Parts Manual

Mfg. No: 5902068

ISX3300 AUS Series w/ 60" Mower Deck & ROPS (ISX3300BVE4060SS AUS)

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5600860 - Kit, Trailer Hitch (IS3100/IS3200/F320). . . . . .
5600891 - Roll Bar Mounted LED Headlight Kit. . . . . .
5601080 - Service Jack Kit. . . . . .
5601235 - Service Jack Mount Kit (7.25") 2200/3300. . . . . .
5106748S - Laser Edge Blade Set, 60"/61" Deck. . . . . .
5106751X1 - Terra Trac Tire, 26 X 12 - 12. . . . . .
5601441 - Mulch Kit for ZTR with 60" iCD Deck. . . . . .
5601384 - Striping Kit, 60" iCD Deck (Units with wider chassis). . . . . .
5601411 - 60" iCD TURBO-Pro MAX; 3-Bag Soft Top Grass Collection System (ISX3300). . . . . .
5601417 - 60" iCD TURBO-Pro MAX; Electric Dump from Seat Grass Collection System (ISX3300). . . . . .
5601419 - 60" iCD TURBO-Pro MAX; EZ Dump XL 14 cu. ft. Hopper (ISX3300). . . . . .
5601576 - 60" iCD TURBO-Pro MAX; EZ Dump XL 14 cu. ft. Hopper (ISX3300). . . . . .
5108751 - Flat Free Tire Assembly w/ Tapered Bearing, Black (13 X 6.5 - 6). . . . . .
5601573 - 60" iCD TURBO-Pro MAX; 3-Bag Soft Top Grass Collection System (ISX3300). . . . . .
5601372 - Fender Kit. . . . . .

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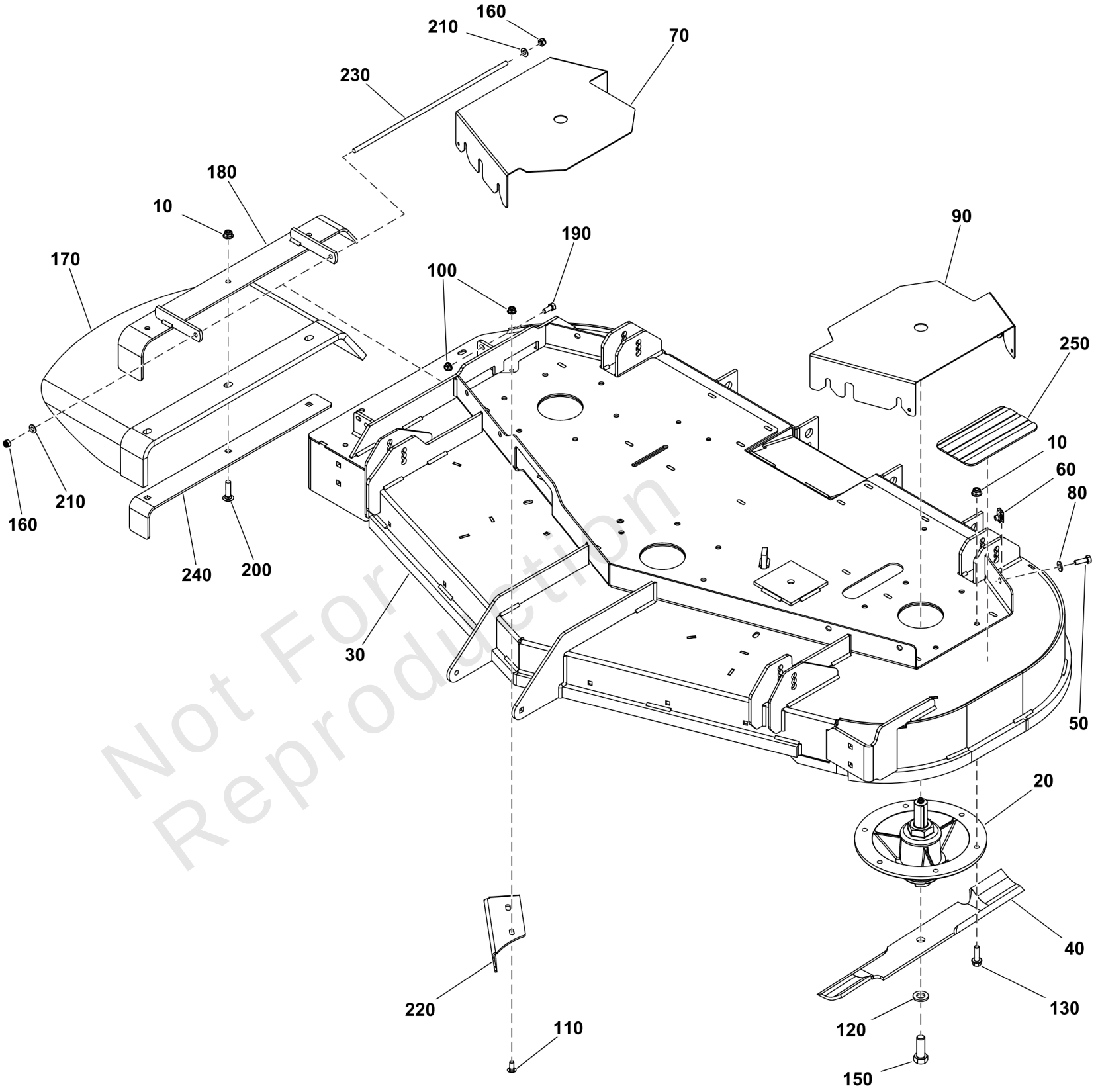
60" iCD+ Mower Deck Group - Housing, Covers, Spindles, and Blades

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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60" iCD+ Mower Deck Group - Housing, Covers, Spindles, and Blades

REF NO	PART NO	QTY	DESCRIPTION
10	5025394SM	21	NUT, 3/8-16 HEX NYLOCK
20	84003242	3	SPINDLE ASSEMBLY
30	84013145	1	DECK SHELL w/Decals -(North American Models)
30	84013146	1	DECK SHELL w/Decals -(AUS Models)
40	5101755S	1	BLADE SET, 61 DECK (3) -(Set of 3 blades)
50	5025011X8FS	6	BOLT
60	5022308SM	6	BODY CLIP, 5/16-18 X
70	84007986	1	GUARD, RH
80	5025292SM	6	WASHER, 5/16" GD.9 FL
90	84007987	1	GUARD, LH
100	5025392FS	9	NUT
110	5025145X6SM	8	BOLT, 5/16-18 X 3/4",
120	5025477SM	3	WASHER, 5/8" YZ
130	5025390X10FS	18	BOLT -(Torque spindle mounting bolt to: 25-30 ft-lbs (34-41 Nm))
150	770136	3	BOLT -(Torque blade mounting bolt to: 120-135 ft-lbs (163-183 Nm))
160	5025045SM	2	NUT, 5/16-24 HEX NYLO
170	84011105	1	CHUTE, Discharge
180	84007973	1	FRAME, Chute
190	5025011X6SM	1	BOLT, 5/16-18 X 3/4"
200	5025146X12YP	3	BOLT, 3/8-16 X 1-1/2
210	703350	2	WASHER
220	84008169	1	DEFLECTOR
230	5061300FS	1	ROD
240	84003245	1	PLATE, SUPPORT
250	5101004SM	1	SAFETY WALK

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60" iCD+ Mower Deck Group - Pulleys, Belts, and Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

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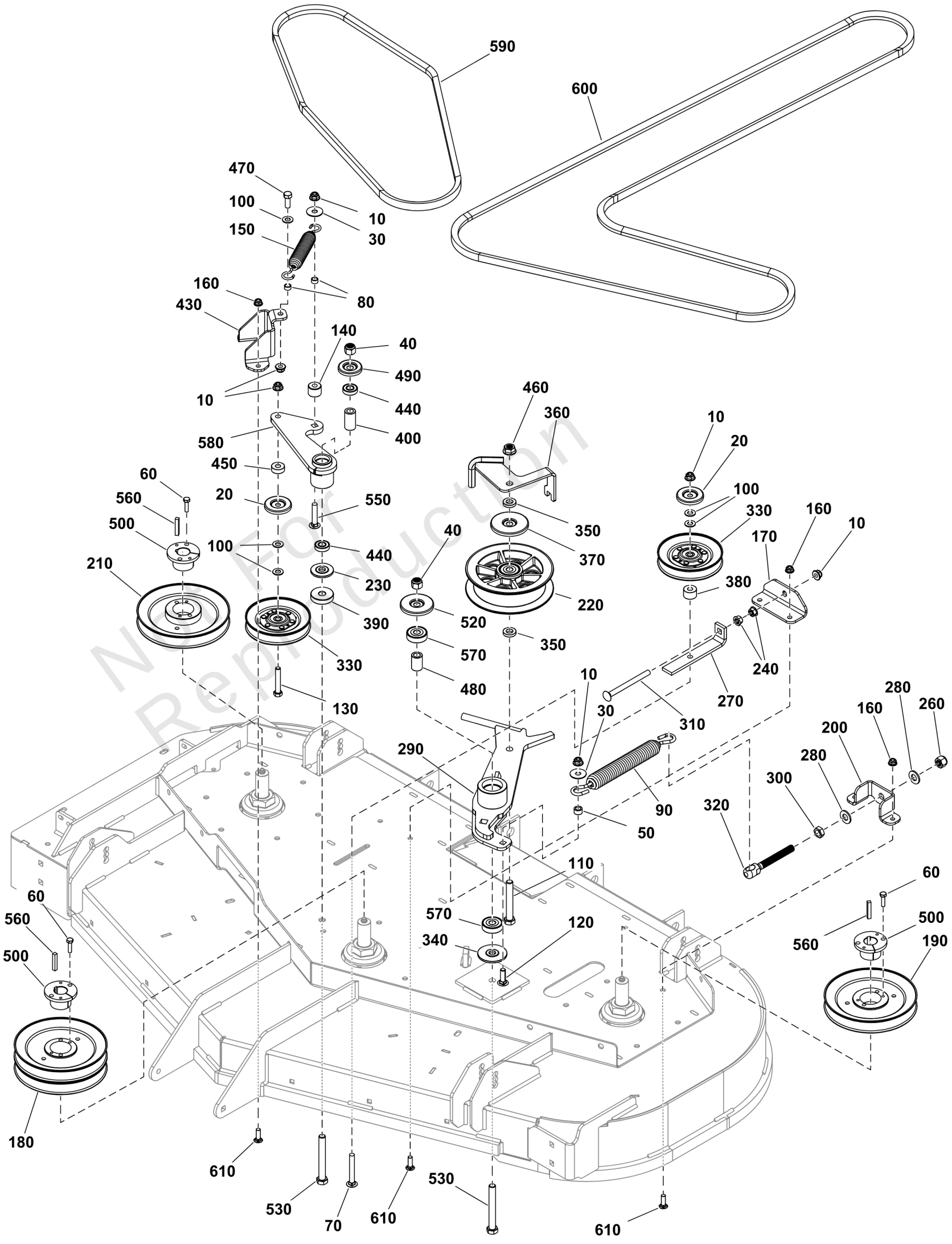

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60" iCD+ Mower Deck Group - Pulleys, Belts, and Idler Arm

REF NO	PART NO	QTY	DESCRIPTION
10	5025394SM	6	NUT, 3/8-16 HEX NYLOCK
20	5105033YP	2	SHIELD
30	5025165SM	2	WASHER, 3/8" FENDER
40	5025056FS	2	NUT
50	5105297YP	1	SPACER
60	5025010X8SM	6	BOLT, 1/4-20 X 1", GD
70	5025146X22YP	1	BOLT, Carriage, 3/8-16 x 2-1/2
80	5041930SM	2	SPACER, .38 X .50 X .
90	5105068YP	1	SPRING
100	5025156FS	5	WASHER
110	5025017X28SM	1	BOLT, 1/2-13 X 3-1/2"
120	703130	1	BOLT
130	5025013X18SM	1	BOLT, 3/8-16 X 2-1/4"
140	5043815YP	1	SPACER
150	5022847SM	1	SPRING, EXTENSION, SW
160	5025392FS	6	NUT
170	84007961	1	PLATE, PULLER MOUNT, SPRING-BLK
180	84003250	1	PULLEY
190	84003249	1	PULLEY
200	84007962	1	PLATE, IDLER BOLT, LONG-BLK
210	84003248	1	PULLEY
220	84007049	1	PULLEY ASSEMBLY
230	5103262YP	1	SPACER, IDLER ARM
240	5025128SM	2	NUT, 3/8-16 HEX SERRA
260	5025098SM	1	NUT, 1/2-20 HEX NYLON
270	5415374AYP	1	PLATE
280	5025158SM	2	WASHER, 1/2" SAE
290	84003252	1	ARM, IDLER
300	5025089SM	1	NUT, 1/2-20 HEX JAM
310	5025146X36YP	1	BOLT
320	5105844YP	1	ANCHOR, SPRING
330	84004874	2	PULLEY
340	5104379YP	1	SPACER
350	5100520SM	2	SPACER .515X1.00X.218
360	84003253	1	GUIDE, BELT
370	5105041YP	1	SHIELD
380	5100334SM	1	SPACER
390	84003251	1	SPACER
400	5103812YP	1	SPACER, .52 X .84 X 1
430	84007963	1	PLATE, SPRING MOUNT - BLK
440	7078243YP	2	BEARING, BALL, AXLE
450	5105429YP	1	SPACER
460	770225	1	NUT
470	5025013X8SM	1	BOLT, 3/8-16 X 1" GD5
480	5104456YP	1	SPACER, .51 X .84 X 1
490	84007959	1	SHIELD, BEARING, 1/2" ID-1.75"
500	5020819SM	3	BUSHING, Tapered Hub (Includes bolts)
520	84007958	1	SHIELD, BEARING, 1/2" ID-2.5"
530	5025017X32YP	2	BOLT, 1/2-13 X 4 GD5
550	5025146X16SM	1	BOLT, 3/8-16 X 2", CA
560	5022726YP	3	KEY 1/4 SQ X 1 1/2

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60" iCD+ Mower Deck Group - Pulleys, Belts, and Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

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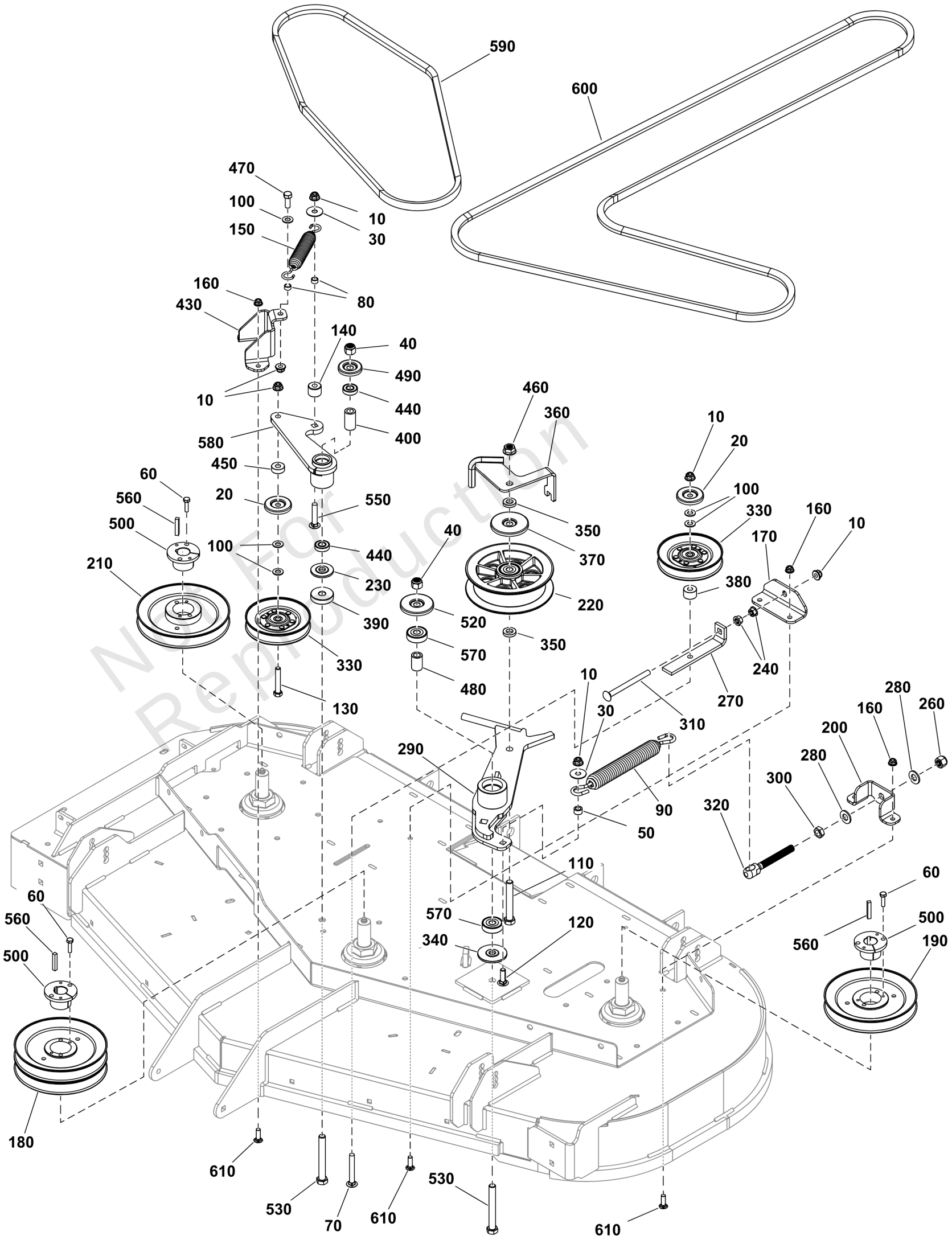

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60" iCD+ Mower Deck Group - Pulleys, Belts, and Idler Arm

REF NO	PART NO	QTY	DESCRIPTION
570	5104383YP	2	BEARING
580	84007960	1	WELD, IDLER ARM, RH BELT - BLK
590	5104780YP	1	BELT
600	5104982YP	1	BELT
610	5025145X8SM	6	BOLT, 5/16-18 X 1", C

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60" iCD+ Mower Deck Group - Pusher Bars

Note: Unless noted otherwise, use the standard torque specifications

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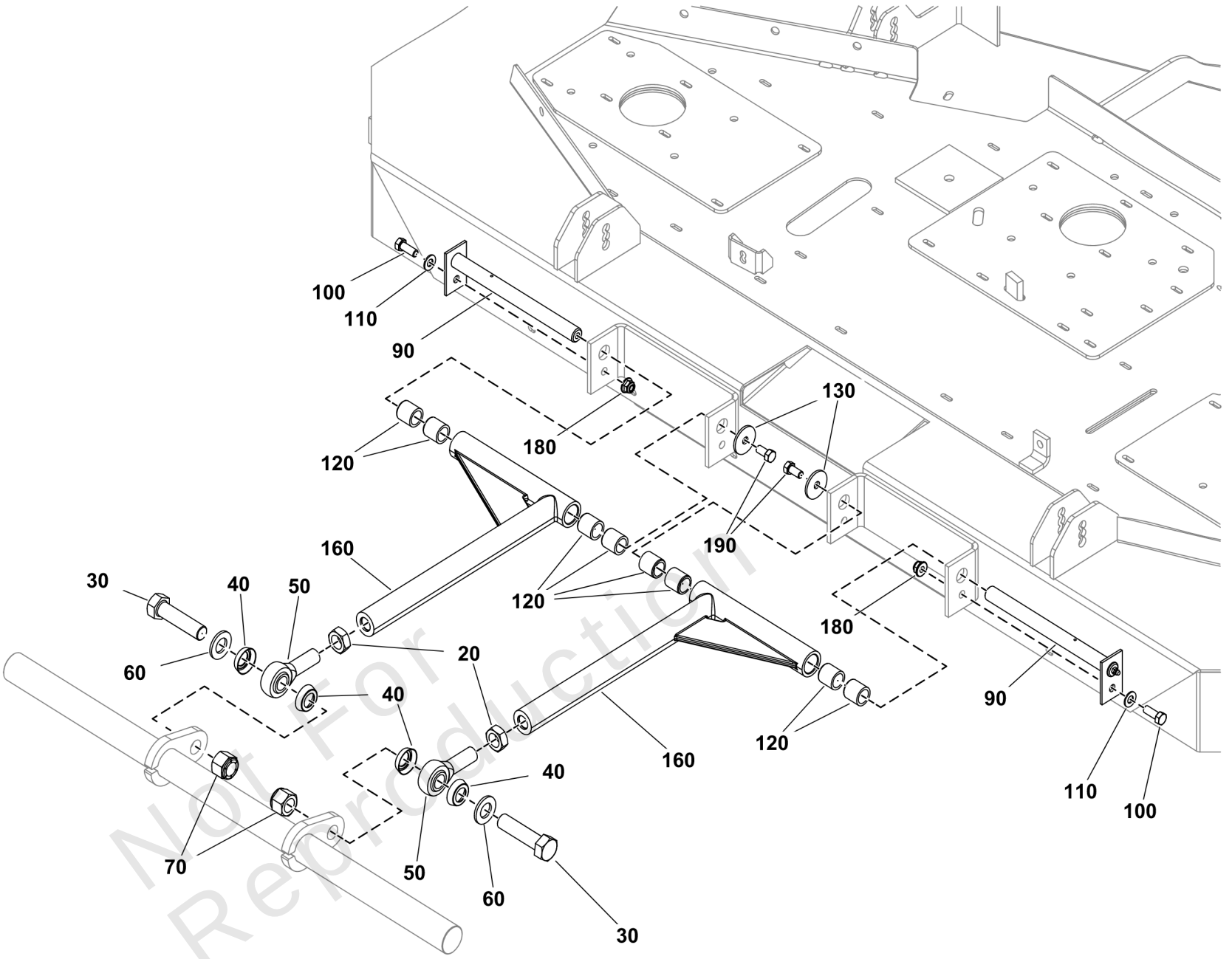

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60" iCD+ Mower Deck Group - Pusher Bars

REF NO	PART NO	QTY	DESCRIPTION
20	5025093SM	2	NUT, 3/4-16 HEX JAM
30	5025265X24SM	2	BOLT, 3/4-16 X 3" YZ
40	5022111SM	4	SEAL, 3/4" ROD END
50	5022039SM	2	BALL JOINT, 3/4-16, M
60	5025160SM	2	WASHER, 3/4" SAE
70	5025284SM	2	NUT, 3/4-16 HEX NYLON
90	84003236	2	SHAFT
100	5025013X8SM	2	BOLT, 3/8-16 X 1" GD5
110	5025156FS	2	WASHER
120	5023344SM	8	BUSHING, .75 X 1.00 X
130	5100548SM	2	WASHER - .39X1.50
160	84003237	2	PUSH BAR ASSEMBLY
180	5025394SM	2	NUT, 3/8-16 HEX NYLOCK
190	5025443SM	2	BOLT - 3/8-16 X 3/4

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60" iCD+ Mower Deck Group - Rollers

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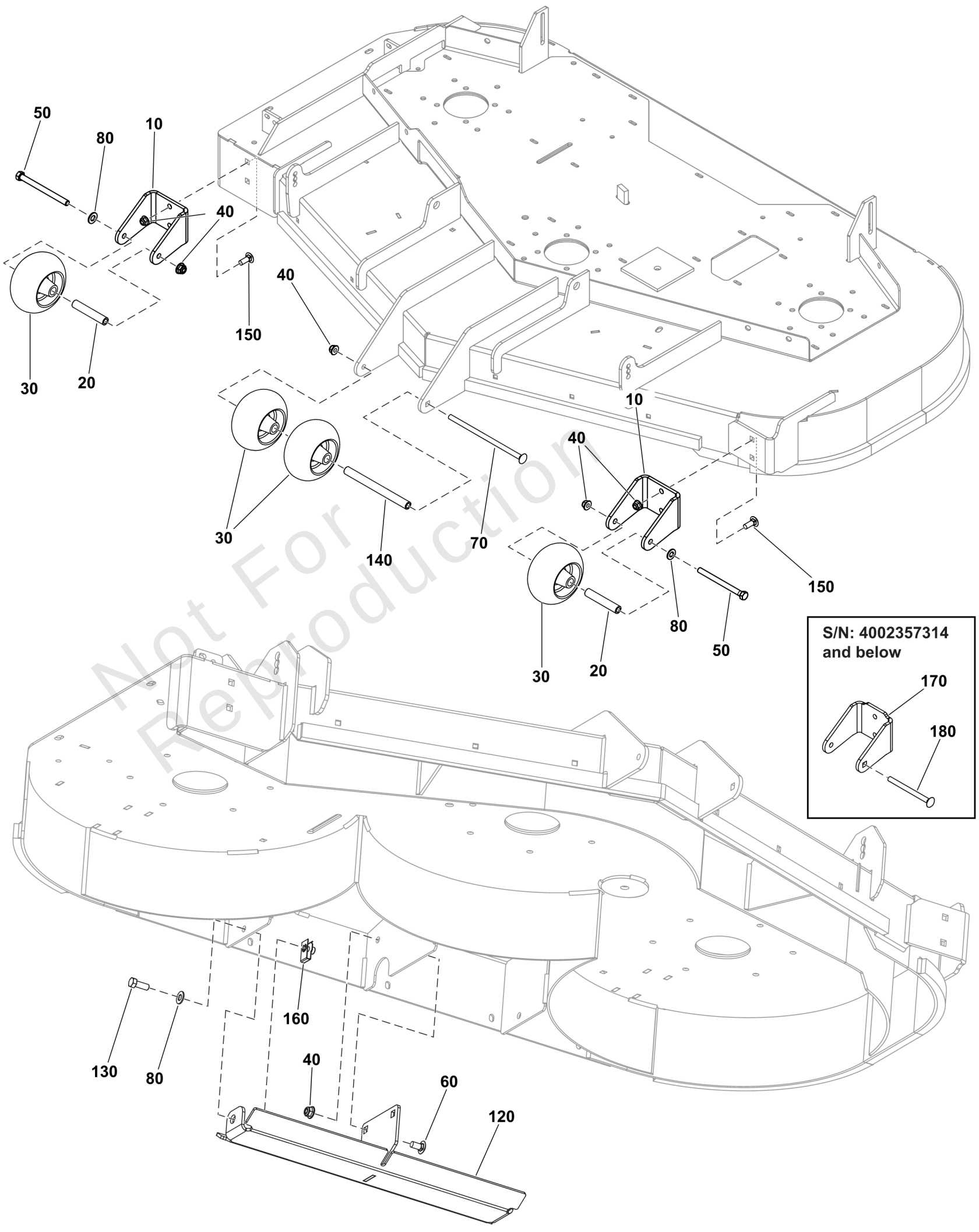

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60" iCD+ Mower Deck Group - Rollers

REF NO	PART NO	QTY	DESCRIPTION
10	84010863	2	MOUNT, Roller -(S/N: 4002357315 and above)
20	5105554YP	2	SPACER
30	5105521FS	4	WHEEL
40	5025394SM	9	NUT, 3/8-16 HEX NYLOCK
50	5025013X36YP	2	BOLT, 3/8-16 X 4-1/2 -(S/N: 4002357315 and above)
60	703814	4	BOLT, RD HD, 3/8-16X1
70	84007856	1	BOLT, Carriage 3/8-16 X 8
80	5025156FS	4	WASHER -(Qty: 2 - S/N: 4002357314 and below)
120	84008092	1	PLATE, Skid
130	5025013X8SM	2	BOLT, 3/8-16 X 1" GD5
140	84007855	1	SPACER
150	703814	2	BOLT, RD HD, 3/8-16X1
160	5022649FS	2	CLIP
170	84007853	2	MOUNT, Roller -(S/N: 4002357314 and below)
180	5025146X36YP	2	BOLT -(S/N: 4002357314 and below)

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Decal Group - Brand and Model

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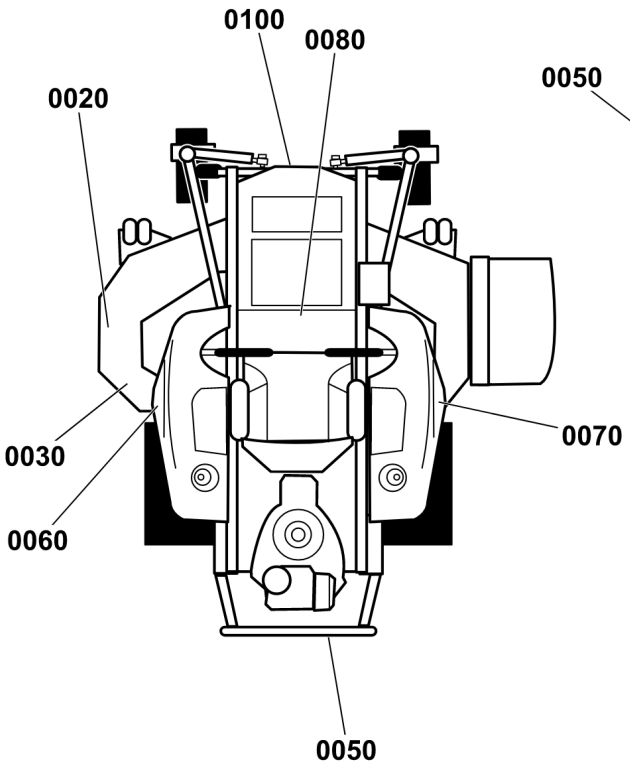

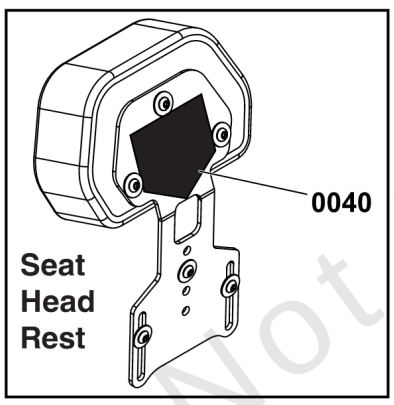

0050

FERRIS

0060

FERRIS®

0040

FERRIS®

0070

FERRIS®

0100

FERRIS®

0020

60"

0030

iCD

CUTTING SYSTEM

0080

ISX 3300

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Decal Group - Brand and Model

REF NO	PART NO	QTY	DESCRIPTION
0020	84007767	1	DECAL, 60"
0030	5102210YP	1	DECAL, ICD CUTTING SY
0040	5104756FS	1	DECAL, BRAND -(Models equipped with a headrest only.)
0050	5103799FS	1	DECAL, BRAND
0060	5108857FS	1	DECAL, Model, Left Hand
0070	5108858FS	1	DECAL, MODEL, RIGHT HAND
0080	5108272FS	1	DECAL, MODEL
0100	5104724FS	1	DECAL, BRAND

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Decal Group - Safety & Operation (Export Models)

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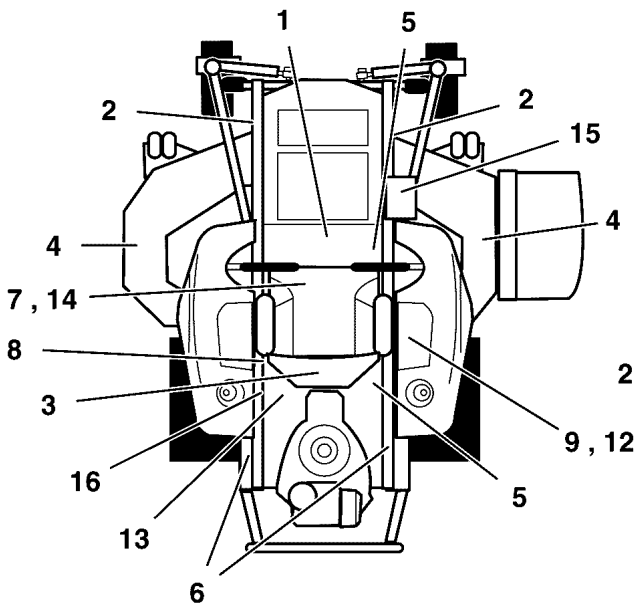
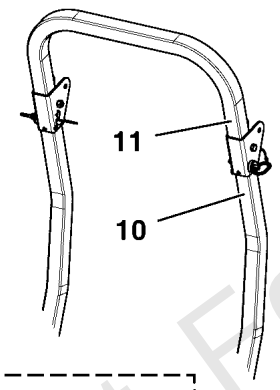
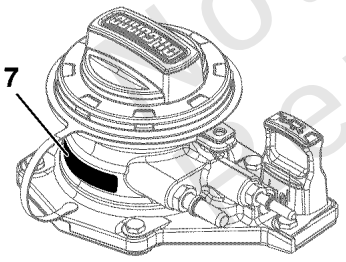
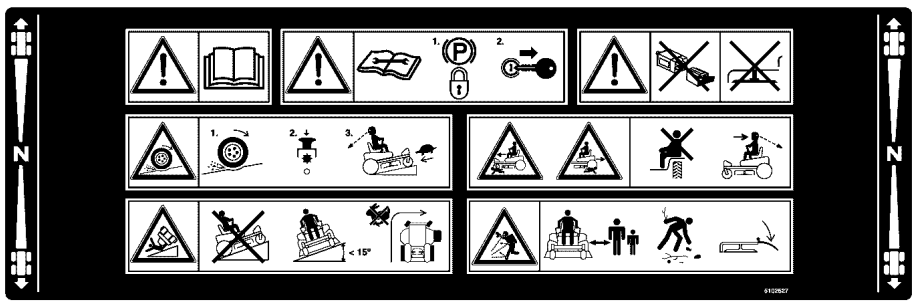
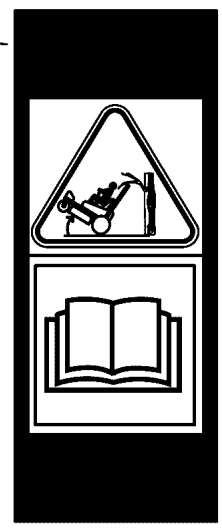


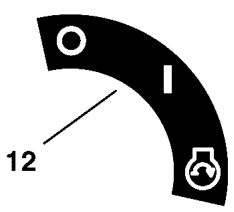


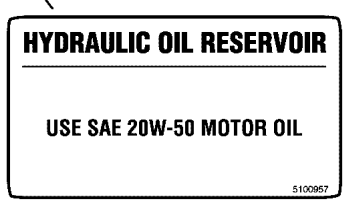
Models with Remote Oil Tank

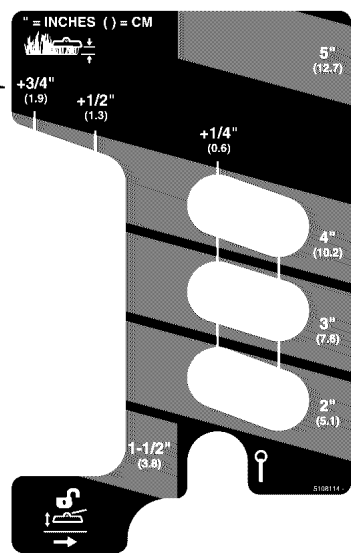












Belts & Blades

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

5105192 -

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Decal Group - Safety & Operation (Export Models)

REF NO	PART NO	QTY	DESCRIPTION
1	5106565	1	DECAL, MAIN SAFETY, EXPORT
2	5061246	2	DECAL, PINCH POINT, CE
3	84008302	1	DECAL, Warning/Safety, Hand in Belt
4	7106109	2	DECAL, DISCHARGE SAFETY, EXPORT
5	5102628	1	DECAL, PARKING BRAKE SYMBOLS
6	5100685	2	DECAL, WARNING, ROLL BAR, CE
7	5102090	1	DECAL, TRANSAXLE RELEASE, S200XT
8	5100342	1	DECAL, FUEL VALVE
9	5100280	1	DECAL, THROTTLE CONTROL
10	5100536	1	DECAL, SAFETY, CE ROPS (SV)
11	5100537	1	DECAL, SAFETY, CE ROPS, OBS (SV)
12	5048970	1	DECAL, IGNITION SWITCH
13	5100957	1	DECAL, HYDRAULIC OIL, 20W50 -(Located on cross rail by hydraulic tanks)
14	5105192	1	DECAL, BELT & BLADE IS3200Z 2BELT
15	5108114	1	DECAL, CUTTING HEIGHT
16	5102456	1	DECAL, FIRE ANSI EXPORT
17	-----	1	LABEL, OIL INFORMATION -(Models w/ Remote Oil Tank Only)

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Deck Lift Group

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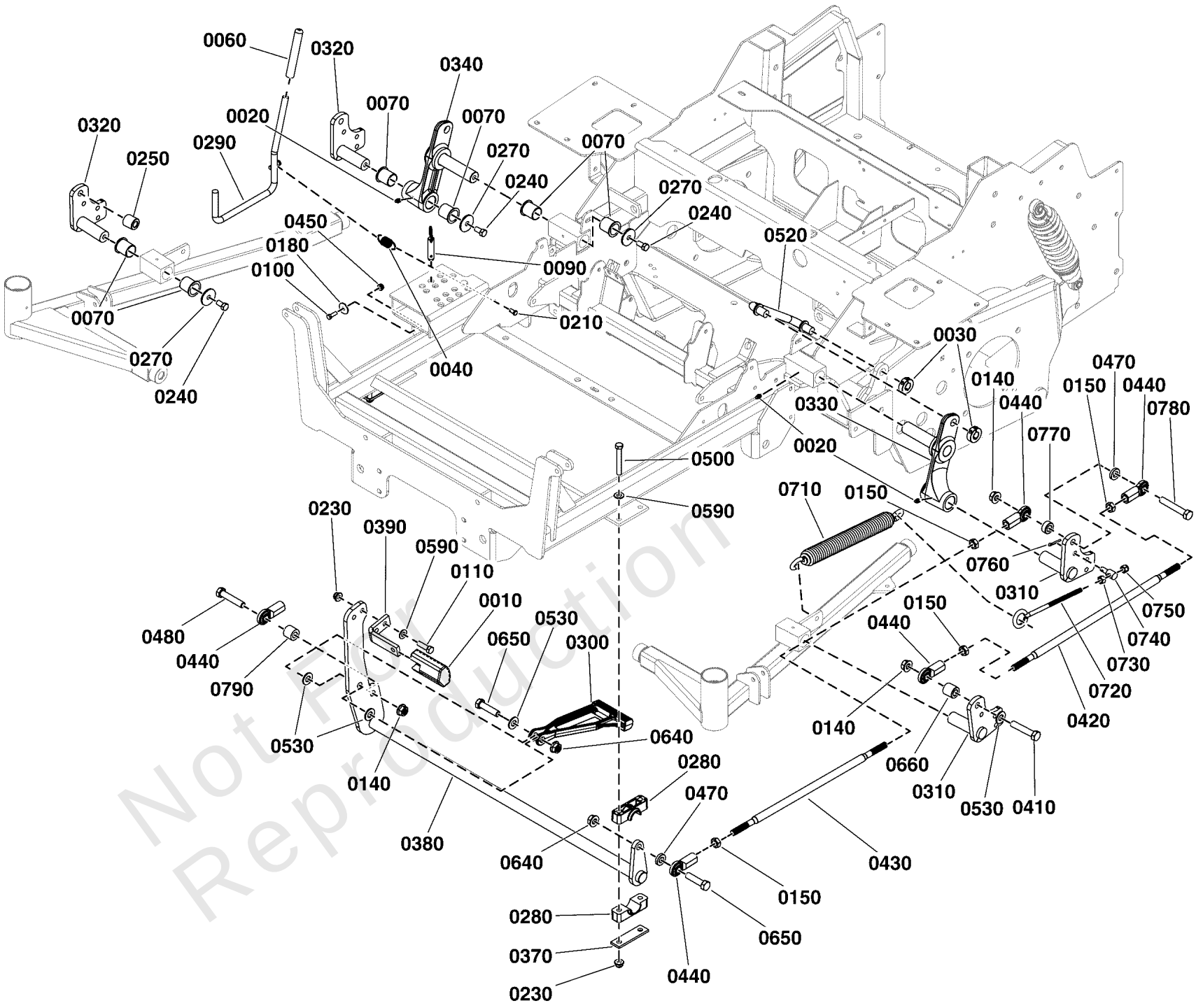

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Deck Lift Group

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, 1/2-13 HEX NYLON LOCK
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	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0240	5025443	6	BOLT, 3/8-16 X 3/4, PLT W/PATCH
0250	5045178	1	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	5410317AAFS	1	ROD, Lift -(S/N: 4002517456 and below)
0290	84013172	1	LATCH, Knurled Handle -(S/N: 4002517457 and above)
0300	5104133	1	LINK, DECK LIFT, CAST IRON
0310	5413901AA	2	WELD, DECK LIFT LEVER, LH - BLK -(For servicing units with black parts)
0310	5413901B	2	WELD, DECK LIFT, LEVER, LH - RED -(For servicing units with red parts)
0320	5413902AA	2	WELD, DECK LIFT LEVER, RH - BLK -(For servicing units with black parts)
0320	5413902B	2	WELD, DECK LIFT, LEVER, RH - RED -(For servicing units with red parts)
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	5420030AA	1	WELD, DECK LIFT SHAFT - 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	5	WASHER, 1/2 SAE
0590	5025156	6	WASHER, 3/8 SAE
0640	5025396	3	NUT, Hex Flange, Nylock, 1/2-13
0650	5025017X16	2	BOLT, 1/2-13 X 2" GD5 CZ
0660	5045178	1	SPACER, .52 X 1.00 X .75, CZ
0710	5023392	2	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

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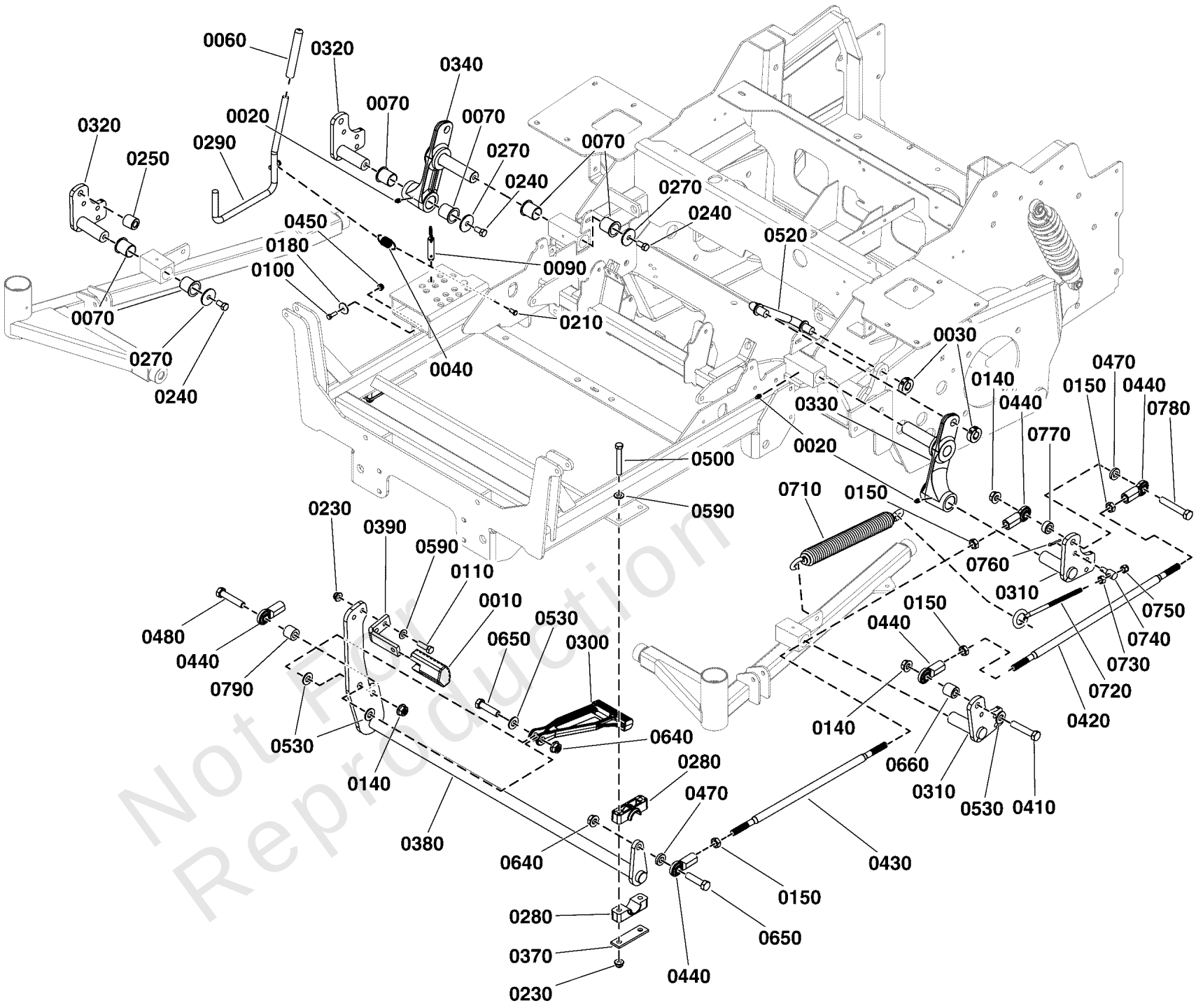
Deck Lift Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Deck Lift Group

REF NO	PART NO	QTY	DESCRIPTION
0740	5100380	2	* ADJUSTER, DECK HANGER
0750	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
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	5045178	1	SPACER, .52 X 1.00 X .75, CZ

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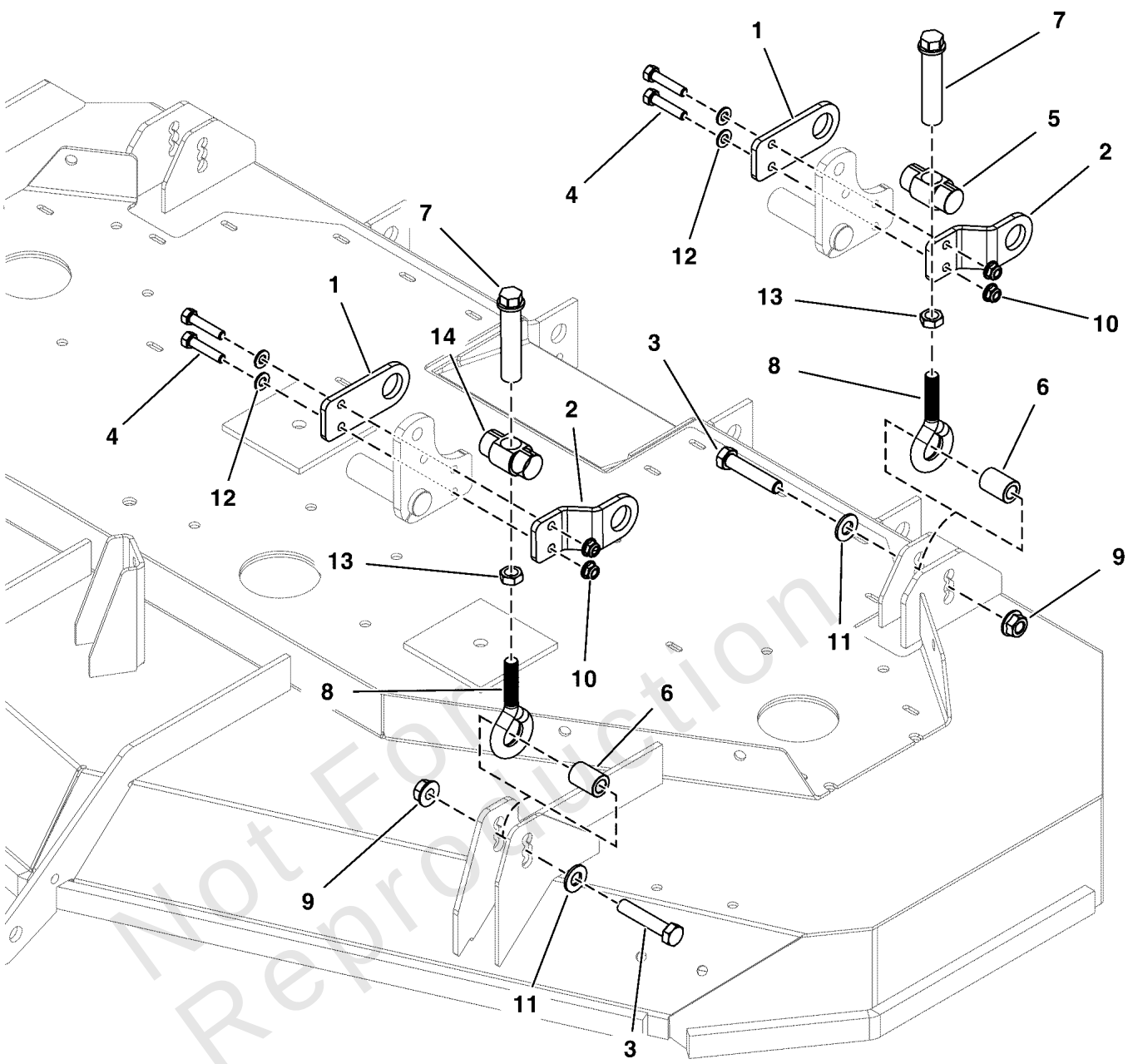
Deck Lift Group - Deck Hangers

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

5303886C
5303958C



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Deck Lift Group - Deck Hangers

REF NO	PART NO	QTY	DESCRIPTION
1	84003300	4	MOUNT
2	84003301	4	MOUNT
3	5025017X20SM	4	BOLT, 1/2-13 X 2-1/2
4	5025013X12SM	8	BOLT, 3/8-16 X 1-1/2"
5	84003302	2	TRUNNION
6	84003303	4	SPACER
7	5109915FS	4	ADJUSTER, HEIGHT
8	84003305	4	EYE BOLT
9	770225	4	NUT
10	5025394SM	8	NUT, 3/8-16 HEX NYLOCK
11	5025158SM	4	WASHER, 1/2" SAE
12	5025156FS	8	WASHER
13	5025089SM	4	NUT, 1/2-20 HEX JAM
14	84003306	2	TRUNNION

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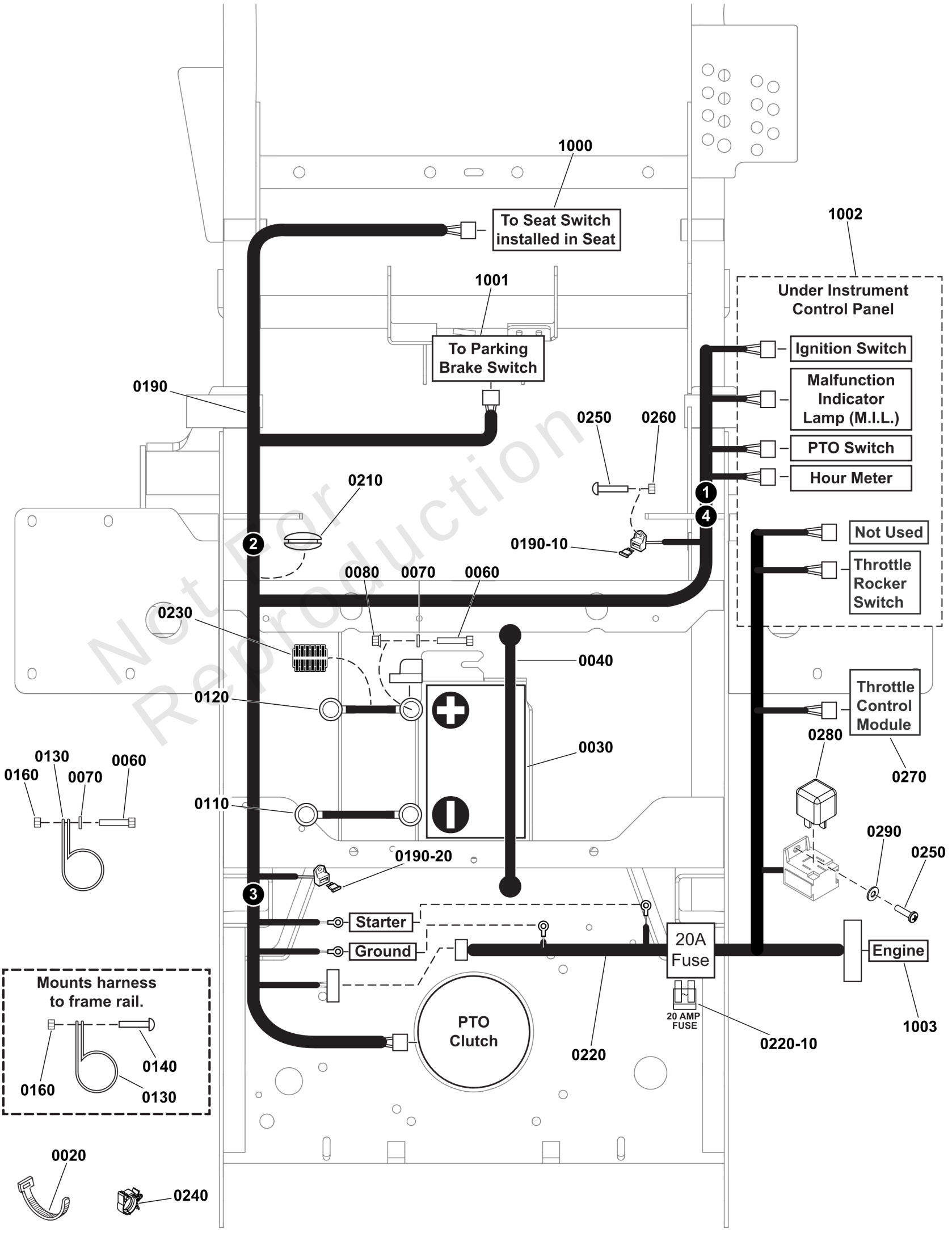
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Electrical Group - Briggs & Stratton Models with ETC S/N: 4002182645 to 4002328396

REF NO	PART NO	QTY	DESCRIPTION
0020	5021029SM	8	TIE, Cable 11" Long
0030	-----	1	BATTERY, 11U1L, 350 CCA
0040	1722009FS	1	STRAP
0060	5025010X6SM	4	BOLT, 1/4-20 X 3/4" G
0070	84007033	4	WASHER
0080	5025126FS	4	NUT
0110	5021406SM	1	BATTERY CABLE, NEGATI
0120	5021405SM	1	BATTERY CABLE, POSITI
0130	5021500FS	4	CLAMP
0140	5025299X8YP	2	CAPSCREW
0160	5025391FS	4	NUT
0190	5105535YP	1	HARNESS-WIRING
0190-10	5101935YP	2	FUSE, ATO 15 AMP -(SV)
0190-20	5102710YP	1	FUSE -(SV)
0210	5102677YP	1	GROMMET, 1-1/2" ID FOR 1/4" METAL
0220	84008164	1	HARNESS, JUMPER, BRIGGS EFI, 16 PIN -(Includes item #0220-10.)
0220-10	5021603SM	1	FUSE, ATO, 20 AMP -(SV)
0230	5050927X16YP	1	WIRE LOOM
0240	5104705YP	2	CLIP
0250	5025179X6SM	1	SCREW - #10-24
0260	5025271FS	1	NUT
0270	84006408	1	MODULE, Throttle Control
0280	5021766SM	1	RELAY, 12V, 40A
0290	1910531SM	1	WASHER, Rivet, 3/16
1000	-----	1	Refer to: Seat Mount & Floor Group
1001	-----	1	Refer to: Parking Brake Group
1002	-----	1	Refer to: Instrument Control Panel Group
1003	-----	1	Connects to Engine

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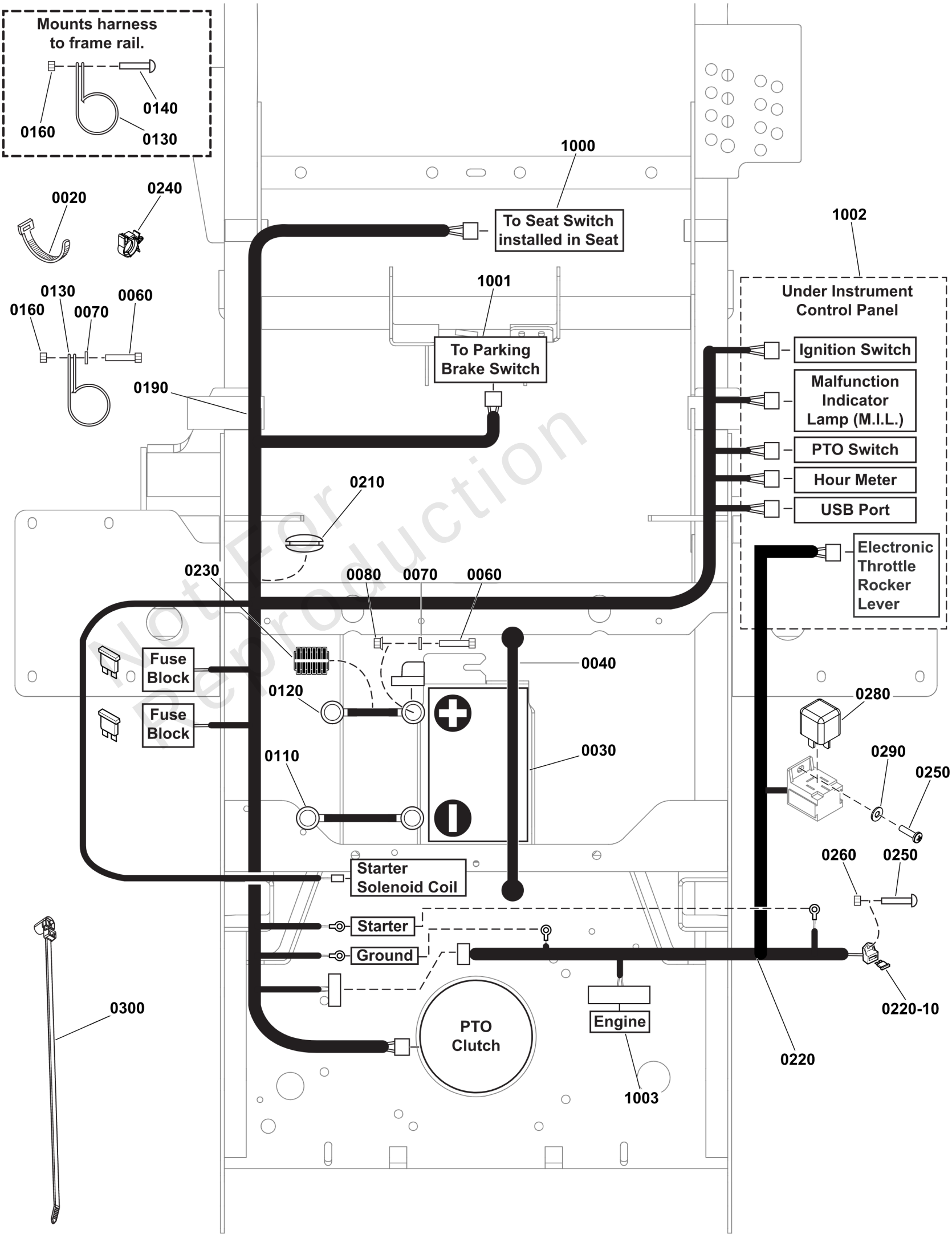
Electrical Group - Briggs & Stratton Models with ETC S/N: 4002328397 and above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Electrical Group - Briggs & Stratton Models with ETC S/N: 4002328397 and above

REF NO	PART NO	QTY	DESCRIPTION
0020	5021029SM	8	TIE, Cable 11" Long
0030	-----	1	BATTERY, 11U1L, 350 CCA
0040	1722009FS	1	STRAP
0060	5025010X6SM	4	BOLT, 1/4-20 X 3/4" G
0070	84007033	4	WASHER
0080	5025126FS	4	NUT
0110	5021406SM	1	BATTERY CABLE, NEGATI
0120	5021405SM	1	BATTERY CABLE, POSITI
0130	5021500FS	4	CLAMP
0140	5025299X8YP	2	CAPSCREW
0160	5025391FS	4	NUT
0190	84011123	1	HARNESS, Wiring
0210	5102677YP	1	GROMMET, 1-1/2" ID FOR 1/4" METAL
0220	84011530	1	HARNESS, Wiring -(Includes item #0220-10.)
0220-10	5021603SM	1	FUSE, ATO, 20 AMP -(SV)
0230	5050927X16YP	1	WIRE LOOM
0240	5104705YP	2	CLIP
0250	5025179X6SM	1	SCREW - #10-24
0260	5025271FS	1	NUT
0280	5021766SM	1	RELAY, 12V, 40A
0290	1910531SM	2	WASHER, Rivet, 3/16
0300	84011125	1	CABLE, Tie (Sold as a bag of 5)
1000	-----	1	Refer to: Seat Mount & Floor Group
1001	-----	1	Refer to: Parking Brake Group
1002	-----	1	Refer to: Instrument Control Panel Group
1003	-----	1	Connects to Engine

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Electrical Schematic - Charging Circuit - B&S 61G877 S/N: 4002182645 to 4002328396

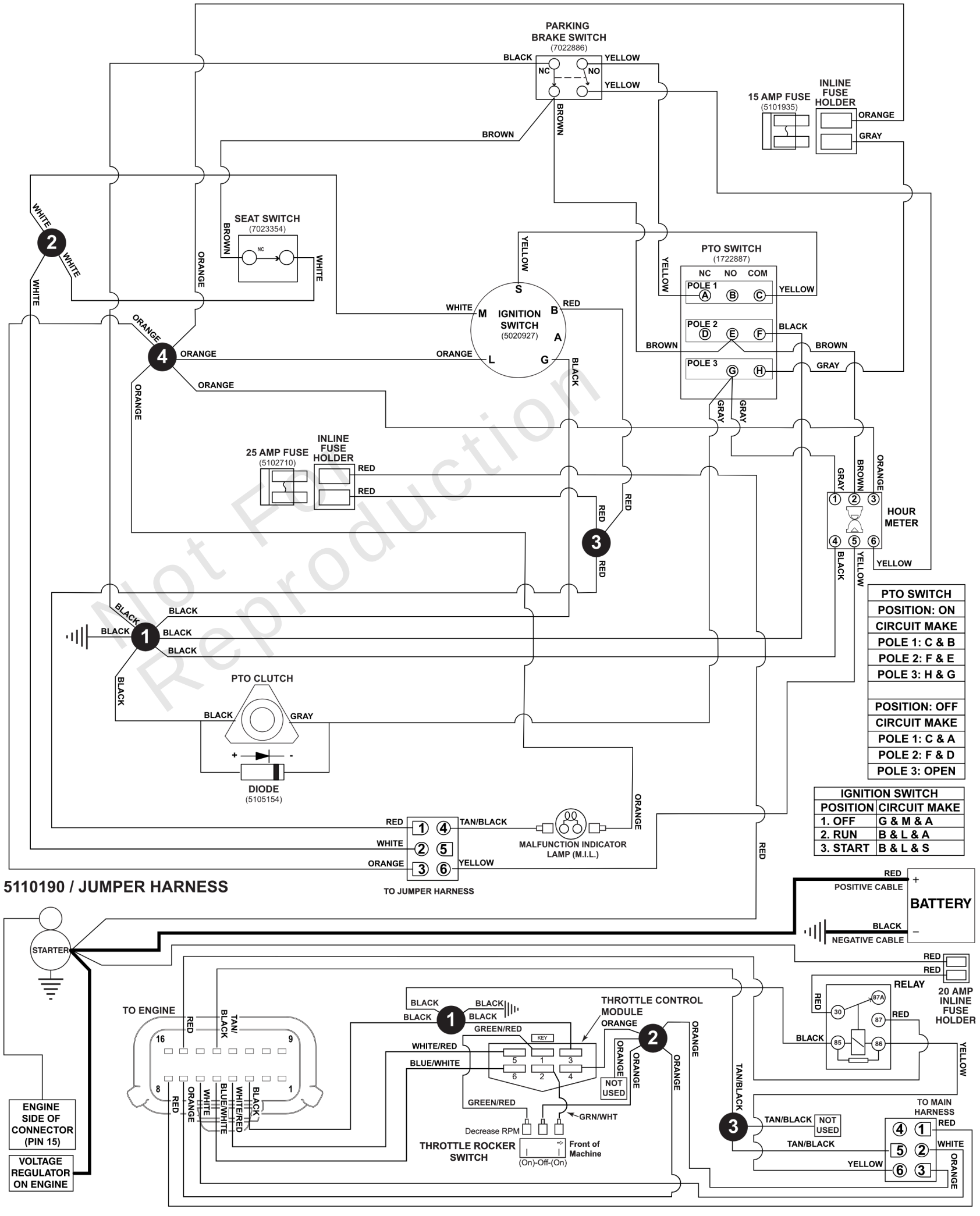
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES

5105535I

(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 - B&S 61G877 S/N: 4002182645 to 4002328396

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535YP	1	HARNESS-WIRING
5110190	84008164	1	HARNESS, JUMPER, BRIGGS EFI, 16 PIN

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Electrical Schematic - Charging Circuit - B&S 61G877 S/N: 4002328397 and Above

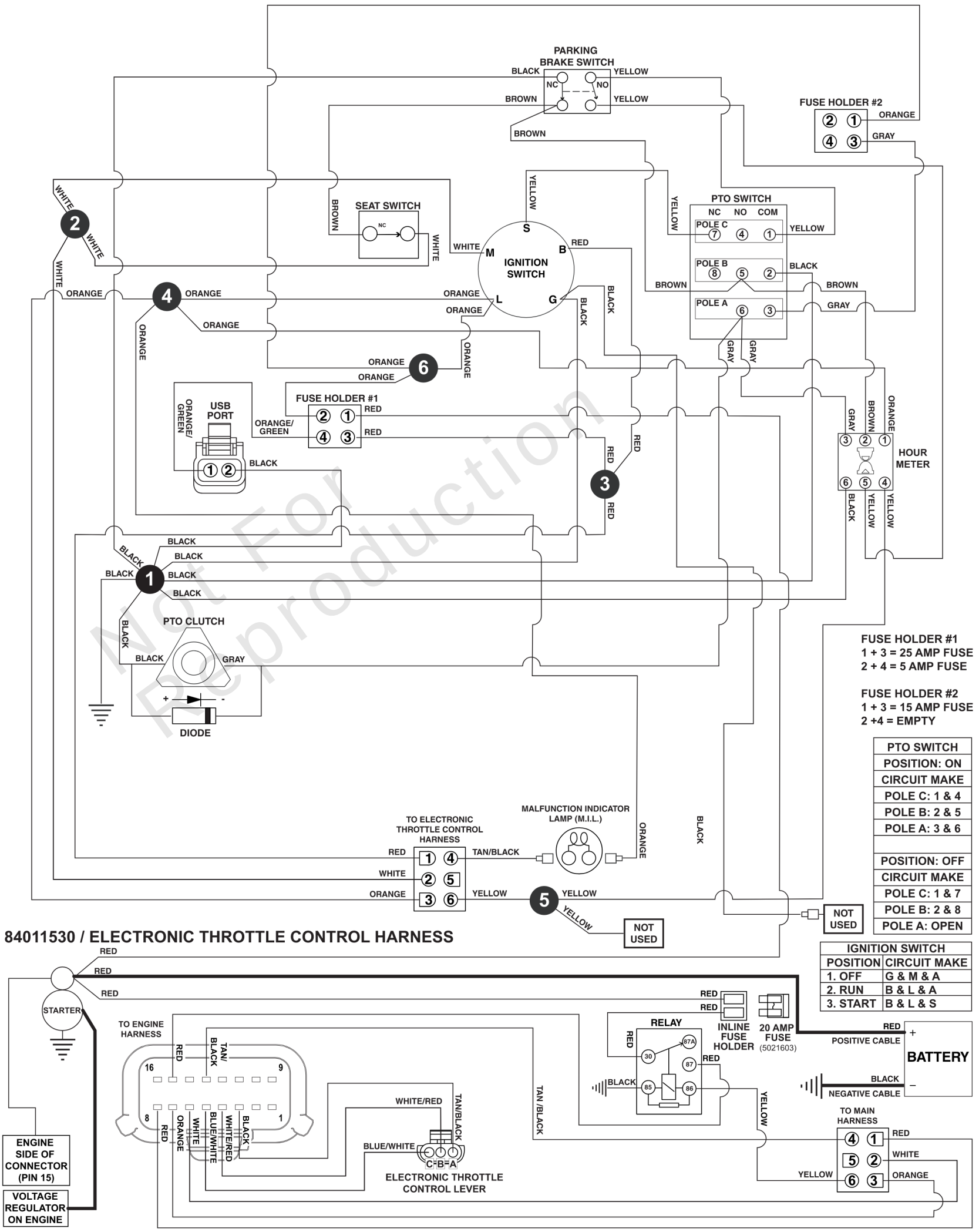
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

84011123 / MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES WITH ETC

5111234E

(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.)



84011530 / ELECTRONIC THROTTLE CONTROL HARNESS

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Electrical Schematic - Charging Circuit - B&S 61G877 S/N: 4002328397 and Above

REF NO	PART NO	QTY	DESCRIPTION
84011123	84011123	1	HARNESS, Wiring
84011530	84011530	1	HARNESS, Wiring

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Electrical Schematic - Cranking Circuit - B&S 61G877 S/N: 4002182645 to 4002328396

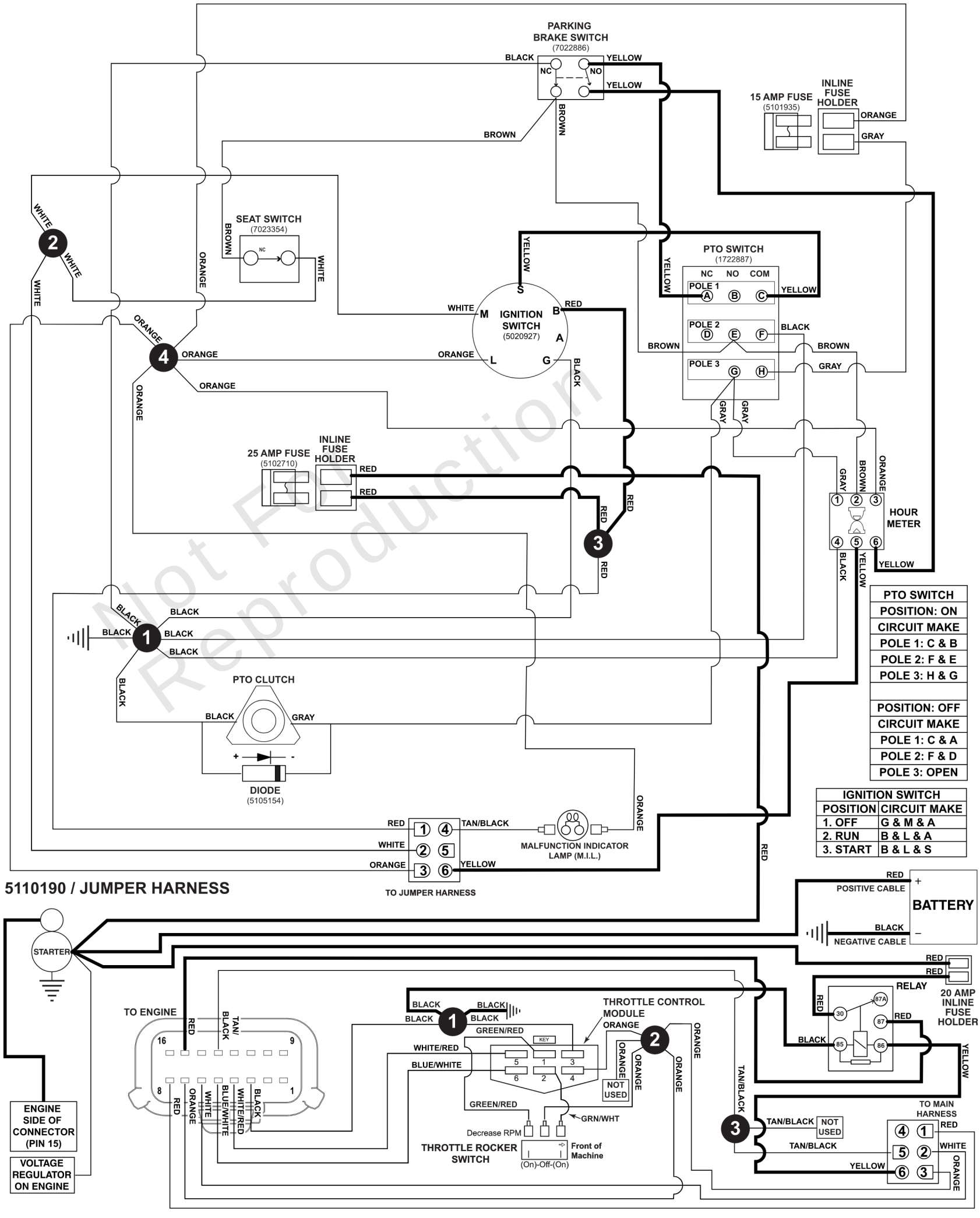
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES

5105535I

(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 - B&S 61G877 S/N: 4002182645 to 4002328396

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535YP	1	HARNESS-WIRING
5110190	84008164	1	HARNESS, JUMPER, BRIGGS EFI, 16 PIN

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Electrical Schematic - Cranking Circuit - B&S 61G877 S/N: 4002328397 and Above

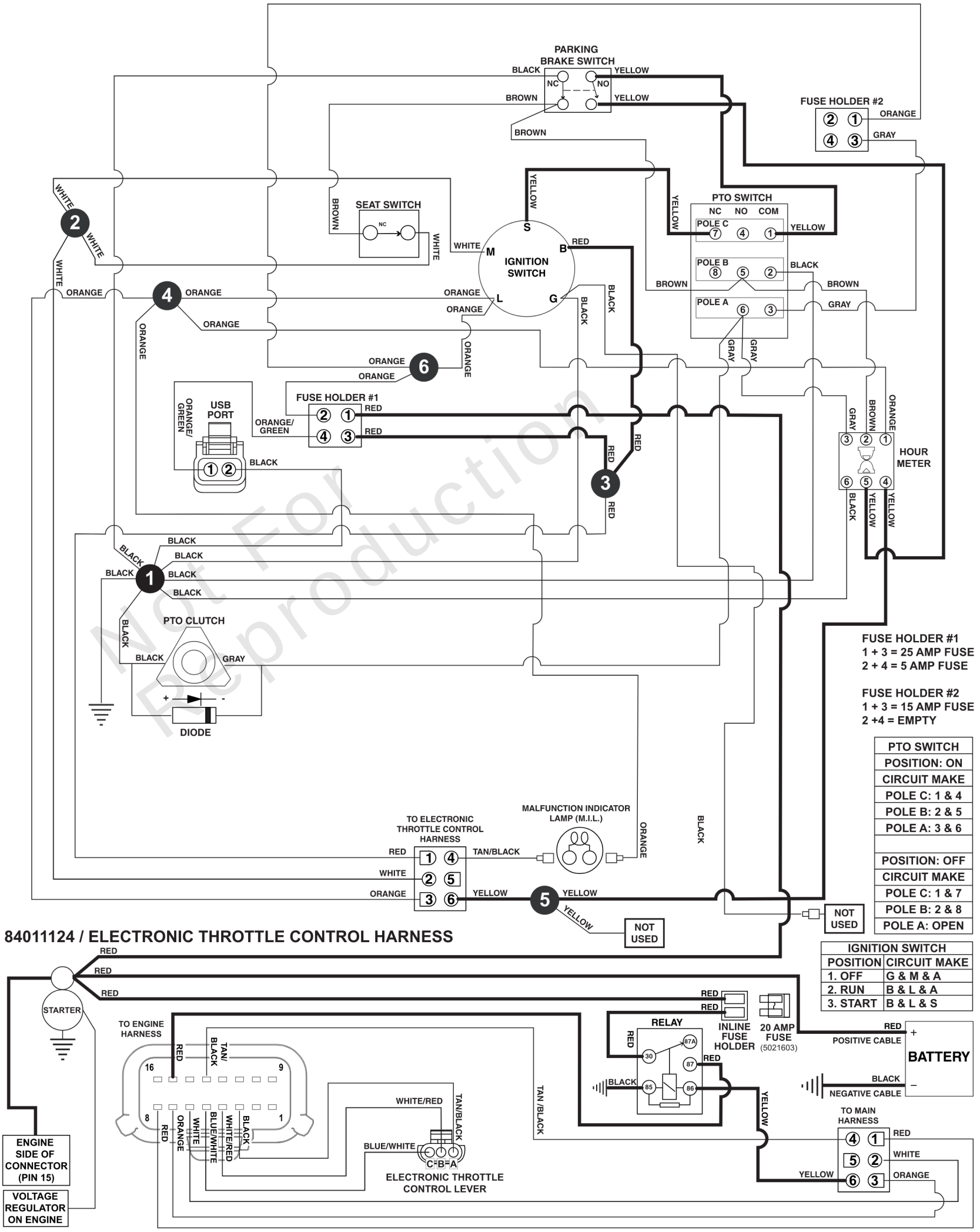
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

84011123 / MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES WITH ETC

5111234E

(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.)



84011124 / ELECTRONIC THROTTLE CONTROL HARNESS

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Electrical Schematic - Cranking Circuit - B&S 61G877 S/N: 4002328397 and Above

REF NO	PART NO	QTY	DESCRIPTION
84011123	84011123	1	HARNESS, Wiring
84011530	84011530	1	HARNESS, Wiring

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Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 61G877 S/N: 4002182645 to

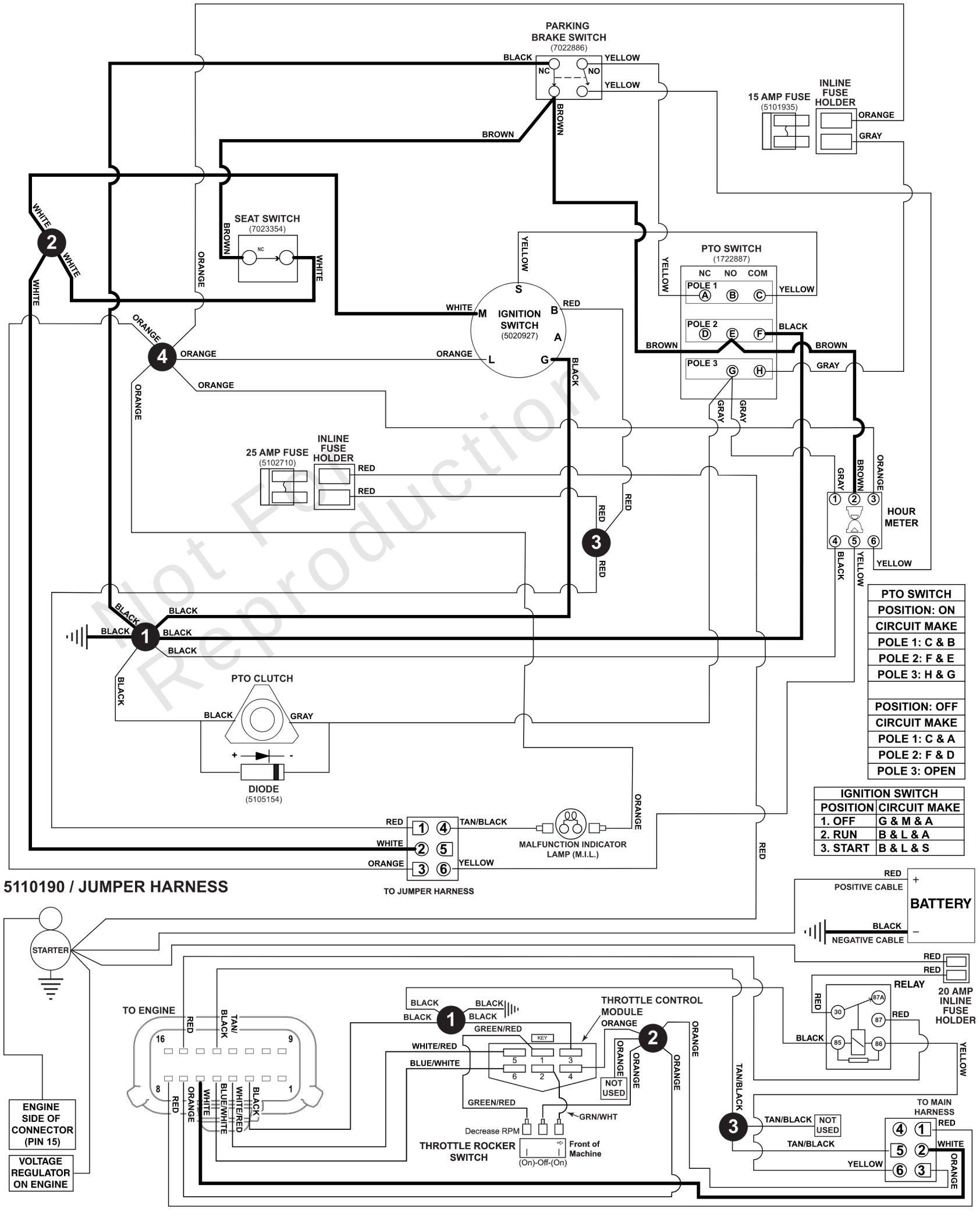
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES

5105535I

(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. - B&S 61G877 S/N: 4002182645 to

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535YP	1	HARNESS-WIRING
5110190	84008164	1	HARNESS, JUMPER, BRIGGS EFI, 16 PIN

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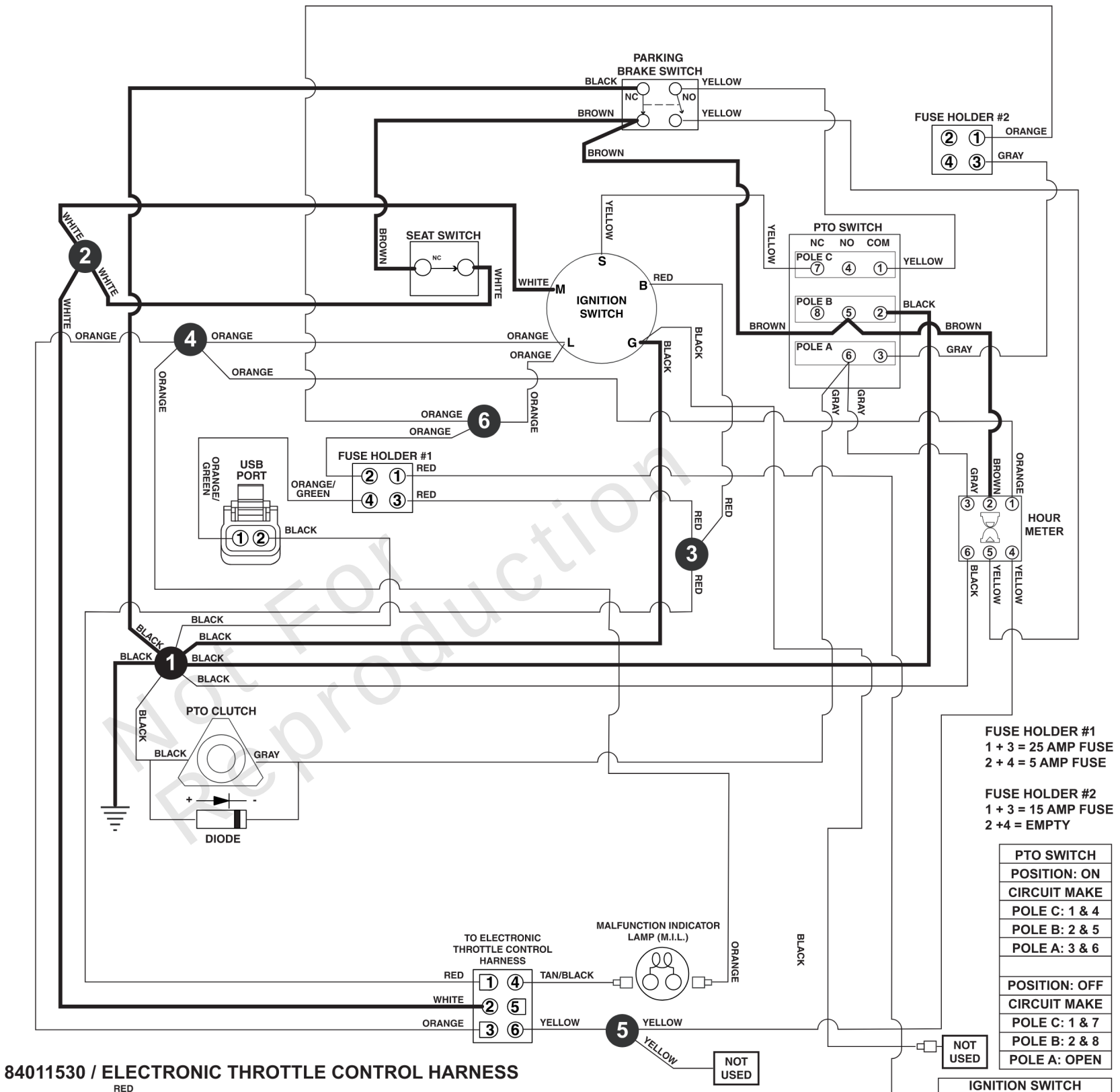
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

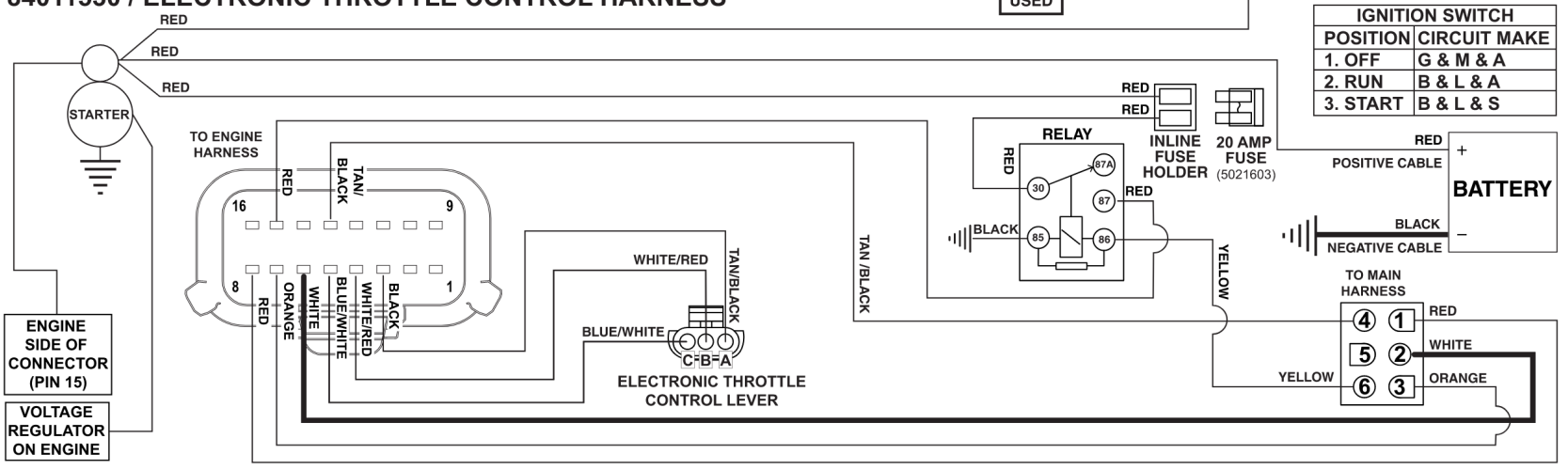
84011123 / MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES WITH ETC

5111234E

(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.)



84011530 / ELECTRONIC THROTTLE CONTROL HARNESS



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. - B&S 61G877 S/N: 4002328397 and

REF NO	PART NO	QTY	DESCRIPTION
84011123	84011123	1	HARNESS, Wiring
84011530	84011530	1	HARNESS, Wiring

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Electrical Schematic - PTO Clutch Circuit - B&S 61G877 S/N: 4002182645 to 4002328396

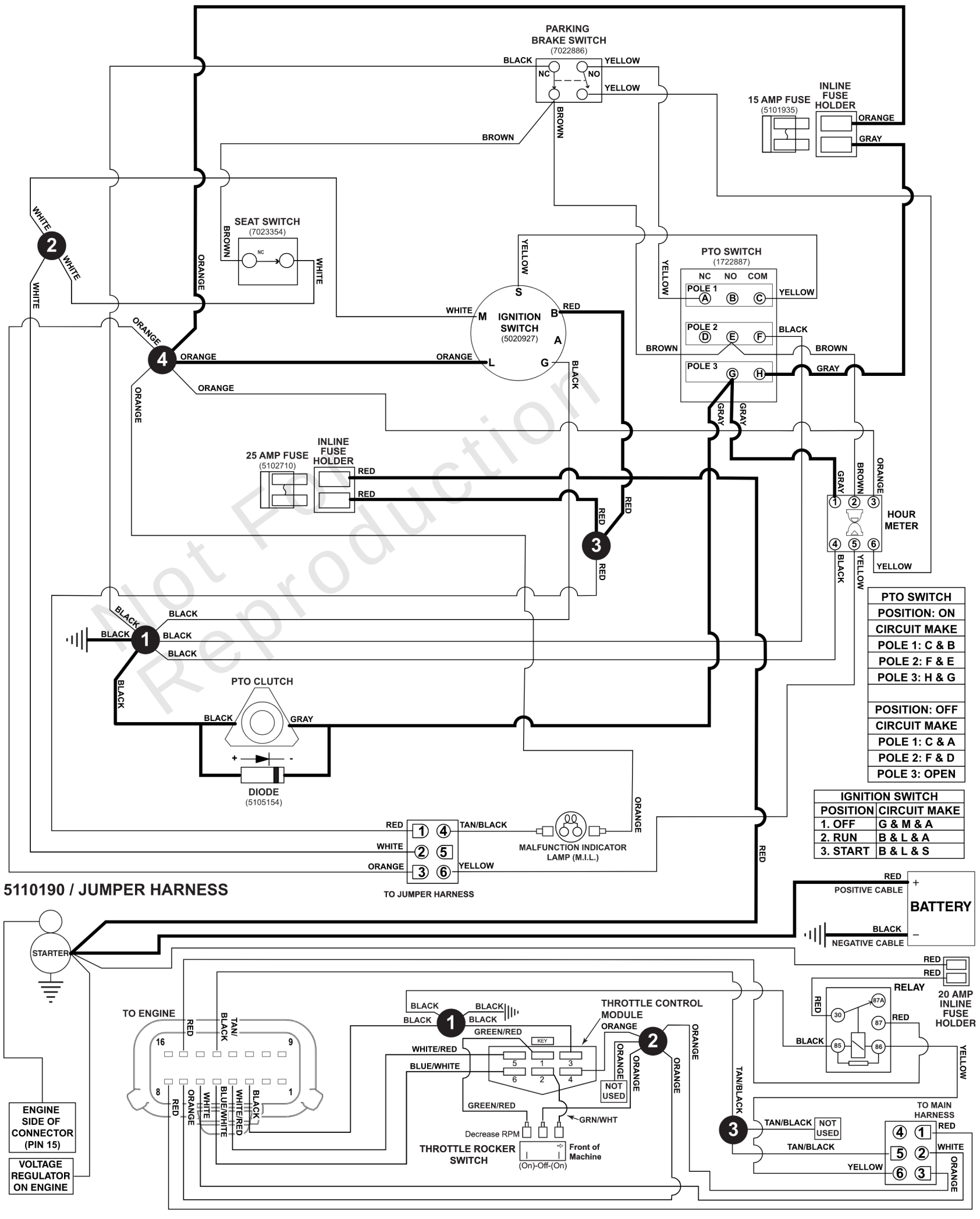
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES

5105535I

(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 - B&S 61G877 S/N: 4002182645 to 4002328396

REF NO	PART NO	QTY	DESCRIPTION
5105535	5105535YP	1	HARNESS-WIRING
5110190	84008164	1	HARNESS, JUMPER, BRIGGS EFI, 16 PIN

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Electrical Schematic - PTO Clutch Circuit - B&S 61G877 S/N: 4002328397 and Above

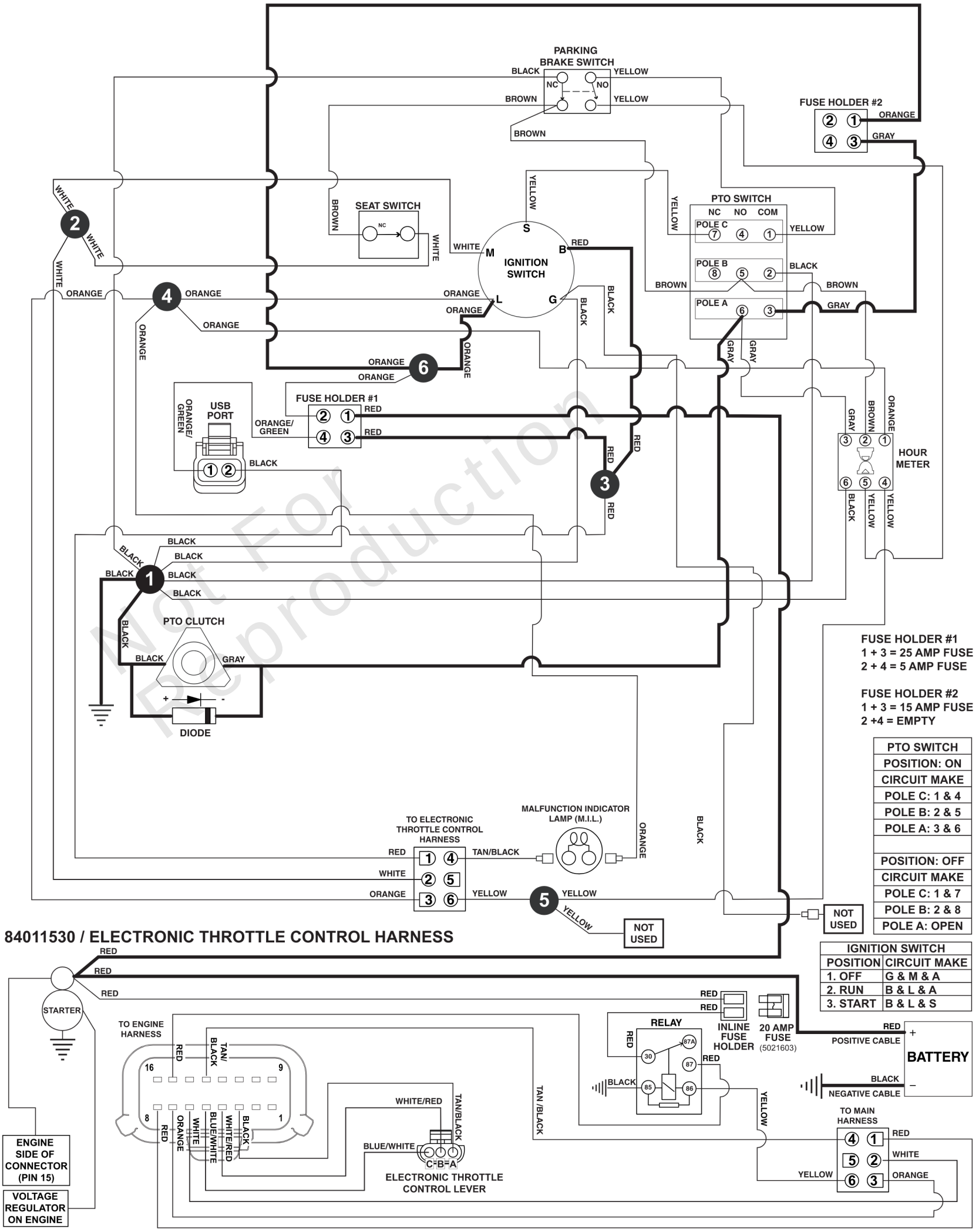
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

84011123 / MAIN WIRE HARNESS - BRIGGS & STRATTON 61G877 EFI ENGINES WITH ETC

5111234E

(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.)



84011530 / ELECTRONIC THROTTLE CONTROL HARNESS

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Electrical Schematic - PTO Clutch Circuit - B&S 61G877 S/N: 4002328397 and Above

REF NO	PART NO	QTY	DESCRIPTION
84011123	84011123	1	HARNESS, Wiring
84011530	84011530	1	HARNESS, Wiring

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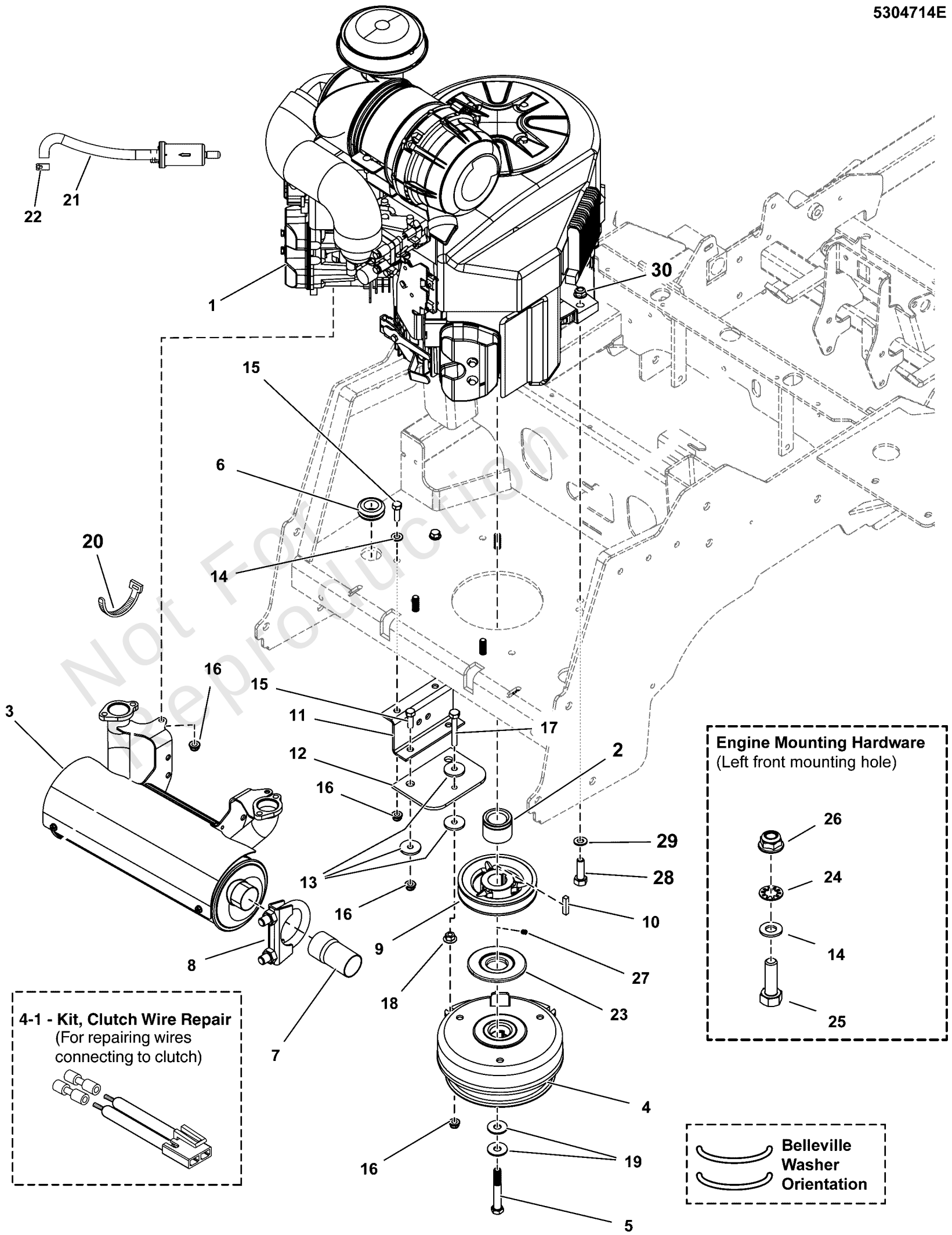
5304714E



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

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	ENGINE, 40HP, EFI, B&S, OIL GUARD, 61G877-0001-J1 -(Refer to Note: *) (S/N: 4002218814 and below)
1	-----	1	ENGINE, B&S, 40HP EFI, OIL GUARD, 61G877-0014-J1 -(Refer to Note: *) (S/N: 4002218815 and above)
2	5100926YP	1	SPACER, 1.13 X 1.75 X
3	846819	1	MUFFLER -(Refer to Note: *)
4	-----	1	CLUTCH, If replacing, use 5108850 and 5108851 -(S/N: 4001550166 and below)
4	84006412	1	CLUTCH -(S/N: 4001550167 and above)
4-1	5600575	1	KIT, CLUTCH WIRE REPAIR
5	5103300YP	1	BOLT, CRANKSHAFT -(Torque crankshaft bolt to 65 ft. lbs. (88 Nm)
6	5103944YP	1	GROMMET, 7/8"ID
7	5104512FS	1	PIPE, EXHAUST
8	84003195	1	CLAMP, MUFFLER -(Refer to Note: *)
9	5021682YP	1	PULLEY, 4.75 OD X 1-1
10	5050407X10YP	1	KEY, 1/4 SQ X 1-1/4
11	5410367AYP	1	ANCHOR, CLUTCH
12	5043636SM	1	CLUTCH ANCHOR PAD
13	5044617SM	4	WASHER, .34 X 1.25 X
14	703350	3	WASHER
15	5025011X8FS	4	BOLT
16	5025392FS	6	NUT
17	5025055X18YP	1	BOLT, 5/16-18 X 2-1/4
18	5025139SM	1	NUT, 5/16-18 HEX SERR
19	5025585YP	2	BELLEVILLE WASHER
20	5021030SM	1	TIE WRAP, 5-1/2" LONG
21	84003196	1	HOSE/FILTER ASSEMBLY -(SV)
22	84003197	1	CLAMP, HOSE
23	84006413	1	GUARD -(S/N: 4001550167 and above)
24	5025188SM	1	WASHER, 5/16" INT. TO
25	5025025X14YP	1	BOLT
26	5025616YP	1	NUT
27	5025531YP	2	SET SCREW, 5/16-18 X
28	5025013X14SM	3	BOLT, 3/8-16 X 1-3/4" -(Torque engine mounting bolts to 17 ft-lbs (23 Nm)
29	5025156FS	3	WASHER
30	5025394SM	3	NUT, 3/8-16 HEX NYLOCK

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Footnotes:

Note:* Refer to your local Briggs & Stratton distributor for parts and service.

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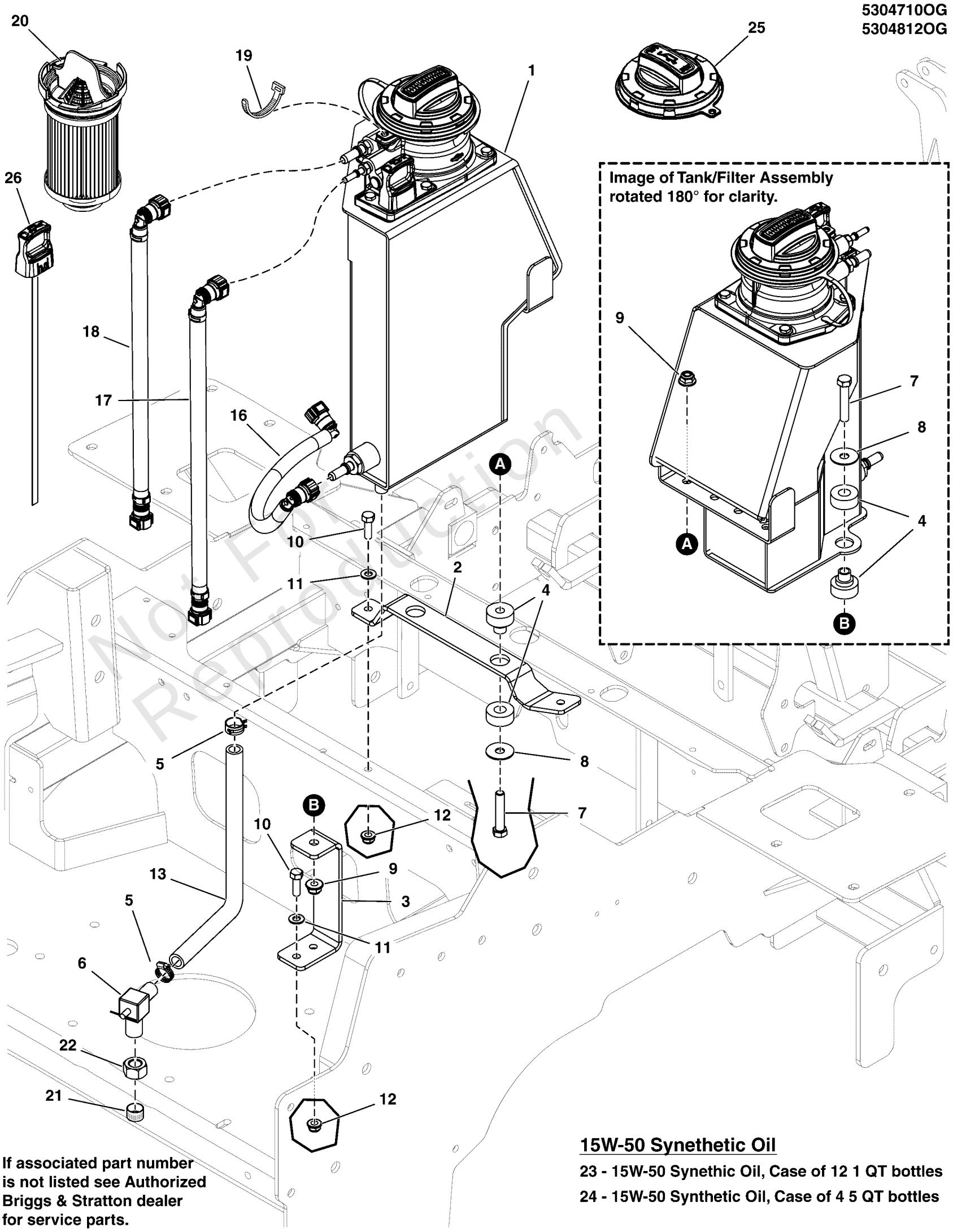
Engine Remote Oil Tank, Hoses, & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

5304710OG
5304812OG



If associated part number is not listed see Authorized Briggs & Stratton dealer for service parts.

15W-50 Synethetic Oil

23 - 15W-50 Synethic Oil, Case of 12 1 QT bottles

24 - 15W-50 Synthetic Oil, Case of 4 5 QT bottles

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Engine Remote Oil Tank, Hoses, & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	595945	1	TANK, Oil -(Refer to Note: *)(S/N: 4001858852 and below)
1	84008062	1	TANK/FILTER ASSY -(Refer to Note: *)(S/N: 4001858853 and above)
2	5415308A	1	TANK MOUNT, FRONT, 3200 - BLK
3	5415309A	1	TANK MOUNT, LOWER, 3200 - BLK
4	5023131	3	MOUNT, ISO, BOTTOM, RAD 5000Z-DIESEL
5	5021392	2	CLAMP, #6 HOSE, STAINLESS
6	5105177	1	VALVE, OIL DRAIN, M16X1.5 TO 1/2"
7	5025013X14	3	BOLT, 3/8-16 X 1-3/4" GD5 CZ
8	5025165	3	WASHER, 3/8" Fender
9	5025394	3	NUT, 3/8 - 16 HEX NYLOCK FLANGE
10	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
11	5025155	4	WASHER, 5/16" SAE
12	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
13	5105493	1	HOSE, Formed, Oil Guard
16	84006650	1	HOSE, OIL SUPPLY -(Refer to Note: *)(S/N: 4001858852 and below)
16	84006649	1	HOSE, Oil Supply -(Refer to Note: *)(S/N: 4001858853 and above)
17	847351	1	HOSE, Oil Vent -(Refer to Note: *)
18	84006659	1	HOSE, Oil Scavenge -(Refer to Note: *)
19	5021030SM	1	TIE WRAP, 5-1/2" LONG
20	84007094	1	FILTER, Oil
21	5105317	1	OIL DRAIN CAP, OIL GUARD, DAPCO 4692
22	5105318	1	NUT, HEX, M16-1.5, DAPCO 4071
23	100169	1	OIL-1QT VANGUARD (CASE) -(Case of twelve 1 QT bottles)
24	100170	1	OIL-5QT VANGUARD (CASE) -(Case of four 5 QT bottles)
25	595931	1	CAP, Oil Fill -(Yellow cap)
25	84008058	1	CAP, Oil Fill -(Black cap)
26	595934	1	DIPSTICK

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Footnotes:

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

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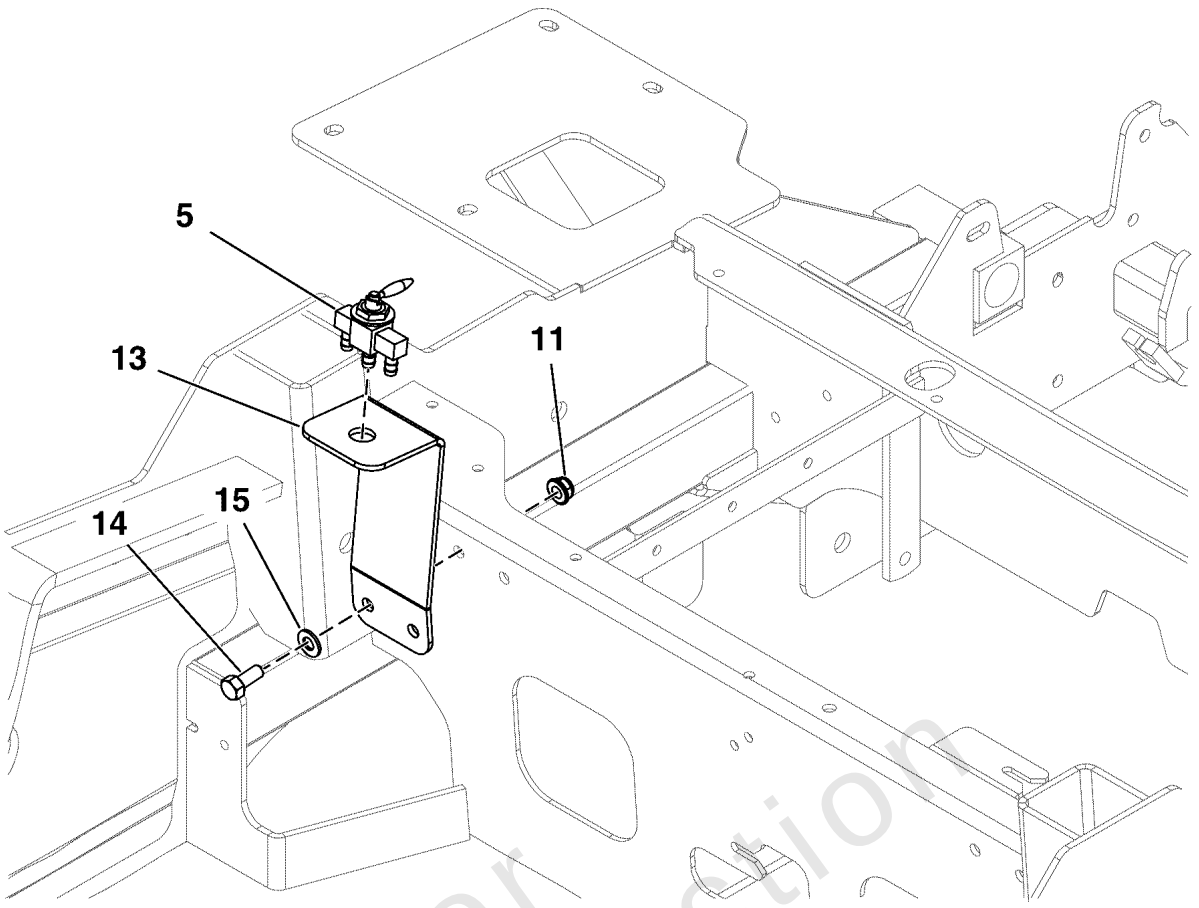
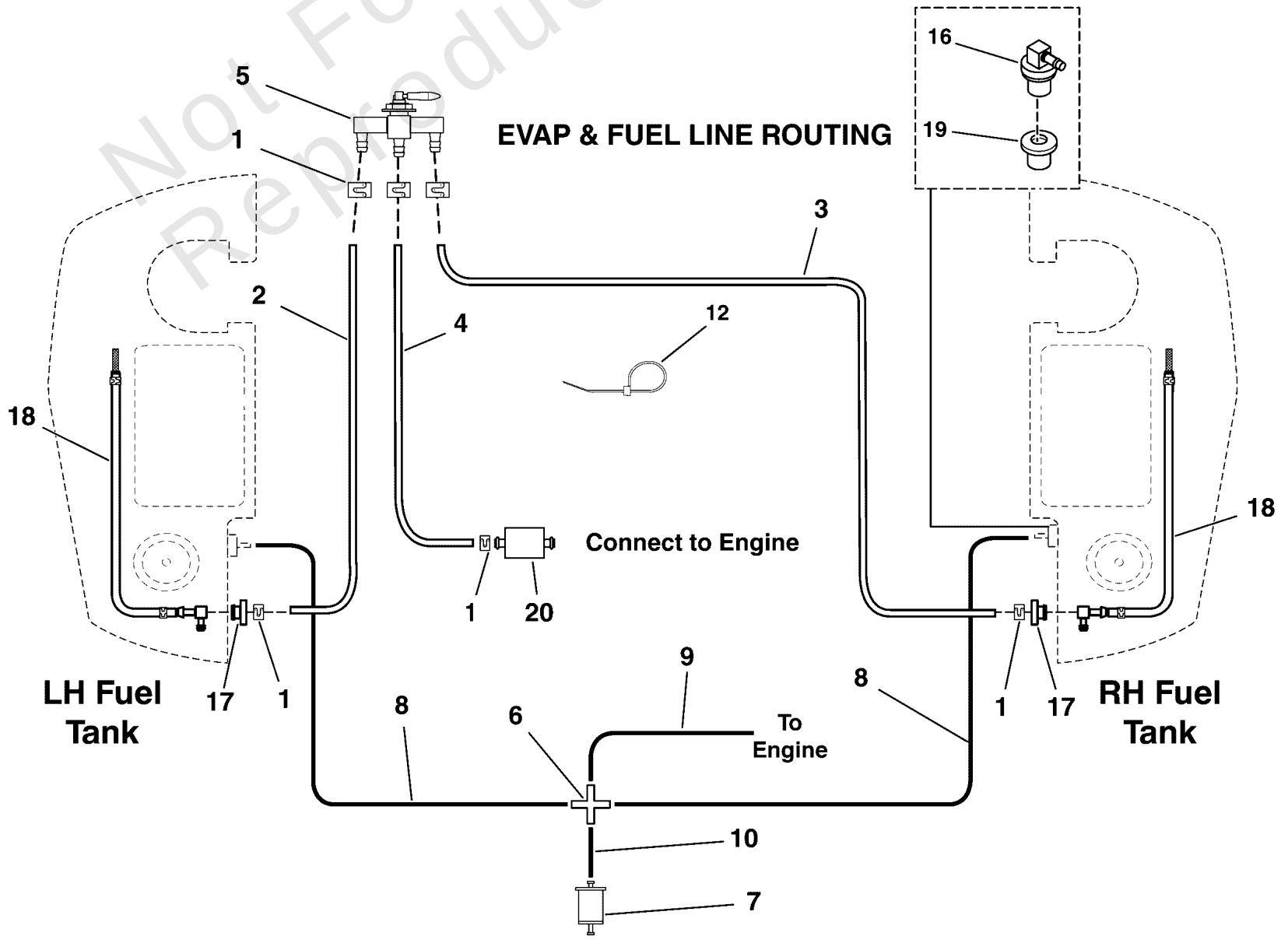
Fuel Supply Hose, Tank Replacement Parts, and EVAP Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068





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Fuel Supply Hose, Tank Replacement Parts, and EVAP Group

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	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
10	7700552X3	1	HOSE, VAPOR, 5MM ID, 3.00 LG
11	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
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	770046	2	REMOTE VENT ASSEMBLY
17	1726400	2	BUSHING-FUEL TANK RED RUBBER
18	5101144	2	PICKUP TUBE ASSEMBLY, FUEL LINE (SV)
19	209043	2	GROMMET (SV)
20	5021178X3	2	FUEL FILTER (SV)

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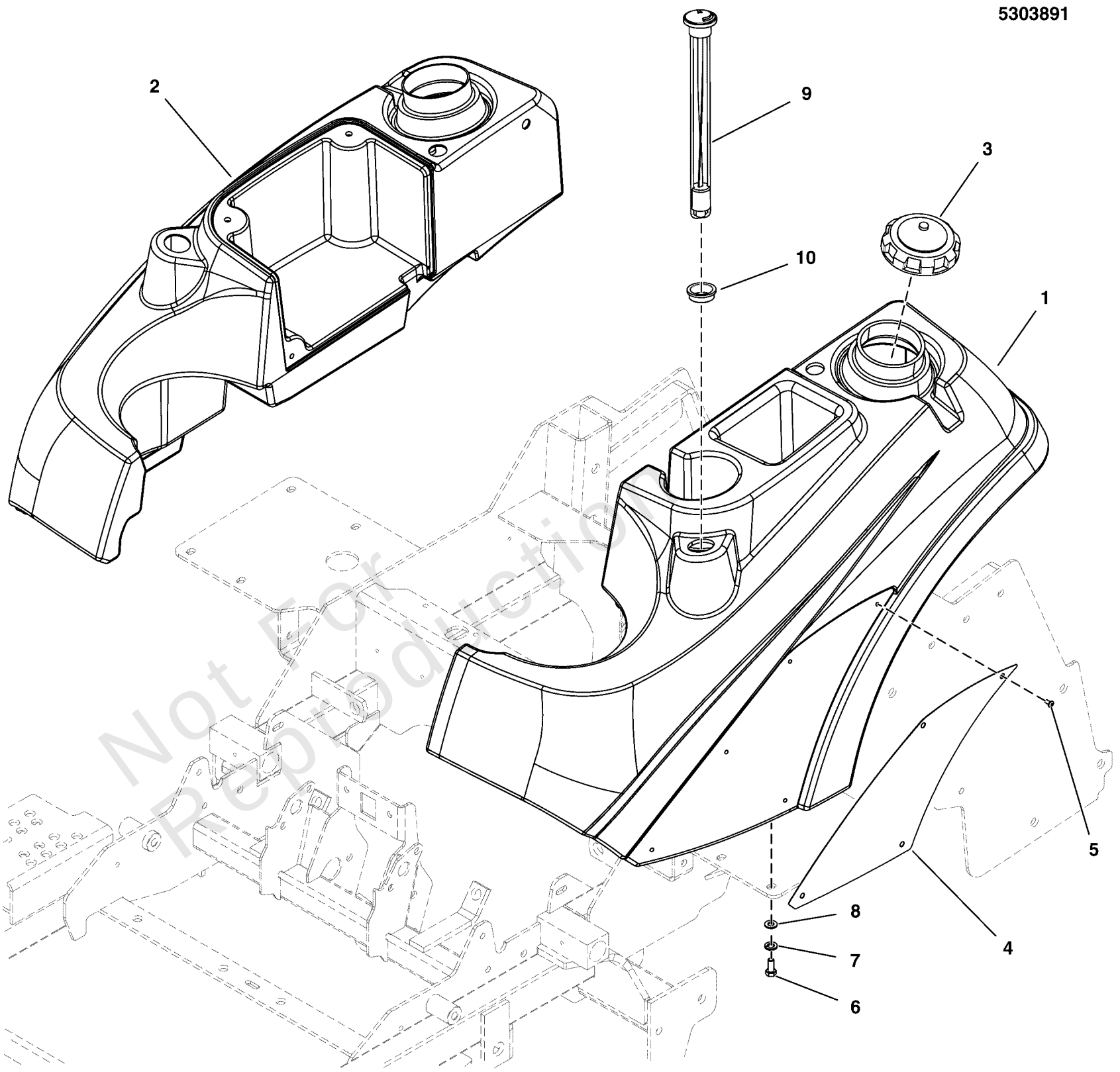
Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Fuel Tank & Mount Group

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

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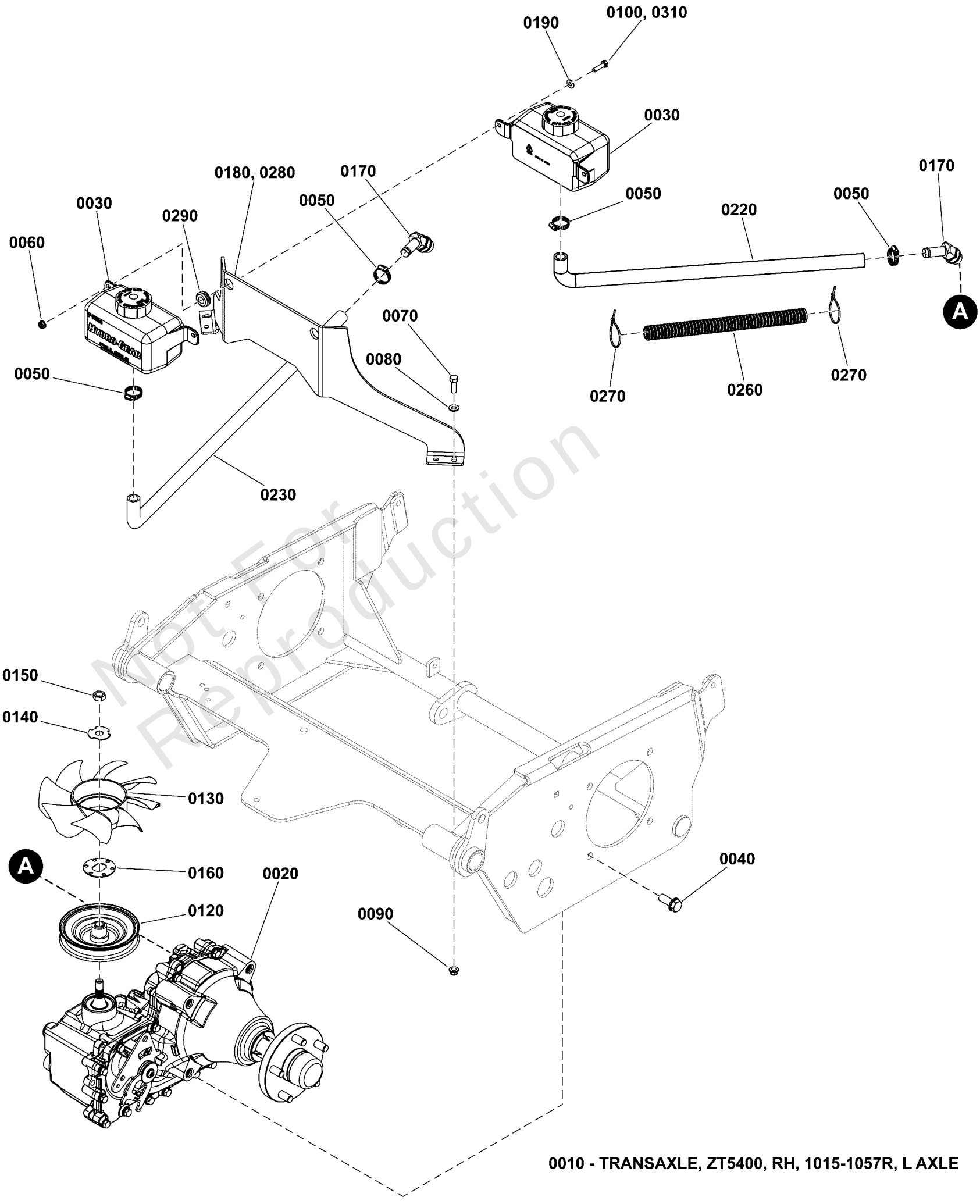
Hydraulic Group S/N: 4002026250 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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

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Hydraulic Group S/N: 4002026250 and Above

REF NO	PART NO	QTY	DESCRIPTION
0010	84008008	1	TRANSAXLE -(Right side)(Not illustrated)
0020	84008001	1	TRANSAXLE -(Left side)
0030	5101998YP	2	HYDRO TANK, HYDRO-GEA -(Includes item #0030-10)
0030-10	5100778X1	2	RESERVIOR CAP -(Not illustrated)
0040	5025535YP	8	BOLT,HEX FLG,SER,GD8 -(Torque transmission mounting bolts to 95-115 ft-lbs (129-156 Nm))
0050	5021164SM	4	CLAMP, #10 HOSE, STAI
0060	5025391FS	2	NUT
0070	5025010X8SM	4	BOLT, 1/4-20 X 1", GD
0080	703350	4	WASHER
0090	5025392FS	4	NUT
0100	5025010X8SM	2	BOLT, 1/4-20 X 1", GD -(S/N: 4002034251 and below)
0120	5102873YP	2	PULLEY
0130	5102874YP	2	FAN, ZT5400
0140	5102914YP	2	WASHER, ZT5400, SLOTT
0150	5102916YP	2	NUT, ZT5400
0160	5102917YP	2	SPACER, ANTI ROTATE,
0170	5103923YP	2	FITTING, 45, 5/8
0180	5416042AA	1	PLATE RESERVOIR MOUNT - BLK -(S/N: 4002034251 and below)
0190	703332	2	WASHER
0220	5108444	1	HOSE, FORMED, TRANS OVERFLOW, 20.50"
0230	84005243	1	HOSE, HYDRAULIC
0260	5050862X12SM	2	WIRE LOOM, 3/4" ID, 1
0270	5021030SM	4	TIE WRAP, 5-1/2" LONG
0280	5422436AAFS	1	PLATE -(S/N: 4002034252 and above)
0290	5022816YP	2	GROMMET -(S/N: 4002034252 and above)
0310	5025010X10SM	2	BOLT, 1/4-20 X 1-1/4" -(S/N: 4002034252 and above)

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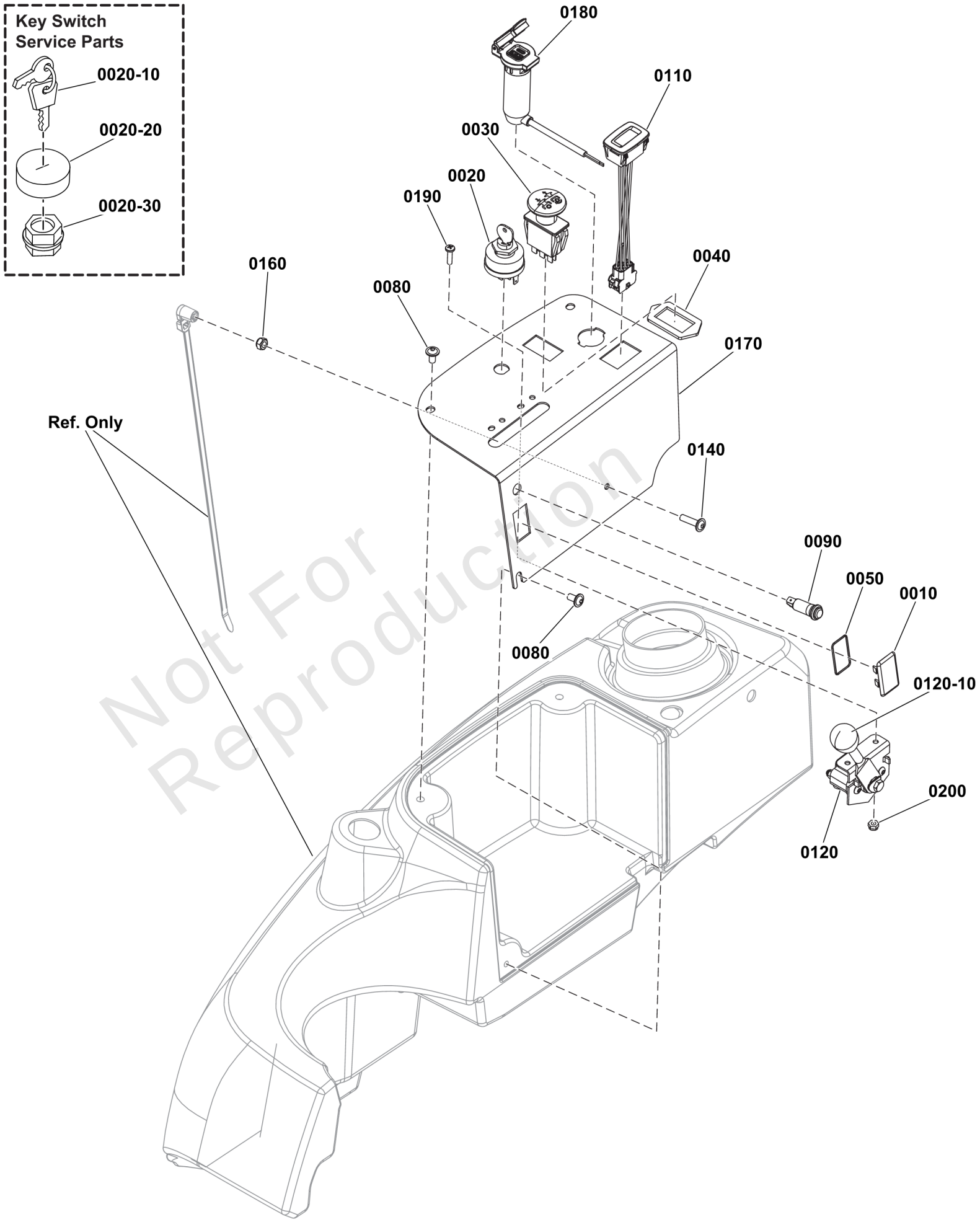
Instrument Control Panel Group - Fuel Injected Models with Electronic Throttle Control

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Instrument Control Panel Group - Fuel Injected Models with Electronic Throttle Control

REF NO	PART NO	QTY	DESCRIPTION
0010	1709188SM	1	PLUG, BLACK PLASTIC
0020	5020927FS	1	SWITCH, IGNITION -(Includes items # 0020-10, 0020-20, and 0020-30).
0020-10	5022789	1	KEY, IGNITION MOLDED SET
0020-20	5022790	1	COVER, PLASTIC, SNAP ON
0020-30	5022791SM	1	NUT, PLASTIC (SV)
0030	1722887SM	1	SWITCH-PTO PUSH
0040	5022222SM	1	RING, SWITCH RETAINER
0050	5022269SM	1	O-RING, 7/8" ID X 1/1
0080	84002228	2	SCREW, FLANGE
0090	5103809YP	1	LIGHT, Indicator
0110	84008510	1	HOURMETER (6 Pin Connector) -(Includes ref # 0110-10)
0110-10	84008688	1	CLIP -(Replacement clip for item #0110)
0120	84008804	1	CONTROL, Electronic Throttle -(Includes item # 0120-10).
0120-10	5046360X1SM	1	KNOB, Throttle Control
0140	5025299X8YP	1	CAPSCREW
0160	5025095SM	1	NUT, 1/4-20 HEX NYLON
0170	84011147	1	PANEL, Control Panel
0180	84008798	1	USB Port
0190	5025179X6SM	2	SCREW - #10-24
0200	5025271FS	2	NUT

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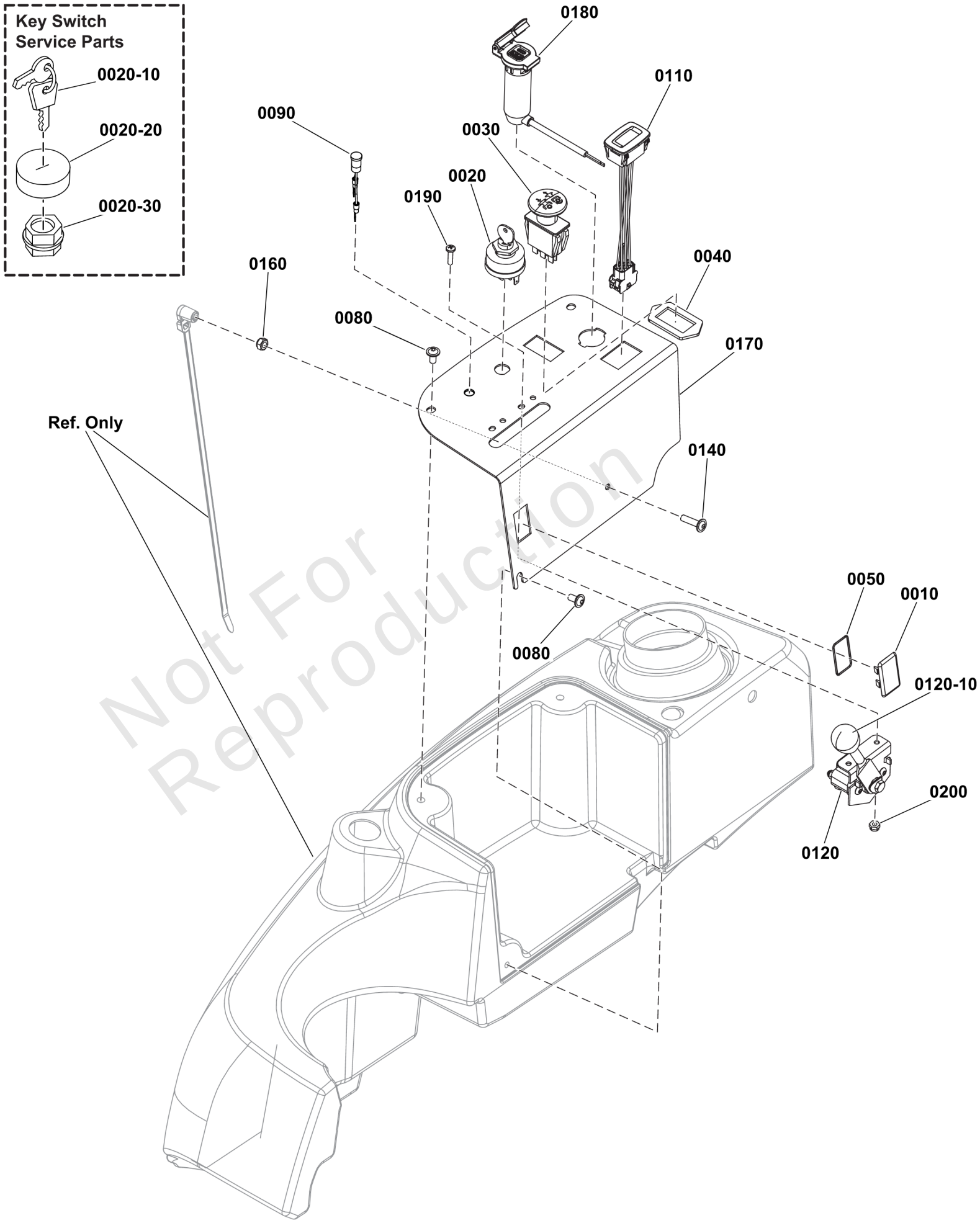
Instrument Control Panel Group - Fuel Injected Models with Electronic Throttle Control

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Instrument Control Panel Group - Fuel Injected Models with Electronic Throttle Control

REF NO	PART NO	QTY	DESCRIPTION
0010	1709188SM	1	PLUG, BLACK PLASTIC
0020	5020927FS	1	SWITCH, IGNITION -(Includes items # 0020-10, 0020-20, and 0020-30).
0020-10	5022789	1	KEY, IGNITION MOLDED SET
0020-20	5022790	1	COVER, PLASTIC, SNAP ON
0020-30	5022791SM	1	NUT, PLASTIC (SV)
0030	1722887SM	1	SWITCH-PTO PUSH
0040	5022222SM	1	RING, SWITCH RETAINER
0050	5022269SM	1	O-RING, 7/8" ID X 1/1
0080	84002228	2	SCREW, FLANGE
0090	84012633	1	LIGHT, Indicator
0110	84008510	1	HOURMETER (6 Pin Connector)
0120	84008804	1	CONTROL, Electronic Throttle -(Includes item # 0120-10).
0120-10	5046360X1SM	1	KNOB, Throttle Control
0140	5025299X8YP	1	CAPSCREW
0160	5025095SM	1	NUT, 1/4-20 HEX NYLON
0170	84011146	1	PANEL, Control Panel
0180	84008798	1	USB Port
0190	5025179X6SM	2	SCREW - #10-24
0200	5025271FS	2	NUT

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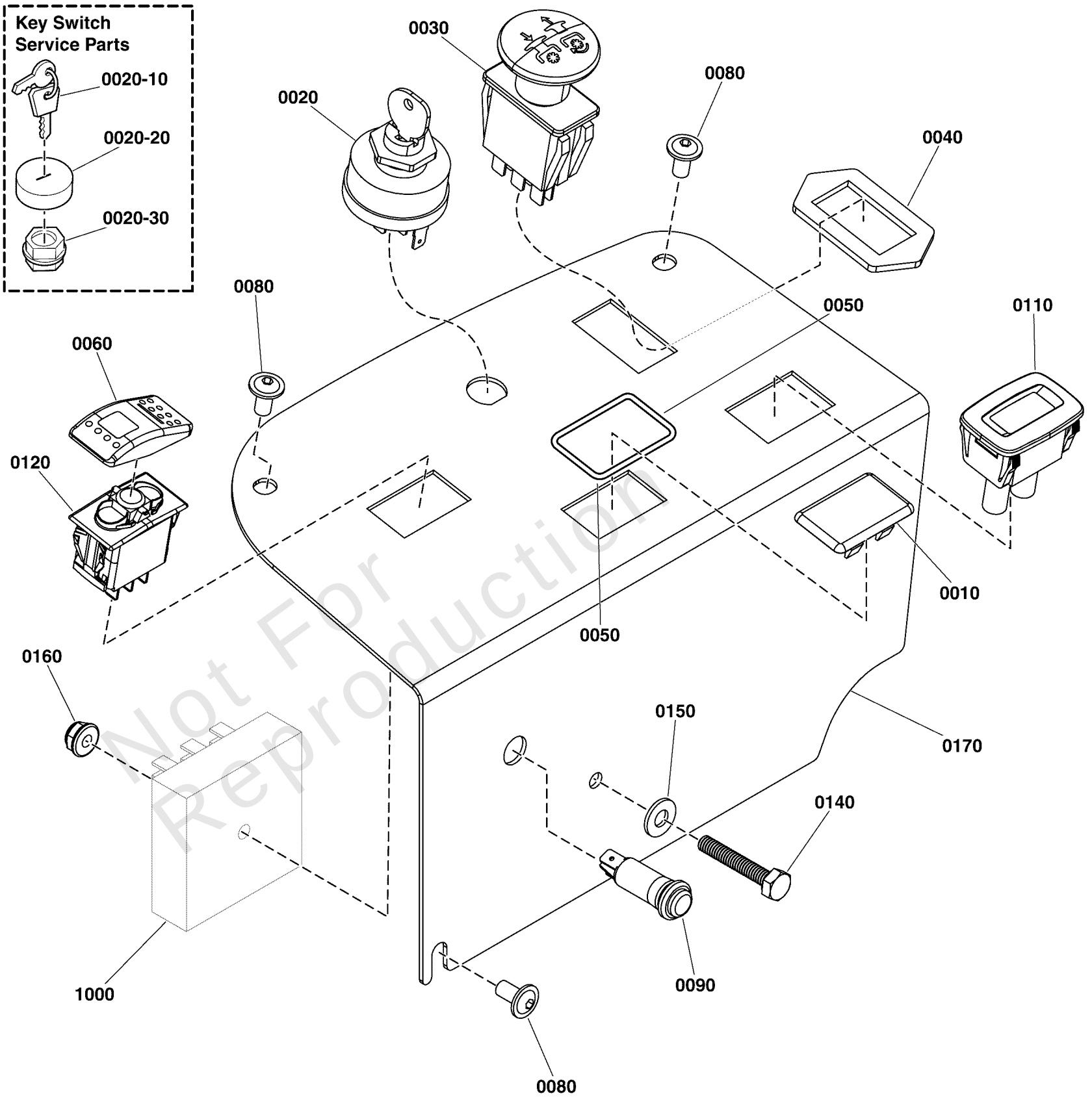
Instrument Control Panel Group - Fuel Injected Models with Electronic Throttle Control

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Instrument Control Panel Group - Fuel Injected Models with Electronic Throttle Control

REF NO	PART NO	QTY	DESCRIPTION
0010	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
0020	5020927	1	SWITCH, IGNITION, 6 POST
0020-10	5022789	1	KEY, IGNITION MOLDED SET
0020-20	5022790	1	COVER, PLASTIC, SNAP ON
0020-30	5022791	1	PLASTIC NUT
0030	1722887	1	SWITCH-PTO PUSH
0040	5022222	1	RING, SWITCH RETAINER
0050	5022269	1	O-RING, 7/8" ID X 1/16" W
0060	5102219	1	ACTUATOR, ROCKER SWITCH - RED
0080	5106469	3	SCREW, FLANGE, ALLEN HD, 1/4-20X.5 S/S
0090	5103809	1	LIGHT, INDICATOR, PANEL, LED, RED
0110	84008510	1	HOURMETER (6 Pin Connector)
0120	5102218	1	BODY, ROCKER SWITCH
0140	5025010X12	1	BOLT, 1/4-20 X 1-1/2 GD5 CZ
0150	5025154	1	WASHER, 1/4 SAE
0160	5025391	1	NUT, 1/4-20 Hex Nylock Flange
0170	5417122A	1	PANEL, CONTROL, IS2100Z, KAWI EFI - BLK

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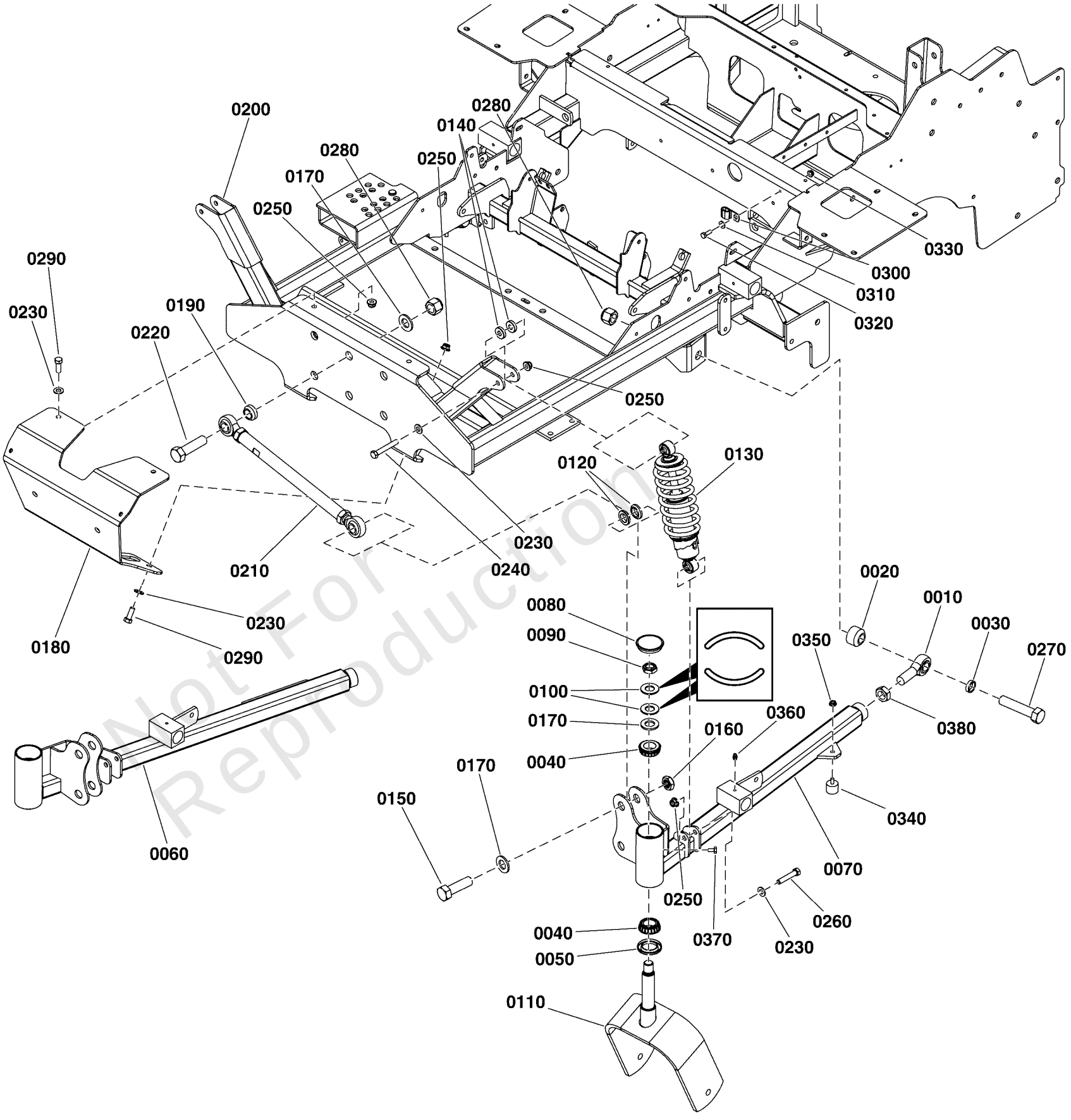
Main Frame and Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Main Frame and Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5022039	2	BALL JOINT, 3/4-16, MALE
0020	5046093	2	SPACER, .75 X 1.50 X 1.00, CZ
0030	5047461	2	SPACER, .76 x 1.00 x .25
0040	5020884	4	BEARING, TAPERED ROLLER, 1"
0050	5021072	2	SEAL, GREASE
0060	5418824B	1	WELD, A-ARM, IS3300Z, RH - RED
0070	5418823B	1	WELD, A-ARM, IS3300Z, LH - RED
0080	5109845	2	CAP, GREASE, LOW PROFILE
0090	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
0100	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
0110	5419196B	2	WELD, CASTER YOKE - RED
0120	5108733	8	SPACER, .765 X 1.500 X .283, TPRD CZ
0130	5108008	2	SHOCK, SPRING ASSM
0140	5108184	4	SPACER, .39 X 1.00 X .24, SHOCK, ISX
0150	5025265X20	4	BOLT, 3/4-16 X 2-1/2" YZ GD5
0160	5025679	4	NUT, THIN NYLON INSERT, 3/4-16 GR5
0170	5025160	10	WASHER, 3/4 SAE
0180	5419629B	1	PLATE, FRONT MOUNT, ISX3300 - RED -(Serial Number Range 4002448066 and below)
0180	-----	1	Refer to: Seat Mount and Floor Group S/N: 4002411632 and Above -(Serial Number Range 4002448067 and above)
0190	5108732	4	SPACER, .765 X 1.500 X .500, TPRD CZ
0200	-----	1	WELD, MAIN FRAME, ISX3300Z - RED
0210	5108790FS	4	ARM, CONTROL
0220	5025265X24	4	BOLT, 3/4-16 X 3" YZ GD5
0230	5025156	8	WASHER, 3/8 SAE
0240	5025013X20	2	BOLT, 3/8-16 X 2-1/2" GD5 CZ
0250	5025394	8	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0260	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR
0270	5025265X28	2	BOLT, 3/4-16 X 3-1/2" YZ GD5
0280	5025284	6	NUT, Hex, Nylon Lock, 3/4-16
0290	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
0300	5025430	1	CLAMP, 5/16", DOUBLE, WIRE & TUBE
0310	5025154	1	WASHER, 1/4 SAE
0320	5025010X6	1	BOLT, 1/4"-20 X 3/4" GD5 YZ
0330	5025391	1	NUT, 1/4-20 Hex Nylock Flange
0340	5022673	2	BUMPER, RUBBER, 1/4-20
0350	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
0360	5020095	2	GREASE FITTING, 1/4-28 Straight
0370	5025457	2	BOLT, 1/4-28 X 1/2, GD5 YZ
0380	5025093	2	NUT, Hex, Jam, 3/4-16
1000	5020883	2	CUP, BEARING (SV) -(Not illustrated)

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Motion Control Group - Control System S/N: 4002340028 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

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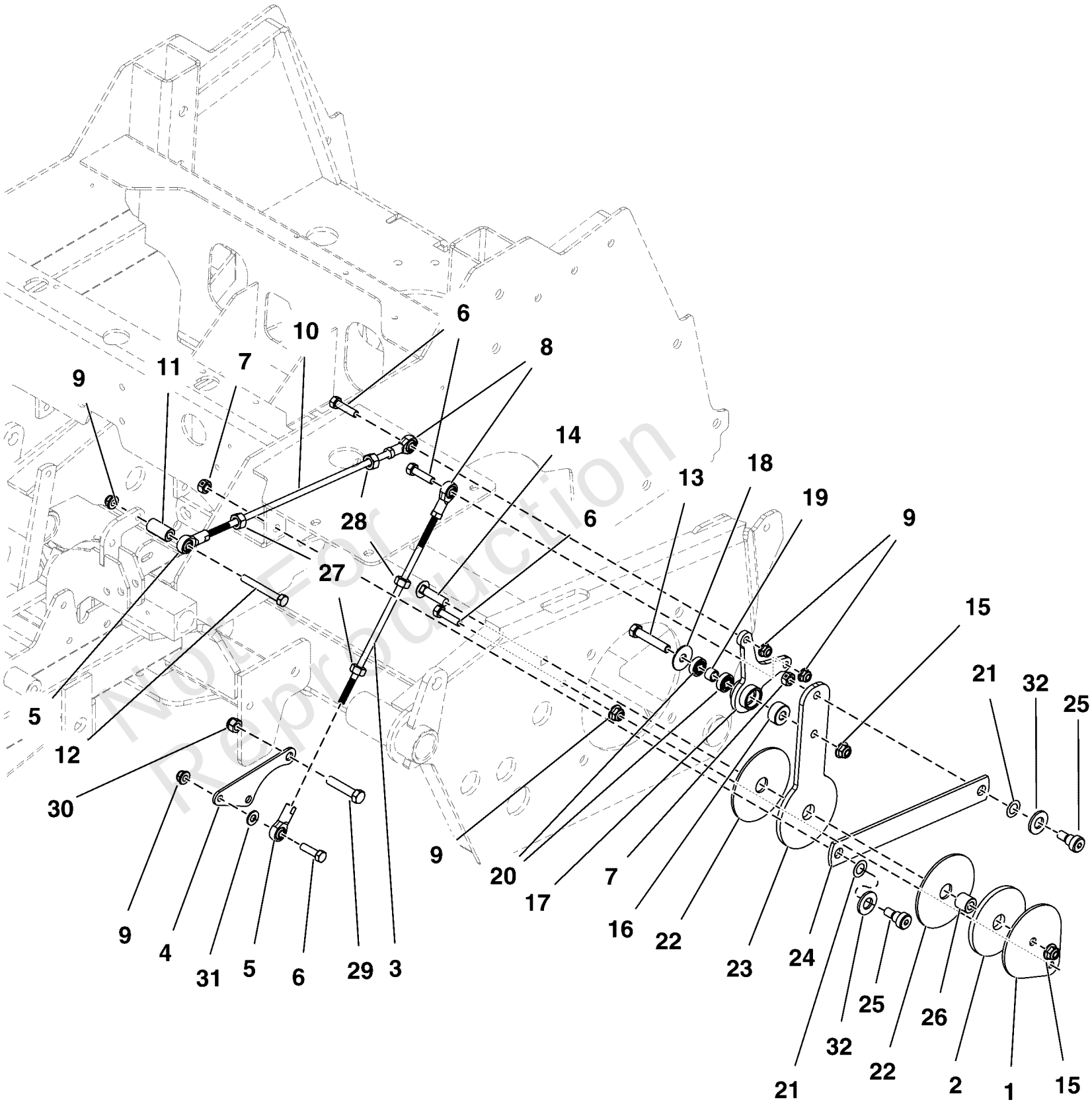

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Motion Control Group - Control System S/N: 4002340028 and Below

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 GD5 TFL, CZ
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	5411375AYP	2	LINK, Control
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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Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

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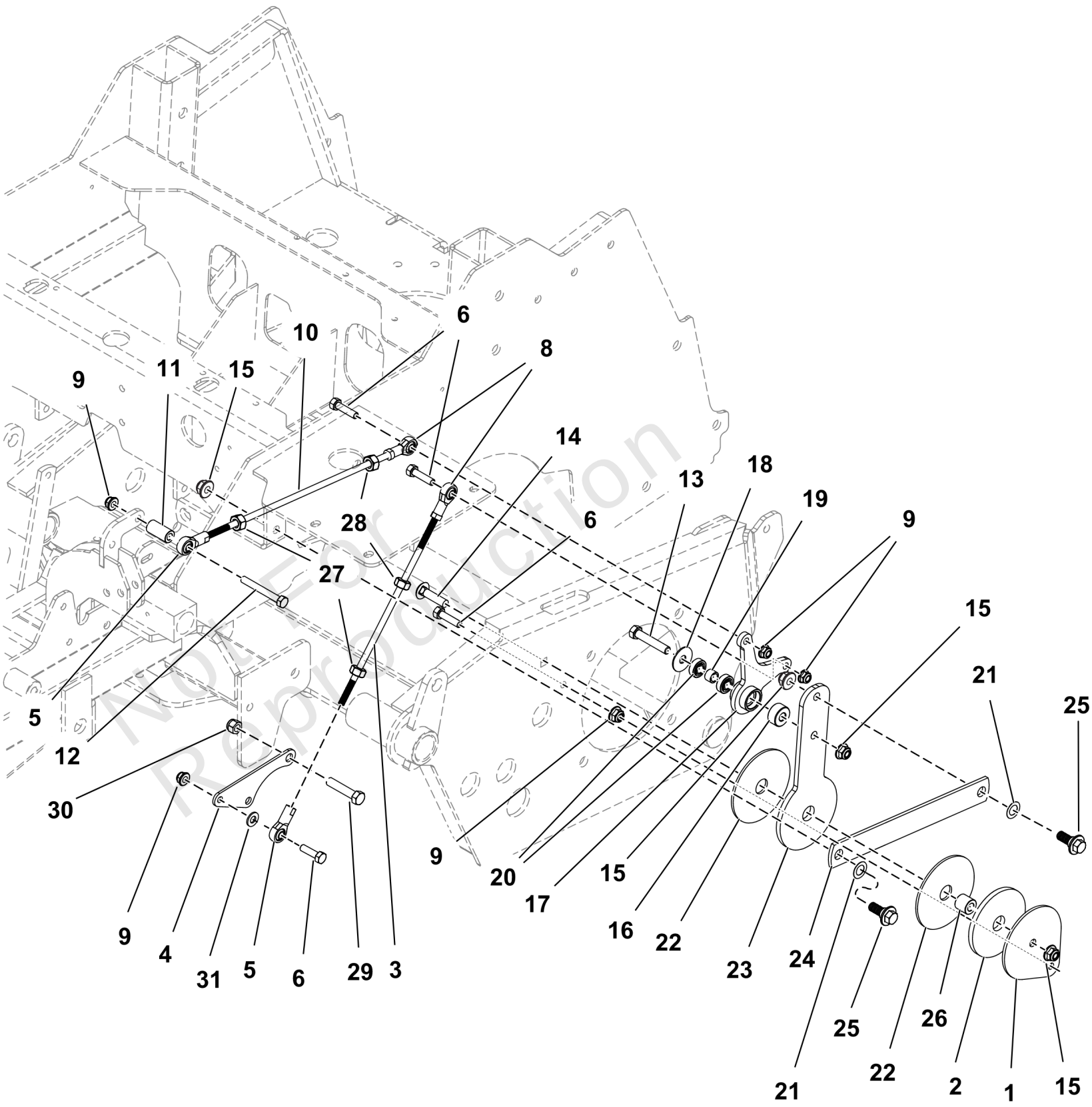

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Motion Control Group - Control System S/N: 4002340029 and Above

REF NO	PART NO	QTY	DESCRIPTION
1	5410271AYP	2	PLATE, CTRL SYSTEM LK
2	5103704YP	2	PAD, .77 X 3.50 X .25
3	5101135YP	2	ROD, HYDRO LINKAGE
4	5411301AYP	2	PLATE, CONTROL MOUNT
5	5104493YP	4	BALL JOINT 5/16-24 RH
6	5025055X10YP	12	BOLT, 5/16-18 X 1-1/4
8	5104494YP	4	BALL JOINT 5/16-24 LH
9	5025392FS	8	NUT
10	5102255YP	2	ROD, HYDRO LINKAGE
11	5102599YP	2	SPACER, .33X.63X1.25
12	5025011X20FS	2	BOLT
13	84007037	2	BOLT
14	5025146X12YP	2	BOLT, 3/8-16 X 1-1/2
15	5025394SM	6	NUT, 3/8-16 HEX NYLOCK
16	5046860SM	2	SPACER
17	5103718YP	2	PIVOT, CONTROL SYSTEM
18	5025165SM	2	WASHER, 3/8" FENDER
19	5103676YP	2	SPACER, .39X.55X.38
20	5102003YP	4	BEARING, .375ID
21	5103784YP	4	WAVE WASHER
22	5103672YP	4	PAD, CONTROL SYSTEM
23	5410268YP	2	PLATE, CTRL SYST ARM
24	5411375AYP	2	LINK, Control
25	84010948	4	BOLT, Washer
26	5103705YP	2	SPACER, .39X.75X.69
27	5025033FS	4	NUT
28	5023212SM	4	NUT, 5/16-24 HEX, LH
29	5025015X6SM	2	BOLT, 7/16-14
30	5025044SM	2	NUT, 7/16-14 HEX
31	703350	2	WASHER

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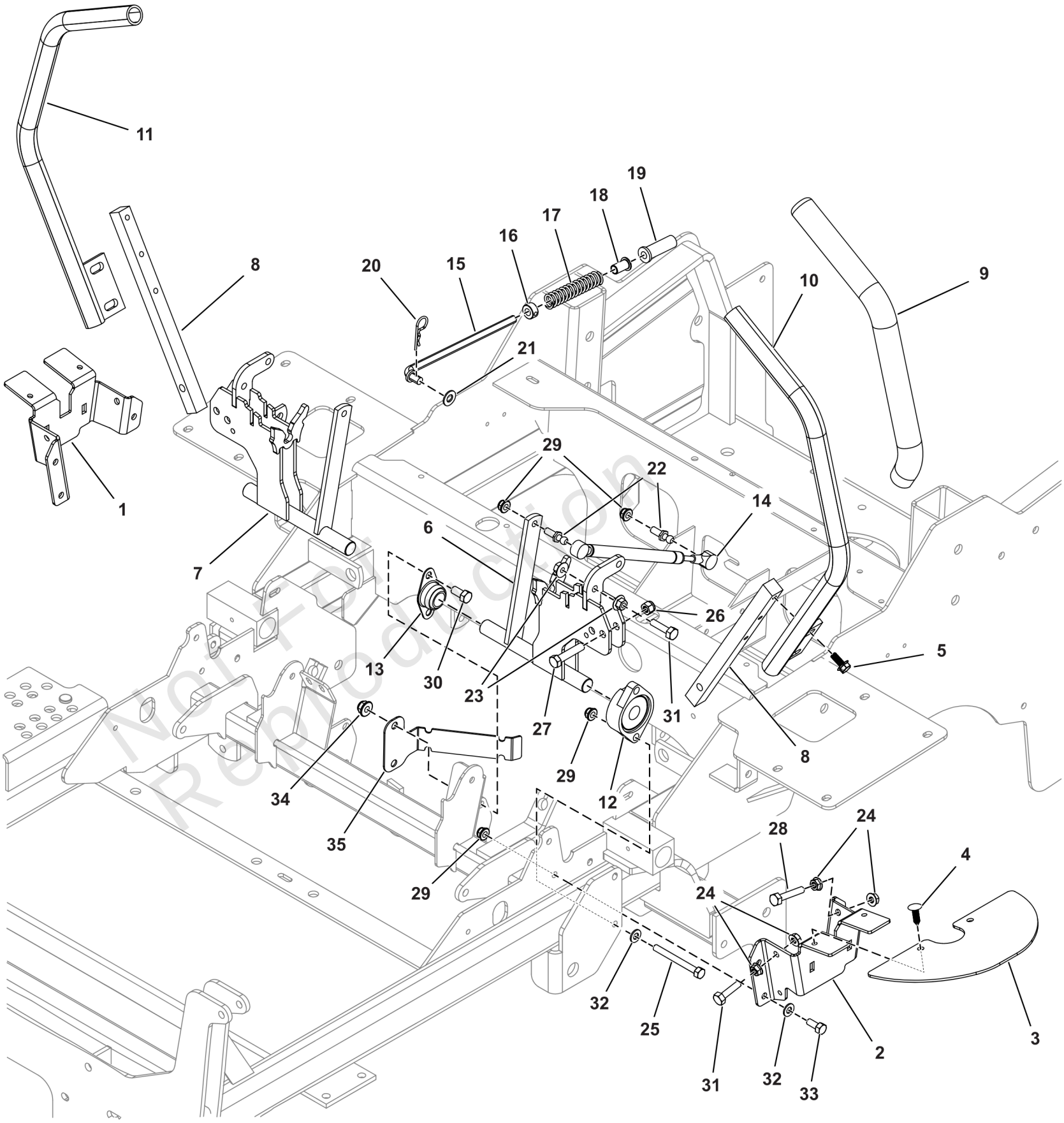
Motion Control Group - Handles & Dampeners

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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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, 3/8-16 HEX NYLON LOCK
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 GD5 TFL, CZ
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
35	5413137AYP	1	BRACKET, HARNESS MOUNT, 2100 - BLK

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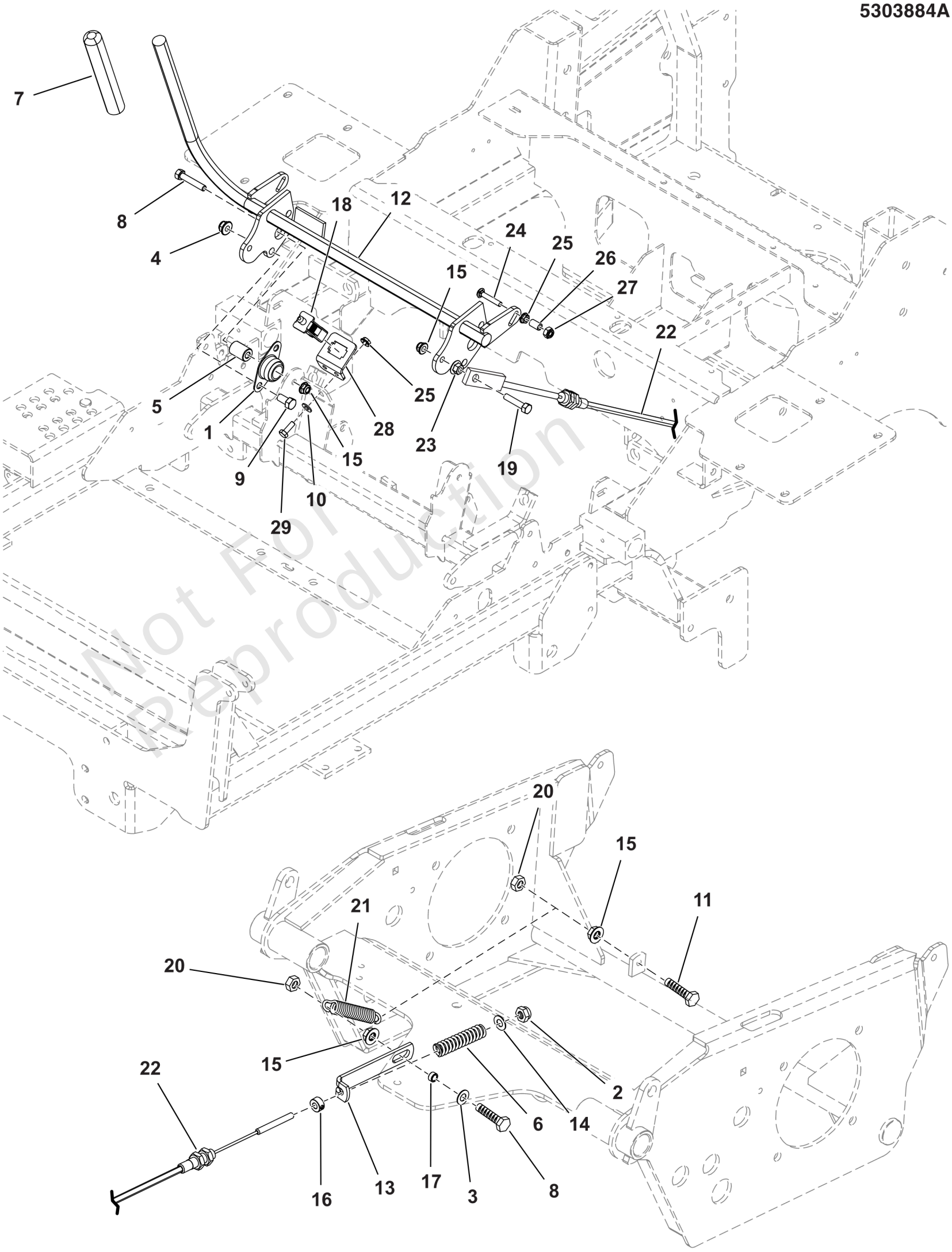
Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
1	5021098SM	2	BEARING, BRONZE FLANG
2	5025045SM	2	NUT, 5/16-24 HEX NYLO
3	703350	2	WASHER
4	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
5	5042134SM	2	SPACER, .32 X .75 X 1
6	5100385YP	2	SPRING, COMP. 1/2 ID
7	5101038SM	1	GRIP, FOAM
8	5025011X14SM	4	BOLT, 5/16-18 X 1-3/4
9	5025013X6SM	4	BOLT, 3/8-16 X 3/4" G
10	703332	2	WASHER
11	5025055X10YP	2	BOLT, 5/16-18 X 1-1/4
12	5415423AAFS	1	SHAFT, BRAKE
13	5411363AYP	2	LINK, BRAKE LOCK
14	5025337FS	2	WASHER
15	703115	8	NUT
16	5020047SM	2	COLLAR, 5/16" SET
17	5102463YP	2	SPACER, .33 X .50X.25
18	7022886YP	1	SWITCH, DP NO/NC SNAP
19	5025055X12SM	2	BOLT, 5/16-18 X 1-1/2
20	703164	4	NUT
21	5103969YP	2	SPRING, EXTENSION
22	5104235YP	2	CABLE, PARKING BRAKE
23	5025139SM	2	NUT, 5/16-18 HEX SERR
24	704214	2	BOLT, 1/4-20 X 1.5
25	5025126FS	3	NUT
26	5041483YP	2	SPACER
27	5025095SM	2	NUT, 1/4-20 HEX NYLON
28	5415932AYP	1	TAB
29	5025010X6SM	2	BOLT, 1/4-20 X 3/4" G

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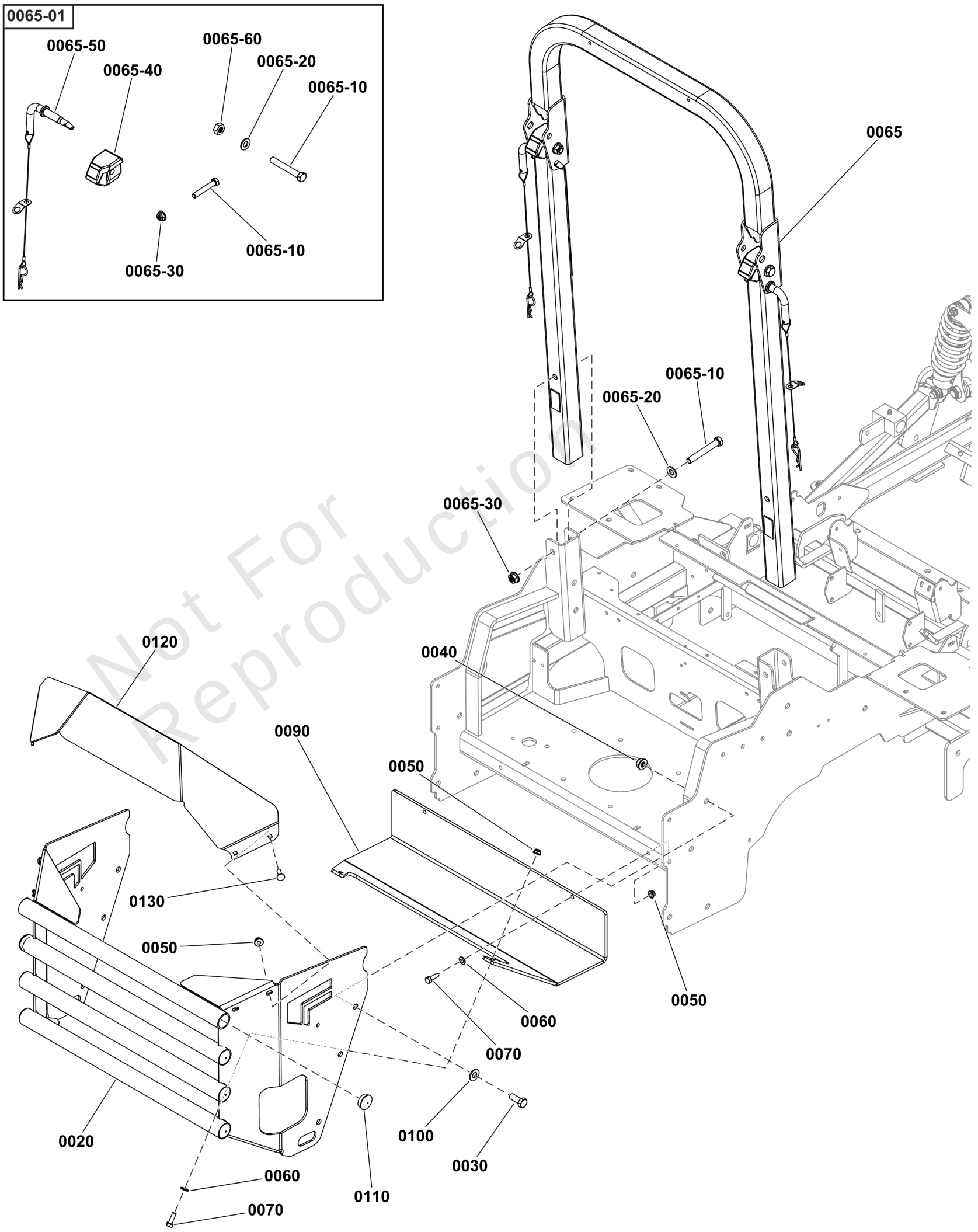
Rear Bumper and ROPS Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Rear Bumper and ROPS Group

REF NO	PART NO	QTY	DESCRIPTION
0020	5108311BFS	1	BUMPER, REAR
0030	5025017X10YP	6	BOLT, 1/2-13 X 1-1/4
0040	770225	6	NUT
0050	5025392FS	8	NUT
0060	703350	4	WASHER
0065	-----	1	ROLL OVER PROTECTION STRUCTURE -(Refer to Note: *)
0065-01	84013063	1	KIT, Hardware (Roll Bar) -(Includes items #0065-10 to #0065-60.)
0065-10	-----	4	BOLT, 1/2-13 X 3" GD5 CZ
0065-20	-----	4	WASHER, 1/2 SAE
0065-30	-----	2	NUT, 1/2-13 Hex Side Lock
0065-40	5108027FS	2	STOP, BLOCK
0065-50	5108350FS	2	PIN
0065-60	-----	2	NUT, 1/2-13 Hex Side Lock
0070	5025011X8FS	4	BOLT
0090	5419532AAFS	1	SHIELD, HEAT
0100	5025158SM	6	WASHER, 1/2" SAE
0110	5023484SM	8	PLUG, PANEL, 1.25 - B
0120	5108310BFS	1	GUARD
0130	5025145X8SM	4	BOLT, 5/16-18 X 1", C

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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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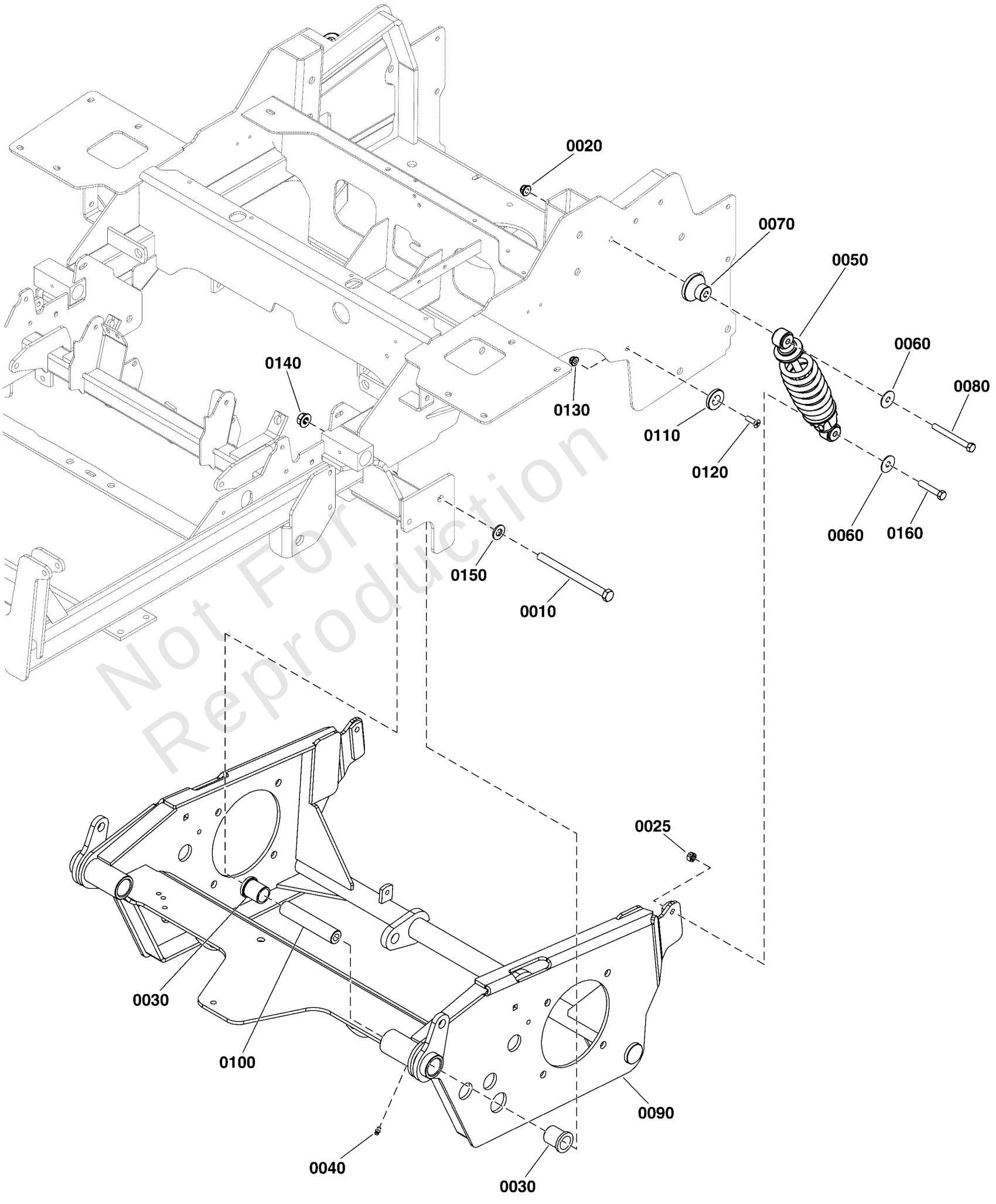
Rear Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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Rear Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5025488X52	2	BOLT, 1/2-13 X 6-1/2" GD8 YZ
0020	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0025	5025100	2	NUT, Hex, Side Lock, 3/8-16
0030	5021541	4	BUSHING, FLANGE
0040	5020095	2	GREASE FITTING, 1/4-28 Straight
0050	5108022	2	SHOCK, SPRING ASSM --
0060	5025165	4	WASHER, 3/8" Fender
0070	5104704	2	SPACER, .39 X 2.00 X 1.35, PM
0080	5025013X28	2	BOLT, 3/8-16 X 3-1/2" GD5 CZ
0090	84007759	1	CRADLE, Suspension
0100	5100194	2	SPACER, .52 X 1.00 X 5.00
0110	5102701	2	SPACER, .34 X 1.54 X .25 - UHMW
0120	5025594	2	SCREW, 5/16-18 X 1, PHILLIPS HD, BZ
0130	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
0140	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
0150	5025158	2	WASHER, 1/2 SAE
0160	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR

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Seat Mount and Floor Group S/N: 4002328396 and below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

Seat (P/N 5108194) Service Parts:

0260-10 - Lumbar/Recline Lever

0260-15 - Track Kit, Seat

0260-20 - Set of Arm Kits

0260-25 - Set of Arm Pads

0260-30 - Weight Adjust/Indictor Knob

0260-35 - Bellows w/ Hardware Base

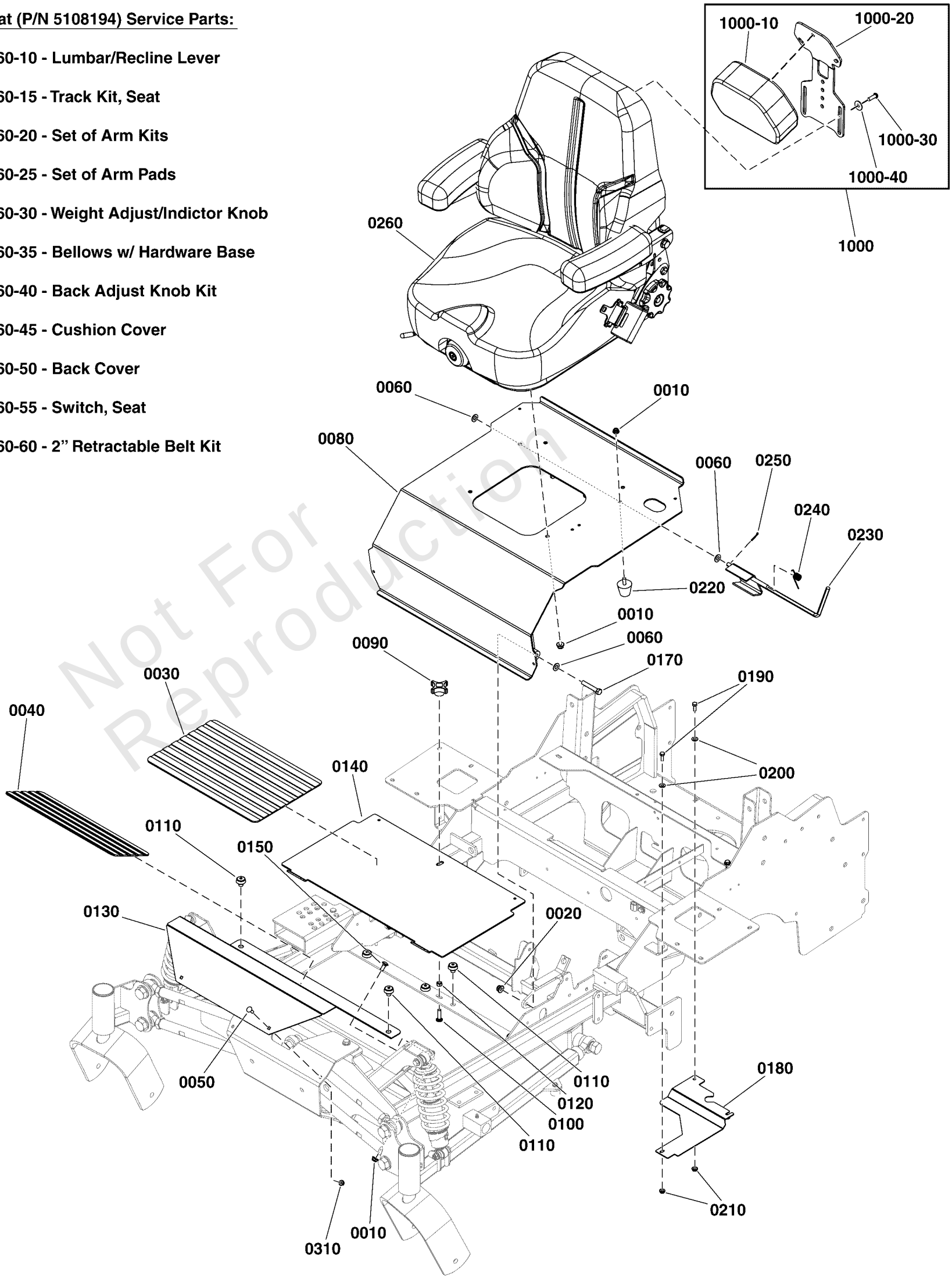
0260-40 - Back Adjust Knob Kit

0260-45 - Cushion Cover

0260-50 - Back Cover

0260-55 - Switch, Seat

0260-60 - 2” Retractable Belt Kit



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Seat Mount and Floor Group S/N: 4002328396 and below

REF NO	PART NO	QTY	DESCRIPTION
0010	5025392	8	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	1960252	2	BOLT-RD HD SH SQ NK 1/4-20X0. 625 G5 BLK
0060	5025156	4	WASHER, 3/8 SAE
0080	5601175	1	ASSM, SEAT PLATE W/ DECALS, DOMESTIC -(USA Models Only)
0080	5601203	1	ASSM, SEAT PLATE W/ DECALS, IS3200-CEHYD -(Export Models Only)
0090	1670578	1	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
0100	5025145X10	1	BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ
0110	197546	6	MNT, VBRTN, RBBR
0120	80003675	1	NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL
0130	5419415BFS	1	PLATE, FLOOR
0140	5412905B	1	PLATE, FLOOR, REMOVABLE, IS3100Z - RED
0150	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
0170	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 CZ
0180	5417762A	1	GUARD, DEBRIS, IS3200Z - BLK
0190	5025010X6	3	BOLT, 1/4"-20 X 3/4" GD5 YZ
0200	5025154	3	WASHER, 1/4 SAE
0210	5025126	3	NUT, 1/4-20 HEX SERR. FLANGE
0220	5106763	2	BUMPER, RUBBER, 5/16-18, 60 DURO
0230	5418223A	1	WELD, SEAT LATCH HOOK - BLACK
0240	5106644	1	SPRING, TORSION, LH, .0625OD
0250	80002736	1	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
0260	5108194	1	SEAT, HIGH BACK,SUSP,SWITCH & SEAT BELTS
0260-10	5105099X2	1	LUMBAR/RECLINE/ISO LVR W/ RLL PIN BS -(SV)
0260-15	5104720X1	1	4" SINGLE LOCKING TRACKS BASE -(SV)
0260-20	5106325X2	1	SET OF ARM KITS -(SV)
0260-25	5106325X3	1	SET OF ARM PADS -(SV)
0260-30	5104720X2	1	WEIGHT ADJUST INDICATOR KNOB ASSY BASE -(SV)
0260-35	5104720X3	1	BELLOWS W/ HARDWARE BASE -(SV)
0260-40	5106325X4	1	BACK ADJUSTMENT KNOB KIT -(SV)
0260-45	5108194X1	1	CUSHION COVER -(SV)
0260-50	5108194X2	1	SEAT BACK COVER -(SV)
0260-55	7023354	1	SWITCH, SEAT -(SV)
0260-60	5106325X5	1	2" RETRACTABLE BELT KIT -(SV)
0310	5025391	2	NUT, 1/4-20 Hex Nylock Flange
1000	84003643	1	KIT, Headrest
1000-10	5106645	1	HEAD REST HIGH BACK SEAT
1000-20	5418483A	1	PLATE, MOUNTING BRACKET, HEADREST - BLK
1000-30	5025652	6	SCREW, 5/16-18X1, BUT HD, BLK, W/PATCH
1000-40	5107404	6	WASHER, FENDER, 1.00 OD X .315 ID X .055

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Seat Mount and Floor Group S/N: 4002328397 to 4002411631

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

Seat Service Parts:

0260-10 - Lumbar/Recline Lever

0260-15 - Track Kit, Seat

0260-20 - Arm Pads

0260-25 - Set of Arm Rests

0260-30 - Weight Adjust/Indictor Knob

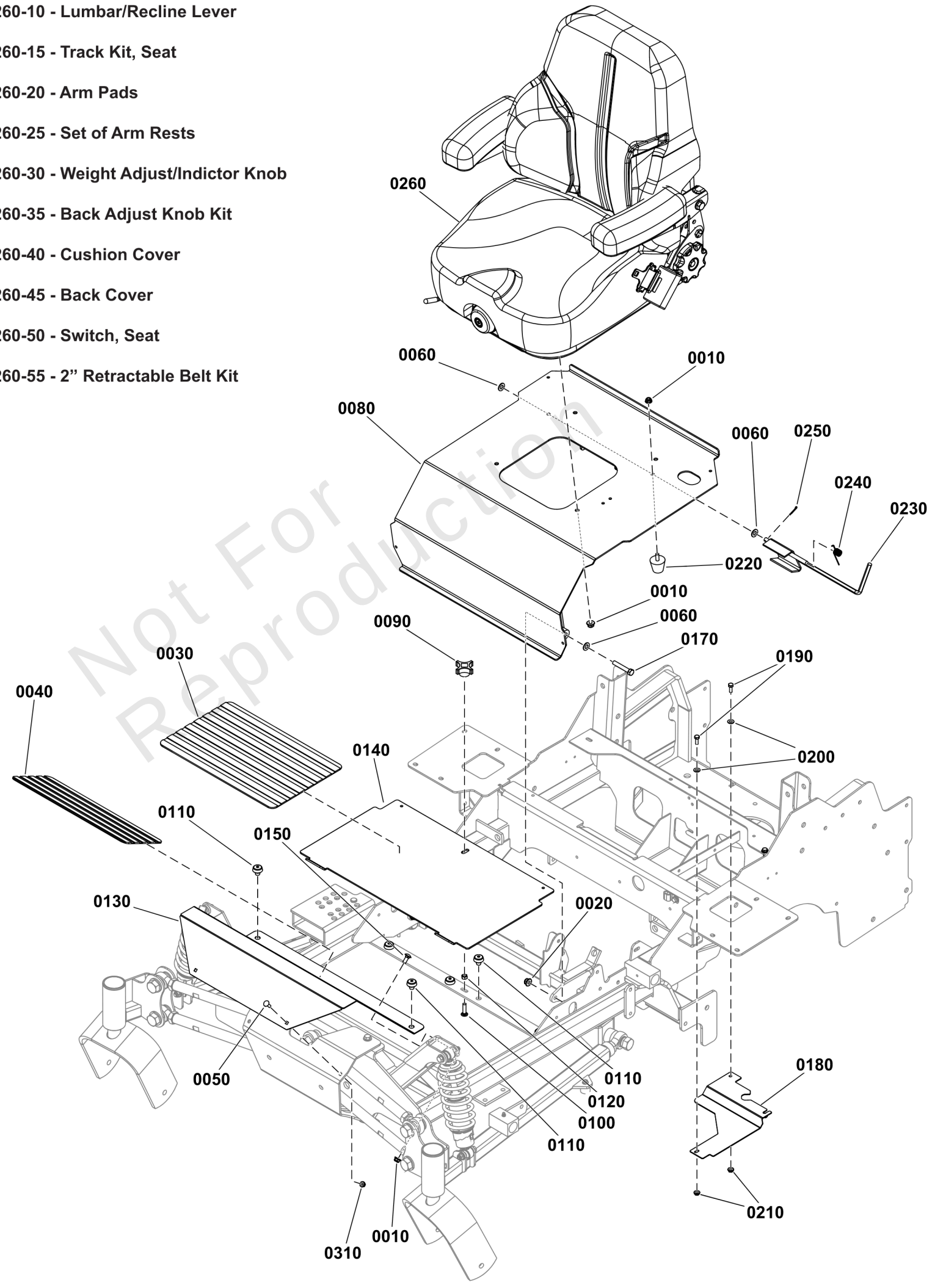
0260-35 - Back Adjust Knob Kit

0260-40 - Cushion Cover

0260-45 - Back Cover

0260-50 - Switch, Seat

0260-55 - 2” Retractable Belt Kit



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Seat Mount and Floor Group S/N: 4002328397 to 4002411631

REF NO	PART NO	QTY	DESCRIPTION
0010	5025392FS	8	NUT
0020	5025394SM	2	NUT, 3/8-16 HEX NYLOCK
0030	5101333YP	1	SAFETY WALK, FLOOR PL
0040	5101374YP	1	SAFETY WALK, FLOOR RE
0050	1960252SM	2	BOLT-RD HD SH SQ NK 1
0060	5025156FS	4	WASHER
0080	5601175	1	ASSM, SEAT PLATE W/ DECALS, DOMESTIC -(USA Models Only)
0080	5601203	1	ASSM, SEAT PLATE W/ DECALS, IS3200-CEHYD -(Export Models Only)
0090	1670578SM	1	KNOB-INT THR .312-18
0100	5025145X10YP	1	BOLT, 5/16-18 X 1-1/4
0110	197546GS	6	MOUNT-VIBRATION
0120	703164	1	NUT
0130	5419415BFS	1	PLATE, FLOOR
0140	5412905BFS	1	PLATE, FLOOR
0150	5025145X6SM	2	BOLT, 5/16-18 X 3/4",
0170	5025013X18SM	2	BOLT, 3/8-16 X 2-1/4"
0180	84003200	1	SHIELD, DEBRIS -(S/N: 4002373571 and below)
0190	5025010X6SM	3	BOLT, 1/4-20 X 3/4" G -(S/N: 4002373571 and below)
0200	84007033	3	WASHER -(S/N: 4002373571 and below)
0210	5025126FS	3	NUT -(S/N: 4002373571 and below)
0220	84003201	2	SUPPORT, RUBBER
0230	84002142	1	WELD, SEAT LATCH HOOK - BLK
0240	84003202	1	SPRING, TORSION
0250	703312	1	PIN, COTTER, 3/32X.75
0260	84010952	1	SEAT ASSEMBLY
0260-10	84003205	1	LUMBAR/RECLINE/ISO LVR W/ RLL PIN BS -(SV)
0260-15	84011185	1	TRACKS, Seat Adjustment -(SV)
0260-20	5104741X2	1	ARM PAD -(SV)
0260-25	5102760X3YP	1	ARM REST, COMPANION -(SV)
0260-30	84003209	1	KNOB, Adjuster -(SV)
0260-35	5105099X3	1	BACK ADJST LO-PRO KNOB-HRDWR BASE -(SV)
0260-40	84011187	1	CUSHION, Seat -(SV)
0260-45	84011186	1	COVER, Seat Back -(SV)
0260-50	7023354YP	1	SWITCH, SEAT -(SV)
0260-55	84003214	1	BELT, Seat -(SV)
0310	5025391FS	2	NUT

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Seat Mount and Floor Group S/N: 4002411632 and above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068

Seat Service Parts:

0260-10 - Lumbar/Recline Lever

0260-15 - Track Kit, Seat

0260-20 - Arm Pads

0260-25 - Set of Arm Rests

0260-30 - Weight Adjust/Indictor Knob

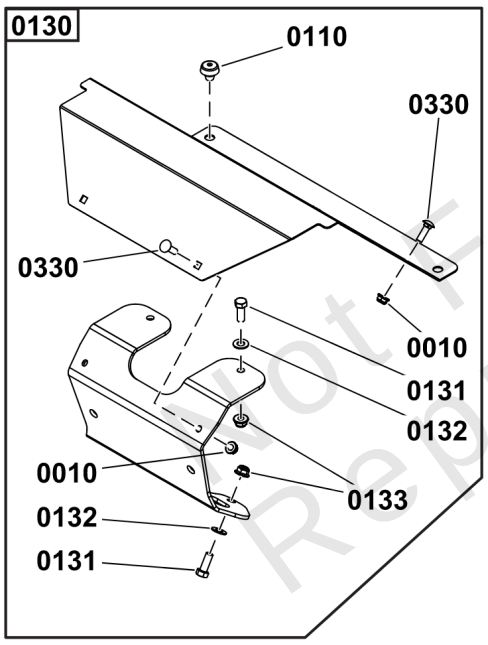
0260-35 - Back Adjust Knob Kit

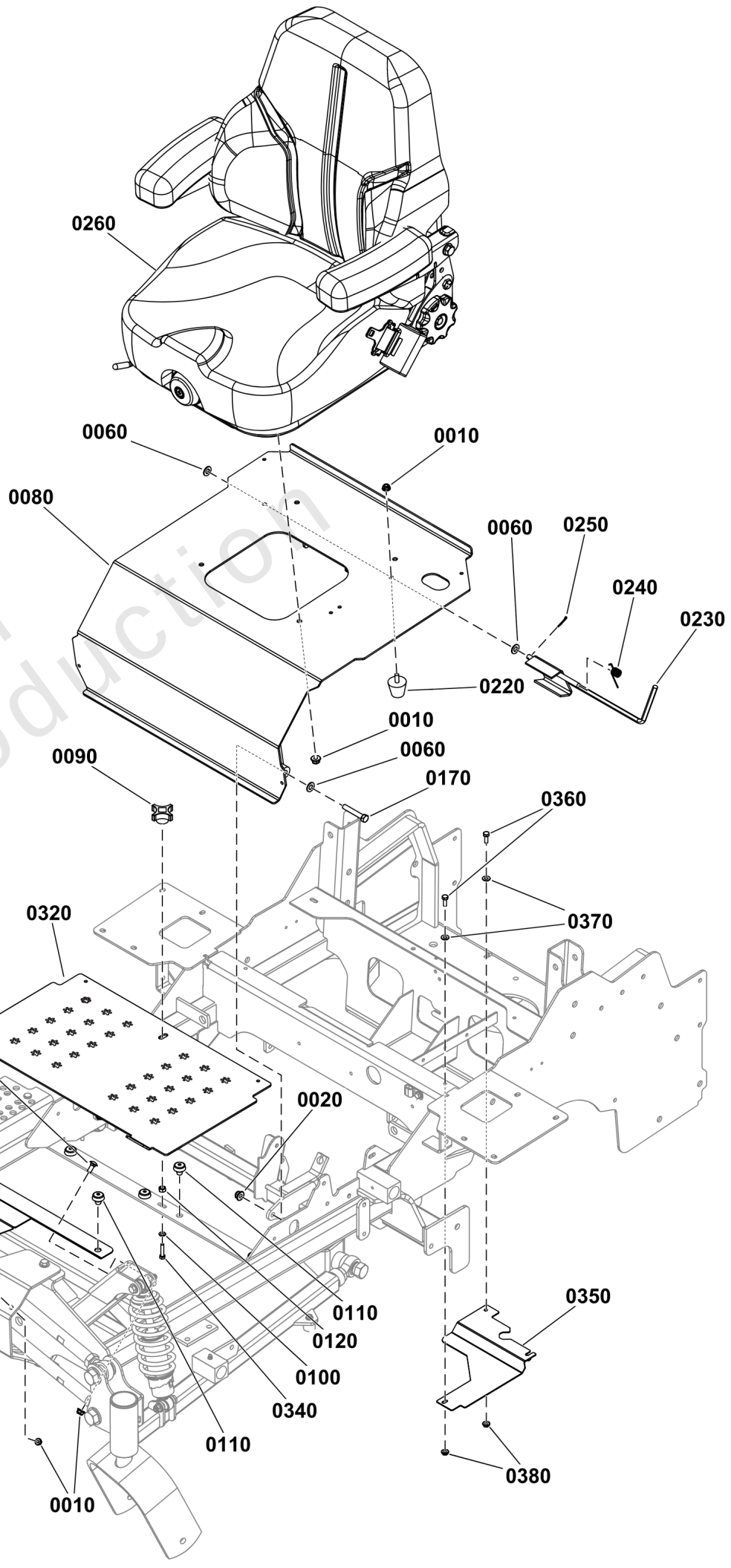
0260-40 - Cushion Cover

0260-45 - Back Cover

0260-50 - Switch, Seat

0260-55 - 2” Retractable Belt Kit





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Seat Mount and Floor Group S/N: 4002411632 and above

REF NO	PART NO	QTY	DESCRIPTION
0010	5025392FS	10	NUT
0020	5025394SM	2	NUT, 3/8-16 HEX NYLOCK
0060	5025156FS	4	WASHER
0080	5601175	1	ASSM, SEAT PLATE W/ DECALS, DOMESTIC -(USA Models Only)
0080	5601203	1	ASSM, SEAT PLATE W/ DECALS, IS3200-CEHYD -(Export Models Only)
0090	1670578SM	1	KNOB-INT THR .312-18
0100	5025055X12SM	1	BOLT, 5/16-18 X 1-1/2
0110	197546GS	6	MOUNT-VIBRATION
0120	703164	1	NUT
0130	84013437	1	KIT, PLATE, Floor
0131	5025013X8SM	4	BOLT, 3/8-16 X 1" GD5
0132	5025156FS	4	WASHER
0133	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0170	5025013X18SM	2	BOLT, 3/8-16 X 2-1/4"
0220	84003201	2	SUPPORT, RUBBER
0230	84002142	1	WELD, SEAT LATCH HOOK - BLK
0240	84003202	1	SPRING, TORSION
0250	703312	1	PIN, COTTER, 3/32X.75
0260	84010952	1	SEAT ASSEMBLY
0260-10	84003205	1	LUMBAR/RECLINE/ISO LVR W/ RLL PIN BS -(SV)
0260-15	84011185	1	TRACKS, Seat Adjustment -(SV)
0260-20	5104741X2	1	ARM PAD -(SV)
0260-25	5102760X3YP	1	ARM REST, COMPANION -(SV)
0260-30	84003209	1	KNOB, Adjuster -(SV)
0260-35	5105099X3	1	BACK ADJST LO-PRO KNOB-HRDWR BASE -(SV)
0260-40	84011187	1	CUSHION, Seat -(SV)
0260-45	84011186	1	COVER, Seat Back -(SV)
0260-50	7023354YP	1	SWITCH, SEAT -(SV)
0260-55	84003214	1	BELT, Seat -(SV)
0320	84012848	1	PLATE, Floor, Removable
0330	5025145X8SM	4	BOLT, 5/16-18 X 1", C
0340	703350	1	WASHER
0350	84003200	1	SHIELD, DEBRIS
0360	5025010X6SM	2	BOLT, 1/4-20 X 3/4" G
0370	703332	2	WASHER
0380	5025126FS	2	NUT

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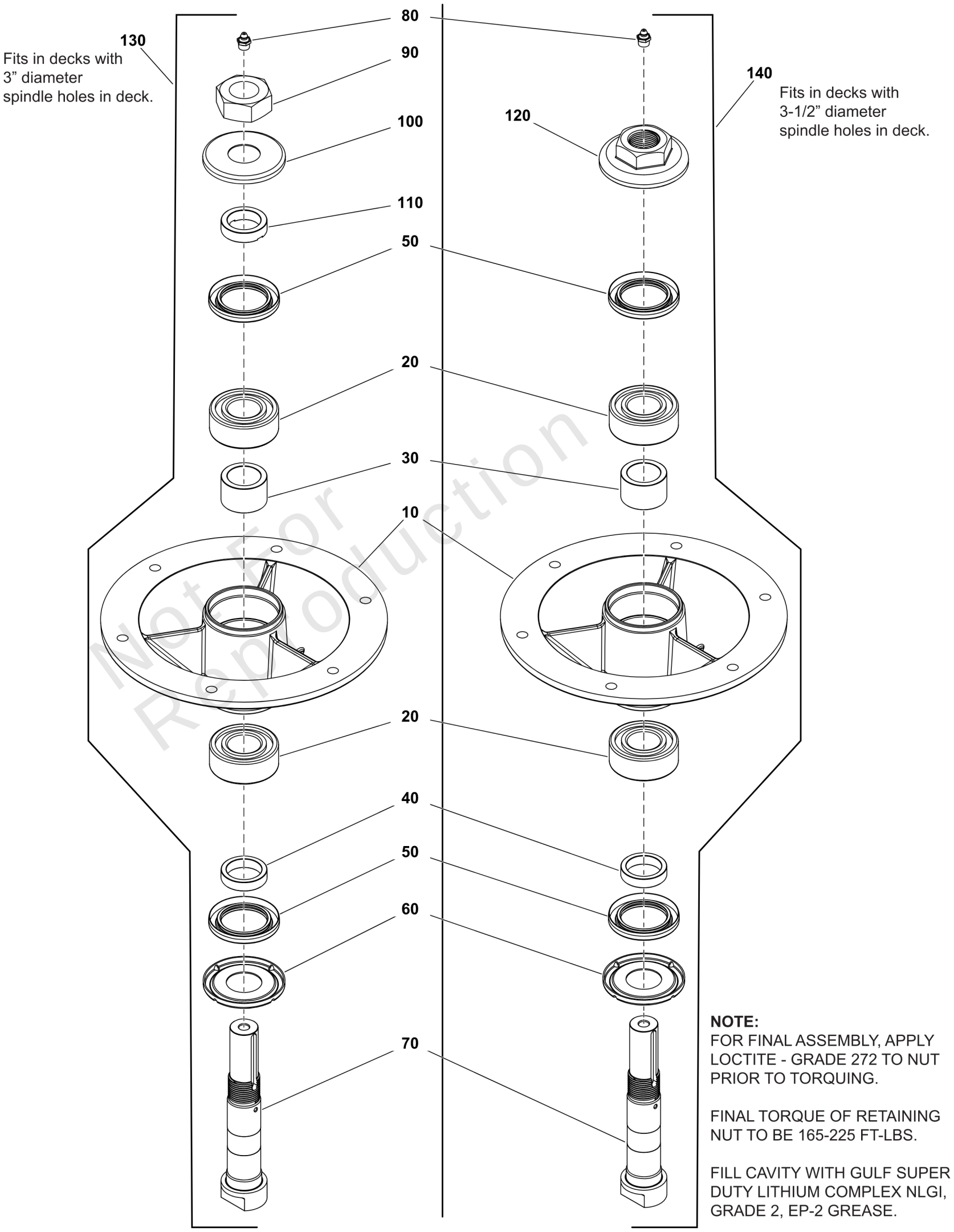
Spindle Service Parts - 84003242 / 84007984

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068



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 GULF SUPER DUTY LITHIUM COMPLEX NLGI, GRADE 2, EP-2 GREASE.

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Spindle Service Parts - 84003242 / 84007984

REF NO	PART NO	QTY	DESCRIPTION
10	84003315	1	HOUSING, SPINDLE
20	84003324	2	BEARING
30	84003325	1	SPACER
40	84003319	1	SPACER
50	84003323	2	SEAL, LIP
60	84003317	1	SHIELD
70	84003320	1	SHAFT, SPINDLE
80	5023329SM	1	FITTING
90	84003321	1	NUT
100	84003318	1	SHIELD
110	84003316	1	SPACER (1.183 x 1.625 x 0.420)
120	84010900	1	NUT, WASHER
130	84007984	1	SPINDLE ASSEMBLY -(Fits in decks with 3" diameter spindle holes in deck.)
140	84003242	1	SPINDLE ASSEMBLY -(Fits in decks with 3-1/2" diameter spindle holes in deck.)

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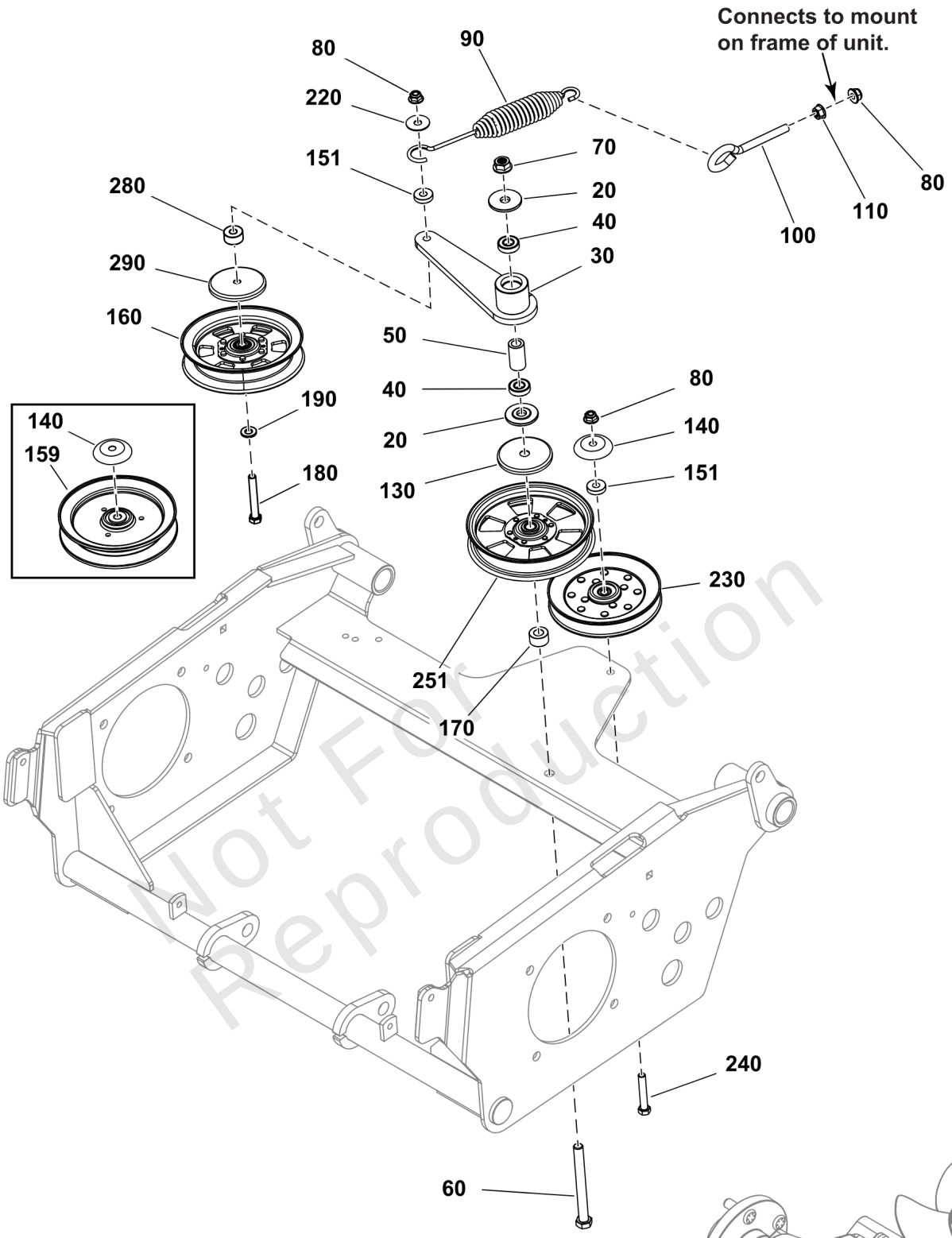
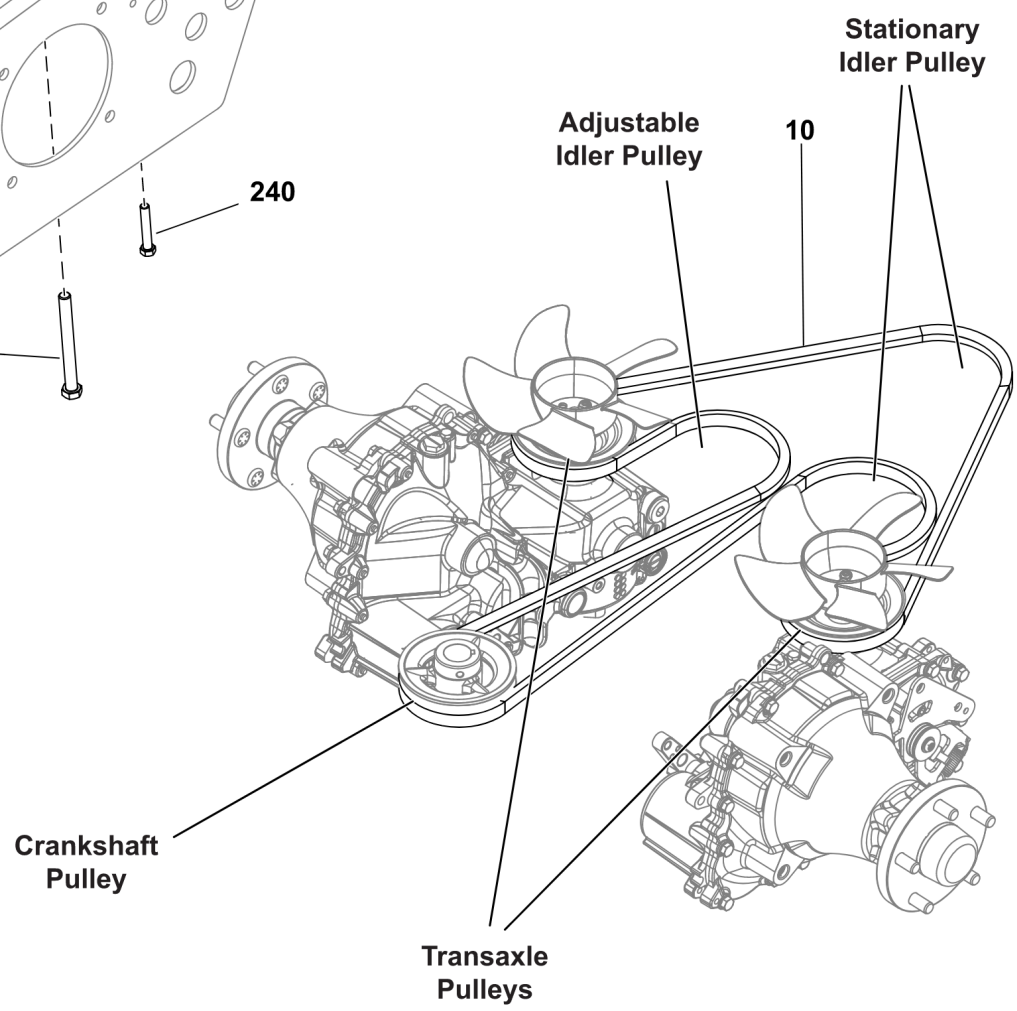
Transaxle Drive Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902068





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Transaxle Drive Group

REF NO	PART NO	QTY	DESCRIPTION
10	84003255	1	BELT, DRIVE
20	5103262YP	2	SPACER, IDLER ARM
30	84003256	1	ARM, IDLER
40	7078243YP	2	BEARING, BALL, AXLE
50	5103812YP	1	SPACER, .52 X .84 X 1
60	5025017X40SM	1	BOLT, 1/2-13 X 5" GD5
70	770225	1	NUT
80	5025394SM	3	NUT, 3/8-16 HEX NYLOCK
90	5100632YP	1	SPRING, EXTENSION
100	5025429SM	1	EYEBOLT - 3/8-16
110	5025128SM	1	NUT, 3/8-16 HEX SERRA
130	5105145YP	1	SHIELD
140	5103787YP	1	SHIELD, BRNG PULLEY -(Qty: 2 - Serial Number: 4002398211 and Below)
151	5044960SM	2	SPACER, .39 X 1.00 X
159	5103789YP	1	PULLEY, C-SEC,V-IDLER -(Serial Number: 4002398211 and Below)
160	84012665	1	PULLEY w/ Shield -(Serial Number: 4002398212 and Above)
170	5101162YP	1	SPACER
180	5025013X22SM	1	BOLT, 3/8-16 X 2-3/4"
190	5025293SM	1	WASHER, 3/8"
220	5025165SM	1	WASHER, 3/8" FENDER
230	5102093YP	1	PULLEY-IDLER-V
240	5025013X18SM	1	BOLT, 3/8-16 X 2-1/4"
251	5104717YP	1	PULLEY
280	5046860SM	1	SPACER
290	5105146YP	1	SHIELD -(Serial Number: 4002398212 and Above)

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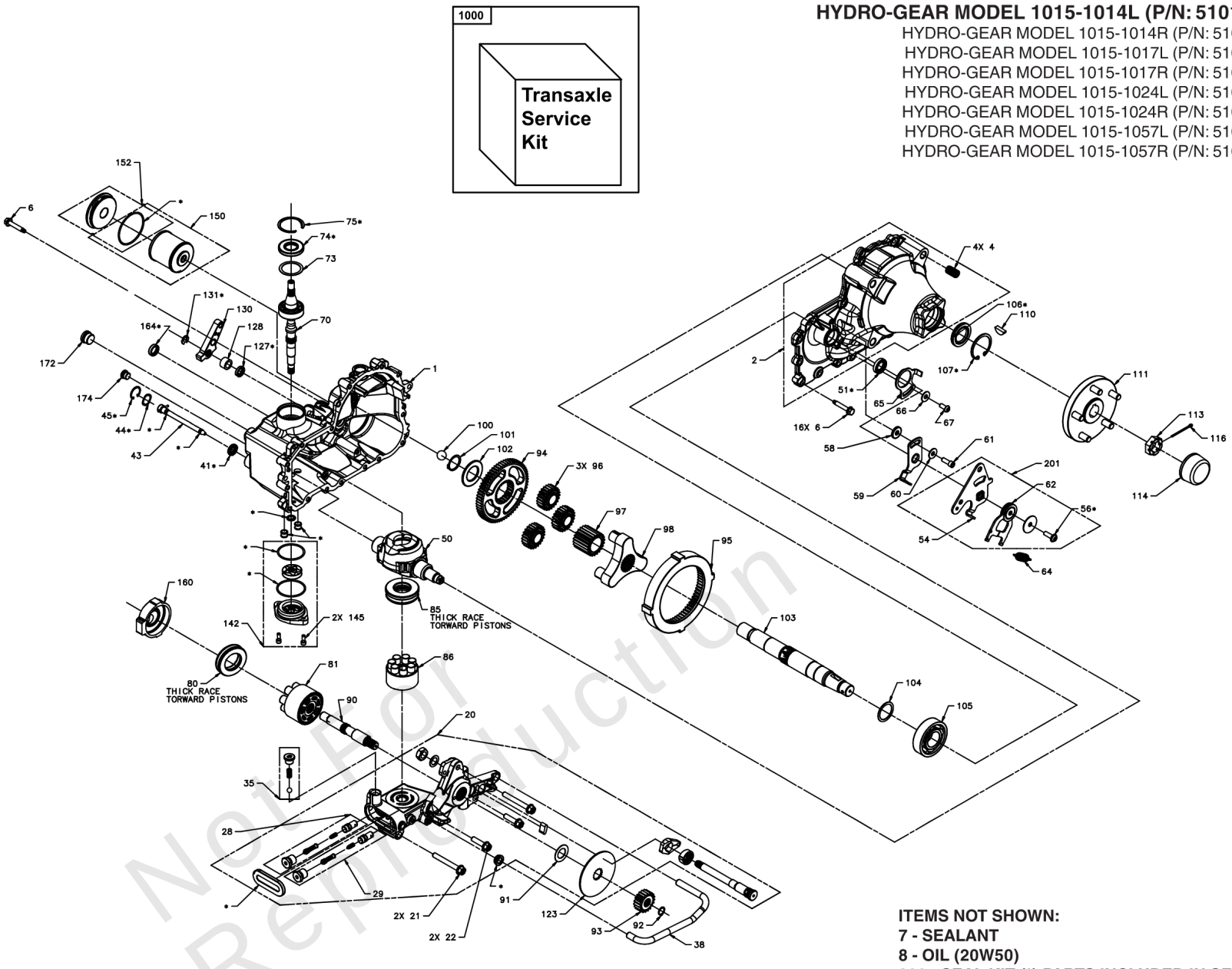
HYDRO-GEAR MODEL 1015-1014L (P/N: 5101988)
HYDRO-GEAR MODEL 1015-1014R (P/N: 5101987)
HYDRO-GEAR MODEL 1015-1017L (P/N: 5102254)
HYDRO-GEAR MODEL 1015-1017R (P/N: 5102253)
HYDRO-GEAR MODEL 1015-1024L (P/N: 5102870)
HYDRO-GEAR MODEL 1015-1024R (P/N: 5102871)
HYDRO-GEAR MODEL 1015-1057L (P/N: 5103964)
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	5101987X5YP	1	Axle Cap (SV) -(Hydro-Gear P/N 53724)
150	5101987X2YP	1	Kit, Filter (SV) -(Hydro-Gear P/N 71943)
200	84009762	1	KIT, SEAL -(Hydro-Gear P/N 71945)
51	84003309	1	KIT, CONTROL ARM SEAL -(Hydro-Gear P/N 55526)
64	1735483SM	1	SPRING, Extension -(Hydro-Gear P/N 52401)
70	84003310	1	KIT, INPUT SHAFT (BEARING AND SHAFT ONLY) -(Hydro-Gear P/N 71941)
74	84003311	1	KIT, INPUT SEAL -(Hydro-Gear P/N 51280)
106	84003314	1	KIT, AXLE SEAL -(Hydro-Gear P/N 53008)
111	84003312	1	ASSM, HUB, STANDARD AXLE TRANSMISSIONS (ZT5400) -(Hydro-Gear P/N 72039)
111	84003313	1	ASSM, HUB, LONG AXLE TRANSMISSIONS (ZT5400) -(Hydro-Gear P/N 72102)
127	84009095	1	SEAL, SHAFT -(Hydro-Gear P/N 55523)(Refer to Note: *)
1000	84009788	1	KIT, TRANSAXLE SERVICE PARTS -(Includes 10 Qts oil, 2 oil filters, 2 fittings, 2 vent hoses, 2 vent hose plugs, and 2 hose clamps.)

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Footnotes:

Note: *See F173 Service Bulletin/55949 HG Seal to ensure correct seal is being used.

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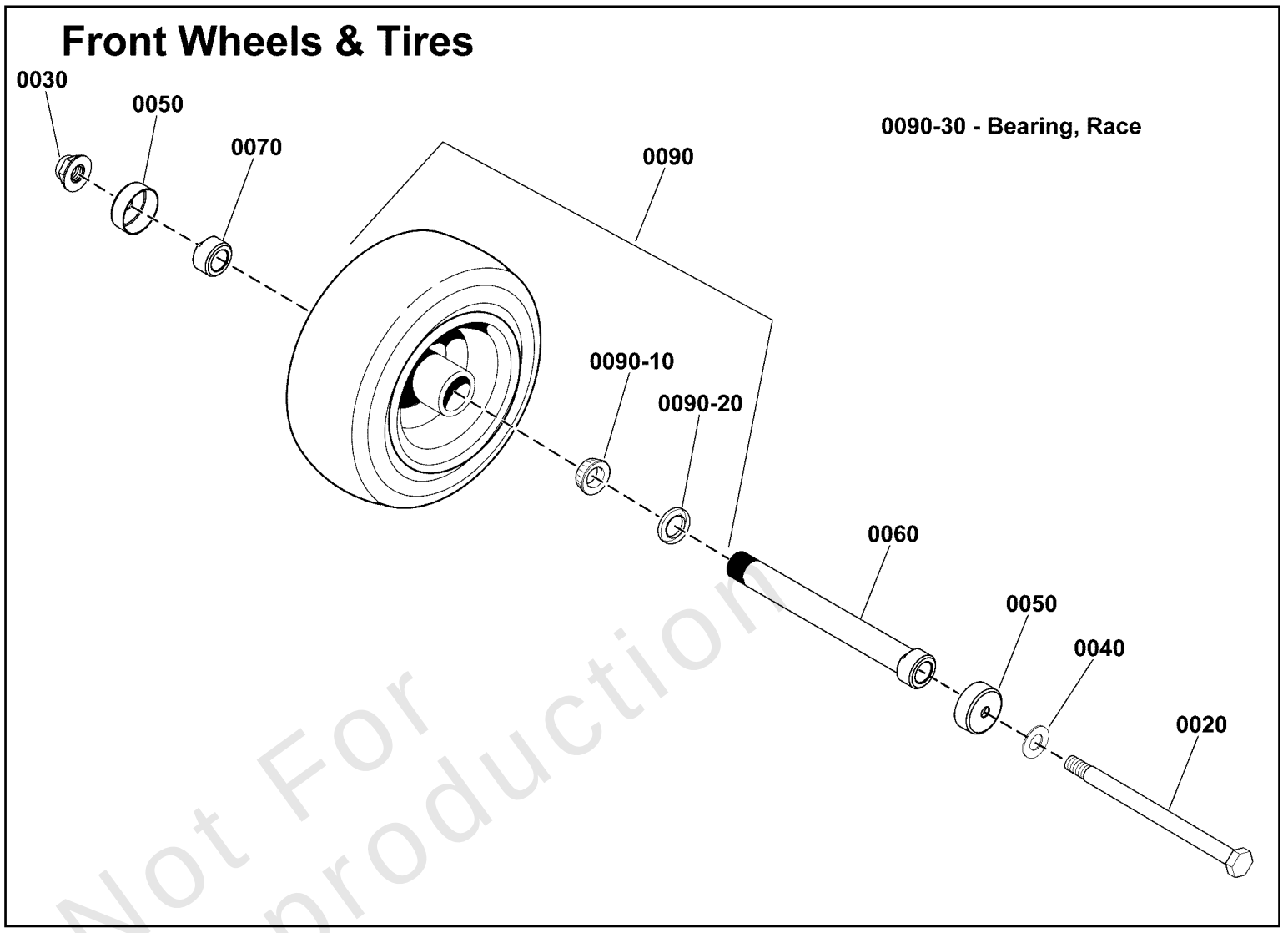

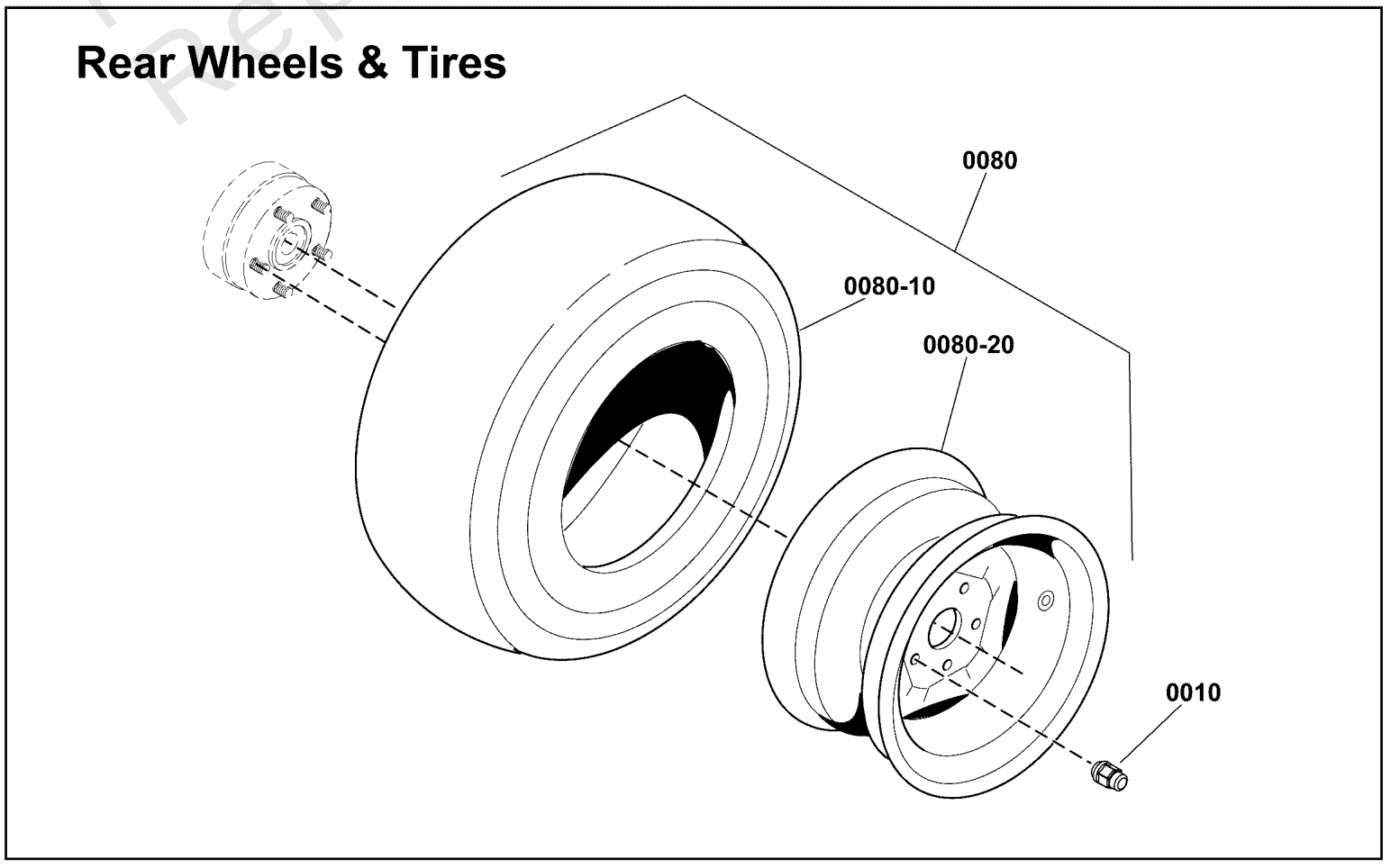

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Wheel and Tire Group

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	10	LUG NUT, Black -(Originally Black Lug nut - Replacement 5020601SM is silver in color).
0010	5020601SM	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER -(Replacement 5020601SM is silver in color).
0020	5025017X72	2	BOLT, 1/2-13 X 9" GD5 YZ
0030	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
0040	5025158	2	WASHER, 1/2 SAE
0050	5108803	4	DUST CAP, CASTER TIRE, BLACK
0060	5103649	2	BEARING ADJUSTER, SPACER, 7.062 LG
0070	5103650	2	NUT, BEARING ADJUSTER, AXLE
0080	5108784	2	TIRE/WHEEL 26X12.00-12 MULTI TRAC, BLACK
0080-10	84003893	2	TIRE, 26 X 12 - 12 -(SV - One per tire)
0080-20	5108784X1	2	WHEEL, 12 X 9.50, 5/4.5, VIKING BLACK -(SV)
0090	5108751	2	TIRE ASM 13 X 6.5-6, FF/TB, BLACK
0090-10	5022631SX2	2	BEARING, Tapered Roller -(SV - Two per tire)
0090-20	5022631SX3	2	SEAL, GREASE -(SV - Two per tire)
0090-30	5022631SX4	2	BEARING, RACE -(SV - Not illustrated)

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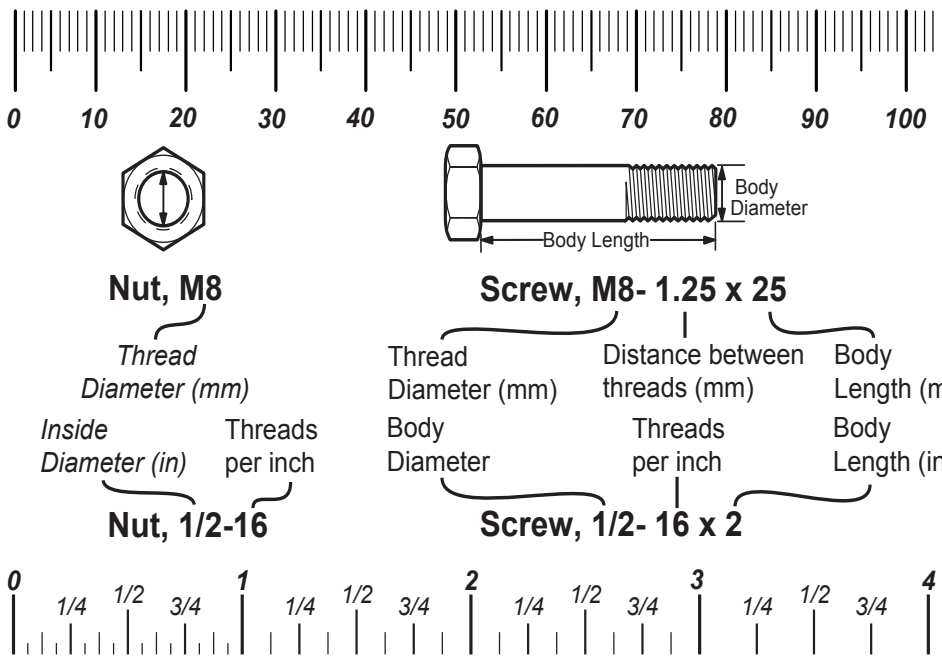
Hardware Identification & Torque Specifications

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

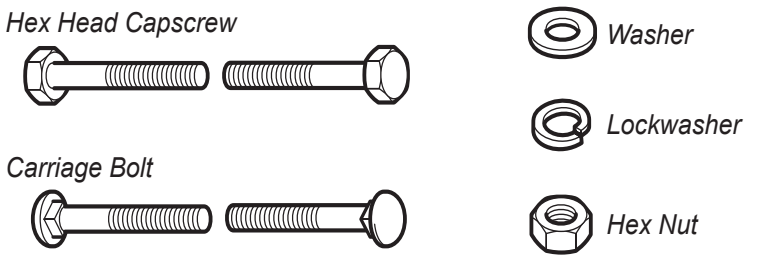
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

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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