



Parts Manual

Mfg. No: 5901691

SRS Z3X Series w/ 61" Mower Deck
(SRSZ3XKAVE3061)



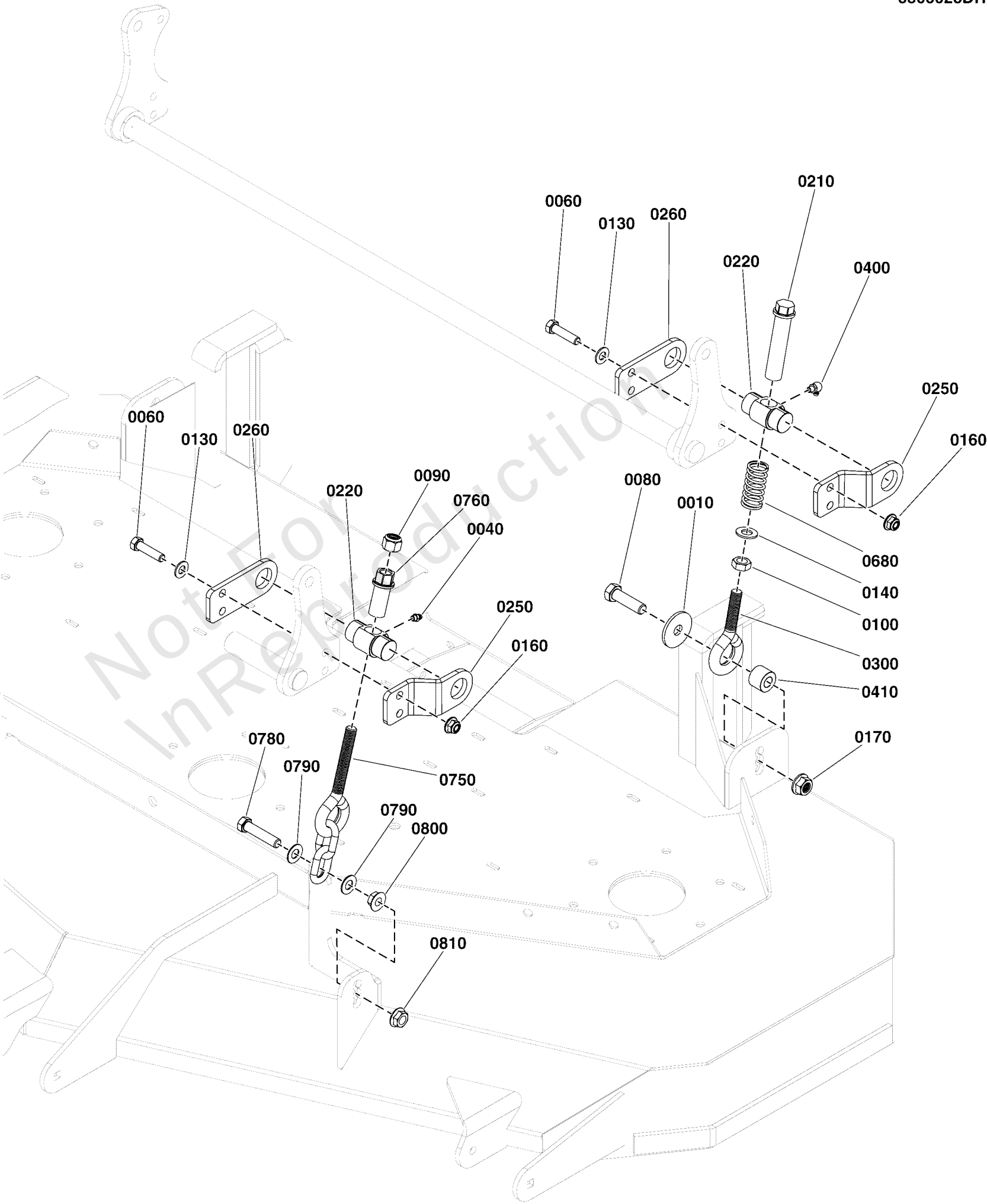
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61" Mower Deck Group - Deck Hangers

Note: Unless noted otherwise, use the standard torque specifications

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5305028DH



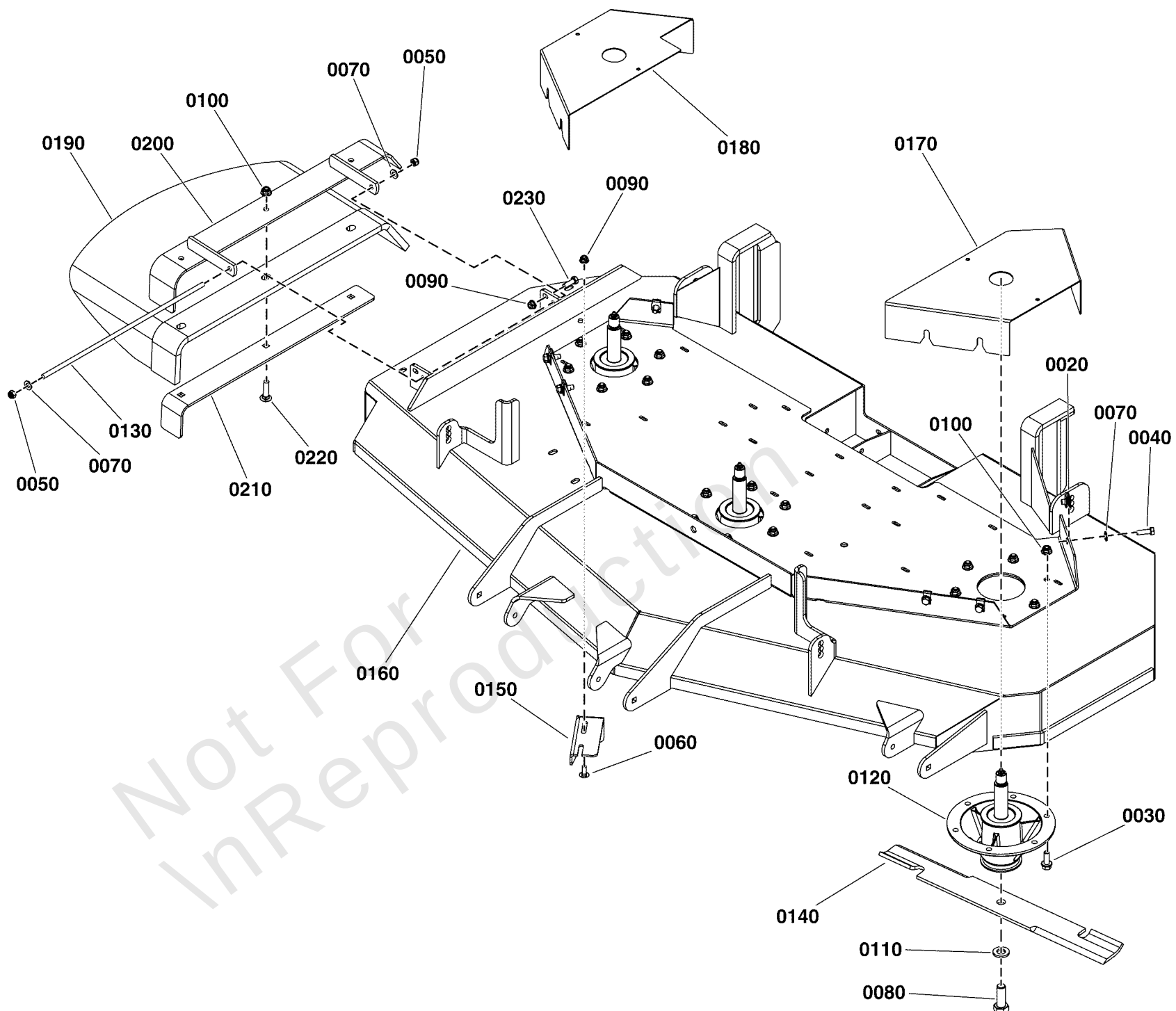
61" Mower Deck Group - Deck Hangers

REF NO	PART NO	QTY	DESCRIPTION
0010	5103282	2	WASHER, .52 X 1.75 X 0.14, CZ
0040	5020095	2	GREASE FITTING, 1/4-28 Straight
0060	5025013X12	8	BOLT, 3/8-16 X 1-1/2" GD5 CZ
0080	5025017X14	2	BOLT, 1/2-13 X 1-3/4 GD5 CZ
0090	5025056	2	NUT, Hex, Nylon Lock, 1/2-13
0100	5025089	2	NUT, 1/2-20 Hex Jam
0130	5025156	8	WASHER, 3/8 SAE
0140	5025158	2	WASHER, 1/2 SAE
0160	5025394	8	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0170	5025396	4	NUT, Hex Flange, Nylock, 1/2-13
0210	5102664	2	ADJUSTER, DECK LIFT, CZ
0220	5104238	4	PIVOT, DECK LIFT TRUNION, GREASABLE
0250	5413899A	4	BRACKET, OUTER TRUNION MNT - BLK
0260	5413900A	4	BRACKET, INNER TRUNION MNT - BLK
0300	5025579	2	EYE BOLT, 1/2-20 X 4.25, 1.88 THRD, 1 EYE, CZ
0400	5025447	2	GREASE FITTING, 1/4-28 STRAIGHT, 90 DEGREE
0410	5045178	2	SPACER, .52 X 1.00 X .75, CZ
0680	5105582	2	SPRING, COMPRESSION, .76 X .97 X 2", BLK
0750	5104309	2	HANGER, FRONT DECK - 2 LINK, 5.5" EB
0760	5105629	2	ADJUSTER, SHORT, DECK LIFT, CZ
0780	80018782	2	CAPSCREW-HEX HD 7/16-14X2.000 G8 CL/ZC
0790	80004028	4	WSHR, 7/16 ID X .065 THK, FLAT, ZINC/CLEAR
0800	5025533	2	NUT, HEX, 7/16-14, SER, FLG, GD5, YZ
0810	1930650	2	NUT-HEX FLANGE 7/16-14 TWO WAY LK GA BLK

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691



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

REF NO	PART NO	QTY	DESCRIPTION
0020	5022308	6	BODY CLIP, 5/16-18 7GA. MATERIAL
0030	5025390X8	18	BOLT, Flange, 3/8-16 X 1 -(Torque spindle mounting bolts to 17 ft. lbs. (23 Nm))
0040	5025011X8	6	BOLT, 5/16-18 X 1" GRD5 YZ
0050	5025045	2	NUT, Hex, Nylon Lock, 5/16-24
0060	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
0070	5025155	8	WASHER, 5/16" SAE
0080	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8 -(Torque blade mounting bolt to 70 ft. lbs. (94 Nm))
0090	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0100	5025394	21	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0110	5025477	3	WASHER, BLADE BOLT, 9/16" F436, CZ
0120	5104744	3	SPINDLE ASSM, CAST IRON 8.0-6 BOLT, LS
0130	5061300	1	ROD, MOUNT, CHUTE, 61, CZ
0140	5101755S	1	BLADE SET, 61 DECK (3) -(Set of 3 blades)
0150	5401344A	1	PLATE, DEFLECTOR - BLK
0160	5601067	1	DECK SHELL W/DECALS, SRSZ3-61 (5415143B) -(Refer to Note: *)
0170	5416489B	1	GUARD, LH 61 DECK, SRSZ3 - RED
0180	5416488B	1	GUARD, RH 61 DECK, SRSZ3 - RED
0190	5413499	1	CHUTE, RUBBER DISCHARGE (5104442) -(5104442)
0200	5413387A	1	WELD, MOUNT, DISCHARGE CHUTE - BLK
0210	5413385A	1	SUPPORT, DISCHARGE CHUTE - BLK
0220	5025146X12	3	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
0230	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5

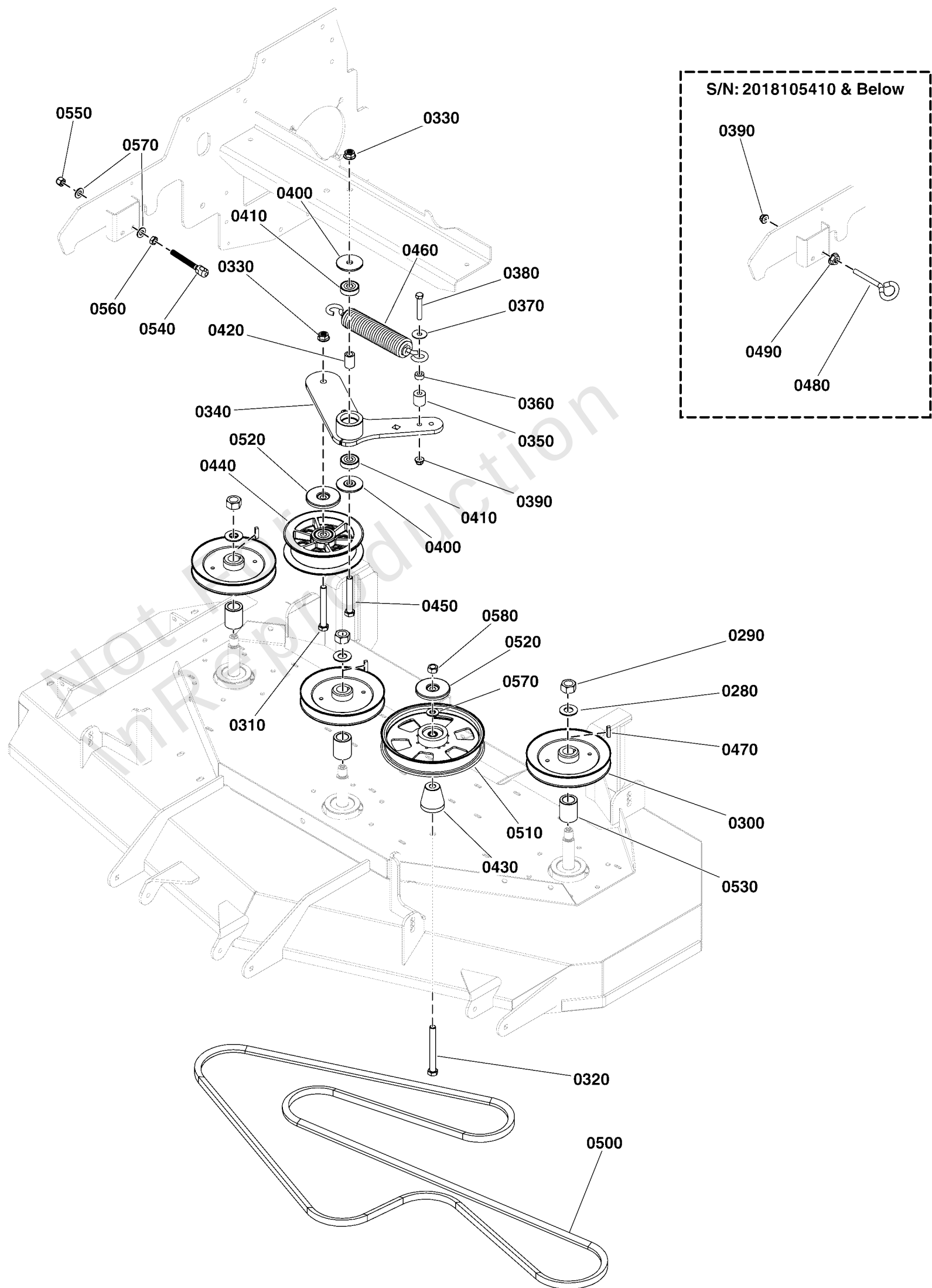
Footnotes:

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

61" Mower Deck Group - Pulleys, Belt & Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691



61" Mower Deck Group - Pulleys, Belt & Idler Arm

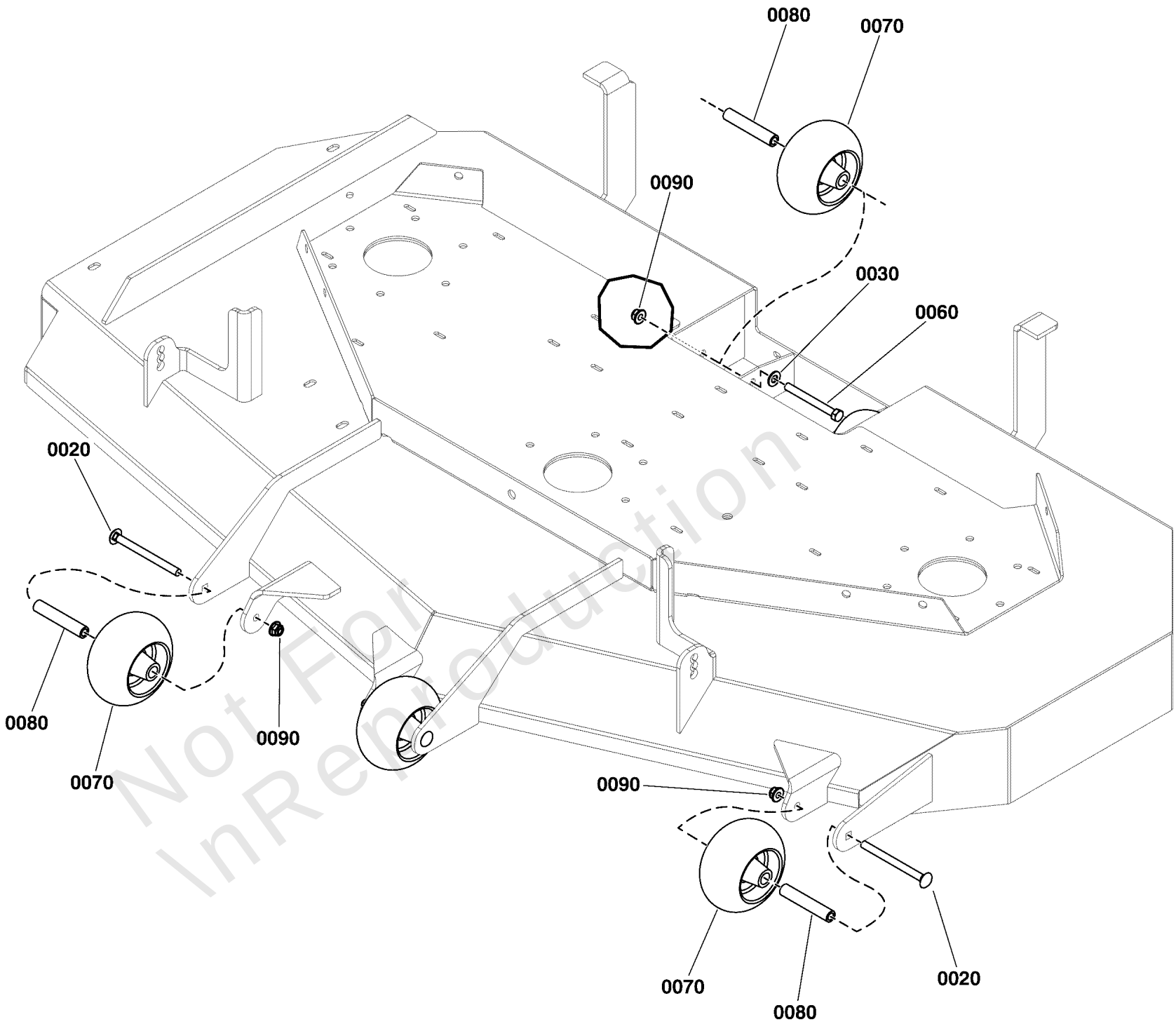
REF NO	PART NO	QTY	DESCRIPTION
0280	5025406	3	WASHER, 3/4 BELLEVILLE CL/ZC
0290	5025405	3	NUT, 3/4-16 Hex
0300	5105004	3	PULLEY, SPNDL, 7.032"OB X .985"ID
0310	5025017X32	1	BOLT, 1/2-13 X 4" GD5 CZ
0320	5025017X36	1	BOLT, 1/2-13 X 4-1/2" GD5 YZ
0330	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
0340	5416473A	1	WELD, IDLER ARM, MOWER DECK,SRS Z3 - BLK
0350	5100896	1	SPACER, .390 X 1.00 X 1.00 - YZ
0360	5044933	1	SPACER, .39 X .75 X .38, PM, CZ
0370	5025165	1	WASHER, 3/8" Fender
0380	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
0390	5025394	1	NUT, 3/8 - 16 HEX NYLOCK FLANGE -(Qty: 2 - S/N: 2018105410 & Below)
0400	5104379	2	SPACER, IDLER ARM, 1/2 X 2.25
0410	5104383	2	BEARING, 6203-1/2", SEALED
0420	5104456	1	SPACER, .51 X .84 X 1.22, PM, CZ
0430	5105523	1	SPACER, .515 X 1.25 X 2.06, CZ
0440	5105009	1	PULLEY, IDLER, 5.50, CI, DBL BEARING
0450	5025017X28	1	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
0460	5105092	1	SPRING, 1.52" OD X 10.70" FL X .234" WIRE, BLK
0470	5050407X8	3	KEY, 1/4" SQ. X 1.00"
0480	5023497	1	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ -(S/N: 2018105410 & Below)
0490	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange -(S/N: 2018105410 & Below)
0500	5105453	1	BELT, 5V SECT, 145.40" EL, ARAMID, WRPD
0510	5105454	1	IDLER, 8" BACK SIDE, 1/2" ID, BLK ECOAT
0520	5105041	2	SHIELD, PULLEY, 1/2"ID X 2-7/8"OD, CZ
0530	5105459	3	SPACER, 1.00 X 1.50 X 1.875, STOD
0540	5105844	1	SPRING PULLER, 1/2-20, 5.00 -(S/N: 2018105411 & Above)
0550	5025098	1	NUT, Hex, Nylon Lock, 1/2-20 -(S/N: 2018105411 & Above)
0560	5025089	1	NUT, 1/2-20 Hex Jam -(S/N: 2018105411 & Above)
0570	5025158	3	WASHER, 1/2 SAE -(Qty: 1 - S/N: 2018105410 & Below)
0580	5025056	1	NUT, Hex, Nylon Lock, 1/2-13

61" Mower Deck Group - Rollers

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305037



61" Mower Deck Group - Rollers

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

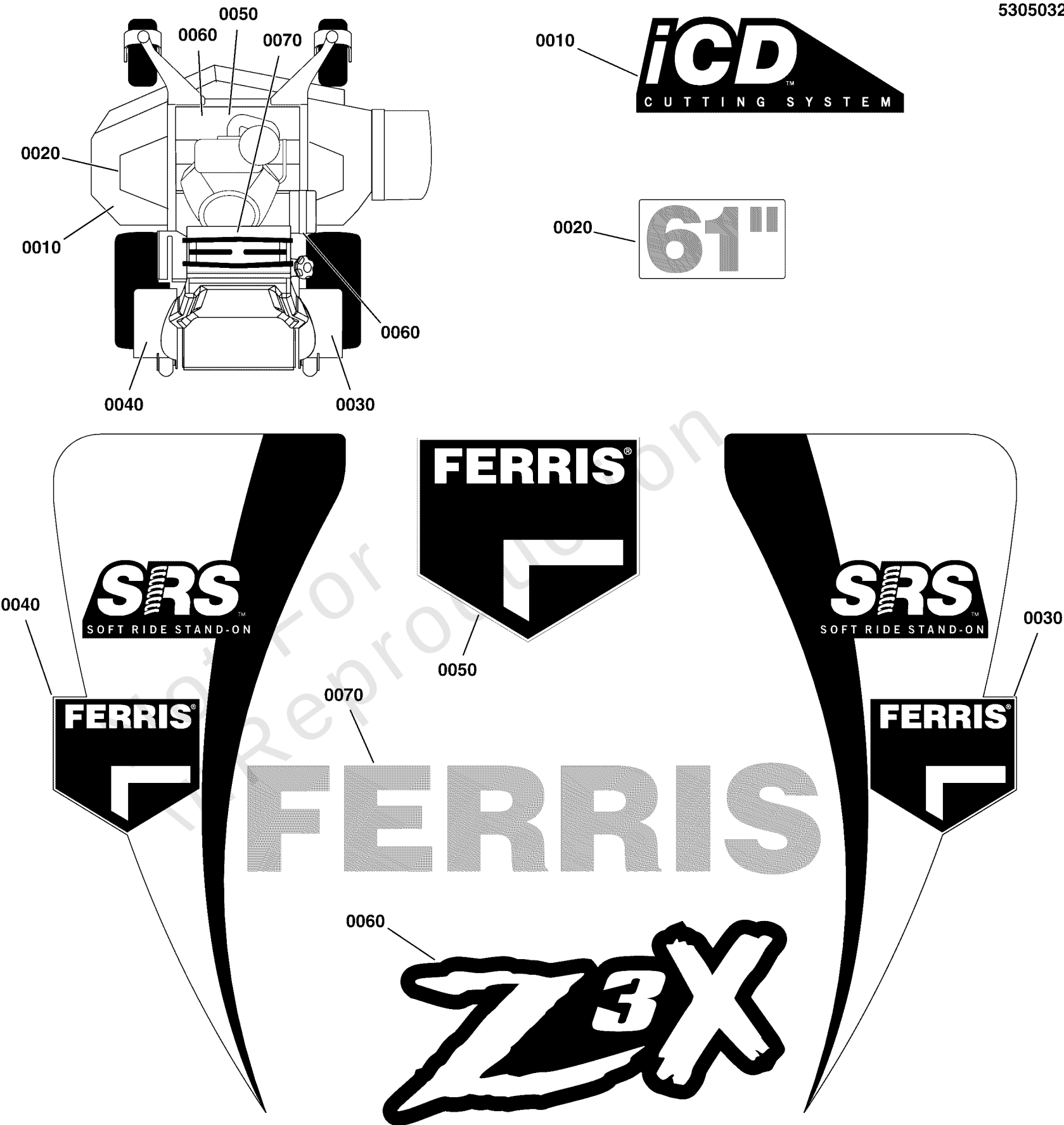
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Decal Group - Brand & Model - Models w/ 61" Mower Decks

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305032



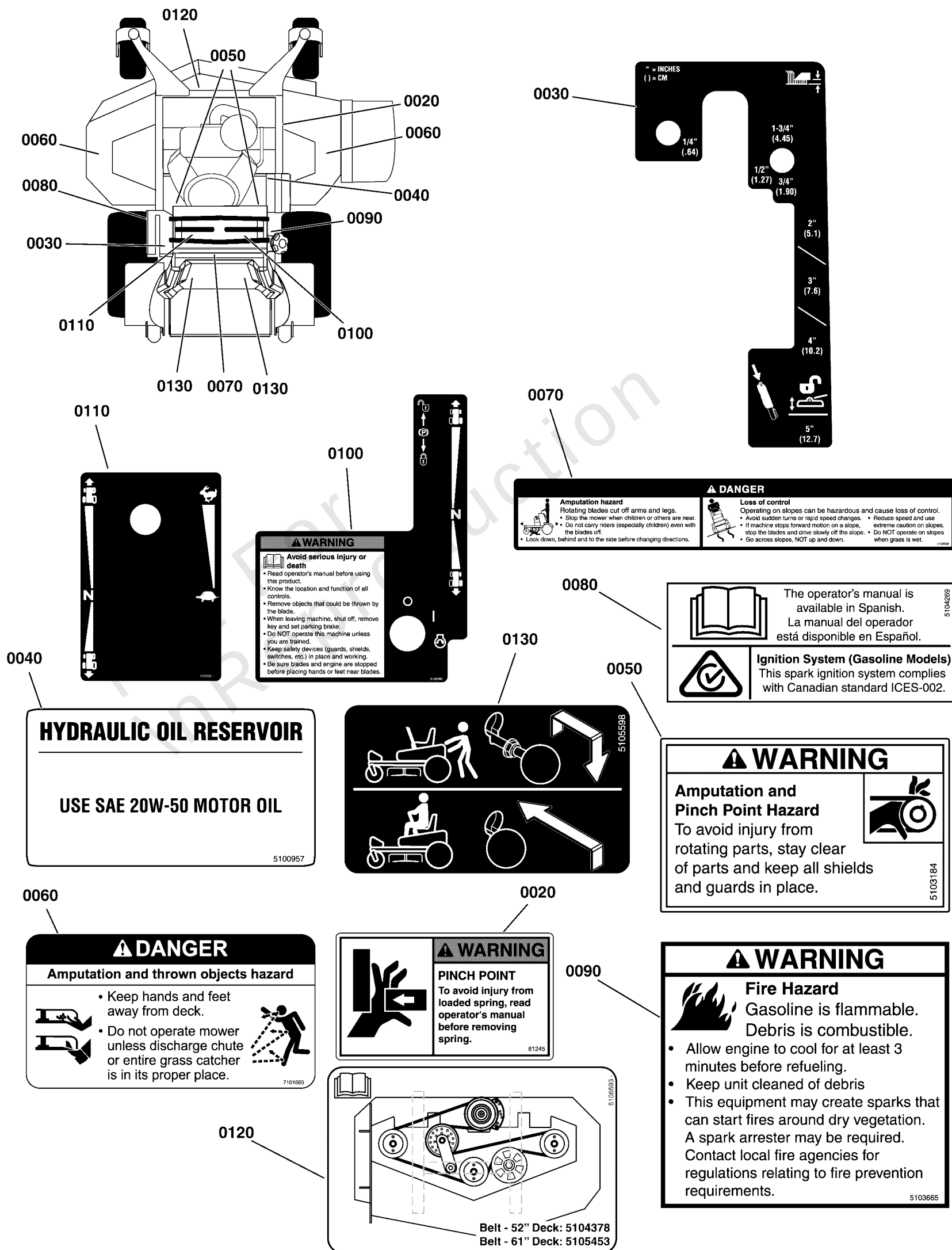
Decal Group - Brand & Model - Models w/ 61" Mower Decks

REF NO	PART NO	QTY	DESCRIPTION
0010	5102210	1	DECAL, iCD CUTTING SYSTEM
0020	5022813	1	DECAL, 61"
0030	5105150	1	DECAL, FENDER, SRSZ1 / Z2, RH
0040	5105151	1	DECAL, FENDER, SRSZ1 / Z2, LH
0050	5104724	1	DECAL, FERRIS LOGO, MEDIUM
0060	5105633	2	DECAL, MODEL, SRSZ3X
0070	5103799	1	DECAL, FERRIS LETTERS, 2.23 X 11.39

Decal Group - Safety & Operation - Models w/ 61" Mower Decks

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691



Decal Group - Safety & Operation - Models w/ 61" Mower Decks

REF NO	PART NO	QTY	DESCRIPTION
0020	5061245	2	DECAL, Pinch Point
0030	5104637	1	DECAL, DECK HEIGHT, STAND-ON
0040	5100957	1	DECAL, HYDRAULIC OIL, SAE 20W50 -(Located on battery box mount.)
0050	5103184	2	DECAL, WARNING, HAND IN BELT, ENG ONLY -(Located on engine deck by transmission fans.)
0060	7101665	2	DECAL, DANGER DO NOT OPERATE W/O DEFLECT
0070	5104636	1	DECAL, DANGER, STAND-ON
0080	5104269	1	DECAL, SPANISH MANUAL, IGES, C-TICK -(Located on tower underneath deck lift box.)
0090	5103665	1	DECAL, FIRE HAZARD, 3.25W X 3.0H
0100	5105095	1	DECAL, DASH PANEL, RH, WARNING/CONTROLS
0110	5105081	1	DECAL, DASH PANEL, LH, CONTROLS
0120	5106593	1	DECAL, BELT ROUTING, SRSZ3-52/61
0130	5105598	2	DECAL, TRANSAXLE RELEASE -(Located by transmission release levers.)

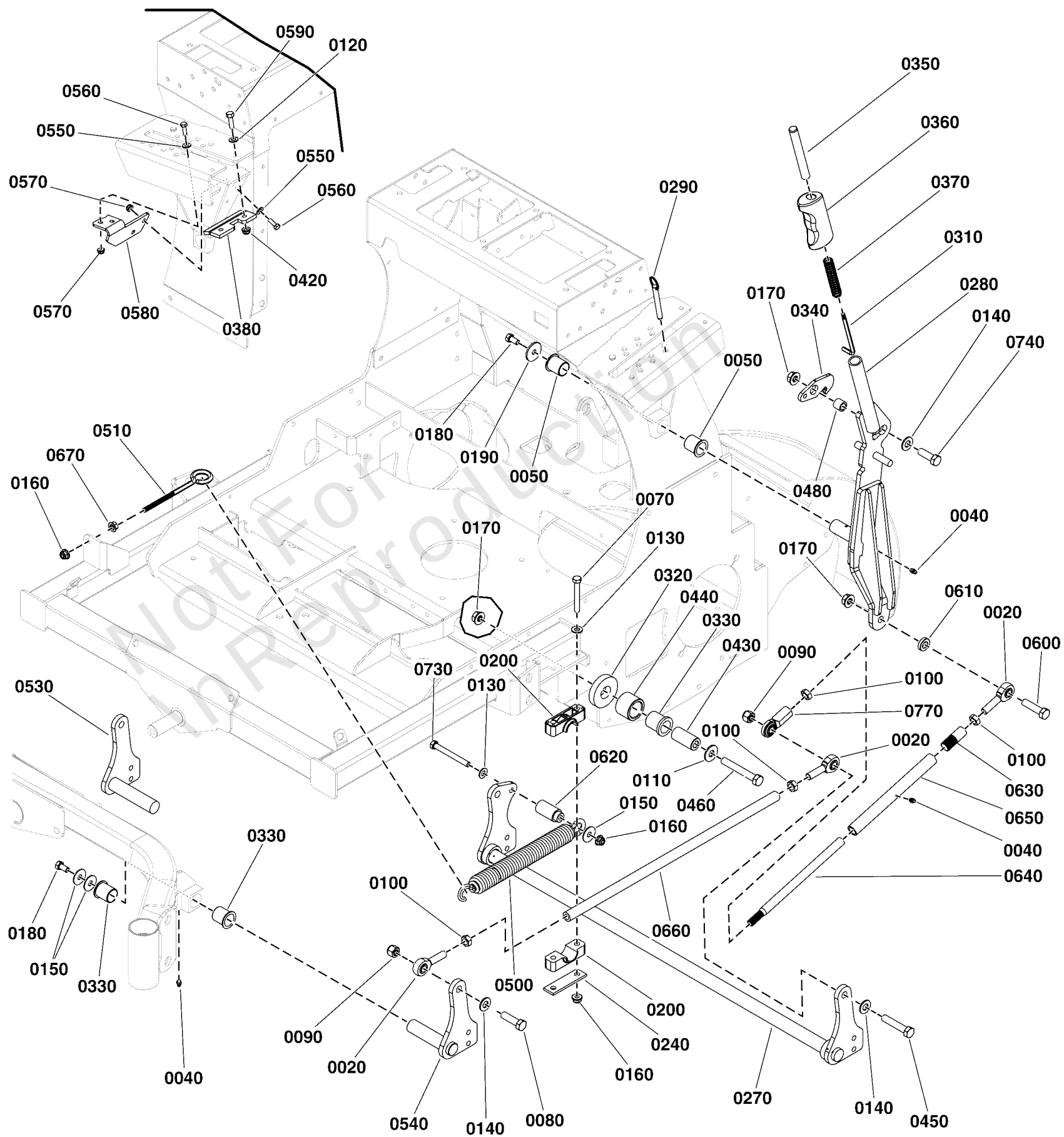
Deck Lift Group - Models w/ 61" Mower Decks

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

**Left Hand Components shown.
Unless otherwise noted Right Hand
Components are identical.**

5305028DR



Deck Lift Group - Models w/ 61" Mower Decks

REF NO	PART NO	QTY	DESCRIPTION
0020	5104267	5	BALL JOINT, 1/2-20, RH, MALE, METAL RACE
0040	5020095	4	GREASE FITTING, 1/4-28 Straight
0050	5023343	2	BUSHING, 1.00 X 1.13 X 1.38, Plastic
0070	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
0080	5025017X14	3	BOLT, 1/2-13 X 1-3/4 GD5 CZ -(Both front and right rear deck lift rod connection points).
0090	5025056	4	NUT, Hex, Nylon Lock, 1/2-13
0100	5025089	6	NUT, 1/2-20 Hex Jam
0110	5025150	2	WASHER, 1/2" USSZ
0120	5025155	2	WASHER, 5/16" SAE
0130	5025156	5	WASHER, 3/8 SAE
0140	5025158	5	WASHER, 1/2 SAE
0150	5025165	5	WASHER, 3/8" Fender
0160	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0170	5025396	4	NUT, Hex Flange, Nylock, 1/2-13
0180	5025443	3	BOLT, 3/8-16 X 3/4, PLT W/PATCH
0190	5100548	1	WASHER, .390 X 1.50 X .109, YZ
0200	5100634	4	PIVOT BLOCK, PLASTIC
0240	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
0270	5415156A	1	WELD, SHAFT, DECK LIFT, SRSZ3 - BLK
0280	5415106A	1	WELD, DECK LIFT LEVER, SRSZ3 - BLK
0290	5104610	1	PIN, HITCH, 3/8" DIA X 2.5" EL, CZ
0310	5105322	1	ROD, DECK LIFT LATCH
0320	5061010	2	WASHER, FRICTION
0330	5021541	6	BUSHING, FLANGE
0340	5414040A	1	PLATE, LATCH, PUSH BUTTON LIFT - BLK
0350	5105323	1	BUTTON, PUSH, DECK LIFT, THREADED
0360	1722291	1	GRIP, LIFT LEVER
0370	1723321	1	SPRING-COMP 0.715ODX 03.85 LG
0380	5414171A	1	PLATE, LATCH GUIDE - BLK
0420	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0430	5100732	2	SPACER, .52 X 1.00 X 2.09 - SS
0440	5100731	2	ROLLER, DECK HEIGHT
0450	5025017X20	1	BOLT, 1/2-13 X 2-1/2" GD5 CZ
0460	5025017X28	2	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
0480	5048049	1	SPACER, .50 X .75 X .66, CZ
0500	5023392	1	SPRING-EXT, 1.393 ODX13.25LGX.218WR, BLK
0510	5102118	1	EYE BOLT, 3/8-16 X 6-7/8, 1" EYE ZP
0530	5416109A	1	WELD, PIVOT, RH - BLK
0540	5416108A	1	WELD, PIVOT, LH - BLK
0550	5025154	4	WASHER, 1/4 SAE
0560	5025010X6	4	BOLT, 1/4"-20 X 3/4" GD5 YZ
0570	5025391	4	NUT, 1/4-20 Hex Nylock Flange
0580	5414118AA	1	PLATE, BRACKET, DECK LIFT SUPPORT - BLK
0590	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
0600	5025017X16	1	BOLT, 1/2-13 X 2" GD5 CZ
0610	5101376	1	SPACER, .52 X 1.00 X .25, CZ
0620	5105586	1	SPACER, STEP, .390 X 1.00 X 2.13, CZ
0630	5105653	1	ROD, .88 X 1.50, THREADED, CZ
0640	5105654	1	ROD, .63 X 10.00, THREADED W/FLATS, CZ
0650	5105655	1	TUBE, .641 X .88OD X 8.75, THREADED, CZ

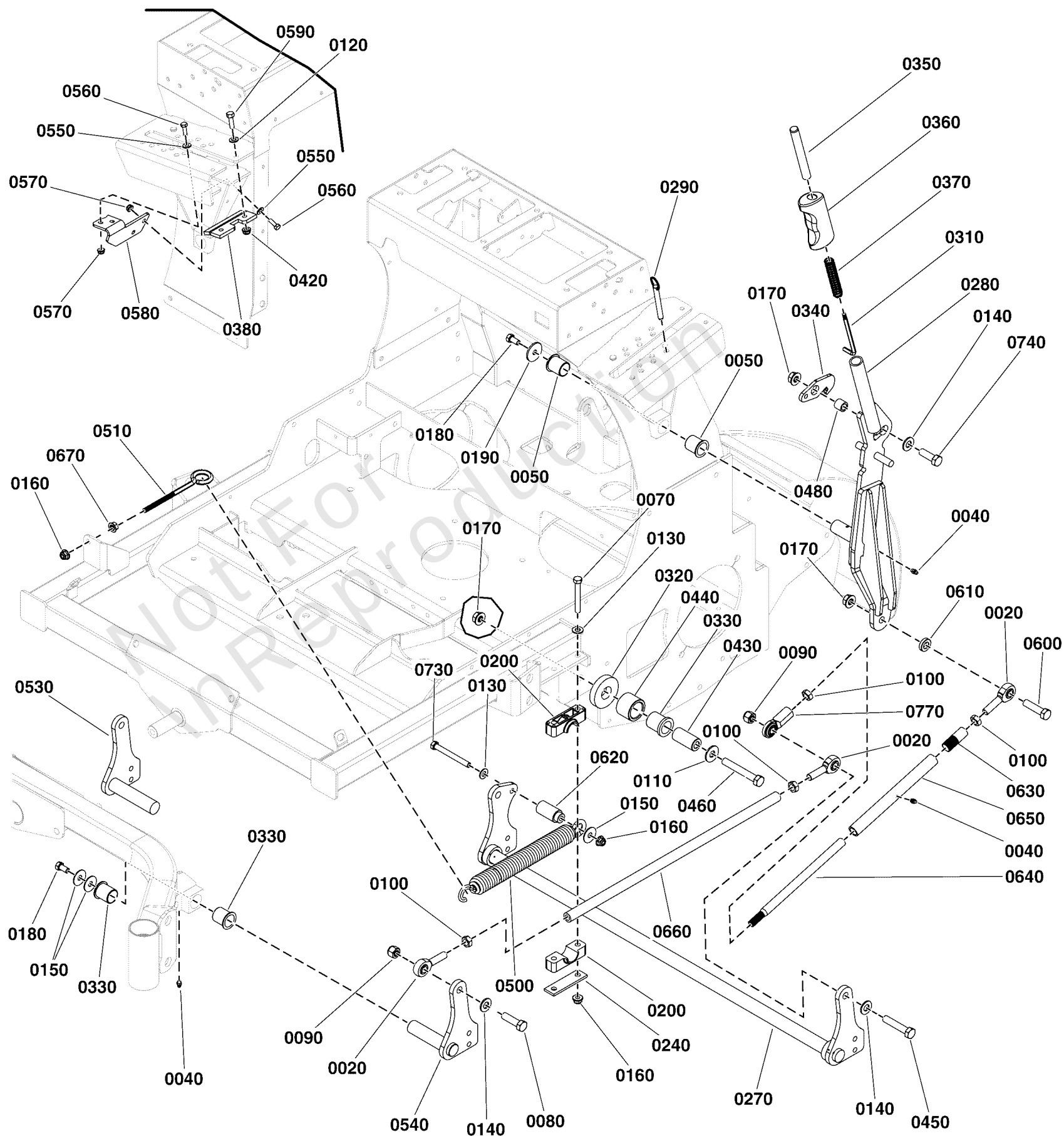
Deck Lift Group - Models w/ 61" Mower Decks

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

Left Hand Components shown.
Unless otherwise noted Right Hand
Components are identical.

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Deck Lift Group - Models w/ 61" Mower Decks

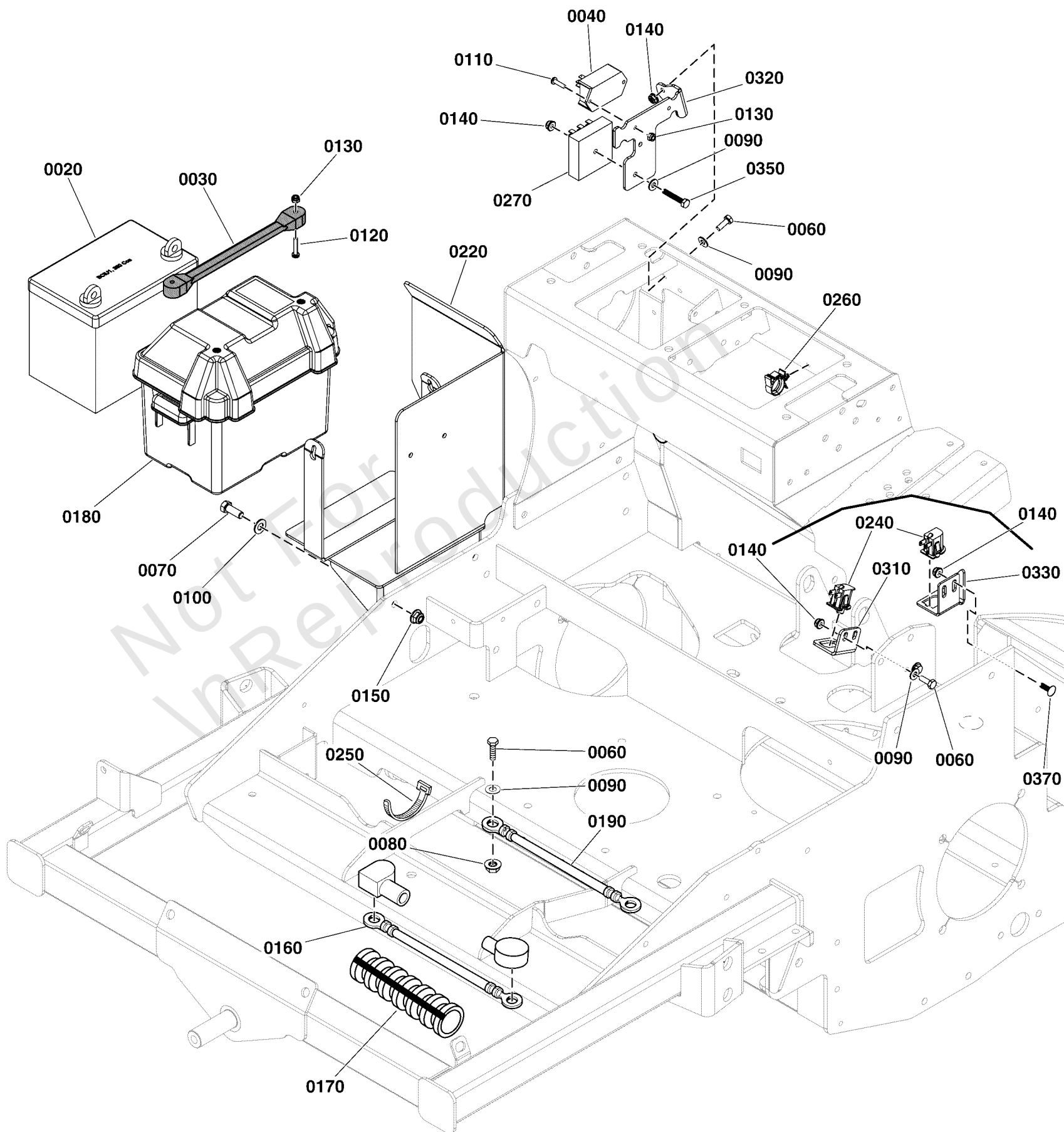
REF NO	PART NO	QTY	DESCRIPTION
0660	5105269	2	ROD, .75 X 22.00" TAPPED 1/2-20
0670	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange
0730	5025013X28	1	BOLT, 3/8-16 X 3-1/2" GD5 CZ
0740	5025017X12	1	BOLT, 1/2-13 X 1-1/2 GD5 CZ
0770	1702779	1	JOINT-BALL .500-20 THD .500ID, CLR ZINC

Not For InReproduction

Electrical Group S/N: 2017890934 & Below

Note: Unless noted otherwise, use the standard torque specifications

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0210 - WIRE HARNESS, STANDON, WIRING

0280 - WIRE HARNESS, JUMPER, KAWASAKI EFI

0340 - WIRE HARNESS JUMPER, BRAKE SWITCH

Electrical Group S/N: 2017890934 & Below

REF NO	PART NO	QTY	DESCRIPTION
0020	-----	1	BATTERY, WET (BCIU1, 340 CCA) -(Refer to Note: *)
0030	5021670	1	STRAP, RUBBER
0040	5104879	1	MODULE, TIME DELAY, NO DIODE
0060	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
0070	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
0080	5025126	2	NUT, Hex, Serrated Flange, 1/4-20
0090	5025154	3	WASHER, 1/4 SAE
0100	5025156	2	WASHER, 3/8 SAE
0110	5025179X6	2	SCREW, #10-24 X 3/4" ROUND PHILLIPS
0120	5025270	2	MACHINE SCREW, Truss Head #10-24 x 1
0130	5025271	4	NUT, Hex, Nylon Lock, #10-24
0140	5025391	6	NUT, 1/4-20 Hex Nylock Flange
0150	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0160	5021542	1	BATTERY CABLE, POS, 30, 1/4-5/16
0170	5050927X19	1	WIRE LOOM, 3/8 ID X 19 IN
0180	5100688	1	BATTERY BOX, W/ DRAIN HOLE
0190	5101396	1	CABLE, BATTERY, NEG, 30, 1/4-5/16
0210	5105537	1	HARNESS, Wiring, Stand-On ZTR
0220	5416573B	1	WELD, BATTERY/HYDRO MNT, SRS - RED
0240	1704379	2	SWITCH-PUSH BUTTON OP PRES BLACK SNAP IN
0250	5021029	3	TIE, SELF-LOCKING, 12"
0260	5104705	5	ROSEBUD LOOM CLIP
0270	5102075	1	MODULE, THROTTLE CONTROL, KAV DFI
0280	5105601	1	HARNESS, JUMPER, KAWASKI EFI
0310	5416656A	1	PLATE, BRAKE SWITCH, Z3 - BLK
0320	5415790A	1	PLATE, WIRE GUIDE / TDM MOUNT, EFI - BLK
0330	5414289A	1	PLATE, OPC, STAND ON - BLK
0340	5416834	1	HARNESS, JUMPER, BRAKE SWITCH
0350	5025010X12	1	BOLT, 1/4-20 X 1-1/2 GD5 CZ
0370	80003518	2	BOLT,1/4-20X0.750,GR5,STD NECK,SQ,ZC/CL

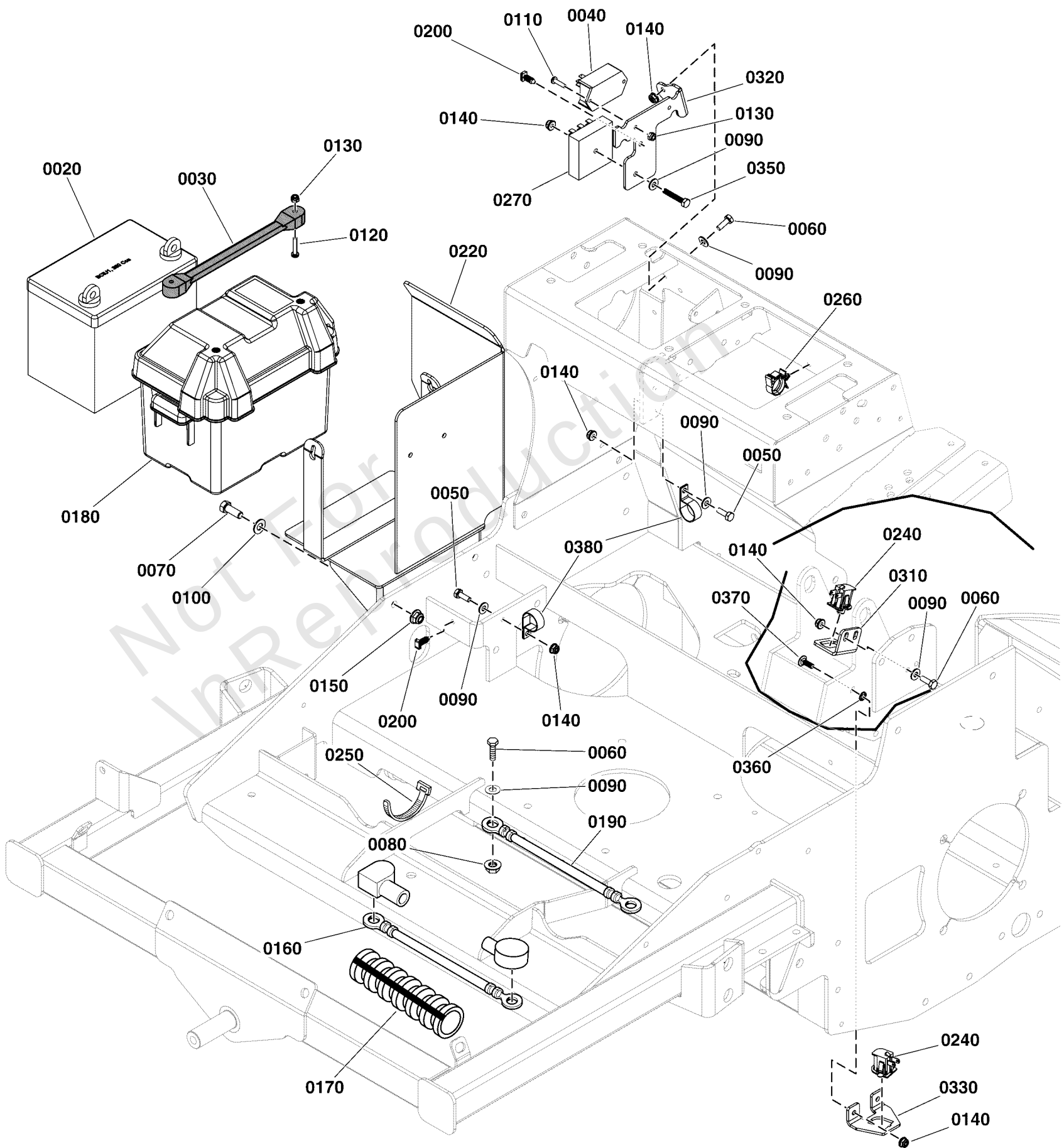
Footnotes:

Note: *Not for sale. Obtain locally.

Electrical Group S/N: 2017890935 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691



0210 - WIRE HARNESS, STANDON, WIRING

0280 - WIRE HARNESS, JUMPER, KAWASAKI EFI

0340 - WIRE HARNESS JUMPER, BRAKE SWITCH

Electrical Group S/N: 2017890935 & Above

REF NO	PART NO	QTY	DESCRIPTION
0020	-----	1	BATTERY, WET (BCIU1, 340 CCA) -(Refer to Note: *)
0030	5021670	1	STRAP, RUBBER
0040	5104879	1	MODULE, TIME DELAY, NO DIODE
0050	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
0060	5025010X8	5	BOLT, 1/4-20 X 1" GD5 CZ
0070	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
0080	5025126	2	NUT, Hex, Serrated Flange, 1/4-20
0090	5025154	3	WASHER, 1/4 SAE
0100	5025156	2	WASHER, 3/8 SAE
0110	5025179X6	2	SCREW, #10-24 X 3/4" ROUND PHILLIPS
0120	5025270	2	MACHINE SCREW, Truss Head #10-24 x 1
0130	5025271	4	NUT, Hex, Nylon Lock, #10-24
0140	5025391	6	NUT, 1/4-20 Hex Nylock Flange
0150	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0160	5021542	1	BATTERY CABLE, POS, 30, 1/4-5/16
0170	5050927X19	1	WIRE LOOM, 3/8 ID X 19 IN
0180	5100688	1	BATTERY BOX, W/ DRAIN HOLE
0190	5101396	1	CABLE, BATTERY, NEG, 30, 1/4-5/16
0200	5103761	1	FIR TREE MOUNT, PACKARD -(Secures sealed fuse holders in place.)
0210	5105537	1	HARNESS, Wiring, Stand-On ZTR
0220	5416573B	1	WELD, BATTERY/HYDRO MNT, SRS - RED
0240	1732004	2	SWITCH, Push Button, NO, Black
0250	5021029	3	TIE, SELF-LOCKING, 12"
0260	5104705	5	ROSEBUD LOOM CLIP
0270	5102075	1	MODULE, THROTTLE CONTROL, KAV DFI
0280	5105601	1	HARNESS, JUMPER, KAWASKI EFI
0310	5416656A	1	PLATE, BRAKE SWITCH, Z3 - BLK
0320	5415790A	1	PLATE, WIRE GUIDE / TDM MOUNT, EFI - BLK
0330	5105692	1	PLATE, SWITCH, OPC, SRSZ, CZ
0340	5416834	1	HARNESS, JUMPER, BRAKE SWITCH
0350	5025010X12	1	BOLT, 1/4-20 X 1-1/2 GD5 CZ
0360	80004801	2	BOLT,1/4,PUSHNUT RETAINER,PHOSPHATE/OIL
0370	80003518	2	BOLT,1/4-20X0.750,GR5,STD NECK,SQ,ZC/CL
0380	5021500	2	CLAMP, VINYL INSULATED, 1.00

Footnotes:

Note: *Not for sale. Obtain locally.

Electrical Schematic - Charging Circuit Kawasaki FX850V EFI

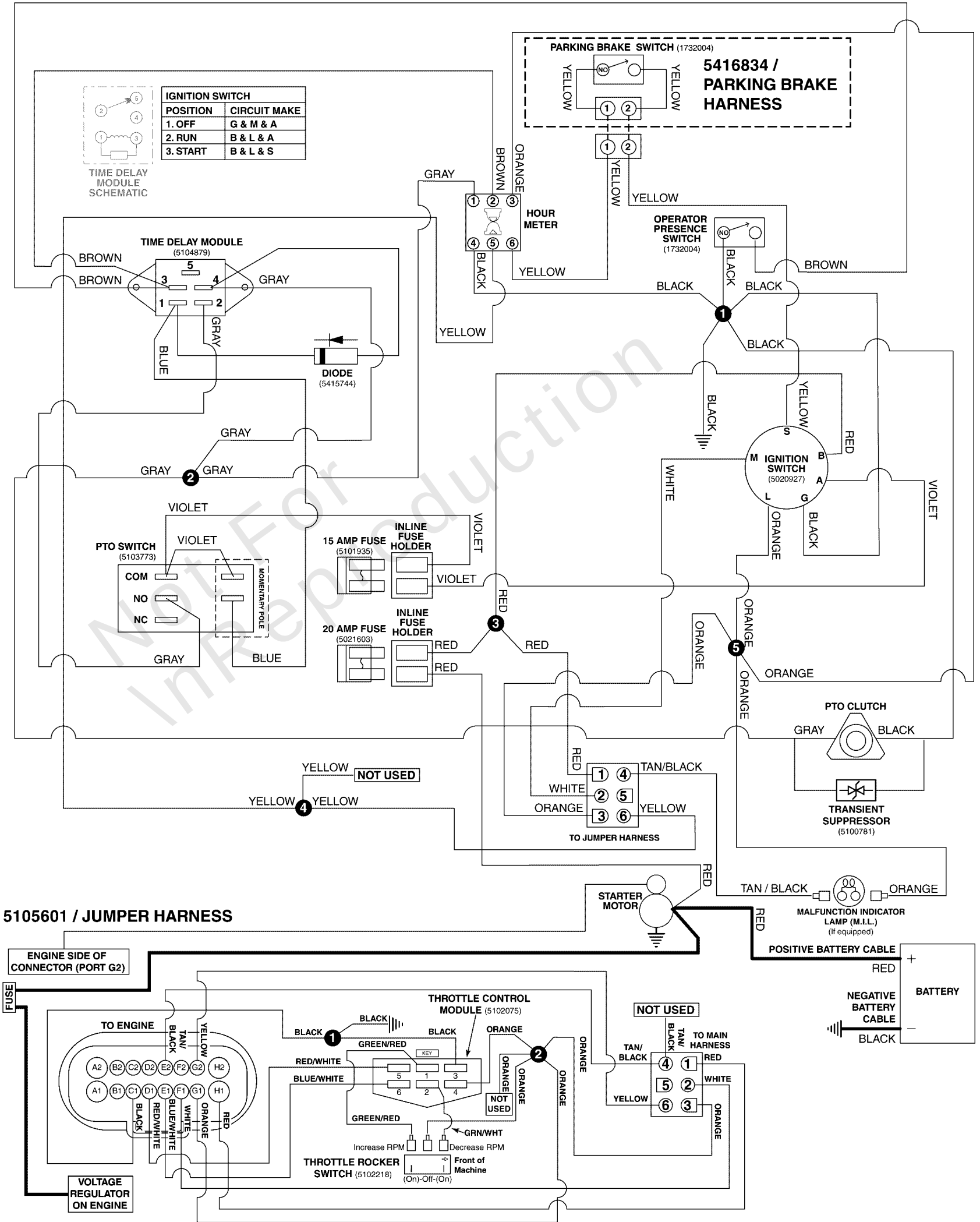
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5105537 / SRS MAIN WIRE HARNESS - KAWASAKI FX850V EFI ENGINES

5105537B

(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 Kawasaki FX850V EFI

REF NO	PART NO	QTY	DESCRIPTION
5105537	5105537	1	HARNESS, Wiring, Stand-On ZTR
5416834	5416834	1	HARNESS, JUMPER, BRAKE SWITCH
5105601	5105601	1	HARNESS, JUMPER, KAWASKI EFI

Not For In Reproduction

Electrical Schematic - Cranking Circuit Kawasaki FX850V EFI

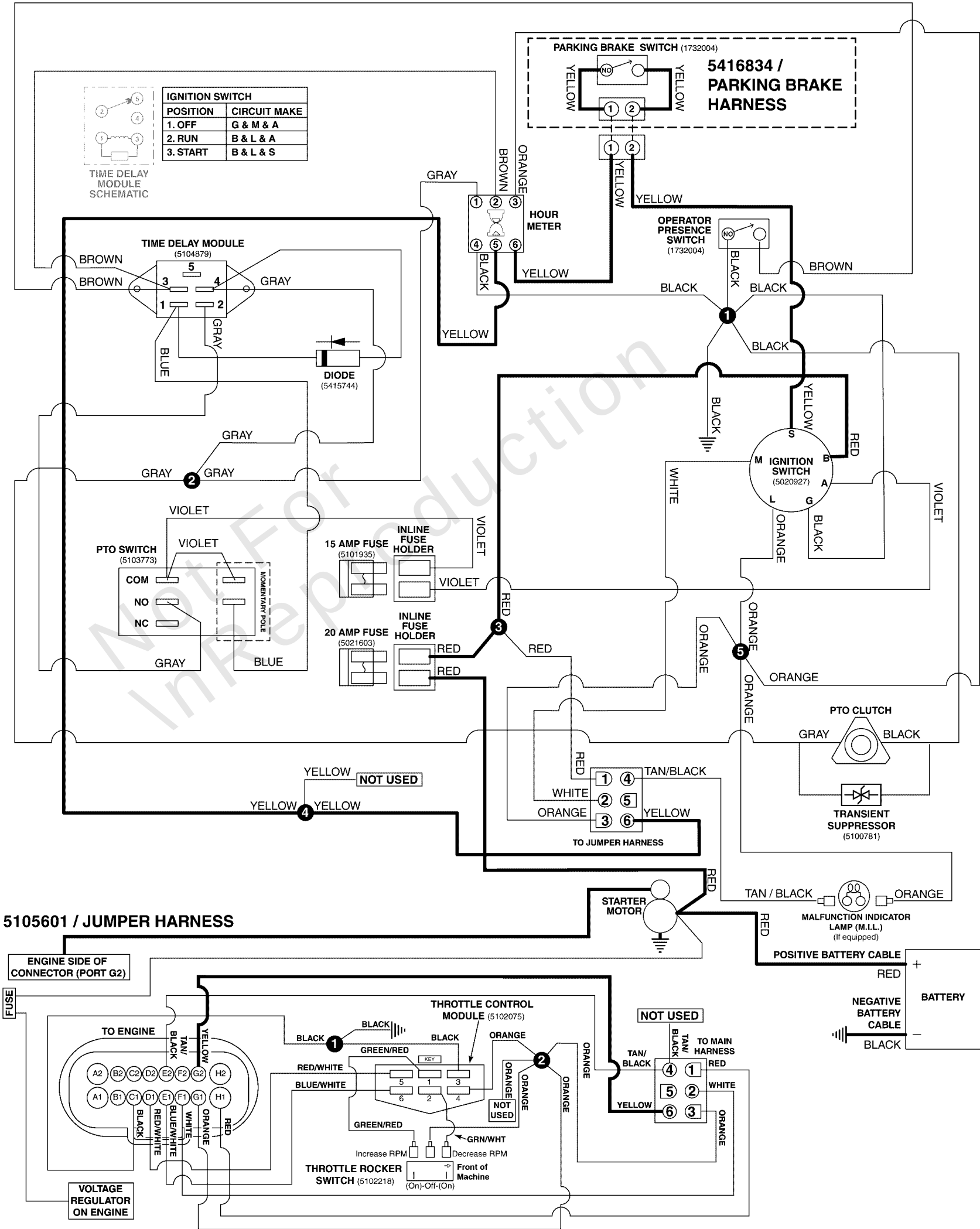
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5105537 / SRS MAIN WIRE HARNESS - KAWASAKI FX850V EFI ENGINES

5105537B

(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 - Cranking Circuit Kawasaki FX850V EFI

REF NO	PART NO	QTY	DESCRIPTION
5105537	5105537	1	HARNESS, Wiring, Stand-On ZTR
5416834	5416834	1	HARNESS, JUMPER, BRAKE SWITCH
5105601	5105601	1	HARNESS, JUMPER, KAWASKI EFI

Not For In Reproduction

Electrical Schematic - Ignition Grounding Circuit Kawasaki FX850V EFI

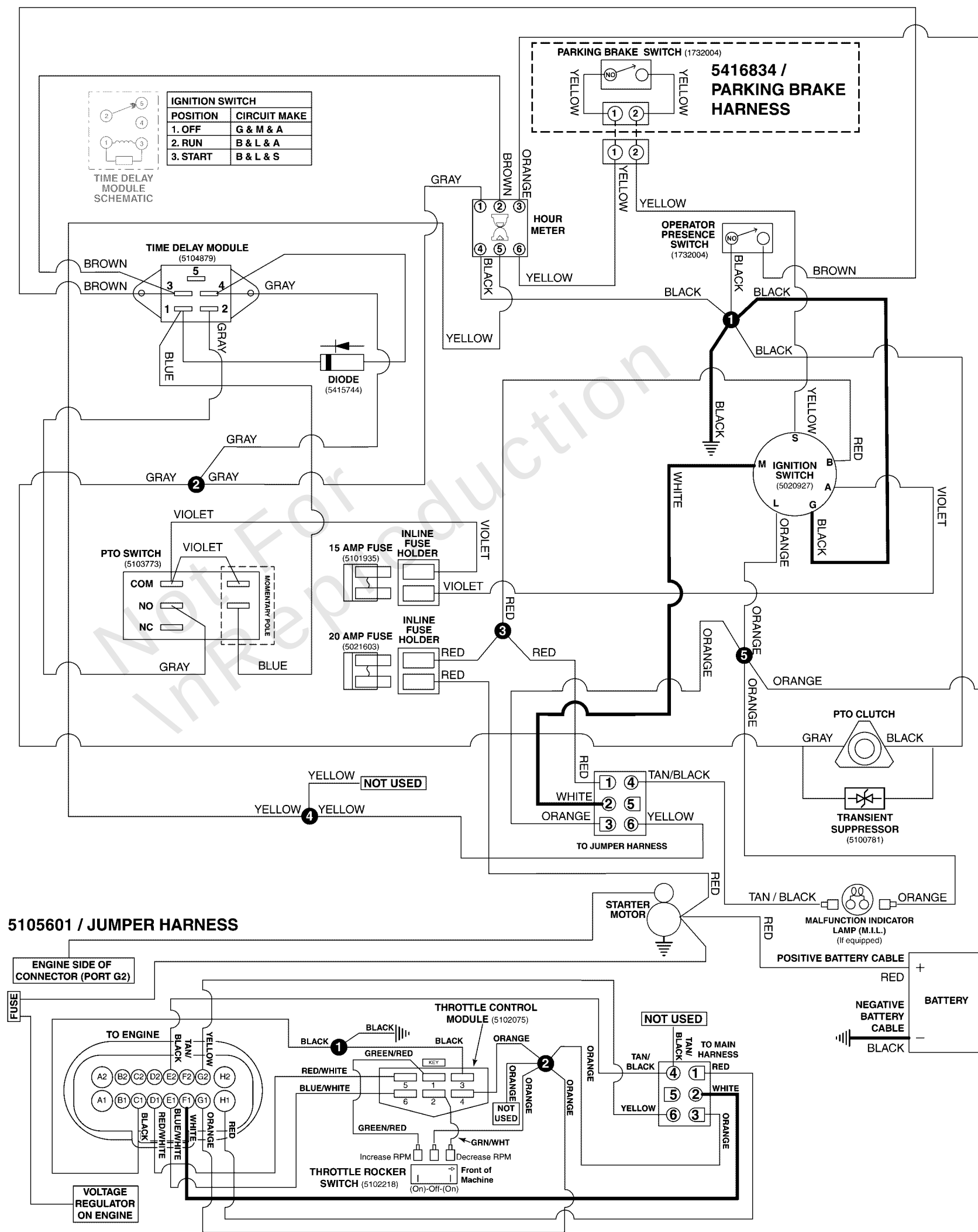
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5105537 / SRS MAIN WIRE HARNESS - KAWASAKI FX850V EFI 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.)

5105537B



Electrical Schematic - Ignition Grounding Circuit Kawasaki FX850V EFI

REF NO	PART NO	QTY	DESCRIPTION
5105537	5105537	1	HARNESS, Wiring, Stand-On ZTR
5416834	5416834	1	HARNESS, JUMPER, BRAKE SWITCH
5105601	5105601	1	HARNESS, JUMPER, KAWASKI EFI

Not For In Reproduction

Electrical Schematic - PTO Op. Pres. Circuit Kawasaki FX850V EFI

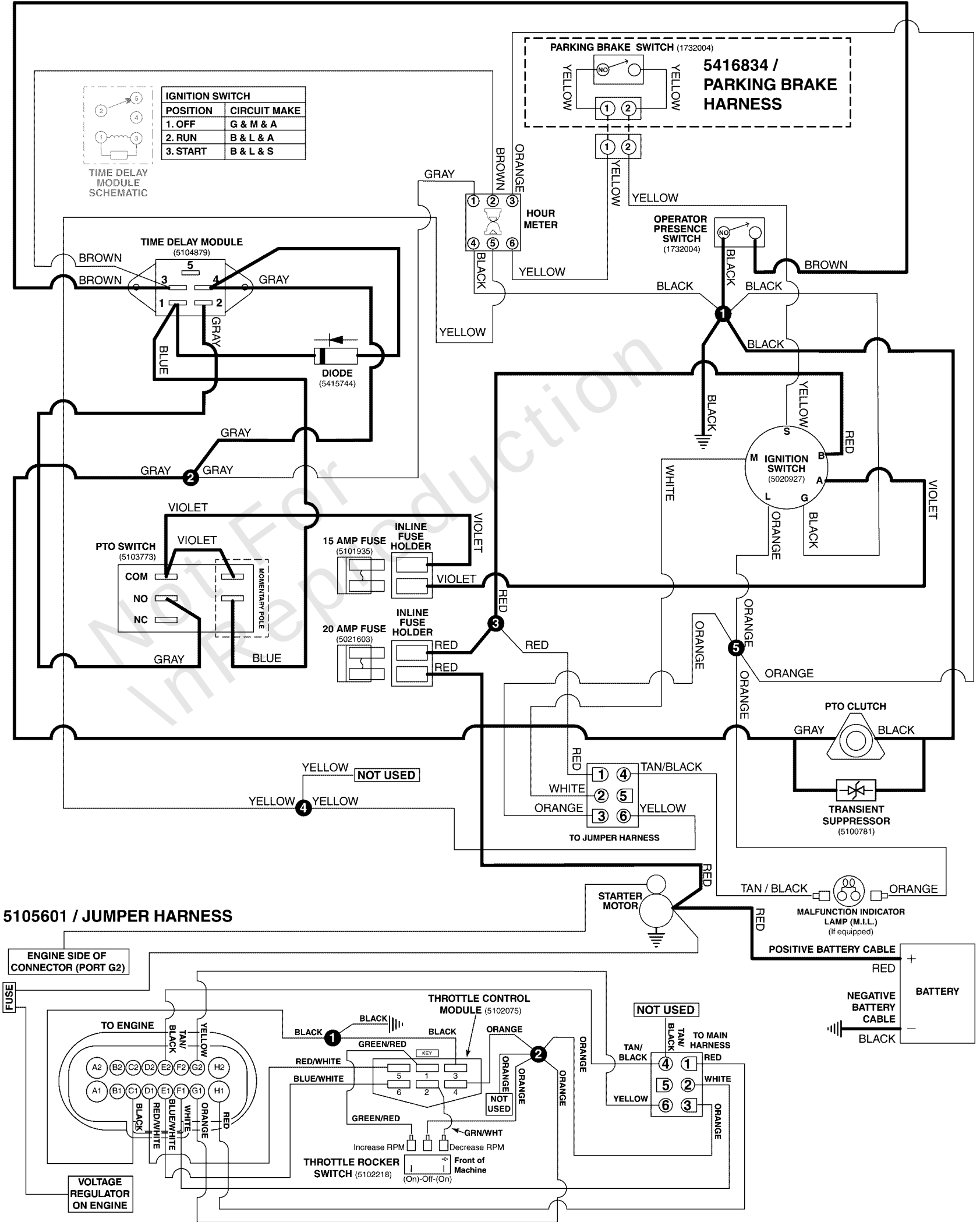
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5105537 / SRS MAIN WIRE HARNESS - KAWASAKI FX850V EFI ENGINES

5105537B

(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 Op. Pres. Circuit Kawasaki FX850V EFI

REF NO	PART NO	QTY	DESCRIPTION
5105537	5105537	1	HARNESS, Wiring, Stand-On ZTR
5416834	5416834	1	HARNESS, JUMPER, BRAKE SWITCH
5105601	5105601	1	HARNESS, JUMPER, KAWASKI EFI

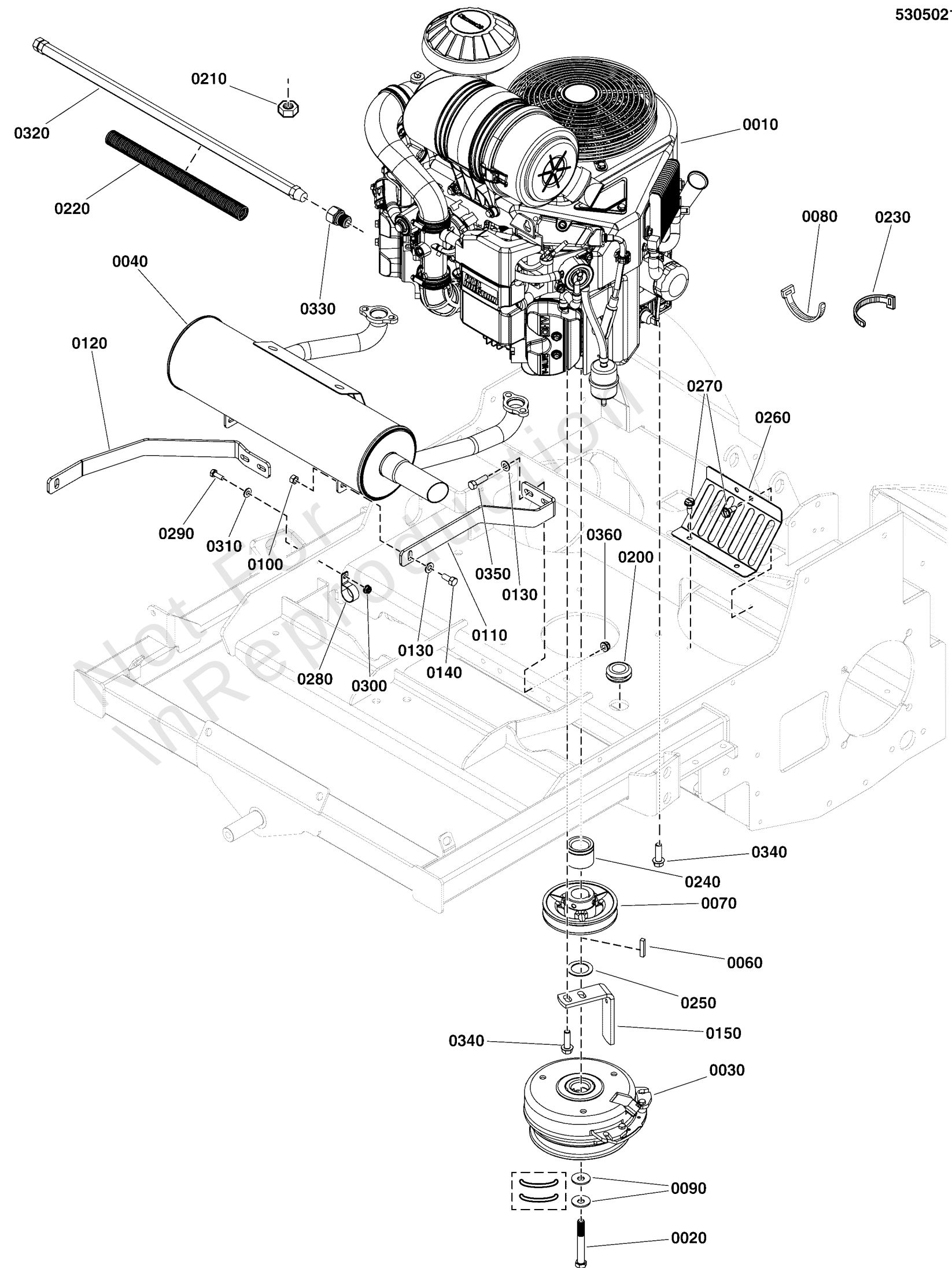
Not For InReproduction

Engine & PTO Group - Kawasaki FX Models

Note: Unless noted otherwise, use the standard torque specifications

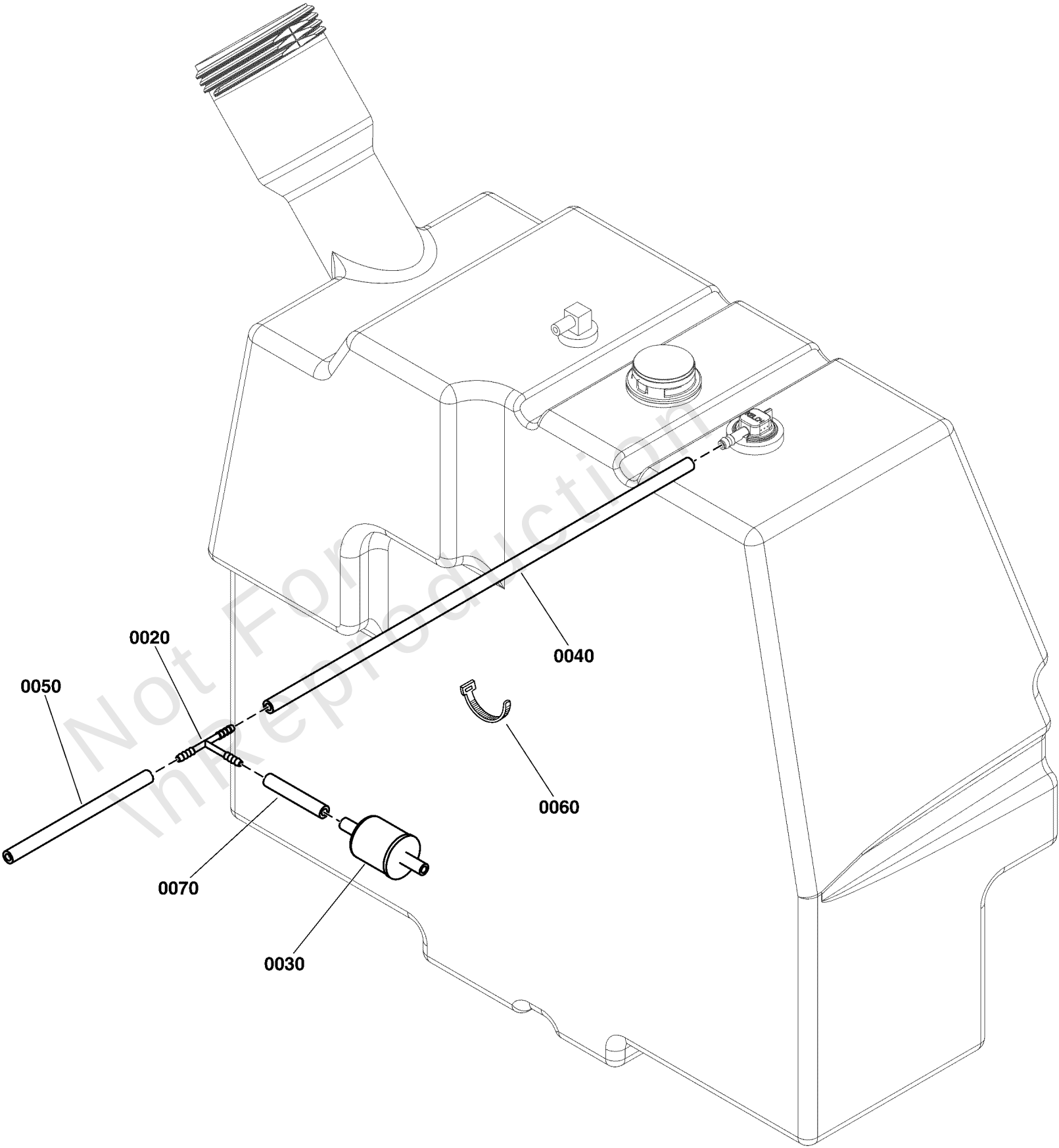
Mfg. No: 5901691

5305021



Engine & PTO Group - Kawasaki FX Models

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	ENGINE, KAWASAKI, EFI (FX850 -AS42-S)
0020	5103300	1	BOLT, CRANKSHAFT, 7/16-20 X 3-1/4, GD 8 -(Torque clutch bolt to 65 ft. lbs (88 Nm))
0030	5104405	1	CLUTCH, WARNER, 250 ft lbs - 1.13"
0040	5105326	1	MUFFLER, 30 HP KAWASAKI, SRSZ3
0060	5050407X10	1	KEY, 1/4" SQ. X 1-1/4
0070	5021682	1	PULLEY, 4.75 OD X 1-1/8 BORE, BC-48
0080	5101492	1	TIE, SELF-LOCKING, 24"
0090	5025585	2	BELLEVILLE WASHER, 1.1875 X .442 X .098
0100	80003675	2	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0110	5416110A	1	PLATE, EXHAUST BRACKET LH - BLK
0120	5416111A	1	PLATE, EXHAUST BRACKET RH - BLK
0130	5025155	6	WASHER, 5/16" SAE
0140	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
0150	5404967A	1	ANCHOR, CLUTCH - BLK
0200	5103944	1	GROMMET, 7/8"ID, 1/4" THICK STK
0210	5025536	1	NUT, HEX, M8-1.25, CZ, GD 8.8
0220	5050862X12	1	WIRE LOOM, 3/4 ID X 12 IN
0230	5021030	2	TIE, SELF-LOCKING, 6"
0240	5100926	1	SPACER, 1.13 X 1.75 X 1.35, CZ
0250	5102271	1	SHIM, .062 THK X 1-1/8 ID X 1-5/8 OD
0260	5416571B	1	PLATE, FAN GUARD - RED
0270	5025059X6	3	BOLT, 5/16-18 X 3/4", SELF-TAPPING
0280	5021500	1	CLAMP, VINYL INSULATED, 1.00
0290	5025010X6	1	BOLT, 1/4"-20 X 3/4" GD5 YZ
0300	5025391	1	NUT, 1/4-20 Hex Nylock Flange
0310	5025154	1	WASHER, 1/4 SAE
0320	5105630	1	HOSE, OIL DRAIN, 24"
0330	5022234	1	ADAPTER, Oil Drain
0340	5025532	4	BOLT, HEX FLG, SER, GD5 3/8-16 X 1-1/4" PACH CZ -(Torque engine mount bolts to 17 ft. lbs (23 Nm))
0350	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
0360	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE NUT



Evap Group

REF NO	PART NO	QTY	DESCRIPTION
0020	5103062	1	FITTING, 3/16" TEE, BARB TYPE, HDPE
0030	80025019	1	FILTER, FUEL
0040	7700552X15	1	HOSE, VAPOR, 5MM ID, 15.00 LG
0050	7700552X5	1	HOSE, VAPOR, 5MM ID, 5.00 LG
0060	5021030	5	TIE, SELF-LOCKING, 6"
0070	7700552X2	1	HOSE, VAPOR, 5MM ID, 2.00 LG

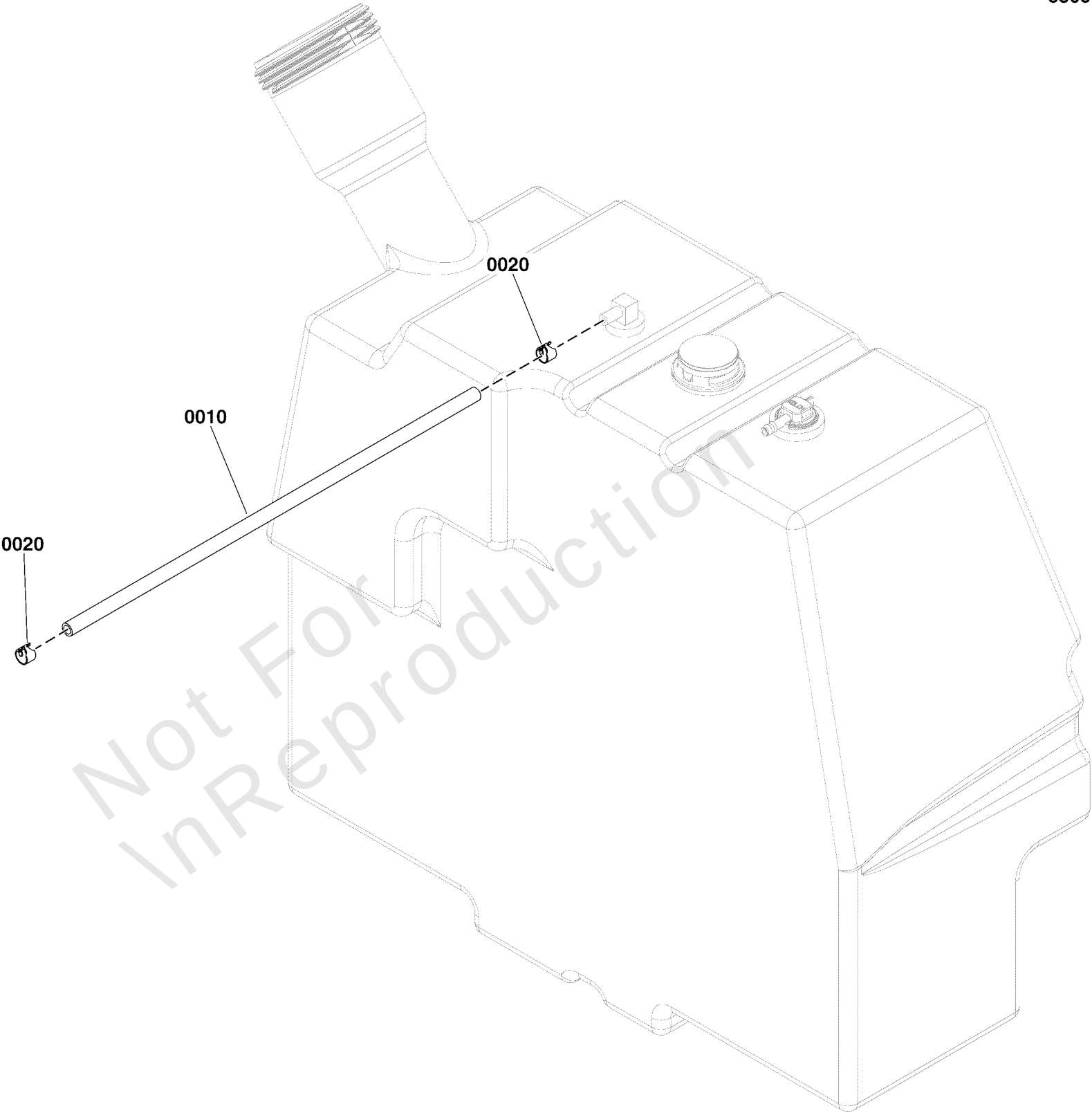
Not For InReproduction

Fuel Hose & Supply Group - Models w/ Kawasaki Engine

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305045



Fuel Hose & Supply Group - Models w/ Kawasaki Engine

REF NO	PART NO	QTY	DESCRIPTION
0010	5050831X23	1	HOSE, 1/4" FUEL, 23.00"
0020	93807	2	CLAMP, Hose

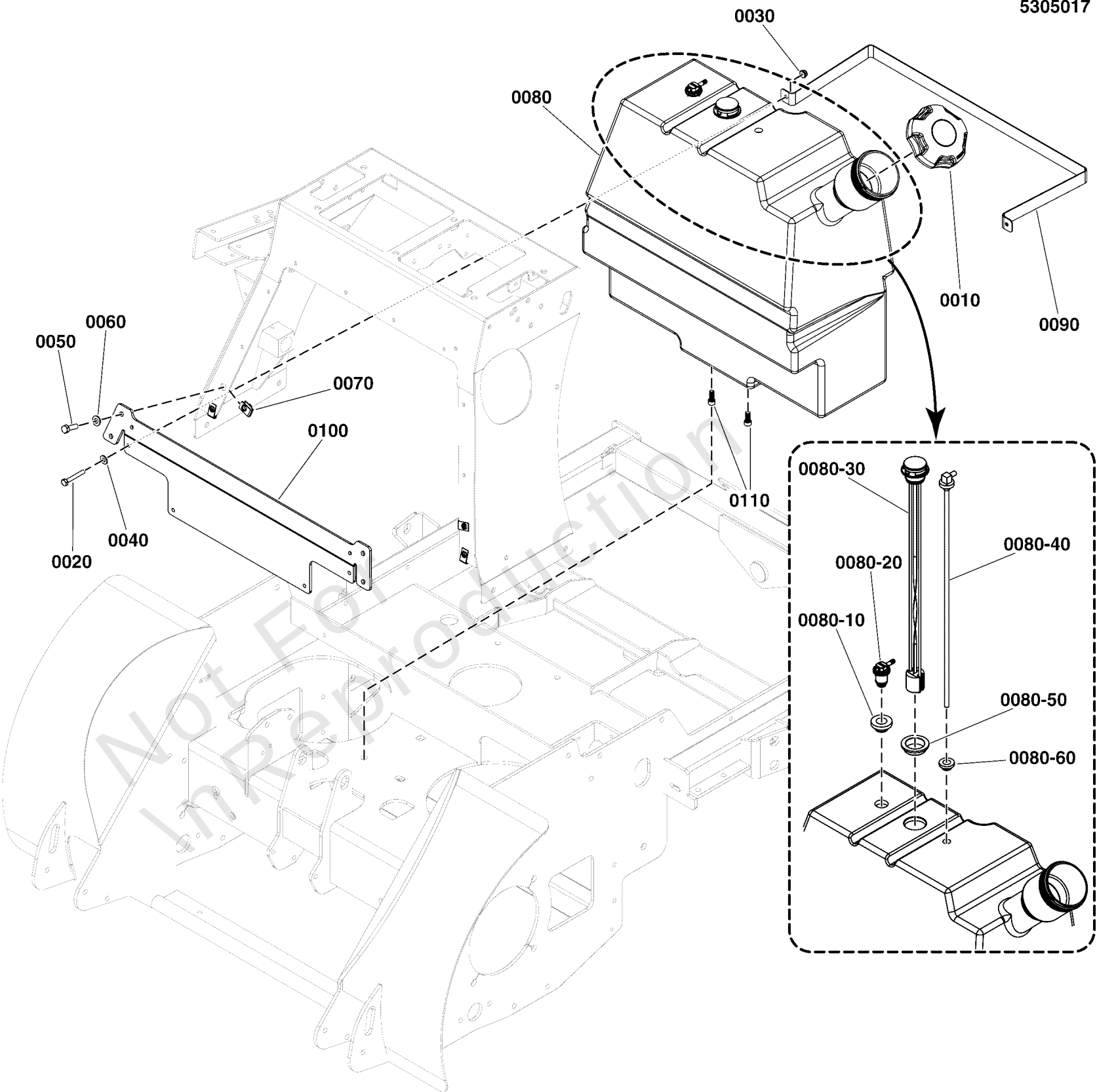
Not For In Reproduction

Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305017



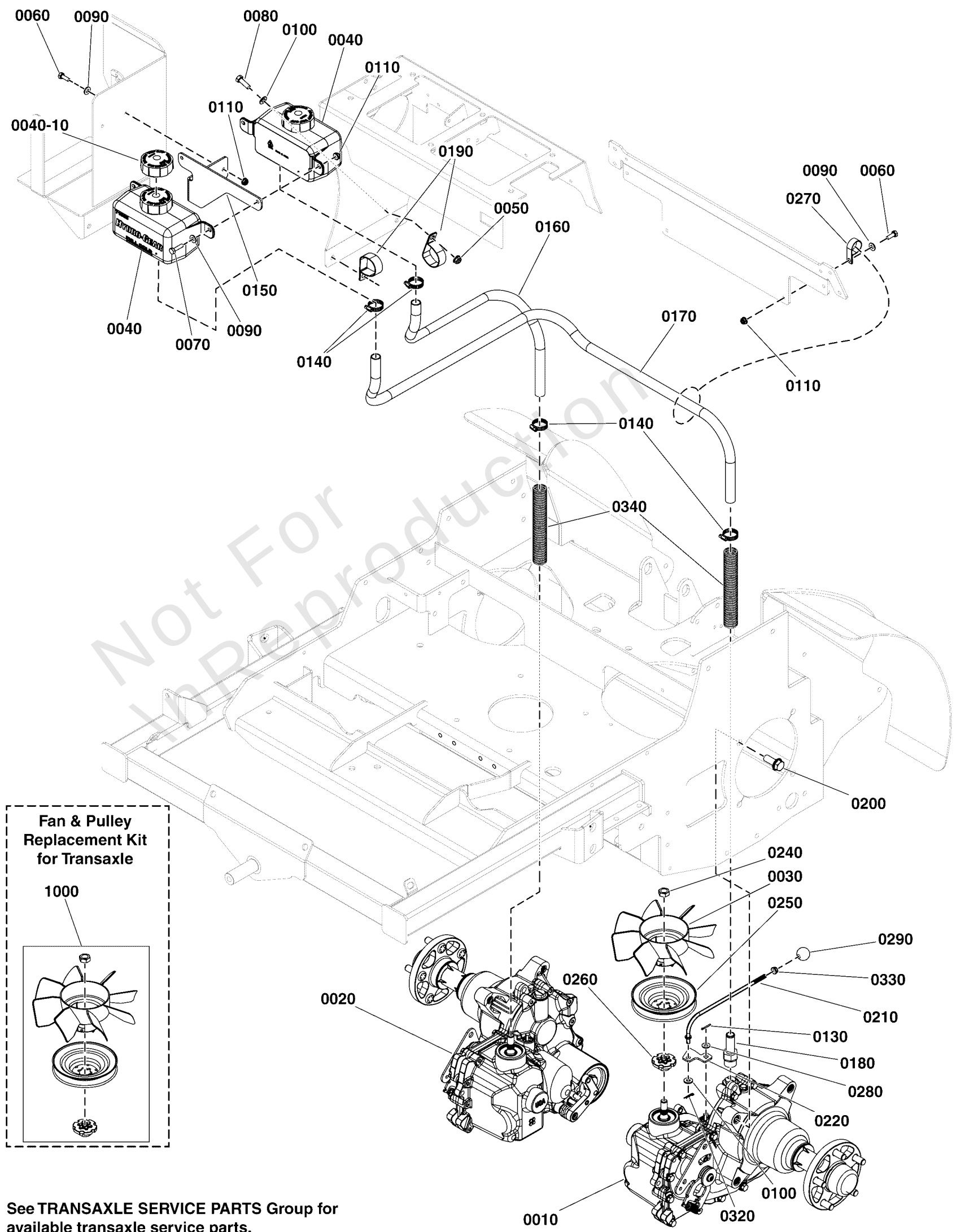
Fuel Tank & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5104686	1	FUEL CAP, 3.25", MANAGED VENT, 16" TETHER
0020	5025010X16	2	BOLT, 1/4-20 X 2", GD5
0030	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0040	5025154	2	WASHER, 1/4 SAE
0050	5025011X9	4	BOLT, 5/16-18 X 1-1/8 GD5 CZ
0060	5025155	4	WASHER, 5/16" SAE
0070	5022308	4	BODY CLIP, 5/16-18 7GA. MATERIAL
0080	5104970	1	TANK, FUEL, SRSZ3 -(Includes Components 0080-10, 0080-20, 0080-30, 0080-40, 0080-50 & 0080-60)
0080-10	209043	1	GROMMET (SV)
0080-20	770046	1	REMOTE VENT ASSEMBLY
0080-30	5105477	1	GAUGE, FUEL, 18.5", MAG -(Includes component 0080-50)
0080-40	5104994	1	ASM, PICKUP TUBE, FUEL TANK, 18.00"
0080-50	-----	1	RUBBER SEAL -(Included with component 0080-30)
0080-60	1726400	1	BUSHING-FUEL TANK RED RUBBER (SV)
0090	5415124A	1	STRAP, FUEL TANK, SRSZ3 - BLK
0100	5415123B	1	PLATE, TANK MOUNT, SRSZ3 - RED
0110	5025618X4	2	SCREW, SOC HD, 5/16-18 X 1/2, BLK

Hydraulic Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691



See TRANSAXLE SERVICE PARTS Group for available transaxle service parts.

Hydraulic Group

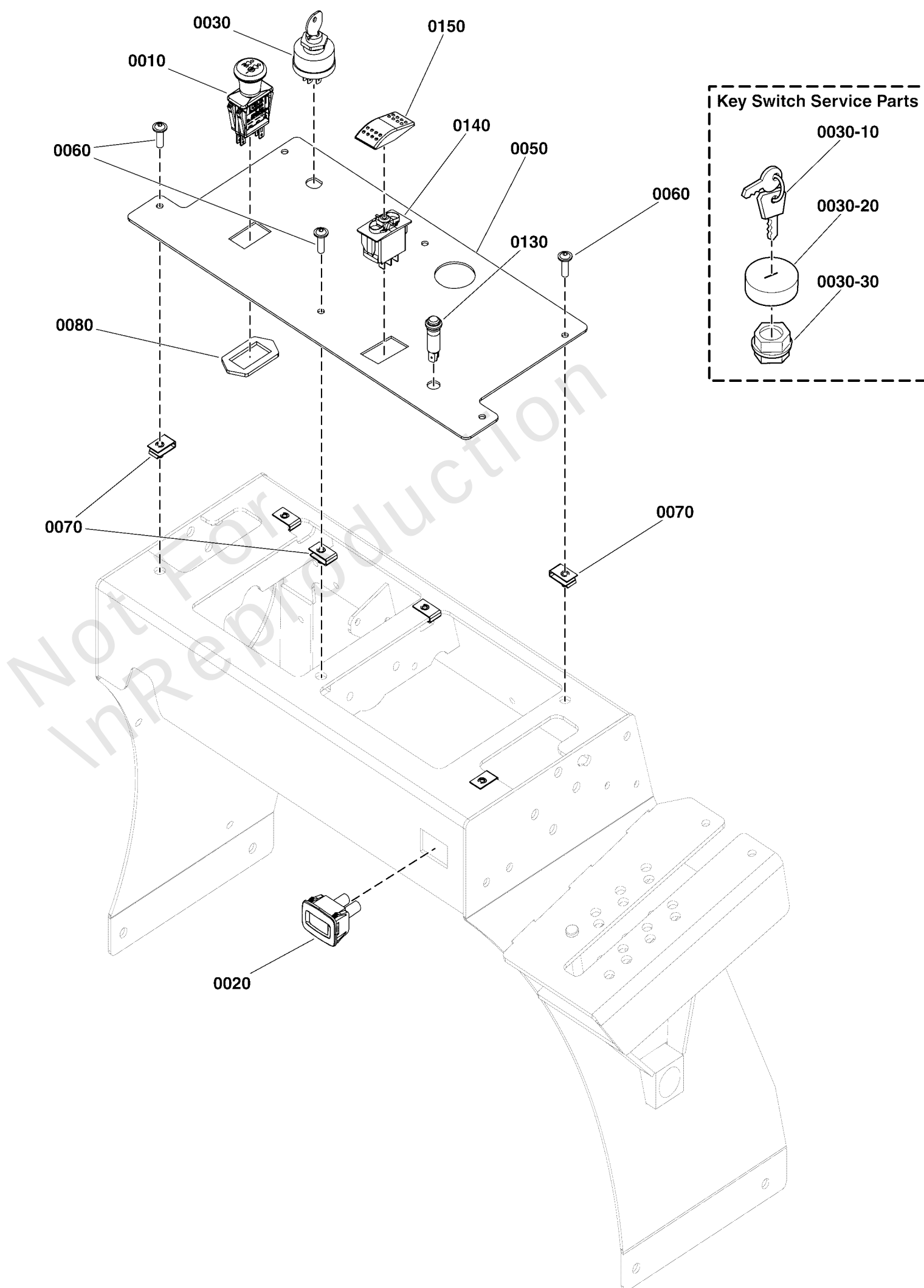
REF NO	PART NO	QTY	DESCRIPTION
0010	5107881	1	TRANSAXLE, ZT-4400, LH, LONG AXLE
0020	5107880	1	TRANSAXLE, ZT-4400, RH, LONG AXLE
0030	5105330	2	FAN, ZT-4400, H/G#54084, SRSZ3 & IS2100
0040	5101998	2	HYDRO TANK, HYDRO-GEAR 71938, 1 LITER
0040-10	5100778X1	2	RESERVOIR CAP (SV) -(One per hydraulic oil tank)
0050	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0060	5025010X6	4	BOLT, 1/4"-20 X 3/4" GD5 YZ
0070	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
0080	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
0090	5025154	6	WASHER, 1/4 SAE
0100	5025155	3	WASHER, 5/16" SAE
0110	5025391	6	NUT, 1/4-20 Hex Nylock Flange
0130	80002736	2	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
0140	5021392	4	CLAMP, #6 HOSE, STAINLESS
0150	5415122B	1	MOUNT, HYDRO BOTTLE, SRSZ3 - RED
0160	5050933X27	1	HOSE, 5/8, PUSH-LOCK, 27.00
0170	5050933X50	1	HOSE, 5/8, PUSH-LOCK, 50.00
0180	5101987X1	2	FITTING, BREATHER, ZT5400
0190	5023263	2	CLAMP, VINYL INSULATED, 1.75
0200	5025535	8	BOLT,HEX FLG,SER,GD8 1/2-13X1-1/4W/PATCH
0210	5105462	2	ROD, HYDRO RELEASE, SRSZ3, CZ
0220	5416499A	2	LEVER, HYDRO RELEASE, ZT4400 - BLK
0240	5102916	2	NUT, ZT5400 -(Torque transaxle fan nut to 540-660 in-lbs (61-75 Nm)
0250	5105331	2	PULLEY, ZT-4400, H/G#54230, SRSZ3
0260	5105332	2	HUB, ZT-4400, H/G#54087, SRSZ3 & IS2100
0270	5021500	2	CLAMP, VINYL INSULATED, 1.00
0280	5023202	2	WASHER,WAVE,M10
0290	5105628	2	KNOB, PLASTIC, 5/16 THRD
0320	5025211	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ
0330	5025045	2	NUT, Hex, Nylon Lock, 5/16-24
0340	5100384X8	2	LOOM, CONVOLUTED SPLIT, 1" ID - 8" LONG
1000	5105287	1	KIT, FAN & PULLEY, REPLACEMENT -(Service Kit that consists of items: 0240, 0030, 0250 & 0260)

Instrument Control Panel Group - Models w/ Kawasaki Engine

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305019



Instrument Control Panel Group - Models w/ Kawasaki Engine

REF NO	PART NO	QTY	DESCRIPTION
0010	5104697	1	PTO SWITCH, MOMENTARY, SMALL KNOB
0020	-----	1	HOUR METER, 2 CHANNEL -(Refer to Note: *)
0030	5020927	1	SWITCH, IGNITION, 6 POST
0030-10	5022789	1	KEY, IGNITION MOLDED SET
0030-20	5022790	1	COVER, PLASTIC, SNAP ON
0030-30	5022791	1	PLASTIC NUT
0050	5601071	1	DASH PANEL W/DECALS, SRS Z3, KAWI
0060	5025299X6	6	BOLT, 1/4-20 X 3/4, ALLEN BUTTON HD, YZ
0070	5022665	6	BODY CLIP, 1/4-20 X 1/2" DEEP
0080	5022222	1	RING, SWITCH RETAINER
0130	5103809	1	LIGHT, INDICATOR, PANEL, LED, RED
0140	5102218	1	BODY, ROCKER SWITCH
0150	5102219	1	ACTUATOR, ROCKER SWITCH - RED

Footnotes:

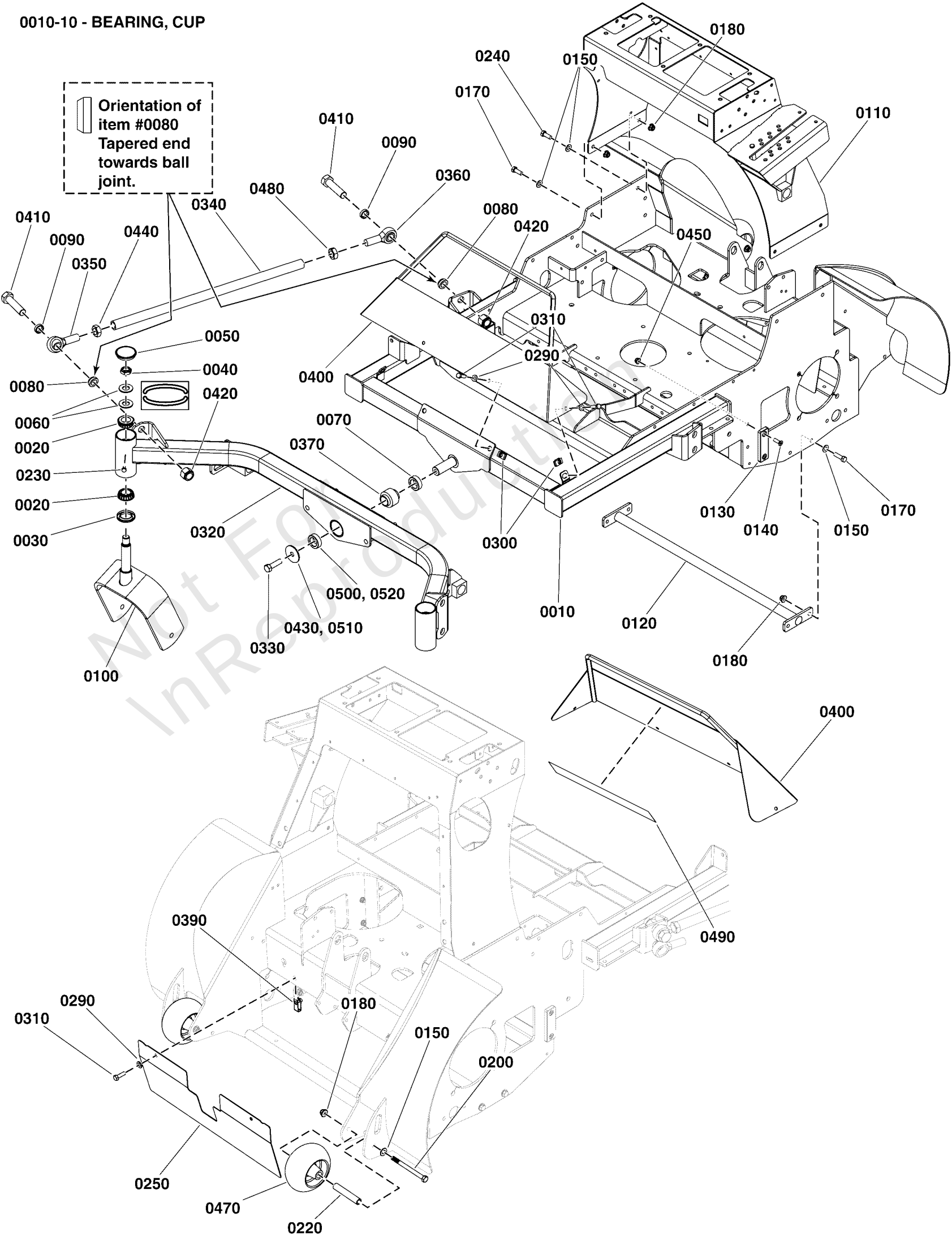
Note: *If replacing contact the Service Department at 1-800-933-6175.

Main Frame & Front Casters Group - Models w/ 61" Mower Decks

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

0010-10 - BEARING, CUP



Main Frame & Front Casters Group - Models w/ 61" Mower Decks

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	WELD, MAIN FRAME, SRSZ3 61 - RED -(Refer to Note: *)
0010-10	5020883	4	CUP, BEARING (SV)
0020	5020884	4	BEARING, TAPERED ROLLER, 1"
0030	5021072	2	SEAL, Grease
0040	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
0050	5102929	2	CAP, LOW PROFILE, STEEL
0060	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
0070	5041476	1	SPACER, 1.02 x 1.56 x .50
0080	-----	8	SPACER -(S/N: 4000162964 & Below)(Refer to Note: *)
0080	5108732	8	SPACER, .765 X 1.500 X .500, TPRD CZ -(S/N: 4000162965 & Above)
0090	5047461	8	SPACER, .76 x 1.00 x .25
0100	5411934B	2	WELD, CASTER YOKE - RED
0110	5415095B	1	WELD, TOWER, SRSZ3 - RED
0120	5415454A	1	WELD, CROSS BRACE, SRSZ3 - BLK
0130	5102702	2	PAD, FRICTION, .375 X 1.25 X 4.00
0140	5025594	4	SCREW, 5/16-18 X 1, PHILLIPS HD, BZ
0150	5025156	10	WASHER, 3/8 SAE
0170	5025013X10	5	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0180	5025394	10	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0200	5025013X36	2	BOLT, 3/8-16 X 4-1/2" GD5 CZ
0220	5105554	2	SPACER, .38 X .63 X 3.38, CZ
0230	5025457	2	BOLT, 1/4-28 X 1/2, GD5 YZ
0240	5025013X8	3	BOLT, 3/8-16 X 1" GD5 CZ
0250	5415126B	1	PLATE, FOOT GUARD, SRSZ3 - RED
0290	5025155	6	WASHER, 5/16" SAE
0300	5022308	4	BODY CLIP, 5/16-18 7GA. MATERIAL
0310	5025011X8	6	BOLT, 5/16-18 X 1" GRD5 YZ
0320	5416003B	1	WELD, FRONT PIVOT, SRSZ3 61 -RED
0330	5025018X10	1	BOLT, 1/2-20 X 1-1/4" GD5 CZ
0340	5105436	4	ROD, FRONT END SUPPORT, CZ, SRSZ3
0350	5022039	4	BALL JOINT, 3/4-16, MALE
0360	5102756	4	BALL JOINT, 3/4-16 MALE, LH
0370	5105457	1	BUSHING, CENTER BONDED, J-6310-1
0390	5025452	2	BODY CLIP, 5/16-18 -1/4 MATERIAL
0400	5415651B	1	WELD, FRONT GUARD, SRSZ3 72 - RED
0410	5025265X24	8	BOLT, 3/4-16 X 3" YZ GD5
0420	5025284	8	NUT, Hex, Nylon Lock, 3/4-16
0430	REF-WASHER	1	WASHER -(S/N: 4000629850 & Below)(Refer to Note: **)
0440	5025093	4	NUT, Hex, Jam, 3/4-16
0450	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0470	5105521	2	WHEEL, ANTI SCALP, 5"
0480	5025580	4	NUT, 3/4-16 HEX JAM, LH
0490	5021125X14	1	ALUM. FOIL TAPE - 14.00 LONG
0500	-----	1	SPACER -(S/N: 4000629850 & Below)(Refer to Note: **)

Footnotes:

Note: **Replace items #0430 and #0500 with items #0510 and #0520, respectively.

Note: *If replacing this spacer for units in this serial number range, replace all eight spacers with the spacer listed in the higher serial number range

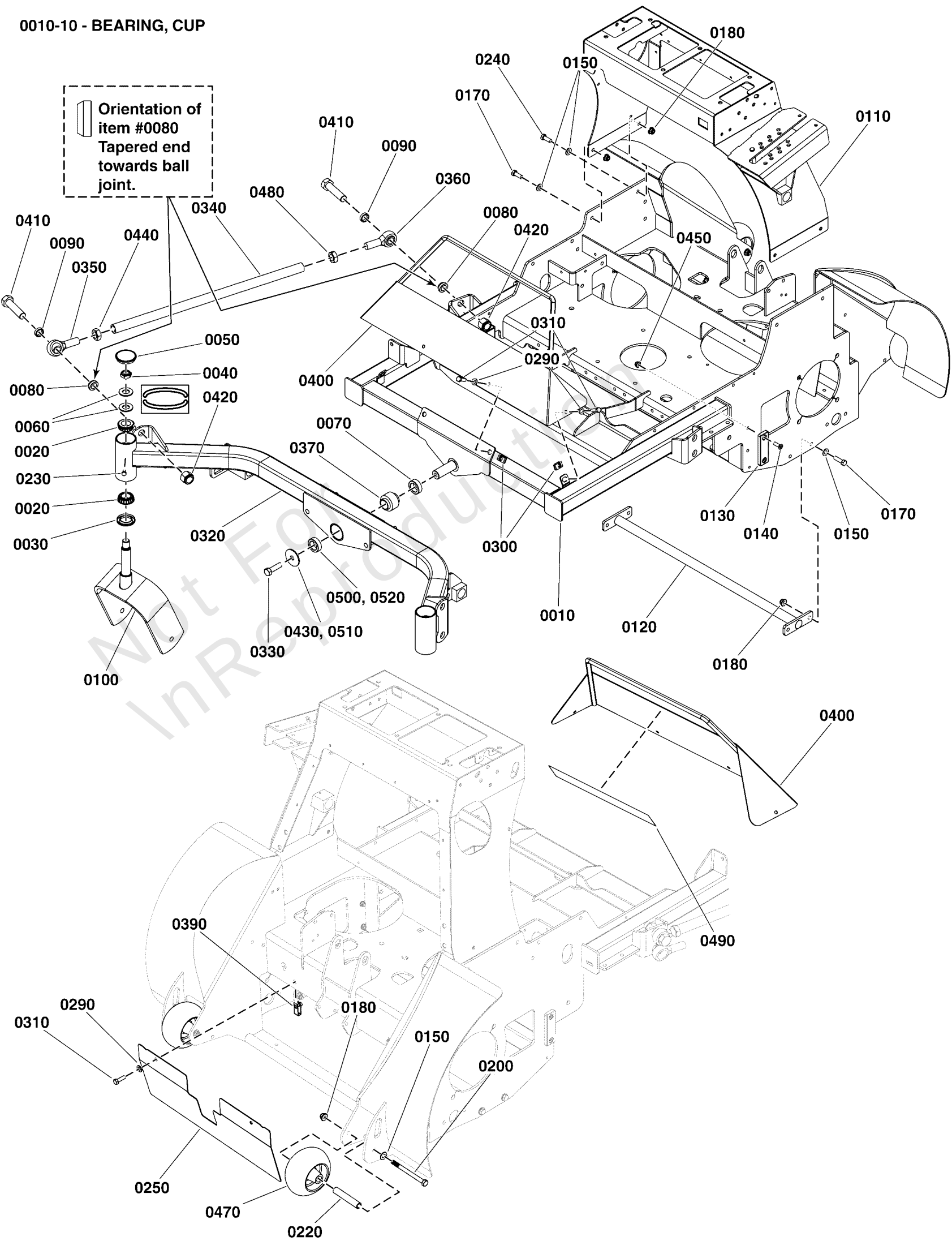
Note: *If replacing contact the Service Department at 1-800-933-6175.

Main Frame & Front Casters Group - Models w/ 61" Mower Decks

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

0010-10 - BEARING, CUP



Main Frame & Front Casters Group - Models w/ 61" Mower Decks

REF NO	PART NO	QTY	DESCRIPTION
0510	5108172	1	WASHER. .52 X 2.5 X .25 -(S/N: 4000629851 & Above)
0520	5108173	1	SPACER, 1.015 X 1.562 X .615 -(S/N: 4000629851 & Above)

Not For
InReproduction

Footnotes:

Note: **Replace items #0430 and #0500 with items #0510 and #0520, respectively.

Note: *If replacing this spacer for units in this serial number range, replace all eight spacers with the spacer listed in the higher serial number range

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

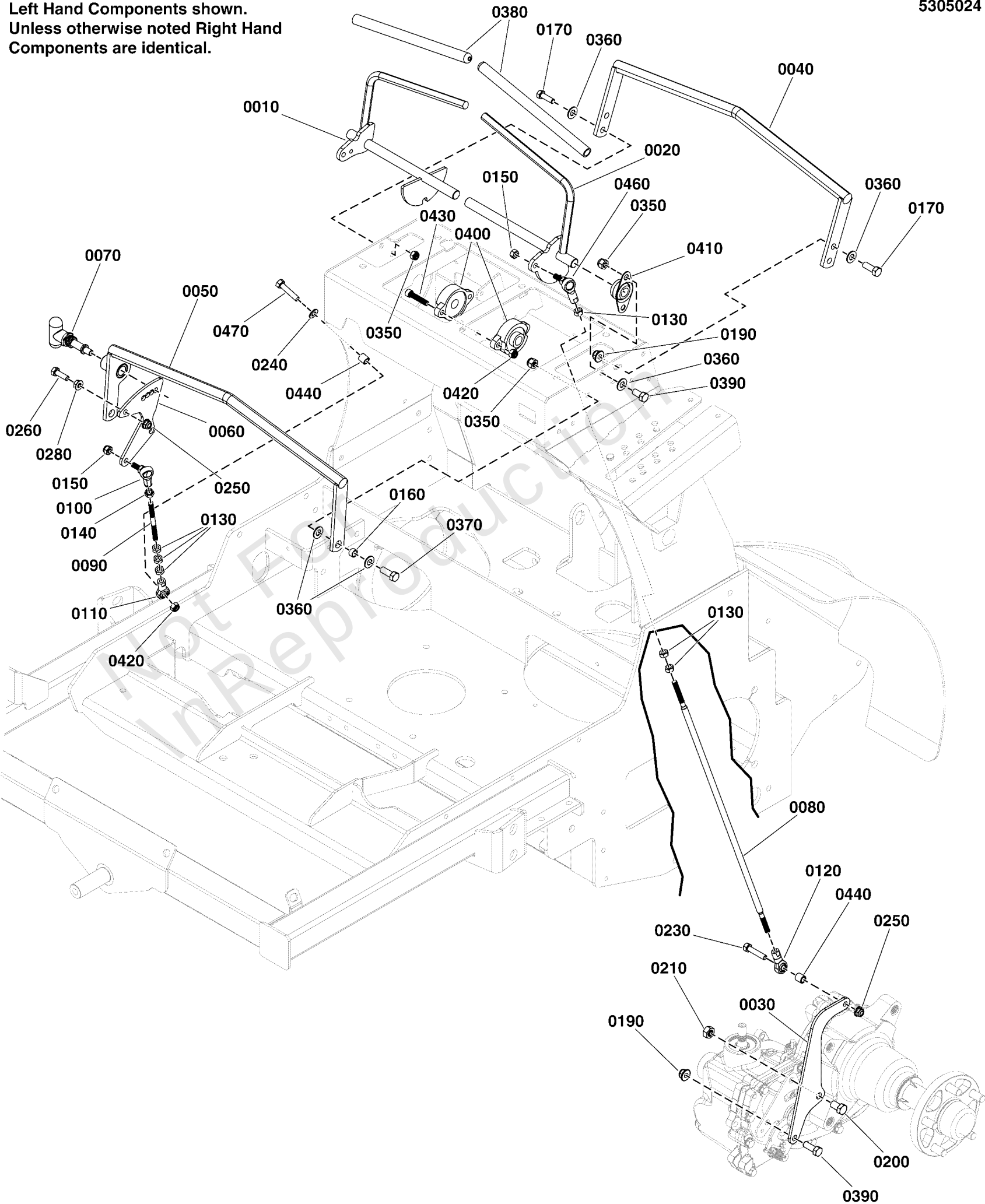
Motion Control Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305024

Left Hand Components shown.
Unless otherwise noted Right Hand
Components are identical.



Motion Control Group

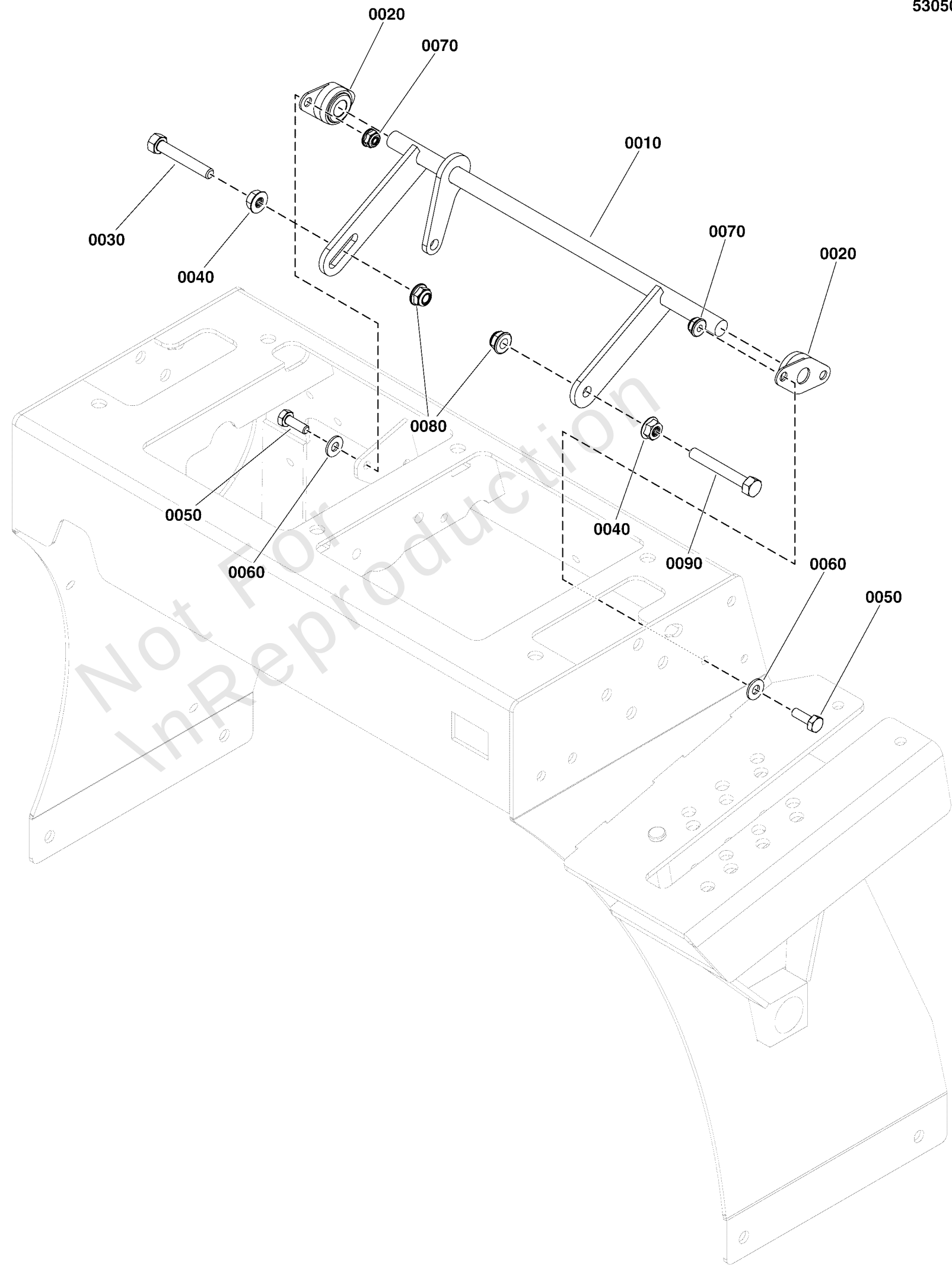
REF NO	PART NO	QTY	DESCRIPTION
0010	5416817A	1	WELD, CONTROL HANDLE, RH, SRS Z3 - BLK
0020	5416816A	1	WELD, CONTROL HANDLE, LH, SRS Z3 - BLK
0030	5416114A	2	PLATE, CONTROL MOUNT, SRSZ3 - BLK
0040	5413594A	1	WELD, REAR HANDLE, STAND ON - BLK
0050	5413706A	1	WELD, FRONT HANDLE, STAND ON - BLK
0060	5415998A	1	PLATE, SPEED ADJUSTMENT, SRSZ3 - BLK
0070	5104609	1	PULL PIN, 3/8" DIA X 9/16" STROKE
0080	5105313	2	ROD, MOTION CONTROL, Z3
0090	5104608	1	ROD, 5/16-24 X 4.25, CZ
0100	5104495	1	BALL JOINT, 5/16-24 LH FEMALE W/STUD, BR
0110	5104493	1	BALL JOINT 5/16-24 RH FEMALE BRONZE RACE
0120	5104494	2	BALL JOINT 5/16-24 LH FEMALE BRONZE RACE
0130	5025033	9	NUT, Hex, 5/16-24
0140	5023212	1	NUT, 5/16-24 HEX, LH
0150	5025045	3	NUT, Hex, Nylon Lock, 5/16-24
0160	5041930	2	SPACER, .38 X .50 X .27, CZ
0170	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
0190	5025394	4	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0200	5025015X6	2	BOLT, 7/16-14 X 3/4, GD 5 YZ
0210	5025044	2	NUT, 7/16-14 HEX TOP LOCK
0230	5025011X12	2	BOLT, 5/16-18 X 1-1/2" GD5 YZ
0240	5025155	1	WASHER, 5/16" SAE
0250	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0260	5025011X8	1	BOLT, 5/16-18 X 1" GRD5 YZ
0280	5025127	1	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
0350	5025096	8	NUT, Hex, Nylon Locking, 3/8-16
0360	5025156	12	WASHER, 3/8 SAE
0370	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0380	5101715	2	GRIP, FOAM, .48 x 10 x .125 Black
0390	5025013X6	6	BOLT, 3/8-16 X 3/4" GD5 CZ
0400	5022846	2	BEARING-FLANGE, 5/8
0410	5104885	2	BEARING, BRONZE, FLANGED, 5/8", FLB10
0420	5025057	3	NUT, Hex, Nylon Locking, 5/16-18
0430	5025618X12	2	SCREW, SOC HD, 5/16-18 X 1-1/2, BLK
0440	5102148	3	SPACER, .33 X .50 X .50, YZ
0460	5104833	2	BALL JOINT, 5/16-24 RH FEMALE W/STUD, BR
0470	5025011X14	1	BOLT, 5/16-18 X 1-3/4" GD5 YZ

Neutral Lockout Group S/N: 4000089208 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305043



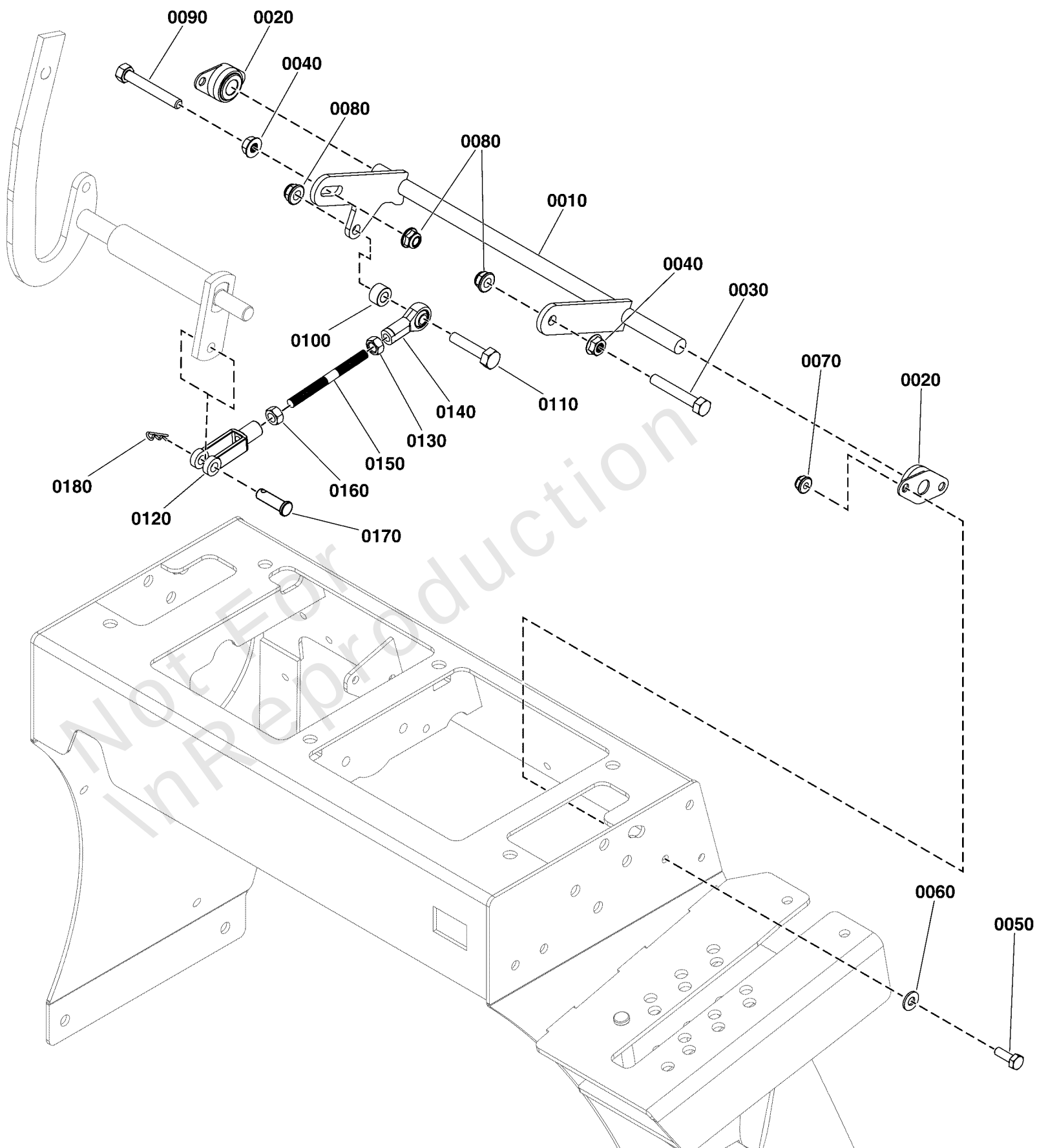
Neutral Lockout Group S/N: 4000089208 and Below

REF NO	PART NO	QTY	DESCRIPTION
0010	5416486A	1	WELD, NEUTRAL LOCK SHAFT - BLK
0020	5101123	2	BEARING, 1/2 FLANGED, PLASTIC BALL
0030	5025011X16	1	BOLT, 5/16-18 X 2" GD5 YZ
0040	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
0050	5025010X6	4	BOLT, 1/4"-20 X 3/4" GD5 YZ
0060	5025154	4	WASHER, 1/4 SAE
0070	5025391	4	NUT, 1/4-20 Hex Nylock Flange
0080	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0090	5025011X18	1	BOLT, 5/16-18 X 2-1/4" GD5 YZ

Neutral Lockout Group S/N: 4000089209 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691



Neutral Lockout Group S/N: 4000089209 and Above

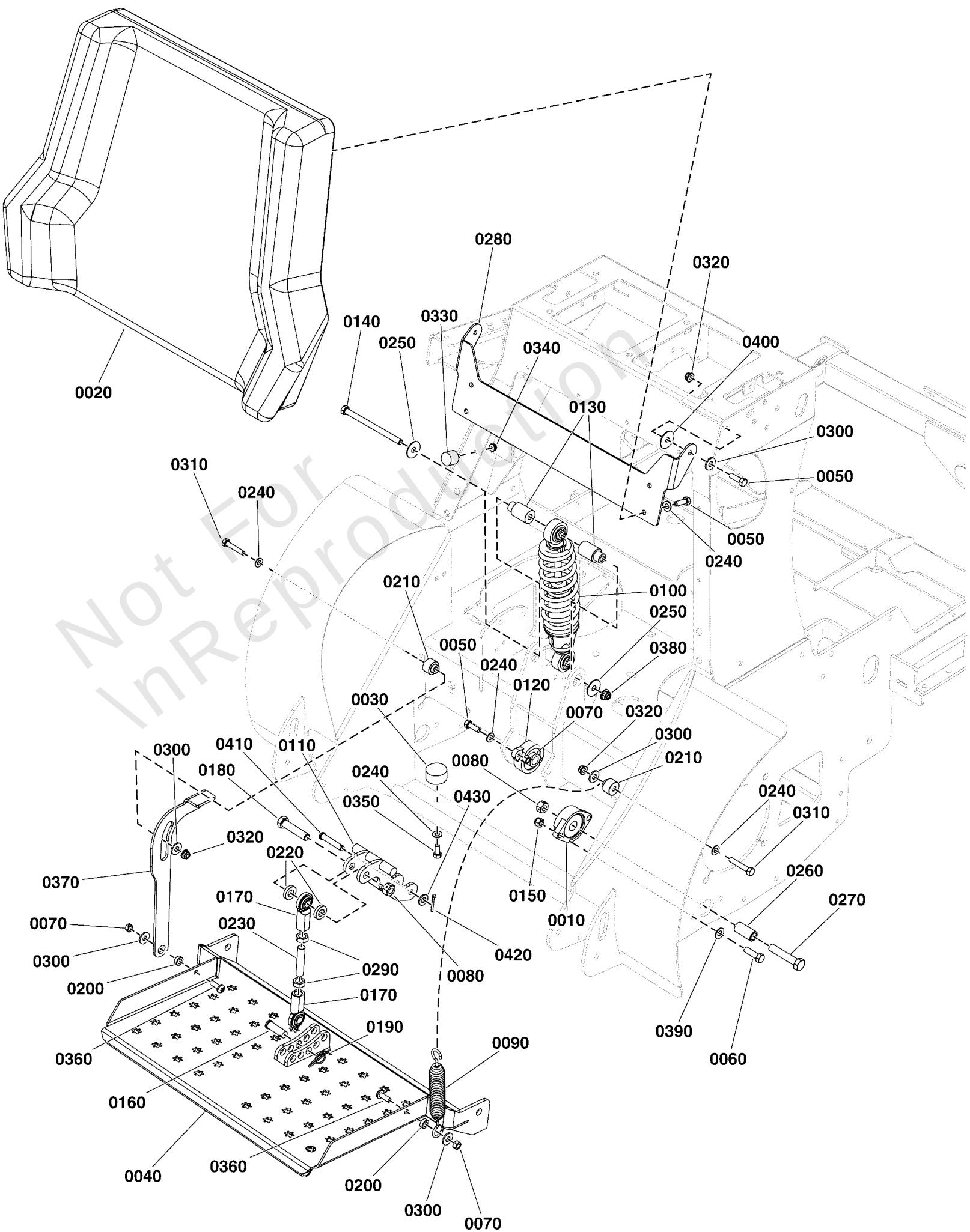
REF NO	PART NO	QTY	DESCRIPTION
0010	5418767A	1	WELD, NEUTRAL LOCK SHAFT, SRS - BLK
0020	5101123	2	BEARING, 1/2 FLANGED, PLASTIC BALL
0030	5025011X16	1	BOLT, 5/16-18 X 2" GD5 YZ
0040	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
0050	5025010X6	4	BOLT, 1/4"-20 X 3/4" GD5 YZ
0060	5025154	4	WASHER, 1/4 SAE
0070	5025391	4	NUT, 1/4-20 Hex Nylock Flange
0080	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0090	5025011X18	1	BOLT, 5/16-18 X 2-1/4" GD5 YZ
0100	5103767	1	SPACER, .33 X .63 X .36, PM, CZ
0110	5025055X12	1	BOLT- 5/16-18 X 1-1/2 GD5 TFL
0120	5023323	1	CLEVIS, 5/16-24, STEEL, CLEAR ZINC
0130	5023212	1	NUT, 5/16-24 HEX, LH
0140	5104494	1	BALL JOINT 5/16-24 LH FEMALE BRONZE RACE
0150	5104695	1	ROD, 5/16-24 X 3.25, CZ
0160	5025033	1	NUT, Hex, 5/16-24
0170	5025213X7	1	PIN, CLEVIS, 5/16 X 1, PLATED
0180	5025211	1	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ

Operator Compartment Group - S/N: 2017890934 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305039



Operator Compartment Group - S/N: 2017890934 & Below

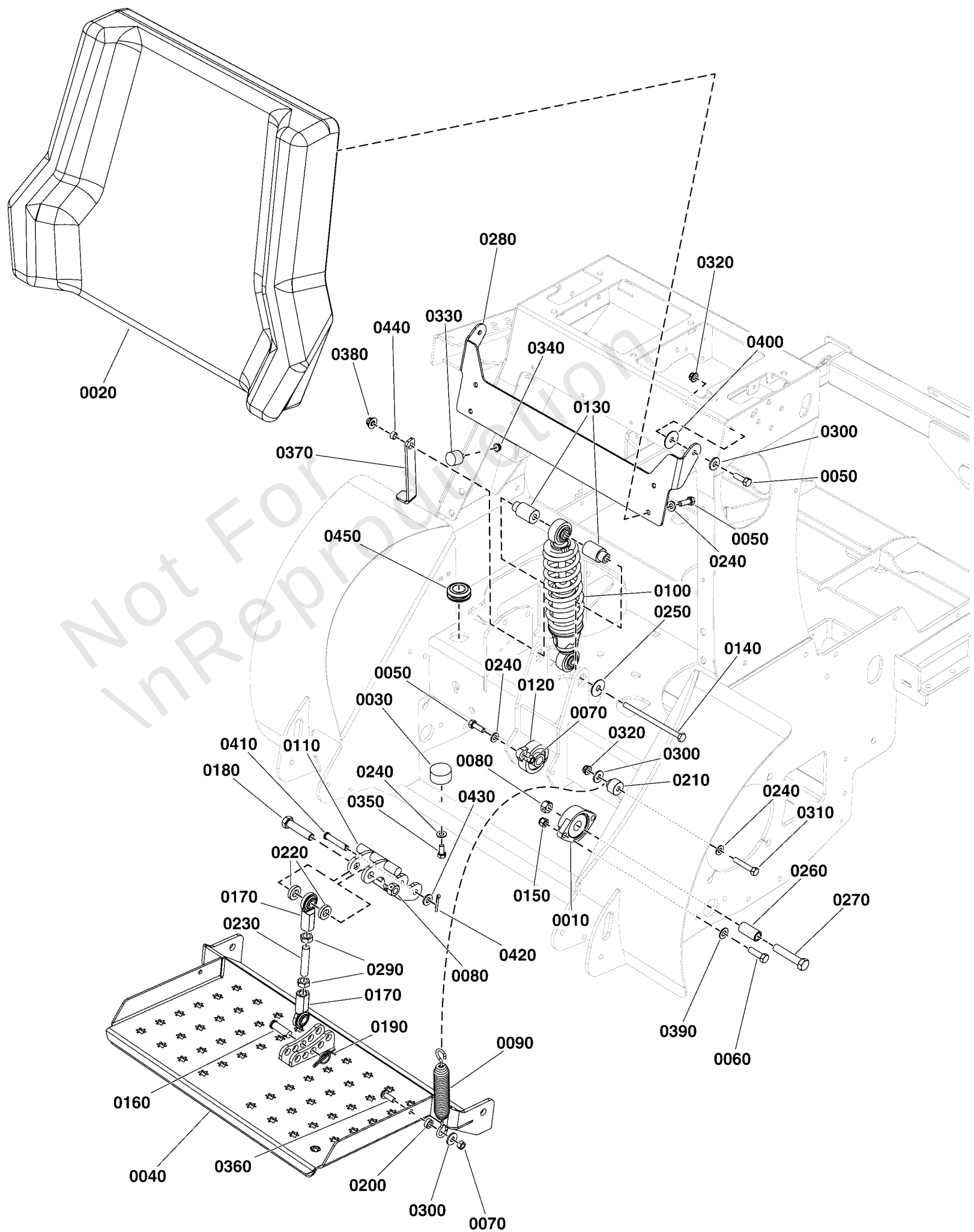
REF NO	PART NO	QTY	DESCRIPTION
0010	5021499	2	BEARING, FLANGE
0020	5104452	1	KNEE PAD, STAND-ON
0030	5104593	2	BUMPER, RUBBER
0040	5415115A	1	WELD, FOOT PLATFORM, SRSZ3 - BLK
0050	5025011X8	10	BOLT, 5/16-18 X 1" GRD5 YZ
0060	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0070	80003675	6	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0080	5025332	3	NUT, 1/2-13 Hex Side Lock
0090	5022847	1	SPRING-EXT, 1.04 ODX6.935LGX.148WR, BLK
0100	5104640	1	SHOCK / SPRING ASSEMBLY
0110	5414069A	1	WELD, SUSPENSION LINK - BLK
0120	5022846	2	BEARING-FLANGE, 5/8
0130	5104620	2	SPACER, STEP, .39 X 1.00 X .69, CZ
0140	5025013X44	1	BOLT, 3/8-16 X 5-1/2" GD5 CZ
0150	5025096	4	NUT, Hex, Nylon Locking, 3/8-16
0160	5025328X12	1	PIN, CLEVIS, 1/2 X 1-1/2, PLATED
0170	1702779	2	JOINT-BALL .500-20 THD .500ID, CLR ZINC
0180	5025017X18	1	BOLT, 1/2-13 X 2-1/4" GD5 CZ
0190	5025540	1	PIN, SURE LOCK COTTER, .09 X .75, CZ
0200	5104654	2	SPACER, .33 X .63 X .25, CZ
0210	5104655	2	SPACER, .328 X 1.0 X .85, CZ
0220	5100520	2	SPACER, .52 X 1.00 X .22, PM, CZ
0230	5104663	1	ROD, THREADED, 1/2-20 X 2.25
0240	5025155	12	WASHER, 5/16" SAE
0250	5025165	2	WASHER, 3/8" Fender
0260	5104658	2	SPACER, .52 X .74 X 1.50, CZ
0270	5025017X20	2	BOLT, 1/2-13 X 2-1/2" GD5 CZ
0280	5415781B	1	PLATE, PAD MOUNT, SRS - RED
0290	5025089	2	NUT, 1/2-20 Hex Jam
0300	5025337	6	WASHER, 5/16" USS
0310	5025011X14	2	BOLT, 5/16-18 X 1-3/4" GD5 YZ
0320	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0330	5022673	2	BUMPER, RUBBER, 1/4-20
0340	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0350	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
0360	1960086	2	SCREW, TRUSS HD TORX DR5/16-18X0.875 BLK
0370	5415381A	1	PLATE, OPC LINK, STAND ON - BLK
0380	5025394	1	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0390	5025156	4	WASHER, 3/8 SAE
0400	5025164	2	WASHER, 5/16" Fender
0410	5025214X16	1	PIN, CLEVIS, 3/8 X 2, PLATED
0420	5025203X6	1	* PIN, COTTER, 1/8" X 3/4
0430	5025293	1	WASHER, 3/8" GR. 9 FLAT

Operator Compartment Group - S/N: 2017890935 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305039A



Operator Compartment Group - S/N: 2017890935 & Above

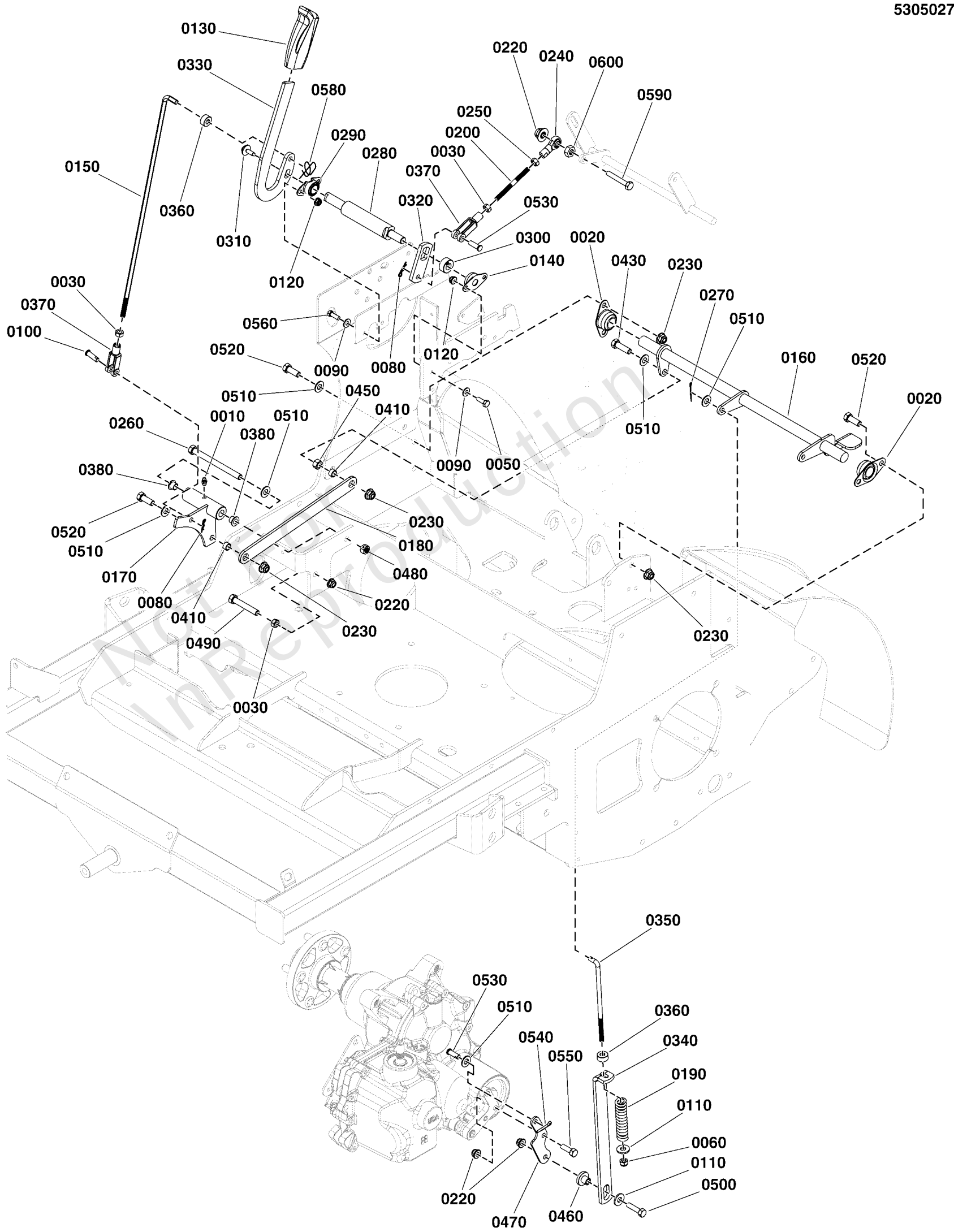
REF NO	PART NO	QTY	DESCRIPTION
0010	5021499	2	BEARING, FLANGE
0020	5104452	1	KNEE PAD, STAND-ON -(S/N: 4000875836 and below)
0020	5108192	1	KNEE PAD, STAND ON -(S/N: 4000875837 and above)
0030	5104593	2	BUMPER, RUBBER
0040	5415115A	1	WELD, FOOT PLATFORM, SRSZ3 - BLK
0050	5025011X8	10	BOLT, 5/16-18 X 1" GRD5 YZ
0060	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0070	80003675	5	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0080	5025332	3	NUT, 1/2-13 Hex Side Lock
0090	5022847	1	SPRING-EXT, 1.04 ODX6.935LGX.148WR, BLK
0100	5104640	1	SHOCK / SPRING ASSEMBLY
0110	5414069A	1	WELD, SUSPENSION LINK - BLK
0120	5022846	2	BEARING-FLANGE, 5/8
0130	5104620	2	SPACER, STEP, .39 X 1.00 X .69, CZ
0140	5025013X44	1	BOLT, 3/8-16 X 5-1/2" GD5 CZ
0150	5025096	4	NUT, Hex, Nylon Locking, 3/8-16
0160	5025328X12	1	PIN, CLEVIS, 1/2 X 1-1/2, PLATED
0170	1702779	2	JOINT-BALL .500-20 THD .500ID, CLR ZINC
0180	5025017X16	1	BOLT, 1/2-13 X 2" GD5 CZ
0190	5025540	1	PIN, SURE LOCK COTTER, .09 X .75, CZ
0200	5104654	1	SPACER, .33 X .63 X .25, CZ
0210	5104655	1	SPACER, .328 X 1.0 X .85, CZ
0220	5100520	2	SPACER, .52 X 1.00 X .22, PM, CZ
0230	5104663	1	ROD, THREADED, 1/2-20 X 2.25
0240	5025155	11	WASHER, 5/16" SAE
0250	5025165	1	WASHER, 3/8" Fender
0260	5104658	2	SPACER, .52 X .74 X 1.50, CZ
0270	5025017X18	2	BOLT, 1/2-13 X 2-1/4" GD5 CZ
0280	5415781B	1	PLATE, PAD MOUNT, SRS - RED
0290	5025089	2	NUT, 1/2-20 Hex Jam
0300	5025337	4	WASHER, 5/16" USS
0310	5025011X14	1	BOLT, 5/16-18 X 1-3/4" GD5 YZ
0320	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0330	5022673	2	BUMPER, RUBBER, 1/4-20
0340	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0350	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
0360	1960086	1	SCREW, TRUSS HD TORX DR5/16-18X0.875 BLK
0370	5105691	1	PLATE, LINK, OPC, SRSZ, CZ
0380	5025394	1	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0390	5025156	4	WASHER, 3/8 SAE
0400	5025164	2	WASHER, 5/16" Fender
0410	5025214X16	1	PIN, CLEVIS, 3/8 X 2, PLATED
0420	5025203X6	1	* PIN, COTTER, 1/8" X 3/4
0430	5025293	1	WASHER, 3/8" GR. 9 FLAT
0440	5041930	1	SPACER, .38 X .50 X .27, CZ
0450	5103944	1	GROMMET, 7/8"ID, 1/4" THICK STK

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305027



Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5020095	1	GREASE FITTING, 1/4-28 Straight
0020	5021098	2	BEARING, BRONZE FLANGE, 3/4"
0030	5025033	2	NUT, Hex, 5/16-24
0050	5025010X6	2	BOLT, 1/4"-20 X 3/4" GD5 YZ
0060	5025045	2	NUT, Hex, Nylon Lock, 5/16-24
0080	5025211	1	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ
0090	5025154	4	WASHER, 1/4 SAE
0100	5025213X8	2	PIN, CLEVIS, 5/16 X 1, PLATED
0110	5025337	4	WASHER, 5/16" USS
0120	5025391	4	NUT, 1/4-20 Hex Nylock Flange
0130	5100171	1	GRIP, BLACK FLEXIBLE
0140	5101123	1	BEARING, 1/2 FLANGED, PLASTIC BALL
0150	-----	1	ROD, BRAKE, Z3 -(S/N 2018025018 & Below) (Refer to Note: *)
0150	5105701	1	ROD, BRAKE, Z3 -(S/N 2018025019 & Above)
0150-10	5020047	1	COLLAR, 5/16" Set -(S/N 2018025018 & Below Only)
0160	5415110A	1	WELD, LOWER BRAKE SHAFT, SRSZ3 - BLK
0170	5415453A	1	WELD, BRAKE PIVOT, SRSZ3 - BLK
0180	5415129A	1	LINK, BRAKE, SRSZ3 - BLK
0190	5100385	2	SPRING, COMP. 1/2 ID X .140 WIRE X 3.25
0200	5104695	1	ROD, 5/16-24 X 3.25, CZ
0220	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0230	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0240	5104494	1	BALL JOINT 5/16-24 LH FEMALE BRONZE RACE
0250	5023212	1	NUT, 5/16-24 HEX, LH
0260	5025013X36	1	BOLT, 3/8-16 X 4-1/2" GD5 CZ
0270	80002736	2	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
0280	5104768	1	SHAFT, UPPER BRAKE ROD, SRSZ
0290	5104270	1	BEARING, 5/8" FLANGED, PLASTIC BALL
0300	5010580	1	COLLAR, 1/2 SET (1/2 SPLIT COLLAR IN MODEL)
0310	2860664	1	SCREW-HEX SEMS WSHR 1/4-20 X.88 DOG PT
0320	5106314	1	PLATE, BRAKE TAB, STAND-ON
0330	5416876A	1	PLATE, BRAKE LEVER, SRSZ - BLK
0340	5415125A	2	BAR, LOWER BRAKE MOUNT, SRSZ3 - BLK
0350	5105574	2	ROD, LOWER BRAKE CONTROL, CZ
0360	5020047	2	COLLAR, 5/16" Set
0370	5023323	2	CLEVIS, 5/16-24, STEEL, CLEAR ZINC
0380	5102773	2	BUSHING, .38ID X .47 OD X .38L, FL
0410	5041930	2	SPACER, .38 X .50 X .27, CZ
0430	5025013X10	1	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0450	5025034	1	NUT, 3/8-16 HEX, YZ
0460	5105603	2	SPACER, STEP, .328 X 1.00 X .625, CZ
0470	5413575A	2	PLATE, BRAKE ARM, IS2100 - BLK
0480	5025100	1	NUT, Hex, Side Lock, 3/8-16
0490	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
0500	5025011X10	2	BOLT, 5/16-18 X 1-1/4" GD5 YZ

Footnotes:

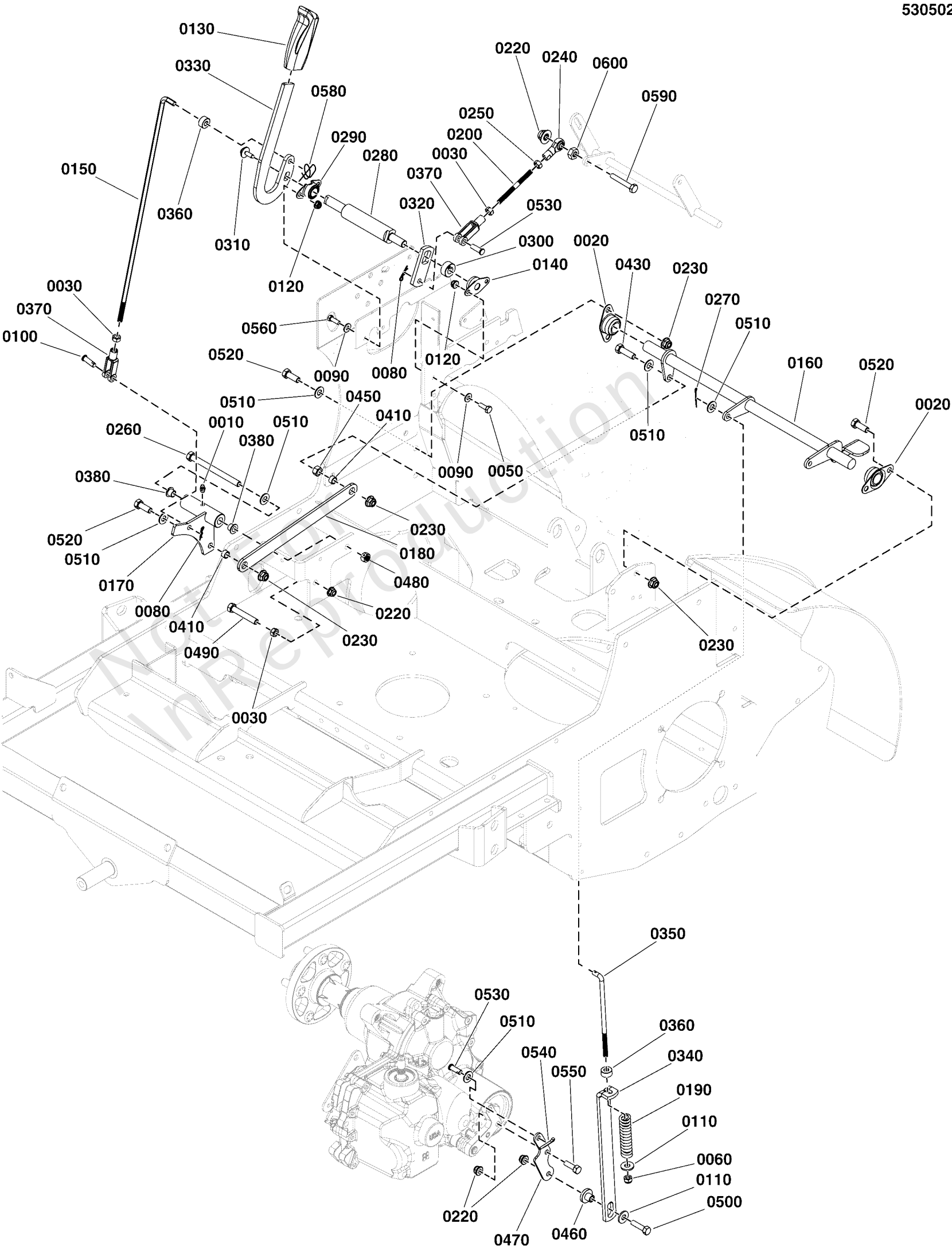
Note: **Older models may feature different hardware that is oriented differently, please update to the current hardware and orientation.
Note: * If replacing this rod, also order item #0580 and re-assemble to diagram.

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5305027



Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
0510	5025156	5	WASHER, 3/8 SAE
0520	5025013X8	5	BOLT, 3/8-16 X 1" GD5 CZ
0530	5025213X7	3	PIN, CLEVIS, 5/16 X 1, PLATED
0540	5025203X6	2	* PIN, COTTER, 1/8" X 3/4
0550	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
0560	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
0580	5025639	1	RUE - 10 RETAINING PIN, .047"X5/16 SHAFT
0590	5025055X12	1	BOLT- 5/16-18 X 1-1/2 GD5 TFL -(Refer to Note: **)
0600	5025032	1	NUT, 5/16-18 HEX -(Refer to Note: **)

Not For
InReproduction

Footnotes:

Note: **Older models may feature different hardware that is oriented differently, please update to the current hardware and orientation.

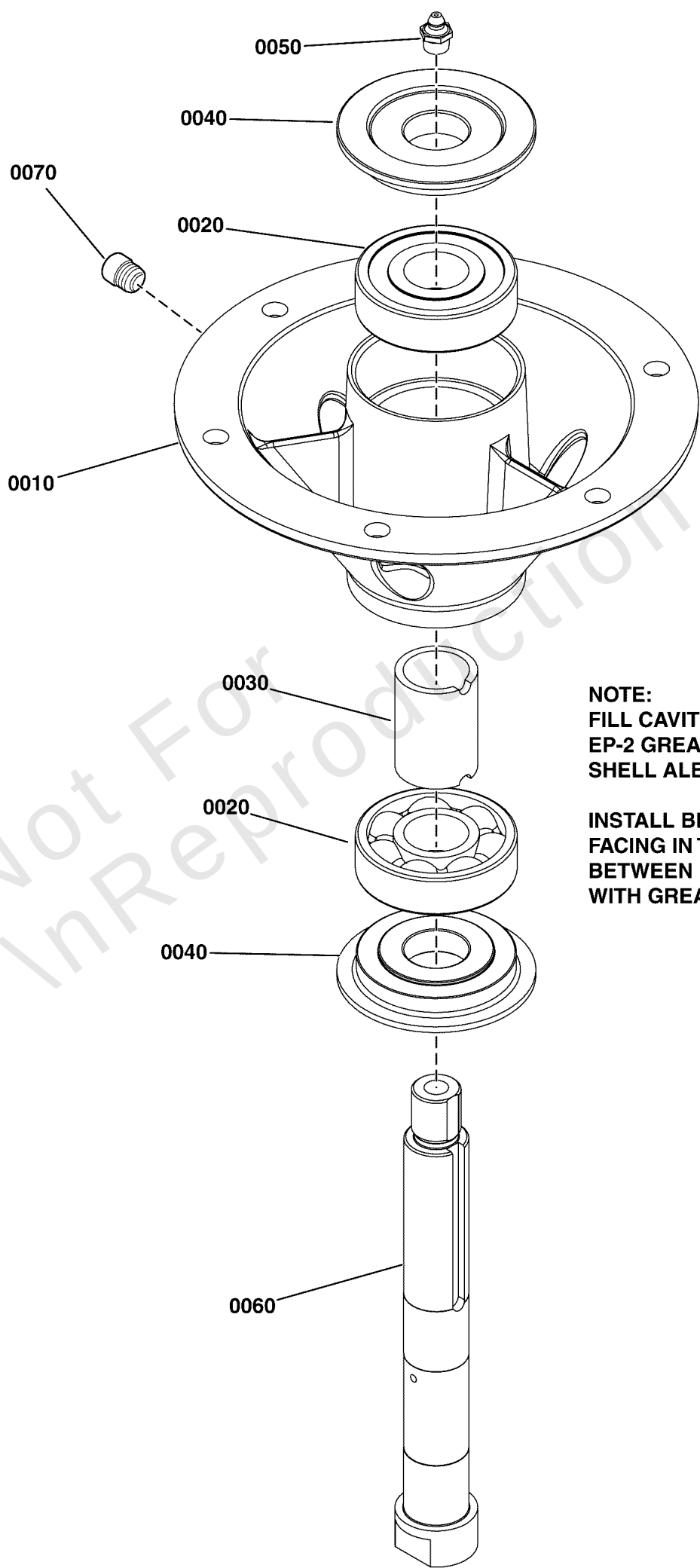
Note: * If replacing this rod, also order item #0580 and re-assemble to diagram.

Spindle Service Parts - 5104744

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

5104744

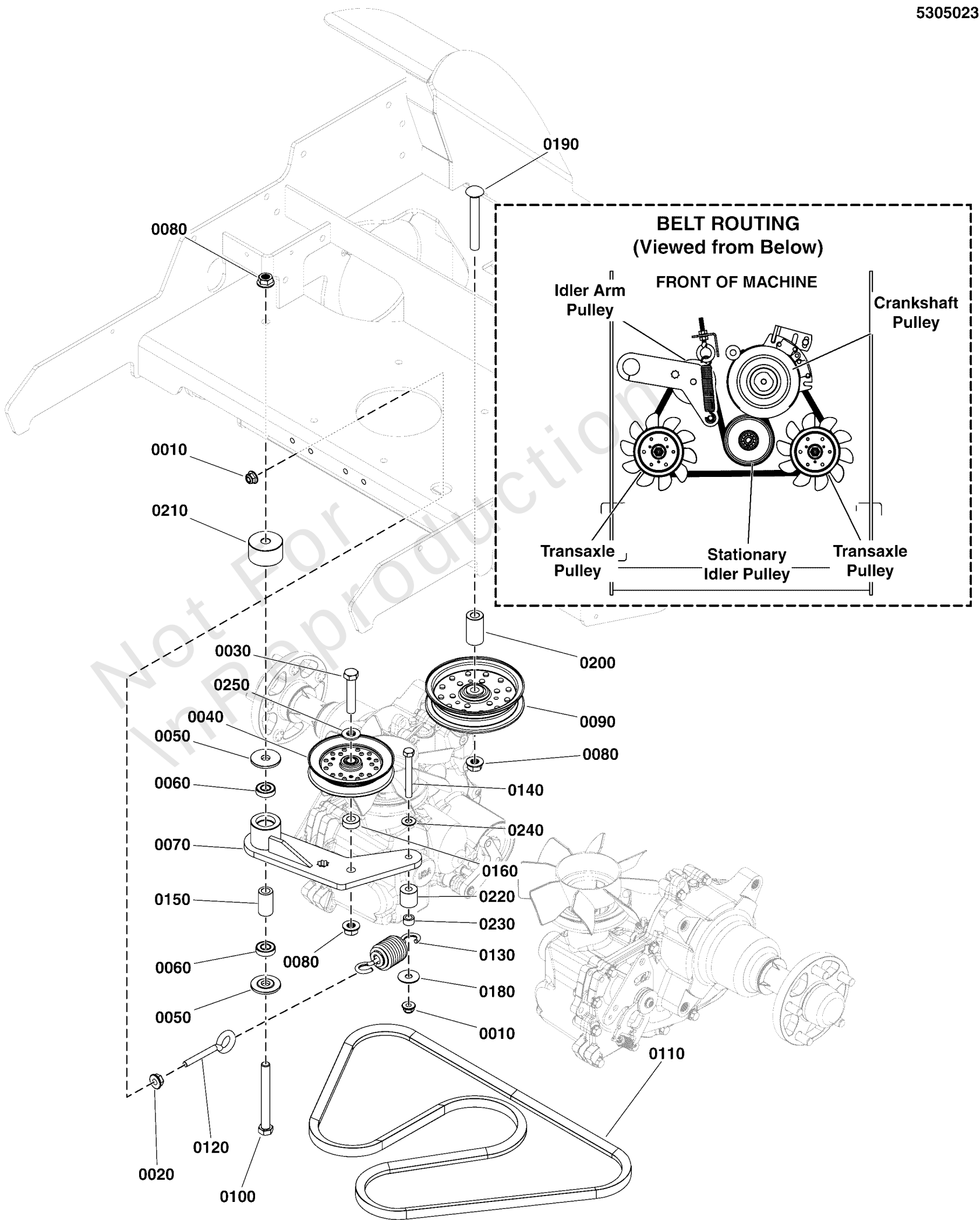


NOTE:
FILL CAVITY WITH NLGI, GRADE 2,
EP-2 GREASE (SUPERPLEX EP-2,
SHELL ALBIDA LCW, BP ENERGREASE LC)

**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



Transaxle Drive Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0020	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange
0030	5025017X20	1	BOLT, 1/2-13 X 2-1/2" GD5 CZ
0040	5105542	1	PULLEY, IDLER-V, 5.00OD X .510ID, CZ
0050	5103262	2	SPACER, IDLER ARM, 1/2, PM
0060	7078243	2	BEARING, BALL, AXLE
0070	5414039A	1	WELD, IDLER ARM, PUMP DRIVE - BLK
0080	5025396	3	NUT, Hex Flange, Nylock, 1/2-13
0090	5101794	1	PULLEY, IDLER, 5" OD, 1" FACE, 5.75 FLANGE
0100	5025017X36	1	BOLT, 1/2-13 X 4-1/2" GD5 YZ
0110	5105316	1	BELT, B-SEC, 80.79, RAW EDGE, OPTI
0120	5025429	1	EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C
0130	5104676	1	SPRING EXT, 1.50ODX4.75LGX.177WR, BLK
0140	5025013X20	1	BOLT, 3/8-16 X 2-1/2" GD5 CZ
0150	5103812	1	SPACER, .52 X .84 X 1.53, PM
0160	5044609	1	SPACER, .52 X 1.00 X .38, CZ
0180	5025165	1	WASHER, 3/8" Fender
0190	5025324X32	1	BOLT, 1/2-13 X 4", CARRIAGE
0200	5101413	1	SPACER, .52 X 1.00 X 1.83, CZ
0210	5105466	1	SPACER, .52 X 2.00 X 1.13, CZ
0220	5100896	1	SPACER, .390 X 1.00 X 1.00 - YZ
0230	5105297	1	SPACER, .39 X .63 X .375M DOM CZ
0240	5025156	1	WASHER, 3/8 SAE
0250	5025158	1	WASHER, 1/2 SAE

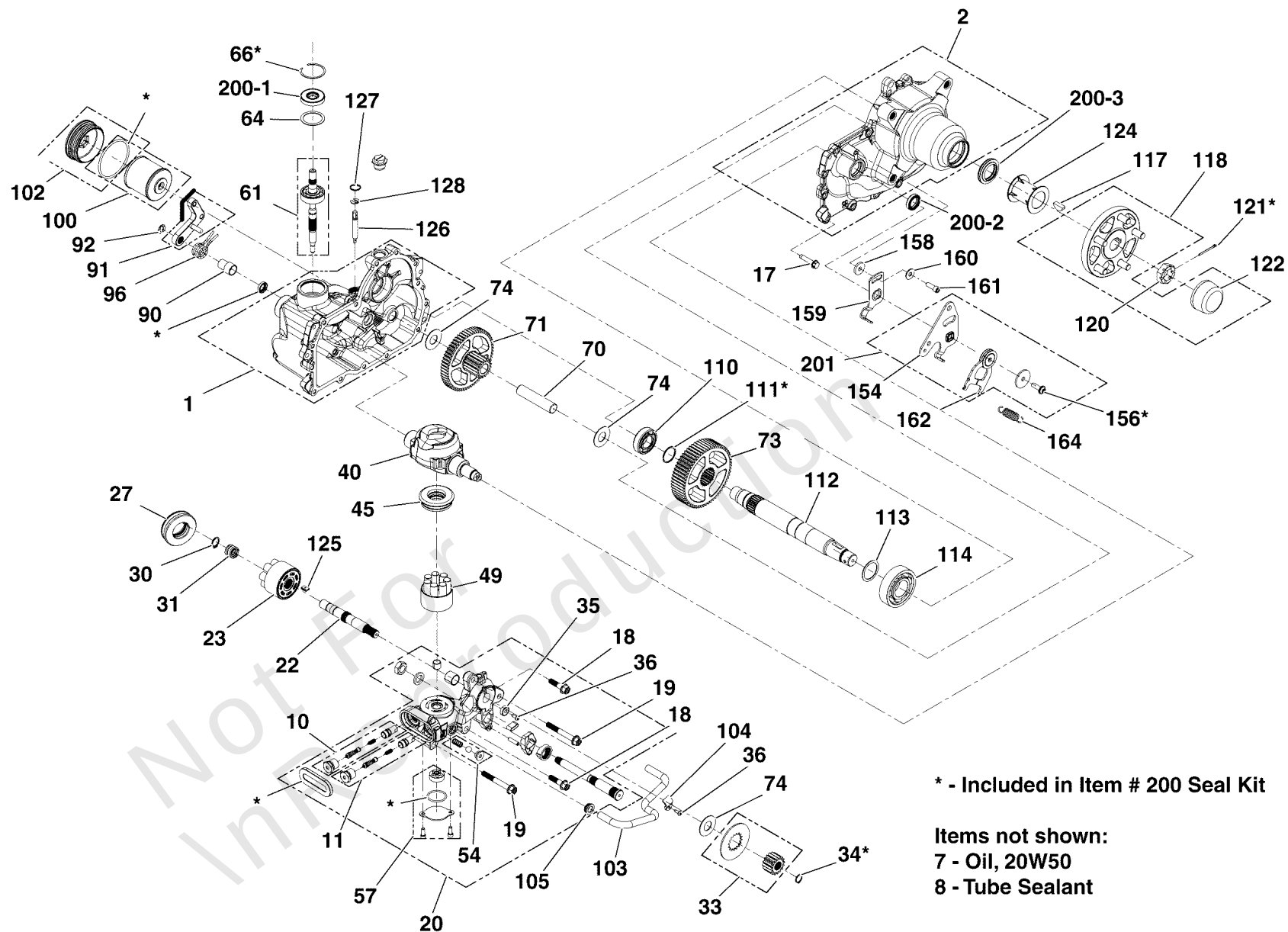
Transaxle Service Parts Group - 5105286 / 5105285

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

HYDRO-GEAR MODEL 1710-1065L (P/N: 5105286)

HYDRO-GEAR MODEL 1710-1065R (P/N: 5105285)



Transaxle Service Parts Group - 5105286 / 5105285

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	KIT, MAIN HOUSING -(Refer to Note: *)
2	-----	1	KIT, SIDE HOUSING -(Refer to Note: *)
7	-----	1	OIL -(Refer to Note: *)
8	5022905X1	1	SEALANT
10	-----	1	KIT, SHOCK VALVE -(Refer to Note: *)
11	-----	1	KIT, SHOCK VALVE -(Refer to Note: *)
17	-----	14	SCREW, HOUSING -(Refer to Note: *)
18	-----	2	SCREW, HEX FLANGE 3/8-16 X 1.5 -(Refer to Note: *)
19	-----	2	SCREW, HEX FLANGE 3/8-16 X 3.0 -(Refer to Note: *)
20	-----	2	KIT, CENTER SECTION -(Refer to Note: *)
22	-----	1	SHAFT, MOTOR -(Refer to Note: *)
23	-----	1	KIT, CYLINDER BLOCK (16cc) -(Refer to Note: *)
27	-----	1	BEARING, THRUST, MOTOR -(Refer to Note: *)
30	-----	1	RING, RETAINING -(Refer to Note: *)
31	1715302	1	SPRING-CYLINDER BLOCK 2000025
33	-----	1	KIT, BRAKE ROTOR, GEAR -(Refer to Note: *)
34	1706130	1	RING-SNAP (44145)
35	-----	1	MAGNET -(Refer to Note: *)
36	-----	2	BOLT, SELF-TAPPING -(Refer to Note: *)
40	-----	1	SWASHPLATE, MACHINED -(Refer to Note: *)
45	-----	1	BEARING, THRUST, PUMP -(Refer to Note: *)
49	-----	1	KIT, CYLINDER BLOCK (12cc) -(Refer to Note: *)
54	-----	1	KIT, CHARGE RELIEF -(Refer to Note: *)
57	-----	1	KIT, CHARGE PUMP -(Refer to Note: *)
61	5104385X3	1	KIT, INPUT SHAFT (BEARING & SHAFT ONLY) (SV)
64	-----	1	SPACER, INPUT -(Refer to Note: *)
66	-----	1	RING, RET, INTERNAL, INPUT -(Refer to Note: *)
70	-----	1	JACKSHAFT -(Refer to Note: *)
71	-----	1	KIT, GEARS -(Refer to Note: *)
73	-----	1	GEAR, 62T -(Refer to Note: *)

Footnotes:

Note: * See your authorized Hydro-Gear dealer for replacement parts.

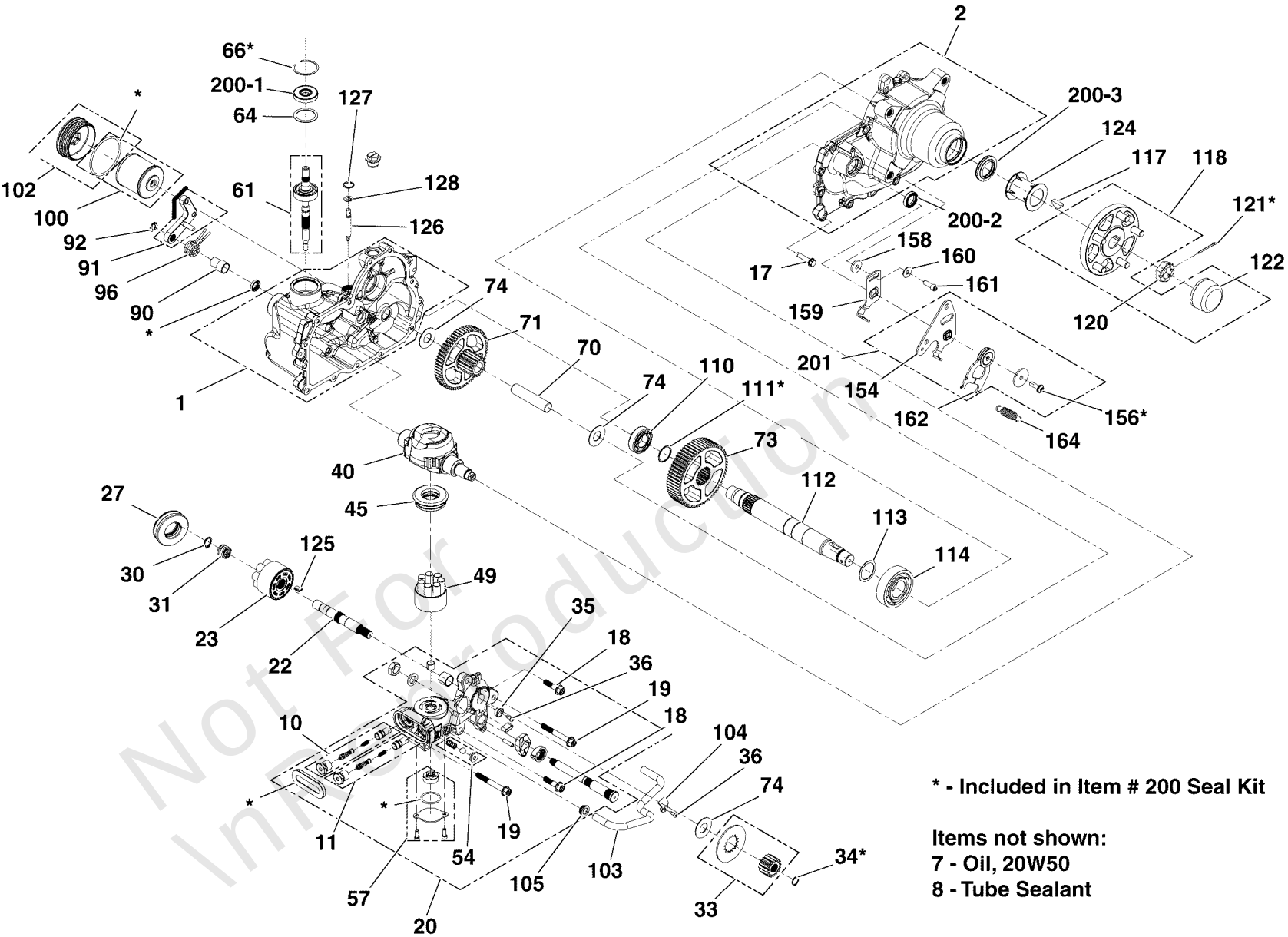
Transaxle Service Parts Group - 5105286 / 5105285

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

HYDRO-GEAR MODEL 1710-1065L (P/N: 5105286)

HYDRO-GEAR MODEL 1710-1065R (P/N: 5105285)



Transaxle Service Parts Group - 5105286 / 5105285

REF NO	PART NO	QTY	DESCRIPTION
74	-----	3	WASHER, JACKSHAFT -(Refer to Note: *)
90	-----	1	SPACER, SPRING -(Refer to Note: *)
91	-----	1	KIT, BRAKE, LH -(Refer to Note: *)
92	5104652	1	RETAINING RING, BRAKE ARM, ZT4400 (SV)
96	-----	1	SPRING, BRAKE RETURN -(Refer to Note: *)
100	5104385X1	1	KIT, FILTER (SV)
102	-----	1	KIT, FILTER PLUG -(Refer to Note: *)
103	-----	1	TUBE, FILTER, LH -(Refer to Note: *)
104	-----	1	CLAMP, TUBE, FILTER -(Refer to Note: *)
105	-----	1	GROMMET -(Refer to Note: *)
110	-----	1	BEARING, BALL, AXLE INBOARD -(Refer to Note: *)
111	-----	1	RING, RETAINING, .125, EXTERNAL, SPRING -(Refer to Note: *)
112	-----	1	SHAFT, AXLE -(Refer to Note: *)
113	-----	1	WASHER, AXLE, SHAFT BEARING -(Refer to Note: *)
114	-----	1	BEARING, BALL, OUTBOARD -(Refer to Note: *)
117	-----	1	KEY, SHAFT, AXLE -(Refer to Note: *)
118	5104385X7	1	KIT, HUB 5 BOLT (SV)
120	-----	1	NUT, HEX 1-20 SLOTTED -(Refer to Note: *)
121	-----	1	PIN, COTTER, 9/64 X 2 EXTENDED PRONG -(Refer to Note: *)
122	5101987X5	1	AXLE CAP, ZT5400
124	-----	1	TUBE, AXLE 1.40 X2.22 -(Refer to Note: *)
125	-----	1	PLATE, BYPASS -(Refer to Note: *)
126	-----	1	BYPASS ROD -(Refer to Note: *)
127	-----	1	BYPASS RETAINING RING 2 -(Refer to Note: *)
128	-----	1	BYPASS RETAINING RING 1 -(Refer to Note: *)
154	-----	1	ARM, CONTROL, LH -(Refer to Note: *)
156	-----	1	TWHCS, 5/16-24 X 1.00 (PATCH) -(Refer to Note: *)
158	-----	1	SPACER, .320X1.005X.179 -(Refer to Note: *)
159	-----	1	ARM, NEUTRAL, LH -(Refer to Note: *)
160	-----	1	WASHER, .34X.88X.06 -(Refer to Note: *)

Footnotes:

Note: * See your authorized Hydro-Gear dealer for replacement parts.

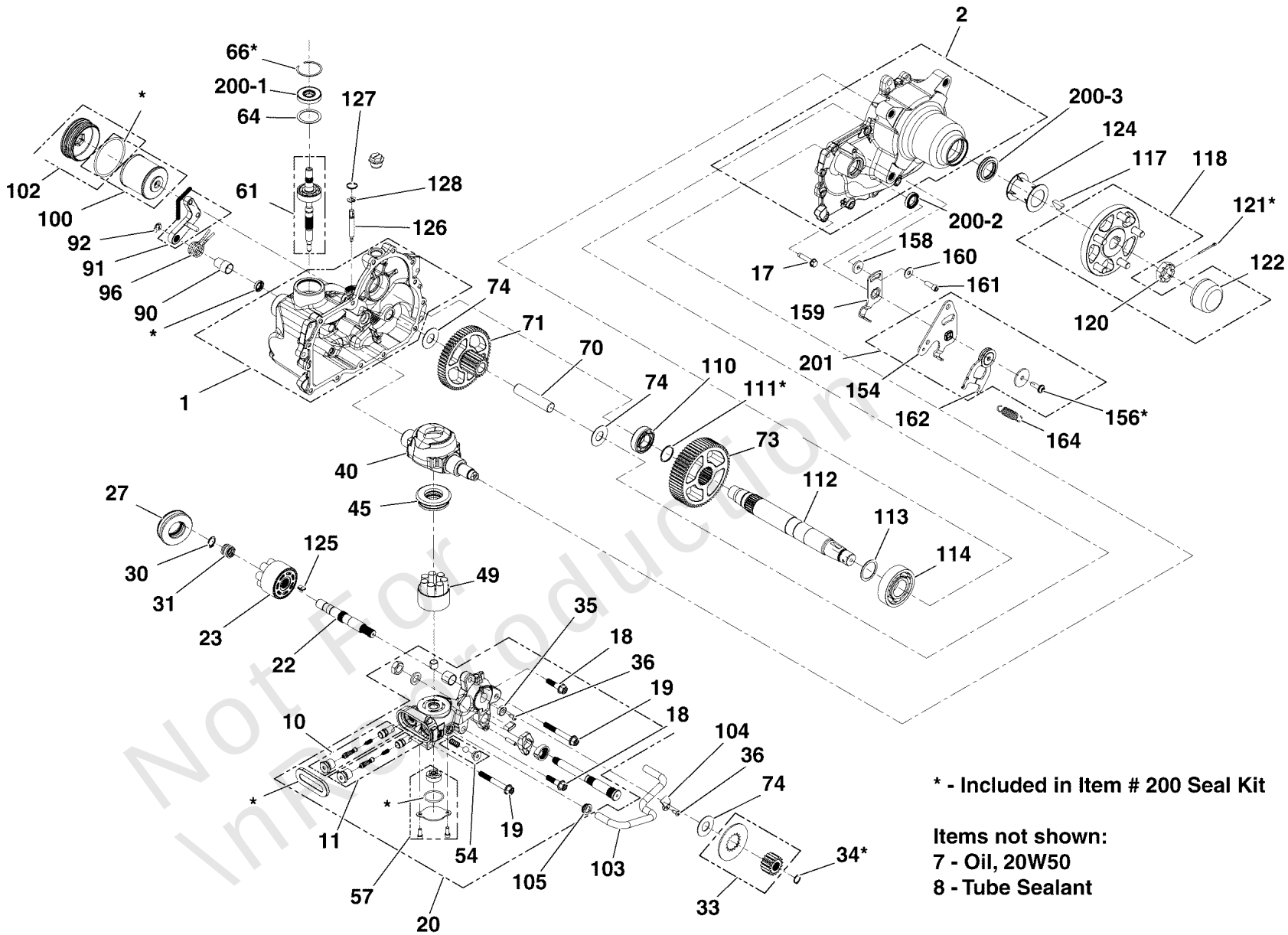
Transaxle Service Parts Group - 5105286 / 5105285

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

HYDRO-GEAR MODEL 1710-1065L (P/N: 5105286)

HYDRO-GEAR MODEL 1710-1065R (P/N: 5105285)



Transaxle Service Parts Group - 5105286 / 5105285

REF NO	PART NO	QTY	DESCRIPTION
161	-----	1	SHCS, 5/16-24 X .875 (PATCH)
162	-----	1	ASSEMBLY, RTN
164	5105285X1	1	SPRING, EXTENSION RTN-44LBS, H/G 51605
200	5104385X2	1	KIT, SEAL (SV)
200-1	5104385X4	1	KIT, INPUT SEAL (SV)
200-2	5104385X6	1	KIT, CONTROL ARM SEAL (SV)
200-3	5104385X5	1	KIT, AXLE SEAL (SV)
201	1735490	1	KIT, L.H. Control Arm

Not For
InReproduction

Footnotes:

Note: * See your authorized Hydro-Gear dealer for replacement parts.

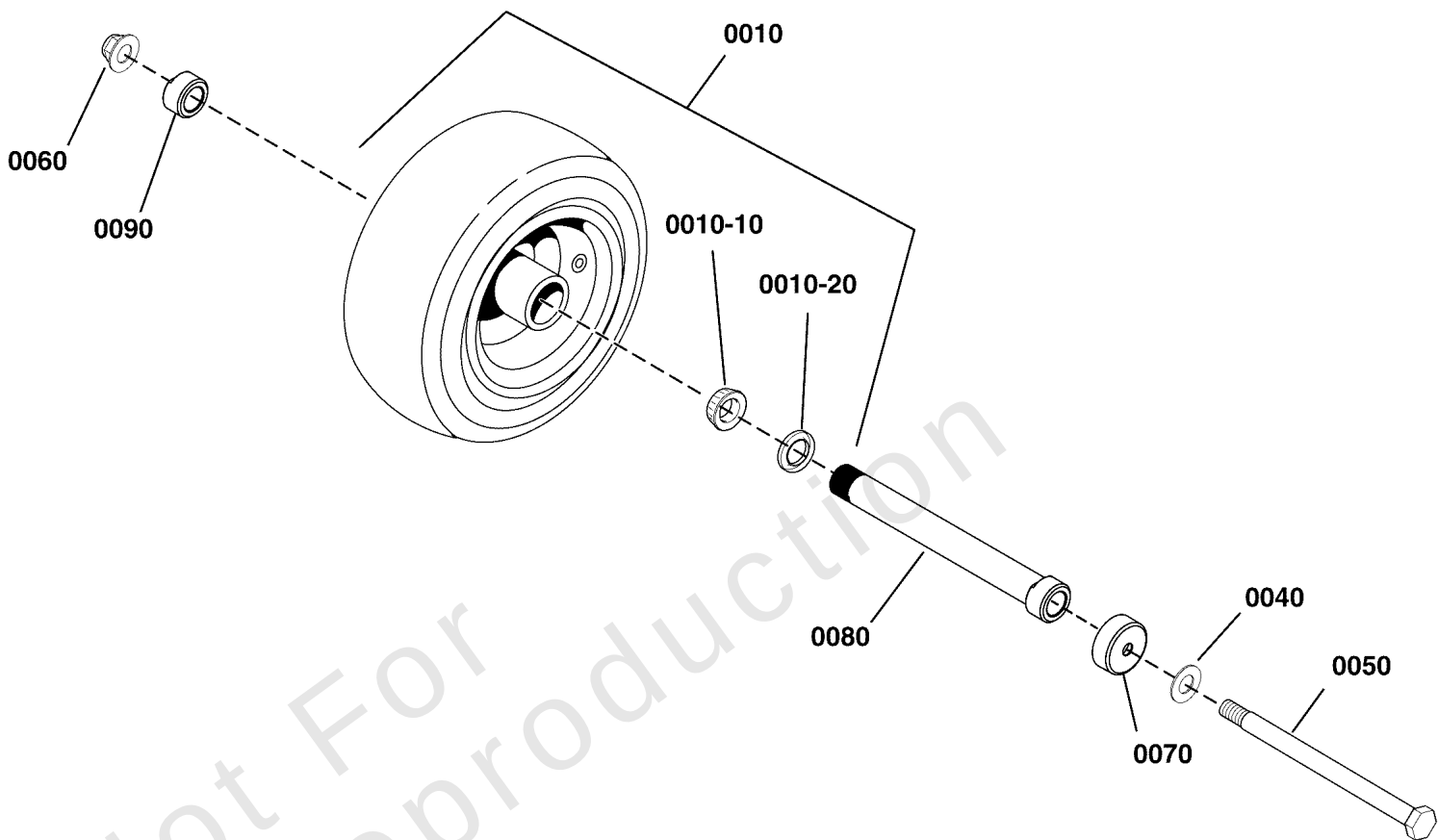
Wheel & Tire Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901691

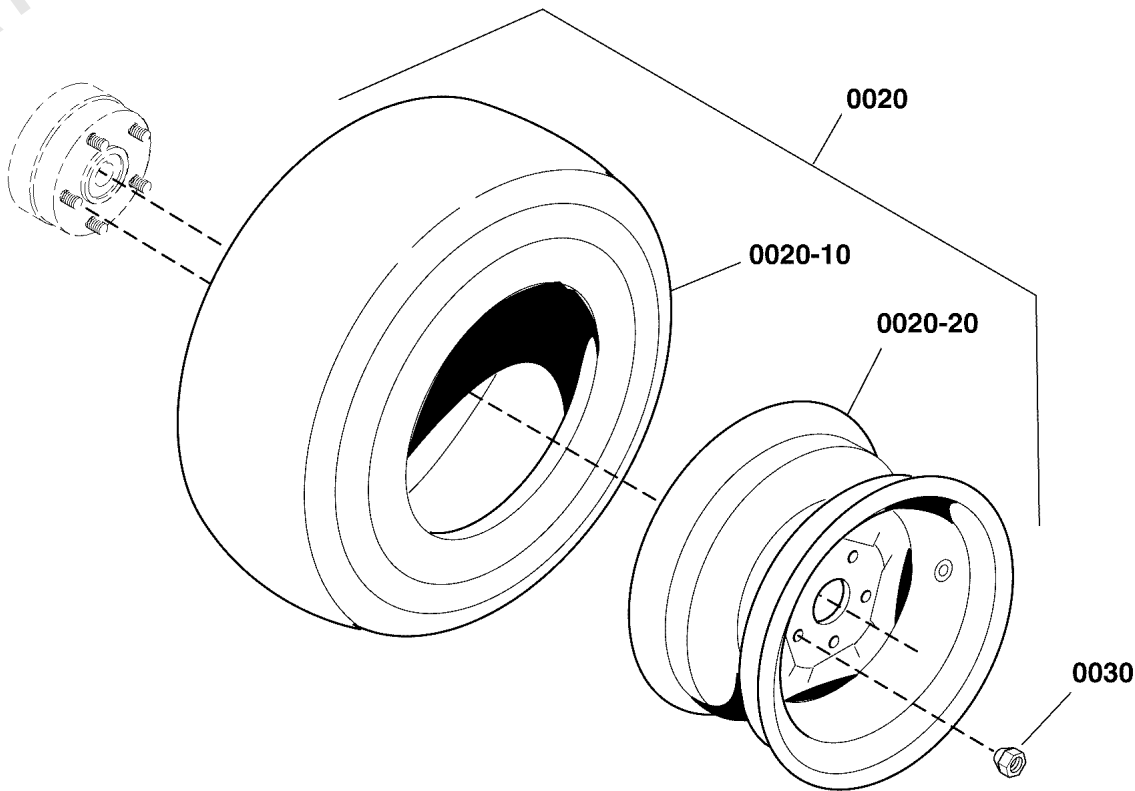
Front Wheels & Tires

5305030



0010-30 - Bearing, Race

Rear Wheels & Tires



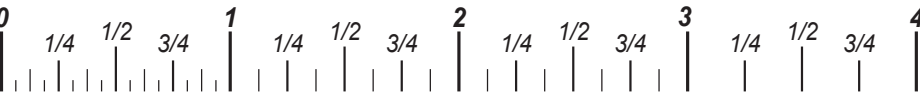
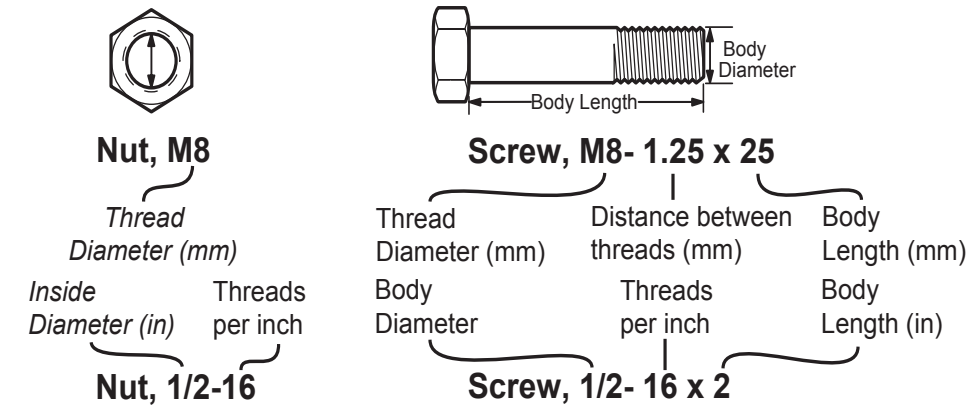
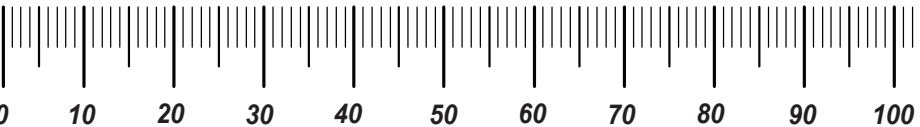
Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5023279	2	TIRE ASSM, 13 X 6.5 - 6, FF / TB
0010-10	5022631SX2	4	BEARING, Tapered Roller -(2 per tire)
0010-20	5022631SX3	4	SEAL, GREASE -(2 per tire)
0010-30	5022631SX4	4	BEARING, RACE -(2 per tire)
0020	5104029	2	TIRE/WHEEL ASM, 24 X 12.00-12, TURF SMART -(S/N: 4000771923 and below)
0020	5023365	2	TIRE ASSM, 24 X 12 - 12, TURF, 5 BOLT -(S/N: 4000771924 and above)
0020-10	5104029X1	2	TIRE, 24X12.00-12, TURF SMART -(S/N: 4000771923 and below)
0020-10	5023240X1	2	TIRE, REAR, 24 x 12 x 12 (SV) -(S/N: 4000771924 and above)
0020-20	5023364	2	WHEEL ASSEMBLY, 12 x 8.5
0030	5020601	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER -(Torque lug nuts to 90 ft. lbs. [122 Nm])
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).

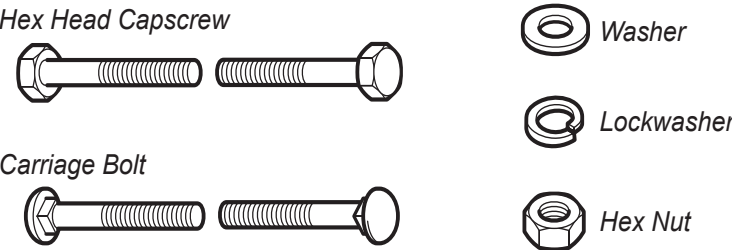
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

