



Parts Manual

Mfg. No: 5901843

ISX2200 Series w/ 52" Mower Deck &
ROPS (ISX2200BVE2852SS)



5600031 - Kit, Trailer Hitch (IS600/IS700/IS2100/IS2600/IS5100/F160/F210).....	
5600957 - Striping Kit, 52 iCD Deck.....	
5600373 - 52" iCD FAST-Vac; 3-Bag Soft Top System (IS2100Z iCD Series).....	
5100856 - 3-Bag Electric Dump From Seat.....	
5600616 - Electric Dump From Seat (IS2000Z & IS2100Z - 52" iCD Mower Deck).....	
5023279 - Flat Free Tire Assembly.....	
5600747 - 52" iCD TURBO-Pro Max; 3-Bag Grass Collection System (IS2100Z).....	
5600761 - 52" iCD TURBO-Pro Max; Electric Dump from Seat Grass Collection System (IS2100Z).....	
5600584 - Mulch Kit for ZTR w/ 52" iCD Deck - S/N: 2015866745 & Above.....	
5600891 - Roll Bar Mounted LED Headlight Kit.....	
5601080 - Service Jack Kit.....	
5601135 - Head Rest Kit.....	
5601235 - Service Jack Mount Kit (7.25") 2200/3300.....	
5601136 - 52" iCD/2-Belt TURBO-Max; 2 Bag Soft Top Grass Collection System (IS2100Z).....	
5106986S - Laser Edge Blade Set, 52" Deck.....	
5108067 - Terra Trac Tire, 24 X 12 - 12.....	
5601242 - 52" iCD FAST-Vac; EZ Dump 12 cu. ft. Hopper (ISX2200).....	
5601243 - 52" iCD TURBO-Max; EZ Dump 12 cu. ft. Hopper (ISX2200).....	

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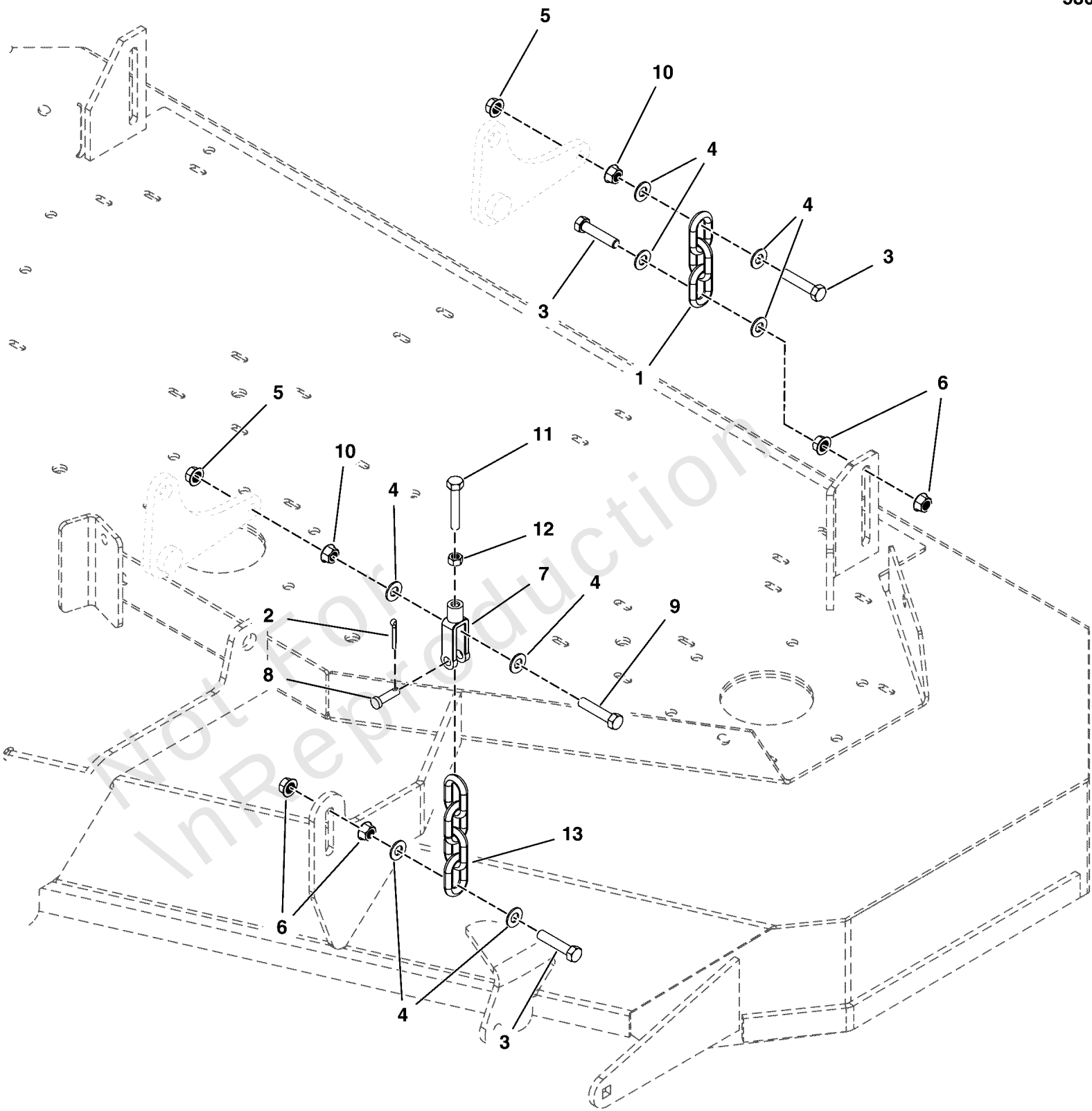
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52" Mower Deck - Hanger Chains

Note: Unless noted otherwise, use the standard torque specifications

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5303514



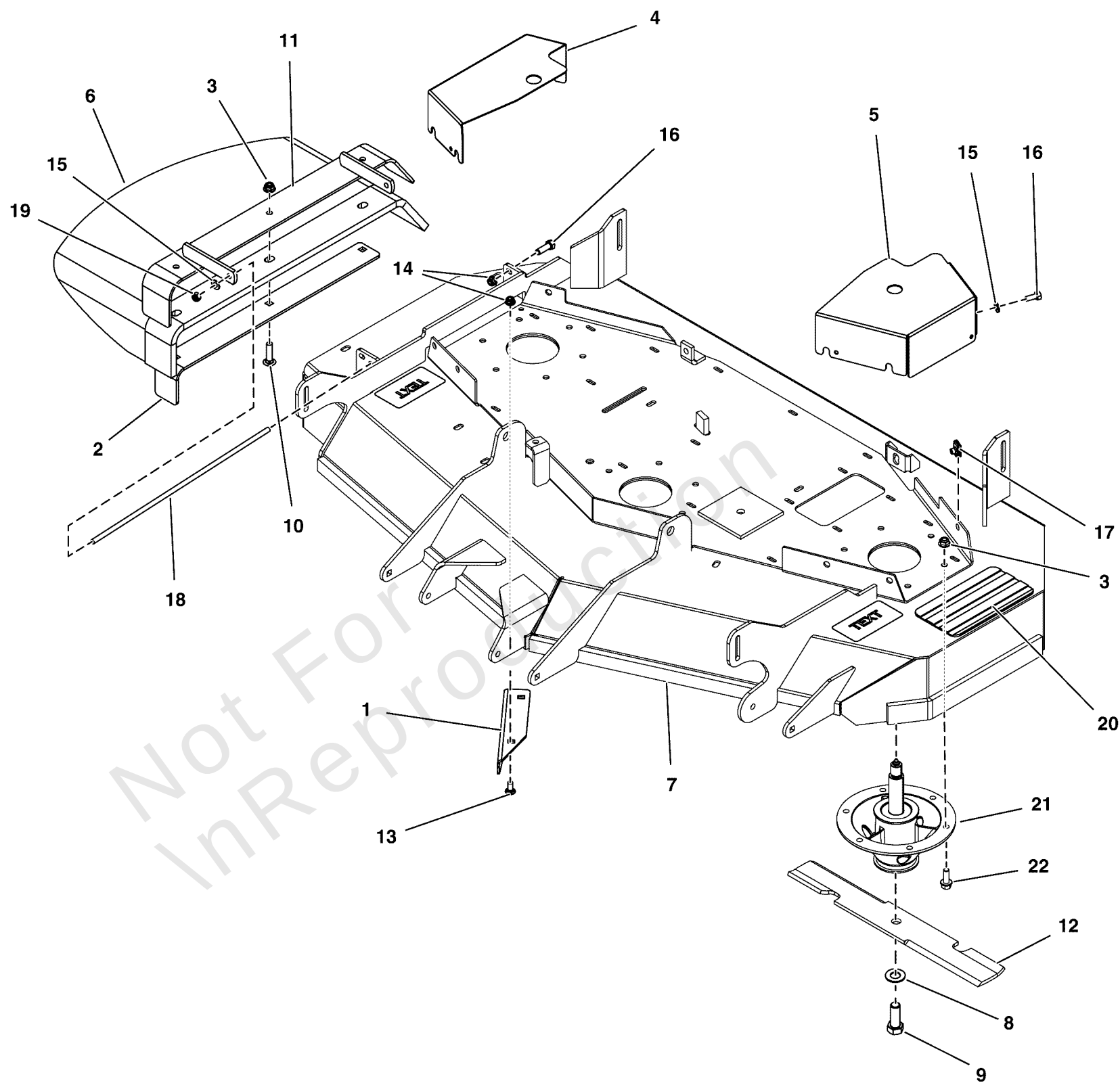
52" Mower Deck - Hanger Chains

REF NO	PART NO	QTY	DESCRIPTION
1	5050878X3	2	CHAIN, 5/16 GD30, 3 LINKS
2	80002736	2	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
3	5025013X14	6	BOLT, 3/8-16 X 1-3/4" GD5 CZ
4	5025156	16	WASHER, 3/8 SAE
5	5025100	4	NUT, 3/8-16 HEX SIDE LOCK
6	5025128	8	NUT, 3/8-16 HEX SERRATED FLANGE
7	5100375	2	CLEVIS, 5/16-18, 3/8 PIN HOLE, CLR ZINC
8	5025214X9	2	PIN, CLEVIS, 3/8 X 1-1/8, PLATED
9	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
10	5025034	4	NUT, 3/8-16 HEX
11	5025055X14	2	BOLT- 5/16-18 X 1-3/4 GD5 TFL
12	5025032	2	NUT, 5/16-18 HEX
13	5050878X4	2	CHAIN, 5/16" GD30, 4 LINKS

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843



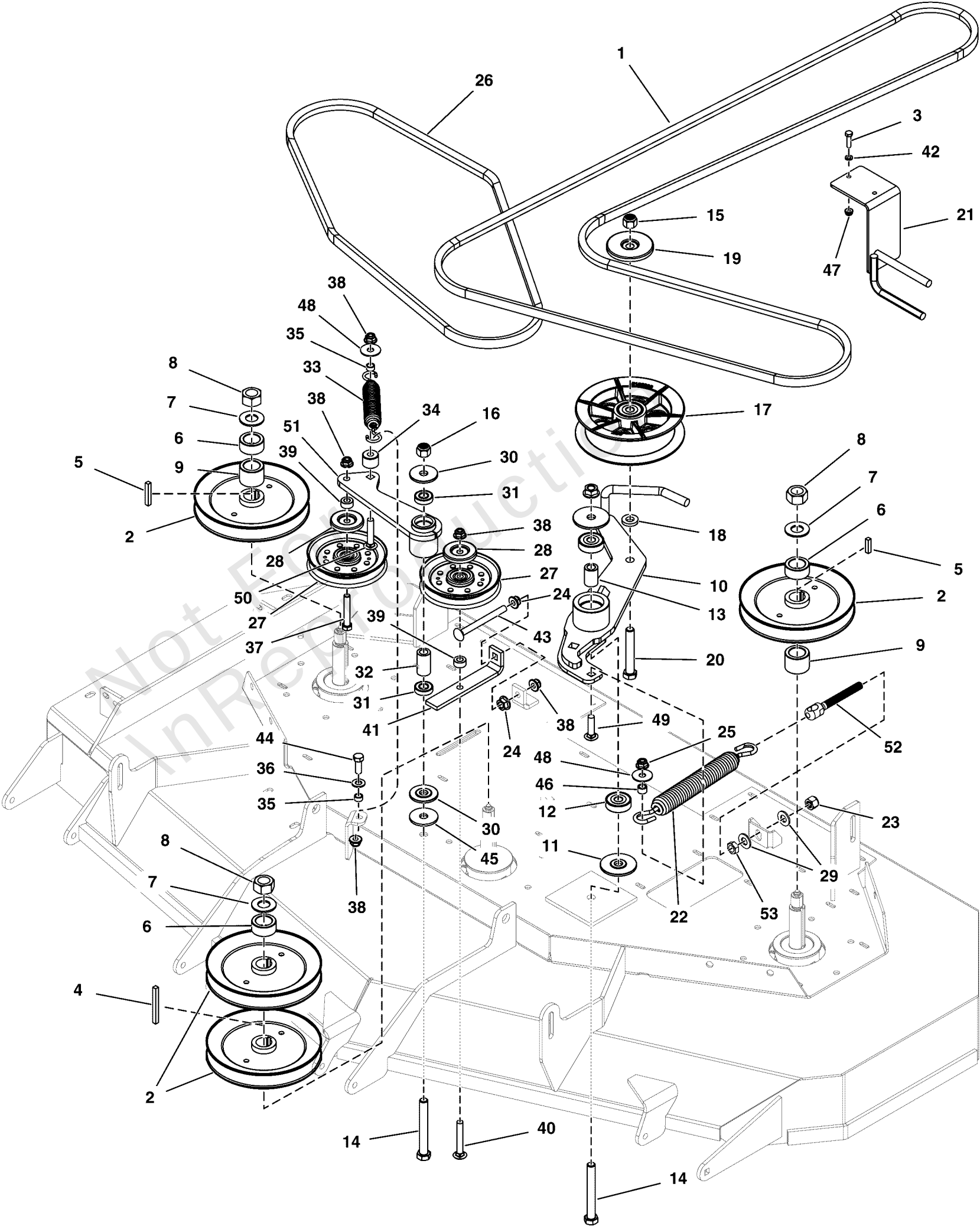
52" Mower Deck Group - Housing, Covers, Spindles & Blades

REF NO	PART NO	QTY	DESCRIPTION
1	5416910A	1	PLATE, DEFLECTOR, 52 DECK - BLK
2	5413398A	1	SUPPORT, DISCHARGE CHUTE - BLK
3	5025394	21	NUT, 3/8 - 16 HEX NYLOCK FLANGE
4	5418311B	1	GUARD, 52 DECK, RH - RED
5	5418310B	1	GUARD, 52 DECK, LH - RED
6	5413500	1	CHUTE, RUBBER DISCHARGE (5104442)
7	5601113	1	DECK SHELL W/ DECALS, IS2100Z-52 (5416940B) -(USA Models)
7	5601120	1	DECK SHELL W/DECALS, 2100-52E (5416940B) -(Export Models)
8	5025477	3	WASHER, BLADE BOLT, 9/16" F436, CZ
9	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8 -(Torque blade mounting bolts to 120 ft-lbs (163 Nm))
10	5025146X12	3	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
11	5413400A	1	WELD, MOUNT, DISCHARGE CHUTE - BLK
12	5101756S	3	BLADE, 18 X .25 X 2.5, 1 X 3.5 (SET OF THREE)
13	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
14	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
15	5025155	8	WASHER, 5/16" SAE
16	5025011X6	7	BOLT, 5/16-18 X 3/4 GD5
17	5022308	6	BODY CLIP, 5/16-18 7GA. MATERIAL
18	5061300	1	ROD, MOUNT, CHUTE, 61, CZ
19	5025045	2	NUT, Hex, Nylon Lock, 5/16-24
20	5101004	1	SAFETY WALK, 4.00 X 7.50
21	5104744	3	SPINDLE ASSM, CAST IRON 8.0-6 BOLT, LS
22	5025390X8	18	BOLT, Flange, 3/8-16 X 1 -(Torque spindle mounting bolts to 30 ft-lbs (41 Nm))

52" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

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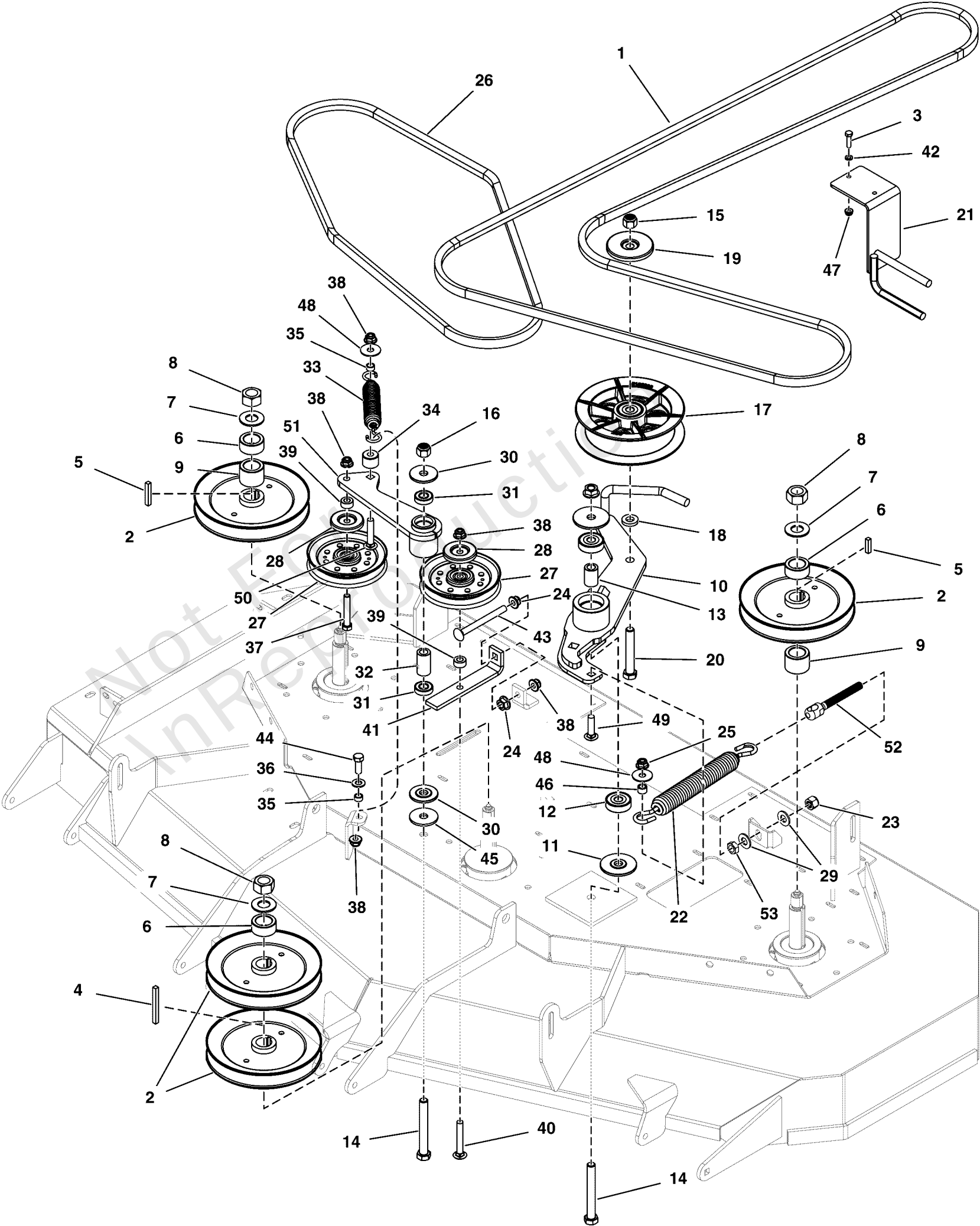
52" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

REF NO	PART NO	QTY	DESCRIPTION
1	5105029	1	BELT, 5V/SPB, 131.25 EL, LG ARAMID, WRPD
2	5105050	4	PULLEY, SPNDL, 5.980"OB X .985"ID
3	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
4	5050407X18	1	KEY, 1/4 SQ. x 2-1/4
5	5050407X8	2	KEY, 1/4" SQ. X 1.00"
6	5105047	3	SPACER, 1.00 X 1.50 X .70, BZ
7	5025406	3	WASHER, 3/4 BELLEVILLE CL/ZC
8	5025405	3	NUT, 3/4-16 Hex
9	5105048	2	SPACER, 1.00 X 1.50 X 1.14, BZ
10	5415288A	1	WELD, IDLER ARM, DECK DRIVE - BLK
11	5104379	2	SPACER, IDLER ARM, 1/2 X 2.25
12	5104383	2	BEARING, 6203-1/2", SEALED
13	5104456	1	SPACER, .51 X .84 X 1.22, PM, CZ
14	5025017X32	2	BOLT, 1/2-13 X 4" GD5 CZ
15	5025056	1	NUT, Hex, Nylon Lock, 1/2-13
16	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
17	5105009	1	PULLEY, IDLER, 5.50, CI, DBL BEARING
18	5100520	1	SPACER, .52 X 1.00 X .22, PM, CZ
19	5105041	1	SHIELD, PULLEY, 1/2"ID X 2-7/8"OD, CZ
20	5025017X26	1	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, CZ (SV)
21	5415993A	1	WELD, CLUTCH, BELT GUIDE - BLK
22	5105068	1	SPRING, EXT1.22"ODX10.5"FLX.192"WIRE BLK
23	5025098	1	NUT, Hex, Nylon Lock, 1/2-20
24	5025128	2	NUT, 3/8-16 Hex Large Serrated Flange
25	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
26	5105037	1	BELT, B-SEC, 55.30 EL, ARAMID, WRPD
27	5108772	2	PULLEY, V-IDLER, 5"OD X 3/8", CZ, TE
28	5105033	2	SHIELD, PULLEY, 3/8"ID X 2"OD, CZ
29	5025158	2	WASHER, 1/2 SAE
30	5103262	2	SPACER, IDLER ARM, 1/2, PM
31	7078243	2	BEARING, BALL, AXLE
32	5103812	1	SPACER, .52 X .84 X 1.53, PM
33	5022847	1	SPRING-EXT, 1.04 ODX6.935LGX.148WR, BLK
34	5043815	1	SPACER, .39 X 1.00 X .75, CZ
35	5041930	2	SPACER, .38 X .50 X .27, CZ
36	5025156	1	WASHER, 3/8 SAE
37	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
38	5025394	4	NUT, 3/8 - 16 HEX NYLOCK FLANGE
39	5105429	2	SPACER, .39 X 1.00 X .38
40	5025146X20	1	BOLT, 3/8-16 X 2-1/2, CARRIAGE, GD5, CZ
41	5415374A	1	PLATE, IDLER PULLER - BLK
42	5025154	2	WASHER, 1/4 SAE
43	5025146X36	1	BOLT, 3/8-16 X 4-1/2, CARRIAGE, GD5, CZ
44	5025013X8	1	BOLT, 3/8-16 X 1" GD5 CZ
45	5103282	1	WASHER, .52 X 1.75 X 0.14, CZ
46	5105297	1	SPACER, .39 X .63 X .375M DOM CZ
47	5025391	2	NUT, 1/4-20 Hex Nylock Flange
48	5025165	2	WASHER, 3/8" Fender
49	5025146X12	1	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
50	5025146X16	1	BOLT, 3/8-16 X 2, CARRIAGE, GD5, CZ
51	5416161A	1	WELD, IDLER ARM, 2 BELT DRIVE - BLK

52" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

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52" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

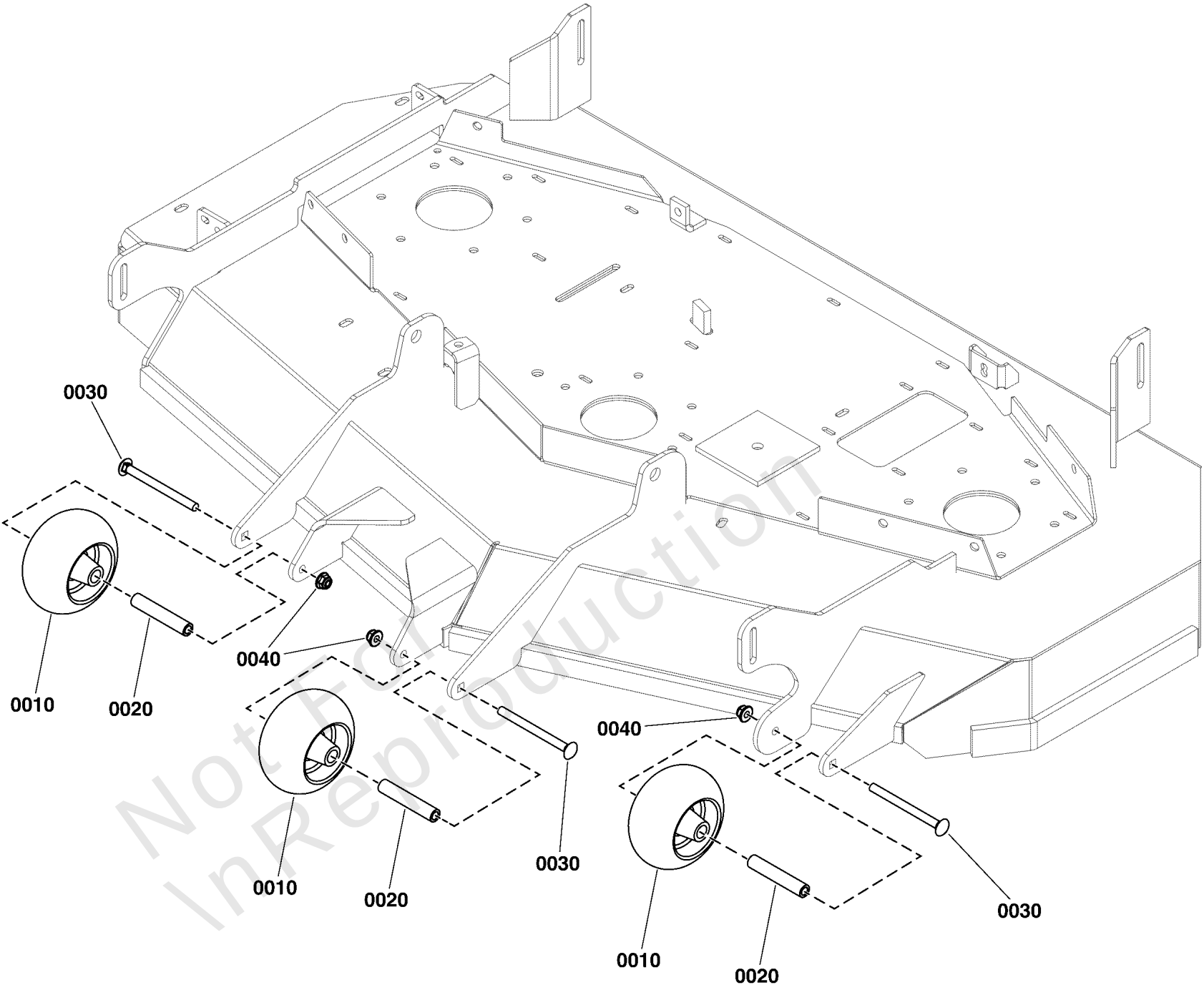
REF NO	PART NO	QTY	DESCRIPTION
52	5105844	1	SPRING PULLER, 1/2-20, 5.00
53	5025089	1	NUT, 1/2-20 Hex Jam

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52" Mower Deck Group - Rollers

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52" Mower Deck Group - Rollers

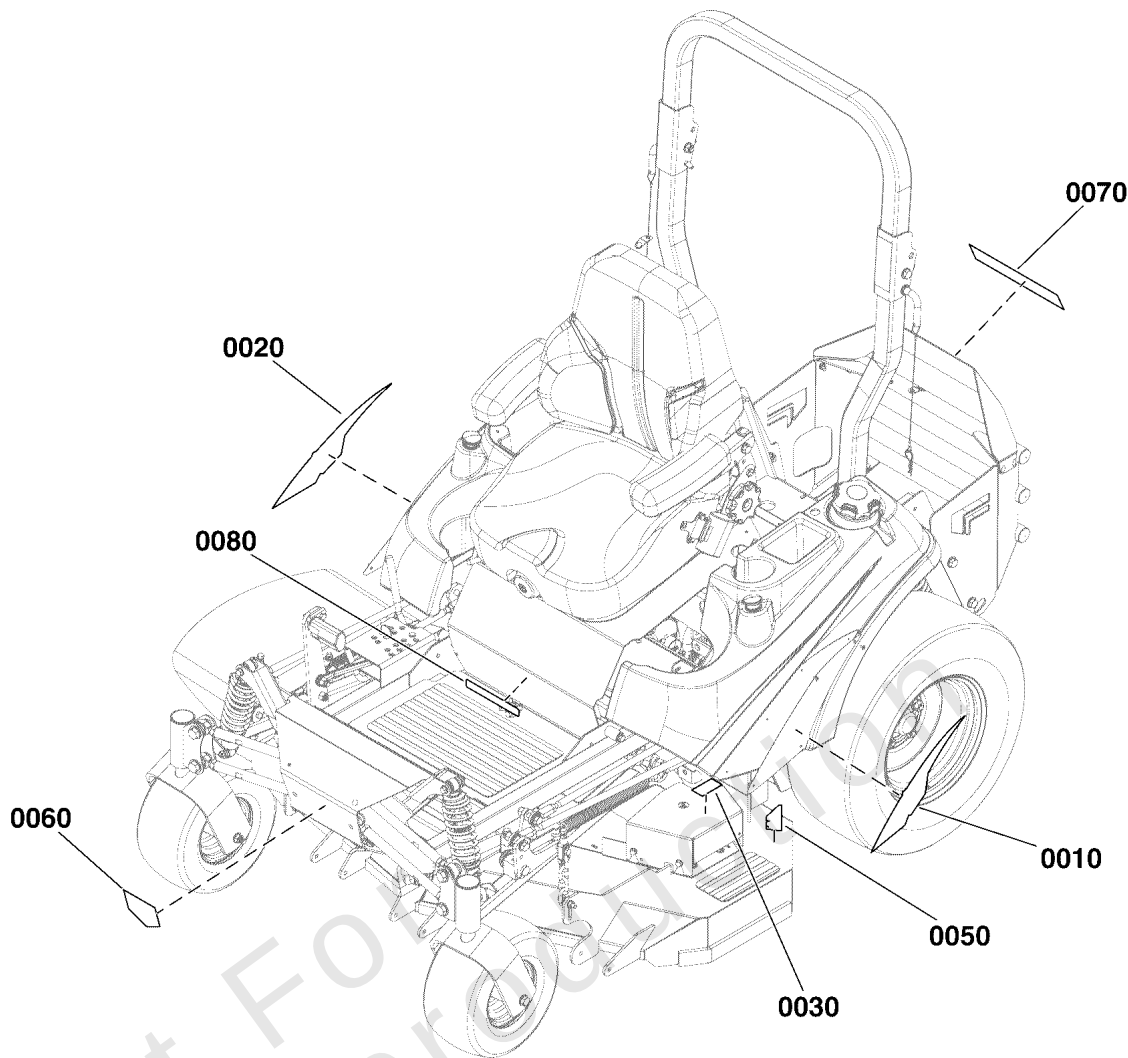
REF NO	PART NO	QTY	DESCRIPTION
0010	5105521	3	WHEEL, ANTI SCALP, 5"
0020	5105554	3	SPACER, .38 X .63 X 3.38, CZ
0030	5025146X36	3	BOLT, 3/8-16 X 4-1/2, CARRIAGE, GD5, CZ
0040	5025394	3	NUT, 3/8 - 16 HEX NYLOCK FLANGE

Not For InReproduction

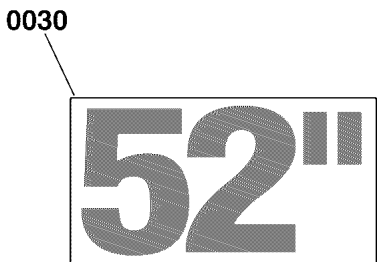
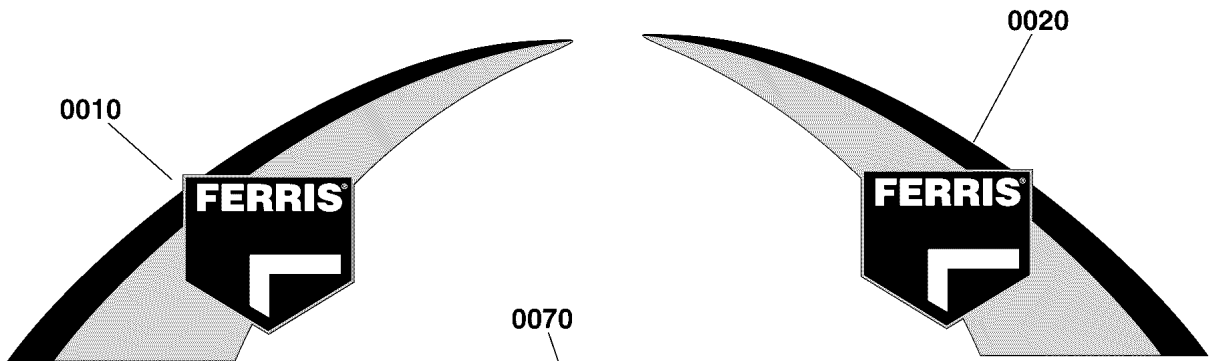
Decal Group - Brand and Model

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843



ISX 2200



FERRIS

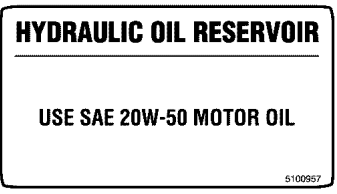
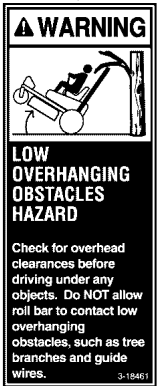
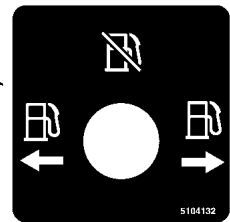
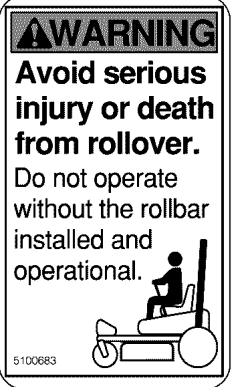
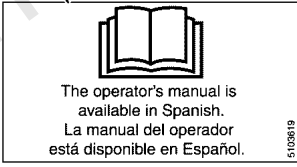
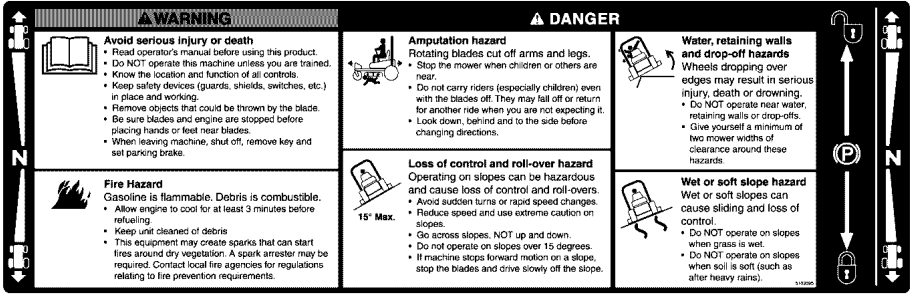
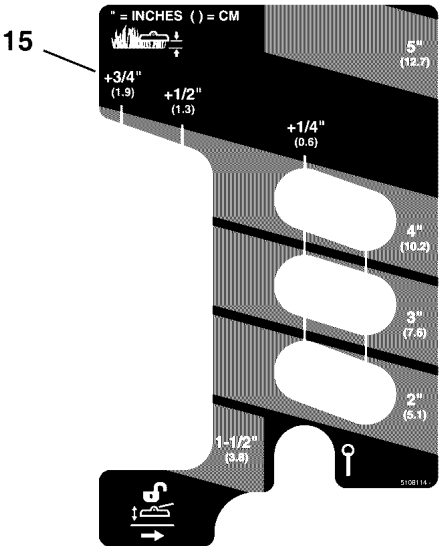
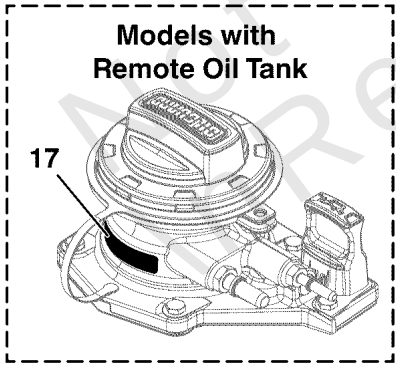
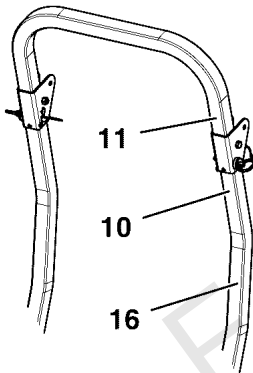
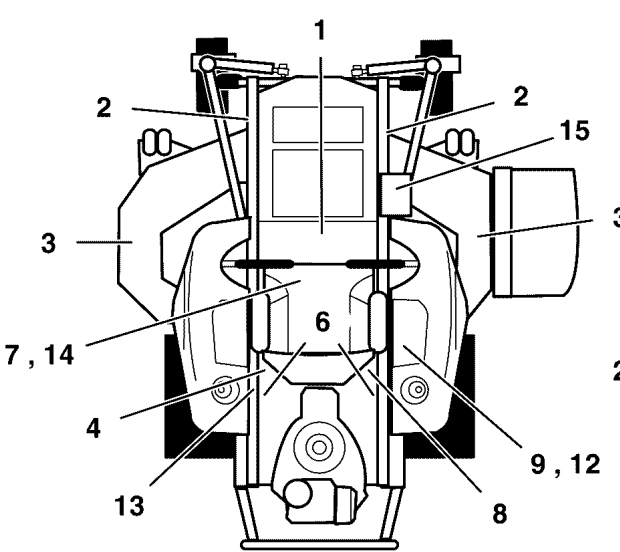


Decal Group - Brand and Model

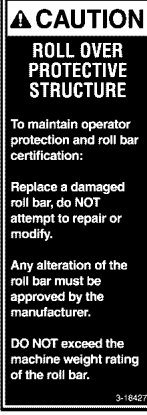
REF NO	PART NO	QTY	DESCRIPTION
0010	5104751	1	DECAL, TANK, MED, LH, FERRIS
0020	5104752	1	DECAL, TANK, MED, RH, FERRIS
0030	5022812	1	DECAL, 52
0050	5102210	1	DECAL, iCD CUTTING SYSTEM
0060	5104756	1	DECAL, FERRIS LOGO, SMALL
0070	5103799	1	DECAL, FERRIS LETTERS, 2.23 X 11.39
0080	5108271	1	DECAL, ISX2200

Not For InReproduction

5304894
5304895



Belts & Blades		
Tractor		
Pump Drive Belt		5103907
52" Mower		
Deck Drive Belt - Long LH		5105029
Deck Drive Belt - Short RH		5105037
Mower Blade		5101756S
61" Mower		
Deck Drive Belt - Long LH		5104982
Deck Drive Belt - Short RH		5104780
Mower Blade		5101755S



Decal Group - Safety & Operation USA Models

REF NO	PART NO	QTY	DESCRIPTION
1	5106563	1	DECAL, MAIN SAFETY
2	5061245	2	DECAL, PINCH POINT -(Qty: 1 - 52" Models)
3	7101665	2	DECAL, DANGER DO NOT OPERATE W/O DEFLECT
4	5103184	1	DECAL, WARNING, HAND IN BELT, ENG ONLY
5	5103619	1	DECAL, MANUAL AVAIL IN SPANISH
6	5100683	2	DECAL, WARNING, ROLL BAR -(Located on the front of the Roll bar pocket)
7	5104434	1	DECAL, TRANSAXLE RELEASE, ZT440
8	5100342	1	DECAL, FUEL VALVE
9	5100280	1	DECAL, THROTTLE CONTROL
10	5104082	1	DECAL, WARNING, FOLDING ROPS
11	5100405	1	DECAL, WARNING, OVERHAND, ROPS
12	5048970	1	DECAL, IGNITION SWITCH
13	5100957	1	DECAL, HYDRAULIC OIL, SAE 20W50
14	5105191	1	DECAL, BELT & BLADE IS2100Z COBALT 2BELT
15	5108114	1	DECAL, CUTTING HEIGHT
16	5104083	1	DECAL, CAUTION, FOLDING ROPS
17	-----	1	LABEL, OIL INFORMATION -(Models w/ Remote Oil Tank)

Deck Lift Group - Foot Pedal and Linkages

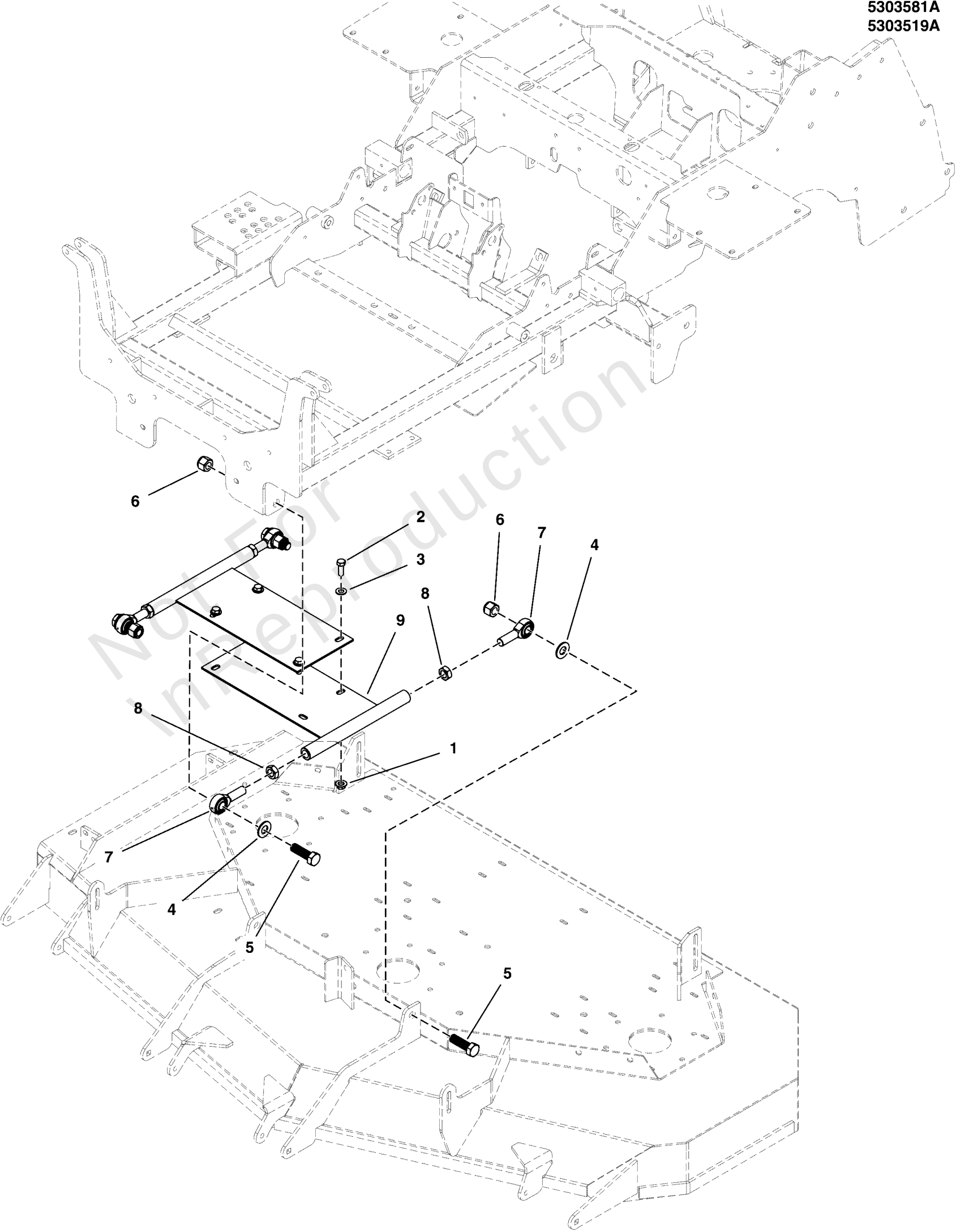
REF NO	PART NO	QTY	DESCRIPTION
0010	5104262	1	PEDAL, Rubber
0020	5020095	2	GREASE FITTING, 1/4-28 Straight
0030	5020441	4	COLLAR, 5/8" Split
0040	5010213	1	SPRING-EXT, .740 ODX2.025LGX.072WR, BLK
0050	5021811	1	EYE BOLT, 3/8-16 X 8, 3THRD, 1EYE, CZ
0060	5021880	1	GRIP, FOAM, .475 X 4.35 X .095
0070	5023343	8	BUSHING, 1.00 X 1.13 X 1.38, Plastic
0080	5023355	1	SPRING-EXT, 1.00 ODX13.25LGX.177WR, BLK
0090	5023498	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
0100	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
0110	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0140	5025017X14	2	BOLT, 1/2-13 X 1-3/4 GD5 CZ
0150	5025056	7	NUT, Hex, Nylon Lock, 1/2-13
0160	5025089	8	NUT, 1/2-20 Hex Jam
0170	5025096	1	NUT, Hex, Nylon Locking, 3/8-16
0190	5025288	2	WASHER, 1/4" Fender
0200	5025156	6	WASHER, 3/8 SAE
0210	5025203X6	1	* PIN, COTTER, 1/8" X 3/4
0220	5025212X4	1	PIN, CLEVIS, 1/4 X 1/2, PLATED
0240	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0250	5025443	6	BOLT, 3/8-16 X 3/4, PLT W/PATCH
0260	5045023	4	SPACER, .52 X 1.00 X .44, CZ
0270	5100380	1	* ADJUSTER, DECK HANGER
0280	5100548	6	WASHER, .390 X 1.50 X .109, YZ
0290	5100634	4	PIVOT BLOCK, PLASTIC
0300	5410317A	1	WELD, Rod, Deck Lift - BLK
0310	5104133	1	LINK, DECK LIFT, CAST IRON
0330	5401661A	1	WELD, DECK LIFT LEVER, LH - BLK
0340	5401662A	1	WELD, DECK LIFT LEVER, RH - BLK
0350	5105172	1	ASSM, DECK COMP LINK, LH-CAST
0360	5105173	1	ASSM, DECK COMP LINK, RH-CAST
0370	5401671A	1	WELD, DECK LIFT LEVER, LH - BLK
0380	5401672A	1	WELD, DECK LIFT LEVER, RH - BLK
0390	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
0400	5410897A	1	WELD, DECK LIFT SHAFT - BLK
0420	5061569A	1	PEDAL, FOOT - BLK
0490	5025017X16	1	BOLT, 1/2-13 X 2" GD5 CZ
0500	5104004	2	ROD, 1/2-20 X 24.50
0510	5103758	2	ROD, DECK LIFT, 19.25, CZ
0520	1702779	8	JOINT-BALL .500-20 THD .500ID, CLR ZINC
0530	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0540	5025017X26	2	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, CZ (SV)
0550	5100520	2	SPACER, .52 X 1.00 X .22, PM, CZ
0560	5025017X18	2	BOLT, 1/2-13 X 2-1/4" GD5 CZ
0570	5025034	1	NUT, 3/8-16 HEX, YZ
0580	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
0590	5023356	4	BUSHING, 1.00 X 1.13 X .75, PLASTIC
0600	5103703	2	ROD, SUSPENSION LINK, IS700, CZ
0610	5025158	7	WASHER, 1/2 SAE
0620	5411634A	1	MOUNT, SPRING, DECK LIFT - BLK
0630	5020929	1	SHIM, 1.0 X 1.5 X 0.125

Deck Lift Group - Puller Bar

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303581A
5303519A



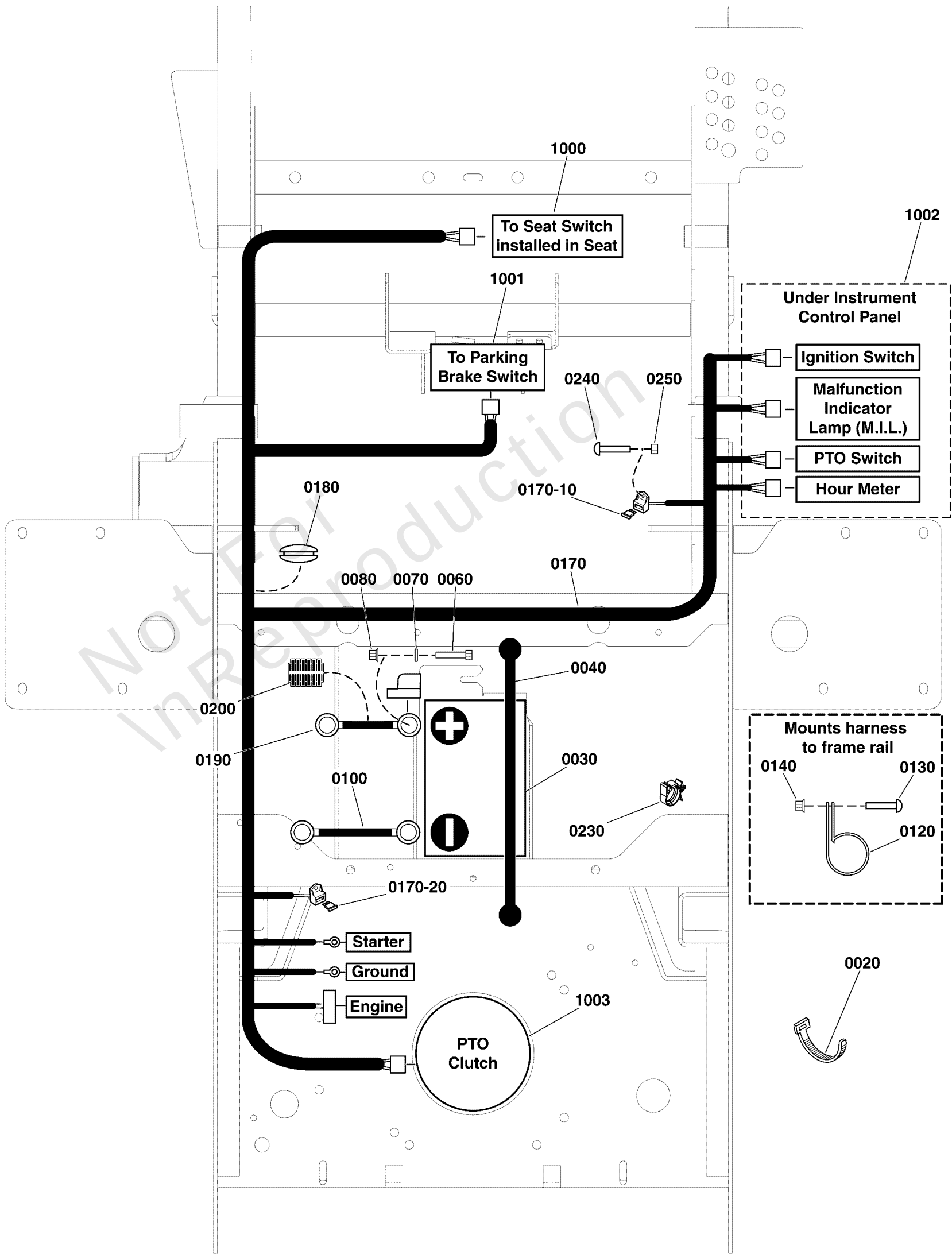
Deck Lift Group - Puller Bar

REF NO	PART NO	QTY	DESCRIPTION
1	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE
2	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
3	5025293	4	WASHER, 3/8 GD.9 FLAT
4	5025281	4	WASHER, 5/8 SAE
5	5025019X16	4	BOLT, 5/8-11 X 2 GD5, CZ
6	5025403	4	NUT,5/8-11 HEX NYLON LOCK
7	5102683	4	BALL JOINT, 5/8-18, MALE
8	5025454	4	NUT, 5/8-18, HEX JAM
9	5411858A	2	WELD, DECK STABILIZER, IS2100Z - BLK

Electrical Group - Fuel Injected Models

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843



Electrical Group - Fuel Injected Models

REF NO	PART NO	QTY	DESCRIPTION
0020	5021029	13	TIE, SELF-LOCKING, 12"
0030	-----	1	BATTERY, WET (BCIU1, 340 CCA)
0040	1722009	1	STRAP, BATTERY, 14 LONG, Rubber
0060	5025010X8	3	BOLT, 1/4-20 X 1" GD5 CZ
0070	5025154	5	WASHER, 1/4 SAE
0080	5025126	6	NUT, Hex, Serrated Flange, 1/4-20
0100	5047690	1	BATTERY CABLE, NEG, 14, 5/16-13/32
0120	5021500	2	CLAMP, VINYL INSULATED, 1.00
0130	5025299X8	2	SCREW, 1/4-20 X 1, ALLEN BH, CZ
0140	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0170	5105535	1	HARNESS, Wiring, Large ZTR
0170-10	5102710	1	FUSE, ATO, 25 AMP
0170-20	5101935	1	FUSE, ATO-15 (15 AMP)(SV)
0180	5102677	1	GROMMET, 1-1/2" ID FOR 1/4" METAL
0190	5021405	1	BATTERY CABLE, POS, 22, 1/4-5/16
0200	5050927X16	1	WIRE LOOM, 3/8 ID X 16 IN
0230	5104705	2	ROSEBUD LOOM CLIP
0240	5025179X4	2	SCREW, #10-24 X 1/2" ROUND PHILLIPS
0250	5025271	2	NUT, Hex, Nylon Lock, #10-24
1000	-----	1	Refer to: Seat Mount & Floor Group
1001	-----	1	Refer to: Parking Brake Group
1002	-----	1	Refer to: Instrument Control Panel Group
1003	-----	1	Refer to: Engine & PTO Group

Electrical Schematic - Charging Circuit - B&S 49E877 EFI S/N: 2017954956 & Above

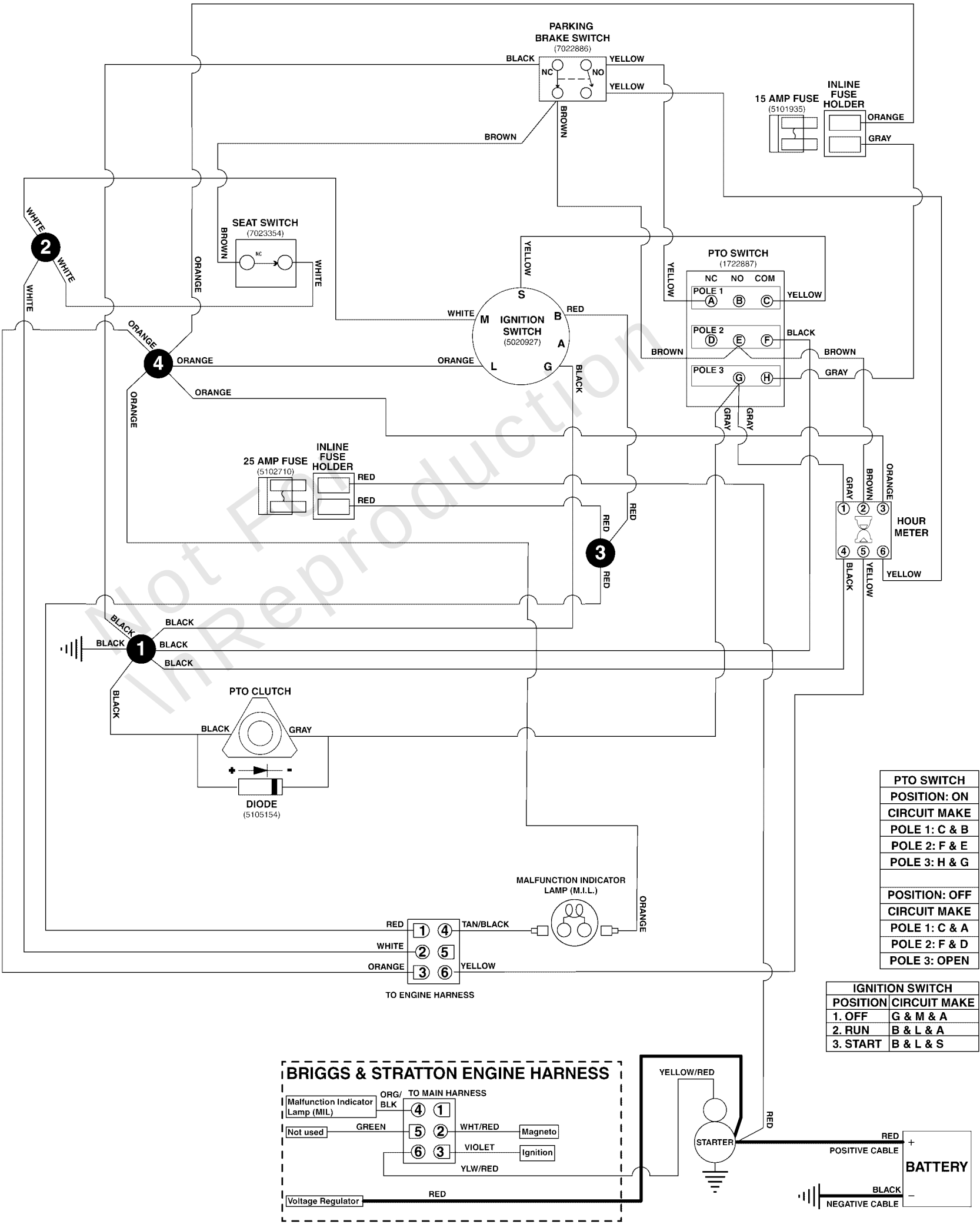
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 49R977 ENGINES

5105535E

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



Electrical Schematic - Charging Circuit - B&S 49E877 EFI S/N: 2017954956 & Above

REF NO	PART NO	QTY	DESCRIPTION
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Not For InReproduction

Electrical Schematic - Cranking Circuit - B&S 49E877 EFI S/N: 2017954956 & Above

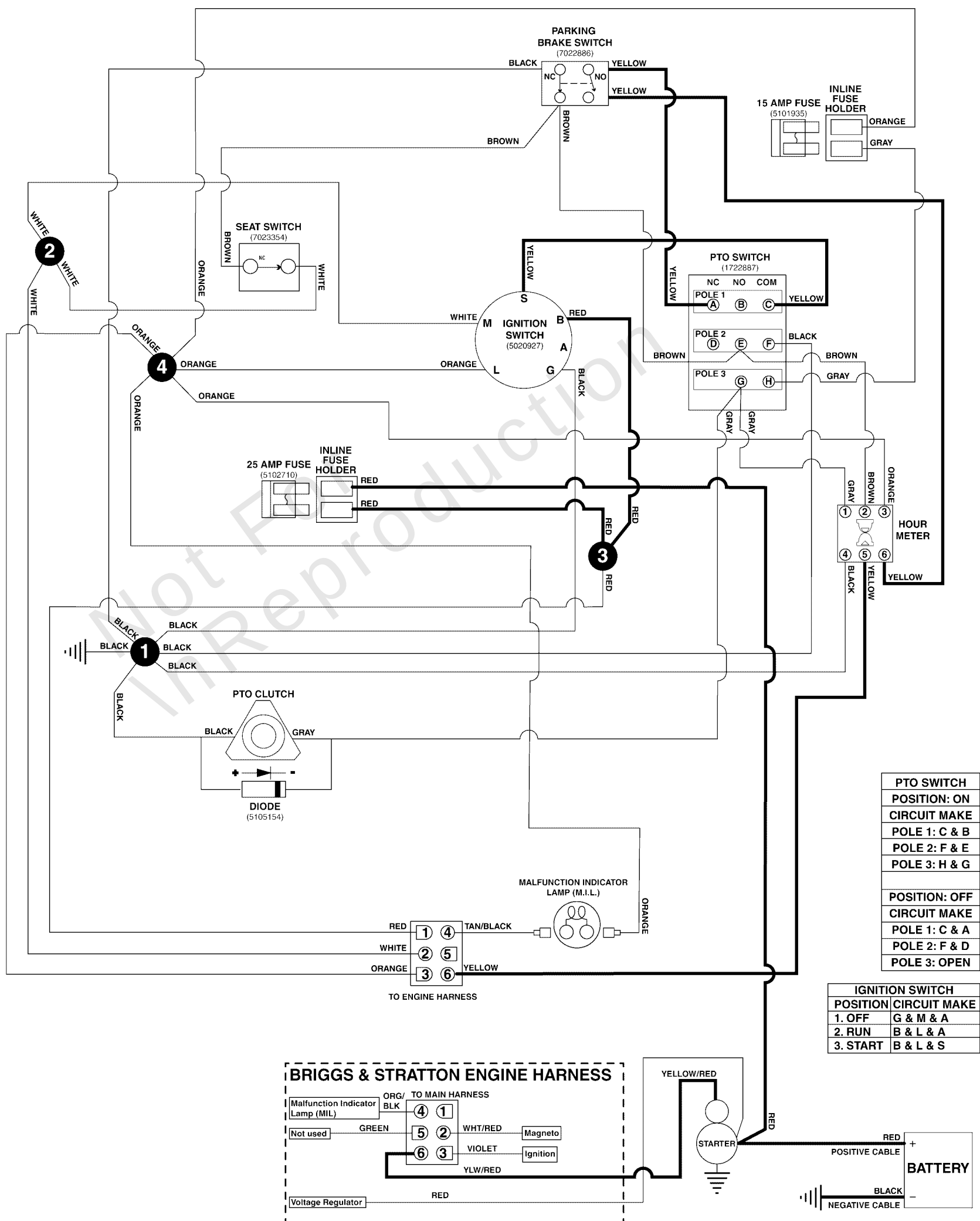
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 49R977 ENGINES

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)

5105535E



Electrical Schematic - Cranking Circuit - B&S 49E877 EFI S/N: 2017954956 & Above

REF NO	PART NO	QTY	DESCRIPTION
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Not For In Reproduction

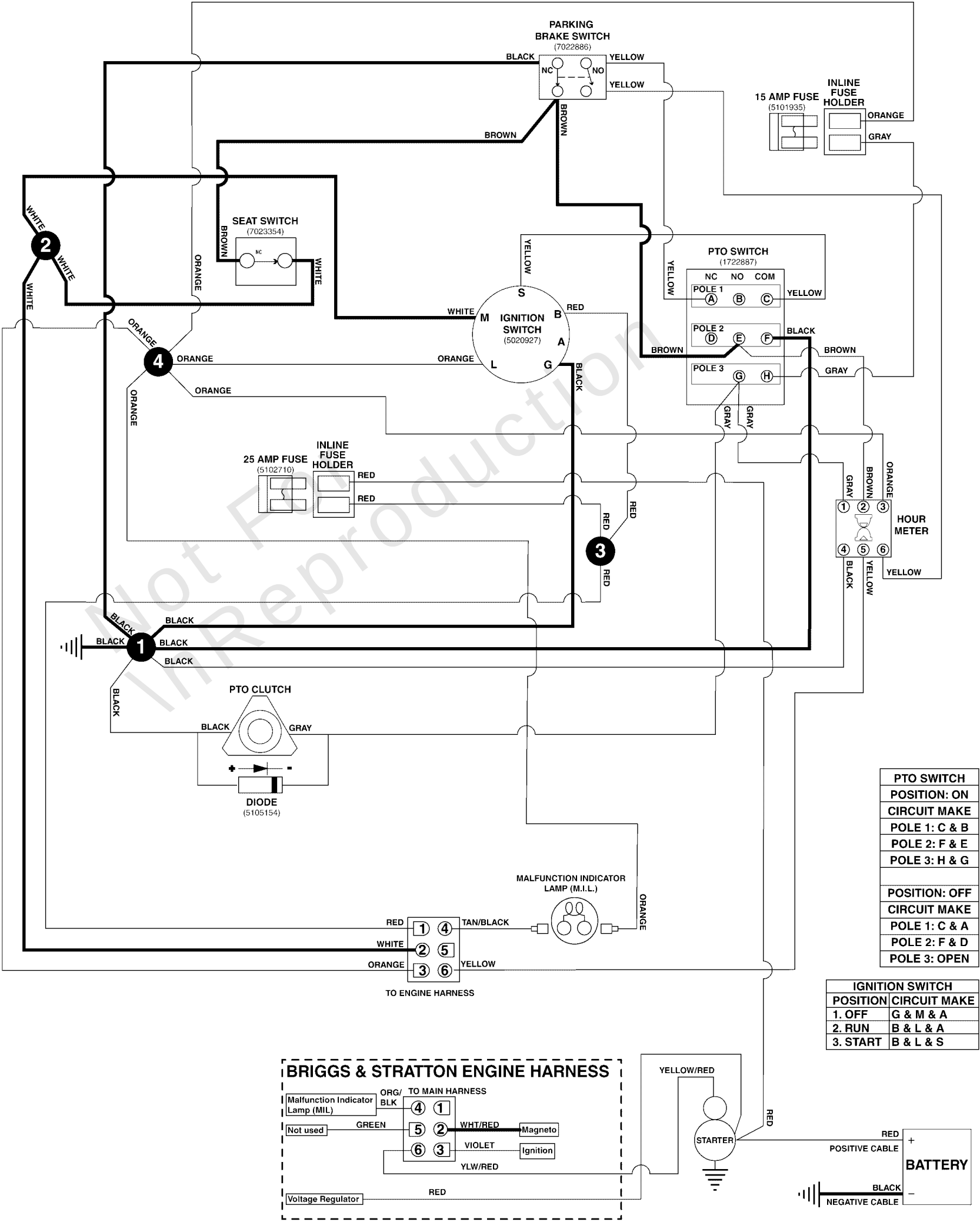
Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 49E877 EFI S/N: 2017954956 &

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901843

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 49R977 ENGINES

5105535E

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 49E877 EFI S/N: 2017954956 &

REF NO	PART NO	QTY	DESCRIPTION
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Not For In Reproduction

Electrical Schematic - PTO Clutch Circuit - B&S 49E877 EFI S/N: 2017954956 & Above

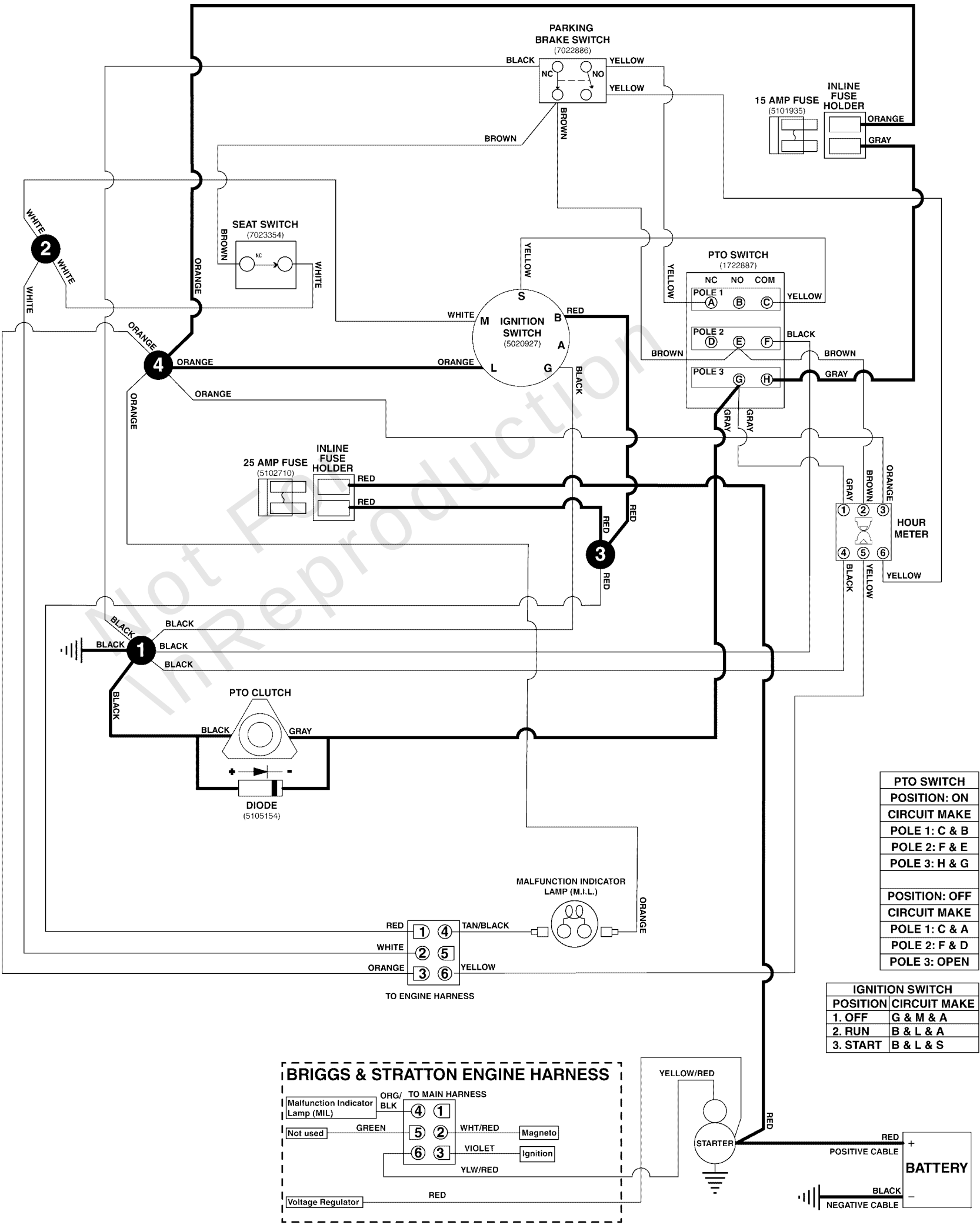
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 49R977 ENGINES

5105535E

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



Electrical Schematic - PTO Clutch Circuit - B&S 49E877 EFI S/N: 2017954956 & Above

REF NO	PART NO	QTY	DESCRIPTION
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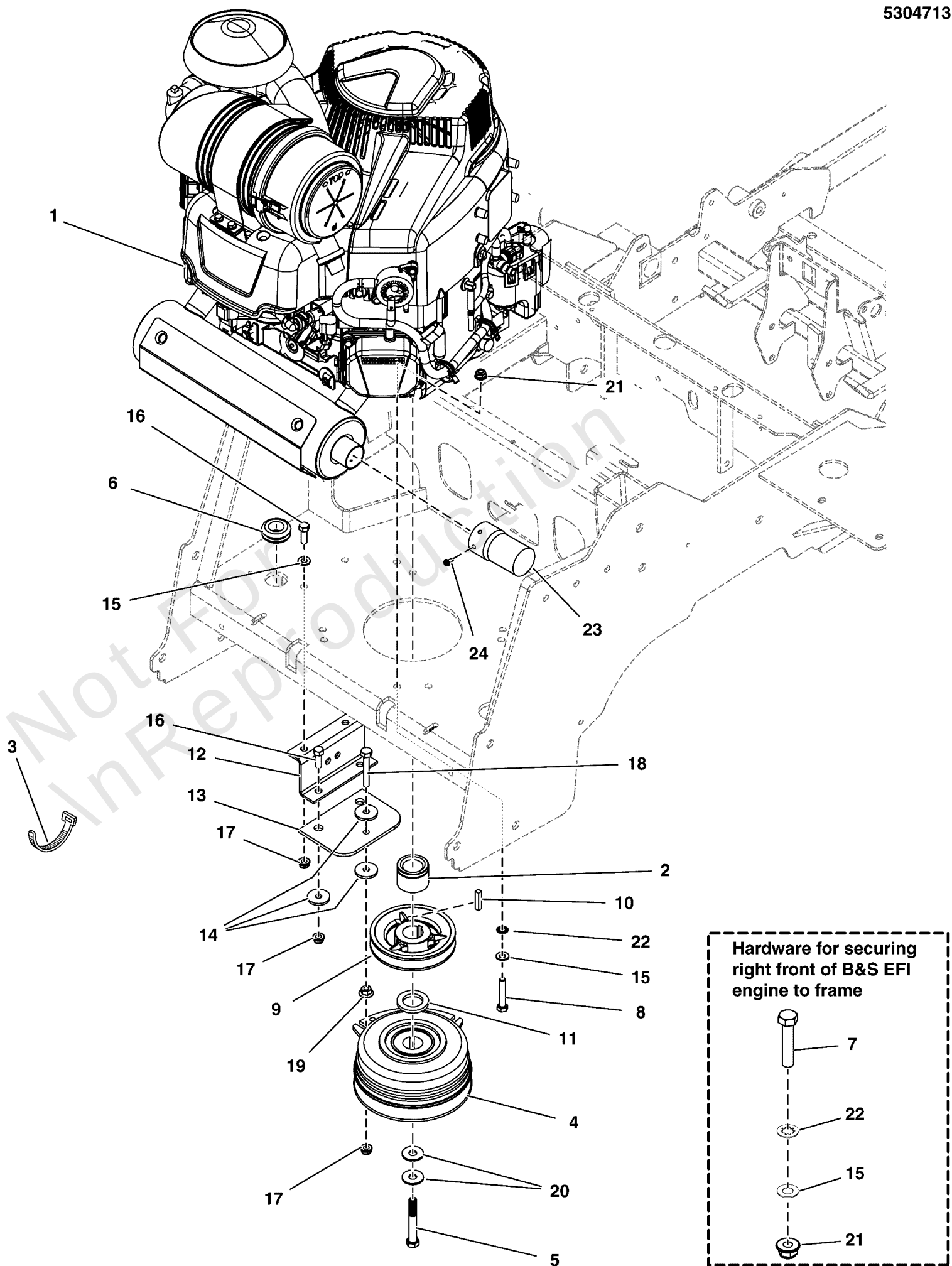
Not For InReproduction

Engine & PTO Group - Briggs & Stratton EFI (Remote Oil Tank)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5304713E



Engine & PTO Group - Briggs & Stratton EFI (Remote Oil Tank)

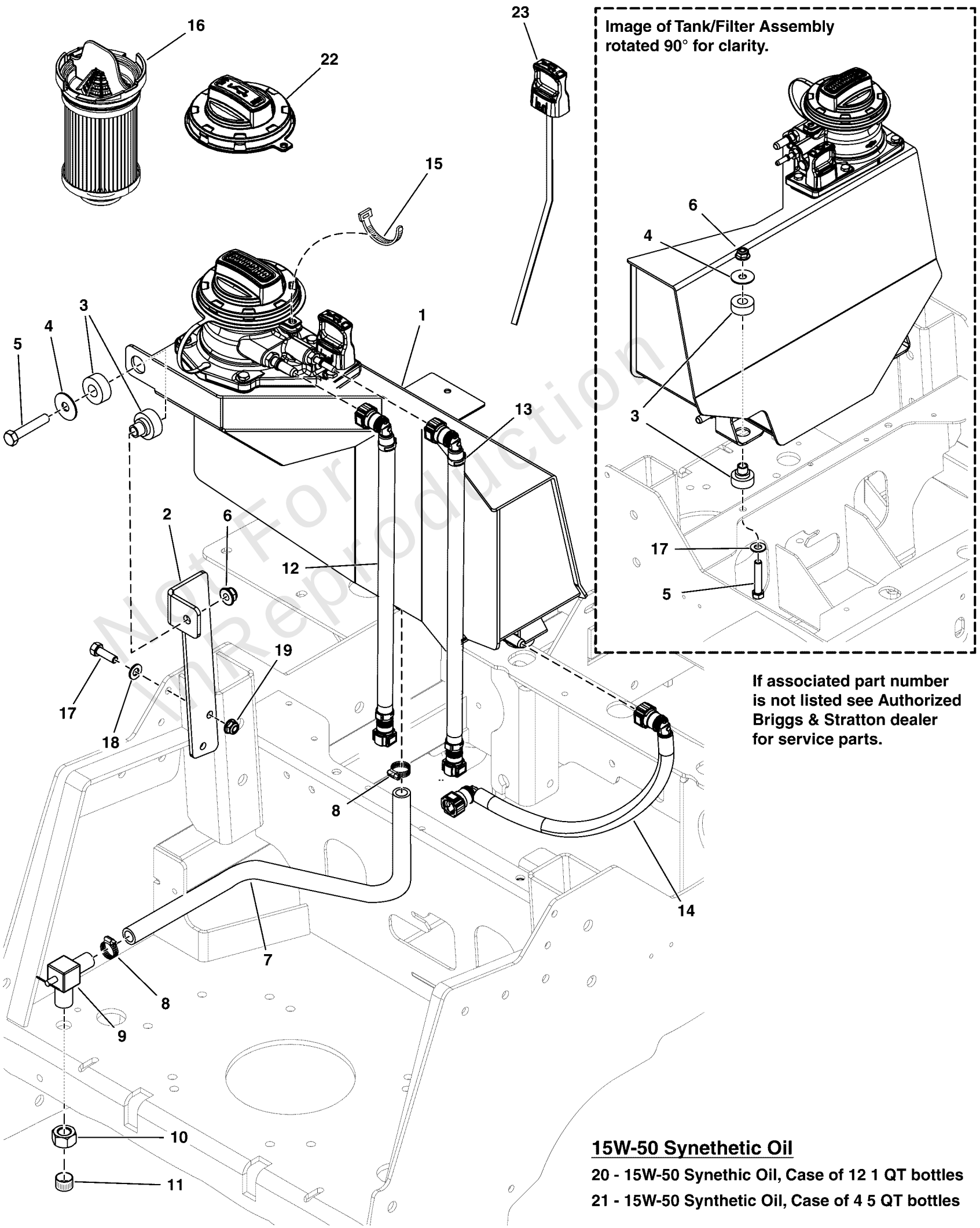
REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	ENGINE, 28HP EFI, B&S, W/MUF, OIL GUARD -(Muffler available through engine manufacturer)
2	5100926	1	SPACER, 1.13 X 1.75 X 1.35, CZ
3	5101492	1	TIE, SELF-LOCKING, 24" -(Secures PTO Clutch wire to Clutch Anchor)
4	5105090	1	CLUTCH WARNER 200 FT-LB 1.13 X 6.323
5	5102866	1	BOLT, CRANKSHAFT, 7/16-20 X 3, GD8 -(Torque clutch mounting bolt to 65 ft-lbs (88 Nm))
6	5103944	1	GROMMET, 7/8"ID, 1/4" THICK STK
7	5025025X12	1	BOLT-HEX, 5/16-24 X 1-1/2", GD8, PHOS -(Torque engine mounting bolts to 17 ft-lbs (23 Nm))
8	5025025X14	3	BOLT, 5/16-24 X 1-3/4, GD8, PHOS -(Torque engine mounting bolts to 17 ft-lbs (23 Nm))
9	5021682	1	PULLEY, 4.75 OD X 1-1/8 BORE, BC-48
10	5050407X10	1	KEY, 1/4" SQ. X 1-1/4
11	5046904	1	SPACER, 1.13 x 1.75 x .25
12	5410367A	1	ANCHOR, CLUTCH, IS600-IS700 - BLK
13	5043636	1	CLUTCH ANCHOR PAD
14	5044617	4	WASHER, .34 X 1.25 X 10 GA
15	5025155	4	WASHER, 5/16" SAE
16	5025011X8	6	BOLT, 5/16-18 X 1" GRD5 YZ
17	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
18	5025055X18	1	BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ
19	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
20	5025585	2	BELLEVILLE WASHER, 1.1875 X .442 X .098
21	5025616	4	NUT, 5/16-24, TOP LOCK FLANGE, GD8 PHOS
22	5025188	4	WASHER, 5/16" Internal Tooth Lock
23	5104348	1	EXTENSION, TAILPIPE, 3" - BLACK
24	5025470	1	SCREW, SELF-TAP, #8-32 X 3/8. WASH HEX, CZ

Engine Remote Oil Tank, Hoses, & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

53047130G



Engine Remote Oil Tank, Hoses, & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	595944	1	TANK, Oil -(Refer to Note: *)
2	5415332A	1	MOUNT, TANK TOP, 2100 - BLK
3	5023131	3	MOUNT, ISO, BOTTOM, RAD 5000Z-DIESEL
4	5025165	3	WASHER, 3/8" Fender
5	5025013X16	3	BOLT, 3/8-16 X 2, GD5, CZ
6	5025394	3	NUT, 3/8 - 16 HEX NYLOCK FLANGE
7	5105525	1	HOSE, 1/2" X 7/8" OD X 22" LONG
8	5021392	2	CLAMP, #6 HOSE, STAINLESS
9	5105177	1	VALVE, OIL DRAIN, M16X1.5 TO 1/2"
10	5105318	1	NUT, HEX, M16-1.5, DAPCO 4071
11	5105317	1	OIL DRAIN CAP, OIL GUARD, DAPCO 4692
12	595937	1	HOSE, Oil Supply -(Refer to Note: *)
13	595939	1	HOSE, Oil Scavenge -(Refer to Note: *)
14	595942	1	HOSE, Oil Vent -(Refer to Note: *)
15	-----	1	TIE, Cable, Yellow 7.6"
16	595930	1	FILTER, Oil
17	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
18	5025155	2	WASHER, 5/16" SAE
19	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
20	5105281	1	OIL, 15W-50, SYNTHETIC, CASE X 12- 1QT
21	5105282	1	OIL, 15W-50, SYNTHETIC, CASE X 4- 5QT
22	595931	1	CAP, Oil Fill
23	595933	1	DIPSTICK

Footnotes:

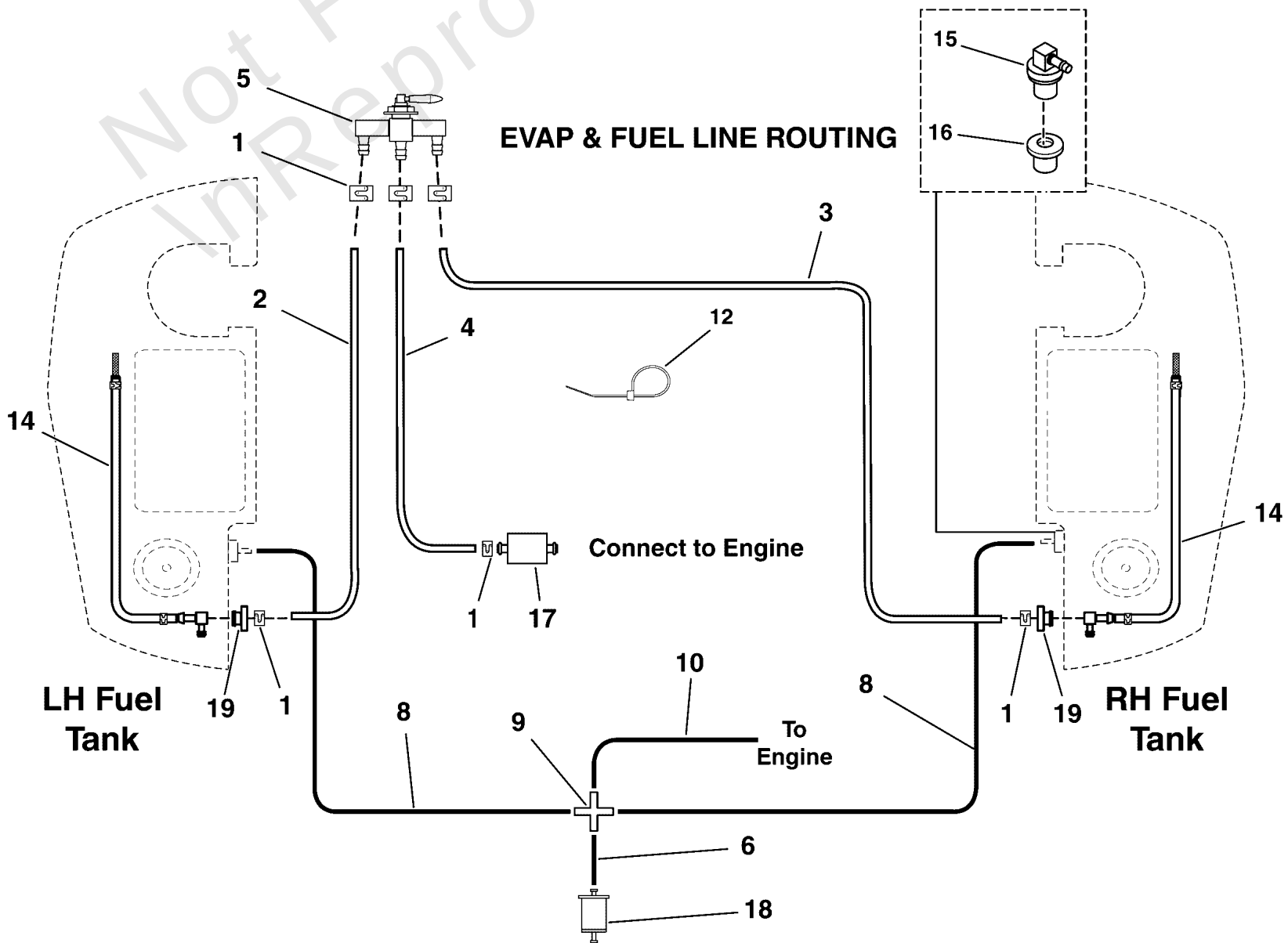
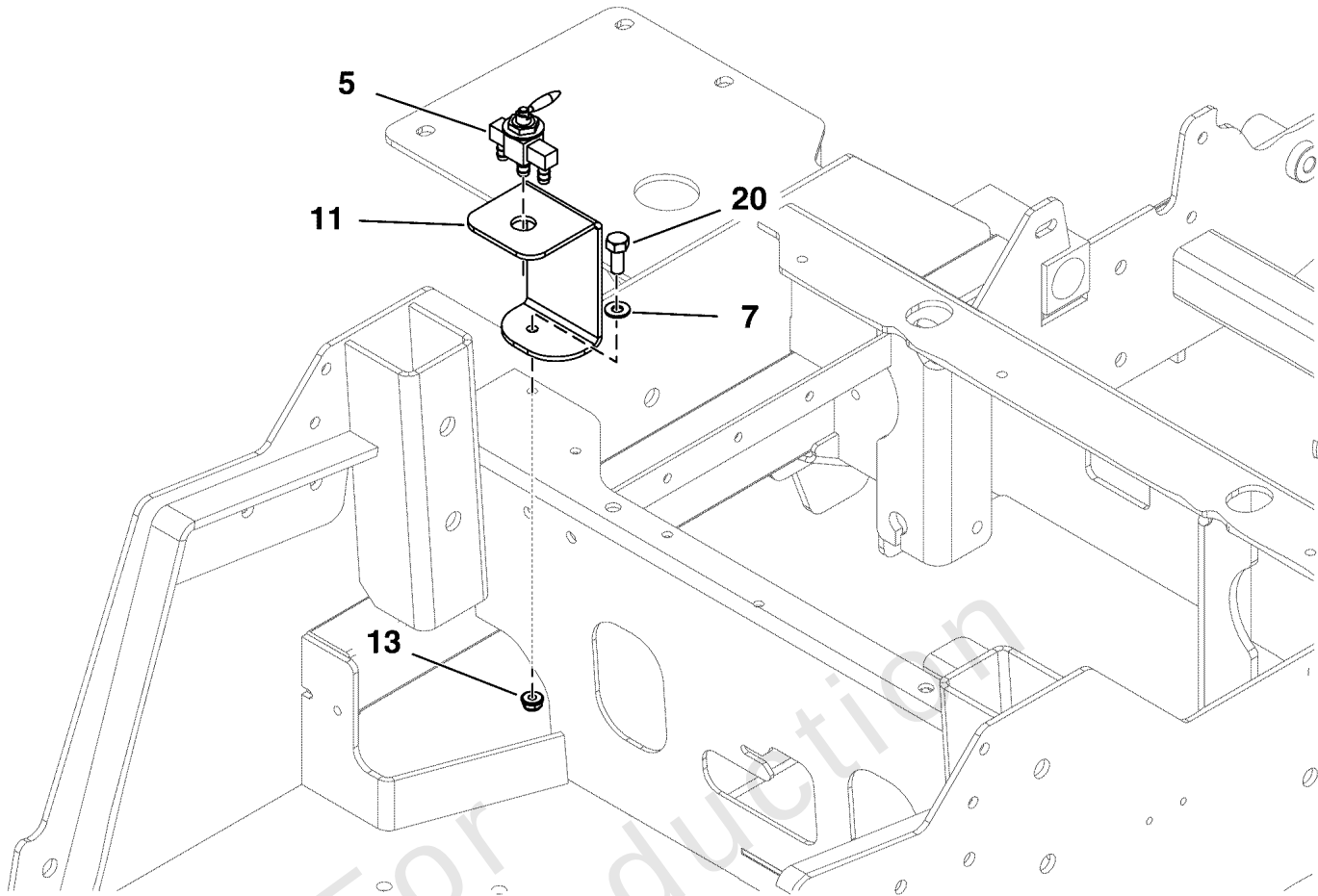
Note: *Order Oil Guard replacement parts from your Authorized Briggs & Stratton Engine Service Provider

Fuel Supply Hose, Tank Replacement Parts, and EVAP Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303527B 5303818B



Fuel Supply Hose, Tank Replacement Parts, and EVAP Group

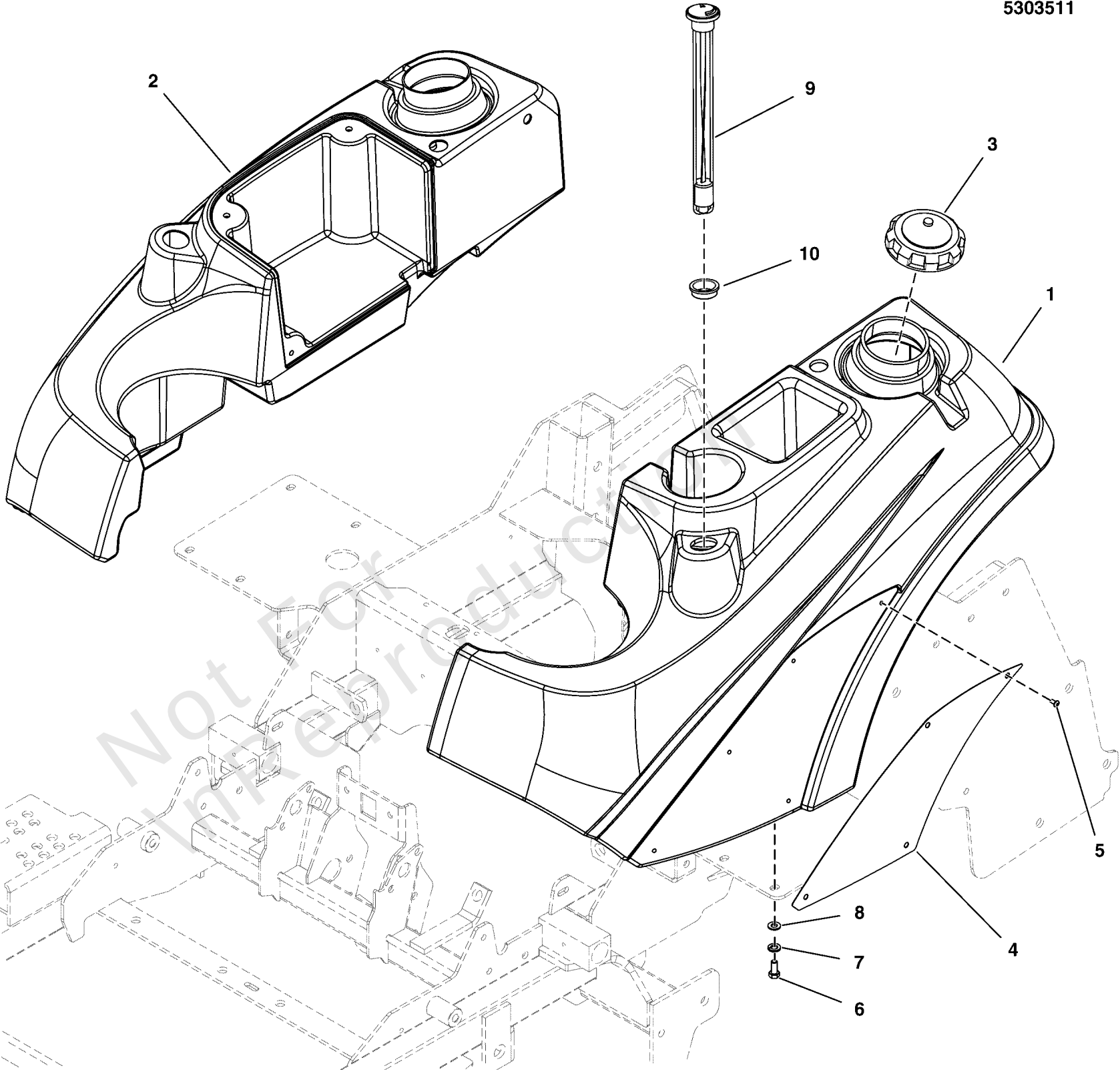
REF NO	PART NO	QTY	DESCRIPTION
1	93807	6	CLAMP, Hose
2	5050831X11	1	1/4" Fuel Line, 11" Long
3	5050831X27	1	HOSE, 1/4" FUEL, 27.00"
4	5050831X22	1	1/4" Fuel Line, 22" Long
5	5023358	1	VALVE, FUEL STRAIGHT, OUTLET
6	7700552X3	1	HOSE, VAPOR, 5MM ID, 3.00 LG
7	5025155	1	WASHER, 5/16" SAE
8	7700552X23	2	HOSE, VAPOR, 5MM ID, 23.00 LG
9	5105394	1	FITTING, BARBED CROSS, 3/16" BLK NYLON
10	7700552X17	1	HOSE, VAPOR, 5MM ID, 17.00 LG
11	5415357A	1	MOUNT, FUEL VALVE, 2100Z - BLK
12	5021030	4	TIE, SELF-LOCKING, 6"
13	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
14	5101144	2	PICKUP TUBE ASSEMBLY, FUEL LINE (SV)
15	770046	2	REMOTE VENT ASSEMBLY
16	209043	2	GROMMET (SV)
17	5021178X3	1	FUEL FILTER (SV)
18	80025019	1	FILTER, FUEL
19	1726400	2	BUSHING-FUEL TANK RED RUBBER (SV)
20	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5

Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303511



Fuel Tank & Mount Group

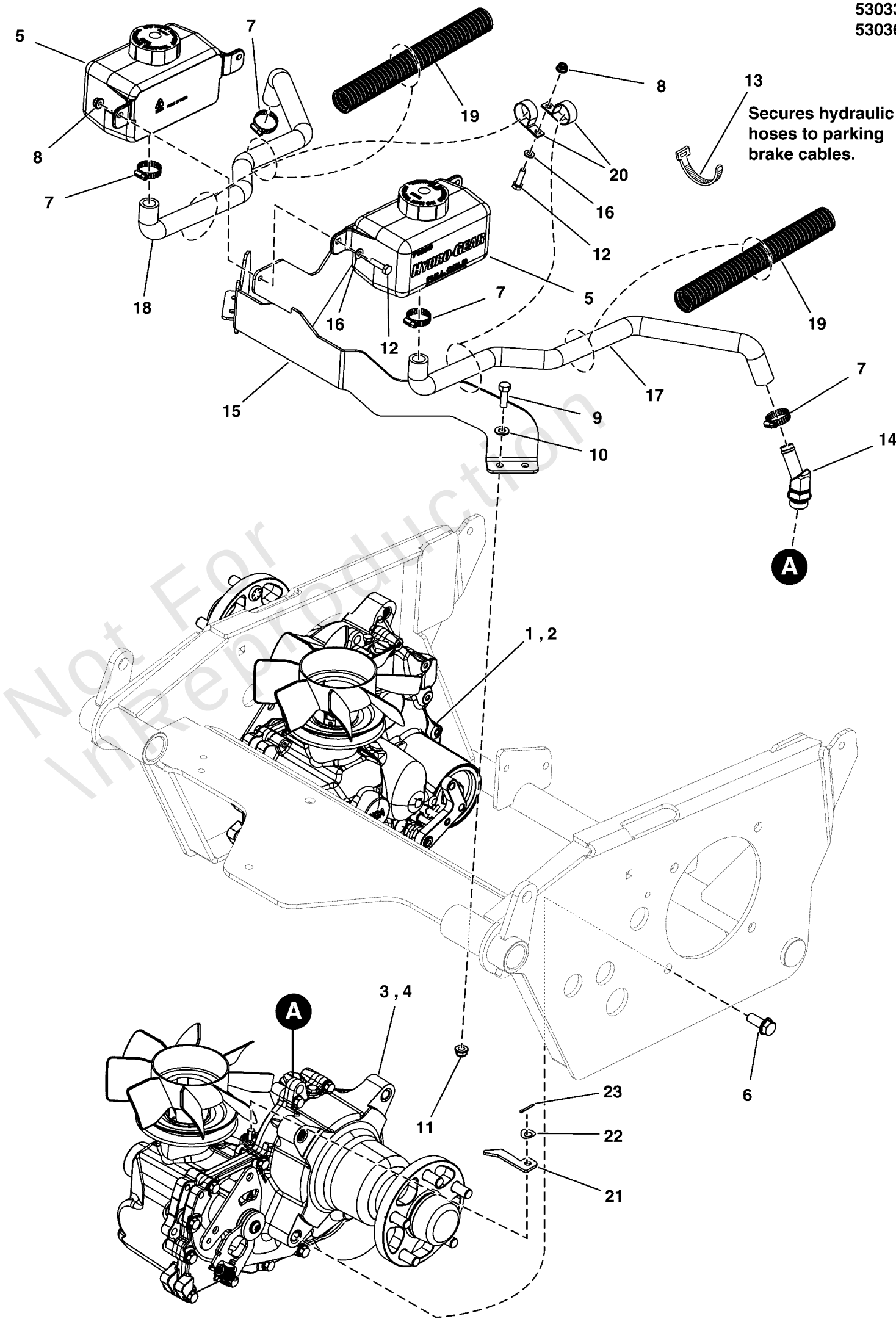
REF NO	PART NO	QTY	DESCRIPTION
1	5108364	1	TANK, FUEL, LEFT
2	5108363	1	TANK, FUEL, RIGHT
3	5103005	2	FUEL CAP, 3-1/2", MANAGED VENT OUT, 12"
4	5401095B	2	BADGE, IS2000 - IS3000 - RED
5	5025386	8	SCREW, #10-24 X 3/8 ALLEN BHBZ
6	5025011X6	8	BOLT, 5/16-18 X 3/4 GD5
7	5025170	8	WASHER, 5/16 LOCK YZ
8	5025292	8	WASHER, 5/16 F436 FLAT
9	5022917	2	GAUGE, FUEL, 12 (SV)
10	5022917X1	2	GROMMET, FUEL GAUGE (SV)

Hydraulic Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303399B
5303601B



Hydraulic Group

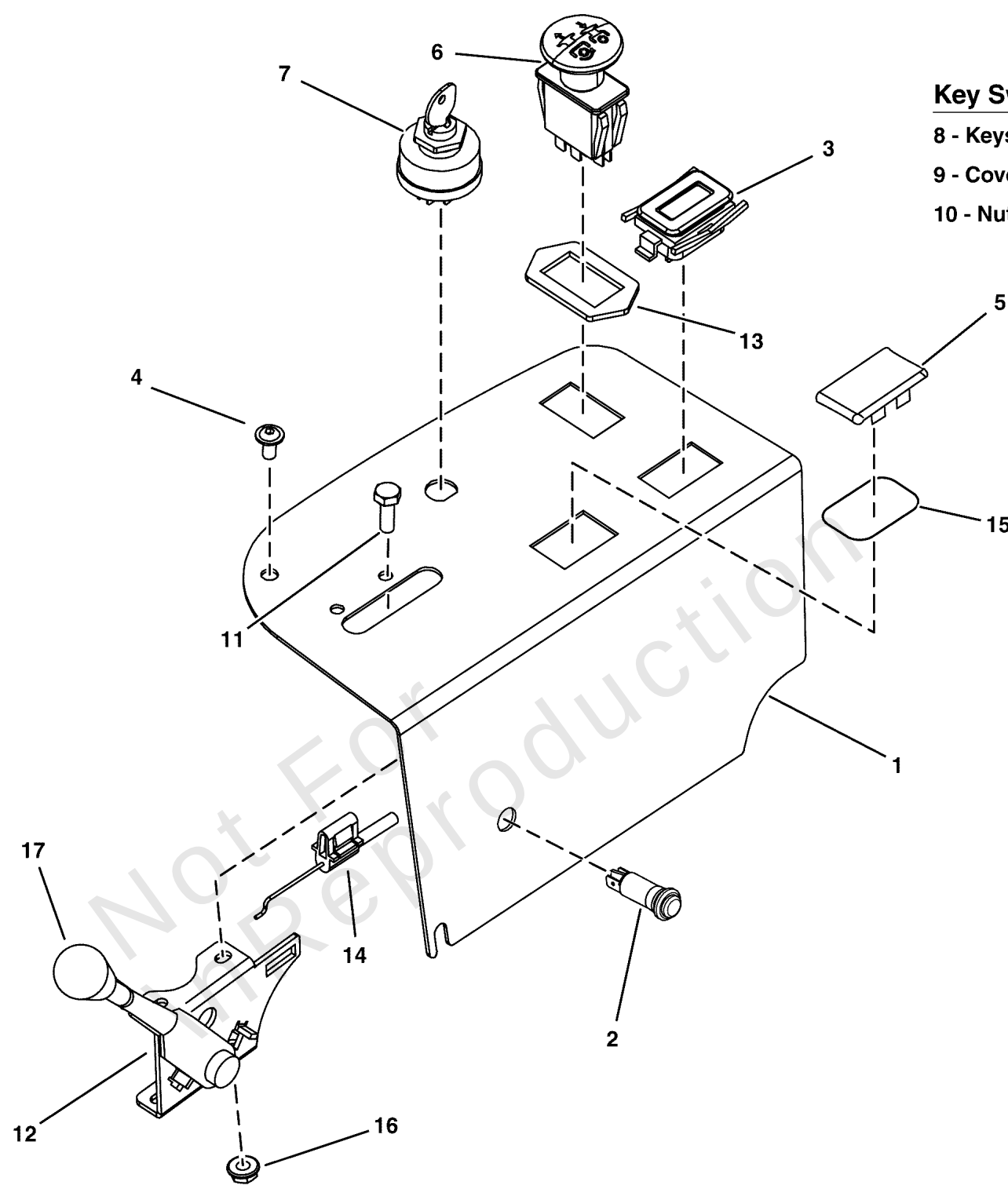
REF NO	PART NO	QTY	DESCRIPTION
1	5104385	1	TRANSAXLE, ZT4400, RH, 1710-1057R L-AXLE -(61" Models Only)
2	5104388	1	TRANSAXLE, ZT4400, RH, 1710-1024R -(52" Models Only)
3	5104386	1	TRANSAXLE, ZT4400, LH, 1710-1057L L-AXLE -(61" Models Only)
4	5104389	1	TRANSAXLE, ZT4400, LH, 1710-1024L -(52" Models Only)
5	5101998	2	HYDRO TANK, HYDRO-GEAR 71938, 1 LITER -(Includes item #5-1)
5-1	5100778X1	2	RESERVOIR CAP (SV) -(Not illustrated)
6	5025535	8	BOLT, 1/2-13 X 1-1/4, SF, PLT W/PATCH
7	5021164	4	CLAMP, #10 HOSE, STAINLESS
8	5025391	3	NUT, 1/4-20 HEX NYLOCK FLANGE
9	5025011X8	4	BOLT, 5/16-18 X 1 GD5 CZ
10	5025155	4	WASHER, 5/16" SAE
11	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
12	5025010X8	3	BOLT, 1/4-20 X 1" GD5 CZ
13	5021030	2	TIE, SELF-LOCKING, 6"
14	5104409	2	FITTING 22.5 ELBOW 5/8 TUBE-7/8-14 O-RING
15	5415880A	1	WELD, MOUNT, OIL RESERVOIR - BLK
16	5025154	3	WASHER, 1/4 SAE
17	5105178	1	HOSE, HYD RES, LH, IS2100Z
18	5105179	1	HOSE, HYD RES, RH, IS2100Z
19	5100384X13	2	LOOM, CONVOLUTED SPLIT, 1 ID - 13 LONG
20	5021500	2	CLAMP, VINYL INSULATED, 1.00
21	5104436	2	ARM, TRANSAXLE RELEASE, ZT4400
22	5023202	2	WASHER, WAVE, M10
23	80002736	2	PIN, 3/32 X 0.750, COT, ZINC/CLEAR

Instrument Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303773B



Key Switch Service Parts

- 8 - Keys, Ignition, Molded, Set
- 9 - Cover, Plastic, Snap On
- 10 - Nut, Plastic

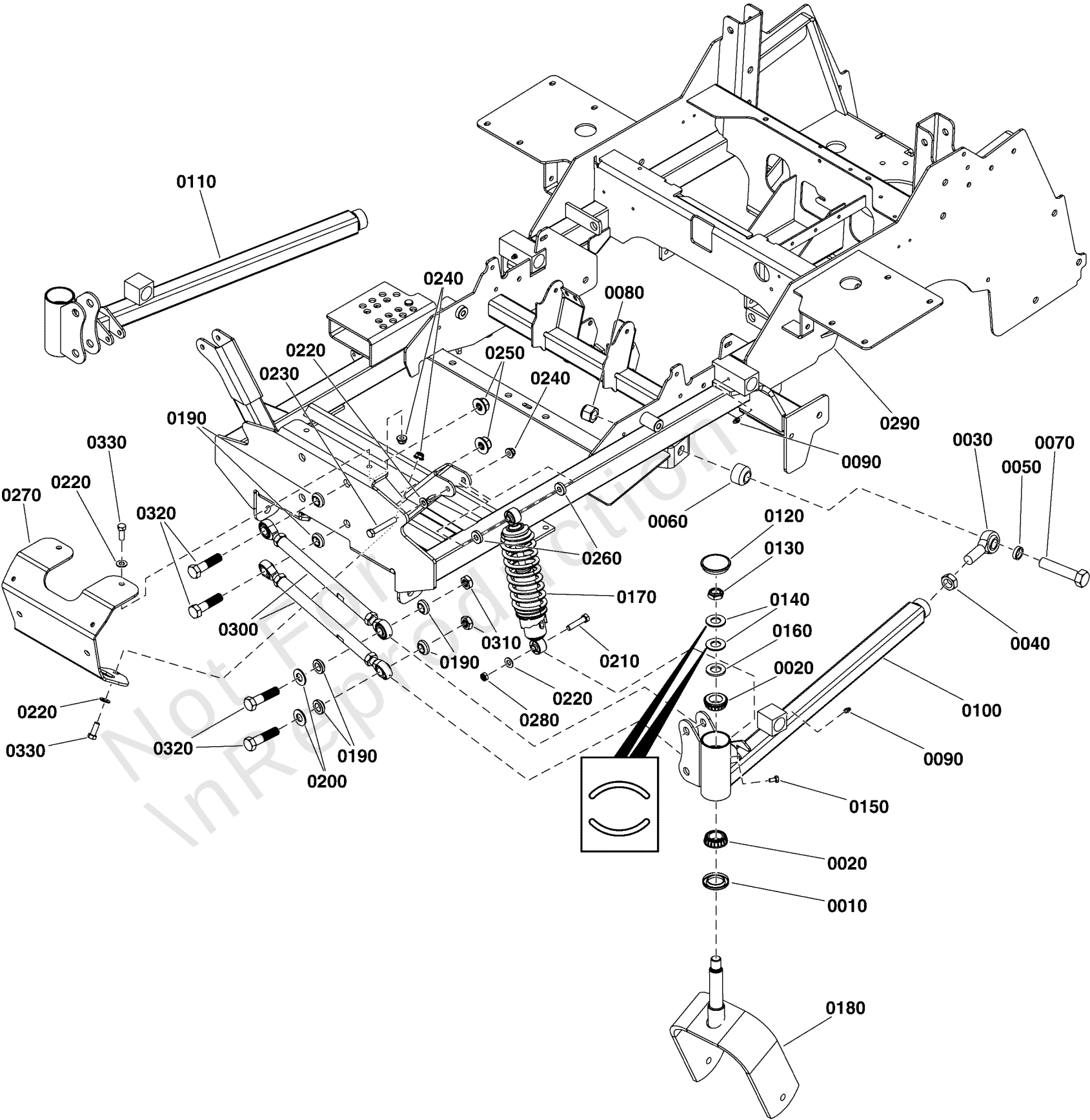
Instrument Control Panel Group

REF NO	PART NO	QTY	DESCRIPTION
1	5412044A	1	PANEL, CONTROL, IS2100/3200 - BLK
2	5103809	1	LIGHT, INDICATOR, PANEL, LED, RED
3	-----	1	HOUR METER, 2 CHANNEL
4	5106469	1	SCREW, FLANGE, ALLEN HD, 1/4-20X.5 S/S
5	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
6	1722887	1	SWITCH-PTO PUSH
7	5020927	1	SWITCH, IGNITION, 6 POST
8	5022789	1	KEY, IGNITION MOLDED SET
9	5022790	1	COVER, PLASTIC, SNAP ON
10	5022791	1	PLASTIC NUT
11	5025179X6	2	SCREW, #10-24 X 3/4" ROUND PHILLIPS
12	5101537	1	LEVER, THROTTLE CONTROL
13	5022222	1	RING, SWITCH RETAINER
14	5101073	1	CABLE, Throttle Control, 42"
15	5022269	1	O-RING, 7/8" ID X 1/16" W
16	5025271	2	NUT, Hex, Nylon Lock, #10-24
17	5046360X1	1	THROTTLE CONTROL HANDLE/KNOB

Main Frame and Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843



Main Frame and Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5021072	2	SEAL, Grease
0020	5020884	4	BEARING, TAPERED ROLLER, 1"
0030	5022039	2	BALL JOINT, 3/4-16, MALE
0040	5025093	2	NUT, Hex, Jam, 3/4-16
0050	5047461	2	SPACER, .76 x 1.00 x .25
0060	5046093	2	SPACER, .75 X 1.50 X 1.00, CZ
0070	5025265X28	2	BOLT, 3/4-16 X 3-1/2" YZ GD5 -(Torque A-Arm Mount Bolts to 165-170 ft-lbs (224-230 Nm))
0080	5025284	2	NUT, Hex, Nylon Lock, 3/4-16
0090	5020095	4	GREASE FITTING, 1/4-28 Straight
0100	5419145B	1	WELD, FRONT A-ARM, LH, ISX2200 - RED
0110	5419144B	1	WELD, FRONT A-ARM, RH, ISX2200 - RED
0120	5102929	2	CAP, LOW PROFILE, STEEL
0130	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
0140	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
0150	5025457	2	BOLT, 1/4-28 X 1/2, GD5 YZ
0160	5025160	2	WASHER, 3/4" SAE
0170	5107851	2	SHOCK, FRONT
0180	5419196B	2	WELD, CASTER YOKE - RED
0190	5108731	12	SPACER, .640 X 1.13 X .345, TPRD CZ
0200	5025281	4	WASHER, 5/8" SAE
0210	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR
0220	5025156	8	WASHER, 3/8 SAE
0230	5025013X20	2	BOLT, 3/8-16 X 2-1/2" GD5 CZ
0240	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0250	5025403	4	NUT, 5/8-11 HEX NYLOCK FLANGE
0260	5108184	4	SPACER, .39 X 1.00 X .24, SHOCK, ISX
0270	5419630B	1	PLATE, FRONT MOUNT, ISX2200 - RED
0280	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0290	-----	1	WELD, MAIN FRAME, ISX2200 - RED -(Refer to Note: *)
0300	5108559	4	CONTROL ARM, ISX2200, PTFE
0310	80026832	4	NUT-HEX FLANGE 5/18-11 TWO WAY LOCK ZC/CL
0320	5025019X20	8	BOLT, HEX, 5/8-11 X 2-1/2, GD5, CZ -(Torque front control arm bolts to 150-155 ft-lbs (203-210 Nm))
0330	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
1000	5020883	2	CUP, BEARING (SV) -(Not illustrated)

Footnotes:

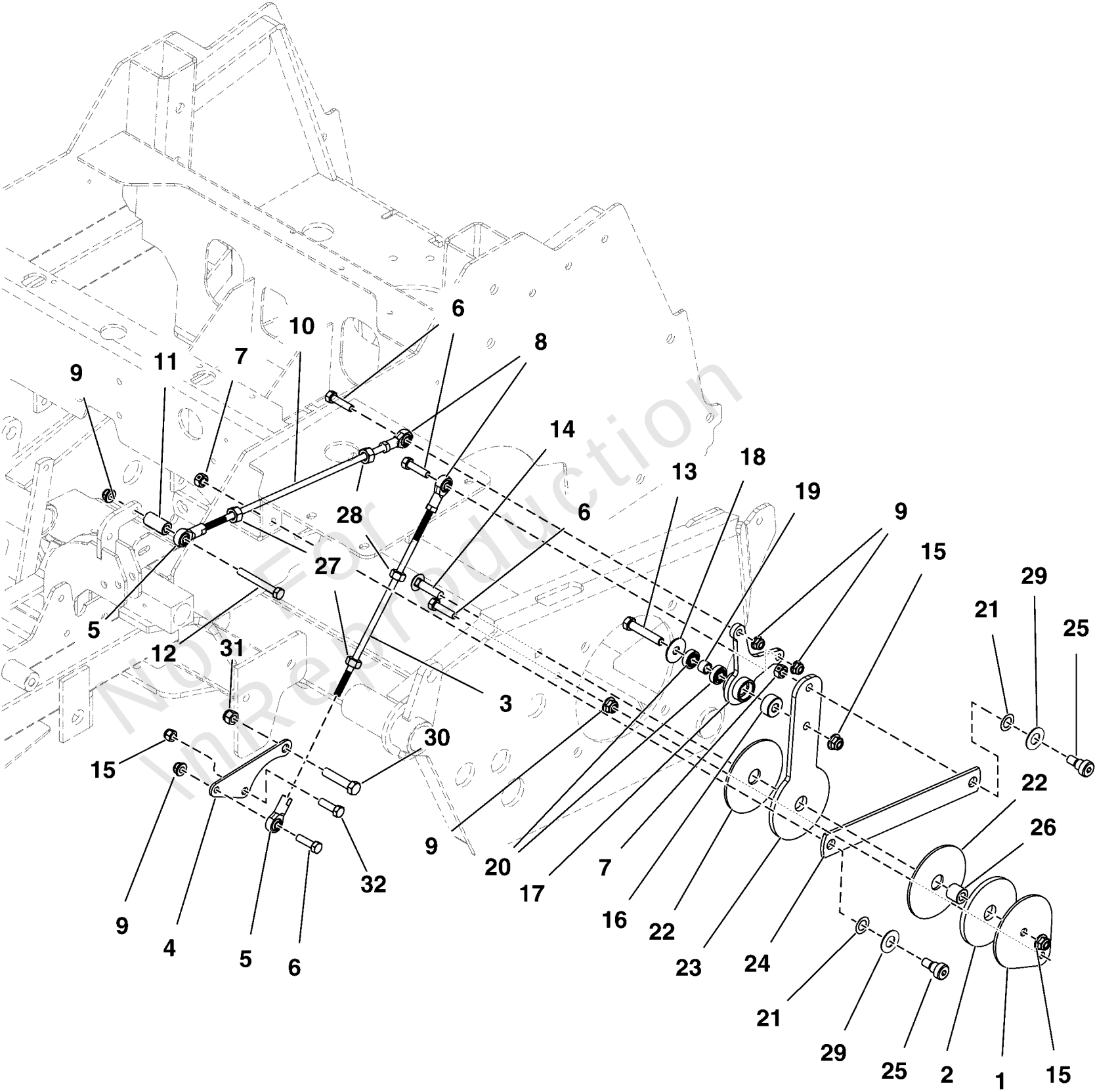
Note: *If replacing contact the Service Department at 1-800-933-6175.

Motion Control Group - Control System

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303398LA



Motion Control Group - Control System

REF NO	PART NO	QTY	DESCRIPTION
1	5410271A	2	PLATE, CONTROL SYSTEM LOCK - BLK
2	5103704	2	PAD, .77 X 3.50 X .25, POLYURETHANE
3	5104053	2	ROD, 5/16-24 RH & LH, 8.75" CZ
4	5411301A	2	PLATE, CONTROL MOUNT - BLK
5	5104493	4	BALL JOINT 5/16-24 RH FEMALE BRONZE RACE
6	5025011X10	10	BOLT, 5/16-18 X 1-1/4" GD5 YZ
7	5025100	4	NUT, Hex, Side Lock, 3/8-16
8	5104494	4	BALL JOINT 5/16-24 LH FEMALE BRONZE RACE
9	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
10	5102255	2	ROD, HYDRO LINKAGE, 14.63
11	5102599	2	SPACER, .38 X .75 X 1.25, PM, CZ
12	5025011X20	2	BOLT, 5/16-18 X 2-1/2" GD5 YZ
13	5025013X20	2	BOLT, 3/8-16 X 2-1/2" GD5 CZ
14	5025146X12	2	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
15	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
16	5046860	2	SPACER, .39 X 1.00 X .50, PM, CZ
17	5103718	2	PIVOT, CONTROL SYSTEM, S125XT
18	5025165	2	WASHER, 3/8" Fender
19	5103676	2	SPACER, .39 X .55 X .38, PM, CZ
20	5102003	4	BEARING, .375" ID X .875" OD X .341" THK
21	5103784	4	WAVE WASHER, 1/2"ID X .087"OD X .01 THK.
22	5103672	4	PAD, CONTROL SYSTEM
23	5410268	2	PLATE, CONTROL SYSTEM ARM - HT
24	5411375A	2	LINK, CONTROL SYSTEM ARM, IS2100 - BLK
25	5025356	4	BOLT, 3/8-16 X 3/8", 1/2" SHOULDER
26	5103705	2	SPACER, .39 X .75 X .69, PM, CZ
27	5025033	4	NUT, Hex, 5/16-24
28	5023212	4	NUT, 5/16-24 HEX, LH
29	5025440	4	WASHER, 1/2" GD9 YZ
30	5025015X6	2	BOLT, 7/16-14 X 3/4, GD 5 YZ
31	5025044	2	NUT, 7/16-14 HEX TOP LOCK
32	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ

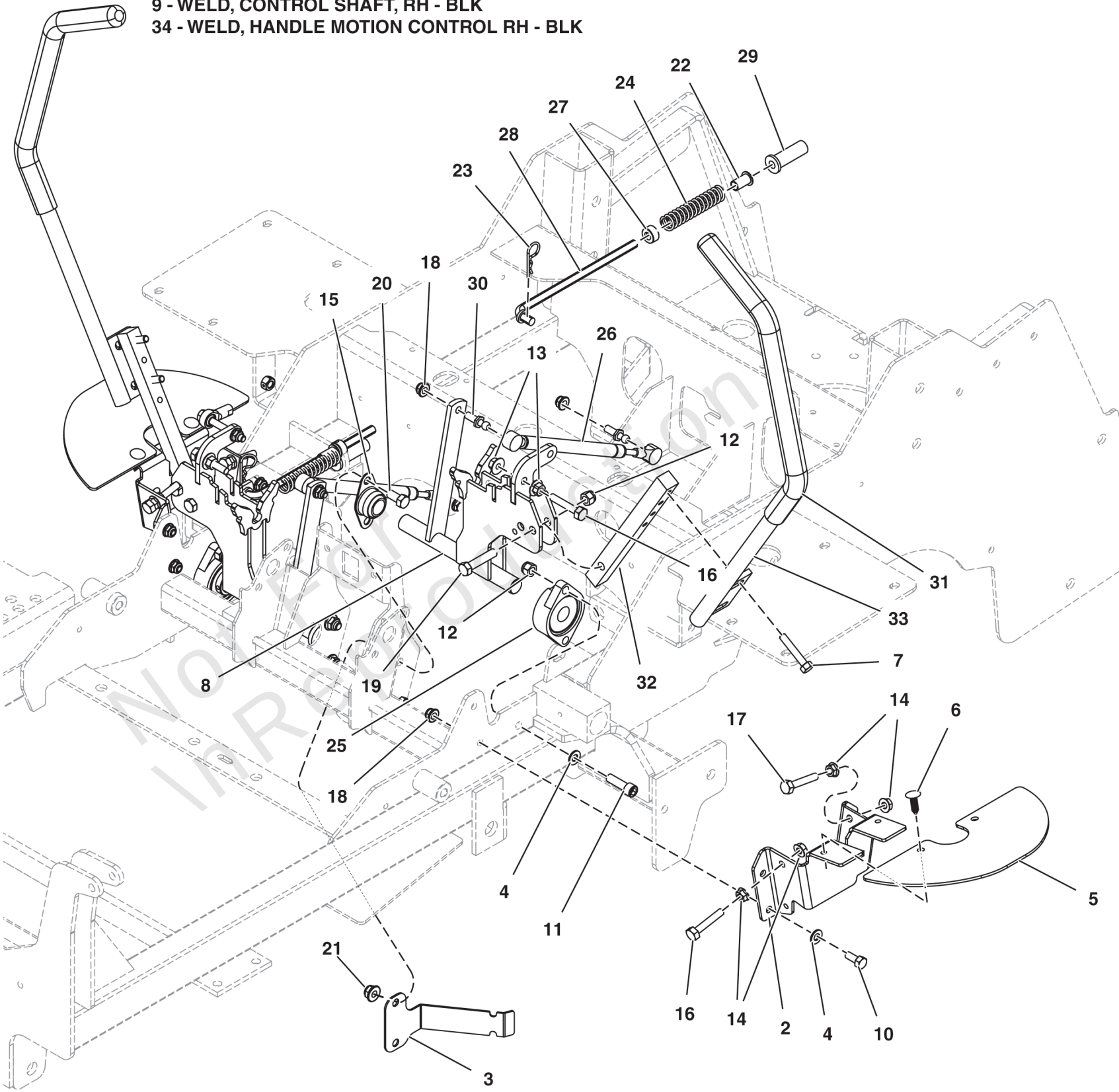
Motion Control Group - Handles & Dampeners

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303398UB

- 1 - PLATE, NEUTRAL LOCK, RH - BLK
9 - WELD, CONTROL SHAFT, RH - BLK
34 - WELD, HANDLE MOTION CONTROL RH - BLK



Motion Control Group - Handles & Dampeners

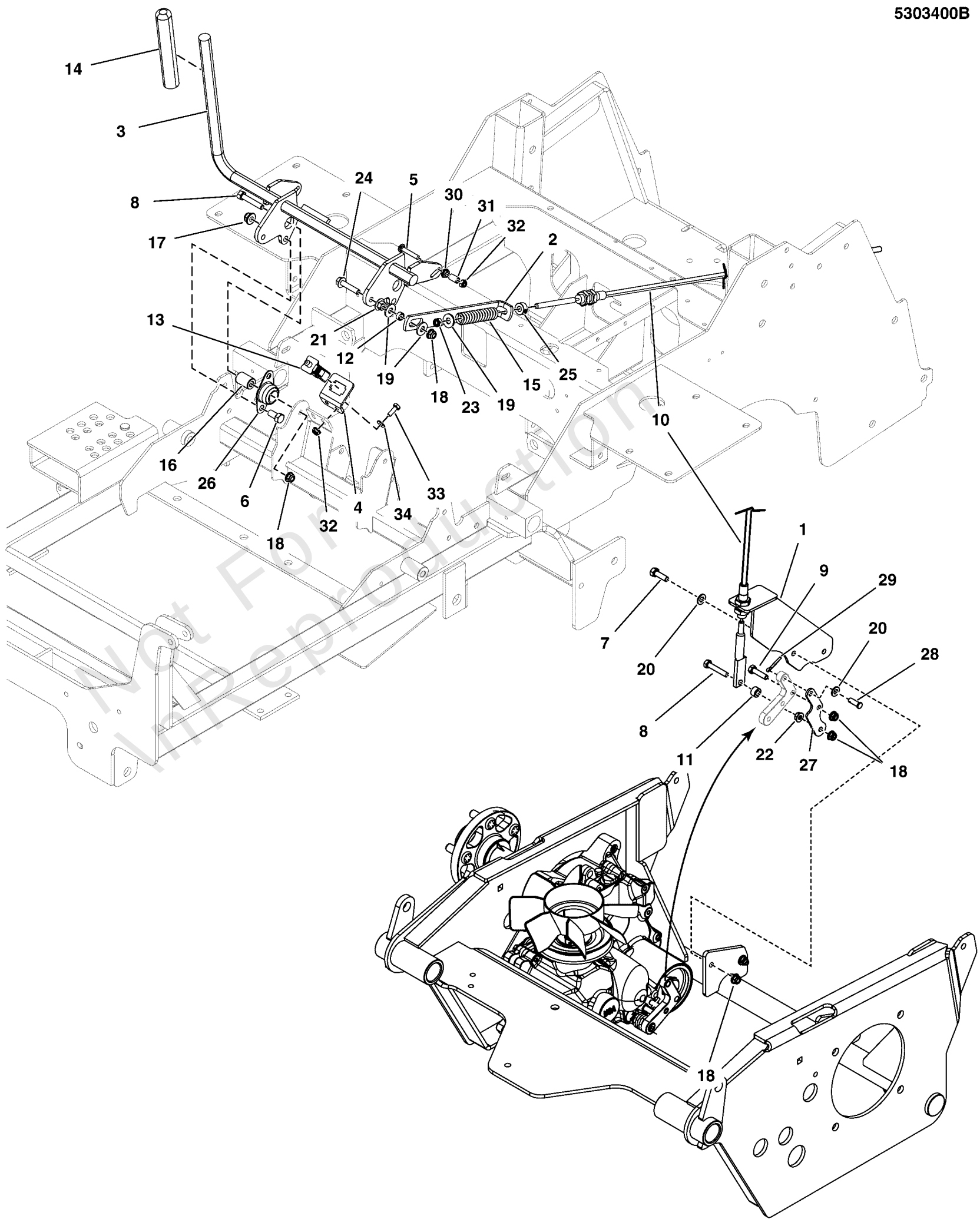
REF NO	PART NO	QTY	DESCRIPTION
1	5416170A	1	PLATE, Neutral Lock, RH - BLK
2	5416171A	1	PLATE, Neutral Lock, LH - BLK
3	5413137A	1	BRACKET, HARNESS MOUNT, 2100 - BLK
4	5025155	12	WASHER, 5/16" SAE
5	5401248	2	GUARD, RUBBER MOTION CONTROLS
6	5025431	4	PUSH RIVET (TREE TYPE), BLACK
7	80003531	4	SCREW, 5/16-18X0.750, GR5, WHIZ-LOCK, ZC
8	5416663A	1	WELD, CONTROL SHAFT, LOCKOUT, LH - BLK
9	5416664A	1	WELD, CONTROL SHAFT, LOCKOUT, RH - BLK
10	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
11	5025327	4	BOLT, Allen Head, 3/8-16 x 1-1/4
12	5025096	8	NUT, Hex, Nylon Locking, 3/8-16
13	5025139	4	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
14	5025127	8	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
15	5021098	2	BEARING, BRONZE FLANGE, 3/4"
16	5025055X10	4	BOLT, 5/16-18 x 1-1/4" TFL GD 5
17	5025055X14	2	BOLT, 5/16-18 X 1-3/4 TFL, GD5 YZ
18	5025392	12	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
19	5025013X14	4	BOLT, 3/8-16 X 1-3/4" GD5 CZ
20	5025013X6	6	BOLT, 3/8-16 X 3/4" GD5 CZ
21	5025394	4	NUT, 3/8 - 16 HEX NYLOCK FLANGE
22	5023260	2	BUSHING, FLANGE 3/8ID X 7/8 LONG
23	5025210	2	3/32 X 1-5/8 HAIR PIN CLIP
24	5022645	2	SPRING, REVERSE RETURN
25	5021499	2	BEARING, FLANGE
26	5100940	2	DAMPENER, CONTROL, #(P6709/P3610)
27	5010546	2	COLLAR, 3/8" Set
28	5100947	2	ROD, NEUTRAL RETURN, CZ
29	5104375	2	FLANGED BUSHING, 3/8IDX.63ODX.8125FL
30	5101307	4	10MM BALL STUD, 5/16-18 X 3/4 THDS
31	5104722	2	GRIP, FOAM, 1" ID, 16" LONG
32	5103106A	2	MOUNT, CONTROL ARM - BLK -(10.95" Total Length, 3 Adjustment Holes)
33	5414431A	1	WELD, HANDLE MOTION CNTRL, 19.0, 1.0, LH - BLK
34	5414432A	1	WELD, HANDLE MOTION CNTRL, 19.0, 1.0, RH - BLK

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303400B



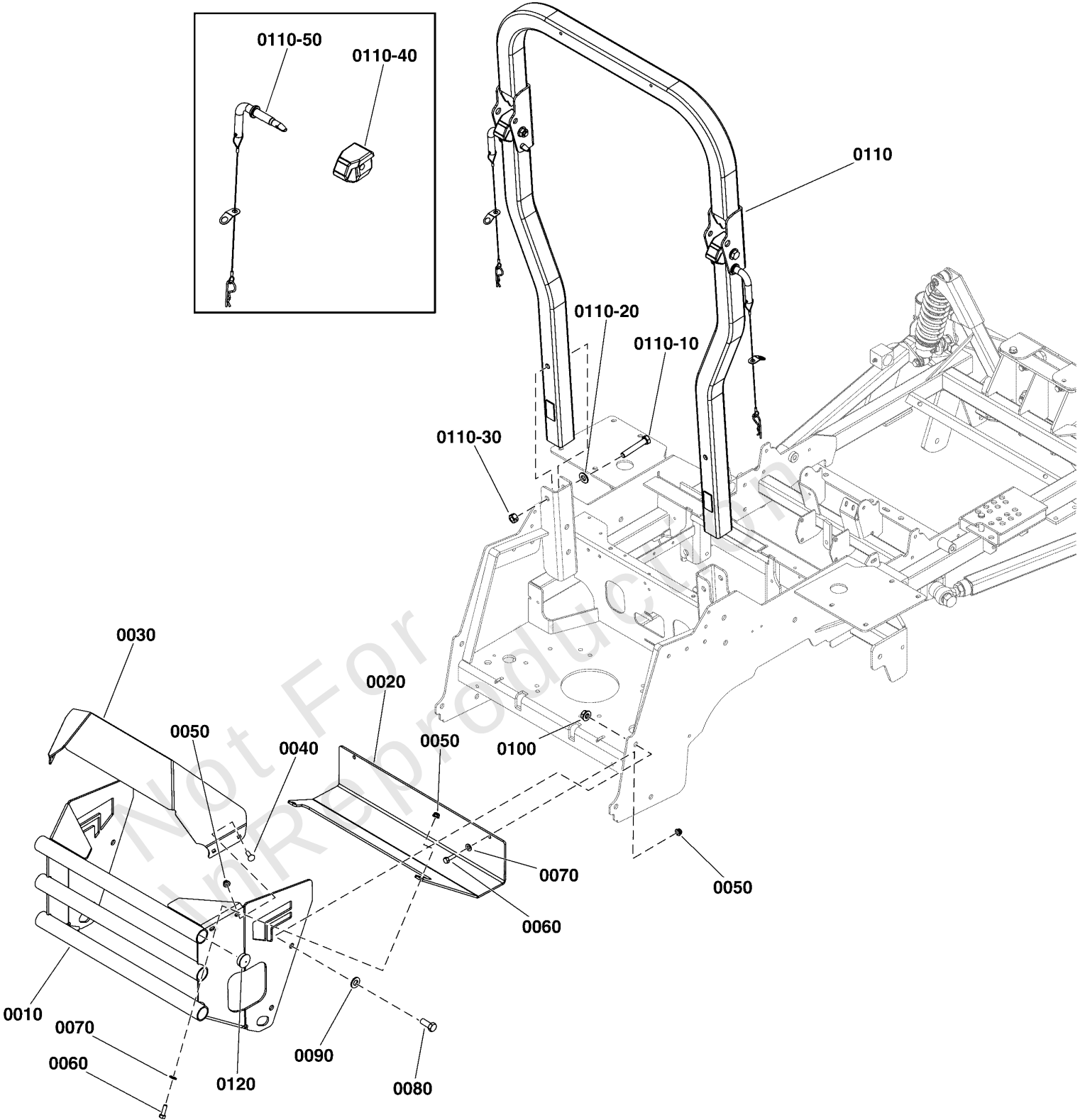
Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
1	5413066A	2	WELD, BRAKING MOUNT, 2100 - BLK
2	5413063A	2	LINK, BRAKE, IS2100 - BLK
3	5415422A	1	WELD, BRAKE SHAFT, LOCTOUT, 17" - BLK
4	5415932A	1	TAB, SWITCH PLATE, BOLT-ON - BLK
5	80003564	2	BOLT, 1/4-20 X 1.500, GR5, SQ, ZINC/CLEA
6	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 CZ
7	5025011X8	4	BOLT, 5/16-18 X 1 GD5 CZ
8	5025011X14	4	BOLT, 5/16-18 X 1-3/4 GD5 CZ
9	5025011X10	2	BOLT, 5/16-18 X 1-1/4 GD5 CZ
10	5104235	2	CABLE, PARKING BRAKE, 32"
11	5103767	2	SPACER, .33 X .63 X .36, PM, CZ
12	5102463	2	SPACER, .33 X .50 X .25, PM, CZ
13	7022886	1	SWITCH, DP NO/NC SNAP-IN
14	5101038	1	GRIP, FOAM, 3/4 ID X 6 X .187
15	5100385	2	SPRING, COMP. 1/2 ID X .140 WIRE X 3.25
16	5042134	2	SPACER, .32 X .75 X 1.06, PM
17	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
18	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
19	5025337	6	WASHER, 5/16 USS
20	5025155	6	WASHER, 5/16" SAE
21	5025139	2	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
22	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
23	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
24	5023157	2	BOLT, 5/16-18 X 1 1/2 FLANGE
25	5020047	2	COLLAR, 5/16 SET
26	5021098	2	BEARING, 3/4" FLANGED, BRONZE
27	5413575A	2	PLATE, BRAKE ARM, IS2100 - BLK
28	5025213X7	2	PIN, CLEVIS, 5/16 X 1, PLATED
29	5025203X6	2	PIN, COTTER, 1/8 X 3/4
30	5025126	1	NUT, 1/4-20 HEX SERR. FLANGE
31	5041483	2	SPACER, .25 X .38 X .63, CZ
32	5025095	4	NUT, 1/4-20 HEX NYLON LOCK
33	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 CZ
34	5025154	2	WASHER, 1/4 SAE

Rear Bumper and ROPS Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843



Rear Bumper and ROPS Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5108372B	1	WELD, REAR BUMPER, ISX2200 - RED
0020	5108376AA	1	PLATE, HEAT SHIELD, ISX2200 - BLK
0030	5108377B	1	PLATE, ENG GUARD, ISX2200 - RED
0040	5025145X8	4	BOLT, 5/16-18 X 1, CARRIAGE, GD5, CZ
0050	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0060	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
0070	5025155	4	WASHER, 5/16" SAE
0080	5025017X10	4	BOLT, 1/2-13 X 1-1/4 GD5 CZ
0090	5025158	4	WASHER, 1/2 SAE
0100	5025396	4	NUT, Hex Flange, Nylock, 1/2-13
0110	5108142	1	ROPS, ISX2200 -(Refer to Note: *)
0110-10	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
0110-20	5025158	2	WASHER, 1/2 SAE
0110-30	5025332	2	NUT, 1/2-13 Hex Side Lock
0110-40	5108027	2	BLOCK, ROPS
0110-50	5108350	2	HINGE PIN ASSEMBLY
0120	5023484	6	PLUG, PANEL, 1.25 - BLACK

Footnotes:

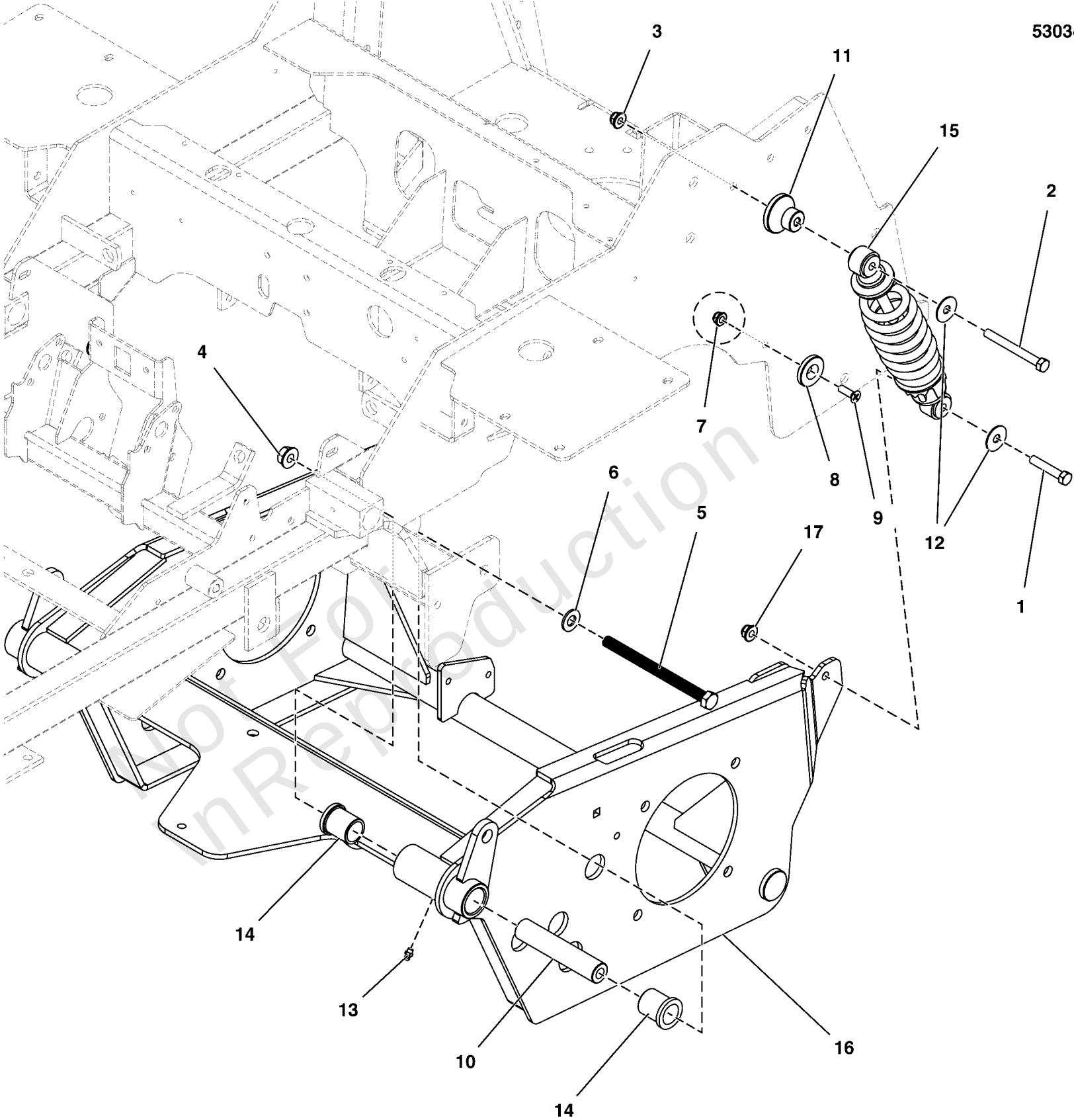
Note: *Contact the Service Department at 1-800-933-6175 for roll bar replacement parts. You must provide the serial number of the roll bar system.

Rear Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5303403A



Rear Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR
2	5025013X28	2	BOLT, 3/8-16 X 3-1/2" GD5 CZ
3	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
4	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
5	5025488X52	2	BOLT, 1/2-13 X 6-1/2 GD8, YZ
6	5025158	2	WASHER, 1/2 SAE
7	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
8	5102701	2	SPACER, .34 X 1.54 X .25, PL
9	5025594	2	SCREW, 5/16-18X1, PHILLIPS HD. BZ
10	5100194	2	SPACER, .52 X 1.00 X 5.00
11	5104704	2	SPACER, .39 X 2.00 X 1.35, PM
12	5025165	4	WASHER-3/8 FENDER
13	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
14	5021541	4	BUSHING, FLANGE
15	5104060	2	SHOCK / SPRING ASSEMBLY, OE22376
16	5413059B	1	WELD, TRANS CARRIAGE, IS2100 - RED
17	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE

Seat Mount and Floor Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

Seat (P/N 5108194) Service Parts:

0070-10 - Lumbar/Recline Lever

0070-15 - Track Kit, Seat

0070-20 - Set of Arm Kits

0070-25 - Set of Arm Pads

0070-30 - Weight Adjust/Indicator Knob

0070-35 - Bellows w/ Hardware Base

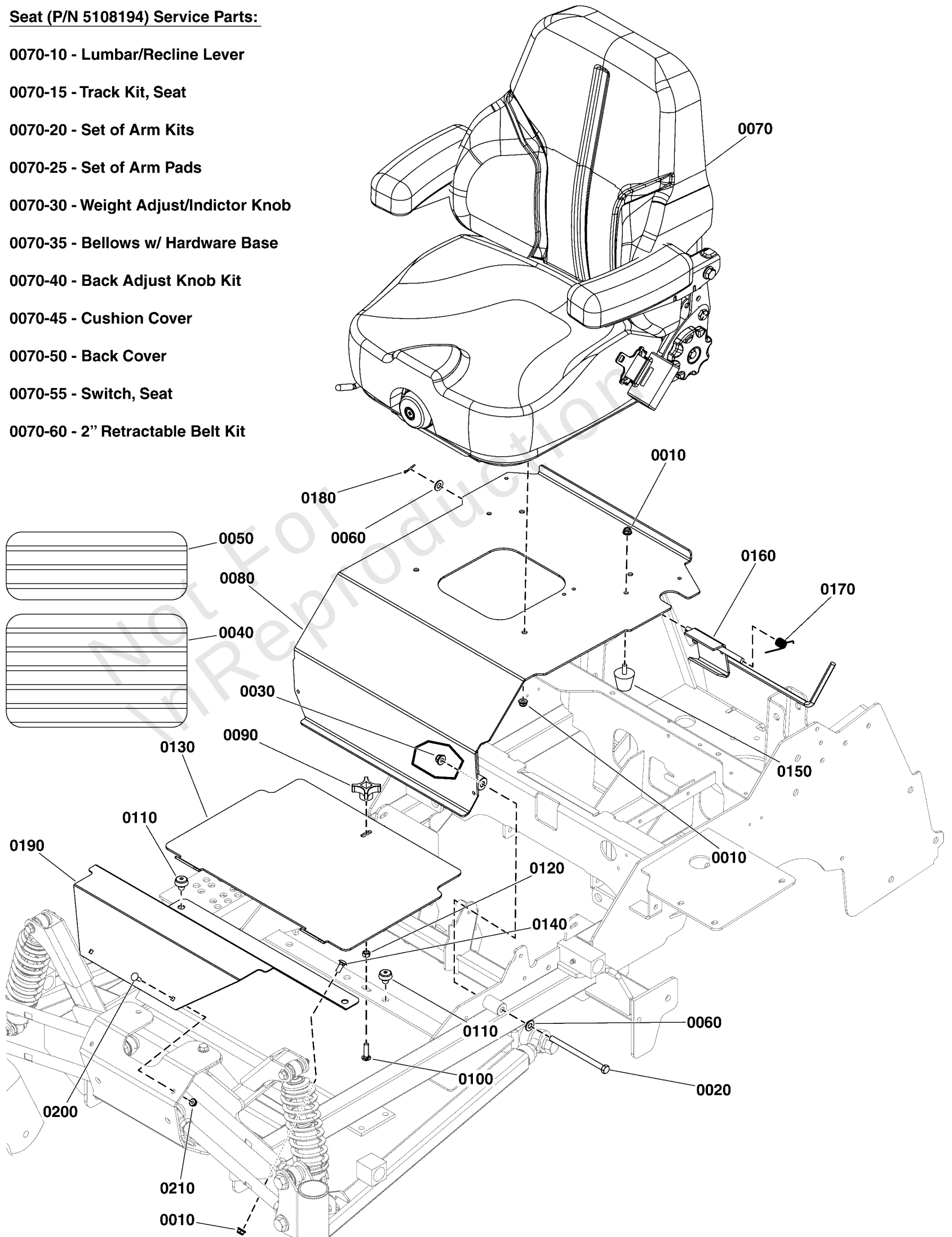
0070-40 - Back Adjust Knob Kit

0070-45 - Cushion Cover

0070-50 - Back Cover

0070-55 - Switch, Seat

0070-60 - 2" Retractable Belt Kit



Seat Mount and Floor Group

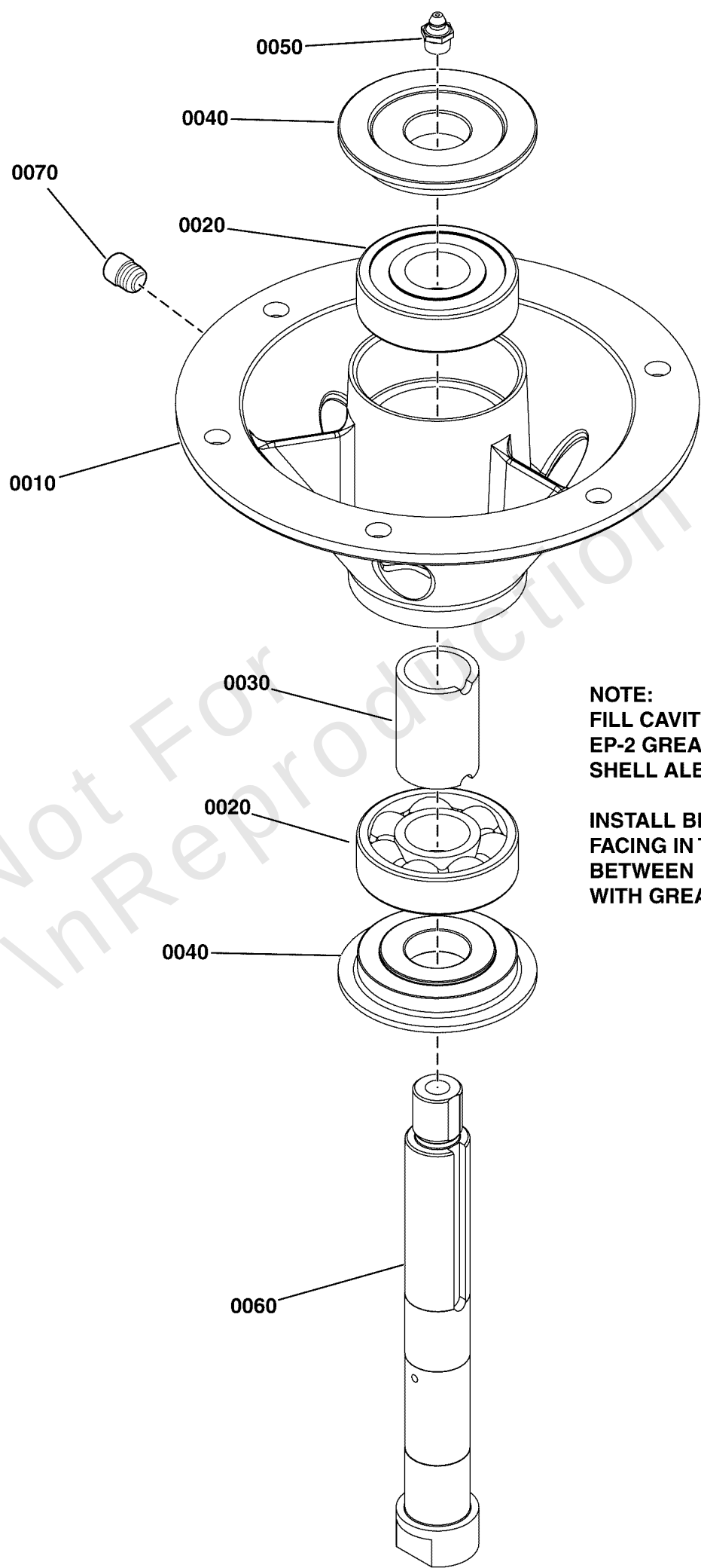
REF NO	PART NO	QTY	DESCRIPTION
0010	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0020	5025013X44	2	BOLT, 3/8-16 X 5-1/2" GD5 CZ
0030	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0040	5101333	1	SAFETY WALK, FLOOR PLATE, S50X, 10X17.13
0050	5101374	1	SAFETY WALK, FLOOR REST, 16.00 X 6.00
0060	5025156	3	WASHER, 3/8 SAE
0070	5108194	1	SEAT, HIGH BACK,SUSP,SWITCH & SEAT BELTS
0070-10	5105099X2	1	LUMBAR/RECLINE/ISO LVR W/ RLL PIN BS -(SV)
0070-15	5104720X1	1	4" SINGLE LOCKING TRACKS BASE -(SV)
0070-20	5106325X2	1	SET OF ARM KITS -(SV)
0070-25	5106325X3	1	SET OF ARM PADS -(SV)
0070-30	5104720X2	1	WEIGHT ADJUST INDICATOR KNOB ASSY BASE -(SV)
0070-35	5104720X3	1	BELLOWS W/ HARDWARE BASE -(SV)
0070-40	5106325X4	1	BACK ADJUSTMENT KNOB KIT -(SV)
0070-45	5108194X1	1	CUSHION COVER -(SV)
0070-50	5108194X2	1	SEAT BACK COVER -(SV)
0070-55	7023354	1	SWITCH, SEAT -(SV)
0070-60	5106325X5	1	2" RETRACTABLE BELT KIT -(SV)
0080	5601210	1	SEAT PLATE W/ DECALS, IS2100Z, ST LTCH -(USA Models)
0080	5601212	1	SEAT PLATE W/ DECALS, 2100, ST LTCH, CE -(Export Models)
0090	1670578	1	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
0100	5025145X10	1	BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ
0110	197546	6	MNT, VBRTN, RBBR
0120	80003675	1	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0130	5410296B	1	PLATE, FLOOR, REMOVABLE, S125XT - RED
0140	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
0150	5106763	2	BUMPER, RUBBER, 5/16-18, 60 DURO
0160	5418223A	1	WELD, SEAT LATCH HOOK - BLACK
0170	5106644	1	SPRING, TORSION, LH, .0625OD
0180	80002736	1	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
0190	5419452B	1	PLATE, FRONT FLOOR, ISX2000 - RED
0200	1960252	2	BOLT-RD HD SH SQ NK 1/4-20X0.625 G5 BLK
0210	5025391	2	NUT, 1/4-20 Hex Nylock Flange

Spindle Service Parts - 5104744

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843

5104744



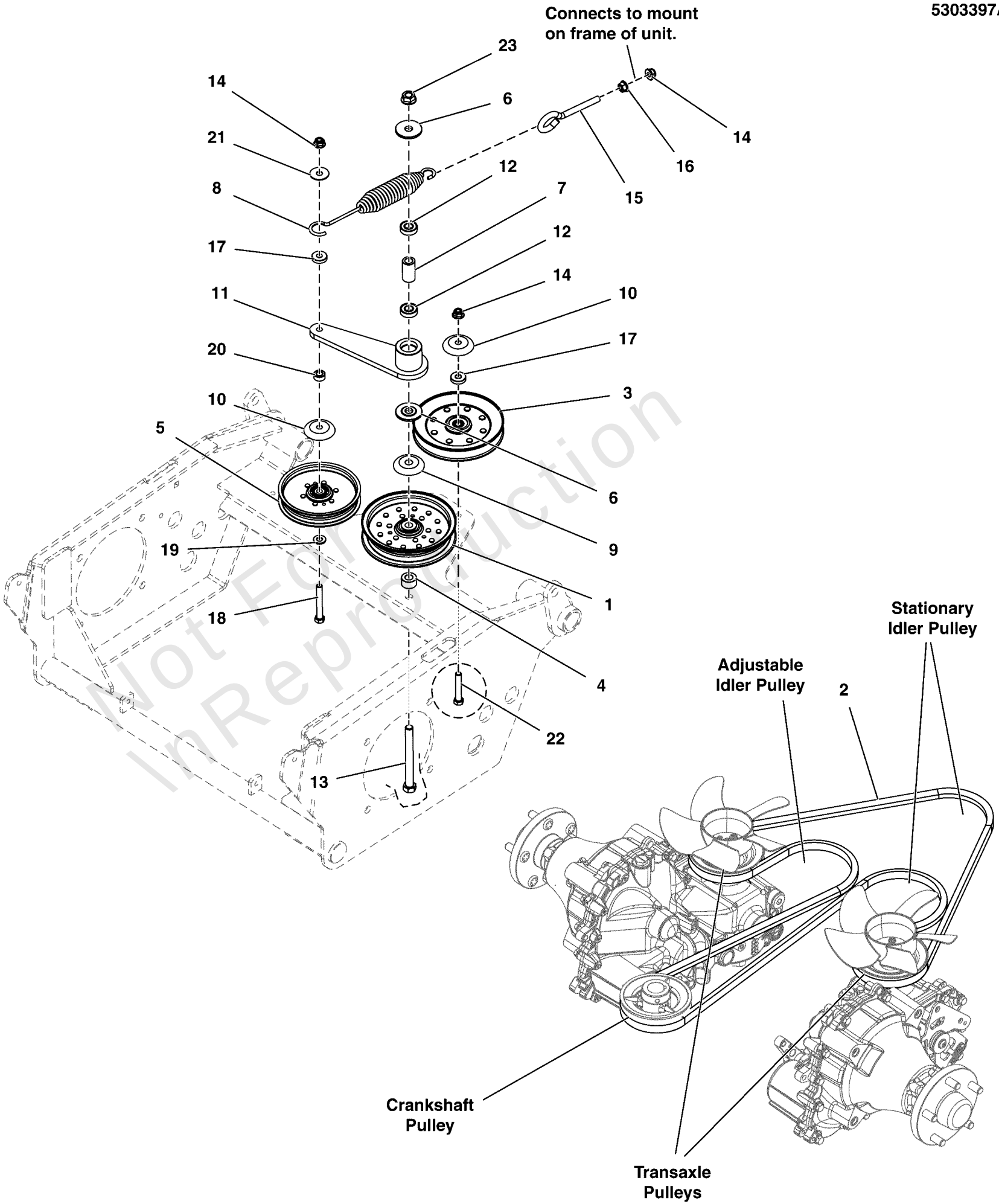
NOTE:
FILL CAVITY WITH NLGI, GRADE 2,
EP-2 GREASE (SUPERPLEX EP-2,
SHELL ALBIDA LCW, BP ENERGREASE LC)

**INSTALL BEARINGS WITH OPEN SIDE
FACING IN TOWARDS SPACER. FILL AREA
BETWEEN BEARING AND TRASH SHIELD
WITH GREASE DURING ASSEMBLY.**

Spindle Service Parts - 5104744

REF NO	PART NO	QTY	DESCRIPTION
0010	5104807	1	SUB ASM, SPINDLE, SMALL IRON -(Includes Ref Nos 2 & 3)
0020	5023330	2	BEARING, .98 X 2.44 X .67
0030	5061099	1	SPACER, 1.00 X 1.25 X 1.75
0040	5049793	2	TRASH SHIELD
0050	5023329	1	FITTING, 1/8 NPT STR, SHORT
0060	5061100	1	SHAFT, SPINDLE
0070	5023296	1	FITTING, RELIEF, 1-5 PSI

5303397A



Transaxle Drive Group

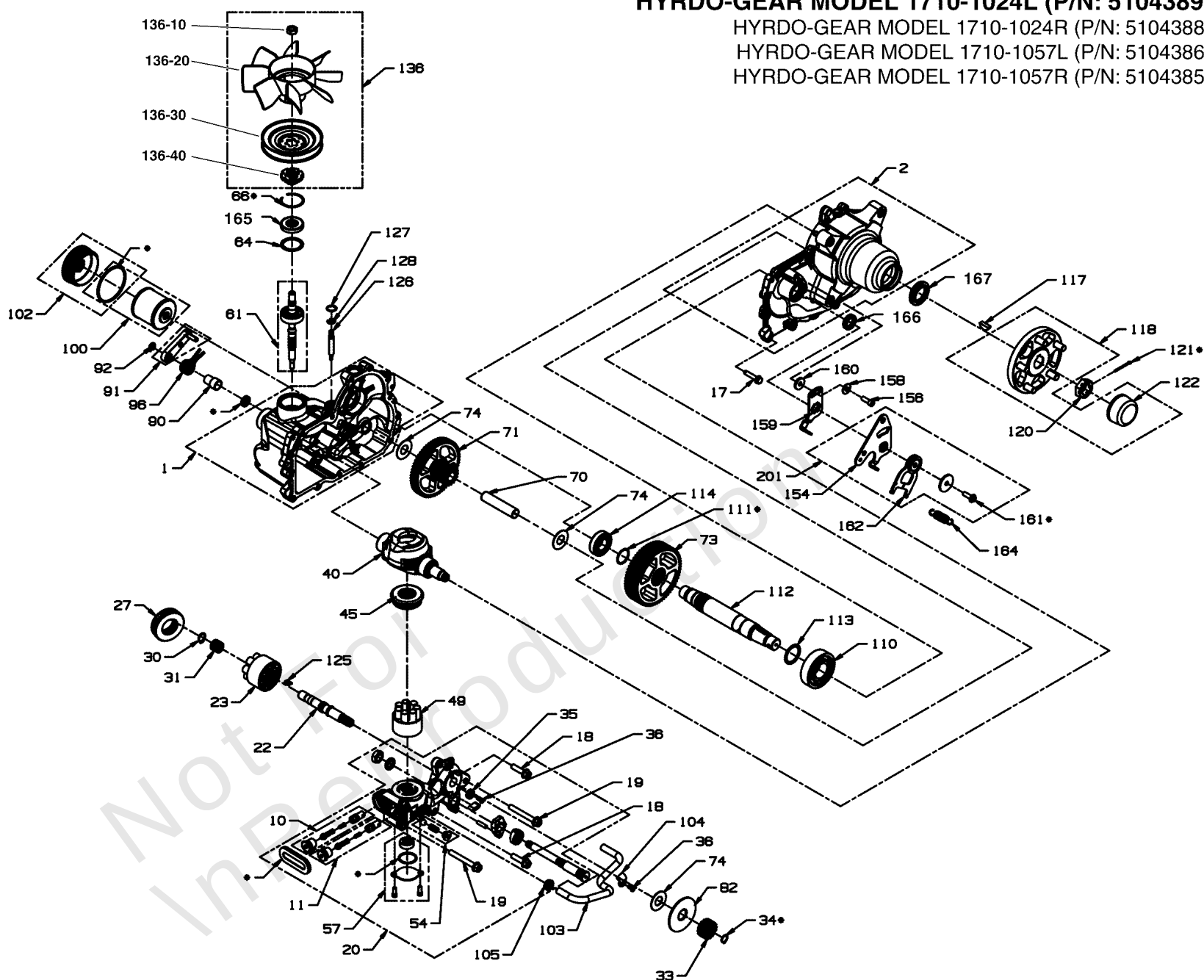
REF NO	PART NO	QTY	DESCRIPTION
1	5101794	1	PULLEY, IDLER, 5" OD, 1"FACE, 5.75 FL
2	5103907	1	BELT, B-SEC, 123"EL, TRANSAXLE DRIVE, ARAMID, WRPD
3	5102093	1	PULLEY-IDLER-V, 5.83OB, .38ID, .94W, STL
4	5101162	1	SPACER, .52 X 1.00 X .56, CZ
5	5103789	1	PULLEY, C-SEC, V-IDLER, 6.25"ODX3/8ID
6	5103262	2	SPACER, IDLER ARM, 1/2, PM
7	5103812	1	SPACER, .52 X .84 X 1.53, PM
8	5100632	1	SPRING-EXT, 1.25OD X 9.3LG X .142WR, BLK -(Coil-to-coil measurement: 6-3/4")
9	5101103	1	SHIELD, PULLEY BEARING, CZ
10	5103787	2	SHIELD, BEARING PULLEY, 3/8ID, CZ
11	5412787A	1	WELD, IDLER ARM, PUMP DRIVE, 6.38 - BLK
12	7078243	2	BEARING, BALL, AXLE
13	5025017X40	1	BOLT-1/2-13 X 5 GD5 YZ
14	5025394	3	NUT, 3/8-16 HEX NYLOCK FLANGE
15	5023497	1	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ
16	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
17	5044960	2	SPACER, .39 X 1.00 X .25
18	5025013X22	1	BOLT, 3/8-16 X 2-3/4" GD5 CZ
19	5025293	1	WASHER, 3/8 GD.9 FLAT
20	5046860	1	SPACER, .39 X 1.00 X .50, CZ
21	5025165	1	WASHER-3/8 FENDER
22	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
23	5025396	1	NUT, Hex Flange, Nylock, 1/2-13

HYRDO-GEAR MODEL 1710-1024L (P/N: 5104389)

HYRDO-GEAR MODEL 1710-1024R (P/N: 5104388)

HYRDO-GEAR MODEL 1710-1057L (P/N: 5104386)

HYRDO-GEAR MODEL 1710-1057R (P/N: 5104385)



200 - SEAL KIT (*) PARTS INCLUDED IN SEAL KIT

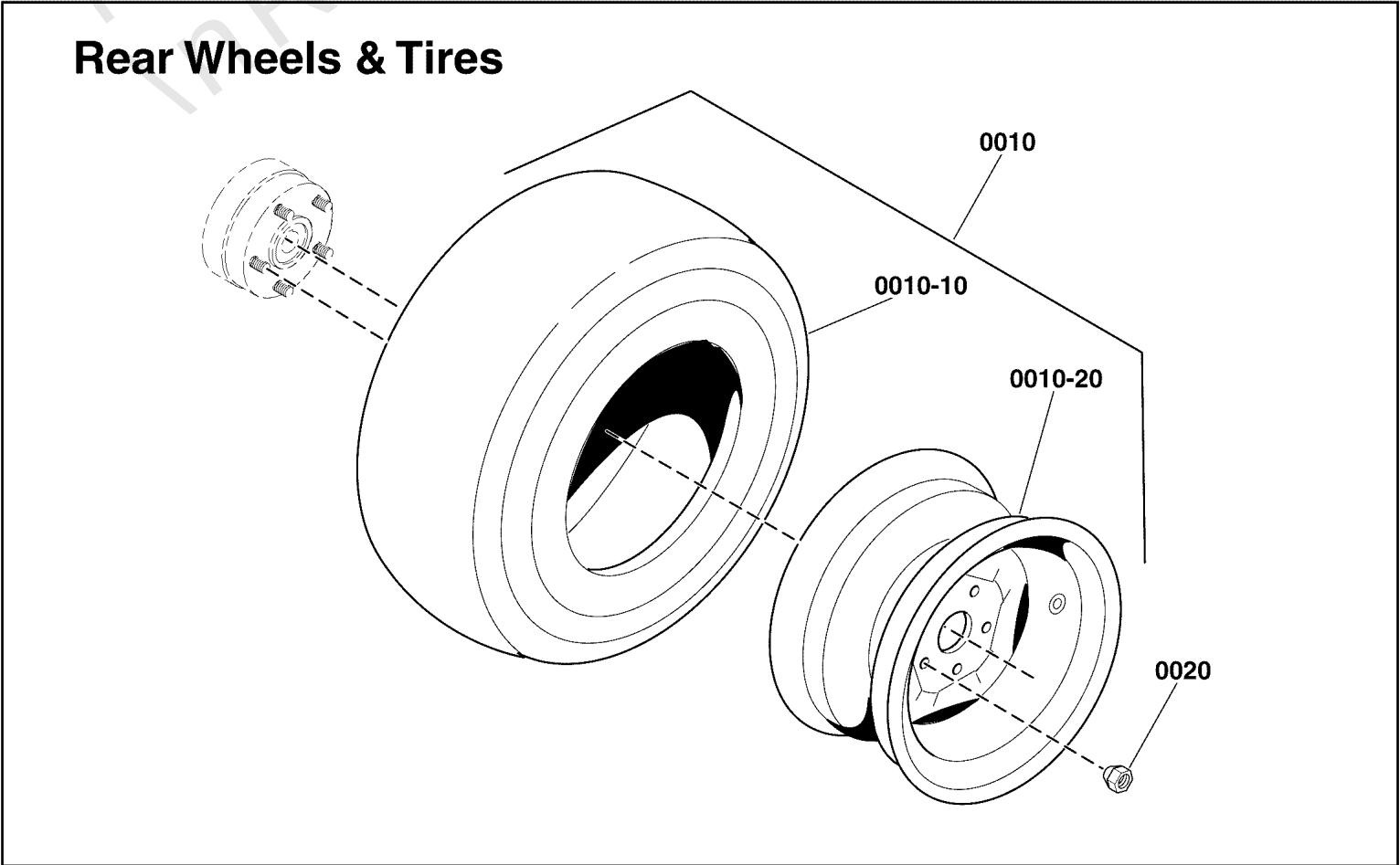
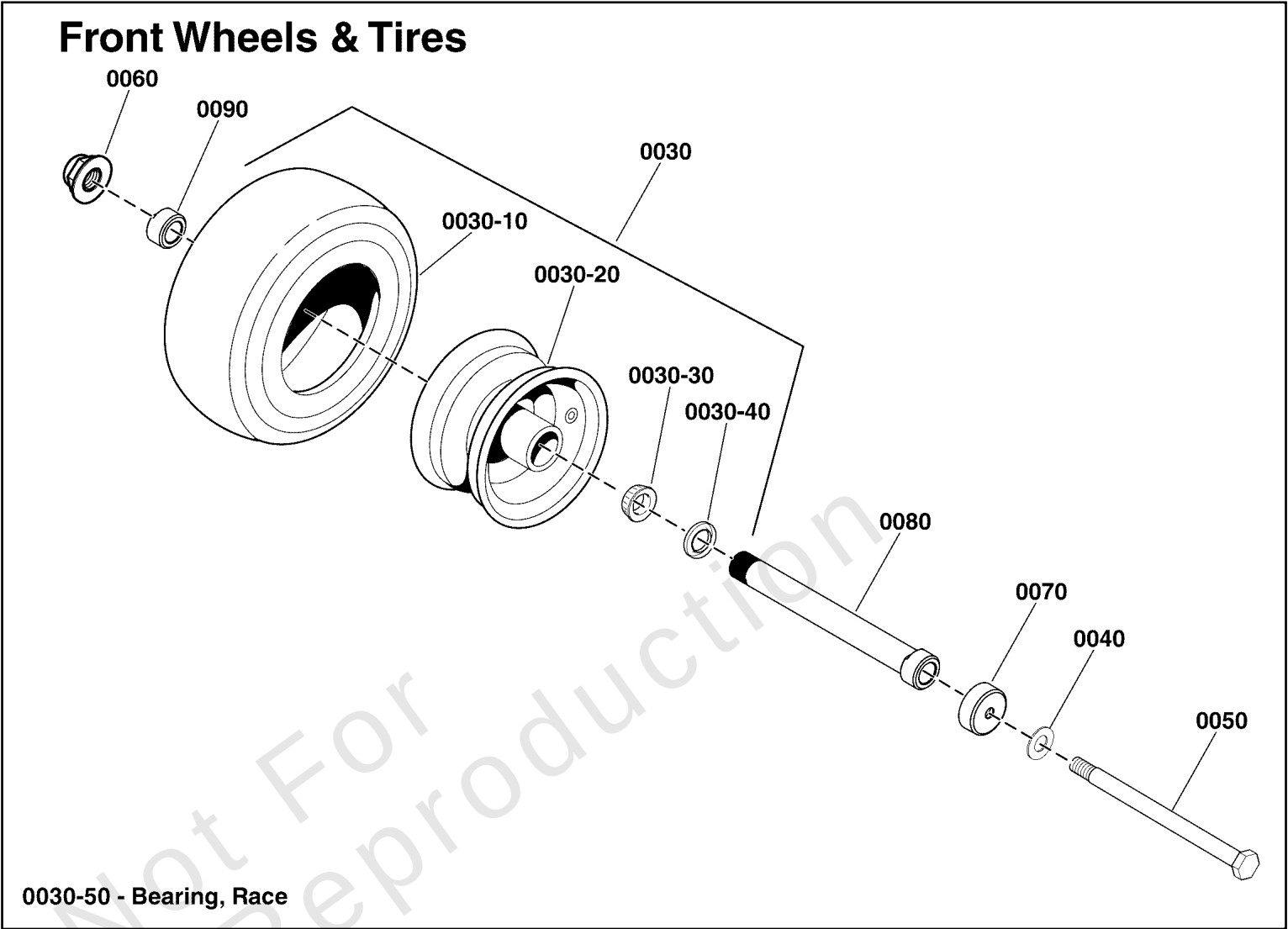
Transaxle SERVICE PARTS - ZT4400

REF NO	PART NO	QTY	DESCRIPTION
61	5104385X3	1	KIT, INPUT SHAFT (BEARING & SHAFT ONLY) (SV) -(72523)
92	5104652	1	RETAINING RING, BRAKE ARM, ZT4400 (SV) -(53019)
100	5104385X1	1	KIT, FILTER (SV) -(72537)
118	5104385X7	1	KIT, HUB 5 BOLT (SV) -(72473)
122	5101987X5	1	AXLE CAP (SV) -(53724)
136	5104387	1	KIT, FAN/PULLEY (SV) -(72476)(Includes items 136-10, 136-20, 136-30, and 136-40)
136-10	5102916	1	NUT, ZT5400 -(44133)
136-20	5105330	1	FAN, ZT-4400, H/G#54084, SRSZ3 & IS2100 -(54084)
136-30	5105333	1	PULLEY, ZT-4400, H/G#54231, IS2100 -(54231)
136-40	5105332	1	HUB, ZT-4400, H/G#54087, SRSZ3 & IS2100 -(54087)
165	5104385X4	1	KIT, INPUT SEAL (SV) -(51092)
166	5104385X6	1	KIT, CONTROL ARM SEAL (SV) -(52989)
167	5104385X5	1	KIT, AXLE SEAL (SV) -(53008)
200	5104385X2	1	KIT, SEAL (SV) -(72523)

Wheel and Tire Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901843



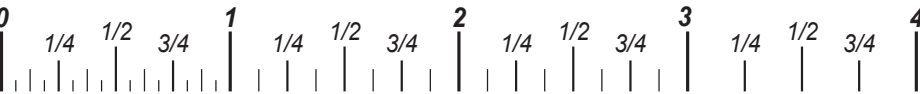
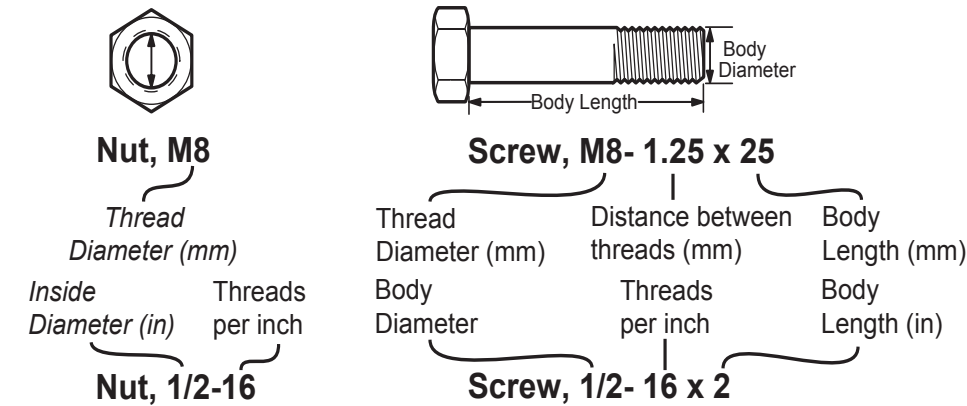
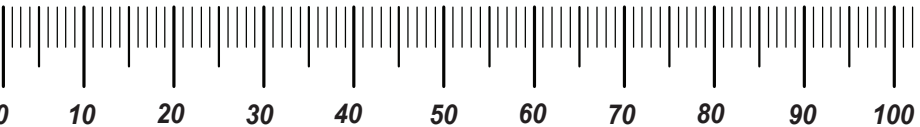
Wheel and Tire Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5108104	2	TIRE WHEEL ASM, 24X9.50-12 TURF MASTER
0010-10	5108115X2	2	TIRE, 24 X 9.50-12, TURF MASTER -(One per tire)
0010-20	5103887X1	2	WHEEL, 12 X 7, 5/4.5, 1.13 OFFSET (SV) -(One per tire)
0020	5020601	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER
0030	5023136	2	WHEEL & TIRE ASSEMBLY, 13 x 6.5 x 6, Complete
0030-10	5022577	2	TIRE, Rubber Only -(One per tire)
0030-20	5023136X1	2	WHEEL ASSEMBLY, FOR 13 X 6.5 X 6 TIRES (INCLUDES BEARING AND SEALS) -(One per tire)
0030-30	5022631SX2	4	BEARING, Tapered Roller -(Two per tire)
0030-40	5022631SX3	4	SEAL, GREASE -(Two per tire)
0030-50	5022631SX4	2	BEARING, RACE -(One per tire)
0040	5025158	2	WASHER, 1/2 SAE
0050	5025017X72	2	BOLT, 1/2-13 X 9" GD5 YZ
0060	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
0070	5103594	4	DEBRIS, COVER, CASTER WHEELS
0080	5103649	2	BEARING ADJUSTER, SPACER, 7.062 LG
0090	5103650	2	NUT, BEARING ADJUSTER, AXLE

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).

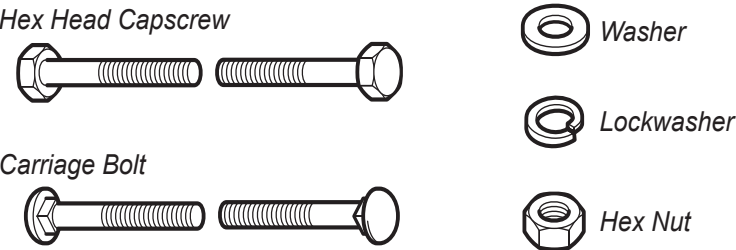
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

