Parts Manual

Mfg. No: 5901570

IS3200Z Series w/ 72" Mower Deck & ROPS (IS3200ZKAV3572)

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61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978507 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

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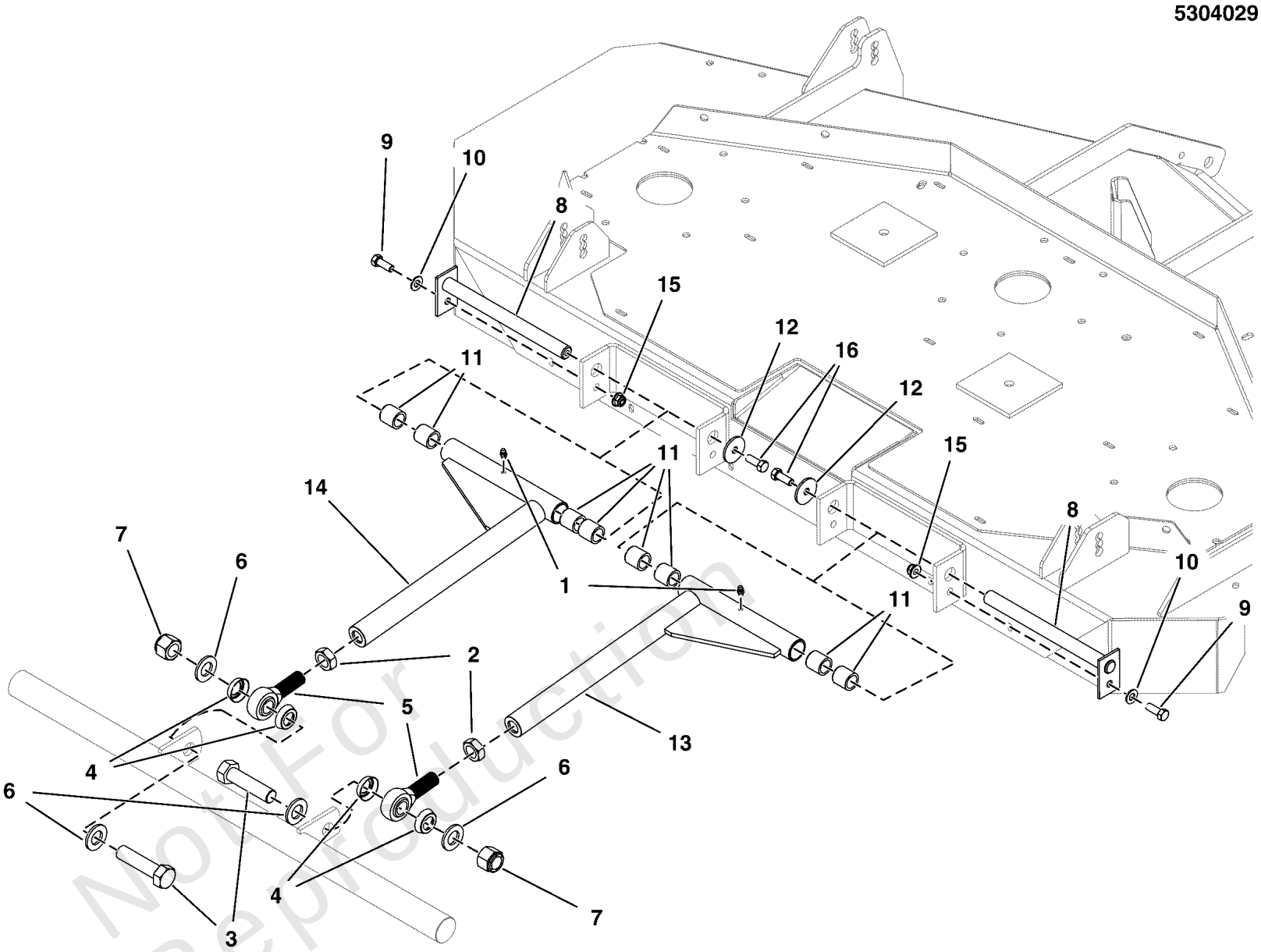

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61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978507 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
2	5025093	2	NUT, 3/4-16 HEX JAM
3	5025265X24	2	BOLT-3/4-16 X 3 GD8 CZ
4	5022111	4	SEAL, 3/4 ROD END
5	5022039	2	BALL JOINT, 3/4-16, MALE
6	5025160	4	WASHER, 3/4" SAE
7	5025284	2	NUT, 3/4-16 HEX NYLON LOCK
8	5045037A	2	WELD, DECK MOUNT SHAFT - BLK -(Refer to Note: *)
9	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
10	5025156	2	WASHER, 3/8 SAE
11	5023344	8	BUSHING, .75 X 1.00 X 1.00, PLASTIC
12	5100548	2	WASHER, .390 X 1.50 X .109, CZ
13	-----	1	WELD, PUSHER BAR, IS3200Z, RH - BLK -(Refer to Note: *)
14	-----	1	WELD, PUSHER BAR, IS3200Z, LH - BLK -(Refer to Note: *)
15	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
16	5025443	2	BOLT, 3/8-16 X 3/4, PLT W/PATCH

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Footnotes:

Note: *If replacing this part order both the pusher bar and pin as shown in the higher serial number range.

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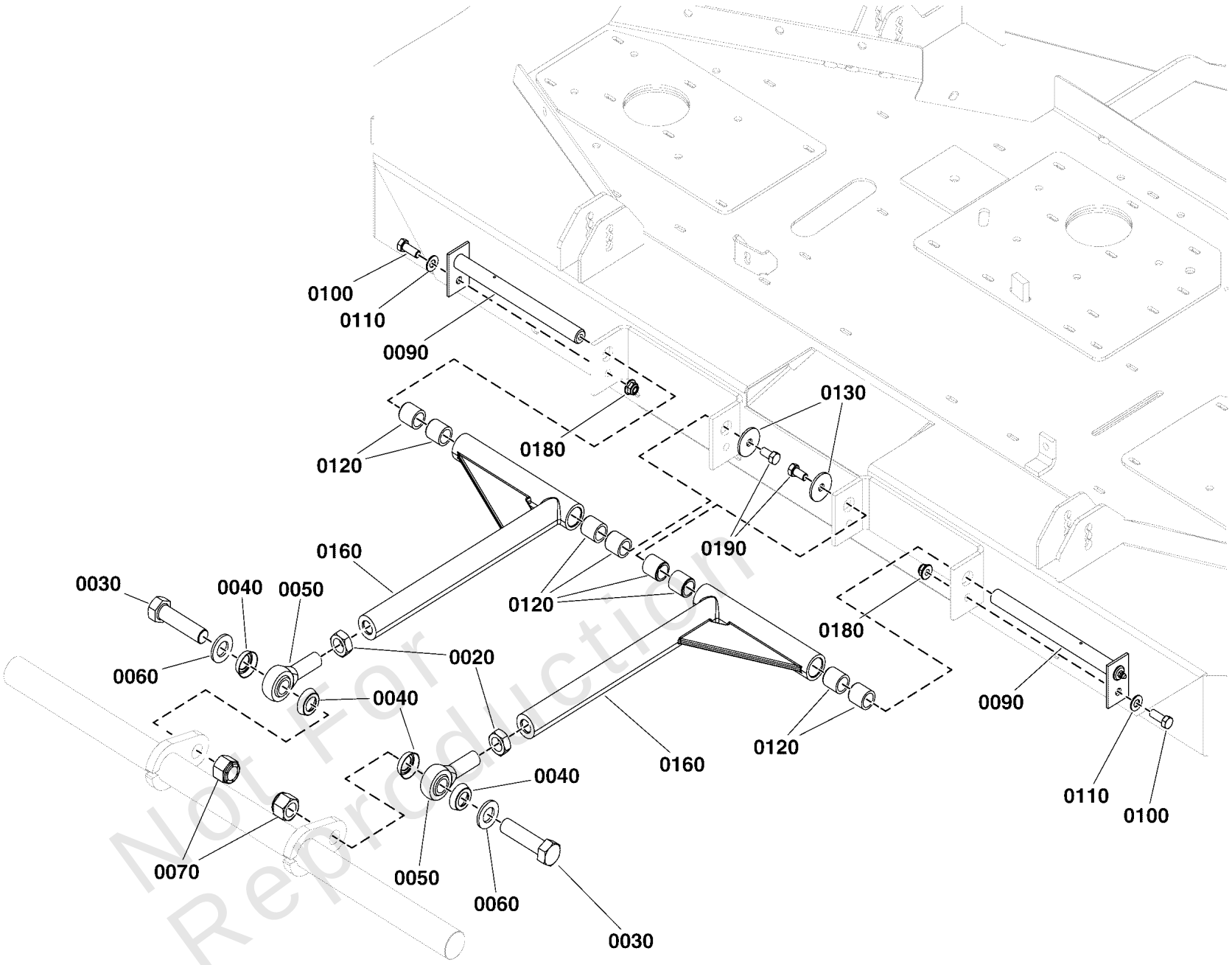
61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978508 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978508 & Above

REF NO	PART NO	QTY	DESCRIPTION
0020	5025093	2	NUT, Hex, Jam, 3/4-16
0030	5025265X24	2	BOLT, 3/4-16 X 3" YZ GD5
0040	5022111	4	SEAL, 3/4" ROD END
0050	5022039	2	BALL JOINT, 3/4-16, MALE
0060	5025160	4	WASHER, 3/4" SAE
0070	5025284	2	NUT, Hex, Nylon Lock, 3/4-16
0090	5415240	2	WELD, DECK MOUNT SHAFT
0100	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
0110	5025156	2	WASHER, 3/8 SAE
0120	5023344	8	BUSHING, .75 X 1.00 X 1.00, Plastic
0130	5100548	2	WASHER, .390 X 1.50 X .109, YZ
0160	5108820	2	PUSHER BAR - CAST
0180	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0190	5025443	2	BOLT, 3/8-16 X 3/4, PLT W/PATCH

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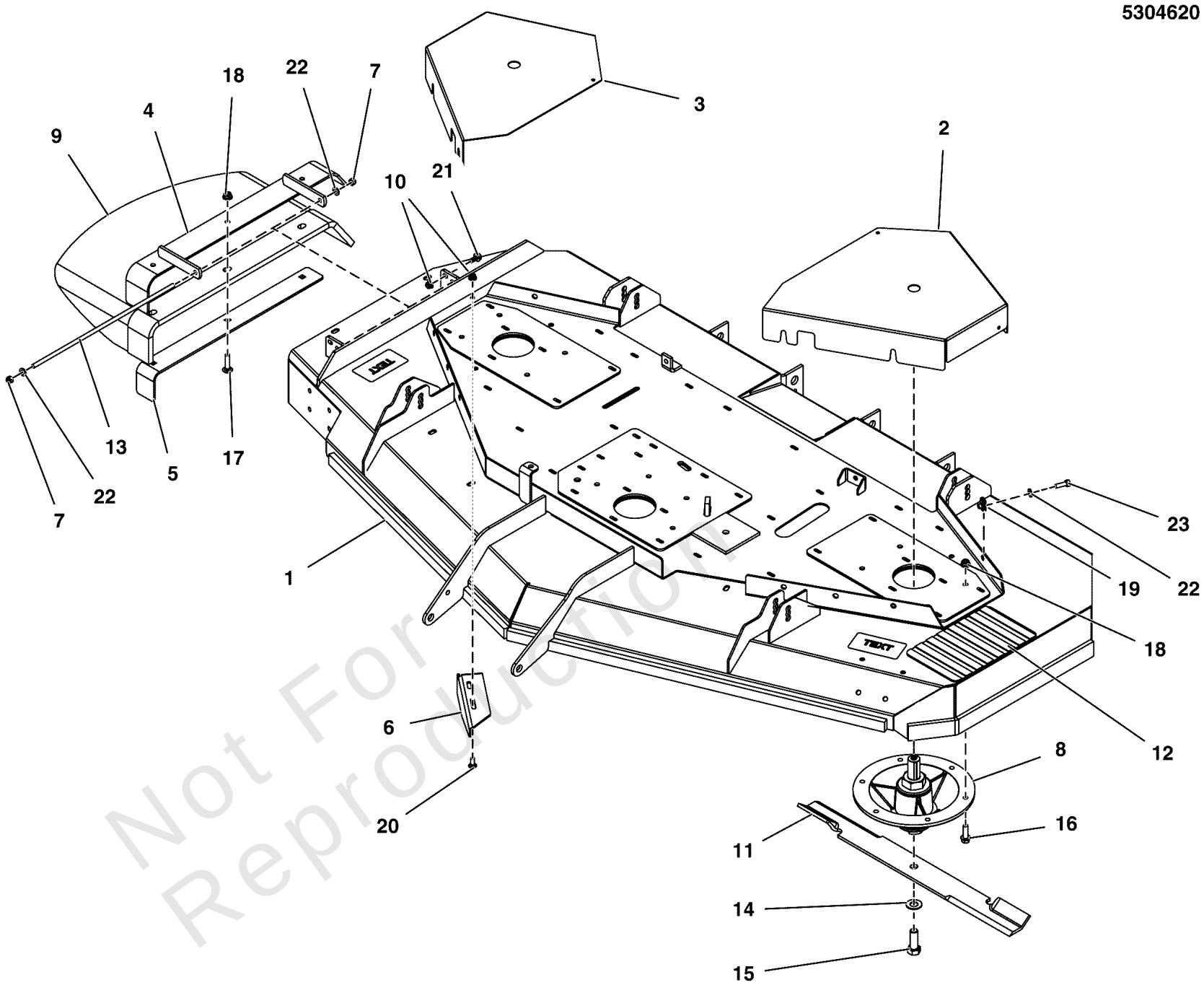
72" Mower Deck Group - Housing, Covers, Spindles & Blades (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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72" Mower Deck Group - Housing, Covers, Spindles & Blades (2 Belt System)

REF NO	PART NO	QTY	DESCRIPTION
1	5600979	1	DECK SHELL W/DECALS, 72, 3200Z (5415350B) -(Domestic Models - S/N: 2017954955 & Below)
1	5601127	1	DECK SHELL W/DECALS, 72-3200E (5415350B) -(Export Models - S/N: 2017954955 & Below)
1	5601123	1	DECK SHELL W/DECALS, 3200-72 (5417007B) -(Domestic Models - S/N: 2017954956 & Above)(Refer to Note: *)
1	5601124	1	DECK SHELL W/DECALS, 3200-72E (5417007B) -(Export Models - S/N: 2017954956 & Above)(Refer to Note: *)
2	5416044B	1	GUARD,MOWER DECK,LH,72 2-BELT 3200 - RED
3	5416043B	1	GUARD,MOWER DECK,RH,72 2-BELT 3200 - RED
4	5413387A	1	WELD, MOUNT, DISCHARGE CHUTE - BLK
5	5413385A	1	SUPPORT, DISCHARGE CHUTE - BLK
6	5407876A	1	PLATE, DEFLECTOR, 72 - BLK
7	5025045	2	NUT, Hex, Nylon Lock, 5/16-24
8	5413009	3	SPINDLE, ASSM, CAST IRON - 10.0
9	5413499	1	CHUTE, RUBBER DISCHARGE (5104442)
10	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
11	5102227S	1	BLADE, 25 X 25 X 2.50, HIGH LIFT (SET OF 3) -(SET OF THREE BLADES)
12	5101005	1	SAFETY WALK, 9.75 X 6.00
13	5061300	1	ROD, MOUNT, CHUTE, 61, CZ
14	5025477	3	WASHER, BLADE BOLT, 9/16" F436, CZ
15	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8 -(Torque blade mounting bolts to 120 ft-lbs (163 Nm)
16	5025390X10	18	BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ -(Torque spindle mounting bolts to 30 ft-lbs (41 Nm)
17	5025146X12	3	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
18	5025394	21	NUT, 3/8 - 16 HEX NYLOCK FLANGE
19	5022308	6	BODY CLIP, 5/16-18 7GA. MATERIAL
20	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
21	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
22	5025155	8	WASHER, 5/16" SAE
23	5025011X8	6	BOLT, 5/16-18 X 1" GRD5 YZ

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Footnotes:

Note: * If replacing the deck shell with decals on units in serial number range 2017954956 - 2018105410, you must also order 5105844 - Qty: 1, 5025098 - Qty: 1, 5025089 - Qty: 1, 5025158 - Qty: 2.

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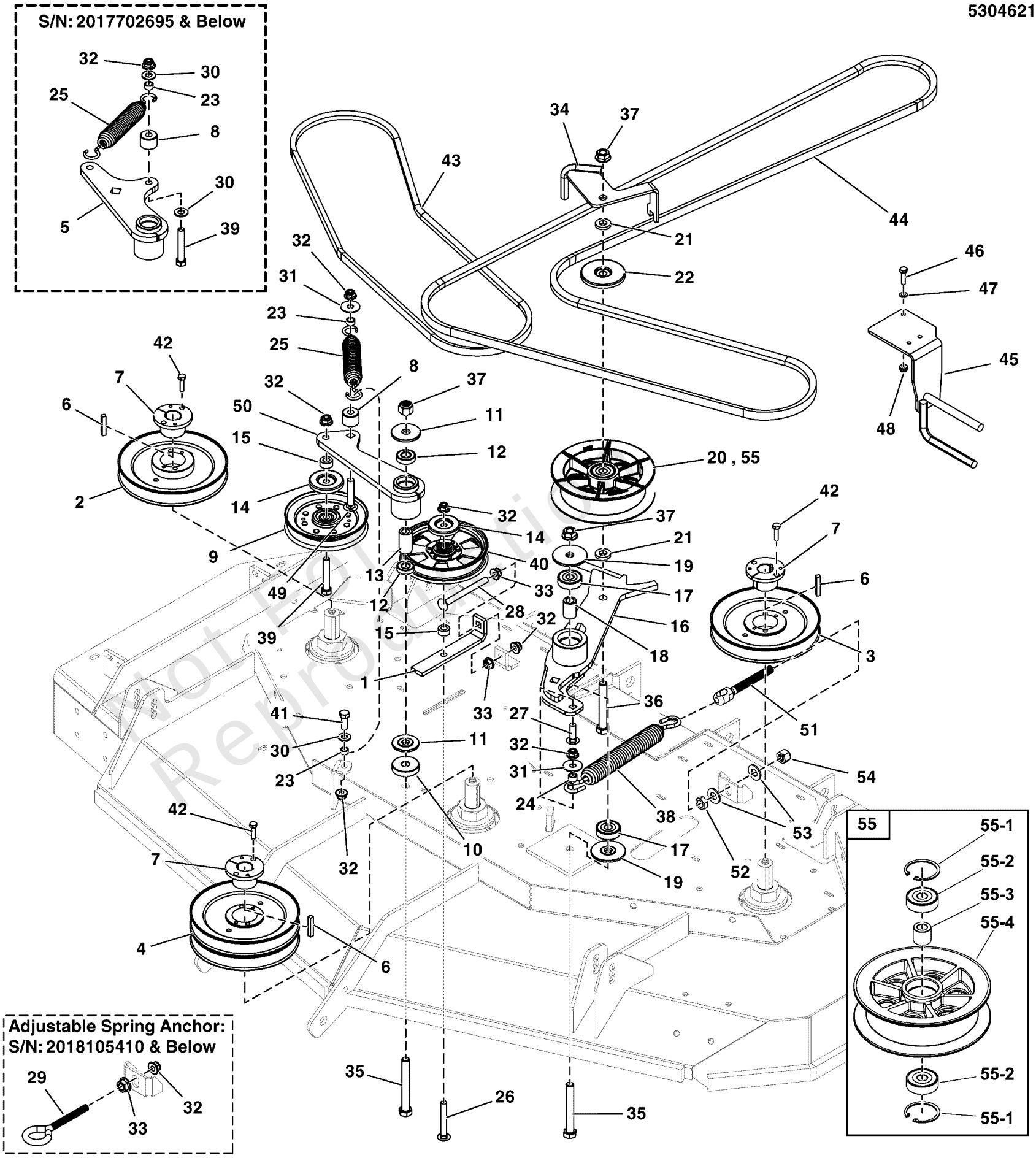
72" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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

REF NO	PART NO	QTY	DESCRIPTION
1	5415508A	1	PLATE, IDLER PUSHER, 72 - BLK
2	5105052	1	PULLEY, SPNDL, 8.37"OB, HQ BORE -RH
3	5105053	1	PULLEY, SPNDL, 8.37"OB, HQ BORE -LH
4	5105054	1	PULLEY, SPNDL, 8.37"OB-DBL, HQ BORE
5	-----	1	REPLACE W/ 5416161A & 5025146X16 -(S/N: 2017702695 & Below)(Refer to Note: *)
6	5022726	3	KEY 1/4 SQ X 1 1/2 LONG
7	5020819	3	BUSHING, Tapered Hub
8	5043815	1	SPACER, .39 X 1.00 X .75, CZ
9	5108772	1	PULLEY, V-IDLER, 5"OD X 3/8", CZ, TE
10	5105066	1	SPACER, .52 X 1.75 X .420, CZ
11	5103262	2	SPACER, IDLER ARM, 1/2, PM
12	7078243	2	BEARING, BALL, AXLE
13	5103812	1	SPACER, .52 X .84 X 1.53, PM
14	5105033	2	SHIELD, PULLEY, 3/8"ID X 2"OD, CZ
15	5100334	2	SPACER, .39 X 1.00 X .63, CZ
16	5415997A	1	WELD, IDLER ARM, 2B DECK DRIVES - BLK
17	5104383	2	BEARING, 6203-1/2", SEALED
18	5104456	1	SPACER, .51 X .84 X 1.22, PM, CZ
19	5104379	2	SPACER, IDLER ARM, 1/2 X 2.25
20	-----	1	NLA - IDLER PULLEY -(S/N: 4001876772 & Below)(Refer to Note: *)
21	5100520	2	SPACER, .52 X 1.00 X .22, PM, CZ
22	5105041	1	SHIELD, PULLEY, 1/2"ID X 2-7/8"OD, CZ
23	5041930	2	SPACER, .38 X .50 X .27, CZ
24	5105297	1	SPACER, .39 X .63 X .375M DOM CZ
25	5022847	1	SPRING-EXT, 1.04 ODX6.935LGX.148WR, BLK
26	5025146X20	1	BOLT, 3/8-16 X 2-1/2, CARRIAGE, GD5, CZ
27	5025146X12	1	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
28	5025146X36	1	BOLT, 3/8-16 X 4-1/2, CARRIAGE, GD5, CZ
29	5021812		EYE BOLT, 3/8-16 X 6, 3THRD, 1EYE, CZ -(S/N: 2018017374 & Below)
29	5023497	1	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ -(S/N: 2018017375 - 2018105410)
30	5025156	2	WASHER, 3/8 SAE -(Qty: 4 - S/N: 2017702695 & Below)
31	5025165	2	WASHER, 3/8" Fender
32	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE -(Qty: 7 - S/N: 2018105410 & Below)
33	5025128	2	NUT, 3/8-16 Hex Large Serrated Flange -(Qty: 3 - S/N: 2018105410 & Below)
34	5415996A	1	WELD, UPPER ARM GUIDE - BLK
35	5025017X32	2	BOLT, 1/2-13 X 4" GD5 CZ
36	5025017X28	1	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
37	5025396	3	NUT, Hex Flange, Nylock, 1/2-13
38	5105068	1	SPRING, EXT1.22"ODX10.5"FLX.192"WIRE BLK
39	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ -(Qty: 2 - S/N: 2017702695 & Below)
40	5105109	1	PULLEY, FLT IDLR, 6.0 X 1.0 X .38, CZ

Footnotes:

Note: *Replace with item #55.
Note: *When replacing this pulley, order the higher serial number pulley.
Note: *After updating set coil-to-coil spring length to 6-3/8" ± 1/8"

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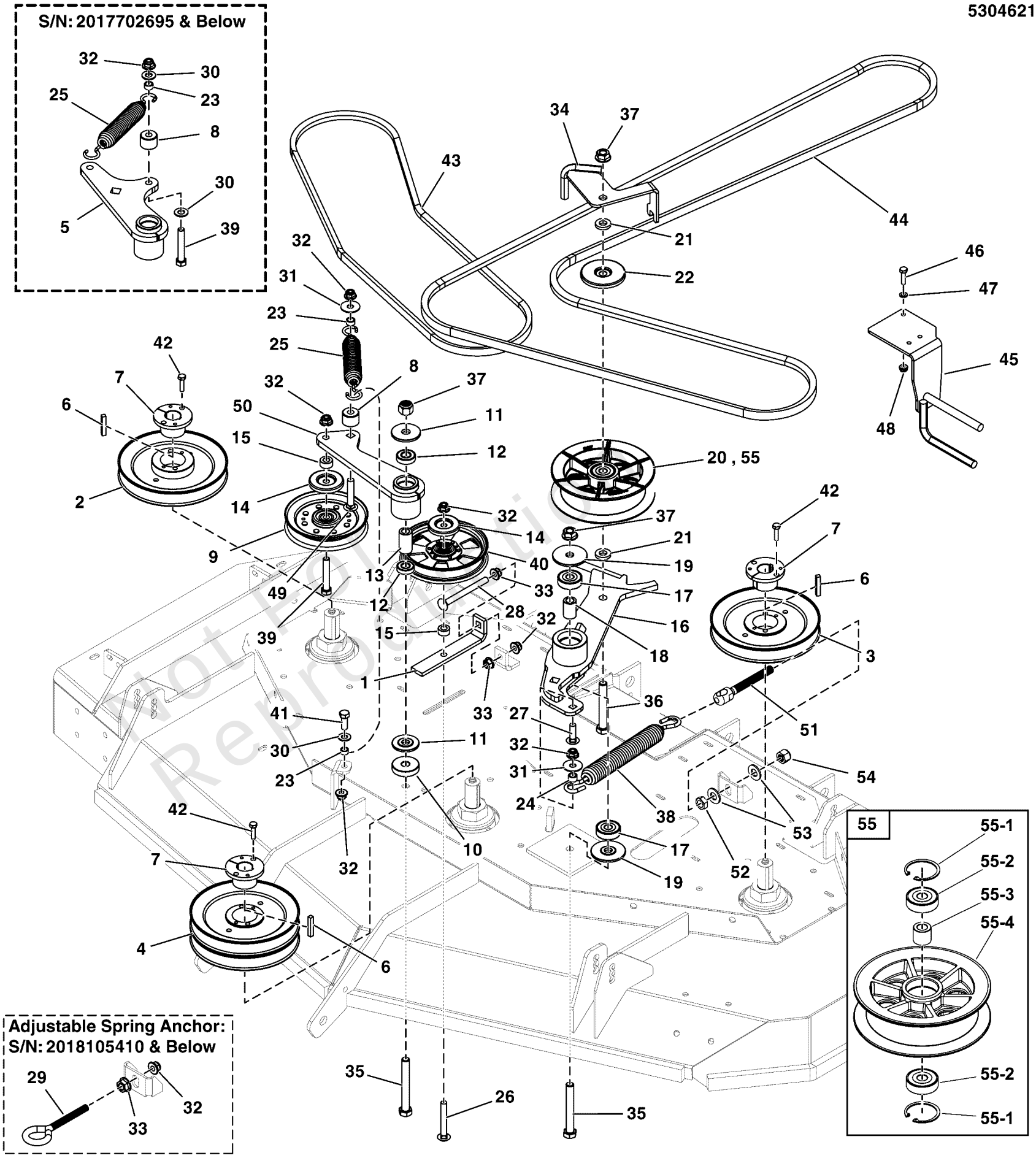
72" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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

REF NO	PART NO	QTY	DESCRIPTION
41	5025013X8	1	BOLT, 3/8-16 X 1" GD5 CZ
42	5025010X8	6	BOLT, 1/4-20 X 1" GD5 CZ
43	5105036	1	BELT, B-SEC, 76.40 EL, ARAMID, WRPD
44	5105035	1	BELT, 5V/SPB, 156.70 EL, LG ARAMID, WRPD
45	5416020A	1	WELD, CLUTCH BELT GUIDE - BLK
46	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
47	5025154	2	WASHER, 1/4 SAE
48	5025391	2	NUT, 1/4-20 Hex Nylock Flange
49	5025146X16	1	BOLT, 3/8-16 X 2, CARRIAGE, GD5, CZ -(S/N: 2017702696 & Above)
50	5416161A	1	WELD, IDLER ARM, 2 BELT DRIVE - BLK -(S/N: 2017702696 & Above)
51	5105844	1	SPRING PULLER, 1/2-20, 5.00 -(S/N: 2018105411 & Above)
52	5025089	1	NUT, 1/2-20 Hex Jam -(S/N: 2018105411 & Above)
53	5025158	2	WASHER, 1/2 SAE -(S/N: 2018105411 & Above)
54	5025098	1	NUT, Hex, Nylon Lock, 1/2-20 -(S/N: 2018105411 & Above)
55	5109029	1	PULLEY, IDLER, 5.50, CI -(S/N: 4001876773 & Above)(Includes items # 55-1 to 55-4).
55-1	5020865	2	SNAP RING, Internal -(S/N: 4001876773 & Above)
55-2	5109021	2	BEARING, 6203-3RC3-1/2SRI2-Q -(S/N: 4001876773 & Above)
55-3	5105011	1	SPACER, .505 X .875 X .805, CZ -(S/N: 4001876773 & Above)
55-4	-----	1	PULLEY HOUSING -(S/N: 4001876773 & Above)(Refer to Note: *)

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Footnotes:

Note: *Replace with item #55.
Note: *When replacing this pulley, order the higher serial number pulley.
Note: *After updating set coil-to-coil spring length to 6-3/8" ± 1/8"

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72" Mower Deck Group - Rollers S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

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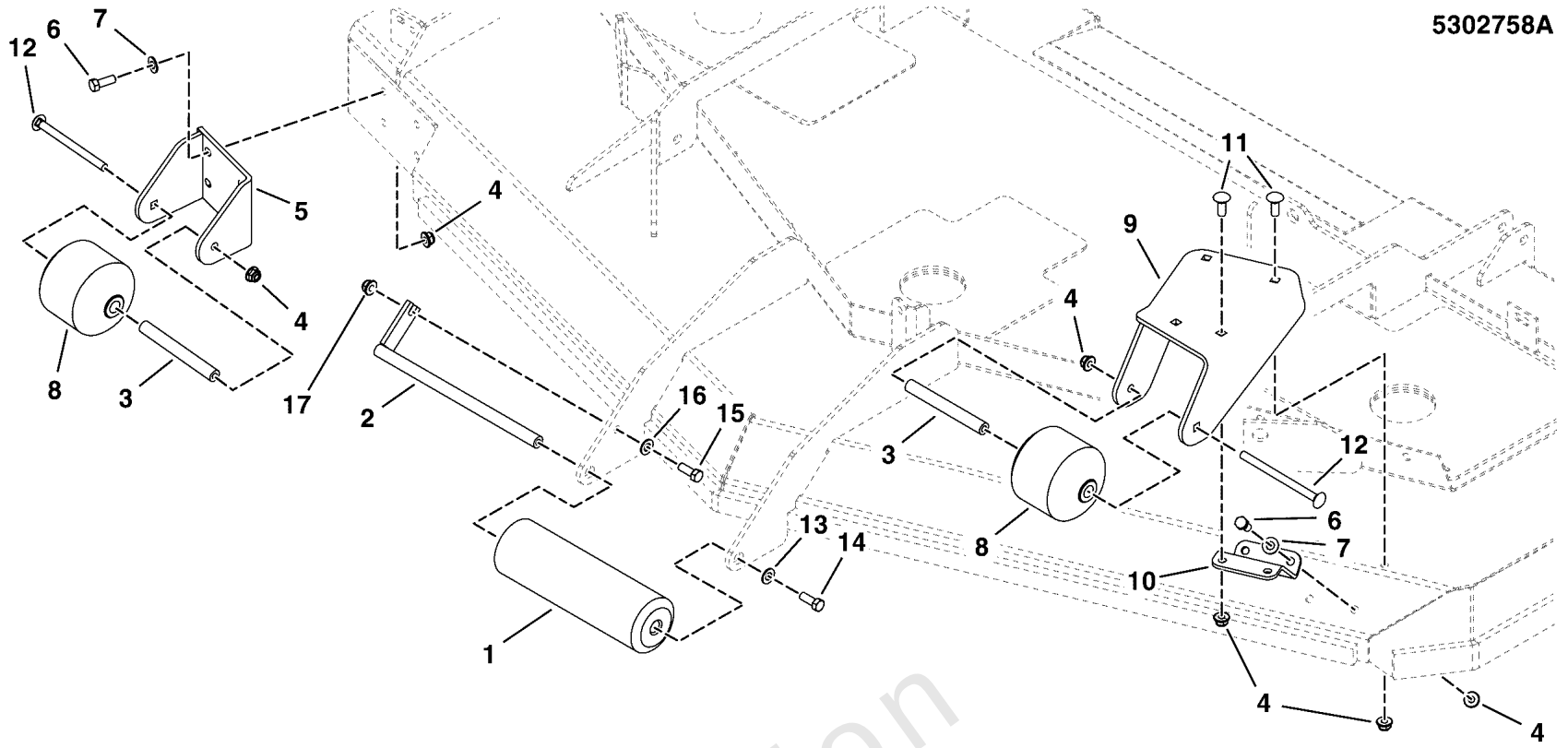

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72" Mower Deck Group - Rollers S/N: 2017954955 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	5020785	1	ROLLER, DECK
2	5041655A	1	WELD, BRACKET, ROLLER PIN - BLK
3	5101971	2	SPACER, .38 X .63 X 4.31
4	5025394	12	NUT, 3/8-16 HEX NYLOCK FLANGE
5	5409705B	1	PLATE, BRACKET, ANTI-SCALP - RED
6	5025013X8	6	BOLT, 3/8-16 X 1" GD5 CZ
7	5025156	6	WASHER, 3/8 SAE
8	5022060	2	ROLLER, SMALL
9	5408127B	1	WELD, ANTI-SCALP BRACKET - RED
10	5407764B	1	PLATE, ANTI-SCALP SUPPORT - RED
11	80004566	4	BOLT,3/8-16X1.00,RD SH SQ NK,GR 5,ZC/CL
12	5025146X44	2	BOLT, 3/8-16 X 5-1/2, CARRIAGE, GD5, CZ
13	5025337	1	WASHER, 5/16 USS
14	5025013X6	1	BOLT, 3/8-16 X 3/4" GD5 CZ
15	5025011X8	1	BOLT, 5/16-18 X 1 GD5 CZ
16	5025292	1	WASHER, 5/16 F436 FLAT
17	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE

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72" Mower Deck Group - Rollers S/N: 2017954956 & Above

Note: Unless noted otherwise, use the standard torque specifications

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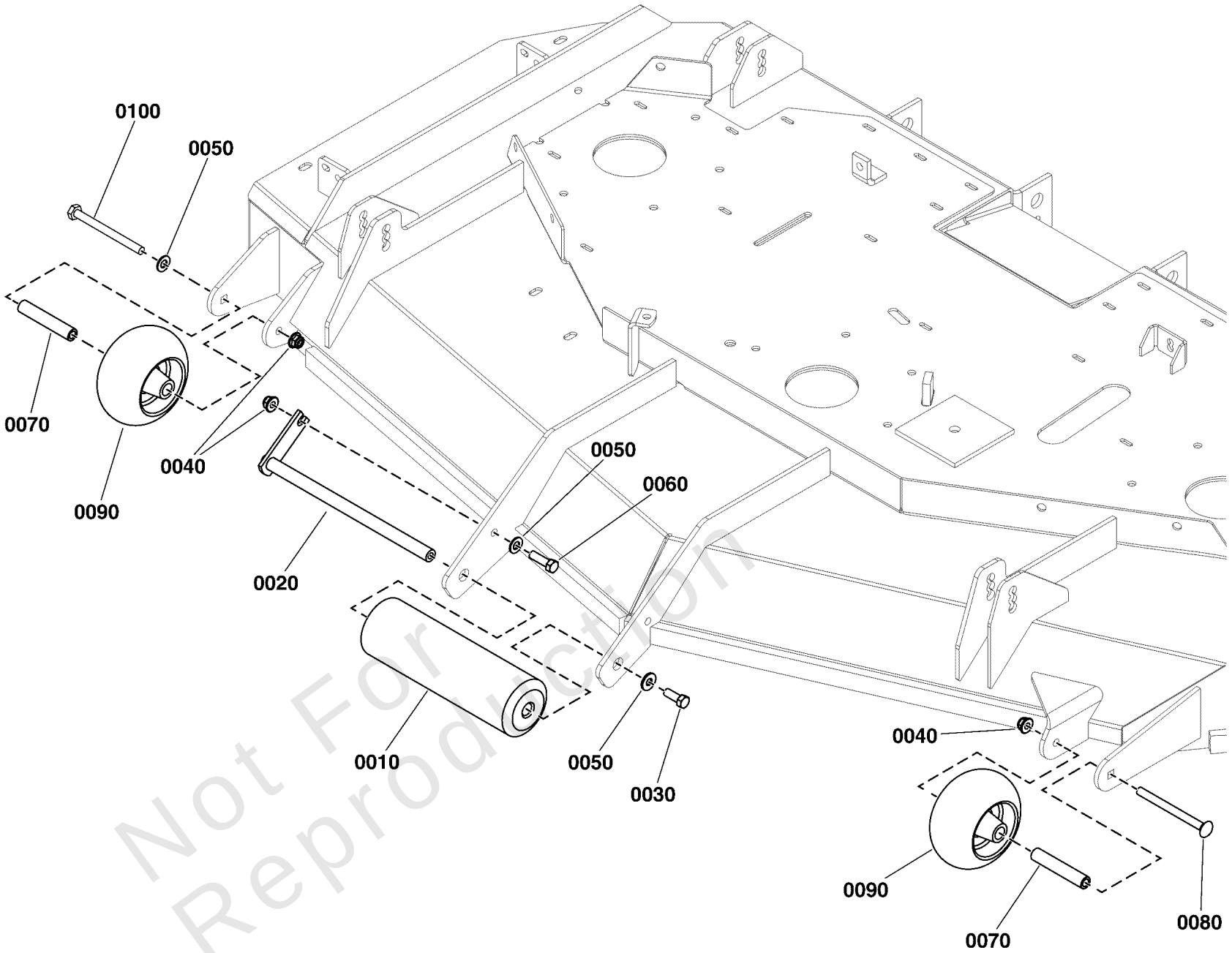

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72" Mower Deck Group - Rollers S/N: 2017954956 & Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5020785	1	ROLLER, DECK
0020	5105755	1	PIN, ROLLER, CZ
0030	5025013X8	1	BOLT, 3/8-16 X 1" GD5 CZ
0040	5025394	3	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0050	5025156	3	WASHER, 3/8 SAE
0060	5025013X8	1	BOLT, 3/8-16 X 1" GD5 CZ
0070	5105554	2	SPACER, .38 X .63 X 3.38, CZ
0080	5025146X36	1	BOLT, 3/8-16 X 4-1/2, CARRIAGE, GD5, CZ
0090	5105521	2	WHEEL, ANTI SCALP, 5"
0100	5025013X36	1	BOLT, 3/8-16 X 4-1/2" GD5 CZ

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Decal Group - Brand & Model

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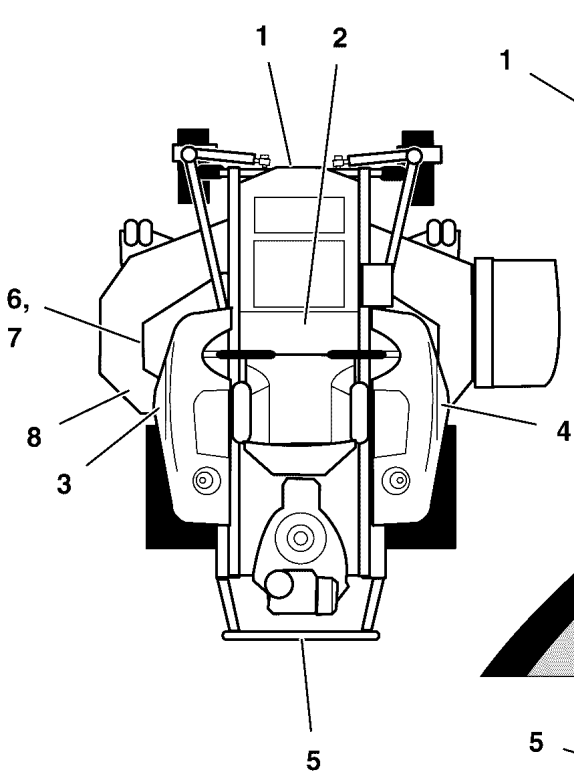

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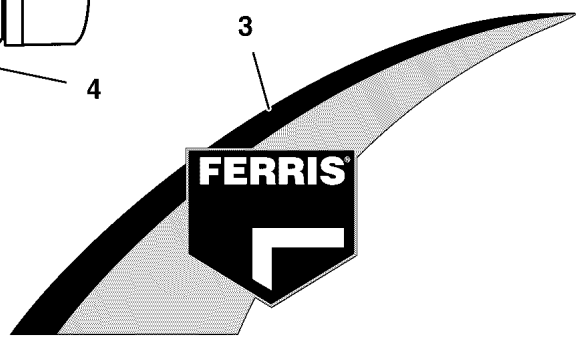

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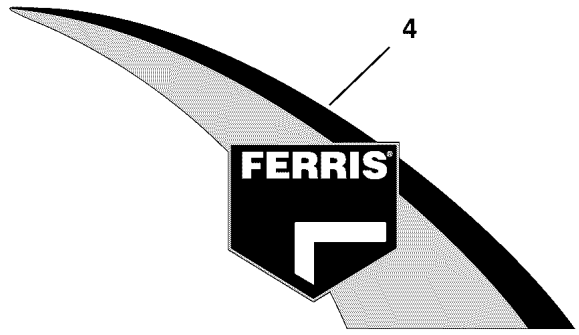

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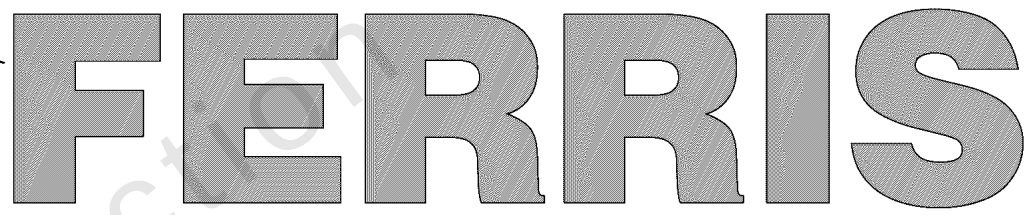

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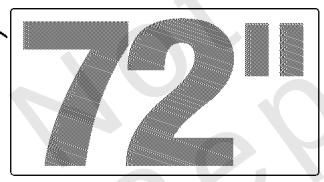

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Decal Group - Brand & Model

REF NO	PART NO	QTY	DESCRIPTION
1	5104756	2	DECAL, FERRIS LOGO, SMALL -(Refer to Note: *)
2	5104758	1	DECAL, MODEL, IS3200Z
3	5104751	1	DECAL, TANK, MED, LH, FERRIS
4	5104752	1	DECAL, TANK, MED, RH, FERRIS
5	5103799	1	DECAL, FERRIS, 2.23" X 11.39"
6	5022813	1	DECAL, 61 -(61" Models Only)
7	5022814	1	DECAL, 72 -(72" Models Only)
8	5102210	1	DECAL, iCD CUTTING SYSTEM

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Footnotes:

Note: *One decal installed on headrest bracket.

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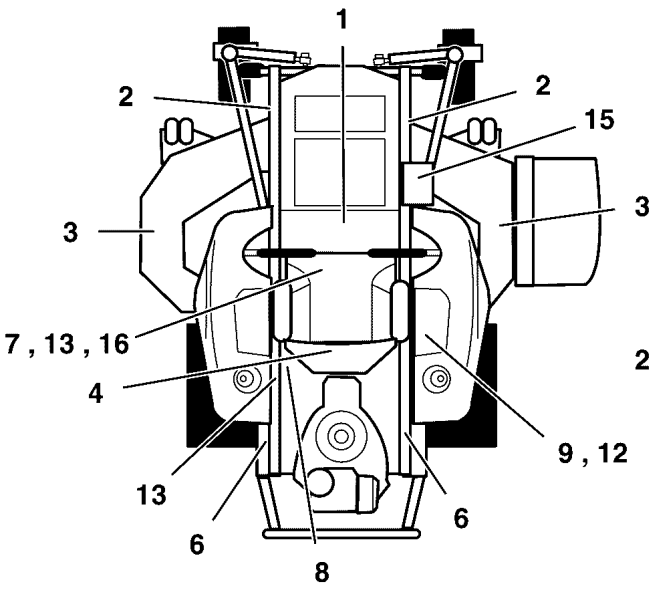
Decal Group - Safety & Operation (USA Models)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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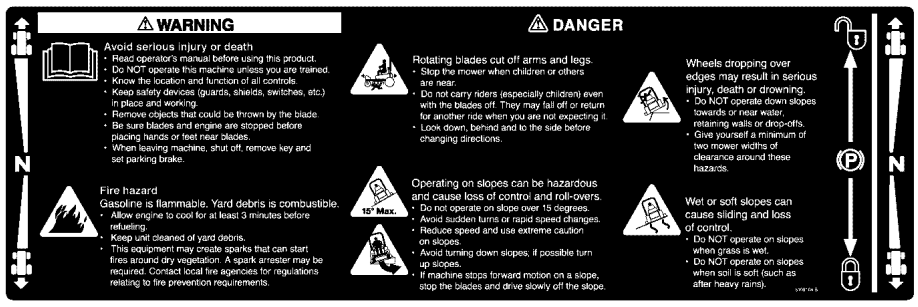

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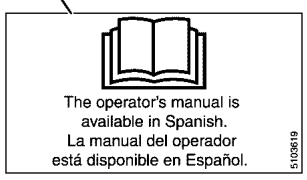

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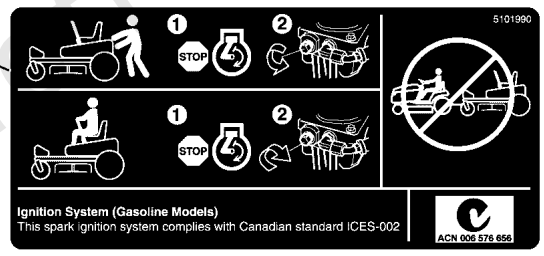

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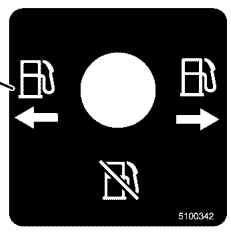

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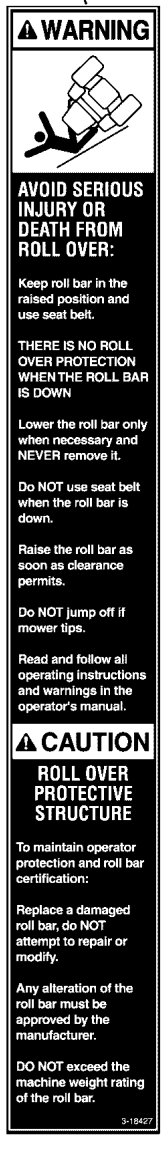

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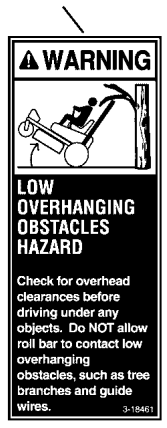

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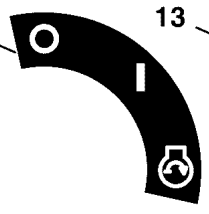

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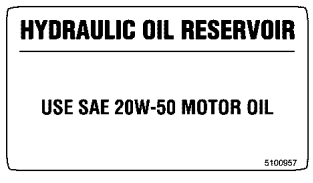

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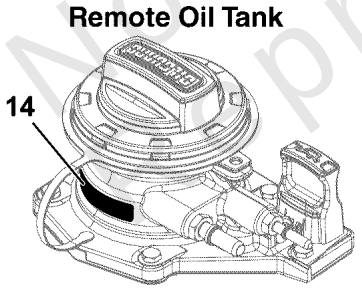
Models with Remote Oil Tank



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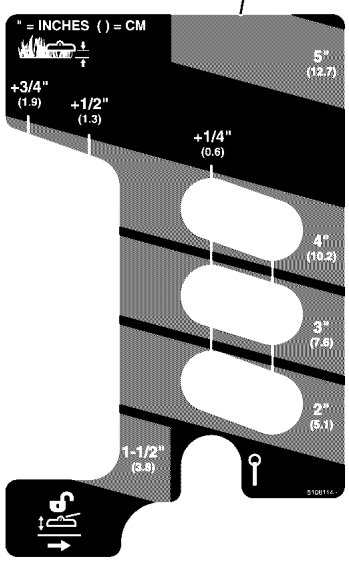

16

Belts & Blades	
Tractor	
Pump Drive Belt	5104378
61" Mower	
Deck Drive Belt - Long LH	5104982
Deck Drive Belt - Short RH	5104780
Mower Blade	5101755S
72" Mower	
Deck Drive Belt - Long LH	5105035
Deck Drive Belt - Short RH	5105036
Mower Blade	5102227S

17

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Decal Group - Safety & Operation (USA Models)

REF NO	PART NO	QTY	DESCRIPTION
1	5103595	1	DECAL, MAIN SAFETY -(S/N: 4000057302 & Below)
1	5109104	1	DECAL, MAIN SAFETY -(S/N: 4000057303 & Above)
2	5061245	2	DECAL, PINCH POINT
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
7	5102090	1	DECAL, TRANSAXLE RELEASE, S200XT
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, 20W50 -(Located on cross rail by hydraulic tanks)
14	-----	1	LABEL, OIL INFORMATION -(Models w/ Remote Oil Tank Only)
15	5103720	1	DECAL, CUT HEIGHT, IS700/ZTS700
16	5105192	1	DECAL, BELT & BLADE IS3200Z 2BELT
17	5104083	1	DECAL, CAUTION, FOLDING ROPS

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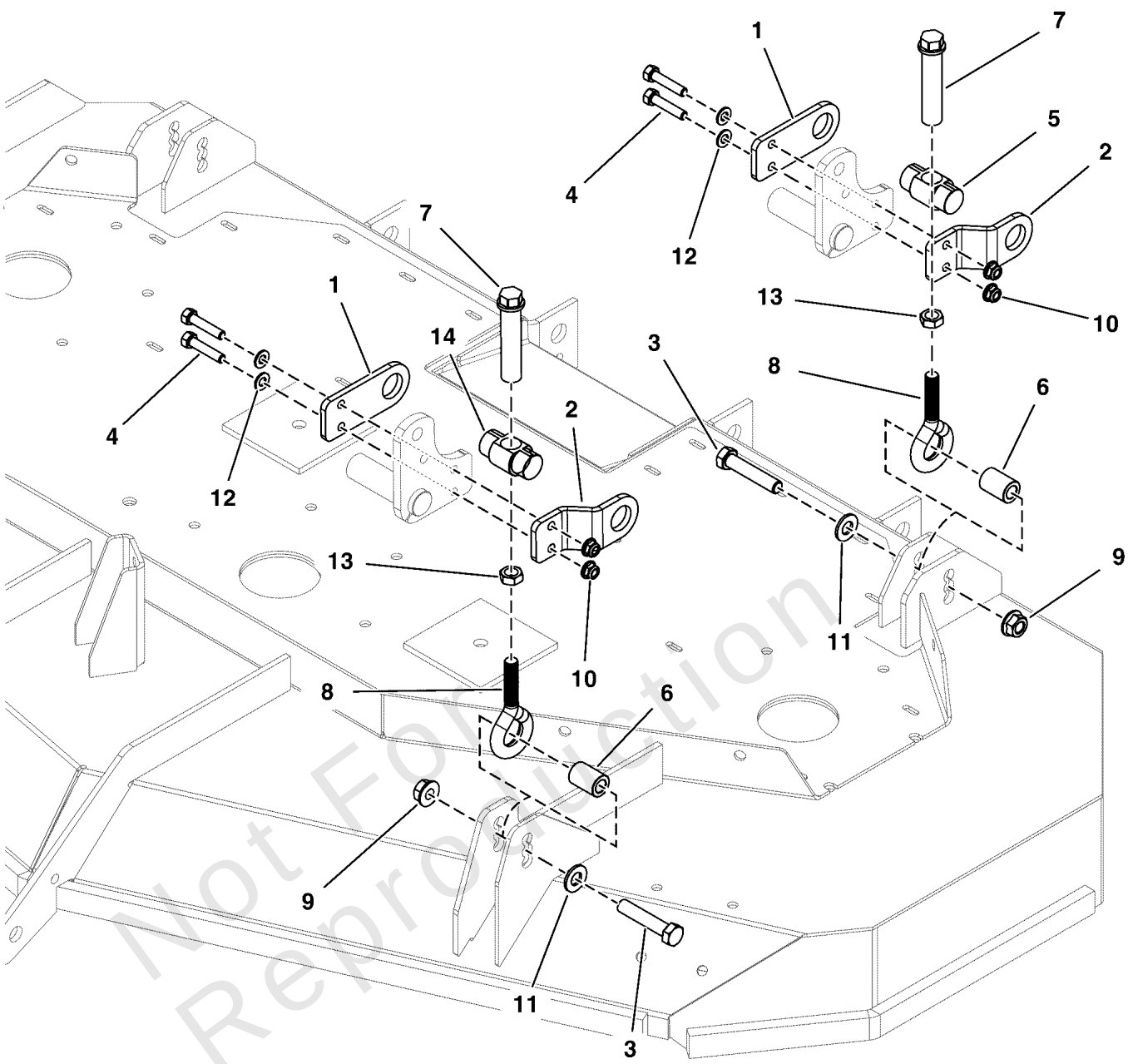
Deck Lift Group - Deck Hangers

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303886C
5303958C



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Deck Lift Group - Deck Hangers

REF NO	PART NO	QTY	DESCRIPTION
1	5413900AA	4	BRACKET, INNER TRUNION MNT - BLK
2	5413899AA	4	BRACKET, OUTER TRUNION MNT - BLK
3	5025017X20	4	BOLT, 1/2-13 X 2-1/2" GD5 CZ
4	5025013X12	8	BOLT, 3/8-16 X 1-1/2" GD5 CZ
5	5104238	2	PIVOT, DECK LIFT TRUNION, GREASABLE
6	5103054	4	SPACER, .52 X .87 X 1.25, CZ
7	5102664	4	ADJUSTER, DECK LIFT, CZ
8	5025615	4	EYE BOLT, 1/2-20X6", 2.5"THRD,
9	5025396	4	NUT, Hex Flange, Nylock, 1/2-13
10	5025394	8	NUT, 3/8 - 16 HEX NYLOCK FLANGE
11	5025158	4	WASHER, 1/2 SAE
12	5025156	8	WASHER, 3/8 SAE
13	5025089	4	NUT, 1/2-20 Hex Jam
14	5105405	2	PIVOT, DECK LIFT, TRUNION, HT, BZ

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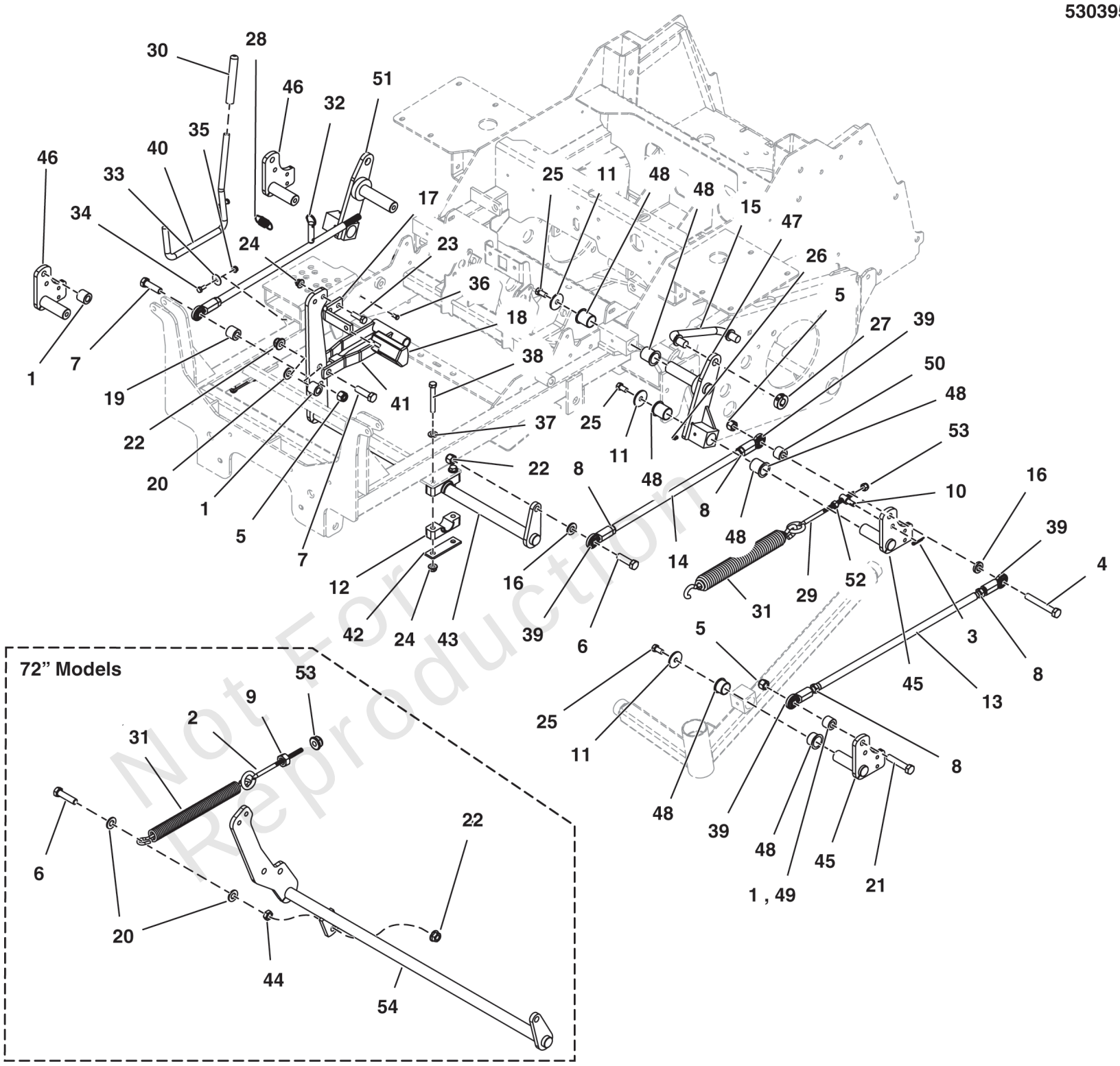
Deck Lift Group S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303886B
5303958B



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Deck Lift Group S/N: 2017954955 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	5045178	2	SPACER, .52 X 1.00 X .75, CZ -(Qty: 3 - 72" Models)
2	5023497	1	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ -(72" Models)
3	5025203X6	2	* PIN, COTTER, 1/8" X 3/4
4	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
5	5025056	4	NUT, Hex, Nylon Lock, 1/2-13
6	5025017X16	1	BOLT, 1/2-13 X 2" GD5 CZ -(Qty: 2 - 72" Models)
7	5025017X20	2	BOLT, 1/2-13 X 2-1/2" GD5 CZ
8	5025089	8	NUT, 1/2-20 Hex Jam
9	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange -(72" Models)
10	5100380	2	* ADJUSTER, DECK HANGER
11	5100548	6	WASHER, .390 X 1.50 X .109, YZ
12	5100634	4	PIVOT BLOCK, PLASTIC
13	5103710	2	ROD, DECK LIFT, EXTERNAL THRD, 20.63
14	5104475	2	BAR, DECK LIFT, 17.75"
15	5103703	2	ROD, SUSPENSION LINK, IS700, CZ
16	5100520	3	SPACER, .52 X 1.00 X .22, PM, CZ
17	5061569A	1	PEDAL, FOOT - BLK
18	5104262	1	PEDAL, Rubber
19	5044673	1	SPACER, .52 X 1.00 X .88, PM, CZ
20	5025158	3	WASHER, 1/2 SAE -(Qty: 5 - 72" Models)
21	5025017X22	2	BOLT, 1/2-13 X 2-3/4 GD5 CZ
22	5025396	3	NUT, Hex Flange, Nylock, 1/2-13 -(Qty: 4 - 72" Models)
23	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
24	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE -(Qty: 7 - 72" Models)
25	5025443	6	BOLT, 3/8-16 X 3/4, PLT W/PATCH
26	5020095	8	GREASE FITTING, 1/4-28 Straight
27	5020441	4	COLLAR, 5/8" Split
28	5010213	1	SPRING-EXT, .740 ODX2.025LGX.072WR, BLK
29	5021811	2	EYE BOLT, 3/8-16 X 8, 3THRD, 1EYE, CZ
30	5021880	1	GRIP, FOAM, .475 X 4.35 X .095
31	5023392	2	SPRING-EXT, 1.393 ODX13.25LGX.218WR, BLK -(Qty: 3 - 72" Models)
32	5023498	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
33	5025288	2	WASHER, 1/4" Fender
34	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
35	5025391	2	NUT, 1/4-20 Hex Nylock Flange
36	5025212X4	1	PIN, CLEVIS, 1/4 X 1/2, PLATED
37	5025156	8	WASHER, 3/8 SAE
38	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
39	1702779	8	JOINT-BALL .500-20 THD .500ID, CLR ZINC
40	5410317A	1	WELD, Rod, Deck Lift - BLK
41	5410315A	1	WELD, DECK HEIGHT LINK - BLK
42	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
43	5412678B	1	WELD, DECK LIFT SHAFT - RED (61) -(61" Models)
44	5025301	1	NUT, Hex, Jam, 1/2-13 -(72" Models)

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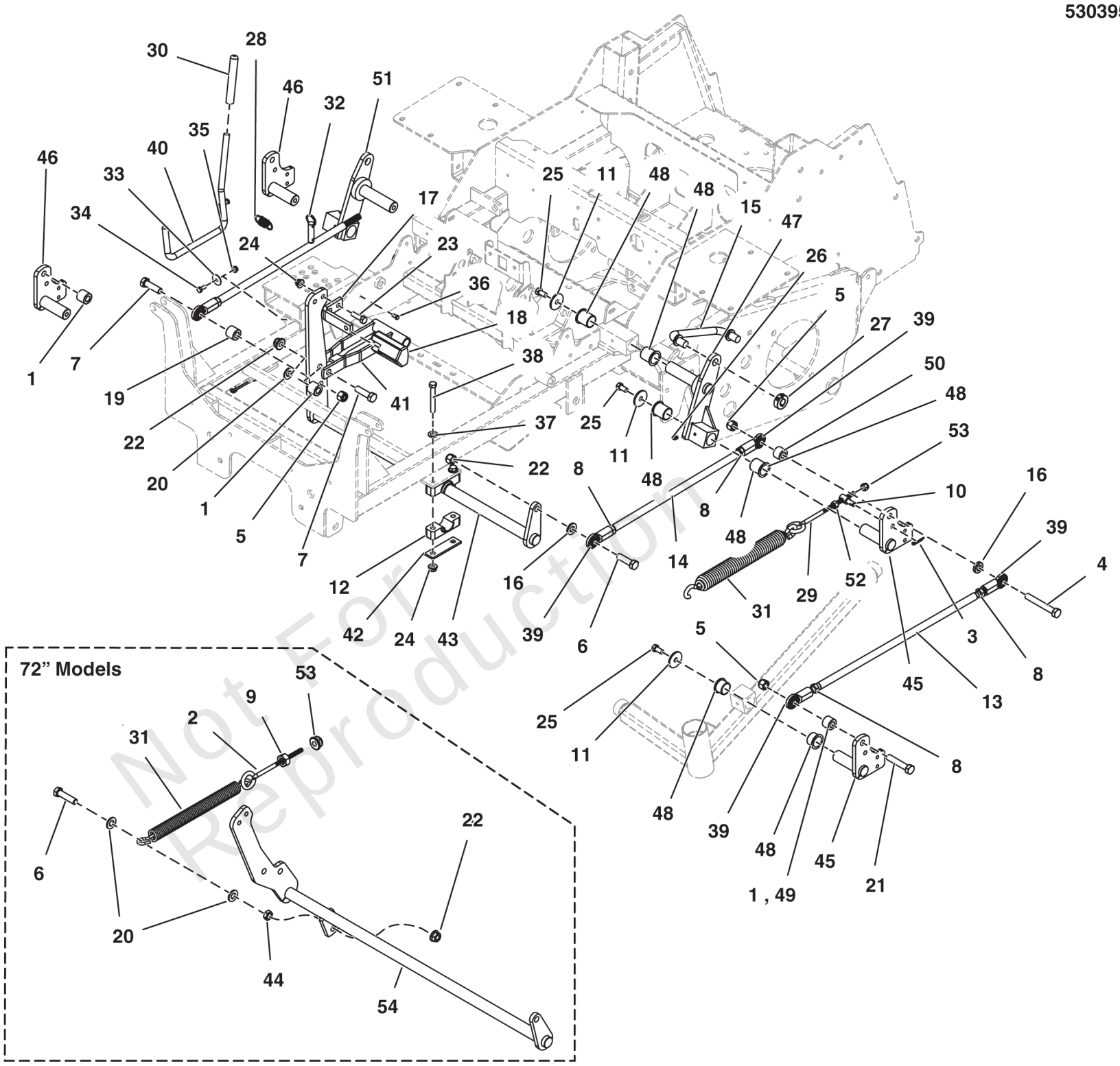
Deck Lift Group S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303886B
5303958B



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Deck Lift Group S/N: 2017954955 & Below

REF NO	PART NO	QTY	DESCRIPTION
45	5413901AA	2	WELD, DECK LIFT LEVER, LH - BLK
46	5413902AA	2	WELD, DECK LIFT LEVER, RH - BLK
47	5401664A	1	WELD, REAR LIFT - LH - BLK
48	5023343	12	BUSHING, 1.00 X 1.13 X 1.38, Plastic
49	5049777	1	SPACER, .52 x 1.00 x 1.00 -(61" Models)
50	5045023	2	SPACER, .52 X 1.00 X .44, CZ
51	5401665A	1	WELD, REAR LIFT - RH - BLK
52	5025034	2	NUT, 3/8-16 HEX, YZ
53	5025096	2	NUT, Hex, Nylon Locking, 3/8-16
54	5413565B	1	WELD, DECK LIFT SHAFT, 72 -(72" Models)(S/N: 2017811845 & Below)
54	5420046AA	1	WELD, DECK LIFT SHAFT, 72 - BLK -(72" Models)(S/N: 2017811846 & Above)

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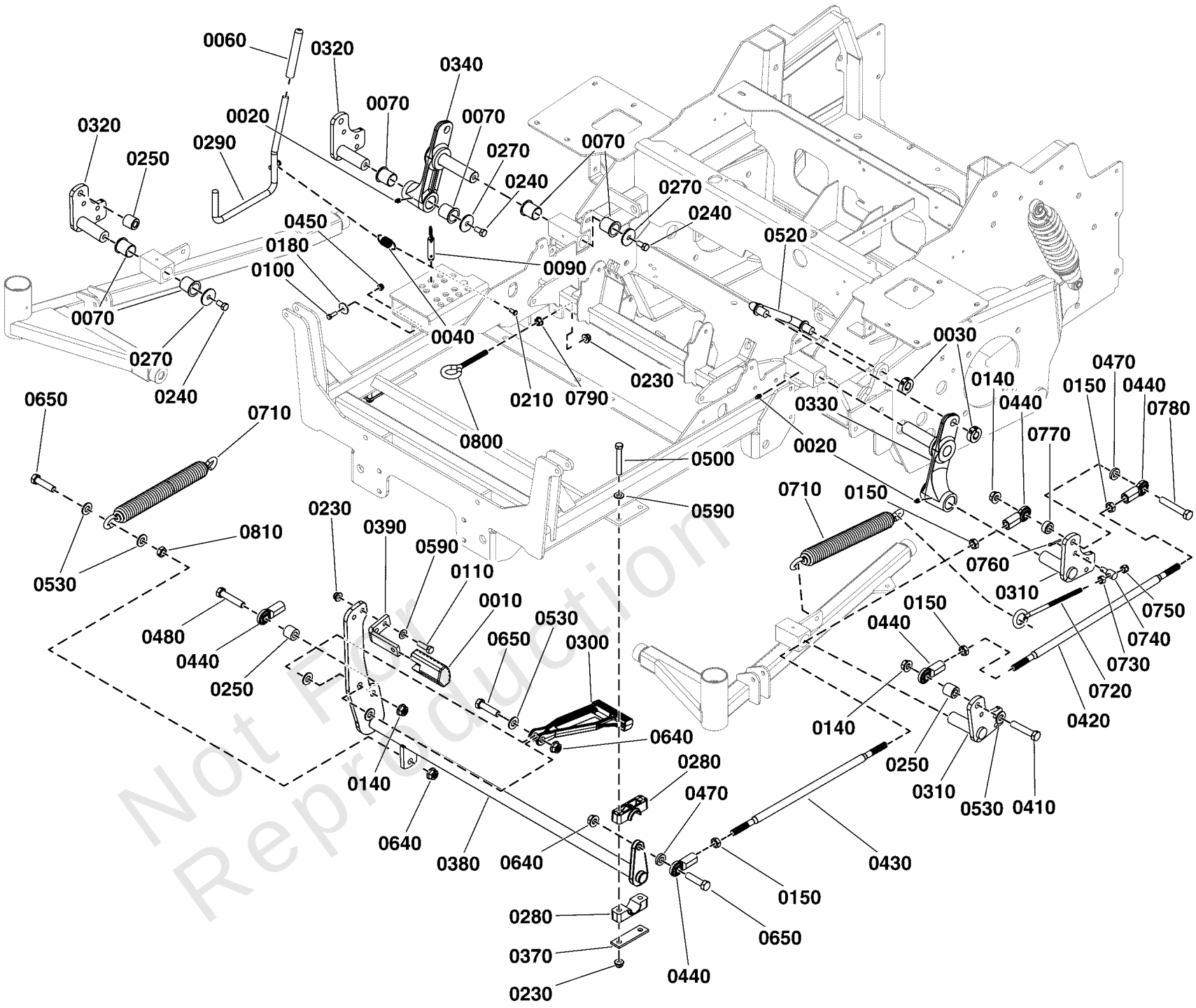
Deck Lift Group S/N: 2017954956 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Deck Lift Group S/N: 2017954956 & Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5104262	1	PEDAL, Rubber
0020	5020095	8	GREASE FITTING, 1/4-28 Straight
0030	5020441	4	COLLAR, 5/8" Split
0040	5010213	1	SPRING-EXT, .740 ODX2.025LGX.072WR, BLK
0060	5021880	1	GRIP, FOAM, .475 X 4.35 X .095
0070	5023343	12	BUSHING, 1.00 X 1.13 X 1.38, Plastic
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	5025056	4	NUT, Hex, Nylon Lock, 1/2-13
0150	5025089	8	NUT, 1/2-20 Hex Jam
0180	5025288	2	WASHER, 1/4" Fender
0210	5025212X4	1	PIN, CLEVIS, 1/4 X 1/2, PLATED
0230	5025394	7	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0240	5025443	6	BOLT, 3/8-16 X 3/4, PLT W/PATCH
0250	5045178	3	SPACER, .52 X 1.00 X .75, CZ
0270	5100548	6	WASHER, .390 X 1.50 X .109, YZ
0280	5100634	4	PIVOT BLOCK, PLASTIC
0290	5410317A	1	WELD, Rod, Deck Lift - BLK
0300	5104133	1	LINK, DECK LIFT, CAST IRON
0310	5413901AA	2	WELD, DECK LIFT LEVER, LH - BLK
0320	5413902AA	2	WELD, DECK LIFT LEVER, RH - BLK
0330	5105172	1	ASSM, DECK COMP LINK, LH-CAST
0340	5105173	1	ASSM, DECK COMP LINK, RH-CAST
0370	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
0380	5420046AA	1	WELD, DECK LIFT SHAFT, 72 - BLK
0390	5061569A	1	PEDAL, FOOT - BLK
0410	5025017X22	1	BOLT, 1/2-13 X 2-3/4 GD5 CZ
0420	5103710	2	ROD, DECK LIFT, EXTERNAL THRD, 20.63
0430	5104475	2	BAR, DECK LIFT, 17.75"
0440	1702779	8	JOINT-BALL .500-20 THD .500ID, CLR ZINC
0450	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0470	5100520	3	SPACER, .52 X 1.00 X .22, PM, CZ
0480	5025017X20	1	BOLT, 1/2-13 X 2-1/2" GD5 CZ
0500	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
0520	5103703	2	ROD, SUSPENSION LINK, IS700, CZ
0530	5025158	7	WASHER, 1/2 SAE
0590	5025156	6	WASHER, 3/8 SAE
0640	5025396	4	NUT, Hex Flange, Nylock, 1/2-13
0650	5025017X16	3	BOLT, 1/2-13 X 2" GD5 CZ
0710	5023392	3	SPRING-EXT, 1.393 ODX13.25LGX.218WR, BLK
0720	5021811	2	EYE BOLT, 3/8-16 X 8, 3THRD, 1EYE, CZ
0730	5025034	2	NUT, 3/8-16 HEX, YZ
0740	5100380	2	* ADJUSTER, DECK HANGER
0750	5025096	2	NUT, Hex, Nylon Locking, 3/8-16
0760	5025203X6	2	* PIN, COTTER, 1/8" X 3/4
0770	5045023	2	SPACER, .52 X 1.00 X .44, CZ
0780	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
0790	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange
0800	5023497	1	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ
0810	5025301	1	NUT, Hex, Jam, 1/2-13

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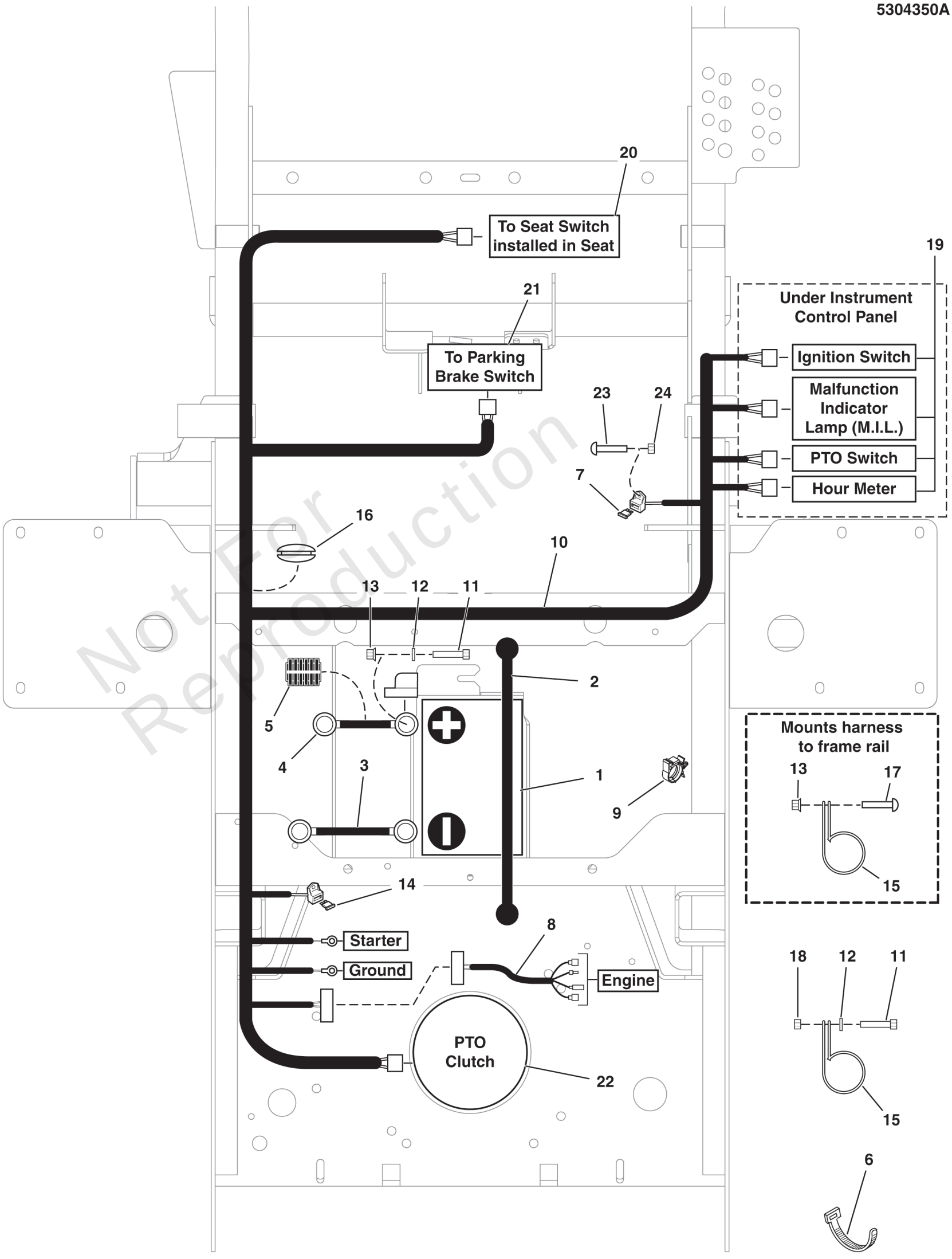
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Electrical Group - Kawasaki Engines

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	BATTERY, WET (BCIU1, 350 CCA)
2	1722009	1	STRAP, BATTERY, 14 LONG, Rubber
3	5021406	1	BATTERY CABLE, NEG, 22, 1/4-5/16
4	5021405	1	BATTERY CABLE, POS, 22, 1/4-5/16
5	5050927X16	1	WIRE LOOM, 3/8 ID X 16 IN
6	5021029	8	TIE, SELF-LOCKING, 12"
7	5102710	1	FUSE, ATO, 25 AMP -(SV)
8	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE
9	5104705	2	ROSEBUD LOOM CLIP
10	5416015	1	WIRE HARNESS, MAIN, LG, ZTR -(S/N: 2017954955 & Below)
10	5105535		HARNESS, Wiring, Large ZTR -(S/N: 2017954956 & Above)
11	5025010X6	3	BOLT, 1/4"-20 X 3/4" GD5 YZ
12	5025154	3	WASHER, 1/4 SAE
13	5025126	4	NUT, Hex, Serrated Flange, 1/4-20
14	5101935	2	FUSE, ATO-15 (15 AMP)(SV) -(SV)
15	5021500	3	CLAMP, VINYL INSULATED, 1.00
16	5102677	1	GROMMET, 1-1/2" ID FOR 1/4" METAL
17	5025299X8	2	SCREW, 1/4-20 X 1, ALLEN BH, CZ
18	5025391	3	NUT, 1/4-20 Hex Nylock Flange
19	-----	1	Refer to: Instrument Control Panel Group
20	-----	1	Refer to: Seat Mount & Floor Group
21	-----	1	Refer to: Parking Brake Group
22	-----	1	Refer to: Engine & PTO Group
23	5025179X4	1	SCREW, #10-24 X 1/2" ROUND PHILLIPS
24	5025271	1	NUT, Hex, Nylon Lock, #10-24

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Electrical Schematic - Charging Circuit - Kawi FX730V, FX801V, FX1000V S/N:

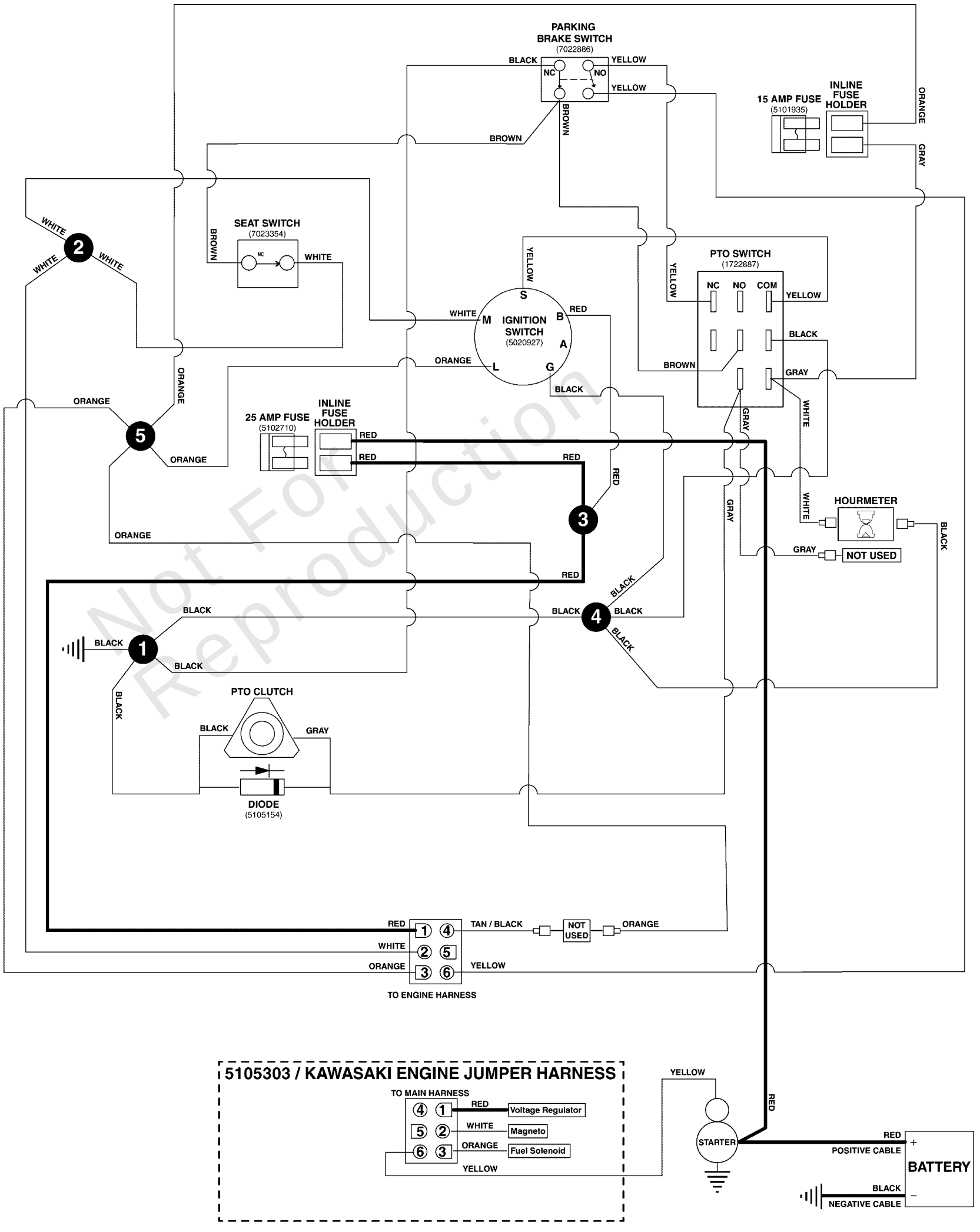
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5416015 (5415564) MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX1000V ENGINES

5416015B

(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.)



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Electrical Schematic - Charging Circuit - Kawi FX730V, FX801V, FX1000V S/N:

REF NO	PART NO	QTY	DESCRIPTION
5416015	5416015	1	WIRE HARNESS, MAIN, LG, ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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Electrical Schematic - Charging Circuit - Kawi FX730V, FX801V, FX921V, FX1000V S/N:

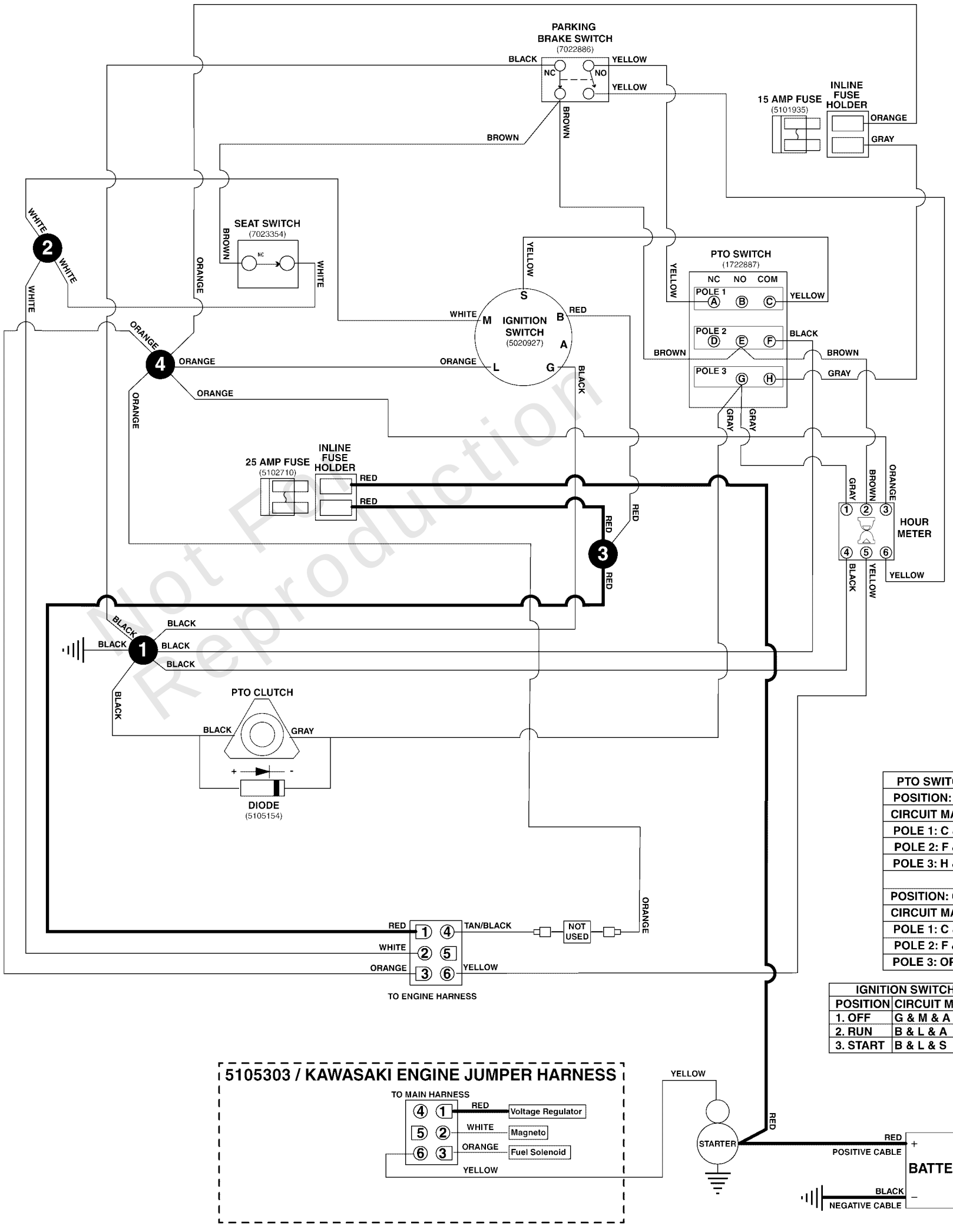
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5105535 MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX921V, FX1000V ENGINES

5105535F

(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.)



PTO SWITCH
POSITION: ON
CIRCUIT MAKE
POLE 1: C & B
POLE 2: F & E
POLE 3: H & G
POSITION: OFF
CIRCUIT MAKE
POLE 1: C & A
POLE 2: F & D
POLE 3: OPEN

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M & A
2. RUN	B & L & A
3. START	B & L & S

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Electrical Schematic - Charging Circuit - Kawi FX730V, FX801V, FX921V, FX1000V S/N:

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535	1	HARNESS, Wiring, Large ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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Electrical Schematic - Cranking Circuit - Kawi FX730V, FX801V, FX1000V S/N:

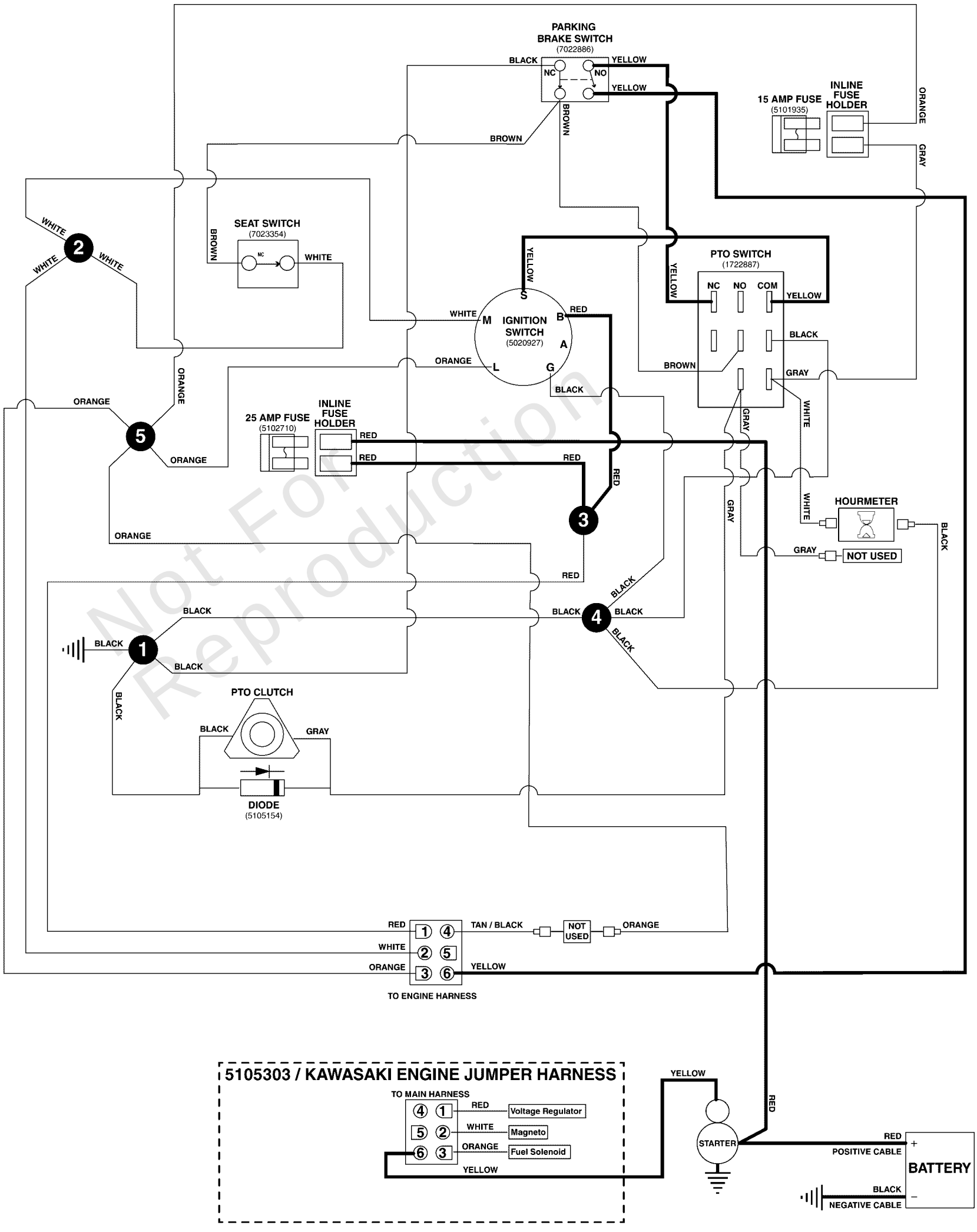
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5416015 (5415564) MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX1000V ENGINES

5416015B

(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.)



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Electrical Schematic - Cranking Circuit - Kawi FX730V, FX801V, FX1000V S/N:

REF NO	PART NO	QTY	DESCRIPTION
5416015	5416015	1	WIRE HARNESS, MAIN, LG, ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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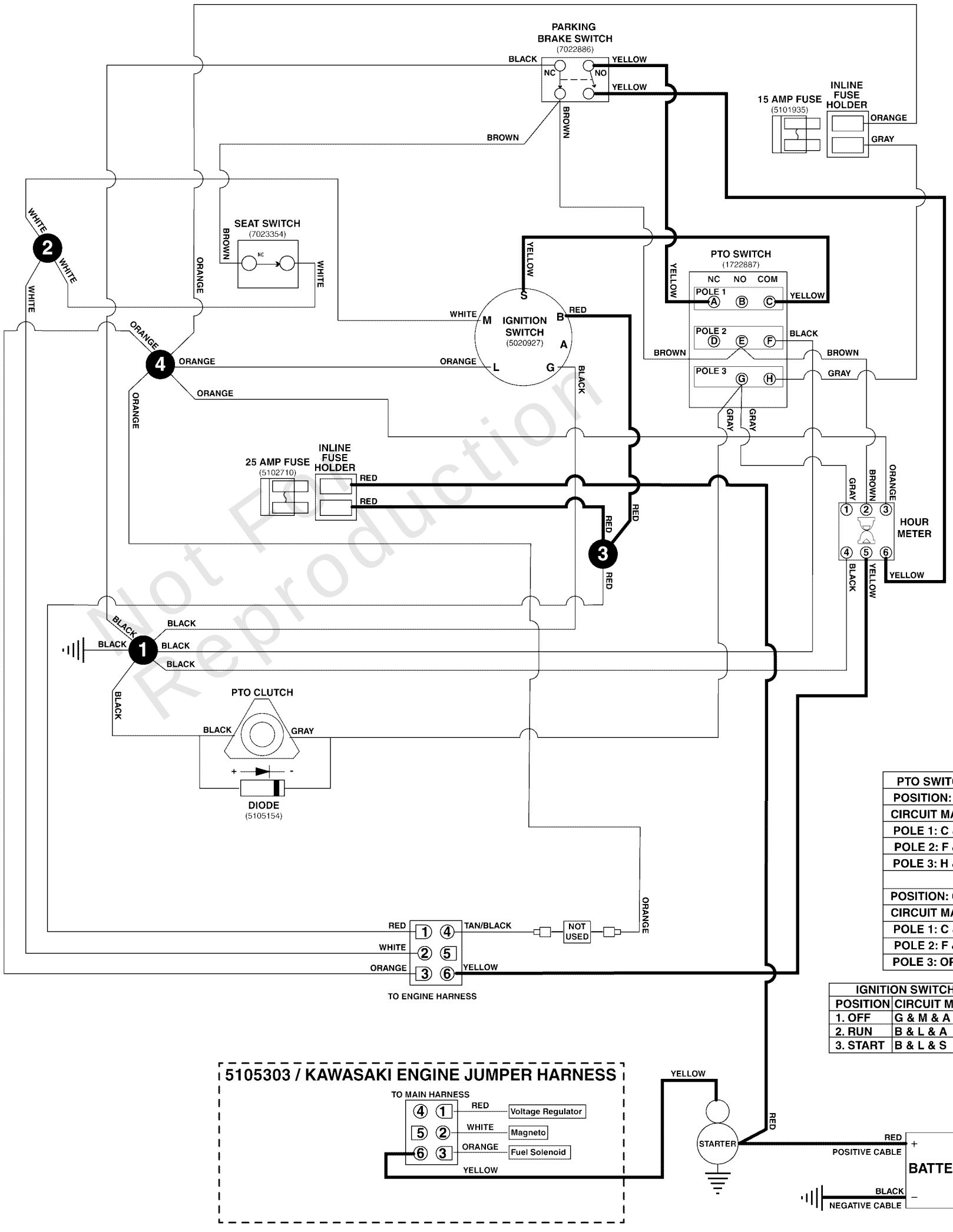
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5105535 MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX921V, FX1000V ENGINES

5105535F

(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.)



PTO SWITCH
POSITION: ON
CIRCUIT MAKE
POLE 1: C & B
POLE 2: F & E
POLE 3: H & G
POSITION: OFF
CIRCUIT MAKE
POLE 1: C & A
POLE 2: F & D
POLE 3: OPEN

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M & A
2. RUN	B & L & A
3. START	B & L & S

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Electrical Schematic - Cranking Circuit - Kawi FX730V, FX801V, FX921V, FX1000V S/N:

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535	1	HARNESS, Wiring, Large ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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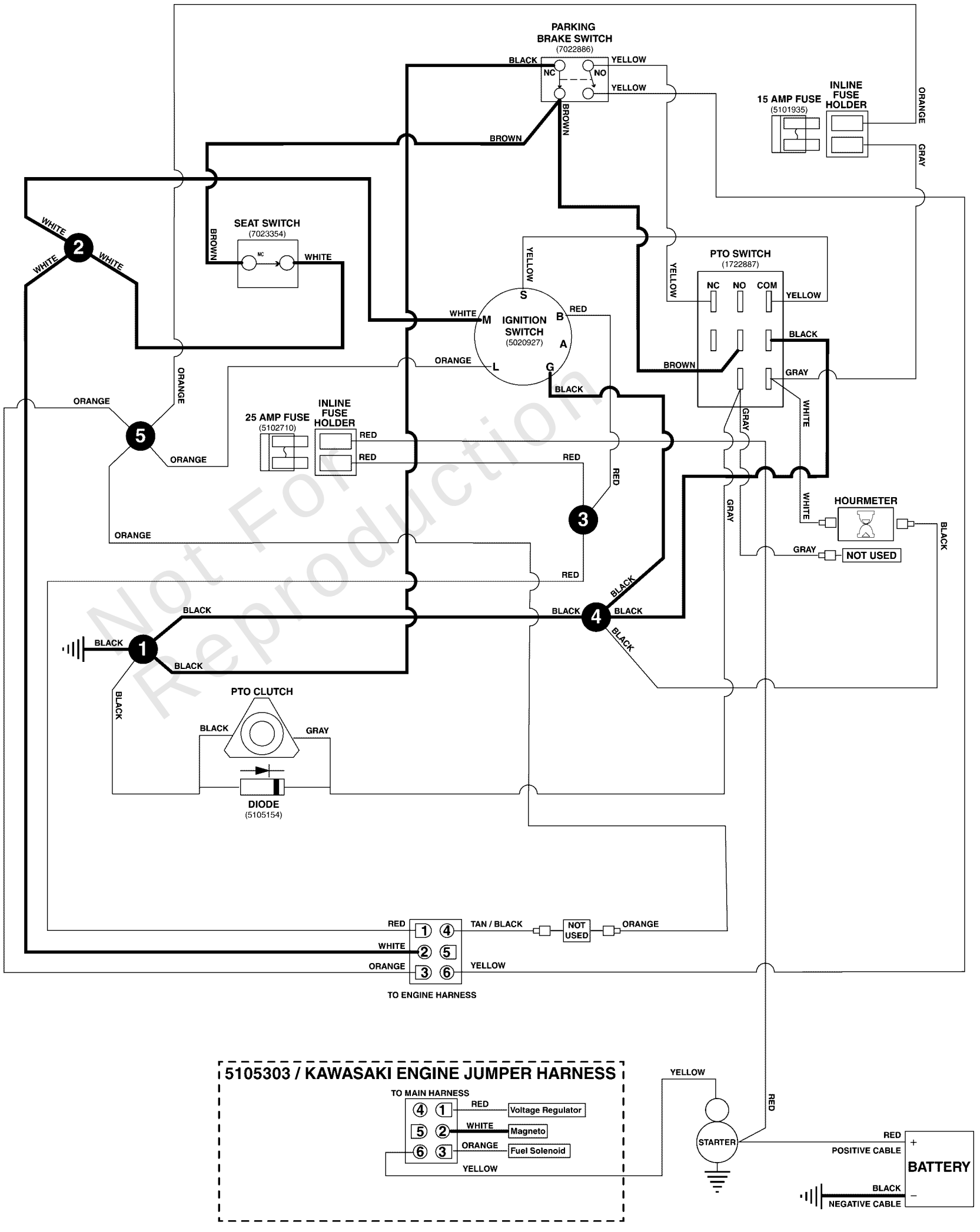
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5416015 (5415564) MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX1000V ENGINES

5416015B

(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.)



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Electrical Schematic - Ign. Ground Circuit/Op Pres. - Kawi FX730V, FX801V, FX1000V S/

REF NO	PART NO	QTY	DESCRIPTION
5416015	5416015	1	WIRE HARNESS, MAIN, LG, ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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Electrical Schematic - Ign. Ground Circuit/Op Pres. - Kawi FX730V, FX801V, FX921V,

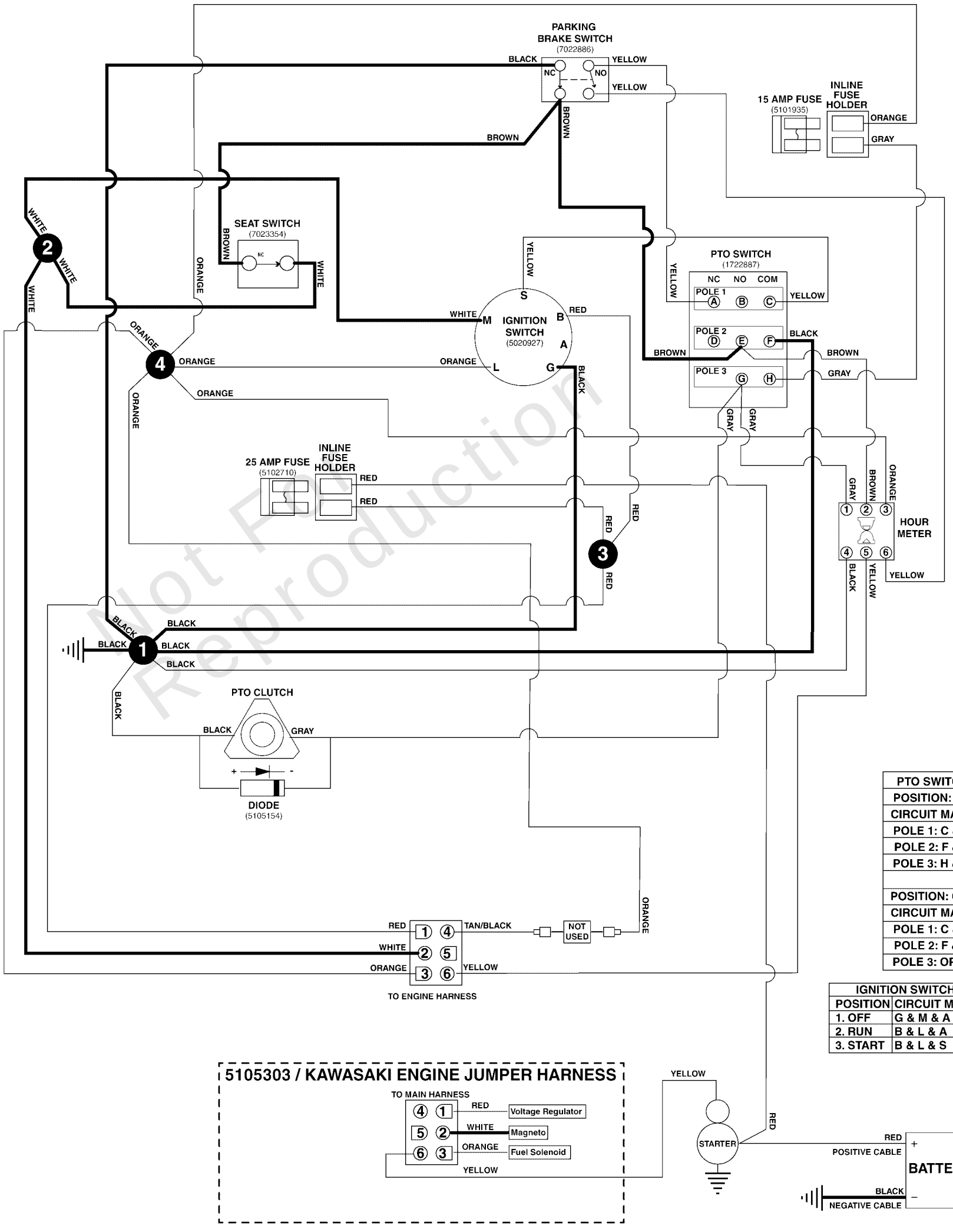
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5105535 MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX921V, FX1000V ENGINES

5105535F

(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.)



PTO SWITCH
POSITION: ON
CIRCUIT MAKE
POLE 1: C & B
POLE 2: F & E
POLE 3: H & G
POSITION: OFF
CIRCUIT MAKE
POLE 1: C & A
POLE 2: F & D
POLE 3: OPEN

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M & A
2. RUN	B & L & A
3. START	B & L & S

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Electrical Schematic - Ign. Ground Circuit/Op Pres. - Kawi FX730V, FX801V, FX921V,

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535	1	HARNESS, Wiring, Large ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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Electrical Schematic - PTO Clutch Circuit - Kawi FX730V, FX801V, FX1000V S/N:

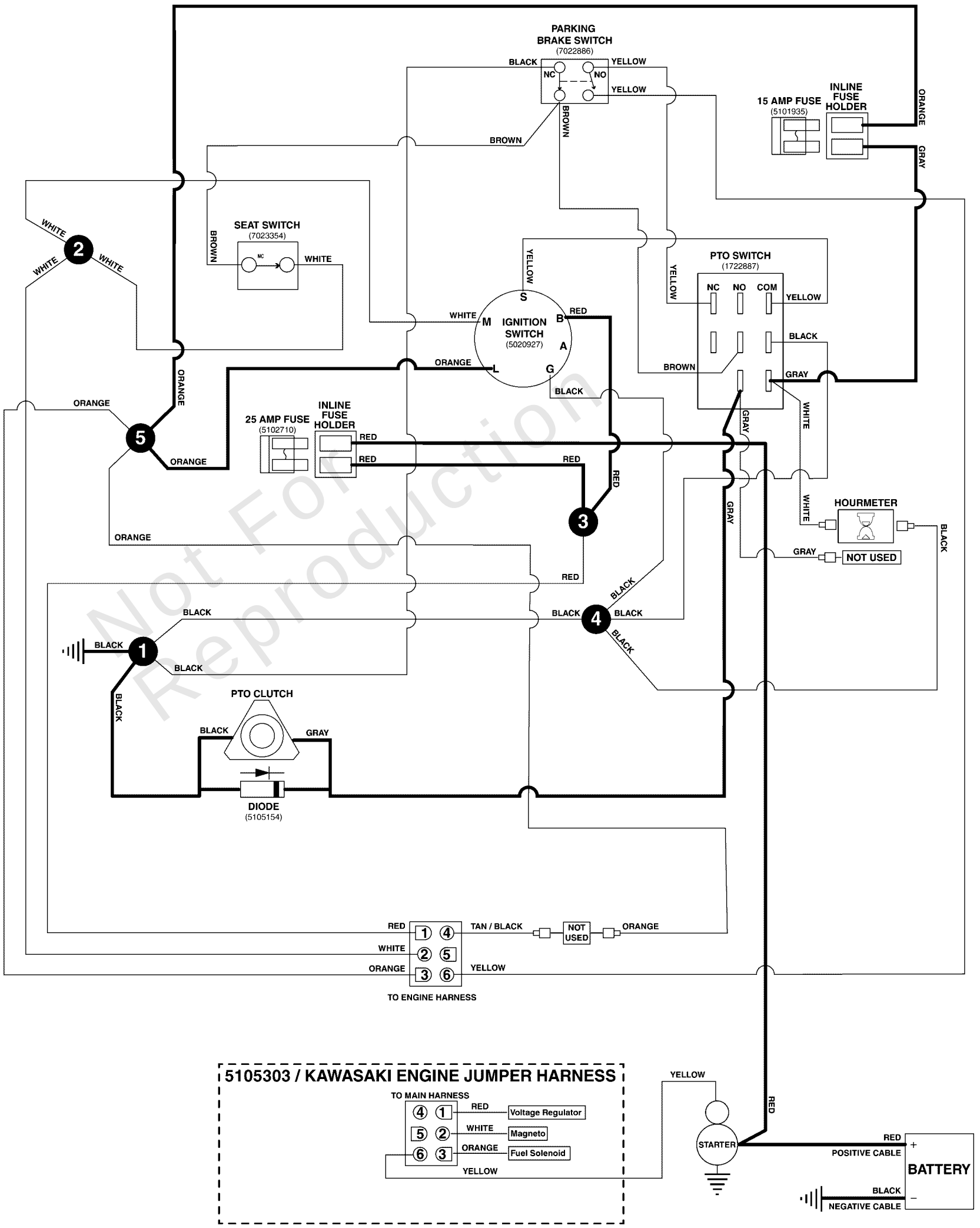
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5416015 (5415564) MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX1000V ENGINES

5416015B

(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.)



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Electrical Schematic - PTO Clutch Circuit - Kawi FX730V, FX801V, FX1000V S/N:

REF NO	PART NO	QTY	DESCRIPTION
5416015	5416015	1	WIRE HARNESS, MAIN, LG, ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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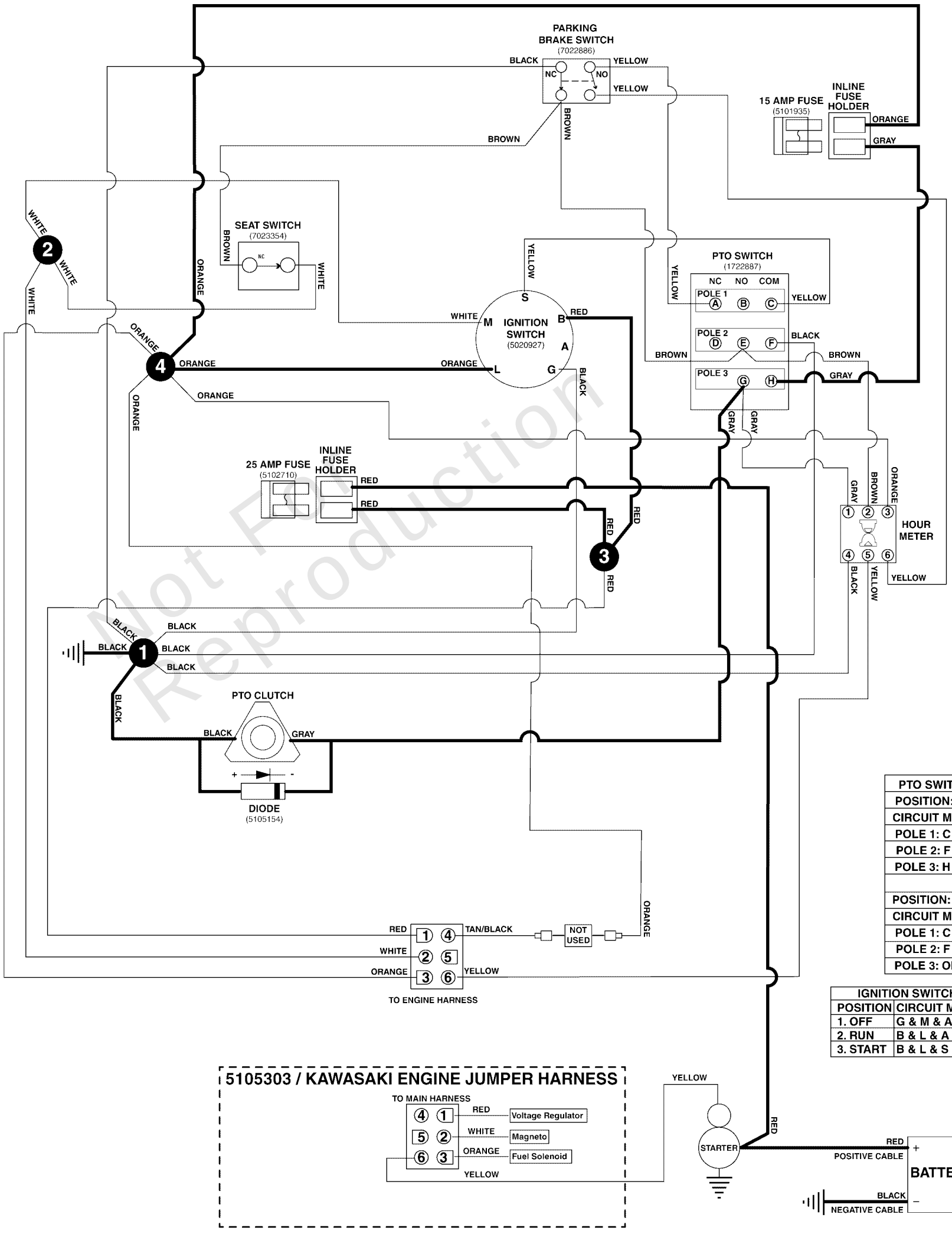
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5105535 MAIN WIRE HARNESS - KAWASAKI FX730V, FX801V, FX921V, FX1000V ENGINES

5105535F

(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.)



PTO SWITCH
POSITION: ON
CIRCUIT MAKE
POLE 1: C & B
POLE 2: F & E
POLE 3: H & G
POSITION: OFF
CIRCUIT MAKE
POLE 1: C & A
POLE 2: F & D
POLE 3: OPEN

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M & A
2. RUN	B & L & A
3. START	B & L & S

Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - Kawi FX730V, FX801V, FX921V, FX1000V S/

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535	1	HARNESS, Wiring, Large ZTR
5105303	5105303	1	WIRE HARNESS, JUMPER, KAWI - LARGE HARNE

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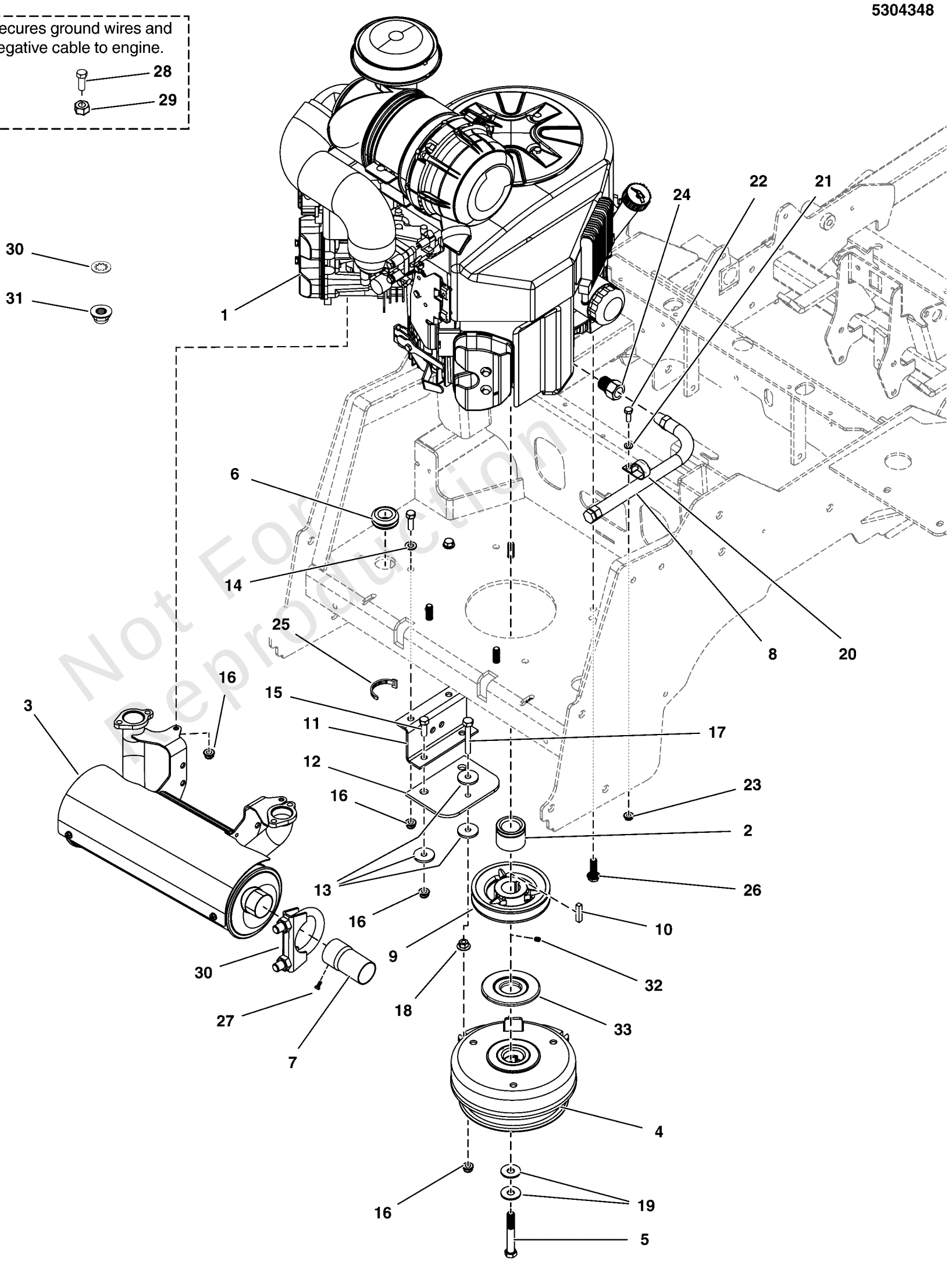
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5304348

Secures ground wires and negative cable to engine.



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REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	ENGINE, KAWASAKI, FX1000V
2	5100926	1	SPACER, 1.13 X 1.75 X 1.35, CZ
3	5105064	1	MUFFLER 35-37HP KAWASAKI 5 CAN -(Use 5025355 - Qty: 4 to mount muffler to engine.)
4	-----	1	CLUTCH, If replacing, use 5108850 and 5108851 -(S/N: 4001550166 and below)
4	5108850	1	CLUTCH, 250 FT-LBS, WATER GUARD -(S/N: 4001550167 and above)
5	5103300	1	BOLT, CRANKSHAFT, 7/16-20 X 3-1/4, GD 8
6	5103944	1	GROMMET, 7/8"ID, 1/4" THICK STK
7	5104348	1	EXTENSION, TAILPIPE, 3" - BLACK
8	1726498	1	HOSE-OIL DRAIN .375ID 16.5L
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	5410367A	1	ANCHOR, CLUTCH, IS600-IS700 - BLK
12	5043636	1	CLUTCH ANCHOR PAD
13	5044617	4	WASHER, .34 X 1.25 X 10 GA
14	5025155	6	WASHER, 5/16" SAE
15	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
16	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
17	5025055X18	1	BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ
18	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
19	5025585	2	BELLEVILLE WASHER, 1.1875 X .442 X .098
20	5021500	1	CLAMP, VINYL INSULATED, 1.00
21	5025154	1	WASHER, 1/4 SAE
22	5025010X6	1	BOLT, 1/4"-20 X 3/4" GD5 YZ
23	5025126	1	NUT, Hex, Serrated Flange, 1/4-20
24	5022234	1	ADAPTER, Oil Drain
25	5101492	1	TIE, SELF-LOCKING, 24"
26	5025532	4	BOLT, HEX FLG, SER, GD5 3/8-16 X 1-1/4" PACH CZ
27	5025470	2	SCREW, SELF-TAP, #8-32 X 3/8. WASH HEX, CZ
28	5025249	1	BOLT, M8-1.25 X 20 MM GD 8.8
29	5025536	1	NUT, HEX, M8-1.25, CZ, GD 8.8
30	5025188	1	WASHER, 5/16" Internal Tooth Lock
31	5025355	4	NUT, M8-1.25 Hex Serrated Flange
32	5025531		SET SCREW, 5/16-18 X 3/8, KNURL, W/PATCH
33	5108851	1	WATER GUARD, WARNER C 250 FT-LBS CLUTCH -(S/N: 4001550167 and above)

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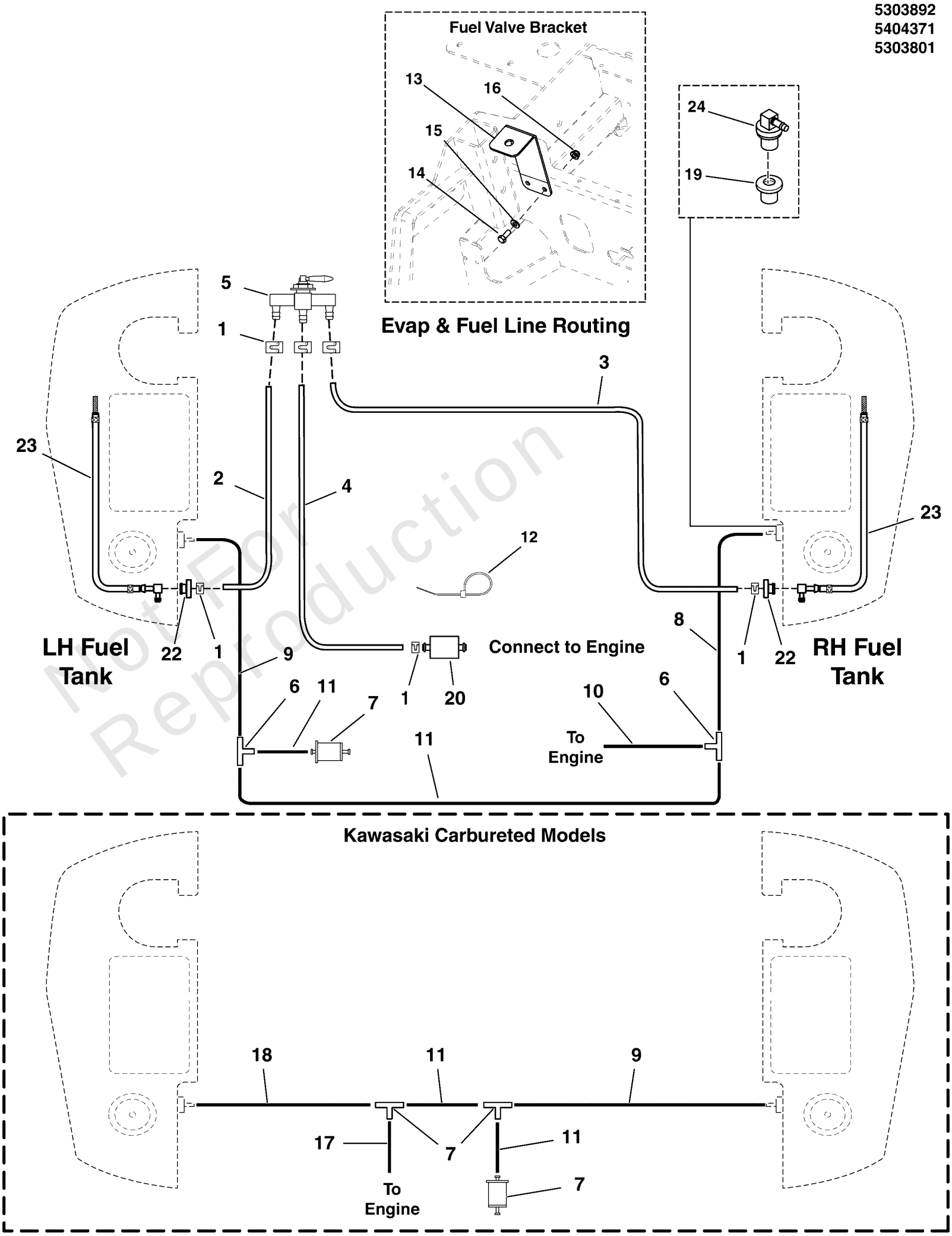
Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739972 &

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739972 &

REF NO	PART NO	QTY	DESCRIPTION
1	93807	6	CLAMP, Hose
2	5050831X14P5	1	HOSE, 1/4" FUEL, 14.50"
3	5050831X28P5	1	HOSE, 1/4" FUEL, 28.50"
4	5050831X12P5	1	HOSE, 1/4" FUEL, 12.50"
5	5023358	1	VALVE, FUEL STRAIGHT, OUTLET
6	5103062	2	FITTING, 3/16" TEE, BARB TYPE, HDPE
7	80025019	1	FILTER, FUEL
8	7700552X18	1	HOSE, VAPOR, 5MM ID, 18.00 LG -(Briggs & Stratton Models)
9	7700552X28P5	1	HOSE, VAPOR, 5MM ID, 28.50 LG
10	7700552X12	1	HOSE, VAPOR, 5MM ID, 12.00 LG -(Briggs & Stratton Models)
11	7700552X3	2	HOSE, VAPOR, 5MM ID, 3.00 LG
12	5021029	2	TIE, SELF-LOCKING, 12"
13	5412704A	1	BRACKET, FUEL VALVE, IS2100 - BLK
14	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
15	5025155	2	WASHER, 5/16" SAE
16	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
17	7700552X33	1	HOSE, VAPOR, 5MM ID, 33.00 LG -(Kawasaki Models)
18	7700552X14	1	HOSE, VAPOR, 5MM ID, 14.00 LG -(Kawasaki Models)
19	209043	2	GROMMET (SV)
20	5021178X3	2	FUEL FILTER (SV)
22	1726400	2	BUSHING-FUEL TANK RED RUBBER (SV)
23	5101144	2	PICKUP TUBE ASSEMBLY, FUEL LINE (SV)
24	770046	2	REMOTE VENT ASSEMBLY

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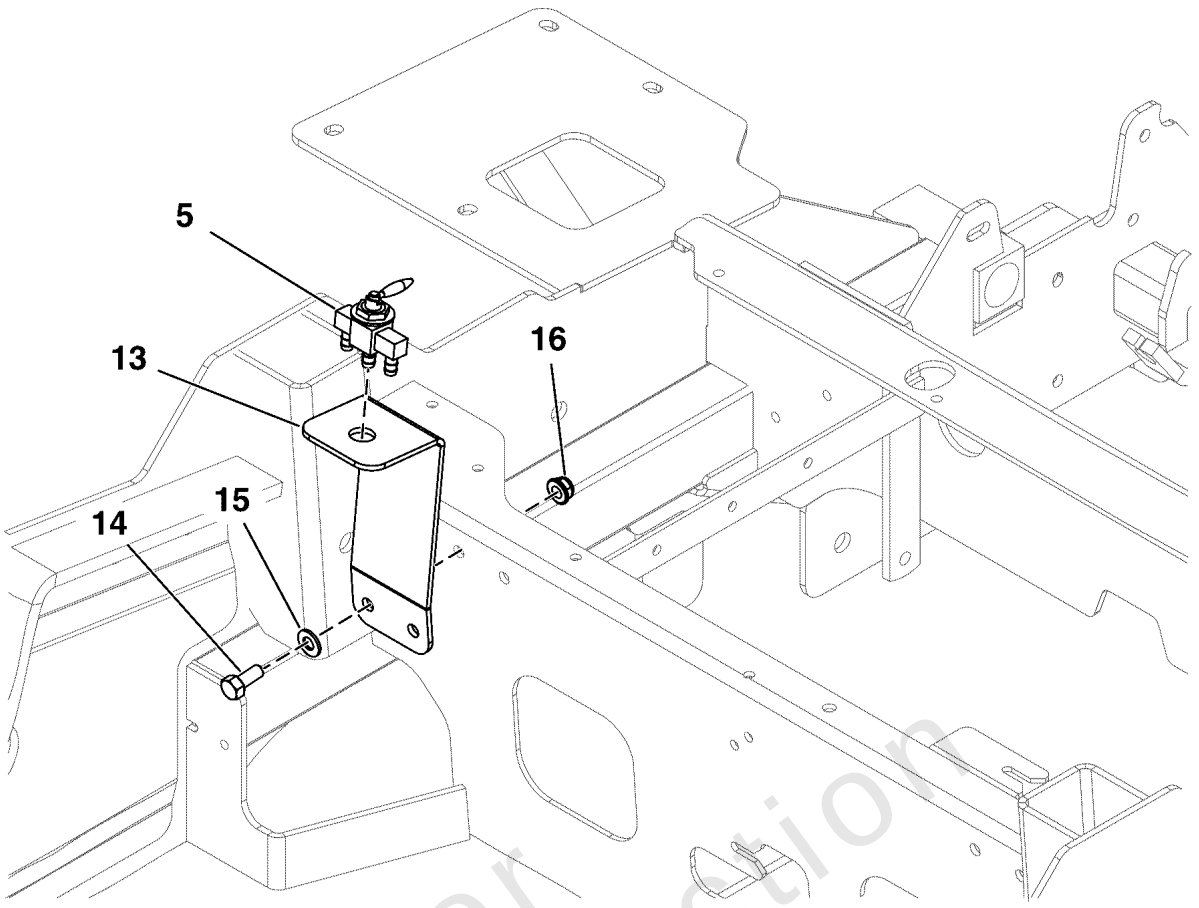
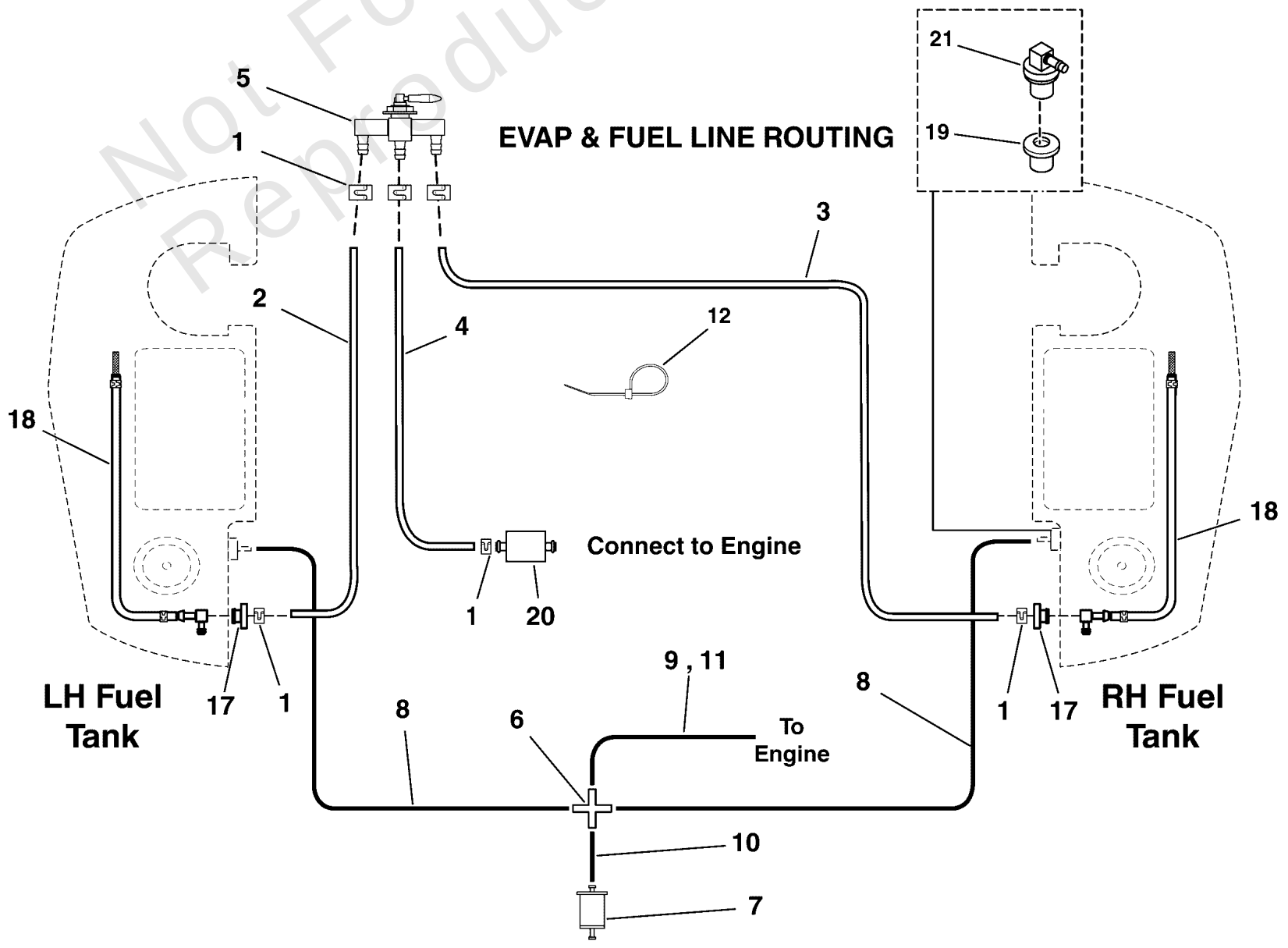
Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739973 &

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303892A
5304371A
5303801A





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Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739973 &

REF NO	PART NO	QTY	DESCRIPTION
1	93807	6	CLAMP, HOSE, EXTERNAL, 1/2 - RED
2	5050831X14P5	1	HOSE, 1/4" FUEL, 14.50"
3	5050831X28P5	1	HOSE, 1/4" FUEL, 28.50"
4	5050831X12P5	1	HOSE, 1/4" FUEL, 12.50"
5	5023358	1	VALVE, FUEL SHUT-OFF, 11772
6	5105394	1	FITTING, BARBED CROSS, 3/16" BLK NYLON
7	80025019	1	FILTER, FUEL
8	7700552X25P5	2	HOSE, VAPOR, 5MM ID, 25.50 LG
9	7700552X19	1	HOSE, VAPOR, 5MM ID, 19.00 LG -(Briggs & Stratton Models)
10	7700552X3	1	HOSE, VAPOR, 5MM ID, 3.00 LG
11	7700552X41	1	HOSE, VAPOR, 5MM ID, 41.00 LG -(Kawasaki Models)
12	5021029	7	TIE, SELF-LOCKING, 12"
13	5412704A	1	BRACKET, FUEL VALVE, IS2100 - BLK
14	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
15	5025155	2	WASHER, 5/16" SAE
16	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
17	1726400	2	BUSHING-FUEL TANK RED RUBBER (SV)
18	5101144	2	HOSE ASSEMBLY (SV)
19	209043	2	GROMMET (SV)
20	5021178X3	2	FUEL FILTER (SV)
21	770046	2	REMOTE VENT ASSEMBLY

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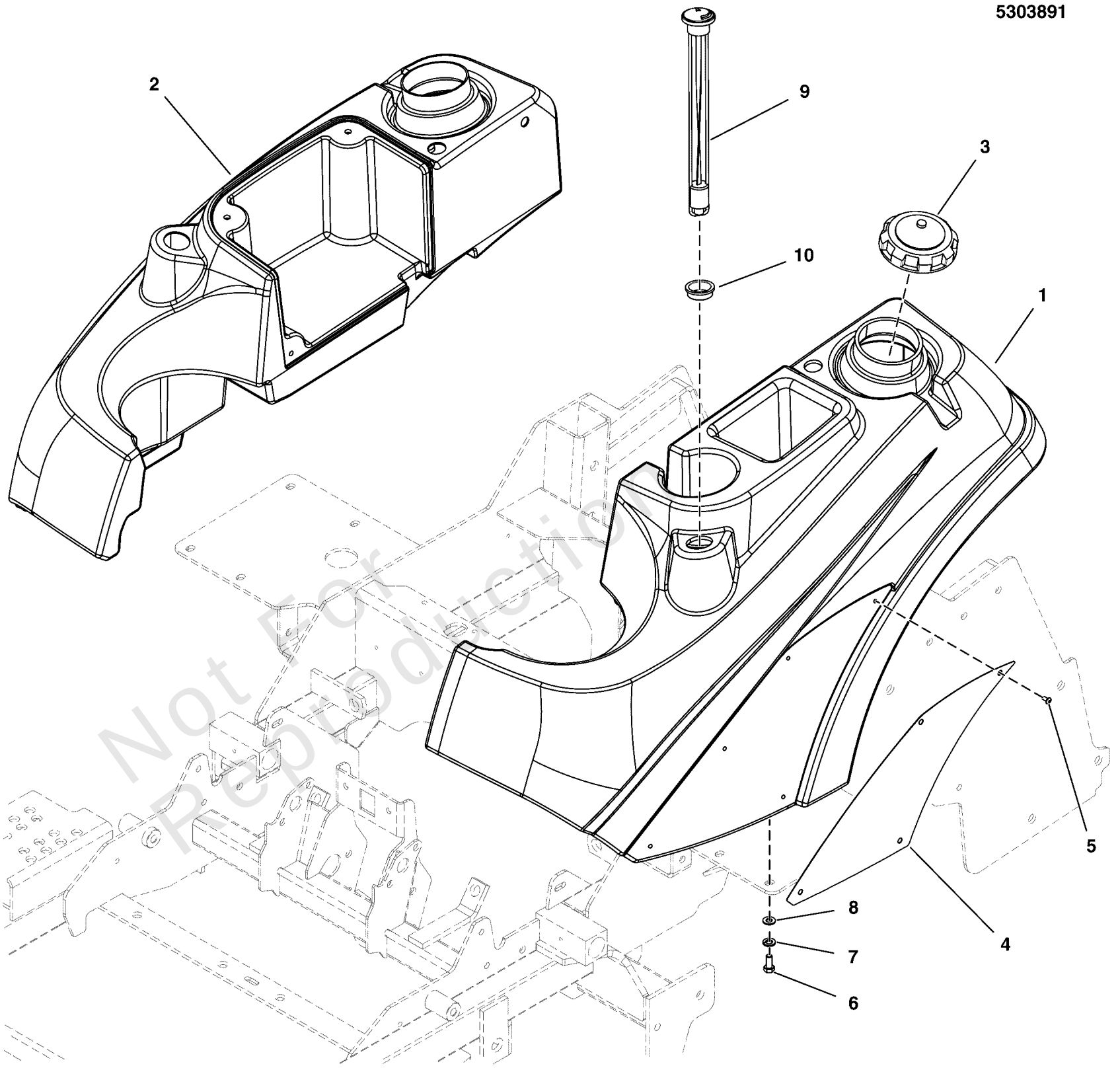
Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Fuel Tank & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	5103178	1	TANK, FUEL, 5.75 GAL,MED, Z-LH, LOW PERM
2	5103177	1	TANK, FUEL, 5.25 GAL,MED, Z-RH, LOW PERM
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)

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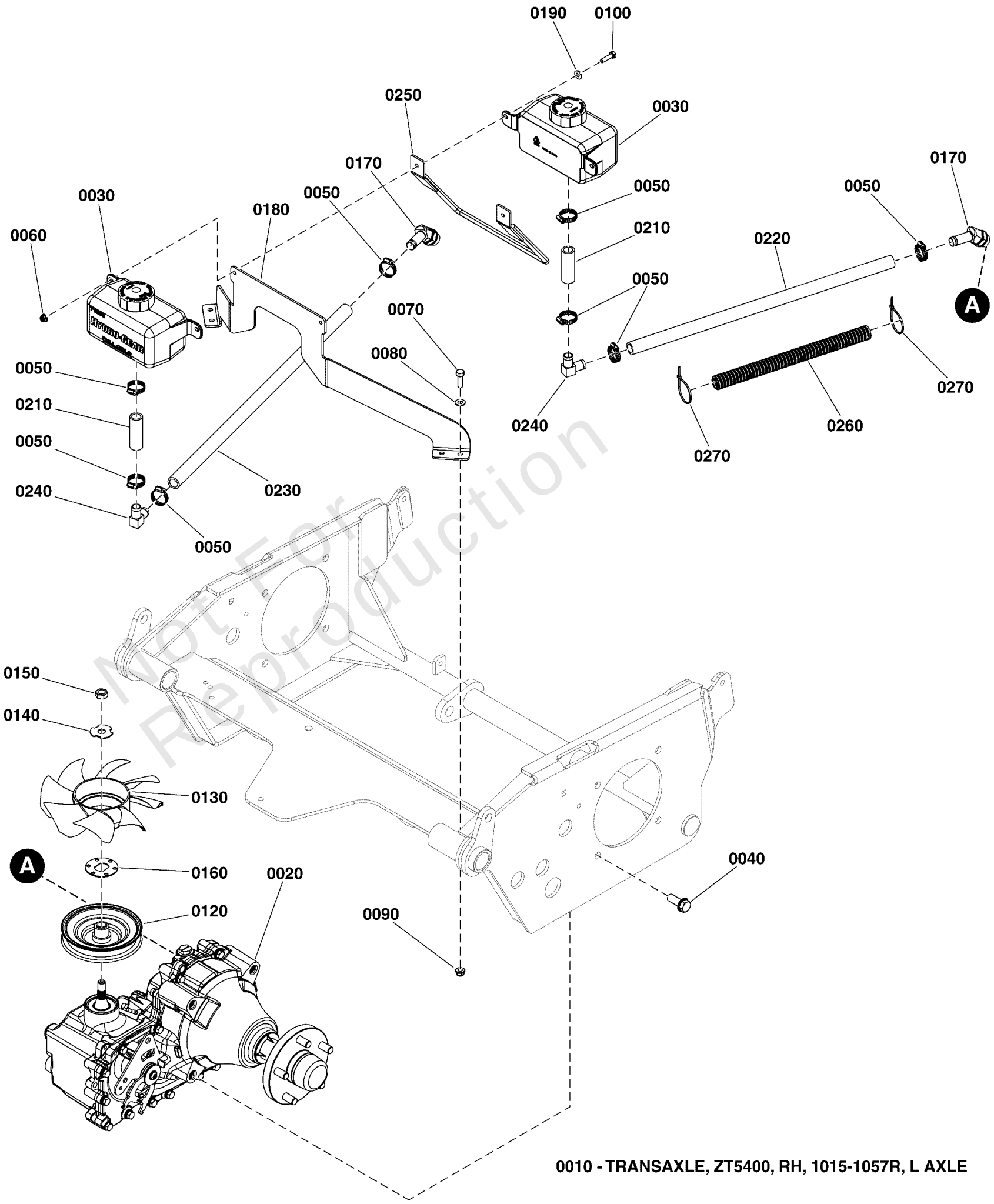
Hydraulic Group S/N: 4001063571 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



0010 - TRANSAXLE, ZT5400, RH, 1015-1057R, L AXLE

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Hydraulic Group S/N: 4001063571 and Below

REF NO	PART NO	QTY	DESCRIPTION
0010	5103963	1	TRANSAXLE, ZT5400, RH, LONG AXLE (1015-1057R) -(Not illustrated)
0020	5103964	1	TRANSAXLE, ZT5400, LH, LONG AXLE (1015-1057L)
0030	5101998	2	HYDRO TANK, HYDRO-GEAR 71938, 1 LITER -(Includes item #0030-10)
0030-10	5100778X1	2	RESERVOIR CAP (SV) -(Not illustrated)
0040	5025535	8	BOLT,HEX FLG,SER,GD8 1/2-13X1-1/4W/PATCH -(Torque transmission mounting bolts to 95-115 ft-lbs (129-156 Nm))
0050	5021164	8	CLAMP, #10 HOSE, STAINLESS
0060	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0070	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
0080	5025155	4	WASHER, 5/16" SAE
0090	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0100	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
0120	5102873	2	PULLEY, ZT5400 (53179)
0130	5102874	2	FAN, ZT5400
0140	5102914	2	WASHER, ZT5400, SLOTTED
0150	5102916	2	NUT, ZT5400
0160	5102917	2	SPACER, ANTI-ROTATE, ZT5400
0170	5103923	2	FITTING, 45, 5/8 TUBE TO 7/8-14 O-RING
0180	5416042A	1	PLATE, RESERVOIR MOUNT - BLK
0190	5025154	2	WASHER, 1/4 SAE
0210	5050933X2P5	2	HOSE, 5/8, PUSH-LOCK, 2.50
0220	5050933X20P5	1	HOSE, 5/8, PUSH-LOCK, 20.50
0230	5050933X23P5	1	HOSE, 5/8" PUSH-LOCK, 23.50"
0240	5023119	2	FITTING, ELBOW, 5/8" (SV)
0250	5419495AA	1	WELD, HOSE SUPPORT - BLK -(S/N: 4000464004 & Above)
0260	5050862X12	2	WIRE LOOM, 3/4 ID X 12 IN -(S/N: 4000464004 & Above)
0270	5021030	4	TIE, SELF-LOCKING, 6" -(S/N: 4000464004 & Above)

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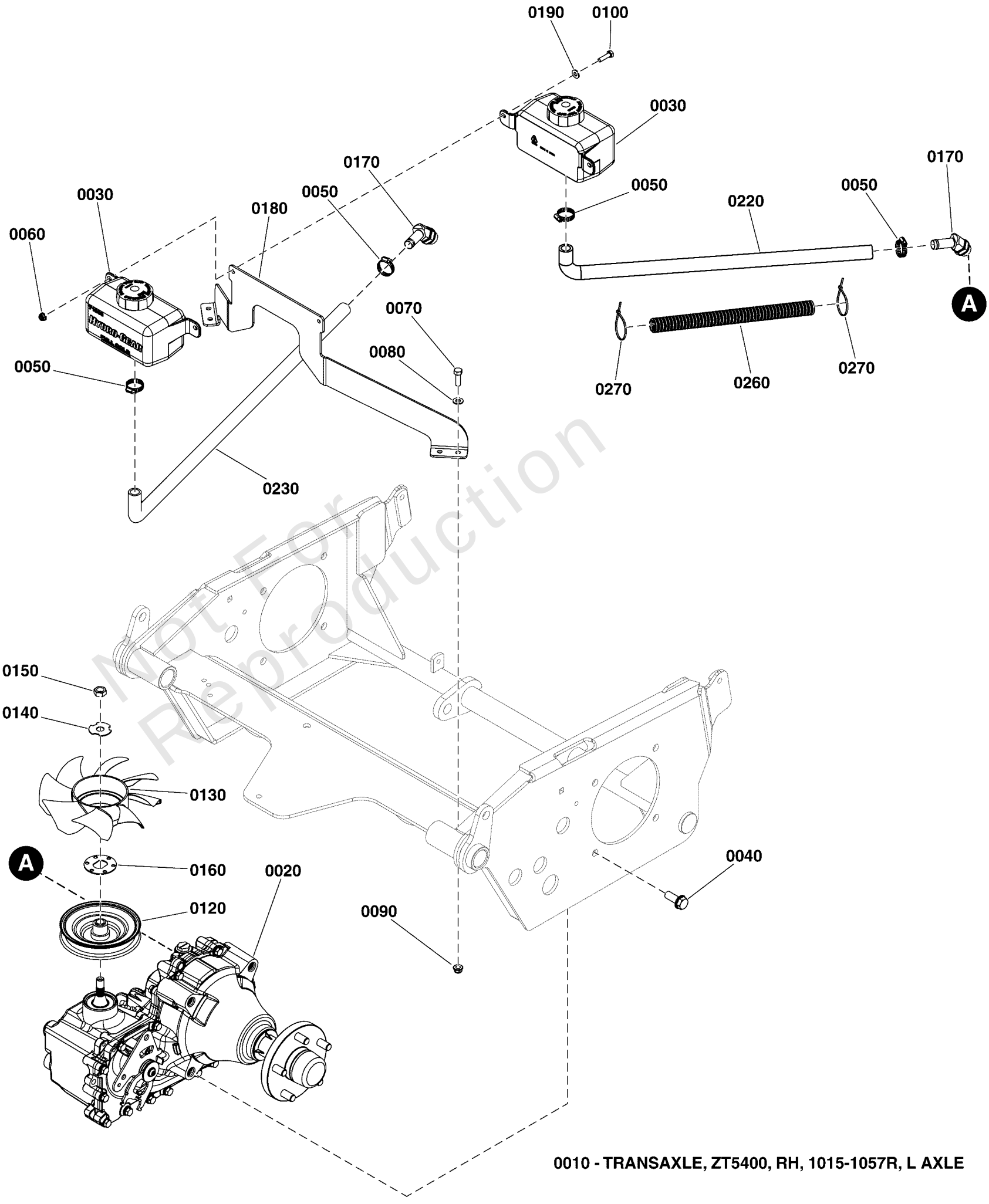
Hydraulic Group S/N: 4001063572 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



0010 - TRANSAXLE, ZT5400, RH, 1015-1057R, L AXLE

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Hydraulic Group S/N: 4001063572 and Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5103963	1	TRANSAXLE, ZT5400, RH, LONG AXLE (1015-1057R) -(Not illustrated)
0020	5103964	1	TRANSAXLE, ZT5400, LH, LONG AXLE (1015-1057L)
0030	5101998	2	HYDRO TANK, HYDRO-GEAR 71938, 1 LITER -(Includes item #0030-10)
0030-10	5100778X1	2	RESERVOIR CAP (SV) -(Not illustrated)
0040	5025535	8	BOLT,HEX FLG,SER,GD8 1/2-13X1-1/4W/PATCH -(Torque transmission mounting bolts to 95-115 ft-lbs (129-156 Nm))
0050	5021164	4	CLAMP, #10 HOSE, STAINLESS
0060	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0070	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
0080	5025155	4	WASHER, 5/16" SAE
0090	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0100	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
0120	5102873	2	PULLEY, ZT5400 (53179)
0130	5102874	2	FAN, ZT5400
0140	5102914	2	WASHER, ZT5400, SLOTTED
0150	5102916	2	NUT, ZT5400
0160	5102917	2	SPACER, ANTI-ROTATE, ZT5400
0170	5103923	2	FITTING, 45, 5/8 TUBE TO 7/8-14 O-RING
0180	5416042A	1	PLATE, RESERVOIR MOUNT - BLK
0190	5025154	2	WASHER, 1/4 SAE
0220	5108444	1	HOSE, FORMED, TRANS OVERFLOW, 20.50"
0230	5108445	1	HOSE, FORMED, TRANS OVERFLOW, 23.50"
0260	5050862X12	2	WIRE LOOM, 3/4 ID X 12 IN
0270	5021030	4	TIE, SELF-LOCKING, 6"

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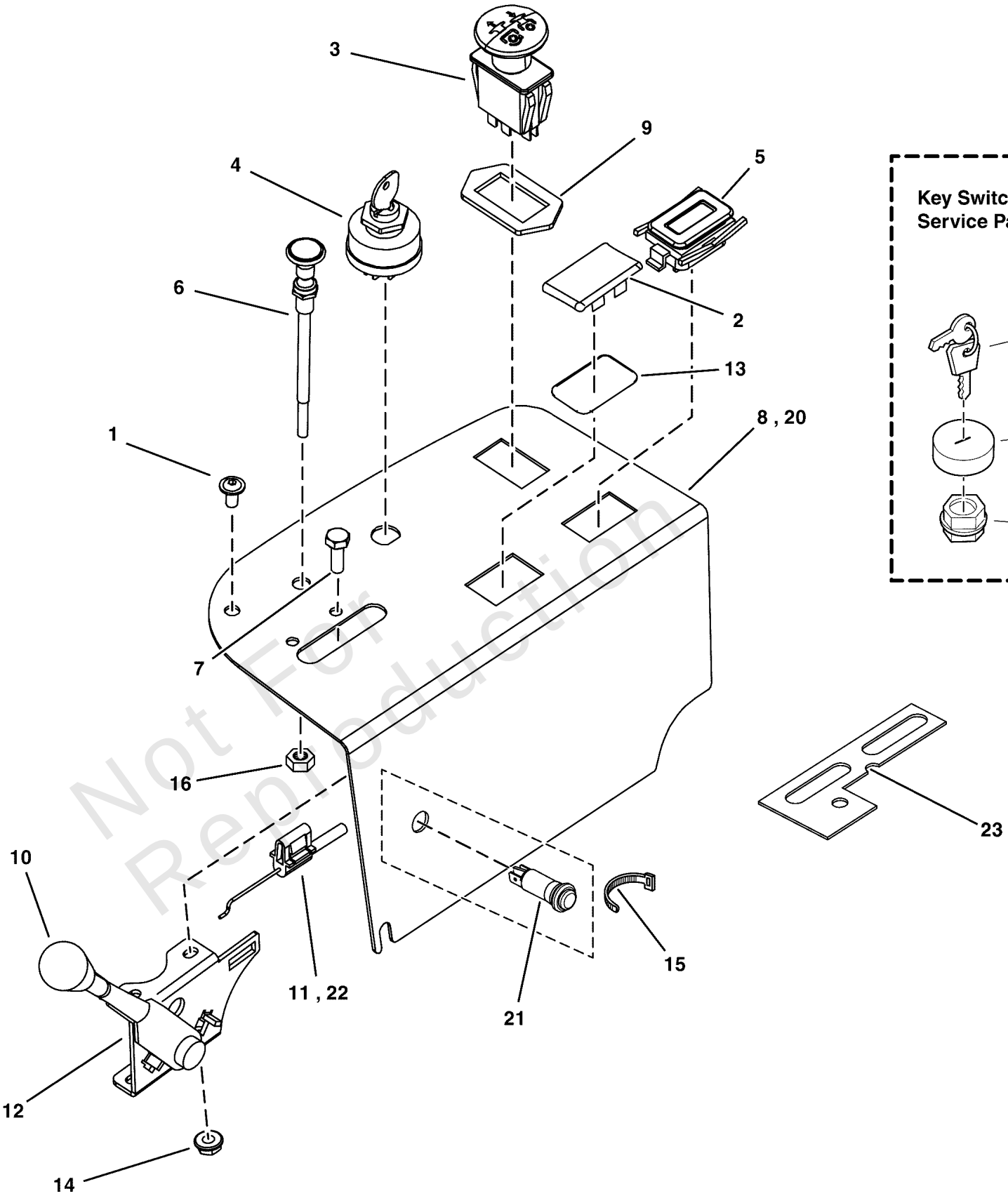
Instrument Control Panel

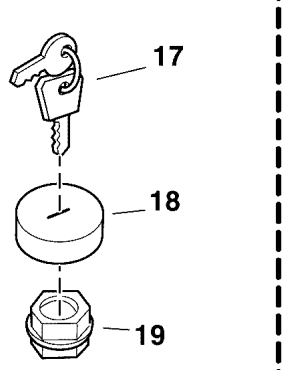
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5304349
4304162
4304048
5304962



Key Switch Service Parts



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Instrument Control Panel

REF NO	PART NO	QTY	DESCRIPTION
1	5025299X4	3	SCREW, ALLEN HEAD 1/4-20X.500 ZINC PHOS
2	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
3	1722887	1	SWITCH-PTO PUSH
4	5020927	1	SWITCH, IGNITION, 6 POST
5	-----		HOUR METER, ASSEMBLE -(Refer to Note: *)
6	5047779	1	CABLE, CHOKE CONTROL, 51" (Z) -(Carbureted Models Only)
7	5025179X6	2	SCREW, #10-24 X 3/4" ROUND PHILLIPS
8	5411933A	1	PANEL, Control - Black -(Carbureted Models Only)
9	5022222	1	RING, SWITCH RETAINER
10	5046360X1	1	THROTTLE CONTROL HANDLE/KNOB
11	5101076	1	CABLE, THROTTLE 47” -(Briggs & Stratton Models)
12	5101537	1	LEVER, THROTTLE CONTROL
13	5022269	1	O-RING, 7/8" ID X 1/16" W
14	5025271	2	NUT, Hex, Nylon Lock, #10-24
15	5021029	1	TIE, SELF-LOCKING, 12"
16	5025035	1	NUT, 3/8-24 HEX (SV)
17	5022789	1	KEY, IGNITION MOLDED SET
18	5022790	1	COVER, PLASTIC, SNAP ON
19	5022791	1	PLASTIC NUT
20	5412044A	1	PANEL, CONTROL, IS2100/3200 - BLK -(Briggs & Stratton EFI Models Only)
21	5103809	1	LIGHT, INDICATOR, PANEL, LED, RED -(Briggs & Stratton EFI Models Only)
22	5101072	1	CABLE, THROTTLE, 52” -(Kawasaki Models)
23	-----	1	PLATE, THROTTLE STOP (5412643) -(CE Models Only)

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Footnotes:

(Note: *When replacing this hour meter, please call our service department at 1 (800) 933-6175 ext. 709).

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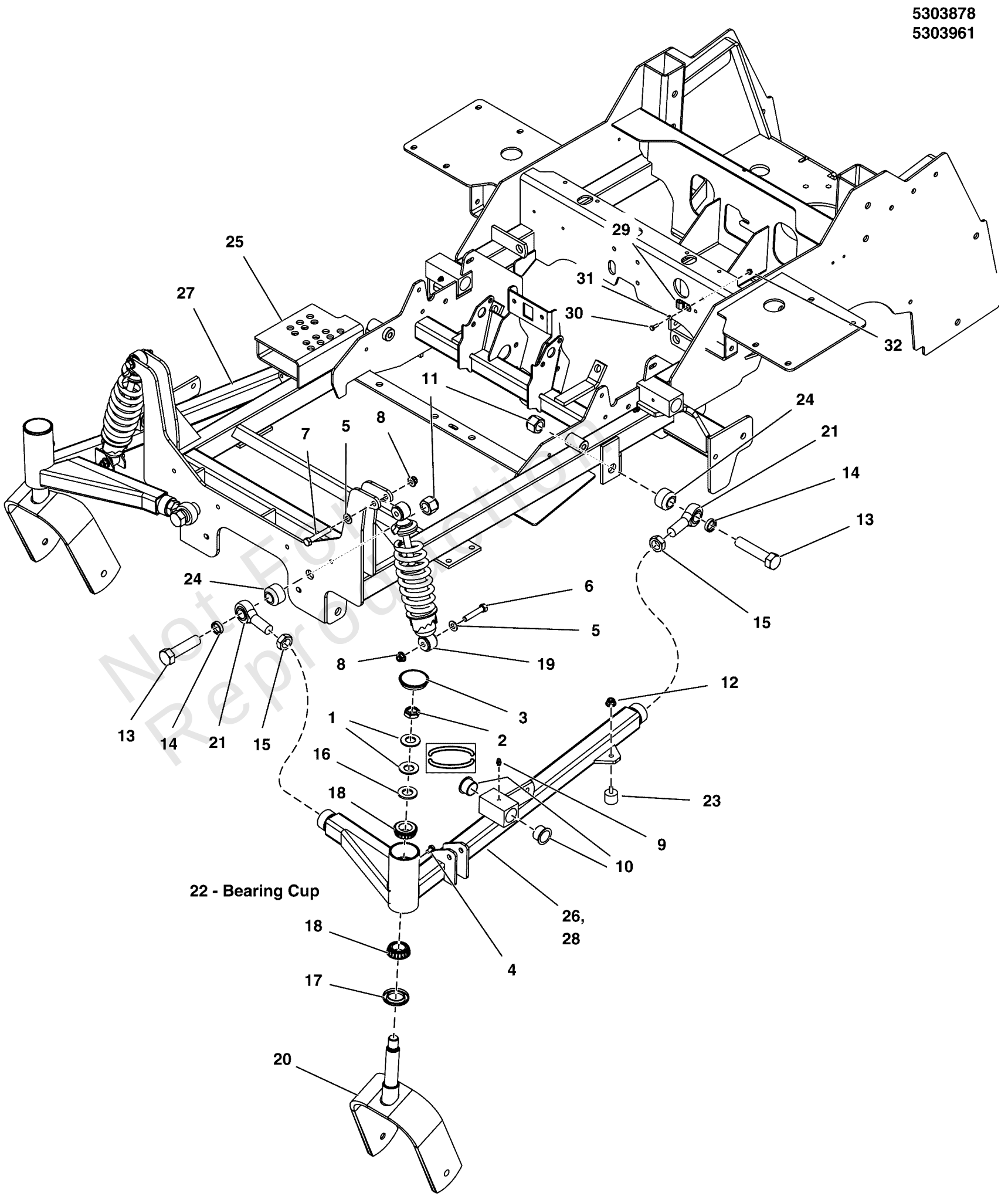
Main Frame & Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Main Frame & Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
2	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
3	5102929	2	CAP, LOW PROFILE, STEEL
4	5025457	2	BOLT, 1/4-28 X 1/2, GD5 CZ
5	5025156	4	WASHER, 3/8 SAE
6	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
7	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 CZ
8	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
9	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
10	5023343	4	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
11	5025284	4	NUT, 3/4-16 HEX NYLON LOCK
12	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
13	5025265X28	4	BOLT, 3/4-16 X 3-1/2 GD8 CZ
14	5047461	4	SPACER, .76 X 1.00 X .25
15	5025093	4	NUT, 3/4-16 HEX JAM
16	5025160	2	WASHER, 3/4" SAE
17	5021072	2	SEAL, GREASE
18	5020884	4	BEARING, TAPERED ROLLER, 1
19	5104052	2	SHOCK / SPRING ASSEMBLY, OE22375
20	5411934B	2	WELD, CASTER YOKE - RED
21	5022039	4	BALL JOINT, 3/4-16, MALE
22	5020883	4	BEARING, CUP (SV)
23	5022673	2	BUMPER, RUBBER 1/4-20
24	5046093	4	SPACER, .75 X 1.50 X 1.00, CZ
25	-----	1	* WELD, MAIN FRAME, IS3200Z - RED -* If frame is damaged, call 1-800-933-6175 ext. 709
26	5413046B	1	WELD, A-ARM, IS3200Z, LH - RED -(61" Models Only)
27	5413047B	1	WELD, A-ARM, IS3200Z, RH - RED
28	5416045B	1	WELD, A-ARM, 72, LH - RED -(72" Models Only)
29	5025430	1	CLAMP, 5/16, DOUBLE, WIRE & TUBE -(To hold spanner wrench)
30	5025010X6	1	BOLT, 1/4-20 X 3/4 GD5 YZ
31	5025154	1	WASHER, 1/4 SAE
32	5025391	1	NUT, 1/4-20 HEX NYLOCK FLANGE

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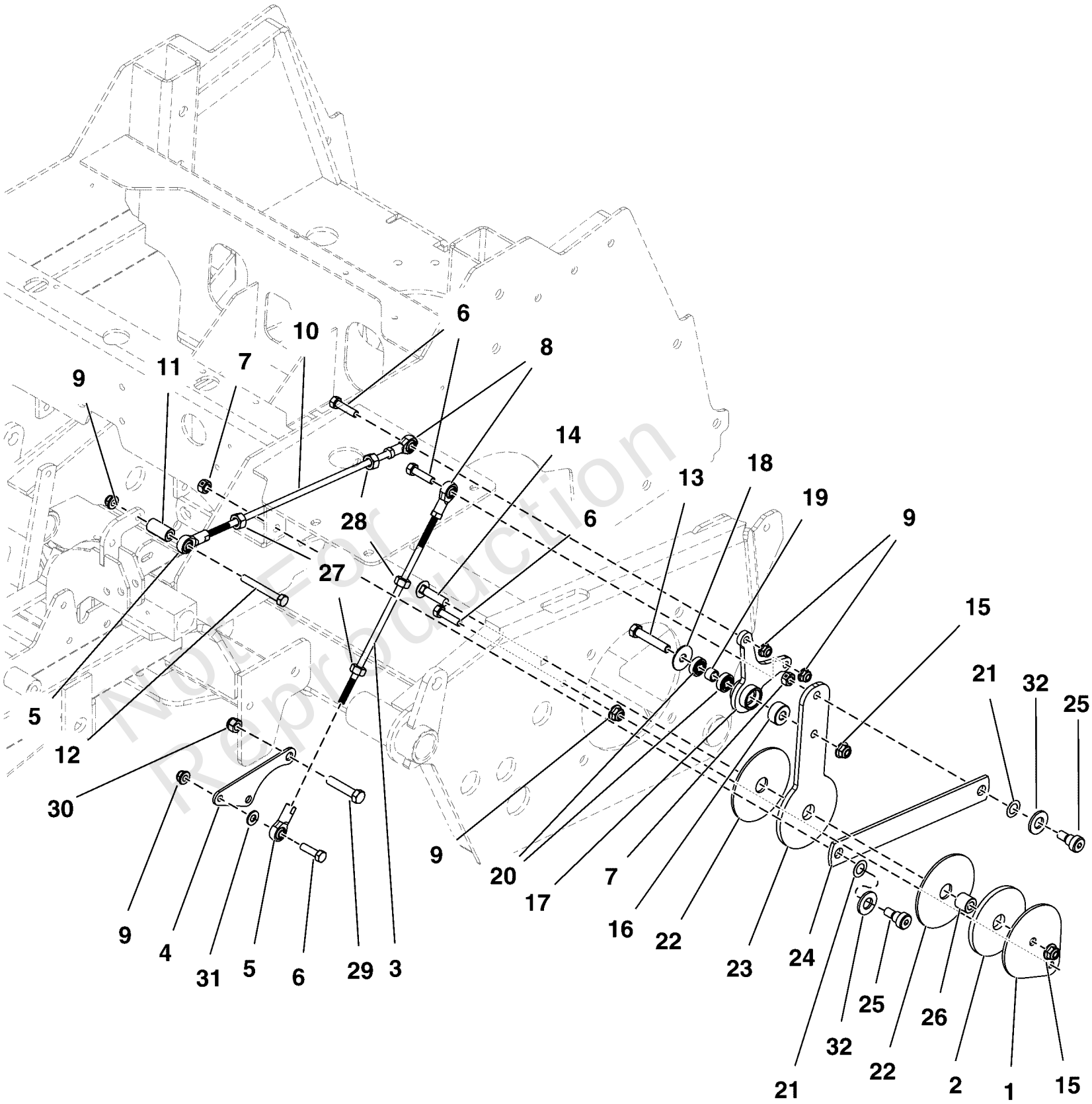
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303882L



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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	5101135	2	ROD, HYDRO LINKAGE
4	5411301A	2	PLATE, CONTROL MOUNT - BLK
5	5104493	4	BALL JOINT 5/16-24 RH FEMALE BRONZE RACE
6	5025055X10	12	BOLT, 5/16-18 x 1-1/4" TFL GD 5
7	5025100	4	NUT, Hex, Side Lock, 3/8-16
8	5104494	4	BALL JOINT 5/16-24 LH FEMALE BRONZE RACE
9	5025392	8	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	5025015X6	2	BOLT, 7/16-14 X 3/4, GD 5 YZ
30	5025044	2	NUT, 7/16-14 HEX TOP LOCK
31	5025155	2	WASHER, 5/16" SAE
32	5025440	4	WASHER, 1/2" GD9 YZ

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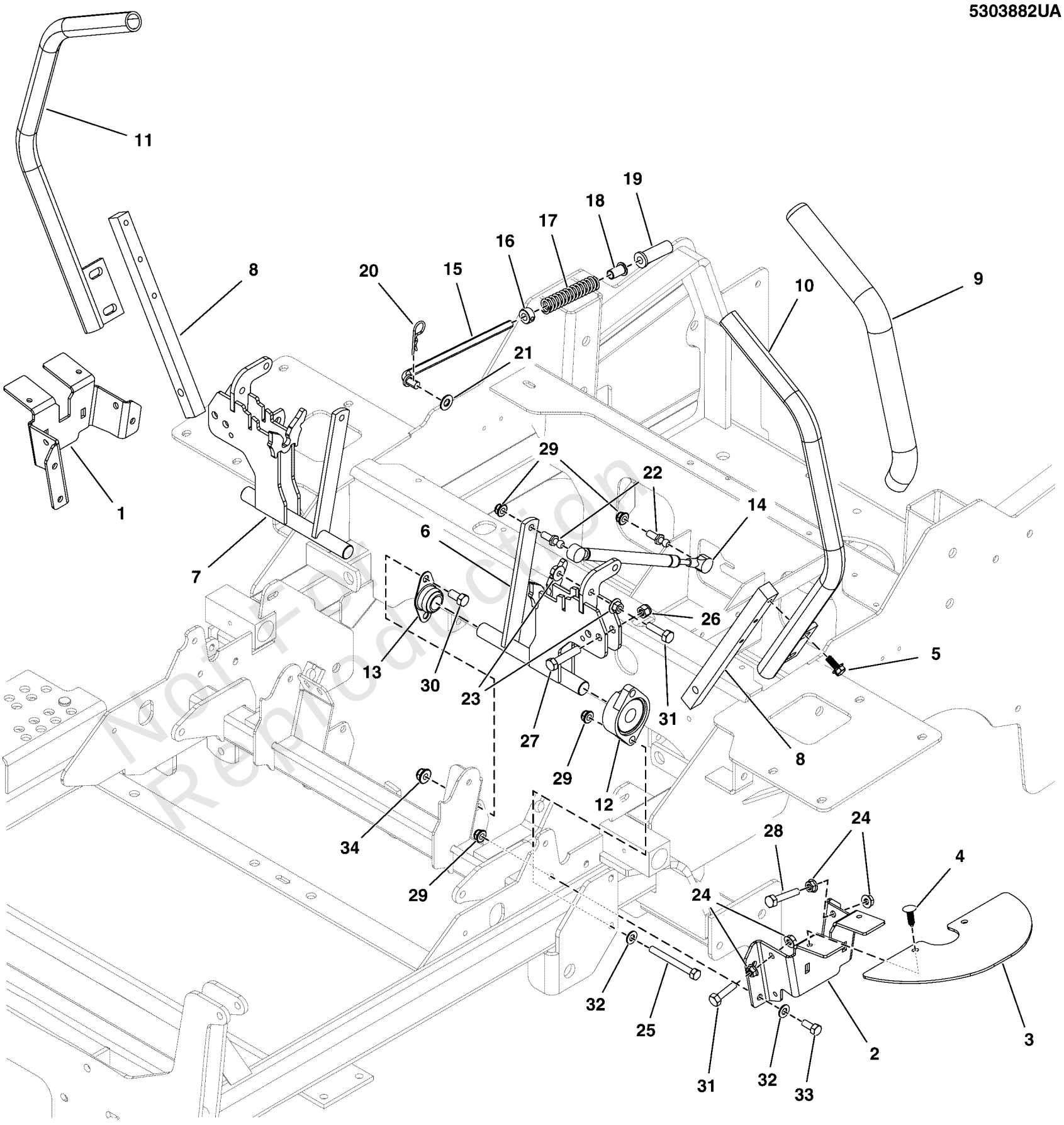
Motion Control Group - Handles & Dampeners

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303882UA



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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	5401248	2	GUARD, RUBBER MOTION CONTROLS
4	5025431	4	PUSH RIVET (TREE TYPE), BLACK
5	80003531	4	SCREW, 5/16-18X0.750, GR5, WHIZ-LOCK, ZC
6	5416663A	1	WELD, CONTROL SHAFT, LOCKOUT, LH - BLK
7	5416664A	1	WELD, CONTROL SHAFT, LOCKOUT, RH - BLK
8	5103106A	2	MOUNT, CONTROL ARM - BLK
9	5104722	2	GRIP, FOAM, 1" ID, 16" LONG
10	5414427A	1	WELD, HANDLE MOTION CNTRL, 16.5, 1.0, LH - BLK
11	5414428A	1	WELD, HANDLE MOTION CNTRL, 16.5, 1.0, RH - BLK
12	5021499	2	BEARING, FLANGE
13	5021098	2	BEARING, BRONZE FLANGE, 3/4"
14	5100940	2	DAMPENER, CONTROL,#(P6709/P3610)
15	5100947	2	ROD, NEUTRAL RETURN, CZ
16	5010546	2	COLLAR, 3/8" Set
17	5022645	2	SPRING, REVERSE RETURN
18	5023260	2	BUSHING, FLANGE 3/8ID X 7/8 LONG
19	5104375	2	FLANGED BUSHING, 3/8IDX.63ODX.8125FL
20	5025210	2	3/32 X 1-5/8 HAIR PIN CLIP
21	5025156	2	WASHER, 3/8 SAE
22	5101307	4	10MM BALL STUD, 5/16-18 X 3/4 THDS
23	5025139	4	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
24	5025127	8	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
25	5025011X24	4	BOLT, 5/16-18 X 3" GD5 YZ
26	5025096	4	NUT, Hex, Nylon Locking, 3/8-16
27	5025013X14	4	BOLT, 3/8-16 X 1-3/4" GD5 CZ
28	5025055X14	2	BOLT, 5/16-18 X 1-3/4 TFL, GD5 YZ
29	5025392	12	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
30	5025013X6	6	BOLT, 3/8-16 X 3/4" GD5 CZ
31	5025055X10	4	BOLT, 5/16-18 x 1-1/4" TFL GD 5
32	5025155	10	WASHER, 5/16" SAE
33	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
34	5025394	4	NUT, 3/8 - 16 HEX NYLOCK FLANGE

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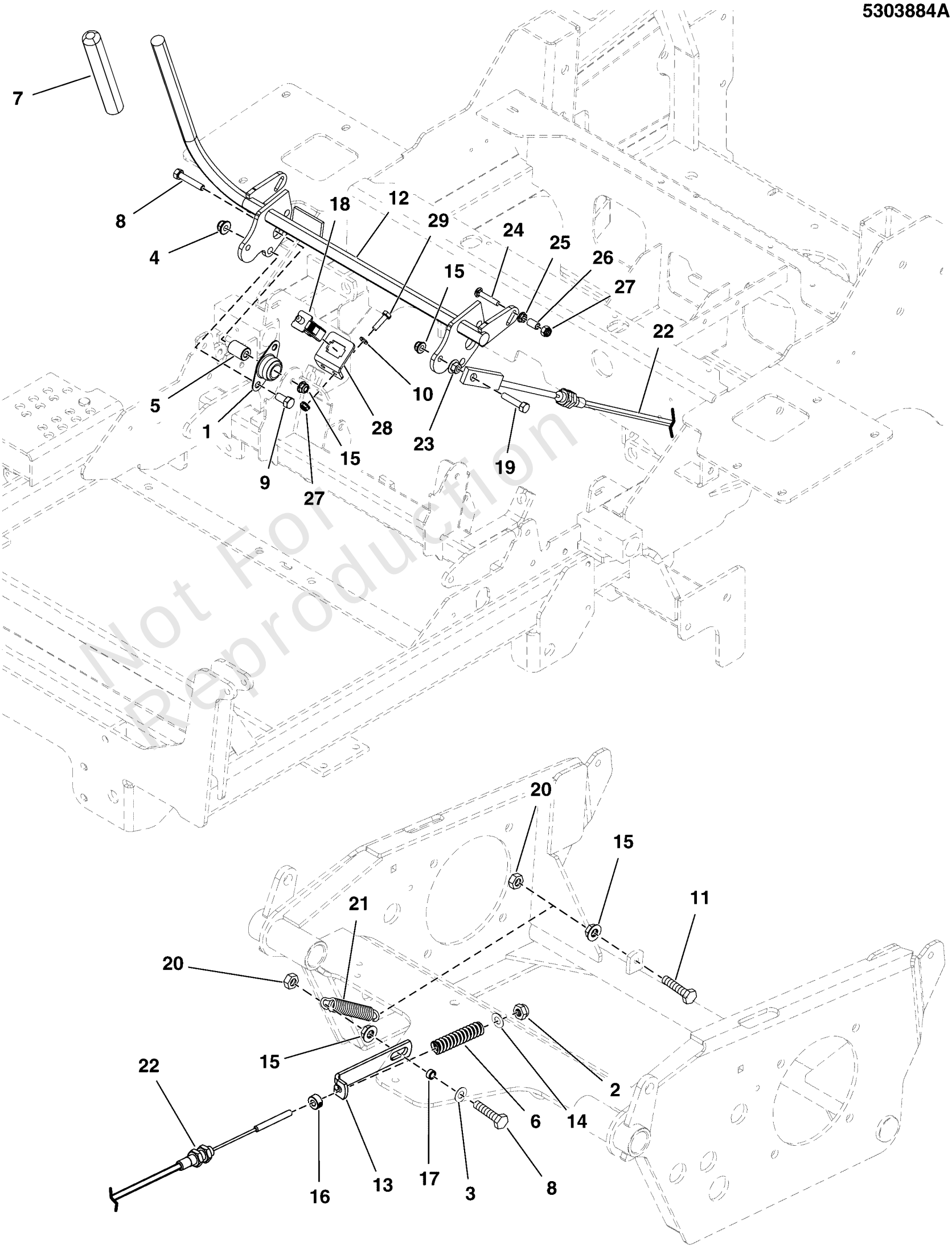
Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303884A



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Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
1	5021098	2	BEARING, 3/4" FLANGED, BRONZE
2	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
3	5025155	2	WASHER, 5/16" SAE
4	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
5	5042134	2	SPACER, .32 X .75 X 1.06, PM
6	5100385	2	SPRING, COMP. 1/2 ID X .140 WIRE X 3.25
7	5101038	1	GRIP, FOAM, 3/4 ID X 6 X .187
8	5025011X14	4	BOLT, 5/16-18 X 1-3/4 GD5 CZ
9	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 CZ
10	5025154	2	WASHER, 1/4 SAE
11	5025055X10	2	BOLT, 5/16-18 x 1-1/4" TFL GD 5
12	5415423A	1	WELD, BRAKE SHAFT, LOCKOUT, 21" - BLK
13	5411363A	2	LINK, BRAKE LOCK - BLK
14	5025337	2	WASHER, 5/16 USS
15	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
16	5020047	2	COLLAR, 5/16 SET
17	5102463	2	SPACER, .33 X .50 X .25, PM, CZ
18	7022886	1	SWITCH, DP NO/NC SNAP-IN
19	5025011X12	2	BOLT, 5/16-18 X 1-1/2 GD5 CZ
20	80003675	4	NUT, 5/16-18, HEX, CNTR LK,ZINC PHOS/OIL
21	5103969	2	SPRING, EXTENSION, .521 X 4.12, BLACK
22	5104235	2	CABLE, PARKING BRAKE, 32"
23	5025139	2	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
24	80003564	2	BOLT, 1/4-20 X 1.500, GR5, SQ, ZINC/CLEA
25	5025126	1	NUT, 1/4-20 HEX SERR. FLANGE
26	5041483	2	SPACER, .25 X .38 X .63, CZ
27	5025095	4	NUT, 1/4-20 HEX NYLON LOCK
28	5415932A	1	TAB, SWITCH PLATE, BOLT-ON - BLK
29	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 CZ

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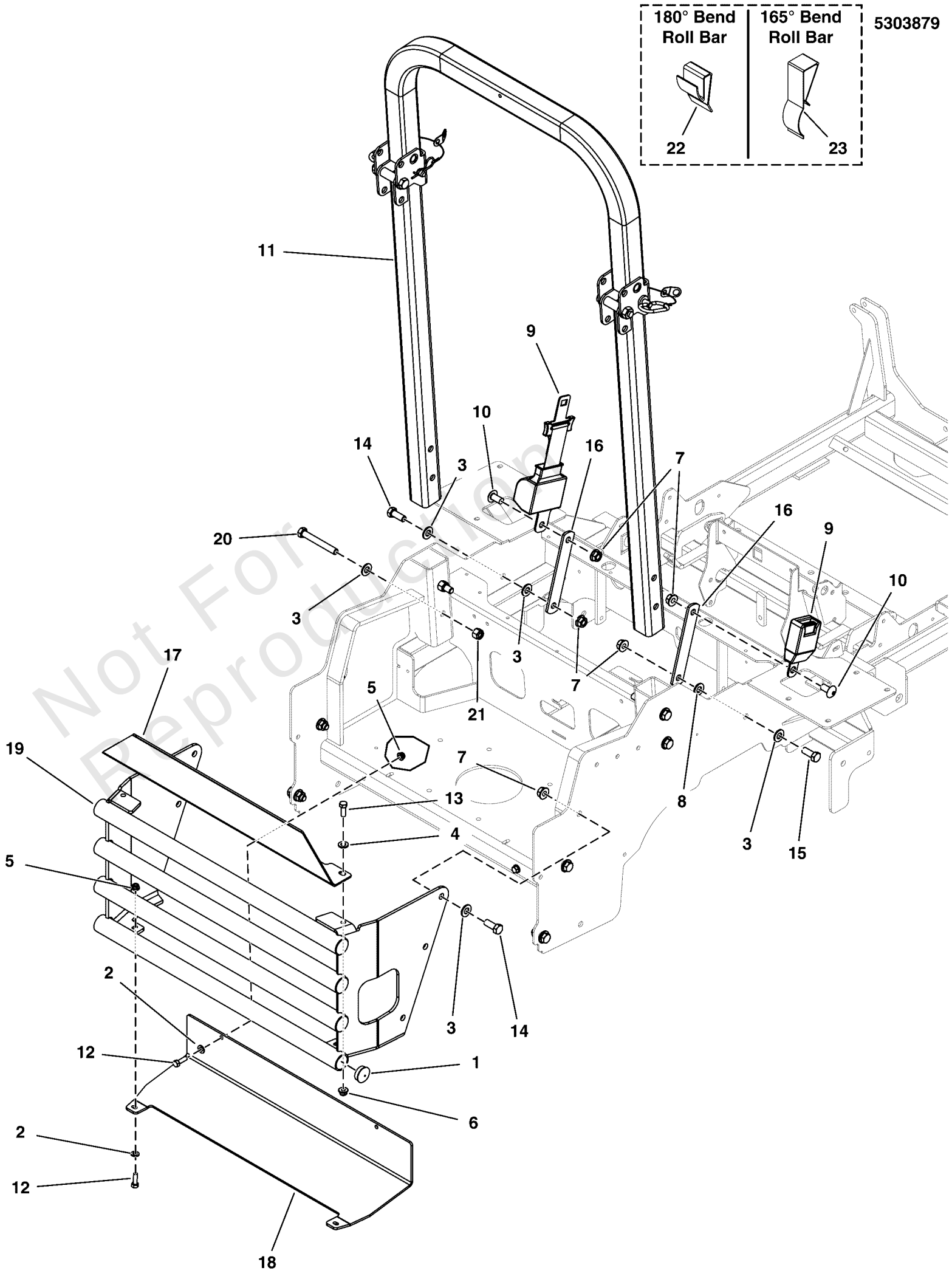
Rear Bumper and ROPS Group S/N: 4000161087 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Rear Bumper and ROPS Group S/N: 4000161087 and Below

REF NO	PART NO	QTY	DESCRIPTION
1	5023484	8	PLUG, PANEL, 1.25 - BLACK
2	5025155	6	WASHER, 5/16" SAE
3	5025158	13	WASHER, 1/2 SAE
4	5025293	2	WASHER, 3/8 GD.9 FLAT
5	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
6	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025396	10	NUT, Hex Flange, Nylock, 1/2-13
8	5044609	1	SPACER, .52 X 1.00 X .38, CZ
9	5100139	1	SEAT BELT, RETRACTING - ASSM
10	5100267	2	SCREW, 1/2-13 X 1.00, SHCS
11	-----	1	ROPS, IS3200 -(Call 1-800-933-6175 ex.707 for ROPS service)
12	5025011X8	6	BOLT, 5/16-18 X 1 GD5 CZ
13	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
14	5025017X10	7	BOLT, 1/2-13 X 1-1/4 GD5 CZ
15	5025017X12	1	BOLT, 1/2-13 X 1-1/2 GD5 CZ
16	5410295A	2	BAR, MOUNT, SEAT BELT, IS700Z - BLK
17	5413988B	1	PLATE, CARB PROTECTOR - RED
18	5413044A	1	PLATE, HEAT SHIELD, IS3200 - BLK
19	5413129B	1	WELD, BUMPER, IS3200Z - RED
20	5025017X24	4	BOLT, 1/2-13 X 3" GD5 CZ
21	5025332	4	NUT, 1/2-13 HEX SIDE LOCK
22	5103403X1	2	ANTI-RATTLE SPRING, FEMCO #230328972 (SV) -(180 Degree Bend Roll Bar)
23	5105140X1	2	ANTI-RATTLE SPRING, ROPS, 165 DEGREE (SV) -(165 Degree Bend Roll Bar)

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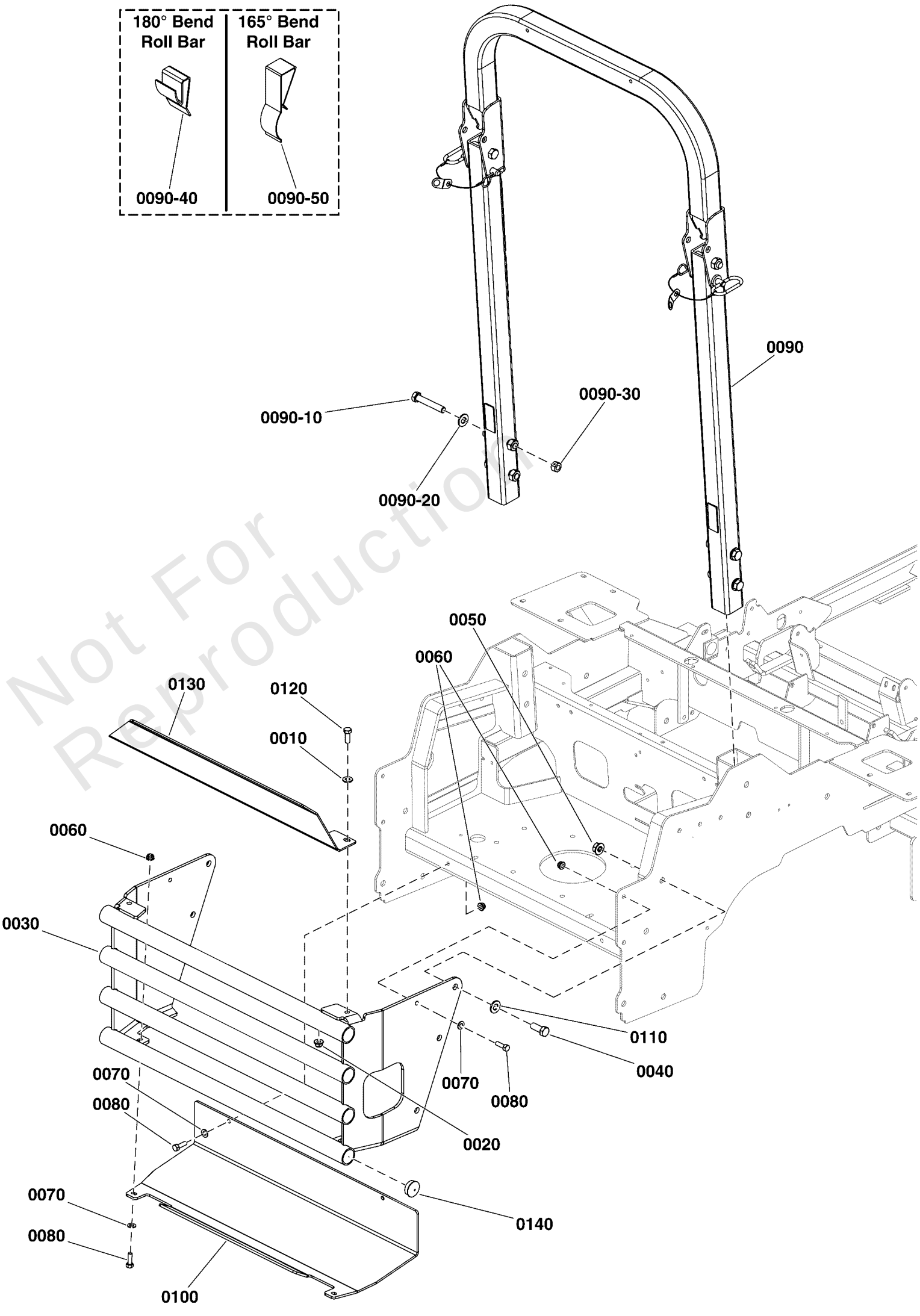
Rear Bumper and ROPS Group S/N: 4000161088 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Rear Bumper and ROPS Group S/N: 4000161088 and Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5025293	2	WASHER, 3/8" GR. 9 FLAT
0020	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0030	5419099B	1	WELD, BUMPER, IS3200 - RED
0040	5025017X10	6	BOLT, 1/2-13 X 1-1/4 GD5 CZ
0050	5025396	6	NUT, Hex Flange, Nylock, 1/2-13
0060	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0070	5025155	6	WASHER, 5/16" SAE
0080	5025011X8	6	BOLT, 5/16-18 X 1" GRD5 YZ
0090	-----	1	ROPS, IS3200 -(Refer to Note: *)
0090-10	5025017X24	4	BOLT, 1/2-13 X 3" GD5 CZ
0090-20	5025158	4	WASHER, 1/2 SAE
0090-30	5025332	4	NUT, 1/2-13 Hex Side Lock
0090-40	5103403X1	2	ANTI-RATTLE SPRING, FEMCO #230328972 (SV) -(180 Degree Bend Roll Bar)
0090-50	5105140X1	2	ANTI-RATTLE SPRING, ROPS, 165 DEGREE (SV) -(165 Degree Bend Roll Bar)
0100	5419098A	1	PLATE, HEAT SHIELD, IS3200 - BLK
0110	5025158	6	WASHER, 1/2 SAE
0120	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
0130	5413988B	1	PLATE, CARB PROTECTOR - RED
0140	5023484	8	PLUG, PANEL, 1.25 - BLACK

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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.

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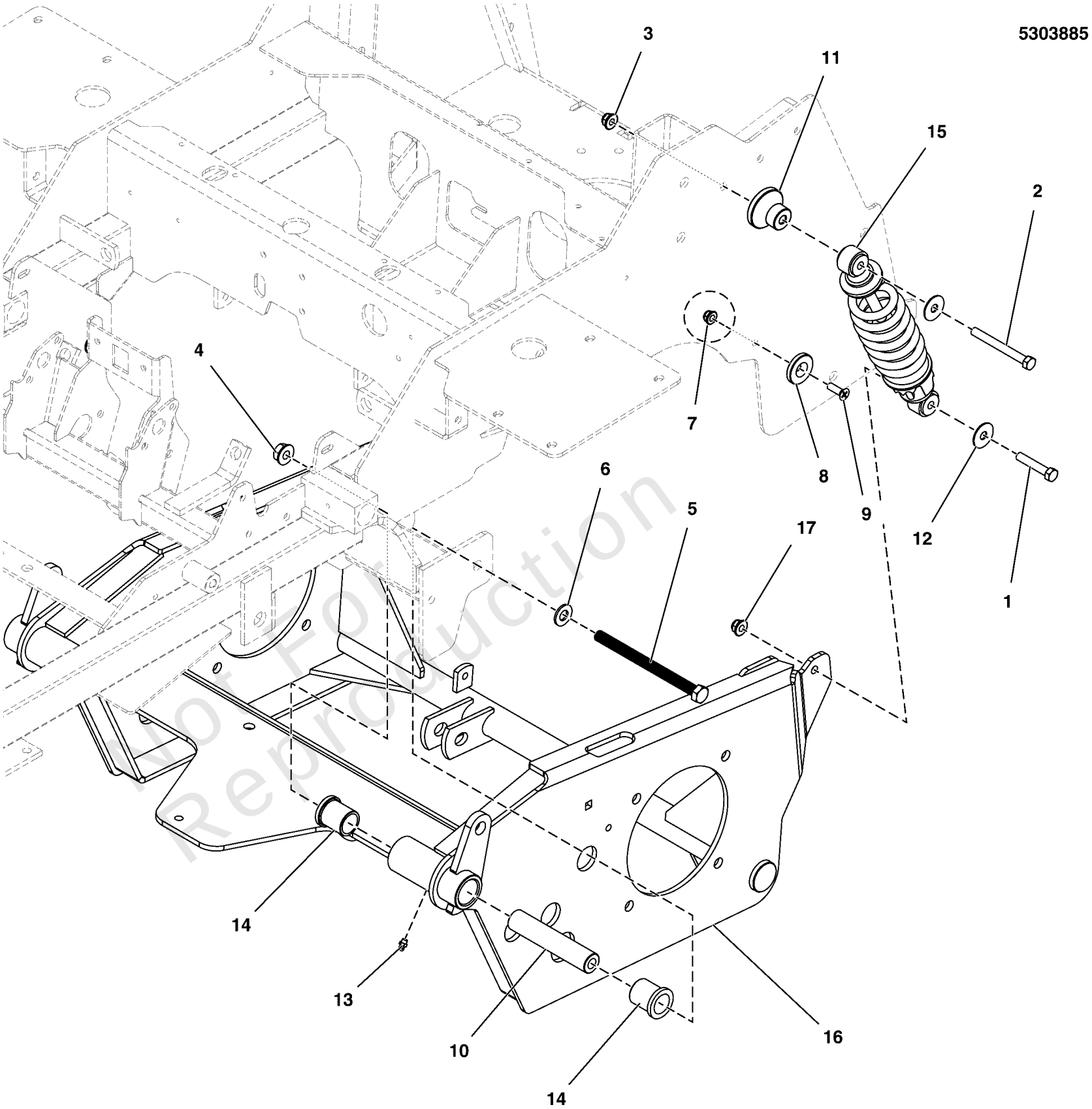
Rear Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570



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Rear Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
2	5025013X28	2	BOLT, 3/8-16 X 3-1/2" GD5 CZ
3	5025100	2	NUT, 3/8-16 HEX SIDE LOCK
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	5413016B	1	WELD, TRANSMISSION CARRIAGE, IS3200 -RED
17	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE

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Seat Mount and Floor Group S/N: 4000015530 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5303880A

Seat (P/N 5105102) Service Parts:

23 - Back Cover, Seat

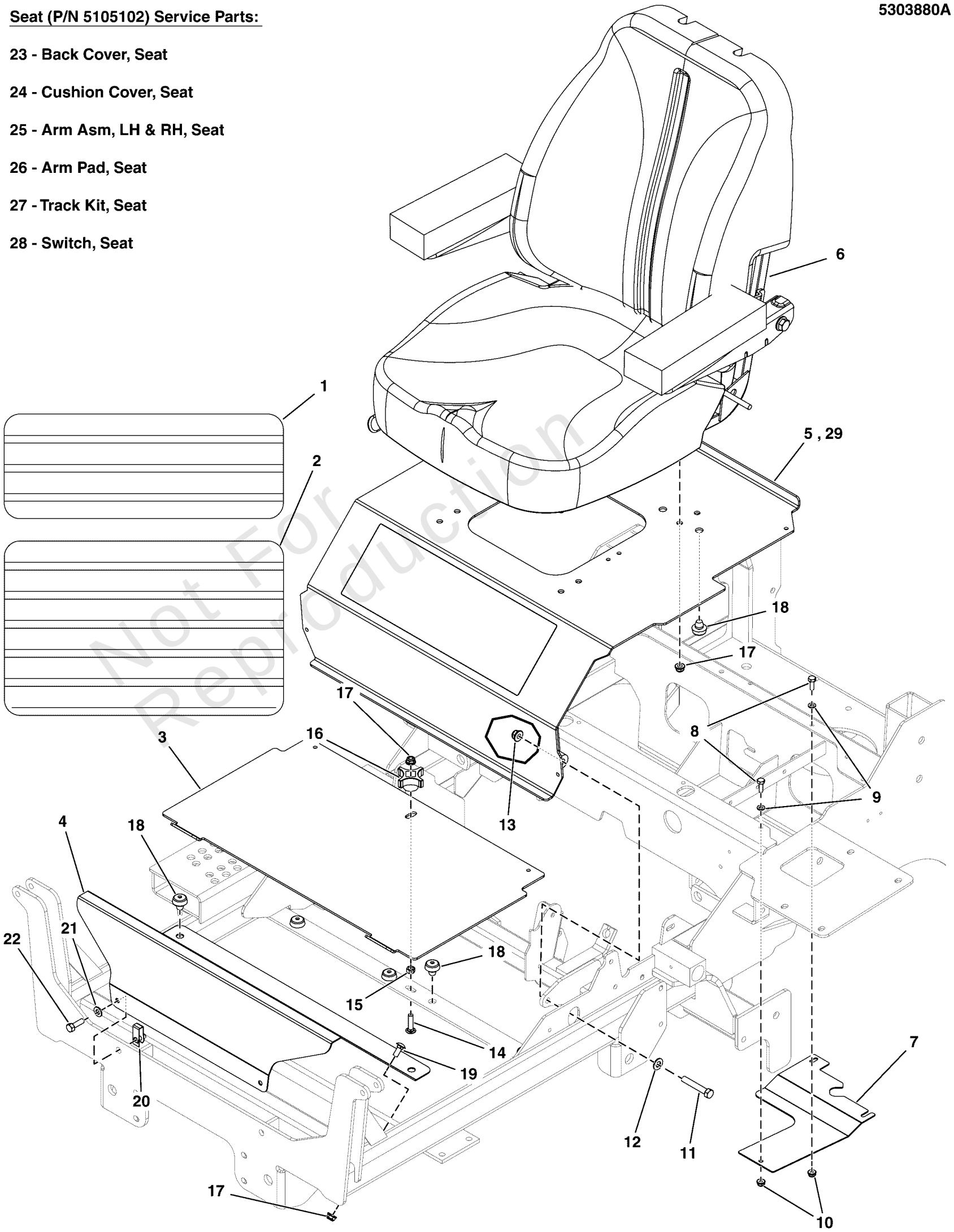
24 - Cushion Cover, Seat

25 - Arm Asm, LH & RH, Seat

26 - Arm Pad, Seat

27 - Track Kit, Seat

28 - Switch, Seat



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Seat Mount and Floor Group S/N: 4000015530 and Below

REF NO	PART NO	QTY	DESCRIPTION
1	5101374	1	SAFETY WALK, FLOOR REST, 16.00 X 6.00
2	5101333	1	SAFETY WALK, FLOOR PLATE, S50X, 10X17.13
3	5412905B	1	PLATE, FLOOR, REMOVABLE, IS3100Z - RED
4	5412908B	1	PLATE, FRONT FLOOR, IS3100Z - RED
5	5600838	1	ASSM, SEAT PLATE W/DECALS, IS3200Z-DOM (5412767B) -(USA Models)
6	5105102	1	SEAT, HIGH BACK, SEAT'SINC, W/SWITCH
7	5411984A	1	GUARD, DEBRIS, IS2100Z - BLK
8	5025010X6	3	BOLT, 1/4"-20 X 3/4" GD5 YZ
9	5025154	3	WASHER, 1/4 SAE
10	5025126	3	NUT, Hex, Serrated Flange, 1/4-20
11	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 CZ
12	5025156	2	WASHER, 3/8 SAE
13	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
14	5025145X10	1	BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ
15	80003675	1	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
16	1670578	1	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
17	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT -(Refer to Note: *)
18	197546	10	MNT, VBRTN, RBBR
19	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
20	5025452	2	BODY CLIP, 5/16-18 -1/4 MATERIAL
21	5025155	2	WASHER, 5/16" SAE
22	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
23	5104719X3	1	BACK COVER -(SV)
24	5104719X4	1	CUSHION COVER -(SV)
25	5104719X2	1	SET OF ARMREST ASSEMBLY BLK/CHAR CAR FIB/HARBR GRY RED WELT -(SV)
26	5104719X1	1	ARM PAD ASSEMBLY BLK/CHAR CAR FIB/HARBR GRY RED WELT -(SV)
27	5104719X5	1	TRACK KIT -(SV)
28	7023354	1	SWITCH, SEAT -(SV)
29	5600839	1	ASSM, SEAT PLATE W/DECALS, IS3200Z-EXP (5412767B) -(Export Models)

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Footnotes:

Note: *Nut on top of knob is no longer used.

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Seat Mount and Floor Group S/N: 4000015531 to 4000875836

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

Seat (P/N 5106318) Service Parts:

0280-10 - 4” Single Locking Tracks

0280-15 - Arm Pad Assembly

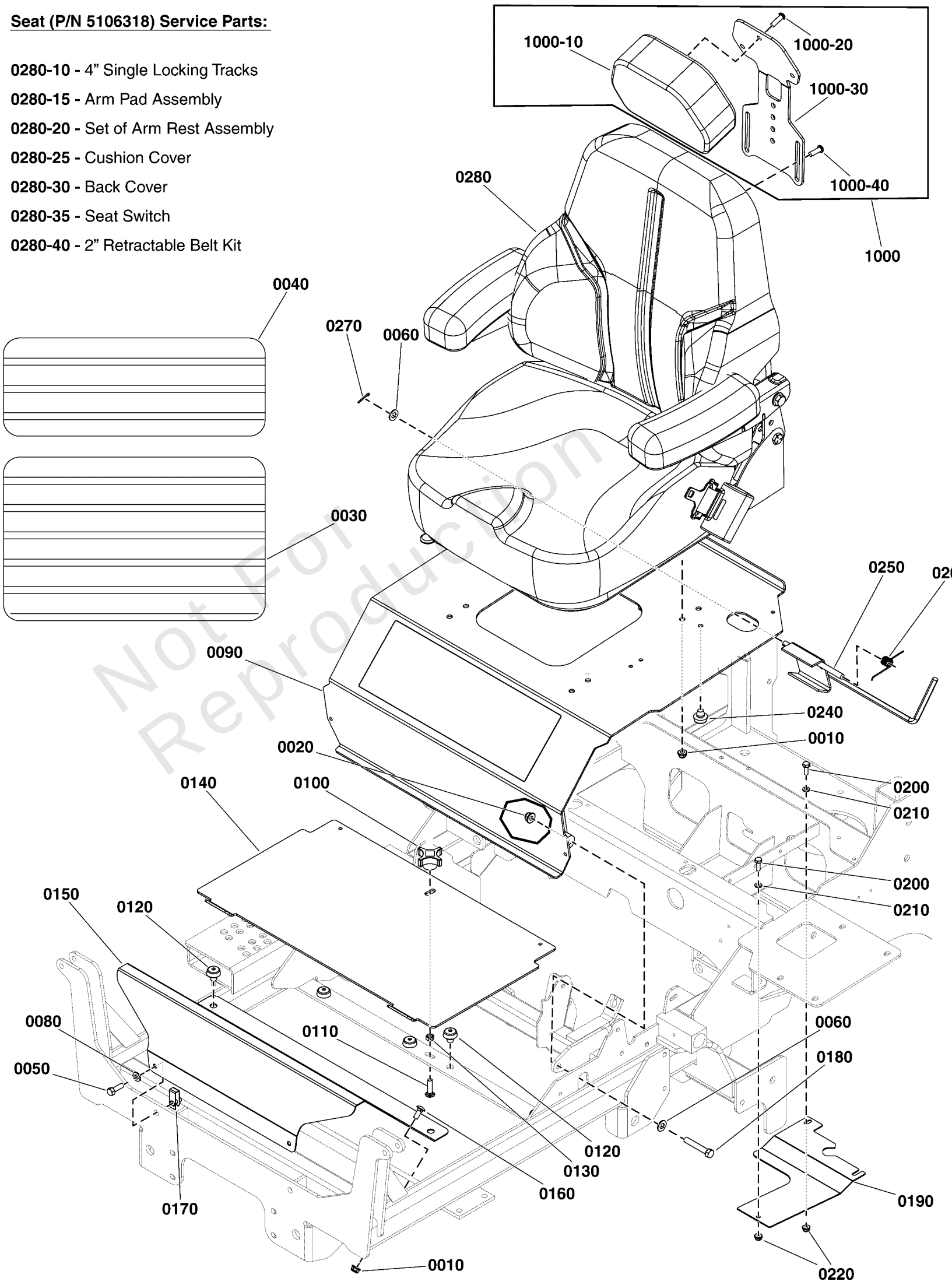
0280-20 - Set of Arm Rest Assembly

0280-25 - Cushion Cover

0280-30 - Back Cover

0280-35 - Seat Switch

0280-40 - 2” Retractable Belt Kit



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Seat Mount and Floor Group S/N: 4000015531 to 4000875836

REF NO	PART NO	QTY	DESCRIPTION
0010	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0020	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0030	5101333	1	SAFETY WALK, FLOOR PLATE, S50X, 10X17.13
0040	5101374	1	SAFETY WALK, FLOOR REST, 16.00 X 6.00
0050	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
0060	5025156	4	WASHER, 3/8 SAE
0080	5025155	2	WASHER, 5/16" SAE
0090	5601175	1	ASSM, SEAT PLATE W/ DECALS, DOMESTIC
0100	1670578	1	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
0110	5025145X10	1	BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ
0120	197546	6	MNT, VBRTN, RBBR
0130	80003675	1	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0140	5412905B	1	PLATE, FLOOR, REMOVABLE, IS3100Z - RED
0150	5412908B	1	PLATE, FRONT FLOOR, IS3100Z - RED
0160	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
0170	5025452	2	BODY CLIP, 5/16-18 -1/4 MATERIAL
0180	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 CZ
0190	5417762A	1	GUARD, DEBRIS, IS3200Z - BLK
0200	5025010X6	3	BOLT, 1/4"-20 X 3/4" GD5 YZ
0210	5025154	3	WASHER, 1/4 SAE
0220	5025126	3	NUT, Hex, Serrated Flange, 1/4-20
0240	5106763	2	BUMPER, RUBBER, 5/16-18, 60 DURO
0250	5418223A	1	WELD, SEAT LATCH HOOK - BLACK
0260	5106644	1	SPRING, TORSION, LH, .0625OD
0270	80002736	1	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
0280	5106318	1	SEAT, HIGH BACK, W/SWITCH & SEAT BELTS
0280-10	5106318X1	1	4" SINGLE LOCKING TRACK KIT -(SV)
0280-15	5106325X2	1	SET OF ARM KITS -(SV)
0280-20	5106325X3	1	SET OF ARM PADS -(SV)
0280-25	5106318X4	1	CUSHION COVER FOR E-DELUXE -(SV)
0280-30	5106318X3	1	MID BACK COVER - E-DELUXE -(SV)
0280-35	7023354	1	SWITCH, SEAT -(SV)
0280-40	5106318X2	1	2" RETRACTABLE SEAT BELT KIT -(SV)
1000	5601135	1	KIT, HEAD REST
1000-10	5106645	1	HEAD REST HIGH BACK SEAT
1000-20	5418483A	1	PLATE, MOUNTING BRACKET, HEADREST - BLK
1000-30	5025652	3	SCREW, 5/16-18X1, BUT HD, BLK, W/PATCH
1000-40	5107404	3	WASHER, FENDER, 1.00 OD X .315 ID X .055

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Seat Mount and Floor Group S/N: 4000875837 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

Seat (P/N 5108195) Service Parts:

0280-10 - 4” Single Locking Tracks

0280-15 - Arm Pad Assembly

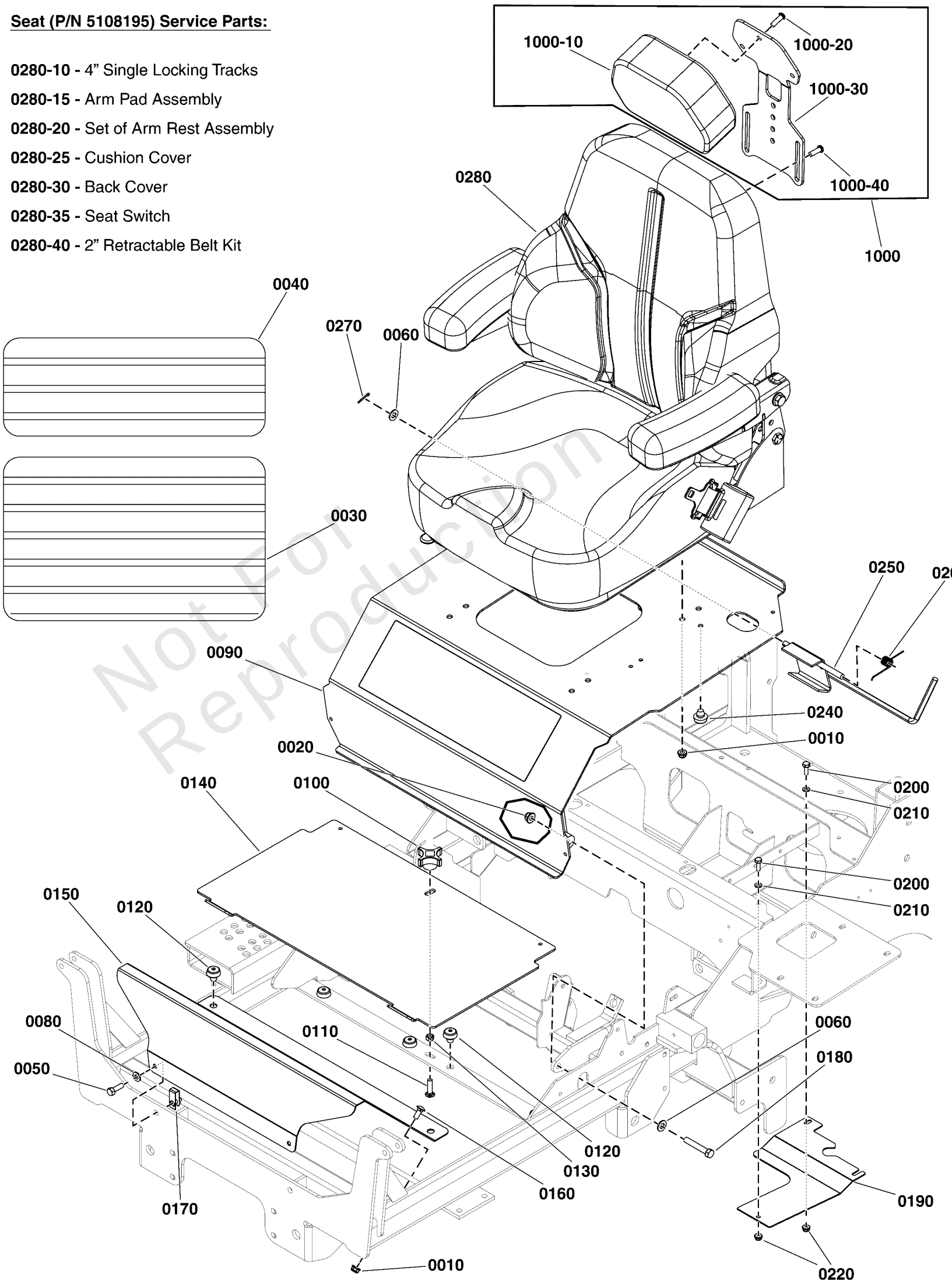
0280-20 - Set of Arm Rest Assembly

0280-25 - Cushion Cover

0280-30 - Back Cover

0280-35 - Seat Switch

0280-40 - 2” Retractable Belt Kit



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Seat Mount and Floor Group S/N: 4000875837 and Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0020	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0030	5101333	1	SAFETY WALK, FLOOR PLATE, S50X, 10X17.13
0040	5101374	1	SAFETY WALK, FLOOR REST, 16.00 X 6.00
0050	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
0060	5025156	4	WASHER, 3/8 SAE
0080	5025155	2	WASHER, 5/16" SAE
0090	5601175	1	ASSM, SEAT PLATE W/ DECALS, DOMESTIC
0100	1670578	1	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
0110	5025145X10	1	BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ
0120	197546	6	MNT, VBRTN, RBBR
0130	80003675	1	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0140	5412905B	1	PLATE, FLOOR, REMOVABLE, IS3100Z - RED
0150	5412908B	1	PLATE, FRONT FLOOR, IS3100Z - RED
0160	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
0170	5025452	2	BODY CLIP, 5/16-18 -1/4 MATERIAL
0180	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 CZ
0190	5417762A	1	GUARD, DEBRIS, IS3200Z - BLK
0200	5025010X6	3	BOLT, 1/4"-20 X 3/4" GD5 YZ
0210	5025154	3	WASHER, 1/4 SAE
0220	5025126	3	NUT, Hex, Serrated Flange, 1/4-20
0240	5106763	2	BUMPER, RUBBER, 5/16-18, 60 DURO
0250	5418223A	1	WELD, SEAT LATCH HOOK - BLACK
0260	5106644	1	SPRING, TORSION, LH, .0625OD
0270	80002736	1	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
0280	5108195	1	SEAT, HIGH BACK, W/SWITCH & SEAT BELT
0280-10	5106318X1	1	4" SINGLE LOCKING TRACK KIT -(SV)
0280-15	5106325X2	1	SET OF ARM KITS -(SV)
0280-20	5106325X3	1	SET OF ARM PADS -(SV)
0280-25	5106318X4	1	CUSHION COVER FOR E-DELUXE -(SV)
0280-30	5108194X2	1	SEAT BACK COVER -(SV)
0280-35	7023354	1	SWITCH, SEAT -(SV)
0280-40	5106318X2	1	2" RETRACTABLE SEAT BELT KIT -(SV)
1000	5601135	1	KIT, HEAD REST
1000-10	5106645	1	HEAD REST HIGH BACK SEAT
1000-20	5418483A	1	PLATE, MOUNTING BRACKET, HEADREST - BLK
1000-30	5025652	3	SCREW, 5/16-18X1, BUT HD, BLK, W/PATCH
1000-40	5107404	3	WASHER, FENDER, 1.00 OD X .315 ID X .055

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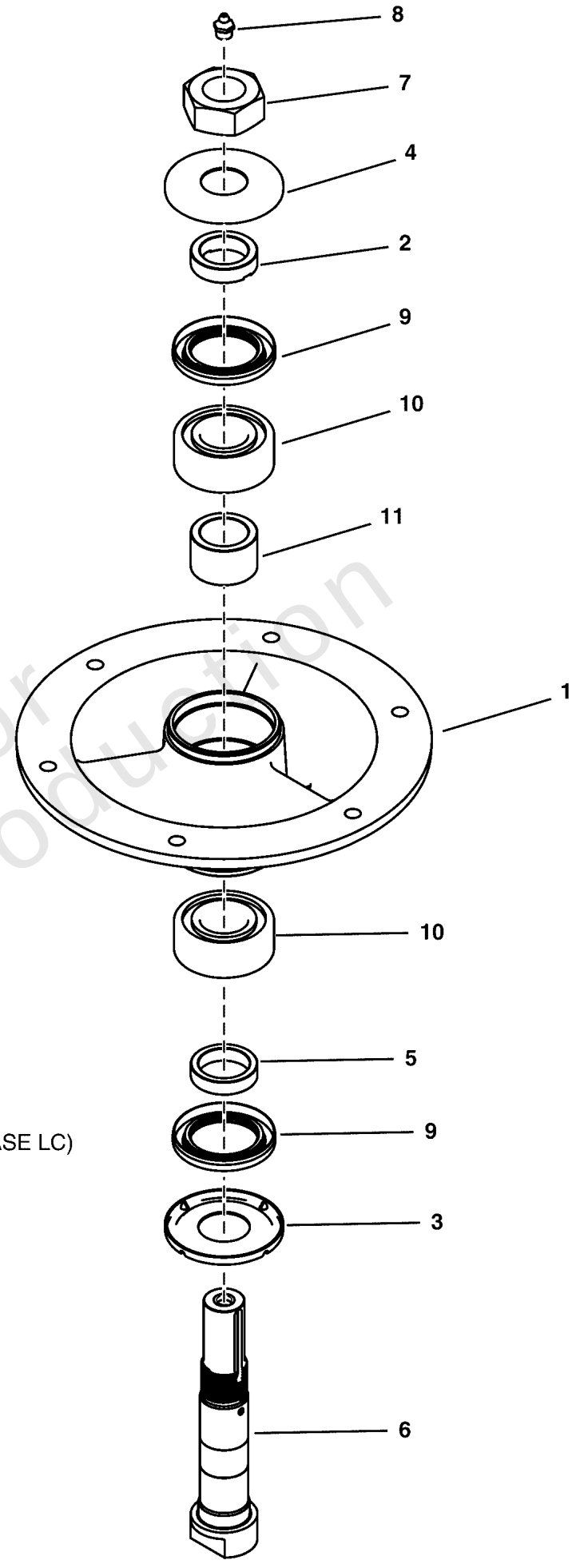
Spindle Service Parts - 5413009

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

5413009SV



NOTE:
FOR FINAL ASSEMBLY, APPLY LOCTITE - GRADE 272 TO NUT PRIOR TO TORQUING.

FINAL TORQUE OF RETAINING NUT TO BE 165-225 FT-LBS.

FILL CAVITY WITH NLGI, GRADE 2, EP-2 GREASE THROUGH GREASE FITTING AFTER FINAL ASSEMBLY AND TORQUE. (SUPERPLEX EP-S, SHELL ALBIDA LC2, BP ENERGREASE LC)

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Spindle Service Parts - 5413009

REF NO	PART NO	QTY	DESCRIPTION
1	5104359	1	HOUSING, SPINDLE, HD
2	5104366	1	SPACER, 1.183 x 1.625 x 0.420
3	5049434	1	SHIELD, TRASH, BOTTOM
4	5104367	1	SHIELD, TRASH, TOP
5	5104448	1	SPACER, 1.25 X 1.63 X .383
6	5104365	1	SHAFT, SPINDLE, HD
7	5104358	1	NUT, 1-1/ 8- 12 UNF, CZ
8	5023329	1	FITTING, 1/8 NPT STR, SHORT
9	5049445	2	SEAL, GREASE DOUBLE LIP
10	5104336	2	BEARING, #3206, DOUBLE ROW RADIAL BALL
11	5104360	1	SPACER, 1.183 x 1.625 x 1.030

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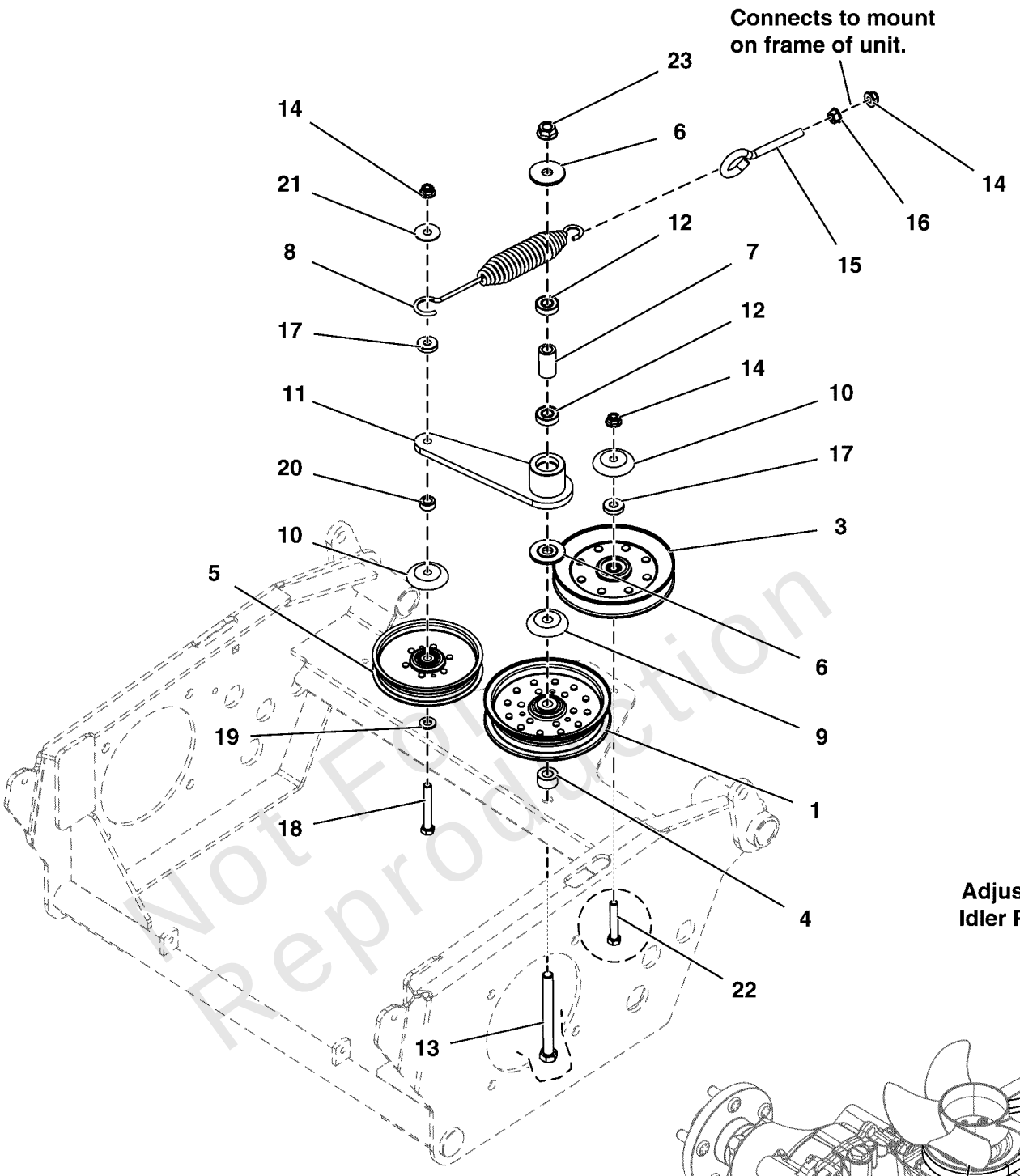
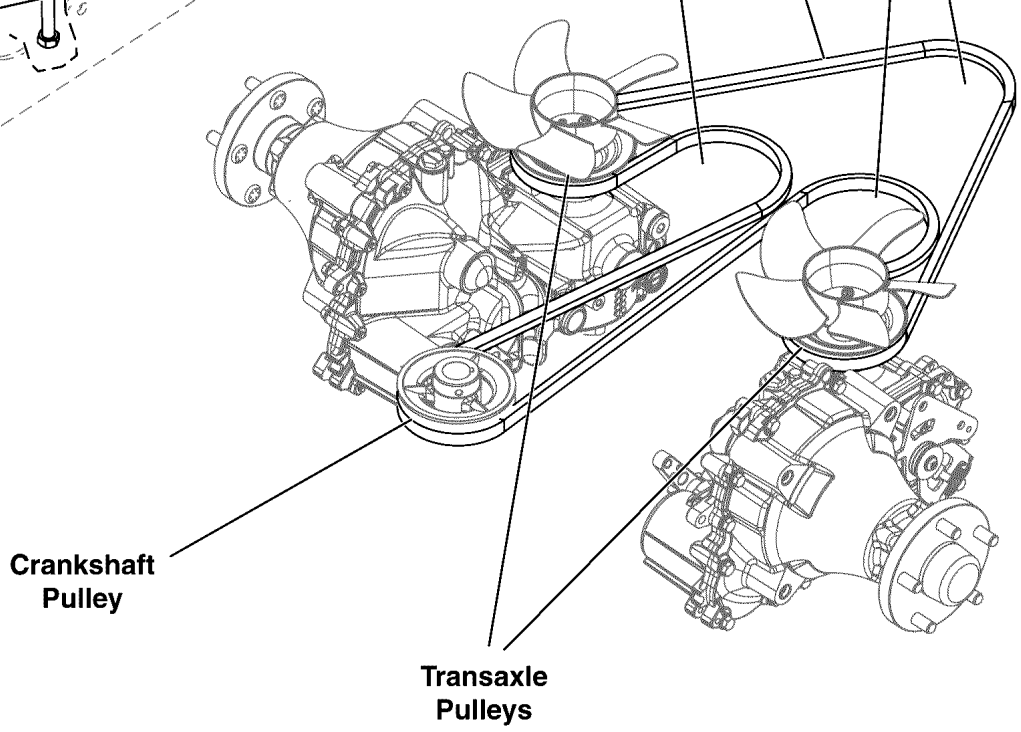
5303881





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Transaxle Drive Group S/N: 2018015083 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	Replace with: Pulley #5104717 & Debris Shield #5105145
2	5104378	1	BELT, B-SEC, 129"EL, ARAMID, WRAPED
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
9	5101103	1	SHIELD, PULLEY BEARING, CZ
10	5103787	2	SHIELD, BEARING PULLEY, 3/8ID, CZ
11	5413140A	1	WELD, IDLER ARM, 7.50, BEARINGS - 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	5025429	1	EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C
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

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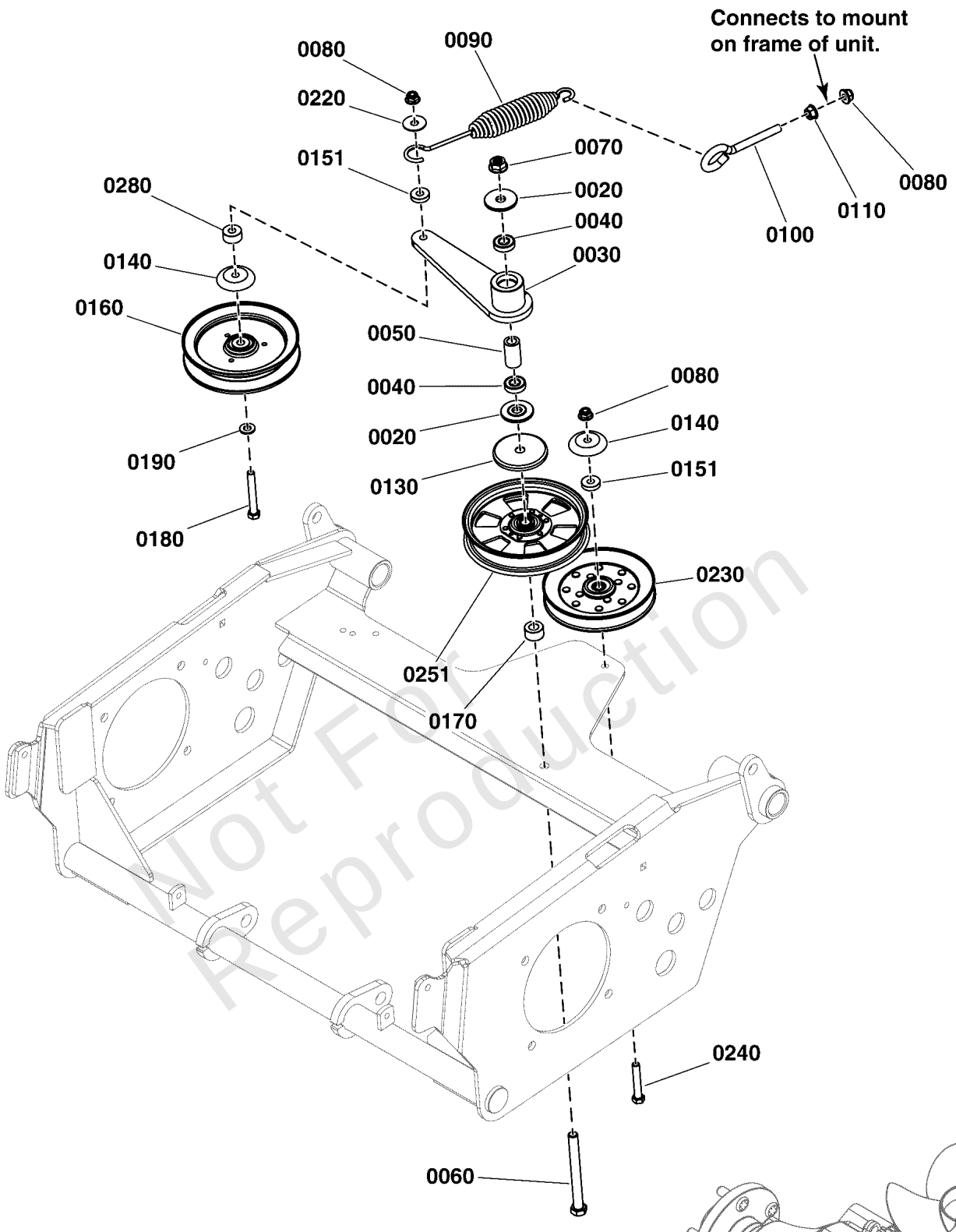
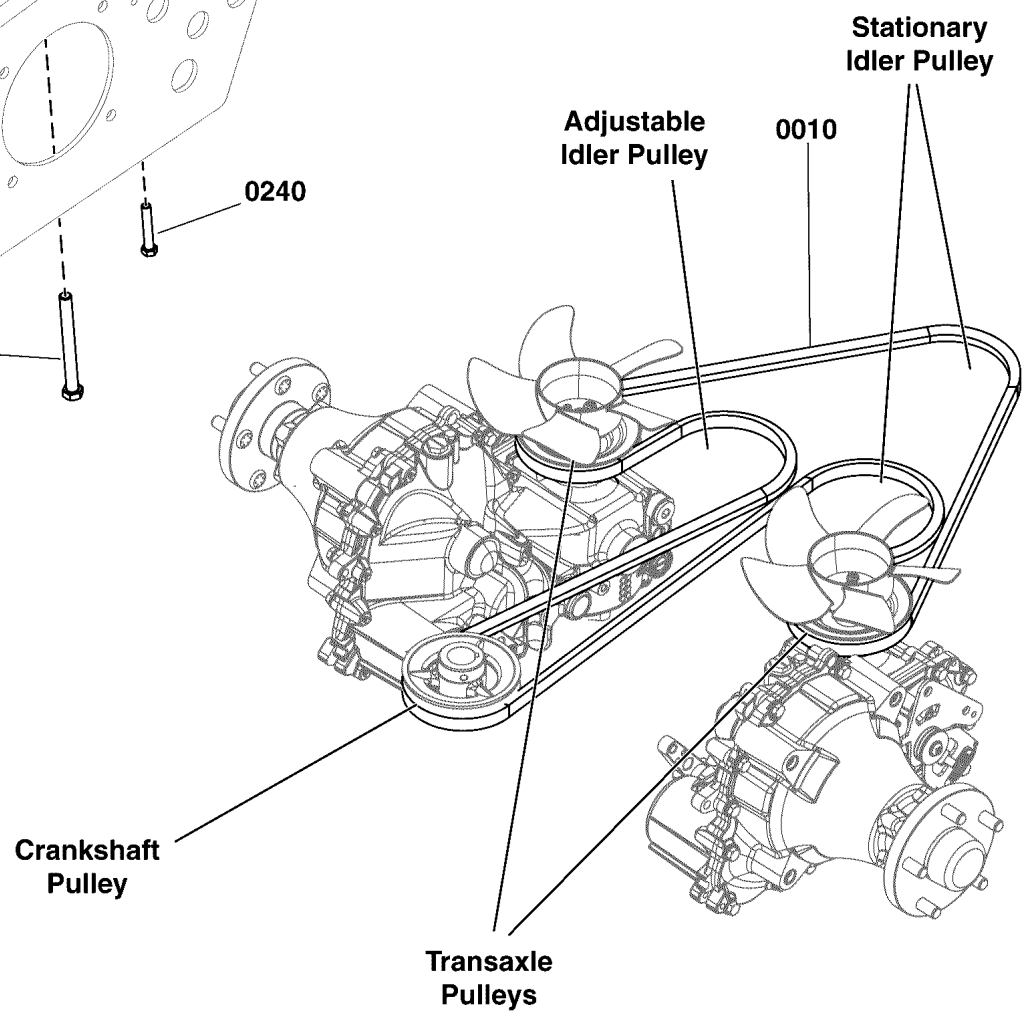
Transaxle Drive Group S/N: 2018015084 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570





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Transaxle Drive Group S/N: 2018015084 & Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5104378	1	BELT, B-SEC, 129"EL, ARAMID, WRAPED
0020	5103262	2	SPACER, IDLER ARM, 1/2, PM
0030	5413140A	1	WELD, IDLER ARM, 7.50, BEARINGS - BLK
0040	7078243	2	BEARING, BALL, AXLE
0050	5103812	1	SPACER, .52 X .84 X 1.53, PM
0060	5025017X40	1	BOLT, 1/2-13 X 5" GD5 YZ
0070	5025396	1	NUT, Hex Flange, Nylock, 1/2-13
0080	5025394	3	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0090	5100632	1	SPRING-EXT, 1.25OD X 9.3LG X .142WR, BLK
0100	5025429	1	EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C
0110	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange
0130	5105145	1	SHIELD, BEARING, 1/2 ID X 2-7/8 OD, CZ
0140	5103787	2	SHIELD, BEARING PULLEY, 3/8ID, CZ
0151	5044960	2	SPACER, .39 X 1.00 X .25, PM, CZ
0160	5103789	1	PULLEY, C-SEC, V-IDLER, 6.25"ODX3/8ID
0170	5101162	1	SPACER, .52 X 1.00 X .56, PM, CZ
0180	5025013X22	1	BOLT, 3/8-16 X 2-3/4" GD5 CZ
0190	5025293	1	WASHER, 3/8" GR. 9 FLAT
0220	5025165	1	WASHER, 3/8" Fender
0230	5102093	1	PULLEY-IDLER-V, 5.83OB, .38ID, .94W, STL
0240	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
0251	5104717	1	PULLEY, FLT IDLR, 6.0 X 1.0 X .50, CZ
0280	5046860	1	SPACER, .39 X 1.00 X .50, PM, CZ

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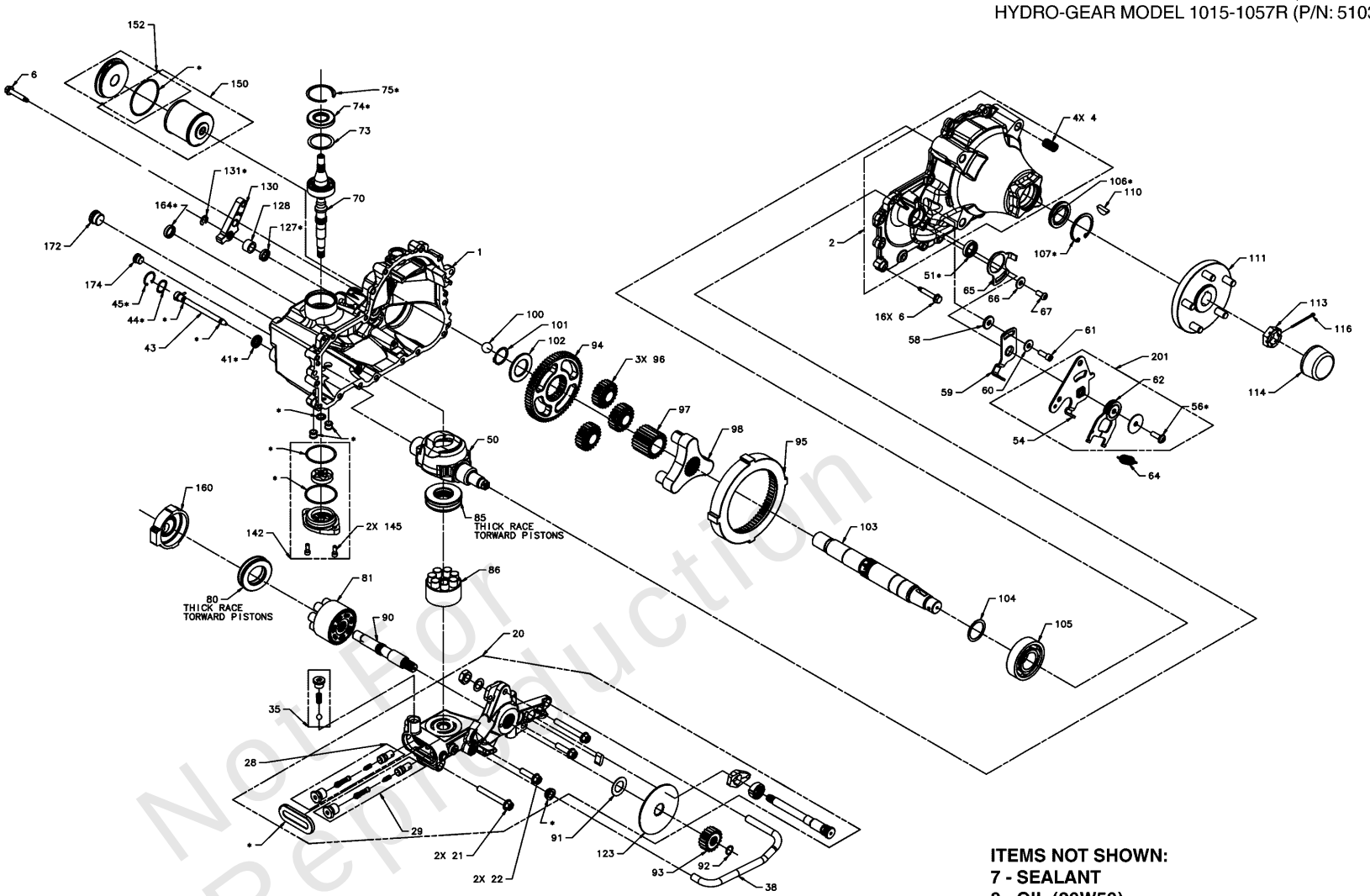
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901570

HYDRO-GEAR MODEL 1015-1014L (P/N: 5101988)
HYDRO-GEAR MODEL 1015-1014R (P/N: 5101987)
HYDRO-GEAR MODEL 1015-1017L (P/N: 5102254)
HYDRO-GEAR MODEL 1015-1017R (P/N: 5102253)
HYDRO-GEAR MODEL 1015-1024L (P/N: 5102870)
HYDRO-GEAR MODEL 1015-1024R (P/N: 5102871)
HYDRO-GEAR MODEL 1015-1057L (P/N: 5103964)
HYDRO-GEAR MODEL 1015-1057R (P/N: 5103963)



ITEMS NOT SHOWN:
7 - SEALANT
8 - OIL (20W50)
200 - SEAL KIT (*) PARTS INCLUDED IN SEAL KIT

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Transaxle SERVICE PARTS - ZT5400

REF NO	PART NO	QTY	DESCRIPTION
114	5101987X5	1	AXLE CAP, ZT5400 -(Hydro-Gear P/N 53724)
150	5101987X2	1	KIT, FILTER -(Hydro-Gear P/N 71943)
200	5101987X4	1	KIT, SEAL, ZT5400 -(Hydro-Gear P/N 71945)
51	5104385X6	1	KIT, CONTROL ARM SEAL, HG# 55526 -(Hydro-Gear P/N 52989)
70	5101987X8	1	KIT, INPUT SHAFT (BEARING AND SHAFT ONLY) -(Hydro-Gear P/N 71941)
74	5101987X7	1	KIT, INPUT SEAL -(Hydro-Gear P/N 51280)
106	5104385X5	1	KIT, AXLE SEAL -(Hydro-Gear P/N 53008)
111	5101987X6	1	ASSM, HUB, STANDARD AXLE TRANSMISSIONS (ZT5400) -(Hydro-Gear P/N 72039)
111	5102253X1	1	ASSM, HUB, LONG AXLE TRANSMISSIONS (ZT5400) -(Hydro-Gear P/N 72102)
127	5109995	1	BRAKE SHAFT SEAL, 55523, ZT4400 & ZT5400 -(Hydro-Gear P/N 55523)

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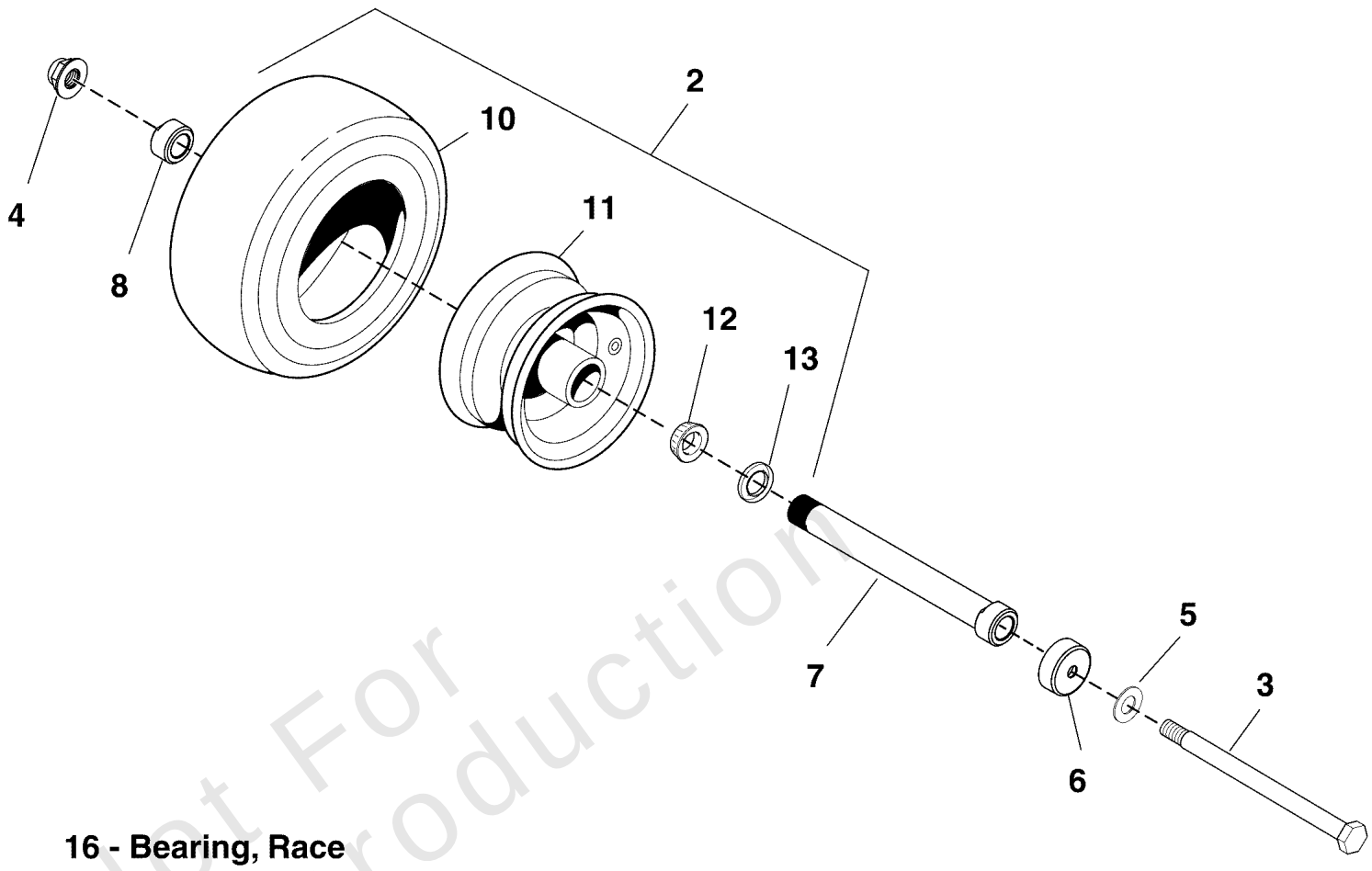
Front Wheels & Tires



16 - Bearing, Race

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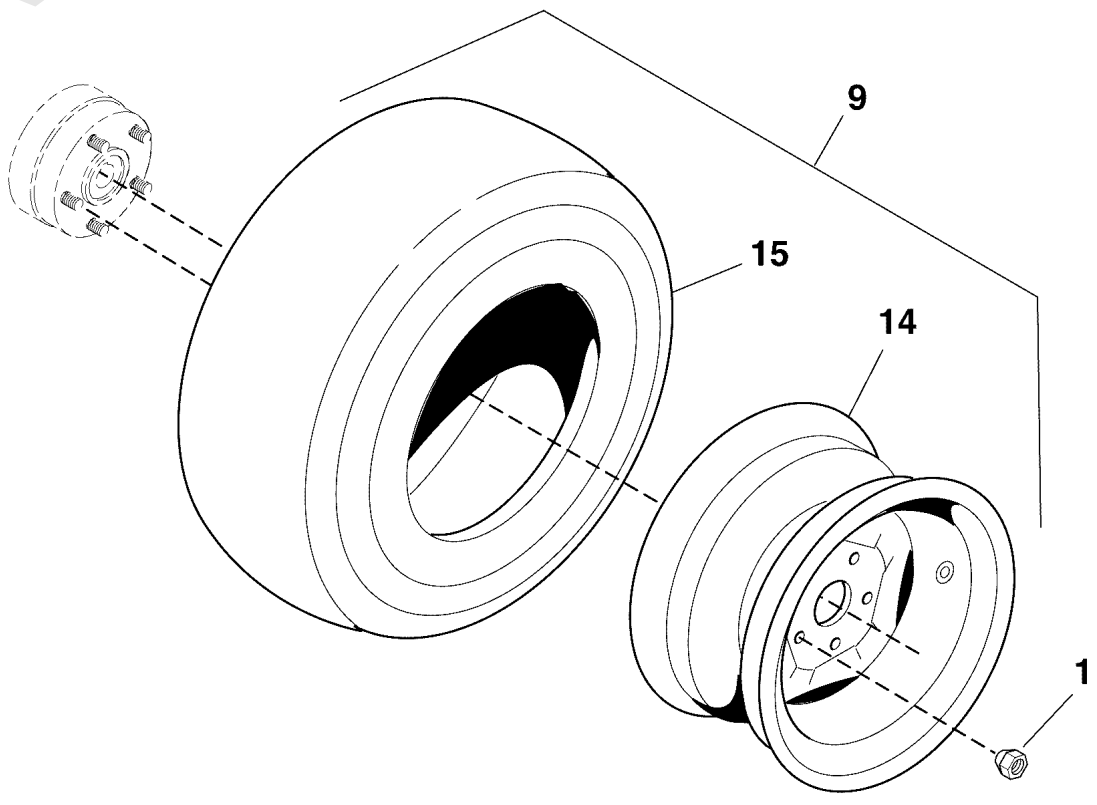
Rear Wheels & Tires



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Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
1	5020601	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER
2	5023136	2	TIRE ASSM, 13 X 6.5 - 6, PNE / TB
3	5025017X72	2	BOLT, 1/2-13 X 9 GD5 CZ
4	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
5	5025158	2	WASHER, 1/2 SAE
6	5103594	4	DEBRIS, COVER, CASTER WHEELS
7	5103649	2	BEARING ADJUSTER, SPACER, 7.062 LG
8	5103650	2	NUT, BEARING ADJUSTER, AXLE
9	5104380	2	TIRE/WHEEL ASM, 26X12.00-12, TURF SMART -(S/N: 4000798695 and below)
9	5108099	2	TIRE WHEEL ASM, 26X12.00-12, MULTI TRAC -(S/N: 4000798696 and above)
10	5022577	2	TIRE, Rubber Only
11	5023136X1	2	WHEEL ASSEMBLY, FOR 13 X 6.5 X 6 TIRES (INCLUDES BEARING AND SEALS)
12	5022631SX2	4	BEARING, Tapered Roller -(2 per tire)
13	5022631SX3	4	SEAL, GREASE -(2 per tire)
14	5104380X1	2	WHEEL, 12 X 9.5, SOLD, 4.063" OFFSET (SV)
15	5104380X2	2	TIRE, TURF SMART, 26X12.00-12 4 PLY (SV) -(S/N: 4000798695 and below)
15	5023152X1	2	TIRE, Rear, 26 x 12 x 12 -(S/N: 4000798696 and above)
16	5022631SX4	2	BEARING, RACE -(Not illustrated)

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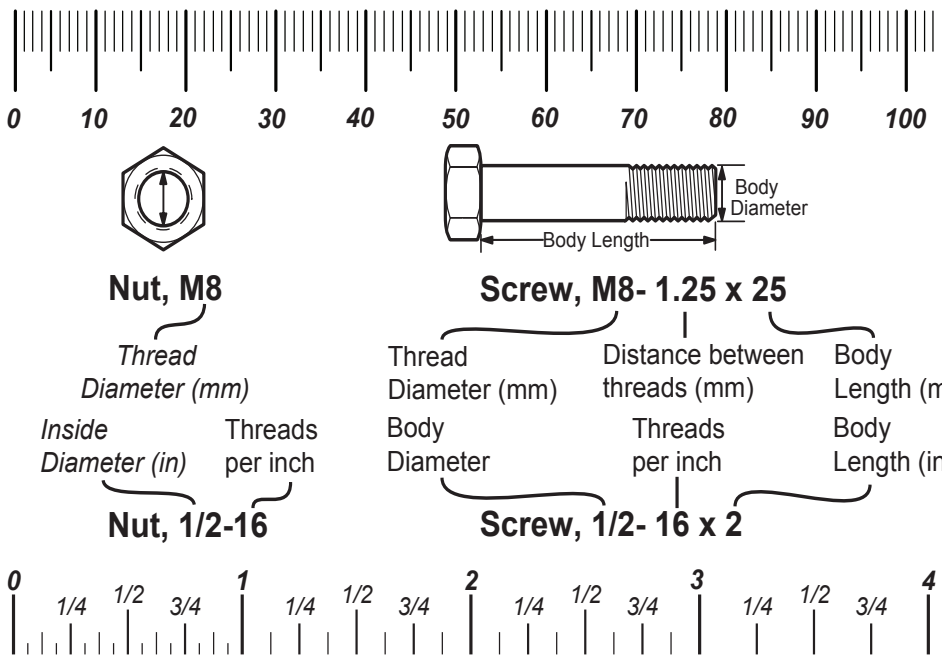
Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)

Property Class	5.6 Class 5.6		8.8 Class 8.8		10.9 Class 10.9		12.9 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

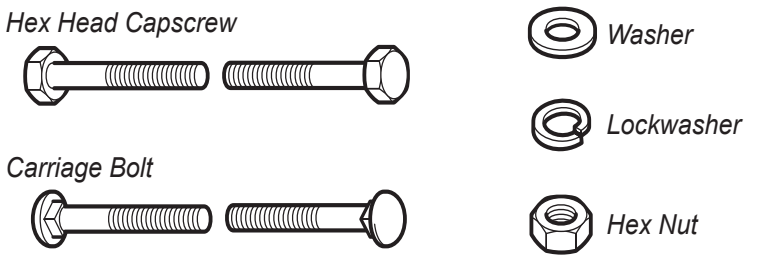
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks 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

1. 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.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. 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—22 mm

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