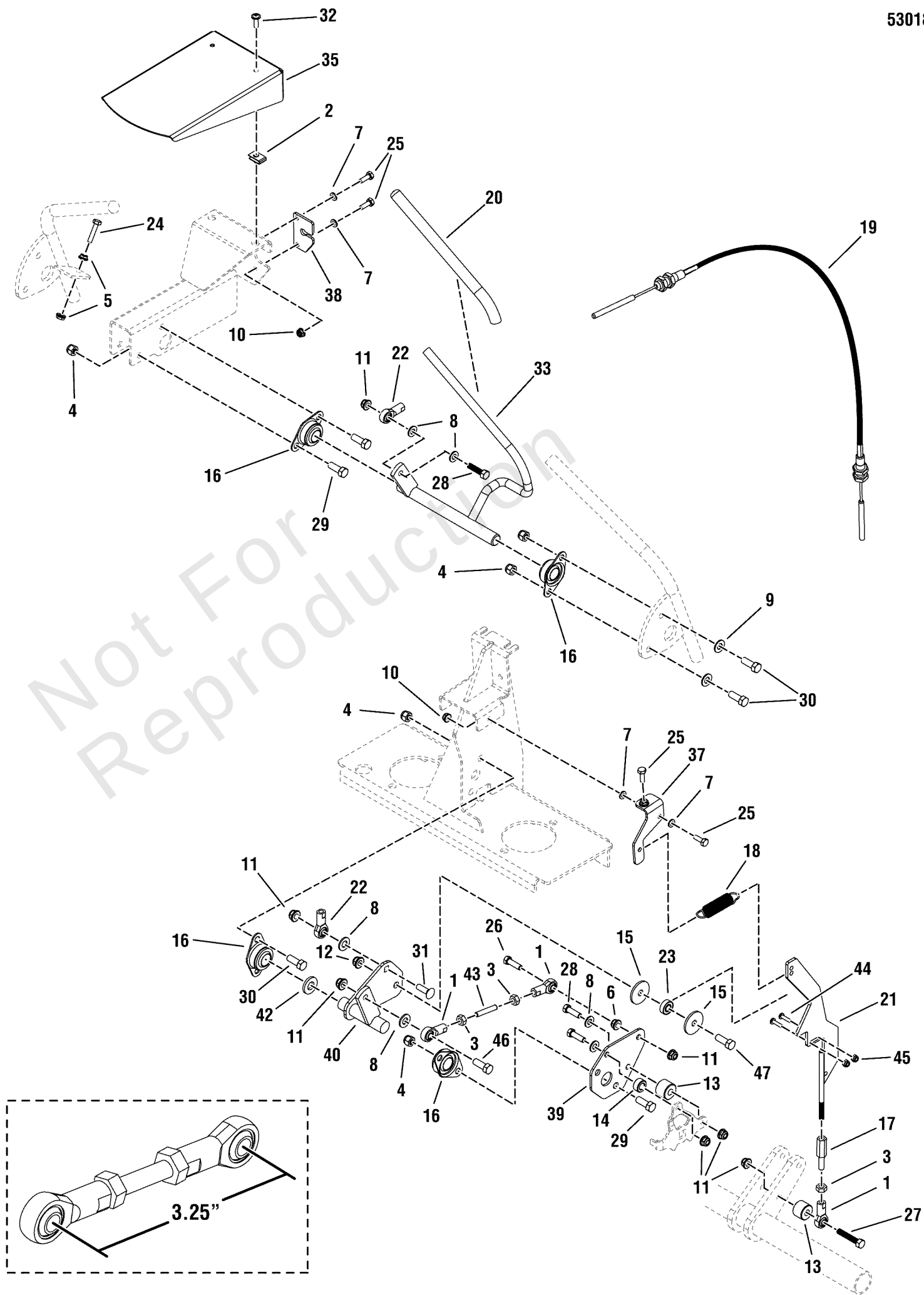
5301772



Main Frame & Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1	5020884	4	BEARING, TAPERED ROLLER, 1
2	5021072	2	SEAL, GREASE
3	5022308	5	BODY CLIP, 5/16-18-7GA MATERIAL
4	5022852	1	PIVOT BEARING-1.00 X 1.125 ODX1.50
5	5023483	2	SHOCK, SPRING ASSEMBLY
6	5023484	2	PLUG, PANEL, 1.25 - BLACK
7	5025057	4	NUT, 5/16-18 HEX NYLON LOCK
8	5025160	4	WASHER, 3/4 SAE
9	5025165	8	WASHER-3/8 FENDER
10	5025284	1	NUT, 3/4-16 HEX NYLON LOCK
11	5025594	4	SCREW, 5/16-18 X 1 PHILLIPS HD, BZ -(Was 5025303)
12	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
14	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
15	5025457	2	BOLT, 1/4-28 X 1/2, GD5 YZ
16	5047408	2	SPACER, .39 X .75 X .50, CZ
17	5047489	1	SPACER, .75 X 1.00 X 2.38
18	5100358	1	PIVOT BEARING, 1.00 X 1.125 OD X .50
19	5109845	2	CAP, GREASE, LOW PROFILE
20	5102702	2	PAD, FRICTION, .375 X 1.25 X 4.00
21	5025013X14	2	BOLT, 3/8-16 X 1-3/4" GD5 CZ
22	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 CZ
23	5025265X52	1	BOLT, 3/4-16 X 6-1/2 YZ GD5
24	5405367B	1	WELD, MAIN FRAME, EVOLUTION, 52 - RED
25	5600466	1	WELD, FRONT END, EVO 52 -(Includes Ref Nos 4, 15 & 18)
26	5404838B	2	WELD, CASTER YOKE - RED
27	5022098	2	CAP, 1-1/2 X 2 X 11GA, PLASTIC

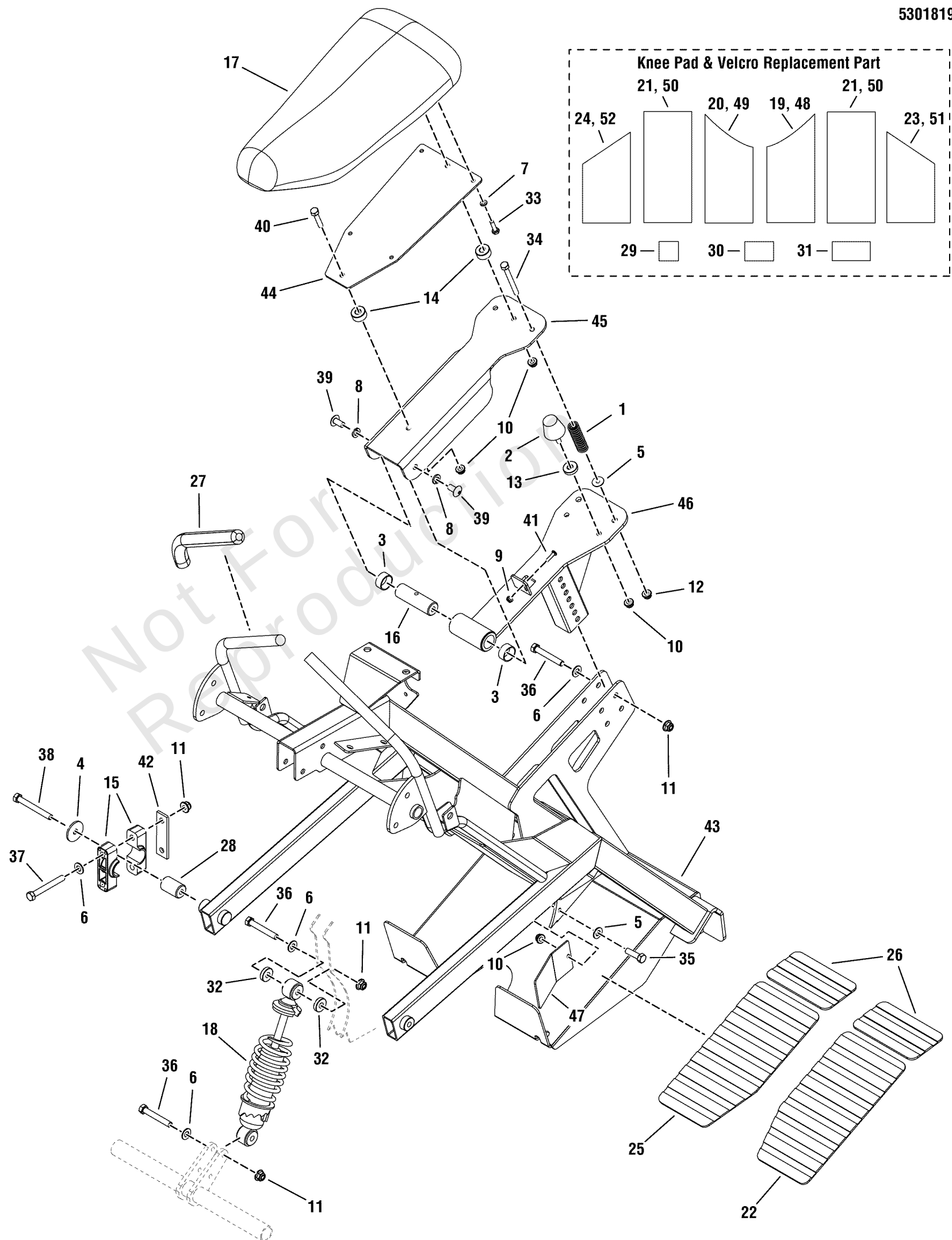
5301813



Motion Control Group

REF NO	PART NO	QTY	DESCRIPTION
1	5104493	6	BALL JOINT 5/16-24 RH FEMALE BRONZE RACE
2	5022665	2	BODY CLIP, 1/4-20 X 1/2 DEEP
3	5025033	6	NUT, 5/16-24 HEX
4	5025096	14	NUT, 3/8-16 HEX NYLON LOCK
5	5025126	4	NUT, 1/4-20 HEX SERR. FLANGE
6	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
7	5025154	8	WASHER, 1/4 SAE
8	5025155	10	WASHER, 5/16" SAE
9	5025156	4	WASHER, 3/8 SAE
10	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE
11	5025392	10	NUT, 5/16-18 HEX NYLOCK FLANGE
12	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5043815	4	SPACER, .39 X 1.00 X .75
14	5044933	2	SPACER, .39 X .75 X .38a
15	5100548	4	WASHER, .390 X 1.50 X .109, YZ
16	5100561	8	BEARING, BRONZE FLANGE, 3/4"
17	5101243	2	ADJUSTER, ROD LINKAGE 5/16-24
18	5101339	2	SPRING-EXT, 3.281 x .751 x .075 WIRE
19	5102273	2	CABLE, PUSH/PULL, 30" SPEED CONTROL
20	5101715	2	GRIP, FOAM, .48 x 10 x .125 Black
21	5102149	2	WELD, CONTROL RAMP, EVO
22	5101801	4	ROD END, FEMALE, 10-32 W 5/16" BORE
23	5102003	2	BEARING, .375" ID X .875" OD X .341" THK
24	5025010X10	2	BOLT, 1/4-20 X 1-1/4, GD5
25	5025010X6	8	BOLT, 1/4-20 X 3/4 GD5 YZ
26	5025011X12	4	BOLT, 5/16-18 X 1-1/2 GD5 YZ
27	5025011X16	2	BOLT, 5/16-18 X 2, GD5
28	5025011X9	2	BOLT, 5/16-18 X 1-1/8 GD5
29	5025013X6	8	BOLT, 3/8-16 X 3/4" GD5 CZ
30	5025013X8	6	BOLT, 3/8-16 X 1" GD5 CZ
31	5025145X8	2	BOLT, 5/16-18 X 1, CARRIAGE
32	5025299X6	2	USE 5106757 - SCREW, 1/4-20X3/4, ZINC
33	5405637B	1	WELD, CONTROLS, HANDLE BARS, LH, EVO -RED
34	5405636B	1	WELD, CONTROLS, HANDLE BARS, RH, EVO -RED
35	5404625B	1	PLATE, MOTION CONTROL GUARD - RED
36	5404835B	1	WELD, SPRING ADJUSTER, RH - RED
37	5404836B	1	WELD, SPRING ADJUSTER, LH - RED
38	5404848B	2	PLATE, CABLE - RED
39	5405411B	2	PLATE, PUMP CONTROL, 48/52 - RED
40	5405473B	1	SHAFT, LOWER CONTROL, LH - RED
41	5405474B	1	SHAFT, LOWER CONTROL, RH - RED
42	5047461	2	SPACER, .76 X 1.00 X .25
43	5047740	2	LINK, STUD
44	5025179X6	4	SCREW, #10-24 X 3/4 ROUND PHILLIPS
45	5025271	4	NUT, #10-24 HEX NYLON LOCK
46	5025011X10	2	BOLT, 5/16-20 X 1-1/4, GD5
47	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ

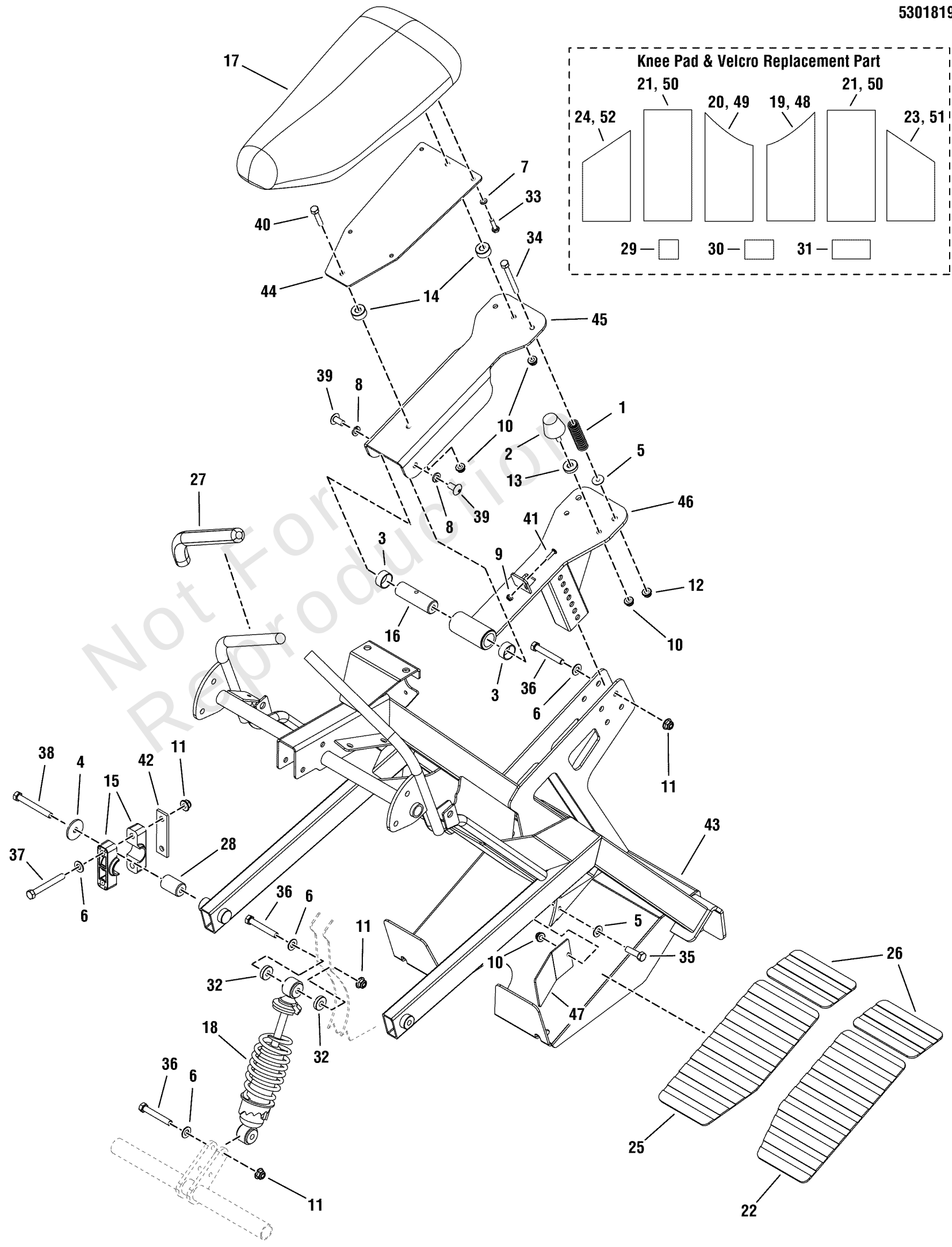
5301819



Operator Platform Group

REF NO	PART NO	QTY	DESCRIPTION
1	5021004	2	STAINLESS STEEL COMP. SPRING
2	5022612	2	BUMPER, RUBBER 5/16-18
3	5023343	2	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
4	5025150	2	WASHER, 1/2 USS
5	5025155	4	WASHER, 5/16" SAE
6	5025156	8	WASHER, 3/8 SAE
7	5025169	4	WASHER, 1/4 LOCK
8	5025171	2	WASHER, 3/8 SPLIT LOCK
9	5025271	2	NUT, #10-24 HEX NYLON LOCK
10	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5025394	8	NUT, 3/8-16 HEX NYLOCK FLANGE
12	5025528	2	ACORN NUT, 5/16-18 S/S
13	5044960	2	SPACER, .39 X 1.00 X .25
14	5046860	2	SPACER, .39 X 1.00 X .50
15	5100634	4	PIVOT BLOCK, PLASTIC
16	5101635	1	SPACER, 1.00 X 3.25 THRD BOTH ENDS
17	5101648	1	SEAT, EVOLUTION
18	5101650	1	SHOCK ABSORBER
19	5101802	1	KNEE PAD, INNER RH, EVOLUTION 36"/48" -(S/N: 2014004709 & Below)
20	5101803	1	KNEE PAD, INNER LH, EVOLUTION 36"/48" -(S/N: 2014004709 & Below)
21	5101806	2	KNEE PAD, CENTER, EVOLUTION 36"/48" -(S/N: 2014004709 & Below)
22	5101807	1	SAFETY WALK, EVOLUTION 36"
23	5101810	1	KNEE PAD, OUTER RH, EVOLUTION 48/52 -(S/N: 2014004709 & Below)
24	5101811	1	KNEE PAD, OUTER LH, EVOLUTION 48/52 -(S/N: 2014004709 & Below)
25	5101828	1	SAFETY WALK, 6.00 X 11.25
26	5101829	2	SAFETY WALK, 3.5 X 6.00
27	5101830	2	FOAM, GRIP, 3/4" ID X 12" LG X .187 BLK
28	5101846	2	SPACER, .515 X 1.00 X 1.22, YZ
29	5101913	4	VELCRO, 2" X 2", HOOK MATERIAL -(S/N: 2014004709 & Below)
30	5101915	6	VELCRO, 2" X 3", HOOK MATERIAL -(S/N: 2014004709 & Below)
31	5101916	2	VELCRO, 2" X 4", HOOK MATERIAL -(S/N: 2014004709 & Below)
32	5101965	2	SPACER, .390 X 1.00 X .188, YZ
33	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
34	5025011X26	2	BOLT, 5/16-18 X 3-1/4 GD5
35	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
36	5025013X20	4	BOLT, 3/8-16 X 2-1/2" GD5 CZ
37	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
38	5025018X18	2	BOLT, 1/2-20 X 2-1/4 GD5 CZ
39	5025075X6	2	BOLT, 3/8-16 X 3/4, ALLEN BUTTON
40	5025145X14	1	BOLT, 5/16-18 X 1-3/4, CARRIAGE
41	5025179X6	2	SCREW, #10-24 X 3/4 ROUND PHILLIPS
42	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
43	5404176B	1	WELD, OPERATOR COMPARTMENT, 48 - RED
44	5404206B	1	PLATE, SEAT RAIL ADAPTER - RED
45	5404336B	1	PLATE, SEAT MOUNT, TOP - RED

5301819



Operator Platform Group

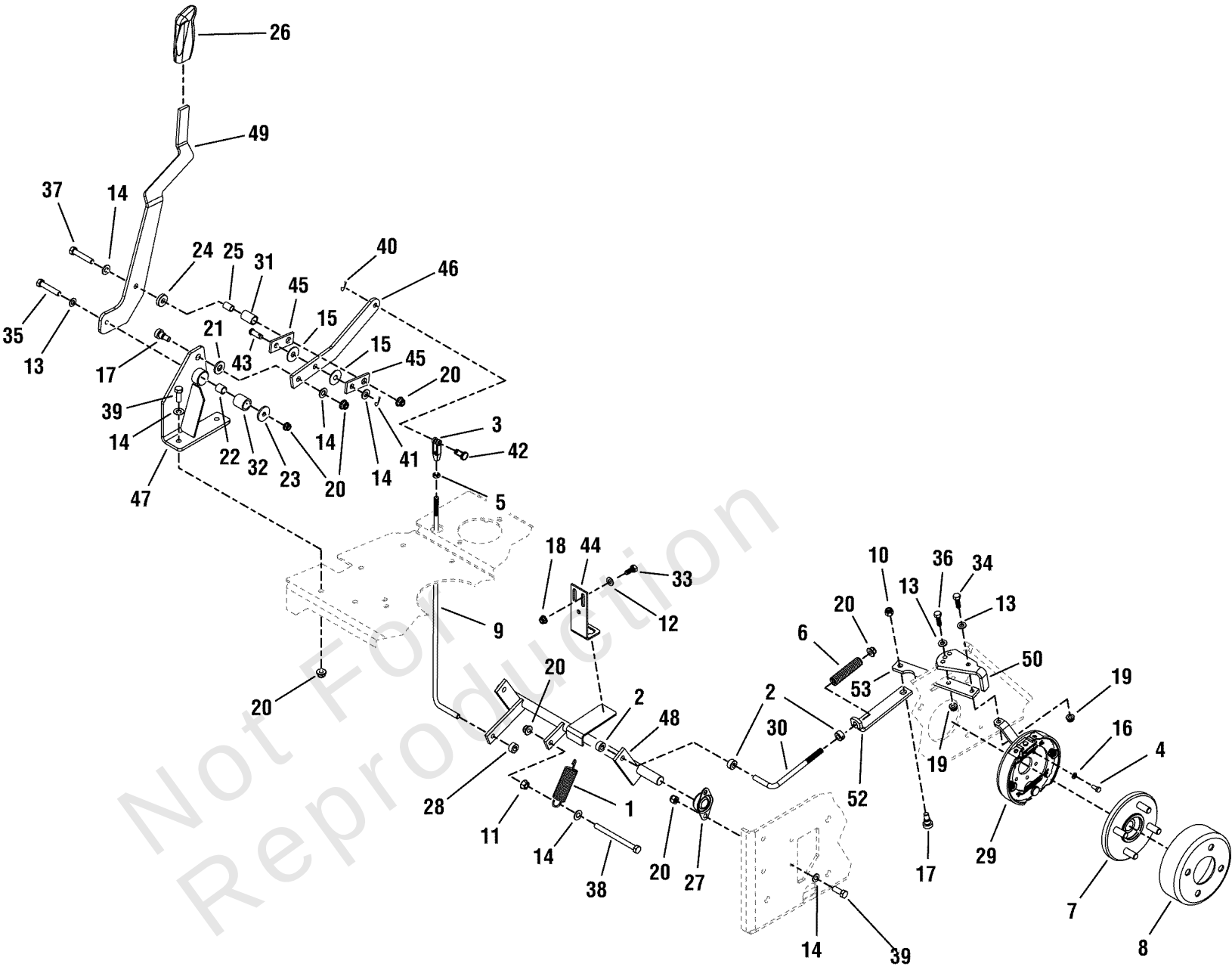
REF NO	PART NO	QTY	DESCRIPTION
46	5404340B	1	WELD, SEAT MOUNT - RED
47	5404912B	2	GUARD, FOOT, EVO 36-48 - RED
48	5102283	1	KNEE PAD, INNER RH, EVOLUTION 36/48 -(S/N: 2014004710 & Above)
49	5102284	1	KNEE PAD, INNER LH, EVOLUTION 36/48 -(S/N: 2014004710 & Above)
50	5102285	2	KNEE PAD, CENTER, EVOLUTION 36/48 -(S/N: 2014004710 & Above)
51	5102286	1	KNEE PAD, OUTER RH, EVOLUTION 36/48 -(S/N: 2014004710 & Above)
52	5102287	1	KNEE PAD, OUTER LH, EVOLUTION 36/48 -(S/N: 2014004710 & Above)
53	5025391	6	NUT, 1/2-20 HEX NYLOCK FLANGE -(S/N: 2014004710 & Above)(Used to secure knee pads in place.)

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301821



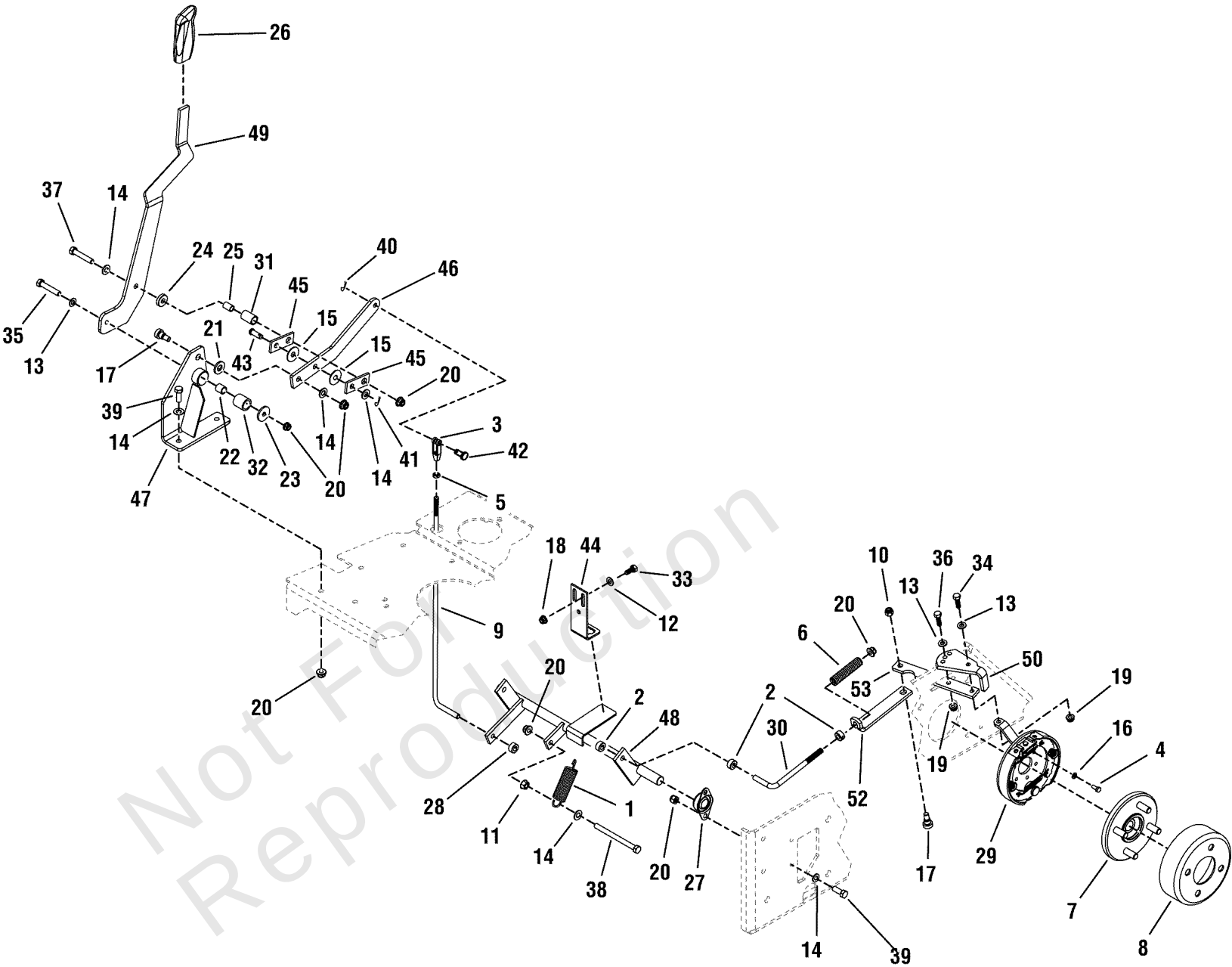
Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
1	1608395	1	SPRING-EXTN 1.040ODX 04.000LG .105WIRE D
2	5010546	6	COLLAR, 3/8 SET
3	5020979	1	CLEVIS, 5/16-24, PLASTIC
4	5023215	12	CAPSCREW-HEX HEAD M6-1.0X 14MM
5	5023216	1	NUT, 5/16-24 JAM
6	5023242	2	SPRING-COMP, .496ID X 3.00LG X .112WR
7	5023309	2	HUB-W/STUD, 1TPR 800645
8	5023367	2	BRAKE DRUM
9	5102068	1	ROD, BRAKE, 48-52 EVOLUTION
10	5025100	3	NUT, 3/8-16 HEX SIDE LOCK
11	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
12	5025154	2	WASHER, 1/4 SAE
13	5025155	5	WASHER, 5/16" SAE
14	5025156	7	WASHER, 3/8 SAE
15	5025165	2	WASHER-3/8 FENDER
16	5025169	12	WASHER, 1/4 LOCK
17	5025356	3	BOLT, 3/8-16 X 3/8, 1/2 SHOULDER
18	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE
19	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
20	5025394	5	NUT, 3/8-16 HEX NYLOCK FLANGE
21	5025440	1	WASHER, 1/2 GD9 YZ
22	5042134	1	SPACER, .32 X .75 X 1.06
23	5044617	1	WASHER, .34 X 1.25 X 10 GA
24	5044960	1	SPACER, .39 X 1.00 X .25
25	5047199	1	SPACER, .38 X .50 X .75
26	5100171	1	GRIP, BLACK FLEXIBLE
27	5021098	2	BEARING, BRONZE FLANGE, 3/4"
28	5020047	1	COLLAR, 5/16 SET
29	5101628	2	CAM BRAKE SHOE ASSM, KNOTT
30	5101751	2	ROD, BRAKE LINKAGE
31	5101928	1	SPACER, .564 X .904 X .310, YZ
32	5020876B	1	BUSHING, BRASS, 3/4 X 1 X 1
33	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
34	5025011X10	3	BOLT, 5/16-18 X 1-1/4 GD5 YZ
35	5025011X16	1	BOLT, 5/16-18 X 2, GD5
36	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
37	5025013X16	1	BOLT, 3/8-16 X 2, GD5, CZ
38	5025013X36	1	BOLT, 3/8-16 X 4-1/2" GD5 CZ
39	5025013X8	6	BOLT, 3/8-16 X 1" GD5 CZ
40	80002736	1	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
41	5025203X6	1	PIN, COTTER, 1/8 X 3/4
42	5025213X8	1	PIN-CLEVIS, 5/16 X 1 YZ
43	5025214X8	1	PIN, CLEVIS, 3/8 X 1
44	5404599B	1	PLATE, SWITCH BRACKET - RED
45	5404603B	2	PLATE, BRAKE HANDLE TAB - RED
46	5404604B	1	PLATE, BRAKE HANDLE BRACKET - RED
47	5404627B	1	WELD, BRAKE HANDLE MOUNT - RED
48	5404841B	1	WELD, BRAKE SHAFT, 48 - RED
49	5404998B	1	PLATE, HANDLE, PARKING BRAKE - RED
50	5405163B	1	PLATE, LINKAGE ADJUSTABLE, LH - RED
51	5405164B	1	PLATE, LINKAGE ADJUSTABLE, RH - RED

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5900930

5301821



Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
52	5404598B	2	BAR, BRAKE BRACKET -RED
53	5405165B	2	LINKAGE, BRAKE LOWER, 48 - RED

Not For Reproduction

PUMP DRIVE [Cast Idler Arm for replacing Steel Pump Drive Idler Arm]

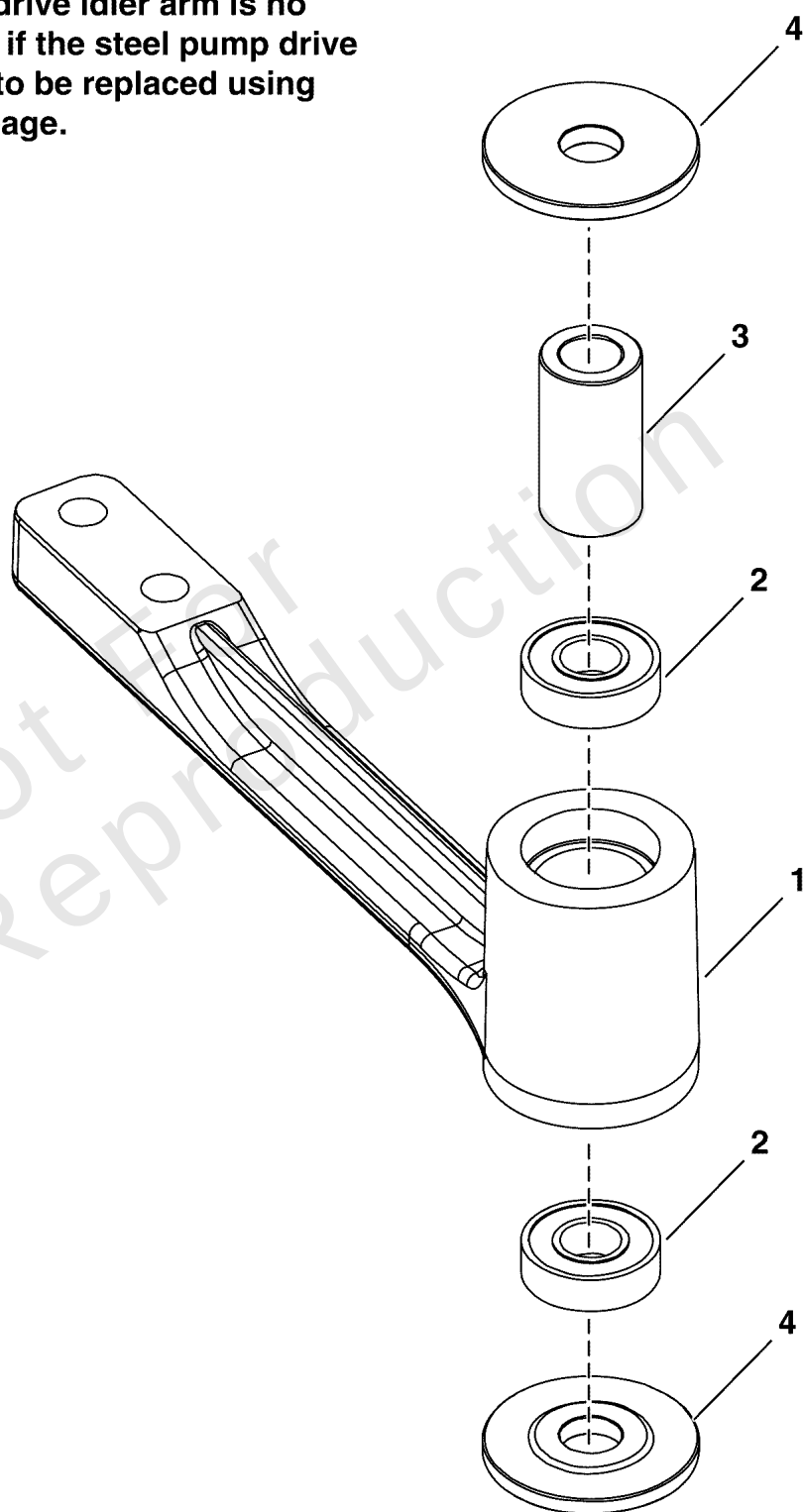
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5406895

Service Parts for Pump Drive Steel Idler Arms replaced by Cast Idler Arms

The steel pump drive idler arm is no longer available, if the steel pump drive idler arm needs to be replaced using item #1 on this page.



PUMP DRIVE [Cast Idler Arm for replacing Steel Pump Drive Idler Arm]

REF NO	PART NO	QTY	DESCRIPTION
1	5406895	1	ASSM, IDLER ARM, PUMP DRIVE, 3/8ID, CAST (SV) -(Includes items #2-4)(5101178A)
2	7078243	2	BEARING, BALL AXLE
3	5102580	1	SPACER, .39 X .88 X 1.53, CZ
4	5102579	2	SPACER, IDLER ARM, T-STYLE, CZ

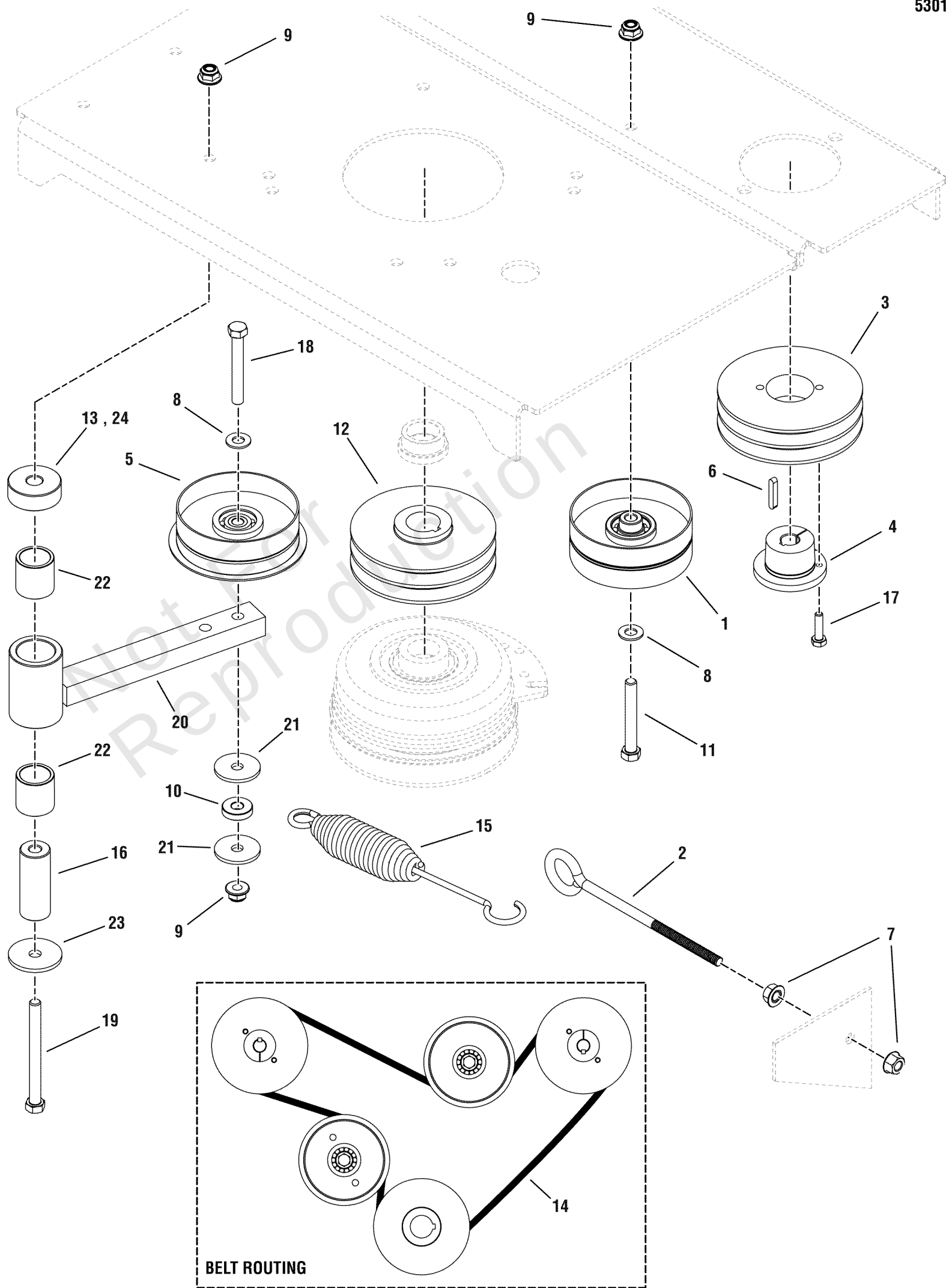
Not For Reproduction

Pump Drive Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5301775



Pump Drive Group

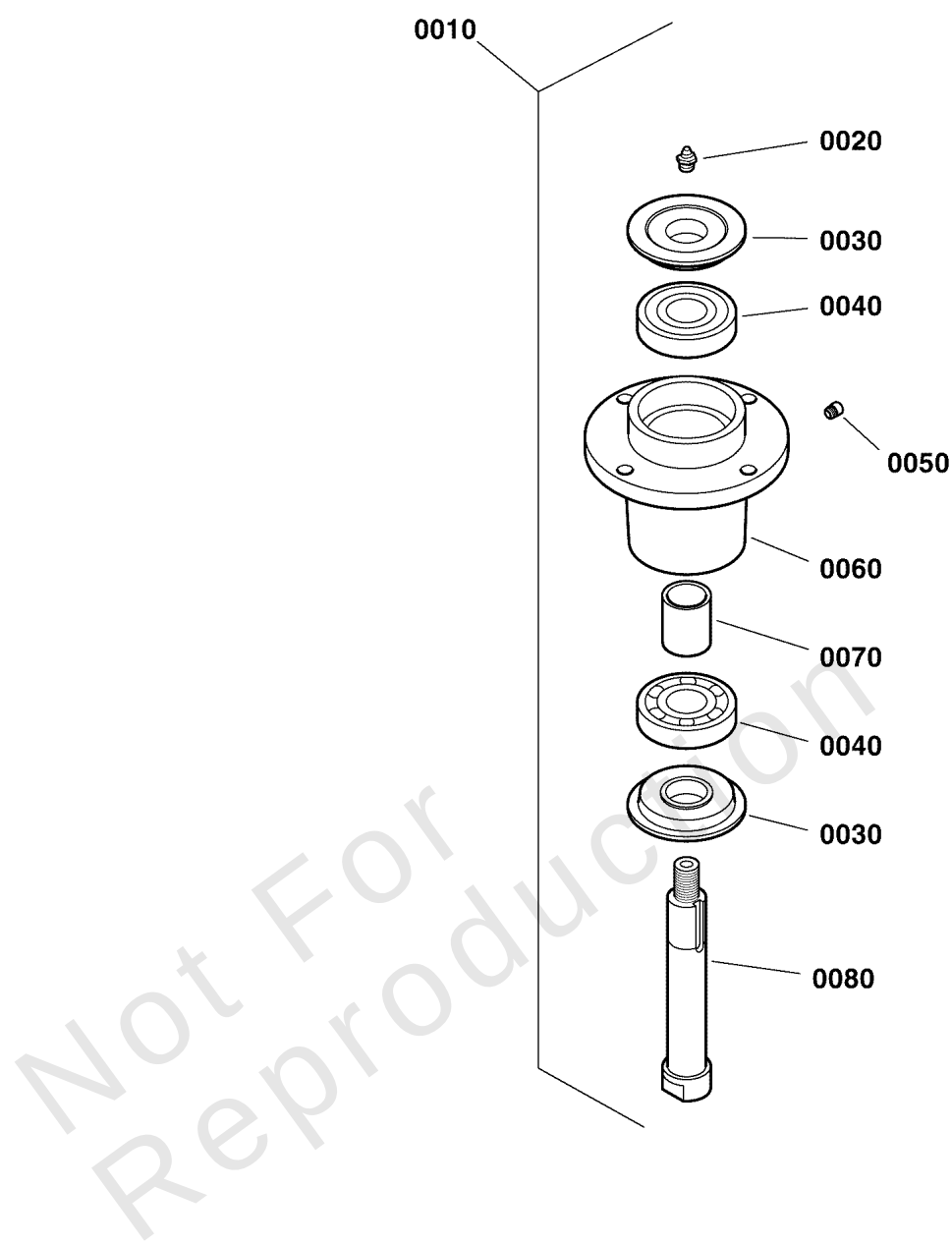
REF NO	PART NO	QTY	DESCRIPTION
1	5021442	1	PULLEY-IDLER, 5.00OD, .385ID, 1.50W STL
2	5021811	1	EYE BOLT, 3/8-16 X 8, 1 EYE
3	5022586	2	PULLEY, PUMP DRIVE
4	5022587	2	BUSHING, TAPERED HUB
5	5103808	1	PULLEY, IDLER, SINGLE FLANGE
6	5023254	2	KEY, 5MM SQ. W/ RADIUS
7	5025034	2	NUT, 3/8-16 HEX
8	5025156	2	WASHER, 3/8 SAE
9	5025394	3	NUT, 3/8-16 HEX NYLOCK FLANGE
10	5044960	1	SPACER, .39 X 1.00 X .25
11	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
12	5047075	1	PULLEY, CRANKSHAFT, 1.126 ID X 4.75 OD
13	5100314	1	SPACER, .51 X 1.75 X .63 -(S/N: 2013951792 & BELOW)
14	5100555	1	BELT, BANDED A-SEC,64.76EL,POLY,RAW EDGE
15	5100632	1	SPRING, EXTENSION, SWIVEL. LONG HOOK
16	5102004	1	SPACER, .39 X 1.000 X 2.55, SS
17	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
18	5025013X22	1	BOLT, 3/8-16 X 2-3/4" GD5 CZ
19	5025013X32	1	BOLT, 3/8-16 X 4" GD5 CZ
20	-----	1	See "PUMP DRIVE [Cast Idler Arm for replacing Steel Pump Drive Idler Arm]"
21	5100548	2	WASHER, .390 X 1.50 X .109, YZ
22	5022157	2	BUSHING, BRASS, 1.25X1X1.25
23	5025305	1	WASHER, .41 X 1.75 X .14
24	5045475	1	SPACER, .45 X 1.88 X .38 -(S/N: 2013951793 & ABOVE)

Spindle SERVICE PARTS - 5061095

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900930

5061095

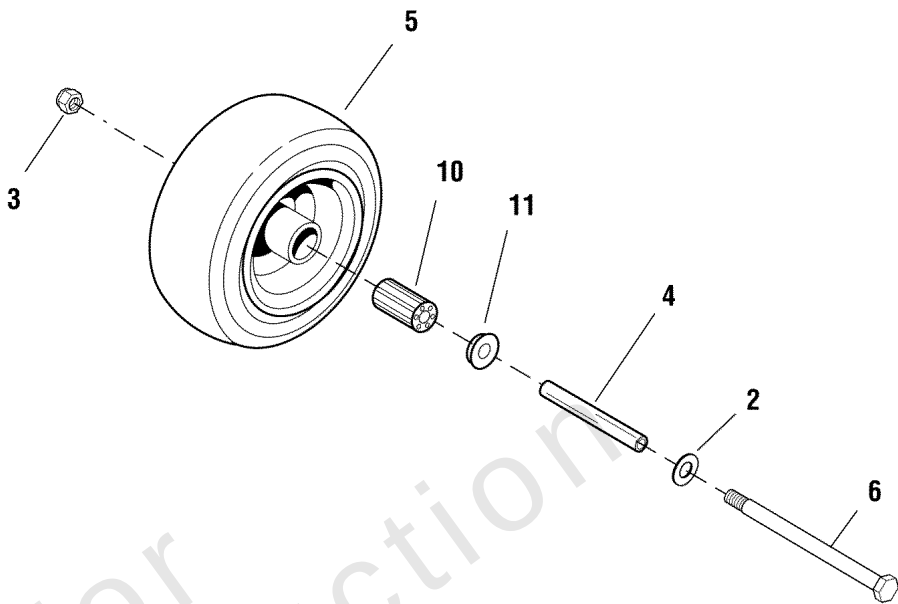


Spindle SERVICE PARTS - 5061095

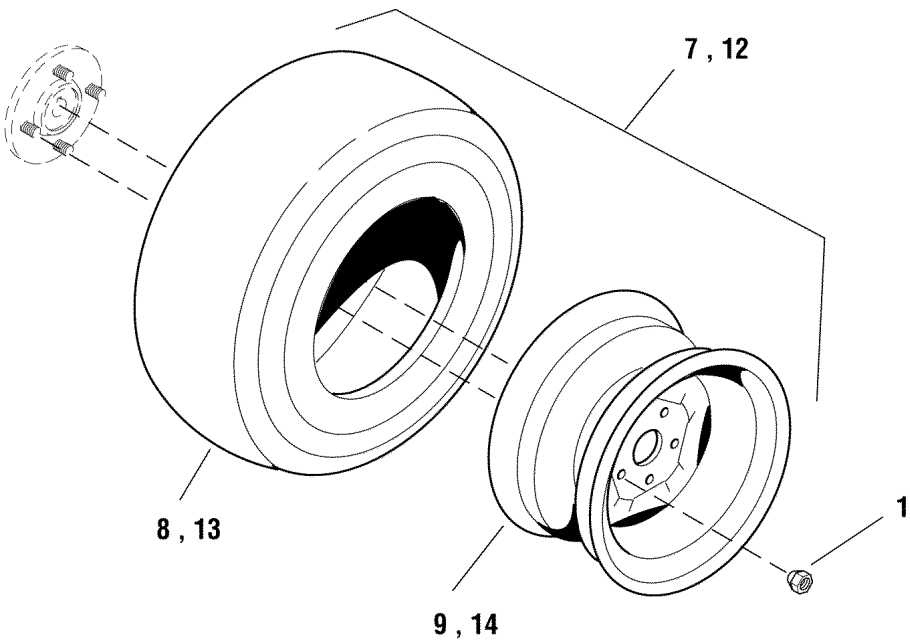
REF NO	PART NO	QTY	DESCRIPTION
0010	5061095SM	1	ASSM, SPINDLE, LOW PR -(Nut and Washer Sold Seperately) (Includes items #0020 - 0080)
0020	5023329SM	1	FITTING
0030	5049793SM	2	SHIELD, TRASH
0040	5023330SM	2	BEARING, .98 X 2.44 X
0050	5023296SM	1	FITTING, RELIEF, 1-5
0060	5102993YP	1	SUB ASM, SPINDLE, LON -(Includes items #0040 - Qty (2) & #0070 - Qty (1))
0070	5061099SM	1	SPACER
0080	5061098SM	1	SHAFT, SPINDLE

5301545
5301625

Front Wheels & Tires



Rear Wheels & Tires



Inflate to 18 PSI (1,24 bar)

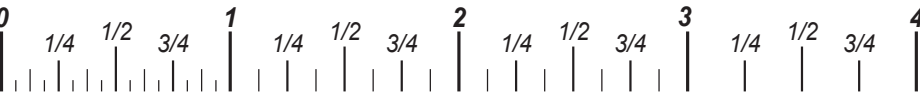
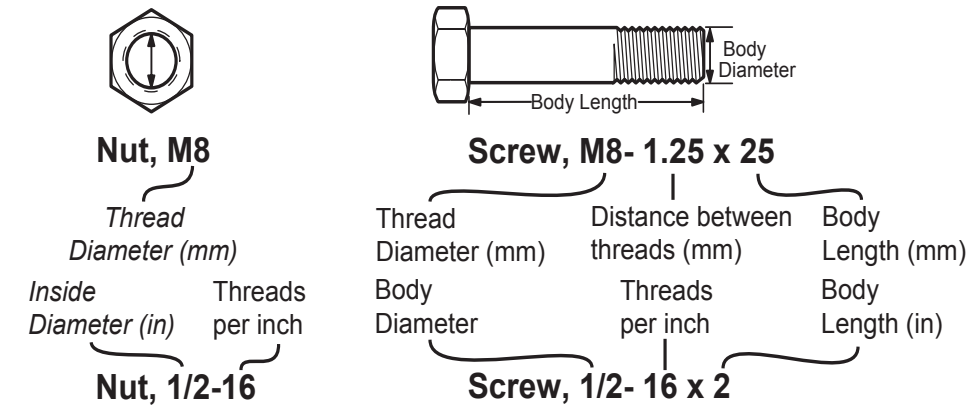
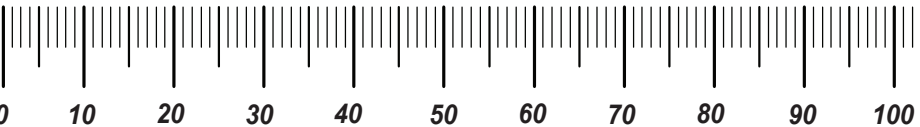
Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
1	5020601	8	NUT, 1/2-20, FOR WHEEL BOLT SILVER
2	5025158	2	WASHER, 1/2 SAE
3	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
4	5045996	2	CASTER AXLE DDSH
5	5100715	2	TIRE/WHEEL ASSM 11/4.00-5 FLAT FREE
6	5025017X56	2	BOLT, HEX, 1/2-13 X 7, GD 8, YZ
7	5101277	2	TIRE ASSM, 18 X 8.5 X 10 -(36" Models Only)
8	5101277X1	2	TIRE, 18 X 8.5 X 10 -(SV)
9	5101277X2	2	RIM, 10 X 7, 4/4 BOLT CIRCLE, 2.625 POS -(SV)
10	5101418X1	4	BEARING, CASTER WHEEL
11	5021043	4	BEARING, RETAINER
12	5101661	2	TIRE/WHEEL ASM, 22X10.00 - 10 TURF MASTE -(48" & 52" Models)
13	5100006X1	2	TIRE, 22 X 10 X 10
14	5101661X1	2	WHEEL, 22 X 10 X 10

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).

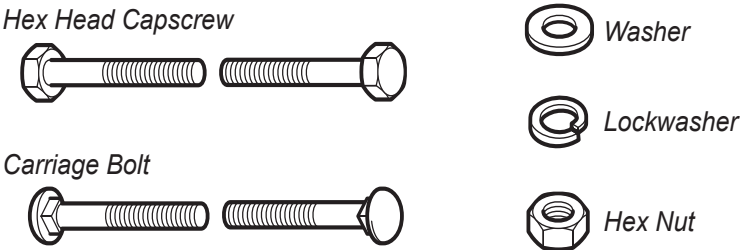
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

