



Parts Manual IS2500Z Series Zero-Turn Riding Mower



Models:	Description:
5900781	Ferris 20HP Yanmar w/ 52" Rear Discharge Mower Deck & ROPS (IS2500Y2052RDCE)
5900783	Ferris 20HP Yanmar w/ 52" Side Discharge Mower Deck & ROPS (IS2500Y2052SDCE)
5900798	Ferris 20HP Yanmar w/ 52" Side Discharge Mower Deck & ROPS (IS2500ZY20D52)

Briggs and Stratton Yard Power Products Group
5375 North Main Street
Munnsville, NY 13409 USA
800-933-6175

5101976
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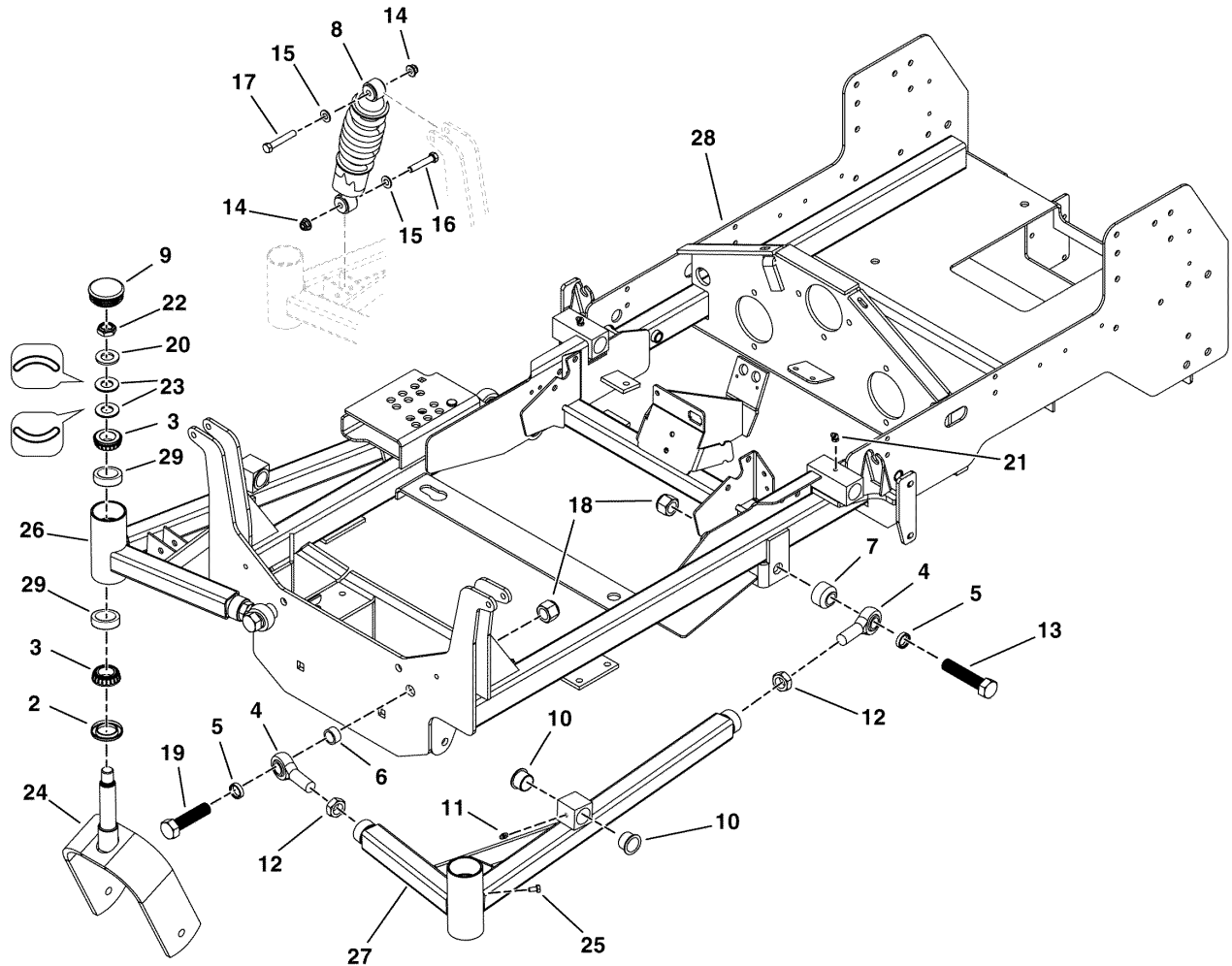
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Torque Specification Chart	Inside Back Cover

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Main Frame & Front Suspension Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301600



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Main Frame & Front Suspension Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025430	1	CLAMP, 5/16, DOUBLE, WIRE & TUBE (NOT SHOWN)
2	5021072	2	SEAL, GREASE
3	5020884	4	BEARING, TAPERED ROLLER, 1
4	5022039	4	BALL JOINT, 3/4-16, MALE
5	5047461	4	SPACER, .76 X 1.00 X .25
6	5046092	2	SPACER, .76 X 1.00 X .50
7	5046093	2	SPACER, .75 X 1.50 X 1.00
8	5023436	2	SHOCK ABSORBER
9	5100882	2	CAP, CASTER SPINDLE, LOW PROFILE
10	5023356	4	BUSHING, 1.00X1.13X.75, PLA
11	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
12	5025093	4	NUT, 3/4-16 HEX JAM
13	5025265X28	2	BOLT, 3/4-16 X 3-1/2 YZ GD5
14	5025284	4	NUT, 3/4-16 HEX NYLON LOCK
15	5025156	4	WASHER, 3/8 SAE
16	5025013X16	2	BOLT, 3/8-16 X 2 GD5 YZ
17	5025013X18	2	BOLT, 3/8-16 X 2-1/4 GD5 YZ
18	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
19	5025265X24	2	BOLT-3/4-16 X 3 YZ GD5
20	5025160	2	WASHER, 3/4 SAE
21	5020020	2	GREASE FITTING, 45 DEGREE
22	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
23	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
24	5402208B	2	WELD, CASTER YOKE -RED
25	5025457	2	BOLT, 1/4-28 X 1/2, GD5 YZ
26	5404854B	1	WELD, FRONT A-ARM, LH, IS2500 - RED
27	5404853B	1	WELD, FRONT A-ARM, RH, IS2500 - RED
28	5404311B	1	WELD, MAIN FRAME, IS2500Z - RED
29	5020883	4	BEARING CUP (SV)

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

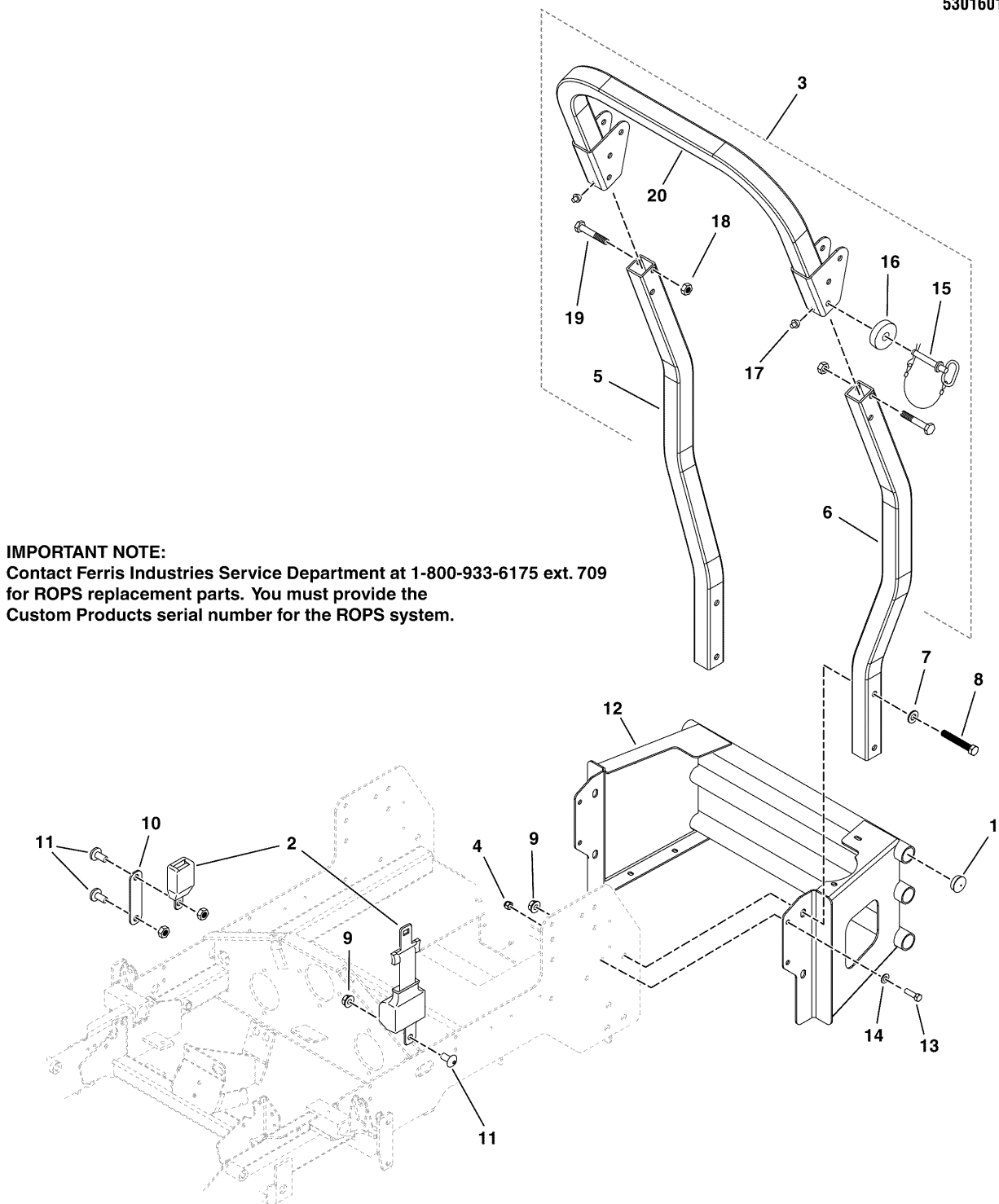
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Rear Bumper, Roll Bar & Seat Belt Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301601



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)
5900781 (IS2500Y2052RDCE)
5900783 (IS2500Y2052SDCE)

Rear Bumper, Roll Bar & Seat Belt Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5023484	6	PLUG, PANEL, 1.25 - BLACK
2	5100139	1	SEAT BELT, RETRACTING - ASSM
3	5100190	1	ROPS COMPLETE IN BOX, IS2000
4	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
5	-	1	ROLL BAR POST, RH
6	-	1	ROLL BAR POST, LH
7	5025158	4	WASHER, 1/2 SAE
8	5025017X26	4	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, YZ
9	5025396	7	NUT, 1/2-13 HEX NYLOCK FLANGE
10	5401044B	1	EXTENSION, SEAT BELT - RED
11	5100267	3	SCREW, 1/2-13 X 1.00, SHCS
12	5404669B	1	BUMPER, REAR, IS2500
13	5025013X8	4	BOLT, 3/8-16 X 1 GD5 YZ
14	5025156	4	WASHER, 3/8 SAE
15	5100079	2	PIN, HINGE W/ LANYARD
16	5100545	2	WASHER, EPDM FOAM, 1/2" ID
17	5100383	2	BUMPER, ROPS
18	-	2	NUT
19	-	2	BOLT
20	-	1	ROLL BAR TOP LOOP

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Footnotes

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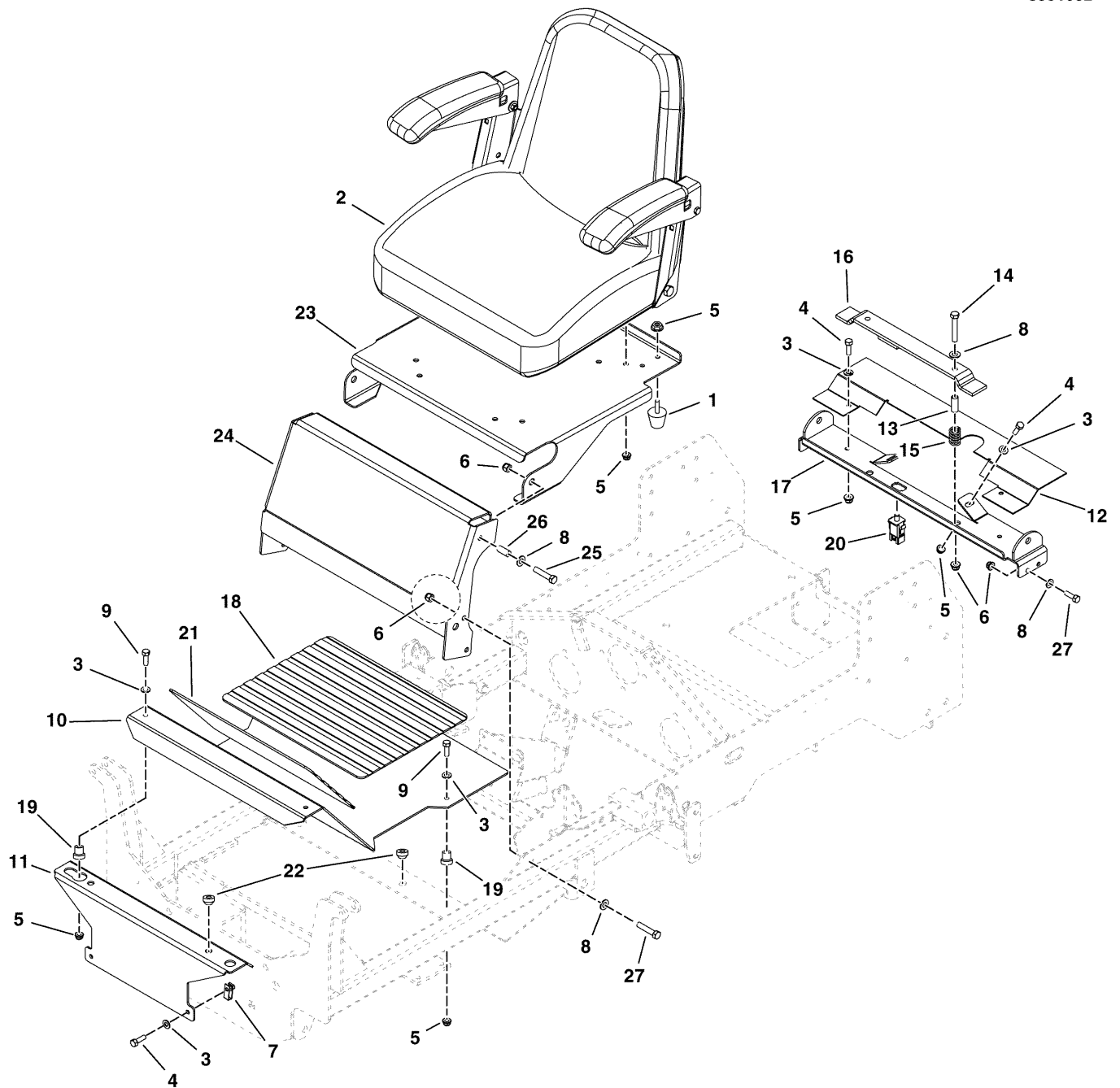
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Seat & Kick Plate Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301602



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Seat & Kick Plate Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022612	2	BUMPER, RUBBER 5/16-18
2	5022031	1	SEAT, GRAY, NO LOGO, CMPT
3	5025155	10	WASHER, 5/16 SAE
4	5025011X8	6	BOLT, 5/16-18 X 1 GD5 YZ
5	5025392	12	NUT, 5/16-18 HEX NYLOCK FLANGE
6	5025394	10	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025452	2	BODY CLIP, 5/16-18 -1/4 MATERIAL
8	5025156	12	WASHER, 3/8 SAE
9	5025011X12	4	BOLT, 5/16-18 X 1-1/2 GD5 YZ
10	5406239B	1	PLATE, FLOOR, IS2500 - RED
11	5405101B	1	WELD, FRONT FLOOR - RED
12	5404943B	1	GUARD, HYDRO BELT, IS2500 - RED
13	5041931	2	SPACER, .38 X .50 X 1.25
14	5025013X18	2	BOLT, 3/8-16 X 2-1/4 GD5 YZ
15	5101079	2	SPRING-COMP, .625 ID X 1.31 LG X .105 WR
16	5404894B	1	WELD, SEAT SWITCH, IS2500Z -RED
17	5405031B	1	WELD, SEAT SUPPORT - RED
18	5101013	1	SAFETY WALK, 11.50 X 15.00
19	5023257	4	BUSHING, .38 X .88 X .73
20	5022198	1	SWITCH, PLUNGER, NO/NO SNAP-IN
21	5101007	1	SAFETY WALK, FLOOR REST, 17.13 X 6.00
22	197546	6	MNT, VBRTN, RBBR
23	5405750B	1	PLATE, SEAT SUPPORT IS2500Z - RED
24	5405749B	1	SEAT SUPPORT - RED
25	5025013X10	2	BOLT, 3/8-16 X 1-1/4 GD5
26	5041930	2	SPACER, .38 X .50 X .27
27	5025013X8	4	BOLT, 3/8-16 X 1 GD5

Footnotes

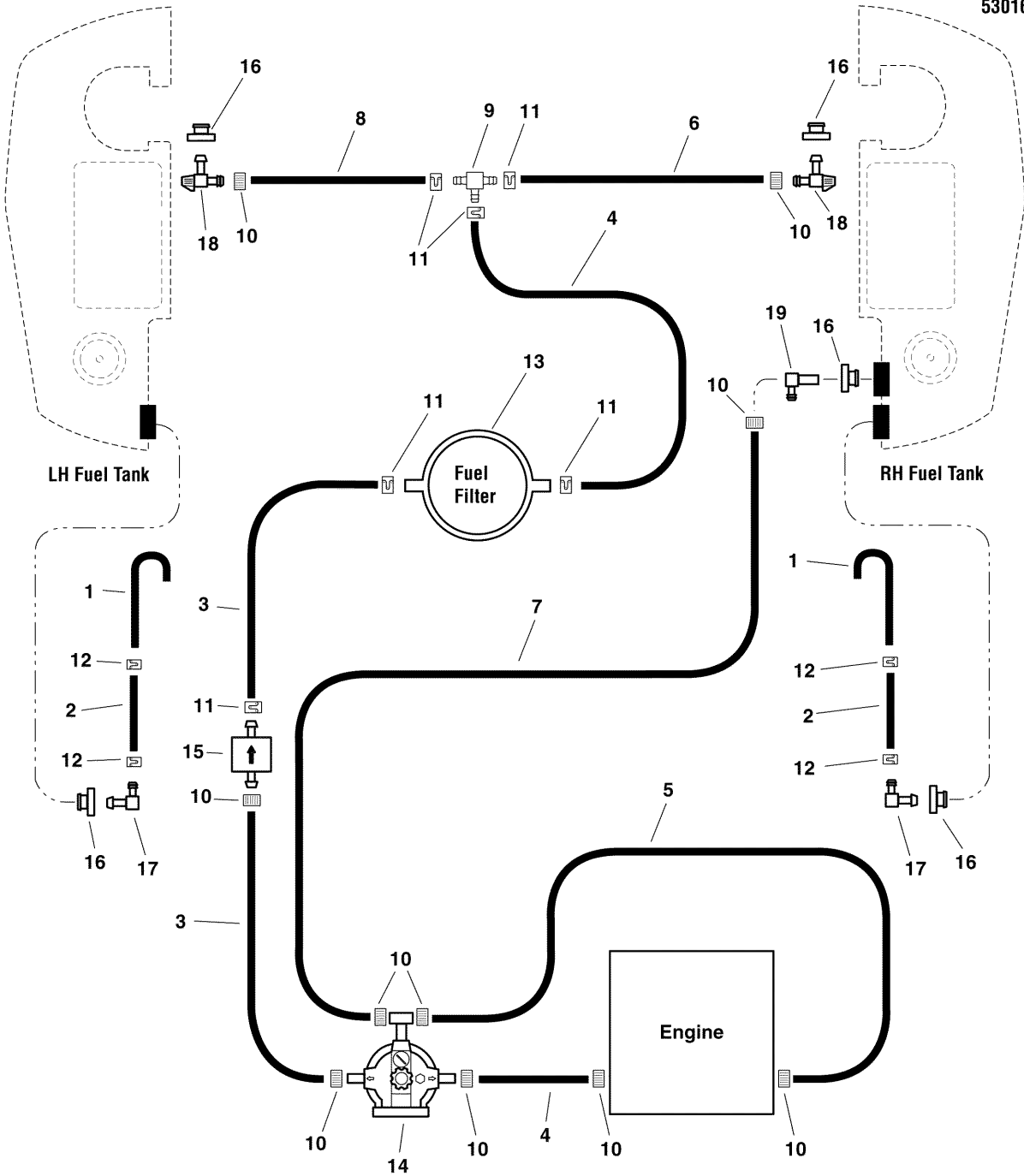
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5900798 (IS2500ZY20D52)
5900781 (IS2500Y2052RDCE)
5900783 (IS2500Y2052SDCE)

Fuel Supply Hose & Tank Replacement Parts Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301603



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)
 5900781 (IS2500Y2052RDCE)
 5900783 (IS2500Y2052SDCE)

Fuel Supply Hose & Tank Replacement Parts Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5404079	2	VENT TUBE, DIESEL
2	5050831X30	2	HOSE, 1/4" FUEL, 30.00"
3	5102045X2P5	2	FUEL HOSE, 5/16 ID X 2.50
4	5102045X14	2	FUEL HOSE, 5/16 ID X 14.00
5	5102045X19	1	FUEL HOSE, 5/16 ID X 19.00
6	5102045X22	1	FUEL HOSE, 5/16 ID X 22.00
7	5102045X25	1	FUEL HOSE, 5/16 ID X 25
8	5102045X42	1	FUEL HOSE, 5/16 ID X 42.00
9	5102041	1	FITTING, TEE, 5/16 HOSE
10	5022922	10	CLAMP, #4 HOSE, STAINLESS
11	5102046	6	CLAMP, HOSE, EXTERNAL, 9/16
12	5020835	4	CLAMP, HOSE, EXTERNAL, 1/2 - RED
13	5100595X3	1	FILTER, FUEL, PRIMARY (SV)
14	-	1	FUEL / WATER SEPERATOR (SEE YOUR YANMAR DEALER)
15	-	1	FUEL PUMP (SEE YOUR YANMAR DEALER)
16	5600050	5	KIT, BUSHING FUEL (SV)
17	5100959	2	FITTING, DAPCO, 3/8" 90 DEGREE (SV)
18	5100908	2	VALVE, FUEL SHUT-OFF, 11408 (SV)
19	5102043	1	FITTING, 5/16 X .40, 90 ELBOW DAPCO. (SV)
20	5025011X28	1	BOLT, 5/16-18 X 3-1/2 GD5 (NOT SHOWN) (SECURES WATER SEPARATOR)
21	5025155	1	WASHER, 5/16 SAE (NOT SHOWN) (SECURES WATER SEPARATOR)
22	5023257	1	BUSHING, .38 X .88 X .73 (NOT SHOWN) (SECURES WATER SEPARATOR)
23	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE (NOT SHOWN) (SECURES WATER SEPARATOR)

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

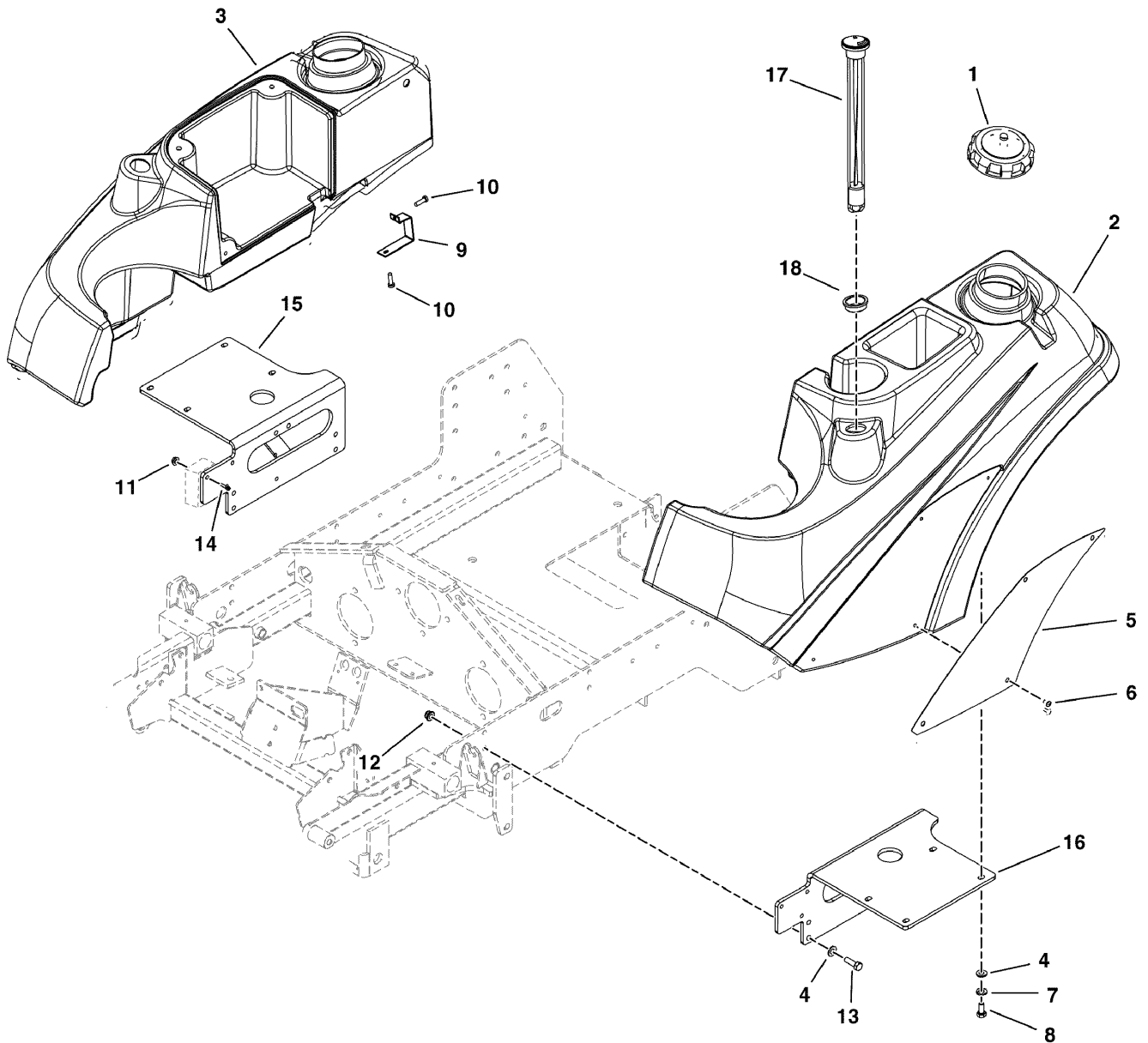
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Fuel Tank & Mount Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301604



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Fuel Tank & Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5101273	2	FUEL CAP, 3.5", NON VENTED, DIESEL
2	5101854	1	TANK, FUEL, LH, IS2500Z
3	5101855	1	TANK, FUEL, RH, IS2500Z
4	5025155	16	WASHER, 5/16 SAE
5	5401095B	2	BADGE, IS2000 - IS3000 - RED
6	5025386	8	SCREW, #10-24 X 3/8 ALLEN BHBZ
7	5025170	8	WASHER, 5/16 LOCK YZ
8	5025011X6	8	BOLT, 5/16-18 X 3/4 GD5
9	5402480B	2	GUARD, FUEL TANK - RED
10	5025299X4	4	SCREW, 1/4-20 X 1/2 ALLEN BH
11	5025029	5	NUT, #10-24 HEX
12	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
13	5025011X8	8	BOLT, 5/16-18 X 1 GD5 YZ
14	5025179X6	5	SCREW, #10-24 X 3/4 ROUND PHILLIPS
15	5404679B	1	WELD, MOUNT, TANK, RH - RED
16	5404680B	1	WELD, MOUNT, TANK, LH - RED
17	5022917	1	GAUGE, FUEL, 12 (SV)
18	5022917X1	1	GROMMET, FUEL GAUGE (SV)

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Footnotes

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5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

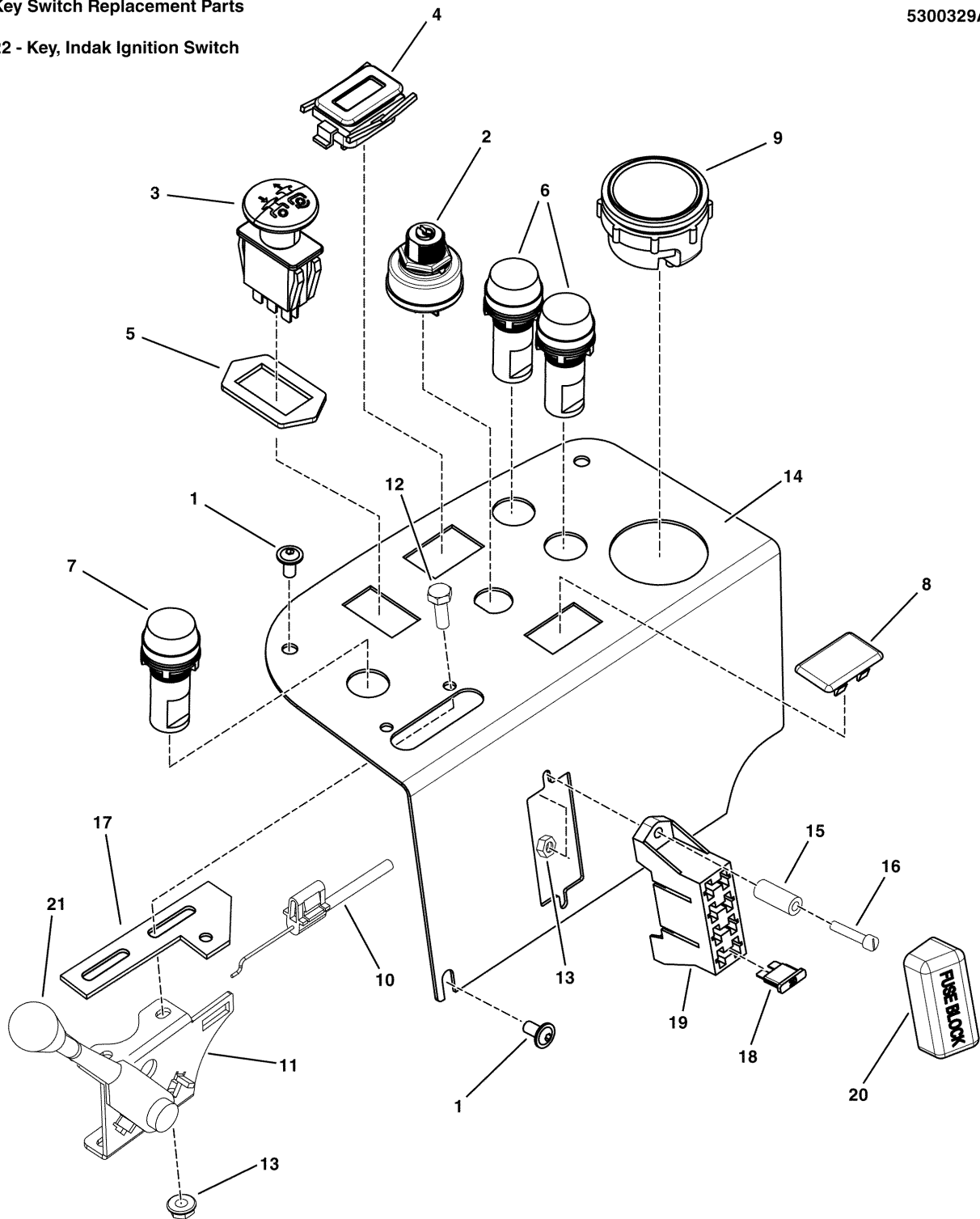
Instrument & Control Panel Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

Key Switch Replacement Parts

5300329A

22 - Key, Indak Ignition Switch



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- 5900798 (IS2500ZY20D52)
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- 5900783 (IS2500Y2052SDCE)

Instrument & Control Panel Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025299X4	3	SCREW, 1/4-20 X 1/2 ALLEN BH
2	5100582	1	SWITCH, IGNITION, 6 POST - YANMAR
3	5022180	1	SWITCH, BLADE ENGAGEMENT
4	5100996	1	HOUR METER, W/ SUPPRESSOR
5	5022222	1	RING, SWITCH RETAINER
6	5023452	2	LIGHT, WARNING, 22MM RED
7	5023451	1	LIGHT, GLOW PLUG, 22MM AMBER
8	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
9	5023393	1	GAUGE, WATER TEMPERATURE
10	5101072	1	CABLE, THROTTLE, 52"
11	5101537	1	LEVER, THROTTLE CONTROL, HEAVY-DUTY
12	5025179X6	2	SCREW, #10-24 X 3/4 ROUND PHILLIPS
13	5025271	4	NUT, #10-24 HEX NYLON LOCK
14	5403507A	1	PANEL, CONTROL, IS2000Z YANMAR - BLK
15	5102275	2	SPACER, .20 X .38 X 1.75, YZ
16	5025270X20	2	SCREW, 10-24 X 2-1/2, RD HD PHILLIPS, CZ
17	5406227A	1	PLATE, THROTTLE STOP - BLK
18	5021603	4	FUSE, ATO, 20 AMP
19	5021518	1	FUSE BLOCK
20	5022805	1	COVER, VINYL FUSEBLOCK
21	5046360X1	1	THROTTLE CONTROL HANDLE/KNOB (SV)
22	5100582X2	1	KEY SET, INDAK IGNITION SWITCH (SV)
23	5102400	1	BEZEL NUT & SEAL, IGN. SWITCH, YANMAR (SV) (NOT SHOWN)

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Footnotes

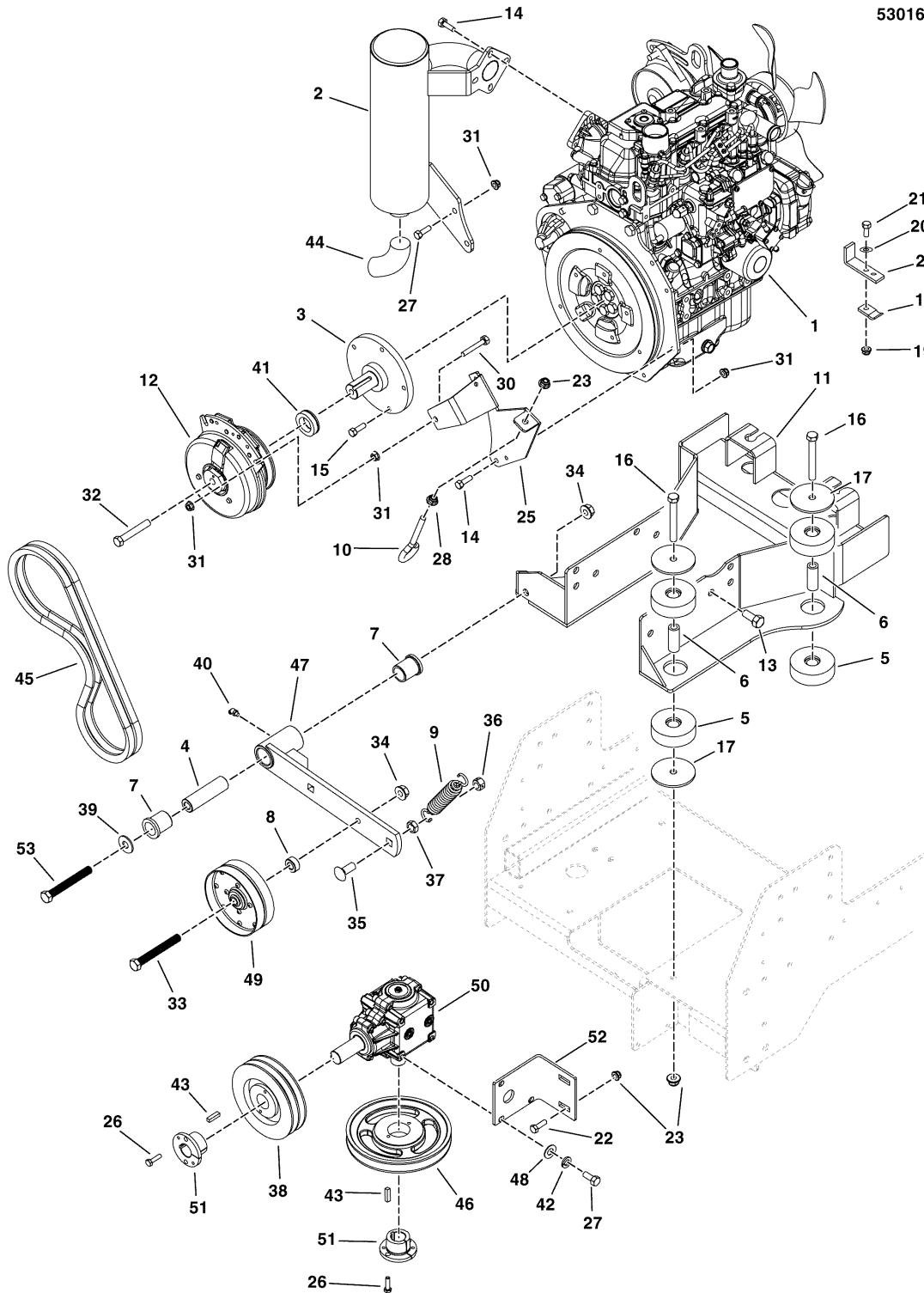
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5900798 (IS2500ZY20D52)
5900781 (IS2500Y2052RDCE)
5900783 (IS2500Y2052SDCE)

Engine & PTO Group - 20HP Yanmar

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301605



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Engine & PTO Group - 20HP Yanmar

REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	1	ENGINE, YANMAR, 20HP HORIZONTAL
2	5101711	1	MUFFLER, IS2500Z YANMAR
3	5101495	1	SHAFT, STUB, YANMAR, FLYWHEEL PLATE
4	5045022	1	SPACER, .52 X 1.00 X 3.50
5	5022897	4	ISO-MOUNT, REAR
6	5047380	4	SPACER, .38 X .62 X 1.62
7	5021541	2	BUSHING, FLANGE
8	5044933	1	SPACER, .39 X .75 X .38
9	5022847	1	SPRING, EXTENSION, SWIVEL END
10	5021811	1	EYE BOLT, 3/8-16 X 8, 1 EYE
11	5404324B	1	WELD, ENGINE MOUNT, IS2500 - RED
12	5101790	1	CLUTCH, WARNER ELECTRIC, IS2500Z
13	5025359	14	BOLT, M10-1.5 X 16MM GD8.8
14	5025249	5	BOLT, M8-1.25 X 20MM GD8.8
15	5025237X25	7	BOLT, M8-1.25 X 25MM GD8.8
16	5025013X24	4	BOLT, 3/8-16 X 3 GD5 YZ
17	5047381	6	WASHER, .39 X 2.50 X .125
18	5022901	1	CLAMP, CONDUIT
19	5025271	1	NUT, #10-24 HEX NYLON LOCK
20	5023499	1	WASHER, #10 SAE
21	5025179X8	1	SCREW, #10-24 X 1 RS
22	1960702	3	BOLT-RD HD SQ NK 3/8-16X1.000 G5 BLK
23	5025394	5	NUT, 3/8-16 HEX NYLOCK FLANGE
24	5405076B	1	BRACKET, THROTTLE CABLE - RED
25	5404351B	1	ANCHOR, CLUTCH - RED
26	5025010X8	4	BOLT, 1/4-20 X 1, GD5
27	5025011X8	11	BOLT, 5/16-18 X 1 GD5 YZ
28	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
29	5025355	4	NUT, M8-1.25 SERR. FLANGE, CZ
30	5025011X16	1	BOLT, 5/16-18 X 2 GD5 YZ
31	5025127	7	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
32	5047632	1	BOLT, CRANKSHAFT, 7/16X2-3/4, PATCH YZ
33	5025017X26	1	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, YZ
34	5025396	1	NUT, 1/2-13 HEX NYLOCK FLANGE
35	5025324X10	1	BOLT, CARRIAGE 1/2-13 X 1-1/4 GD.5
36	5025332	1	NUT, 1/2-13 HEX SIDE LOCK
37	5025301	1	NUT, 1/2-13 HEX JAM
38	5102412	1	PULLEY, 5.75 OD X 2 GROOVE, SPECIAL
39	5025150	1	WASHER, 1/2 USS
40	5020020	1	GREASE FITTING, 45 DEGREE
41	5044062	1	SPACER, 1.13 X 1.75 X .50

Footnotes

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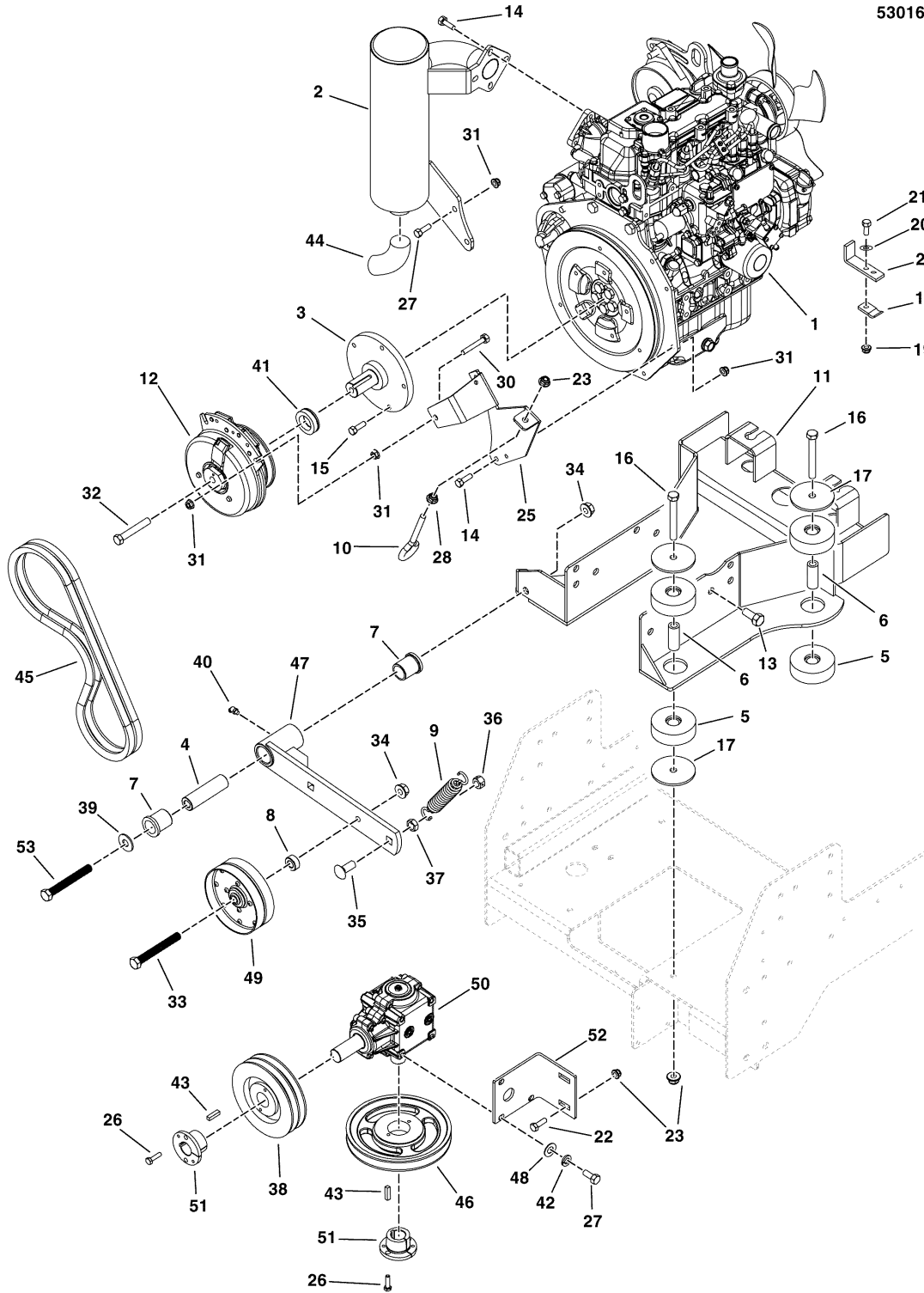
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Engine & PTO Group - 20HP Yanmar

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5301605



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Engine & PTO Group - 20HP Yanmar

REF NO.	PART NO.	QTY.	DESCRIPTION
42	5025170	8	WASHER, 5/16 LOCK YZ
43	5050407X8	2	KEY, 1/4 SQ X 1
44	5102030	1	TAIL PIPE, 1-1/2", 90 DEGREE
45	5101993	1	BELT, A-SEC, 39" EL, MATCHED SET
46	5020815	1	PULLEY, SPINDLE, BH66
47	5405480B	1	WELD, IDLER ARM - RED
48	5025155	8	WASHER, 5/16 SAE
49	5102276	1	PULLEY, IDLER, DOUBLE FLGED, 4IN
50	5022378	1	GEARBOX, RIGHT ANGLE, 1:1
51	5020819	2	BUSHING, TAPERED HUB
52	5404914B	1	BRACKET, GEAR BOX - RED
53	5025017X36	1	BOLT, 1/2-13 X 4-1/2 GD5

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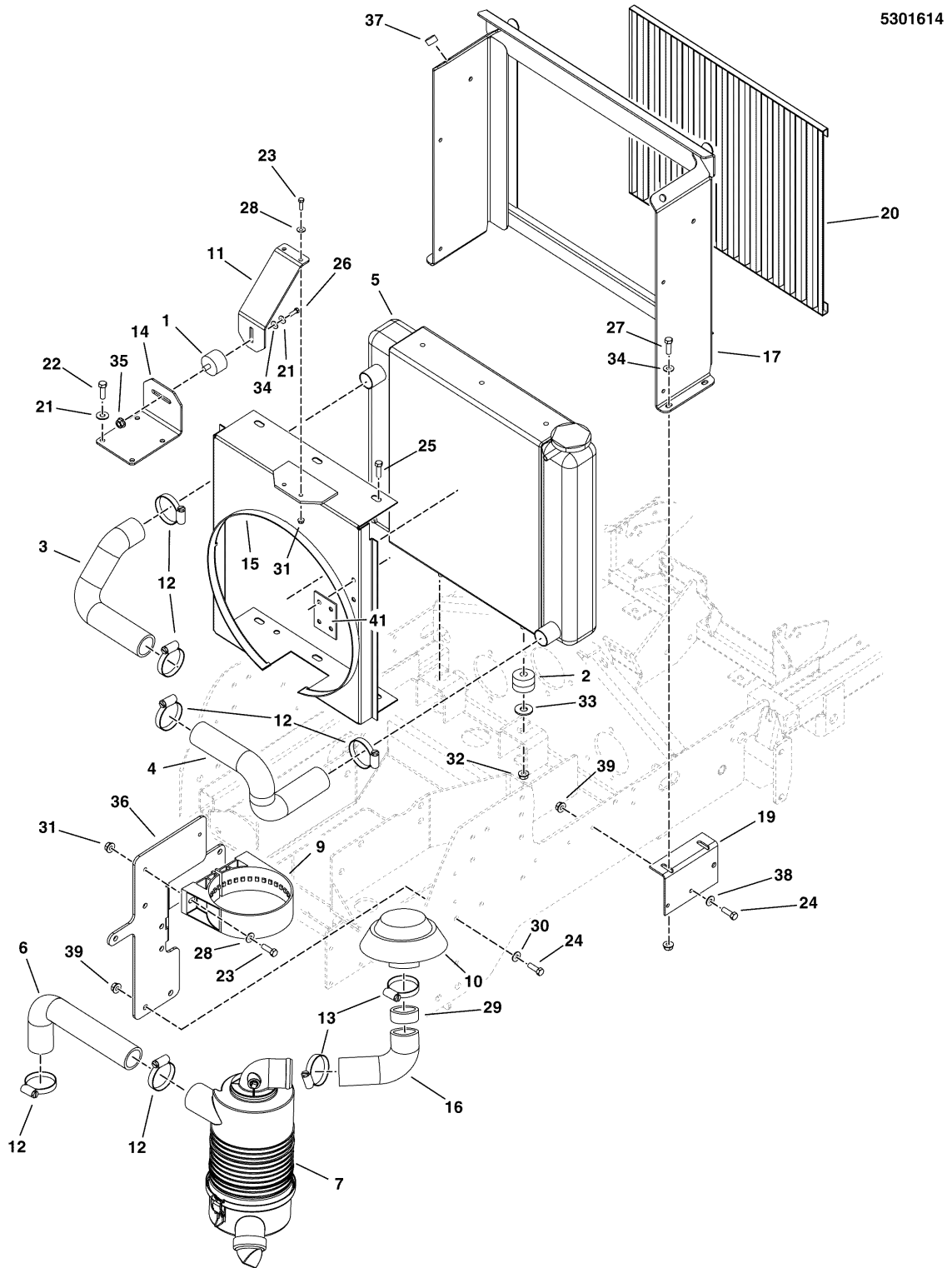
5900798 (IS2500ZY20D52)

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5900783 (IS2500Y2052SDCE)

Radiator & Accessories Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



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5900783 (IS2500Y2052SDCE)

Radiator & Accessories Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5023130	1	MOUNT,ISO,TOP,RAD 5000Z-DIESEL
2	5023131	2	MOUNT, ISO, BOTTOM, RAD 5000Z-DIESEL
3	5101717	1	HOSE, UPPER, RADIATOR
4	5101718	1	HOSE, LOWER, RADIATOR (S/N: 2014038230 & BELOW)
4	5102267	1	HOSE, LOWER, RADIATOR (S/N: 2014038231 & ABOVE)
5	5101697	1	RADIATOR, IS2500 YANMAR (S/N: 2014038230 & BELOW)
5	5102266	1	RADIATOR 11, IS2500 YANMAR (S/N: 2014038231 & ABOVE)
6	5101847	1	HOSE, AIR CLEANER, IS2500Z
7	809218	1	5" AIR CLEANER ASSEMBLY
8	841238	1	ELEMENT ASSEMBLY
9	807213	1	BRACKET, AIR CLEANER ASSY - 5
10	809268	1	RAIN CAP ASSEMBLY
11	5404365B	1	MOUNT, UPPER RADIATOR
12	5023447	4	CLAMP, SS HOSE, 1-3/4
13	5023448	3	CLAMP, SS HOSE 2-3/4
14	5404364B	1	MOUNT, UPPER ENGINE - RED
15	5405892A	1	WELD, SHROUD - BLK
16	5102213	1	HOSE, AIR FILTER, IS2500 YANMAR
17	5405944B	1	WELD, RADIATOR ENCLOSURE - RED
18	5405945B	1	PLATE,MOUNT,RADIATOR ENCLOSURE, RH - RED
19	5405946B	1	PLATE, MOUNT,RADIATOR ENCLOSURE,LH - RED
20	5101739	1	SCREEN, FRONT, RAD
21	5025170	5	WASHER, 5/16 LOCK YZ
22	5025249	4	BOLT, M8-1.25 X 20MM GD8.8
23	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
24	5025013X8	6	BOLT, 3/8-16 X 1 GD5 YZ
25	5023158	5	BOLT, 5/16-18 X 1/2 FLANGE, SPEC
26	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
27	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ
28	5025154	3	WASHER, 1/4 SAE
29	5102351A	1	SLEEVE, 2.0 OD X 1.87 ID X 2.5 LG - BLK
30	5025401	4	WASHER, 3/8 USS
31	5025391	4	NUT, 1/4-20 HEX NYLOCK FLANGE
32	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
33	5025164	2	WASHER, 5/16 FENDER
34	5025155	7	WASHER, 5/16 SAE
35	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
36	5404971B	1	BRACKET, AIR FILTER - RED
37	197546	2	MNT, VBRTN, RBBR
38	5025156	4	WASHER, 3/8 SAE
39	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
40	5050913X18	4	FOAM, 3/4 X 1 X 18 (NOT SHOWN)
41	5406139A	1	TAB, MOUNT, COOLANT TANK - BLK

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

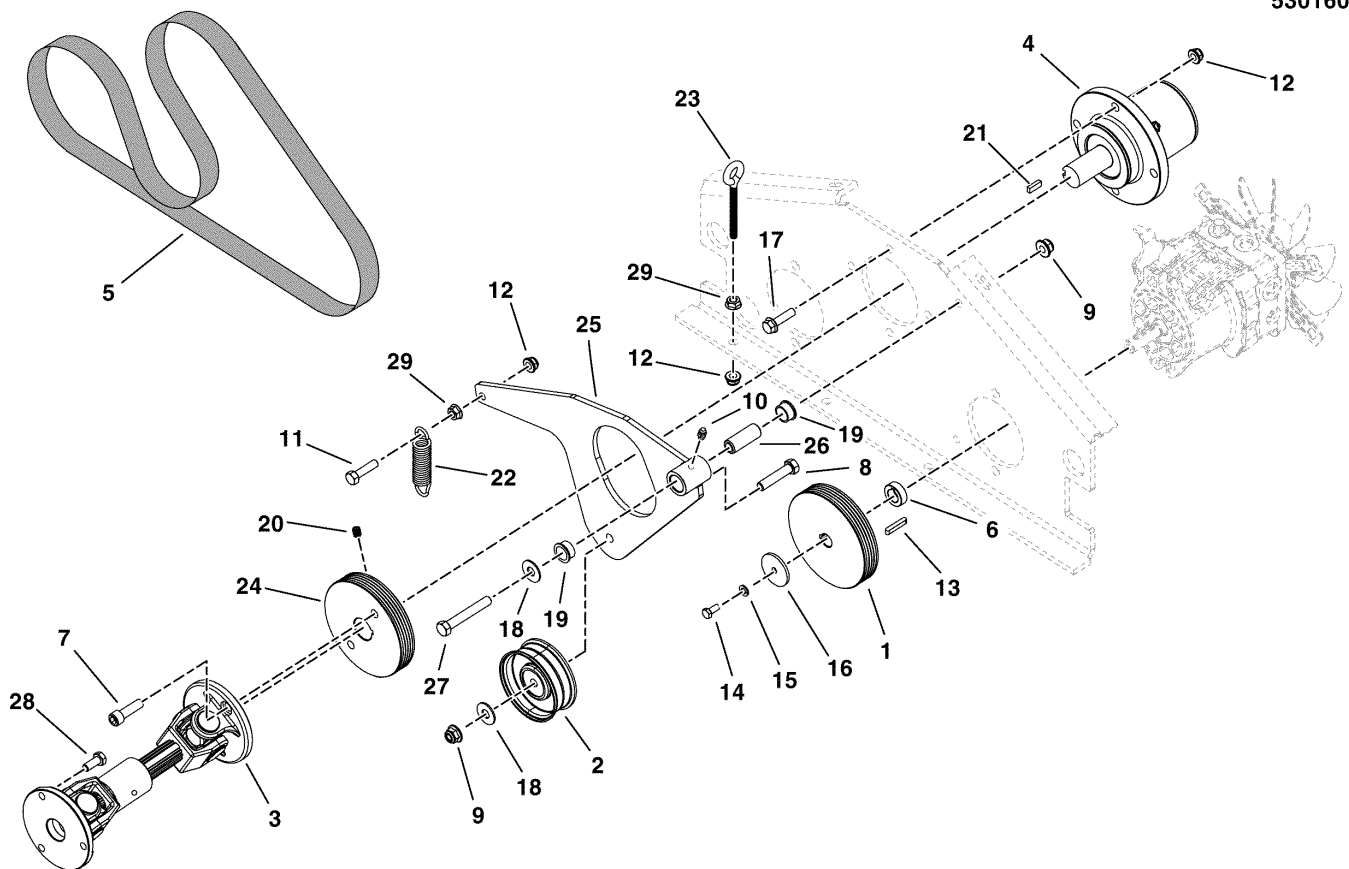
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Pump Drive Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301606



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Pump Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5101877	2	PULLEY, POLY V "K" SECTION 5K4.5 X 15MM
2	1721133	1	PULLEY, IDLER, 2.75 DIA X .376 ID
3	5101712	1	DRIVE SHAFT ASM, IS2500Z
4	5101791	1	ASSM, CARRIER BEARING
5	5102272	1	BELT, PLOY V-TYPE, 49.75, 5 RIB
6	5101862	2	BUSHING, 15MM X 25MM X 8.6MM - KEYED
7	5025327	2	BOLT, 3/8-16 X 1-1/4 SHCS
8	5025013X14	1	BOLT, 3/8-16 X 1-3/4 GD5
9	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
10	5020095	1	GREASE FITTING, 1/4-28 STRAIGHT
11	5025011X10	1	BOLT, 5/16-18 X 1-1/4 GD5 YZ
12	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
13	5023254	2	KEY, 5MM SQ. W/ RADIUS
14	5025235	2	BOLT, M6 X 20MM GD8.8
15	5025169	2	WASHER, 1/4 LOCK
16	5044577	2	WASHER, .265 X 1.50 X .109, YZ
17	5023156	4	BOLT, 5/16-18 X 1 1/4 FLANGE
18	5025401	2	WASHER, 3/8 USS
19	1676148	2	BUSHING-0.628IDX0.751ODX0.400LG PWDR MTL
20	5025531	6	SET SCREW, 5/16-18 X 3/8, KNURL, W/PATCH
21	5050407X8	1	KEY, 1/4 SQ X 1
22	5101253	1	SPRING-EXT, .750OD X 3.40LG X .115WR
23	5025527	1	EYE BOLT, 5/16-18 X 4", 2-3/4 THRD CZ
24	5102308	1	PULLEY POLY V"K" SECTION 5K4.25X1
25	5406004B	1	WELD, IDLER ARM - RED
26	5102322	1	SPACER, .38 X .625 X 1.62, YZ
27	5025013X20	1	BOLT, 3/8-16 X 2-1/2 GD5 YZ
28	5025249	3	BOLT, M8-1.25 X 20MM GD8.8
29	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

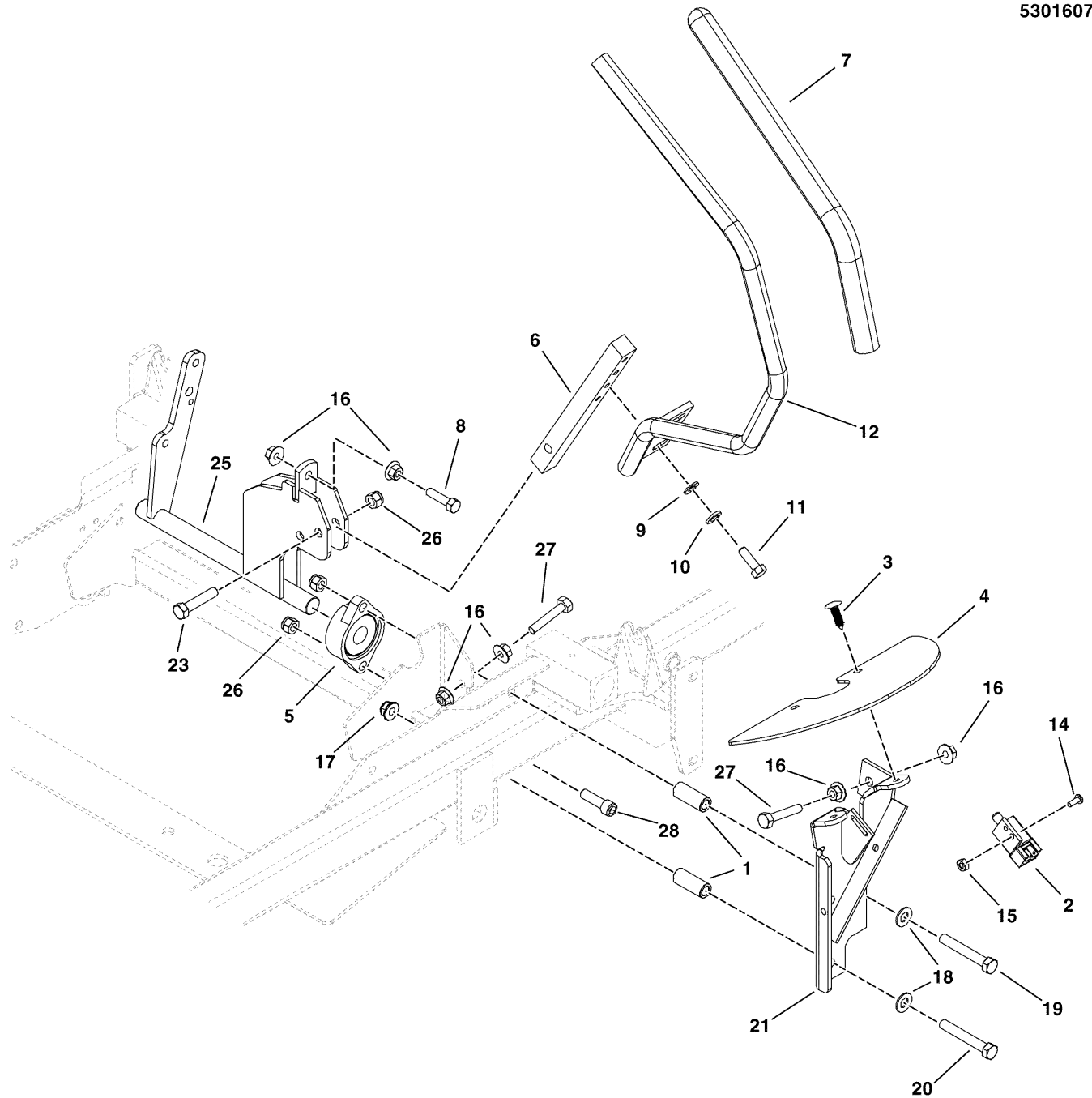
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Motion Control Group - Upper

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301607



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Motion Control Group - Upper

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5048264	6	SPACER, .39 X .63 X 1.50
2	5021451	2	SWITCH, PLUNGER, N.O.
3	5025431	4	PUSH RIVET (TREE TYPE), BLACK
4	5401248	2	GUARD, RUBBER MOTION CONTROL
5	5021499	2	BEARING, FLANGE
6	5047004	2	MOUNT, CONTROL ARM
7	5022068	2	GRIP, FOAM, 3/4 ID, 16 LONG
8	5025011X10	2	BOLT, 5/16-18 X 1-1/4 GD5 YZ
9	5025155	4	WASHER, 5/16 SAE
10	5025170	4	WASHER, 5/16 LOCK YZ
11	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ
12	5405821B	1	WELD, HANDLE, MOTION CONTROL, LH - RED
13	5405822B	1	WELD, HANDLE, MOTION CONTROL, RH - RED
14	5025179X4	4	SCREW- #10-24 X 1/2 ROUND PHILLIPS
15	5025029	4	NUT, #10-24 HEX
16	5025139	12	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
17	5025394	8	NUT, 3/8-16 HEX NYLOCK FLANGE
18	5025156	6	WASHER, 3/8 SAE
19	5025013X24	2	BOLT, 3/8-16 X 3 GD5 YZ
20	5025013X20	4	BOLT, 3/8-16 X 2-1/2 GD5 YZ
21	5405025B	1	WELD, NEUTRAL LOCK - LH - RED
22	5405026B	1	WELD, NEUTRAL LOCK - RH - RED
23	5025013X14	4	BOLT, 3/8-16 X 1-3/4 GD5
24	5404895B	1	WELD, CONTROL SHAFT, RH - RED
25	5404896B	1	WELD, CONTROL SHAFT, LH - RED
26	5025096	8	NUT, 3/8-16 HEX NYLON LOCK
27	5025055X12	4	BOLT- 5/16-18 X 1-1/2 GD5 TFL
28	5025327	2	BOLT, 3/8-16 X 1-1/4 SHCS

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

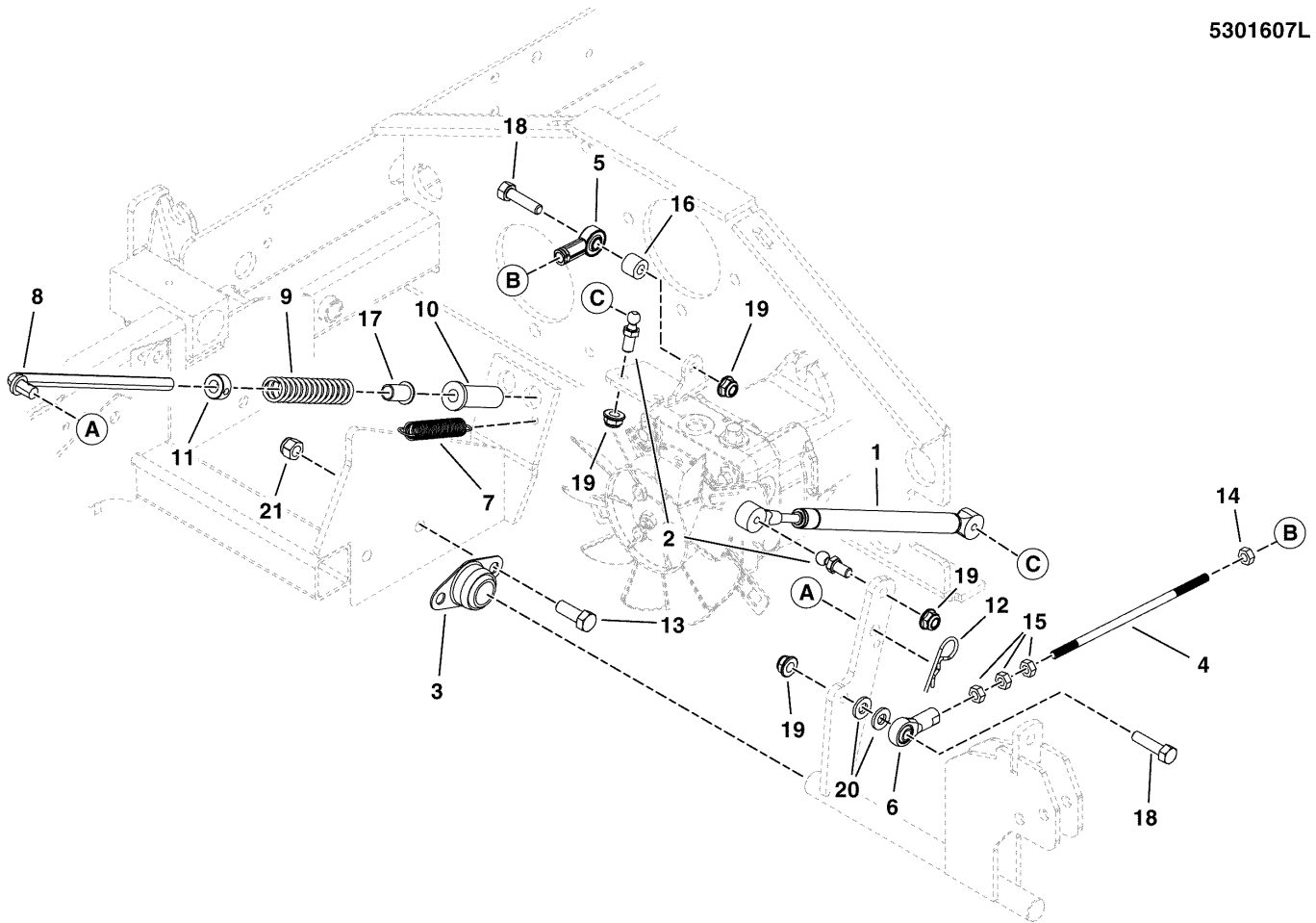
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Motion Control Group - Lower

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301607L



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Motion Control Group - Lower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5100940	2	DAMPENER, CONTROL,#(P6709/P3610)
2	5101307	4	10MM BALL STUD, 5/16-18 X 3/4 THDS
3	5021098	2	BEARING, BRONZE FLANGE, 3/4
4	5048921	2	CONTROL ROD, ADJ SPRING
5	5022628	2	BALL JOINT, 5/16-24, LH FEMALE
6	5021146	2	BALL JOINT, 5/16-24, FEMALE
7	5020639	2	SPRING, EXTENSION
8	5100947	2	ROD, NEUTRAL RETURN
9	5022645	2	SPRING, REVERSE RETURN
10	5100942	2	BUSHING, FLANGED .375 X .630 X 2.00
11	5010546	2	COLLAR, 3/8 SET
12	5025211	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ
13	5025013X8	2	BOLT, 3/8-16 X 1 GD5 YZ
14	5023212	2	NUT, 5/16-24 HEX, LH
15	5025033	6	NUT, 5/16-24 HEX
16	1710703	2	SPACER-0.328IDX0.499ODX0.625LG PM
17	5023260	2	BUSHING, NYLON
18	5025011X10	4	BOLT, 5/16-18 X 1-1/4 GD5 YZ
19	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
20	5025155	4	WASHER, 5/16 SAE
21	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

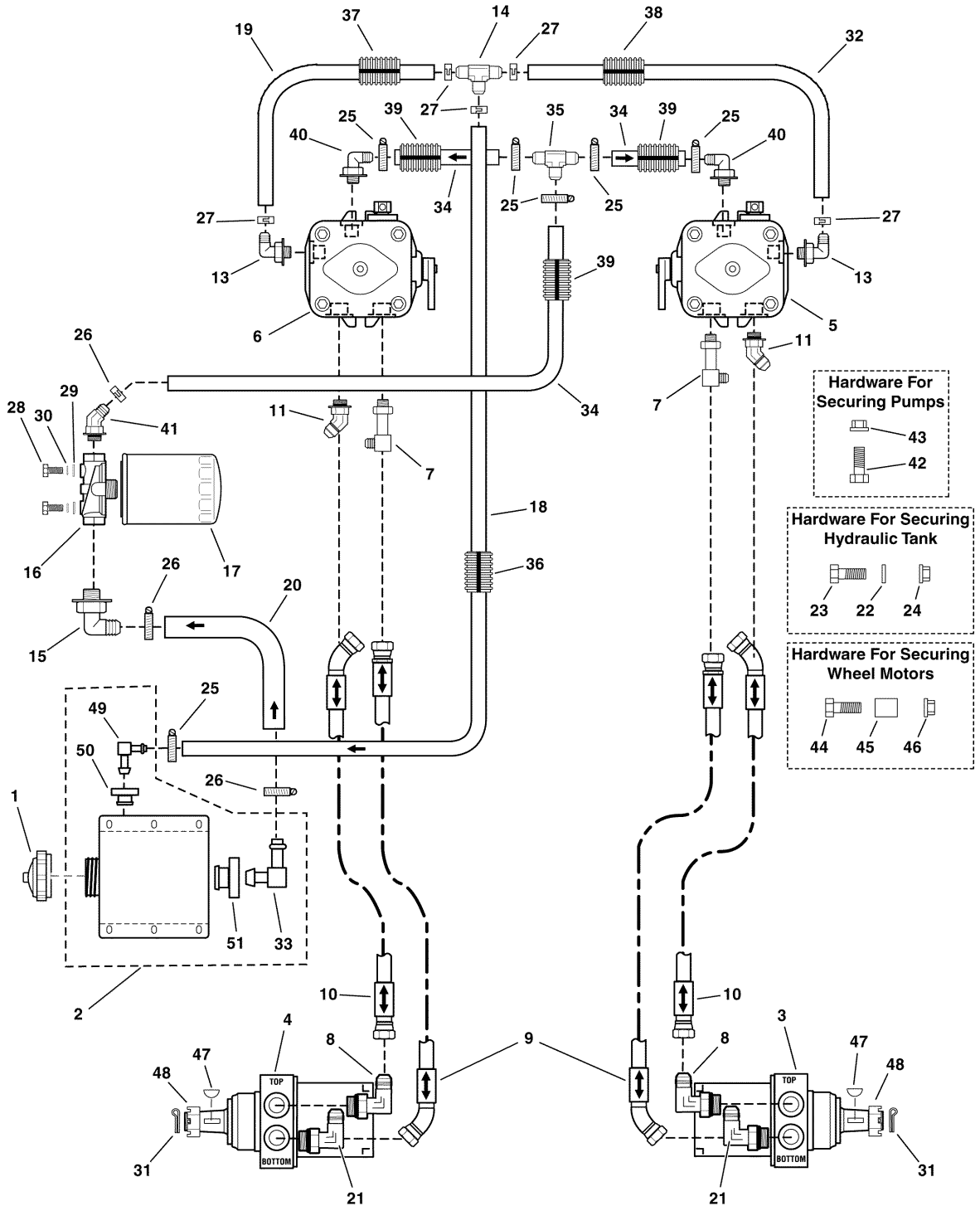
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Hydraulic Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301608



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Hydraulic Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5100017	1	CAP, HYDRAULIC, SHIELDED VENT
2	5061712	1	TANK, HYDRAULIC, ASSEMBLY
3	5022975L	1	MOTOR,WHEEL,18 CI, LH
4	5022975R	1	MOTOR,WHEEL,18 CI, RH
5	5102174	1	PUMP, HYD, 12CC - LH, PK-3HBQ-FV1F-XXXX
6	5102175	1	PUMP, HYD, 12CC - RH, PK-3KBQ-FV1F-XXXX
7	5101823	2	FITTING, #8JIC TO #8 O-RING, 90 ELBOW
8	5023276	2	FITTING, #10 ORING-#8 JIC, 90D
9	5102096	2	HOSE ASSEMBLY, (33)
10	5102110	2	HOSE ASSEMBLY, (29)
11	5022599	2	FITTING, #8 JIC - #8 O-RING, 90 DEG.
12	5100162	2	FAN SHROUD
13	5023267	2	ADAPTER, 90 DEG, 9/16-3/8 BARB
14	5022920	1	FITTING, TEE, 1/2 HOSE
15	5023346	1	ADAPTER, 90 DEG, 9/16-5/8 BARB
16	5023096	1	FILTER HEAD, HYDRAULIC
17	1719168	1	FILTER, OIL
18	5050860X22	1	HOSE, 3/8" PUSH-LOCK, 22.00"
19	5050860X10	1	HOSE, 3/8" PUSH-LOCK, 10.00"
20	5050933X20	1	HOSE, 5/8 PUSH-LOCK, 20.00
21	5022709	2	FITTING, #8 JIC - #10 O-RING, 45 DEG.
22	5025155	4	WASHER, 5/16 SAE
23	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ
24	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
25	5022922	6	CLAMP, #4 HOSE, STAINLESS
26	5021164	2	CLAMP, #10 HOSE, STAINLESS
27	5023268	10	CLAMP, HOSE
28	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
29	5025154	2	WASHER, 1/4 SAE
30	5025169	2	WASHER, 1/4 LOCK
31	5025203X16	2	PIN, COTTER, 1/8 X 2
32	5050860X26	1	HOSE, 3/8" PUSH-LOCK, 26.00"
33	5023119	1	FITTING, 90 DEG, 5/8
34	5050857X14	3	HOSE, 1/2" PUSH-ON, 14.00"
35	5101693	1	FITTING, BEADED TEE, 1/2 X 1/2 X 1/2, YZ
36	5050833X20	1	WIRE LOOM, 1/2" ID, 20" LONG
37	5050833X8	1	WIRE LOOM, 1/2" ID, 8" LONG
38	5050833X24	1	WIRE LOOM, 1/2" ID, 24" LONG
39	5050861X12	3	WIRE LOOM, 5/8" ID, 12" LONG
40	5100370	2	FITTING, 9/16 O-RING-1/2" HOSE, 90 DEG
41	5102018	1	FITTING, 45 ELBOW, 1/2" HOSE TO 9/16 O R

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

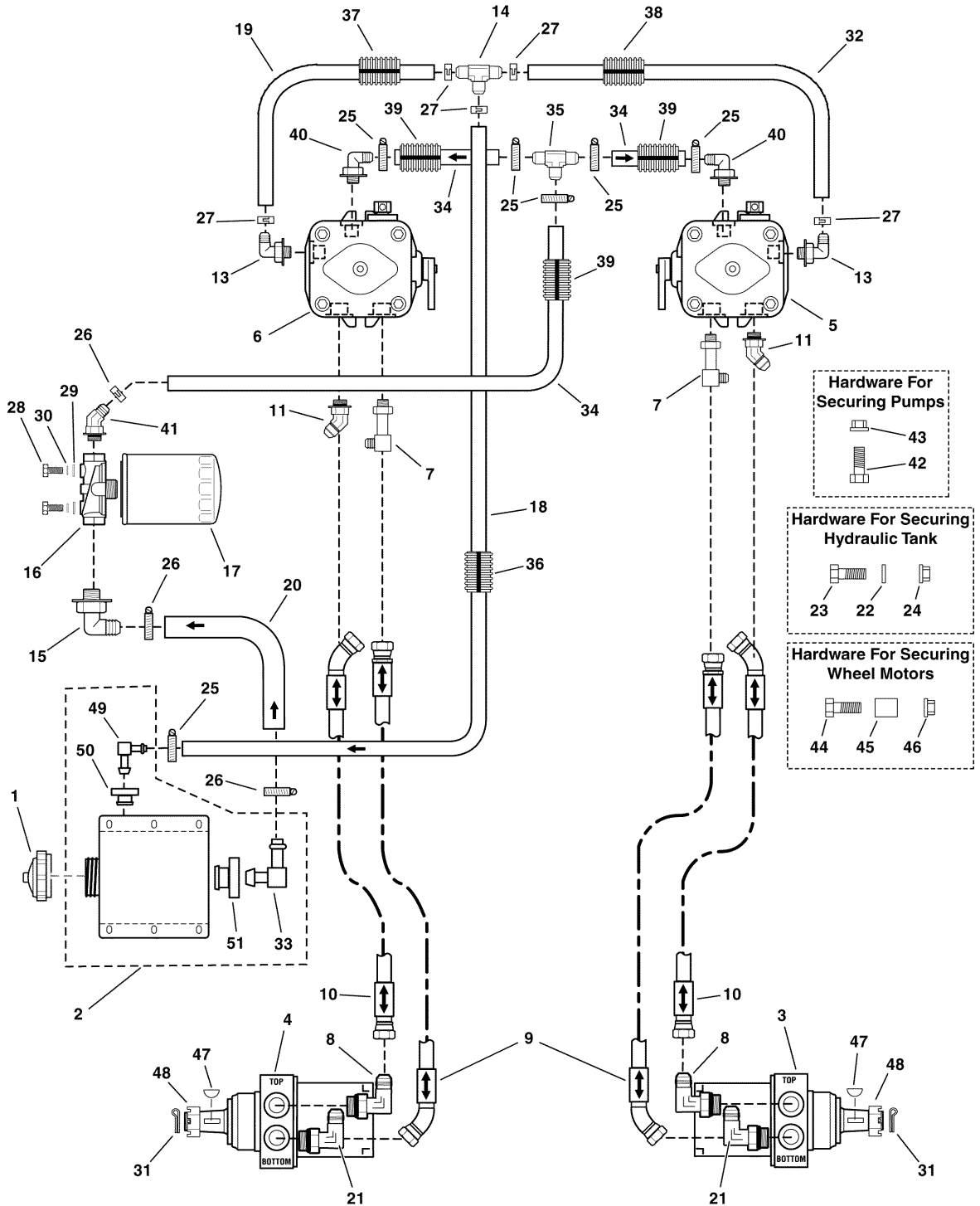
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Hydraulic Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301608



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Hydraulic Group

REF NO.	PART NO.	QTY.	DESCRIPTION
42	5025016X10	4	BOLT, 7/16-20 X 1-1/4 GD5
43	5025129	4	NUT, 7/16-14 HEX SERRATED FLANGE (SMALL)
44	5025017X28	8	BOLT, 1/2-13 X 3-1/2 GD5
45	5061670	8	SPACER, .53 X 1.00 X 1.00
46	5025396	8	NUT, 1/2-13 HEX NYLOCK FLANGE
47	5022042X2	2	KEY, WOODRUFF, #1008, 5/16 X 1
48	5022042X3	2	NUT, CASTLE 1-20
49	5023118	1	FITTING-90 DEG, 3/8
50	5600050	1	KIT, BUSHING FUEL
51	5023121	1	GROMMET

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

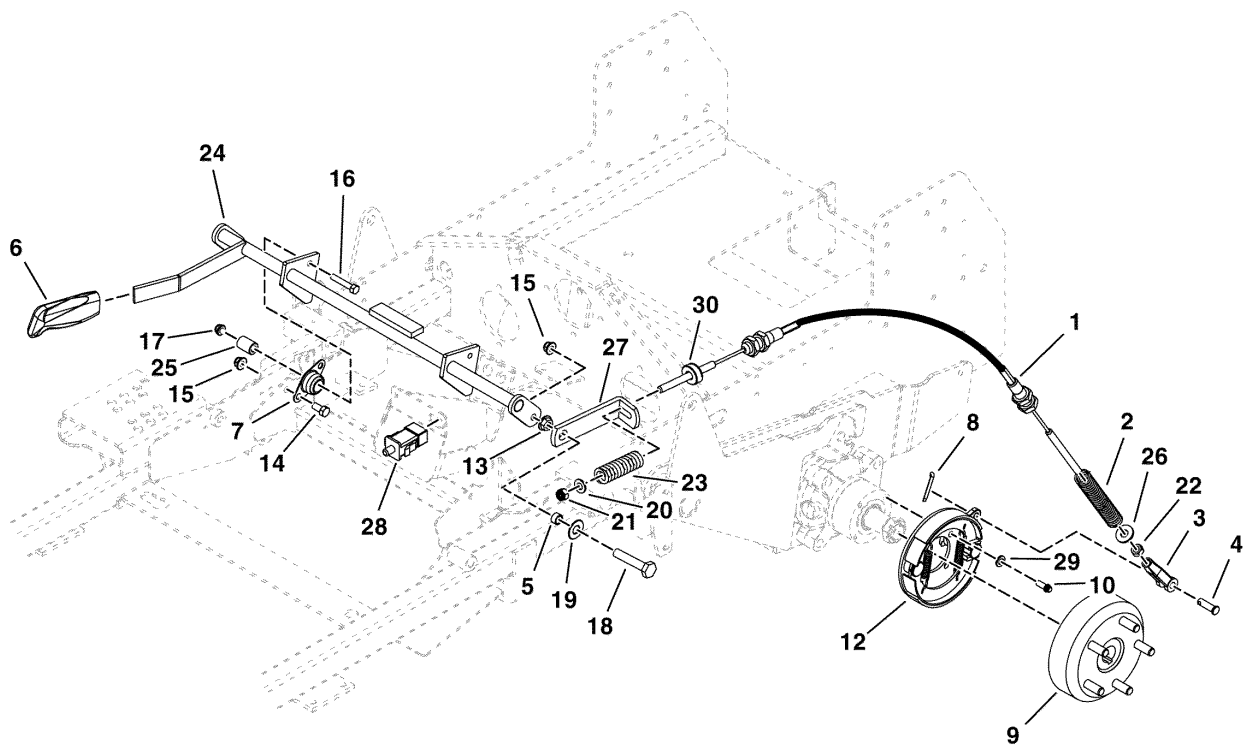
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Parking Brake Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301610



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Parking Brake Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5100087	2	CABLE, PARKING BRAKE
2	5023320	2	SPRING, COMPRESSION
3	5020979	2	CLEVIS, 5/16-24, PLASTIC
4	5025213X8	2	PIN-CLEVIS, 5/16 X 1 YZ
5	5041930	2	SPACER, .38 X .50 X .27
6	5100171	1	GRIP, BLACK FLEXIBLE
7	5021098	2	BEARING, BRONZE FLANGE, 3/4
8	5025211	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ
9	5023368	2	DRUM, 1-1/4 TAPER, 5 BOLT
10	5023490	8	BOLT-5/16-18 X 3/4 12PT FLNG-PATCH
11	5023500	1	ASSM, BRAKE, 1-1/4 HUB, LH
12	5023501	1	ASSM, BRAKE, 1-1/4 HUB, RH
13	5025084	2	NUT, 3/8-16 HEX JAM
14	5025013X6	4	BOLT, 3/8-16 X 3/4 GD5 YZ
15	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
16	5025011X14	2	BOLT, 5/16-18 X 1-3/4 GD5 YZ
17	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
18	5025013X12	2	BOLT, 3/8-16 X 1-1/2 GD5
19	5025156	4	WASHER, 3/8 SAE
20	5025155	2	WASHER, 5/16 SAE
21	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
22	5025033	2	NUT, 5/16-24 HEX
23	5021773	2	SPRING, BRAKE
24	5404815B	1	WELD, SHAFT, PARKING BRAKE - RED
25	5042134	2	SPACER, .32 X .75 X 1.06
26	5025337	2	WASHER, 5/16 USS
27	5047084B	2	LINK, BRAKE LOCK
28	5022182	2	SWITCH, PLUNGER, NO/NC SNAP-IN
29	5025170	1	WASHER, 5/16 LOCK YZ
30	5020047	1	COLLAR, 5/16 SET

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

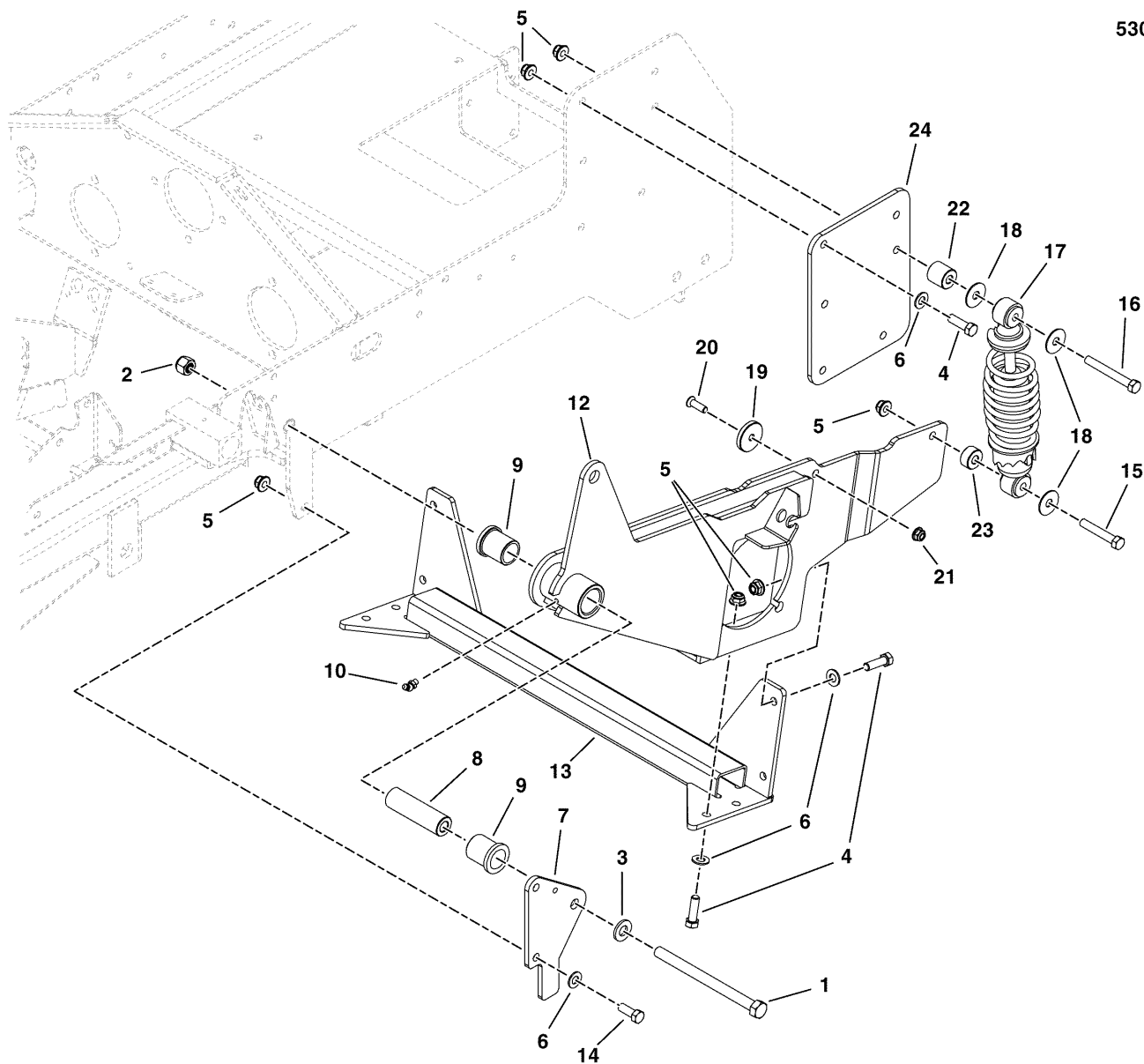
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Rear Suspension Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5300343A



The above parts group applies to the following Mfg. Nos.:

- 5900798 (IS2500ZY20D52)
- 5900781 (IS2500Y2052RDCE)
- 5900783 (IS2500Y2052SDCE)

Rear Suspension Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025017X52	2	BOLT, 1/2-13 X 6-1/2 GD8 YZ
2	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
3	5025440	2	WASHER, 1/2 GD9 YZ
4	5025013X10	18	BOLT, 3/8-16 X 1-1/4 GD5
5	5025394	26	NUT, 3/8-16 HEX NYLOCK FLANGE
6	5025293	22	WASHER, 3/8 GD.9 FLAT
7	5400648B	2	SUPPORT, SWING ARM - RED (EXPORT MODELS ONLY)
7	5406644B	1	WELD, SUPPORT, SWING ARM , LH - RED
8	5061339	2	SPACER, .52 X 1.00 X 3.42
9	5021541	4	BUSHING, FLANGE
10	5020020	2	GREASE FITTING, 45 DEGREE
11	5401745B	1	WELD, MOTOR MOUNT - RH - RED
12	5401744B	1	WELD, MOTOR MOUNT - LH - RED
13	5404056B	1	WELD, TIE BAR - 52 - RED
14	5025013X8	4	BOLT, 3/8-16 X 1 GD5 YZ
15	5025058X18	2	BOLT, 3/8-16 X 2-1/4 GD5 TFL
16	5025013X24	2	BOLT, 3/8-16 X 3 GD5 YZ
17	5022842	2	COIL-OVER SHOCK ASSEMBLY
18	5025165	6	WASHER-3/8 FENDER
19	5400065	2	SPACER, .34 X 1.54 X .25 UHMW
20	5025303	2	SCREW, 5/16-18 X 1 FLAT HD SC
21	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
22	5045943	2	SPACER, SHOULDER
23	5046860	2	SPACER, .39 X 1.00 X .50
24	5061751B	2	PLATE, FRAME SUPPORT, LH - RED
25	5406643B	1	WELD, SUPPORT, SWING ARM , RH - RED (NOT SHOWN)

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

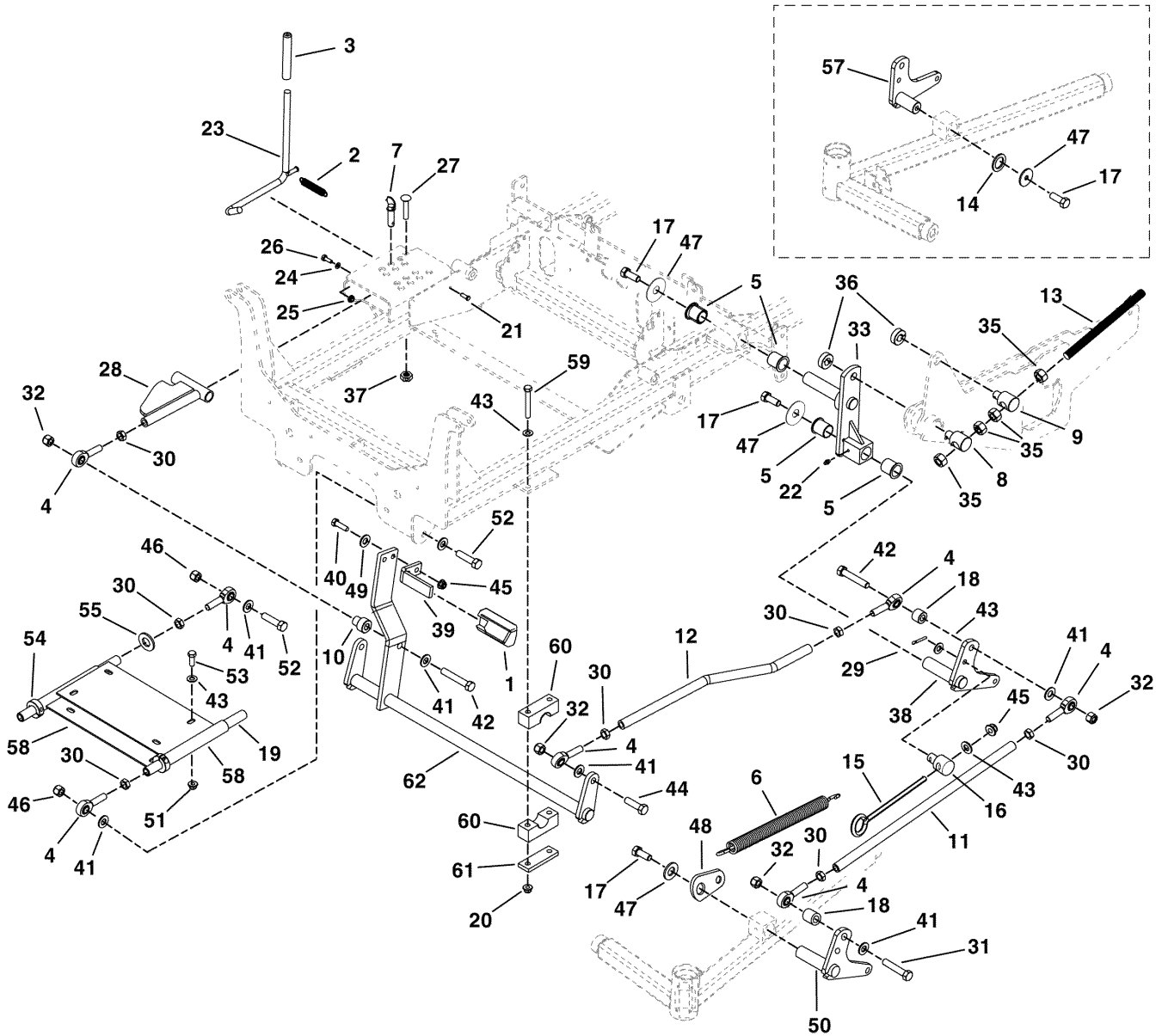
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Deck Lift Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301611



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Deck Lift Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1715834	1	RUBBER, FOOT PEDAL
2	5020639	1	SPRING, EXTENSION
3	5021880	1	GRIP, FOAM
4	5022434	13	BALL JOINT, 1/2-20, MALE
5	5023343	8	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
6	5023355	1	SPRING, DECK LIFT ASSIST
7	5023498	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
8	5045447	2	PIVOT, SPRING ROD
9	5045856	2	PIVOT, SPRING ROD
10	5047103	1	ADAPTER, CASTER AXLE
11	5100148	2	ROD, DECK LIFT OUTER, YZ
12	5100149	2	ROD, DECK LIFT BENT
13	5100247	2	ROD, 5/8-11 X 9.00
14	5020929	1	SHIM, 1.0 X 1.5 X 0.125
15	5021811	1	EYE BOLT, 3/8-16 X 8, 1 EYE
16	5100380	1	ADJUSTER, DECK HANGER
17	5025443	6	BOLT, 3/8-16 X 3/4, GD5, YZ WITH PATCH
18	5045178	4	SPACER, .52 X 1.00 X .75
19	5100155	2	SHAFT, DECK STABILIZER
19	5100889	2	SHAFT, DECK STABILIZER, YANMAR (EXPORT MODELS ONLY)
20	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
21	5025212X7	1	PIN, CLEVIS, 1/4 X 7/8
22	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
23	5400719B	1	WELD, ROD DECK LIFT - RED
24	5025154	2	WASHER, 1/4 SAE
25	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
26	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
27	5025146X16	1	BOLT, 3/8-16 X 2, CARRIAGE
28	5400769B	1	WELD, DECK ADJUST LINK - RED
29	5025203X6	2	PIN, COTTER, 1/8 X 3/4
30	5025089	13	NUT, 1/2-20 HEX JAM
31	5025017X22	2	BOLT, 1/2-13 X 2-3/4 GD5
32	5025056	7	NUT, 1/2-13 HEX NYLON LOCK
33	5401664B	1	WELD, REAR LIFT - LH - RED
34	5401665B	1	WELD, REAR LIFT - RH - RED
35	5025040	8	NUT, 5/8-11 HEX
36	5020441	4	COLLAR, 5/8 SPLIT
37	5025100	1	NUT, 3/8-16 HEX SIDE LOCK
38	5401671B	1	WELD, DECK LIFT LEVER, LH - RED
39	5406016B	1	PEDAL, FOOT - RED
40	5025013X10	2	BOLT, 3/8-16 X 1-1/4 GD5
41	5025440	11	WASHER, 1/2 GD9 YZ

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

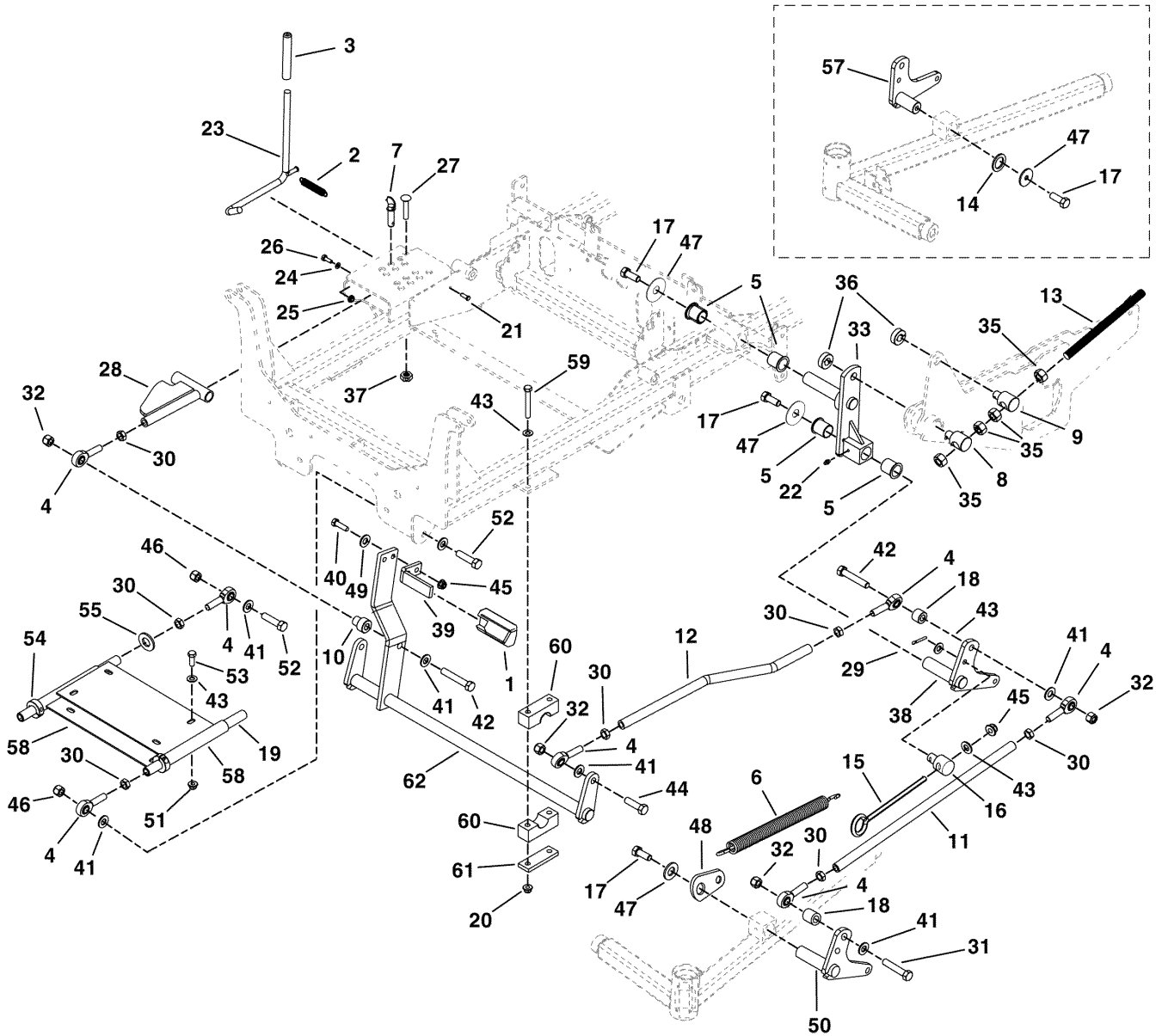
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Deck Lift Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301611



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Deck Lift Group

REF NO.	PART NO.	QTY.	DESCRIPTION
42	5025017X28	3	BOLT, 1/2-13 X 3-1/2 GD5
43	5025156	10	WASHER, 3/8 SAE
44	5100268	2	BOLT, 1/2-13 X 1-3/4, HHCS GD5
45	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
46	5025098	4	NUT, 1/2-20 HEX NYLON LOCK
47	5100548	6	WASHER, .390 X 1.50 X .109, YZ
48	5401645B	1	MOUNT, SPRING, DECK LIFT - RED
49	5025293	2	WASHER, 3/8 GD.9 FLAT
50	5401661B	1	WELD, DECK LIFT LEVER, LH - RED
51	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE
52	5025018X14	4	BOLT-1/2-20 X 1-3/4 GD5 YZ
53	5025013X8	4	BOLT, 3/8-16 X 1 GD5 YZ
54	5010114	2	COLLAR, 3/4 SPLIT
55	5025158	2	WASHER, 1/2 SAE
56	5401672B	1	WELD, DECK LIFT LEVER, RH - RED
57	5401662B	1	WELD, DECK LIFT LEVER, RH - RED
58	5404706B	2	WELD, DECK STABILIZER 2500 - RED
59	5025013X22	4	BOLT, 3/8-16 X 2-3/4 GD5 YZ
60	5100634	4	PIVOT BLOCK, PLASTIC
61	5403925B	2	PLATE, PIVOT BLOCK SUPPORT - RED
62	5404307B	1	WELD, DECK LIFT SHAFT - RED

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

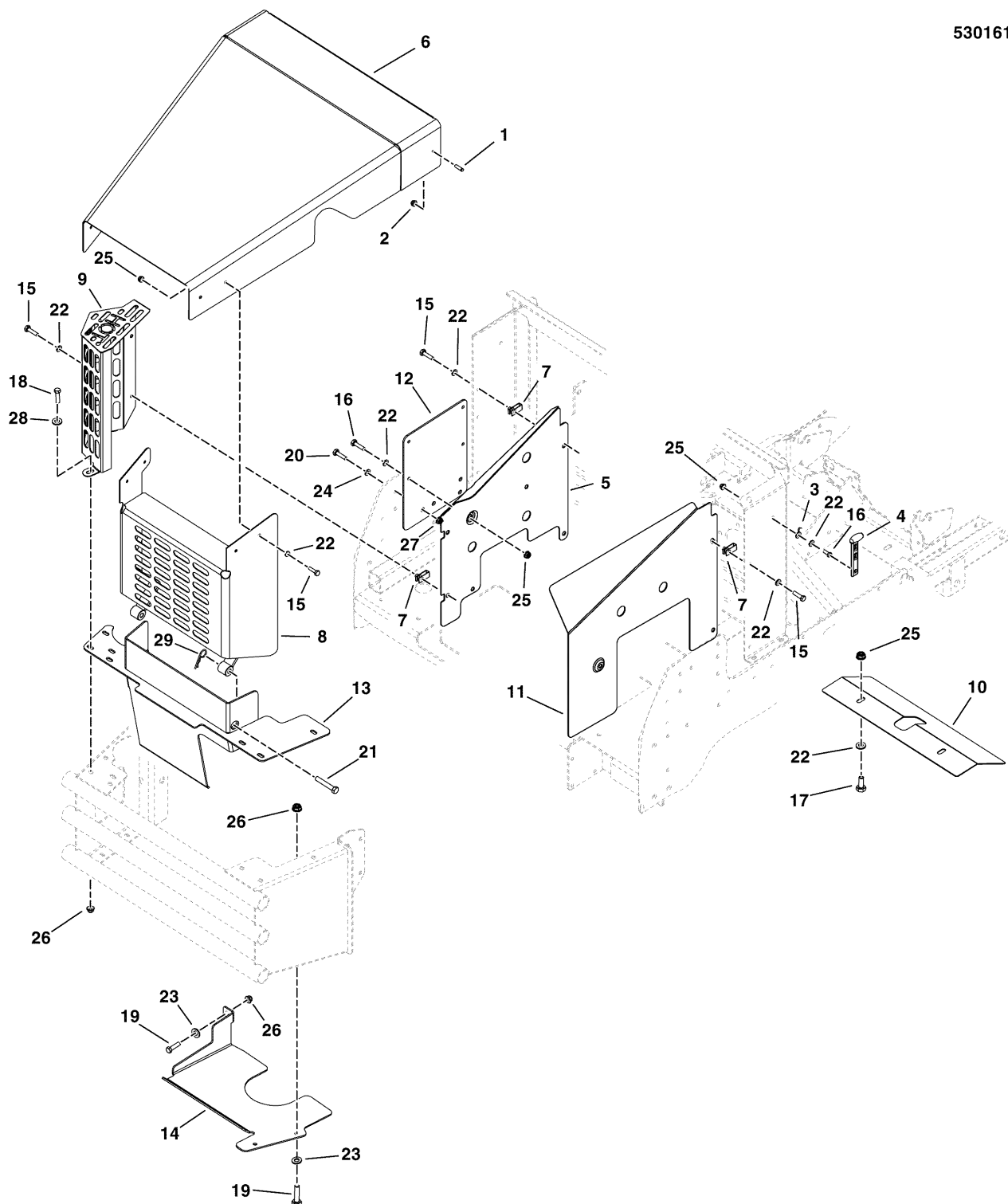
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Hood & Shield Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301613



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Hood & Shield Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1726044	2	BINDING POST #8-32X.500 INT THR BLK
2	1925003	2	SCREW-HEX WSHR HD TAPTT 1/4-20X0.500 BLK
3	1723168	2	HOOK-.125DIA WIRE GR CAT STRAP YELLOW
4	2171600	2	STRAP,HOOD,BLACK RUBBER
5	5404649B	1	SIDE PANEL, LH - RED
6	5404953B	1	WELD, HOOD, IS2500 - RED
7	5022665	4	BODY CLIP, 1/4-20 X 1/2 DEEP
8	5404961B	1	WELD, REAR COVER - RED
9	5405002B	1	WELD, MUFFLER GUARD, 2500 - RED
10	5404935B	1	PLATE, SHIELD, HYDRAULIC PUMPS - RED
11	5406143B	1	COVER, SIDE, RH - RED
12	5401954B	1	PLATE, HYDRAULIC TANK MOUNT - RED
13	5404958B	1	WELD, GUARD, PTO BELT - RED
14	5405020B	1	GUARD, DECK BELT, IS2500Z - RED
15	5025010X6	10	BOLT, 1/4-20 X 3/4 GD5 YZ
16	5025010X8	8	BOLT, 1/4-20 X 1, GD5
17	5025010X10	2	BOLT, 1/4-20 X 1-1/4, GD5
18	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
19	5025011X8	3	BOLT, 5/16-18 X 1 GD5
20	5025013X8	3	BOLT, 3/8-16 X 1 GD5 YZ
21	7013996	2	CLEVIS PIN, 3/8X2
22	5025154	14	WASHER, 1/4 SAE
23	5025155	3	WASHER, 5/16 SAE
24	5025156	3	WASHER, 3/8 SAE
25	5025391	14	NUT, 1/4-20 HEX NYLOCK FLANGE
26	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE
27	5025394	5	NUT, 3/8-16 HEX NYLOCK FLANGE
28	5025292	2	WASHER, 5/16 GD.9 FLAT
29	5025211	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

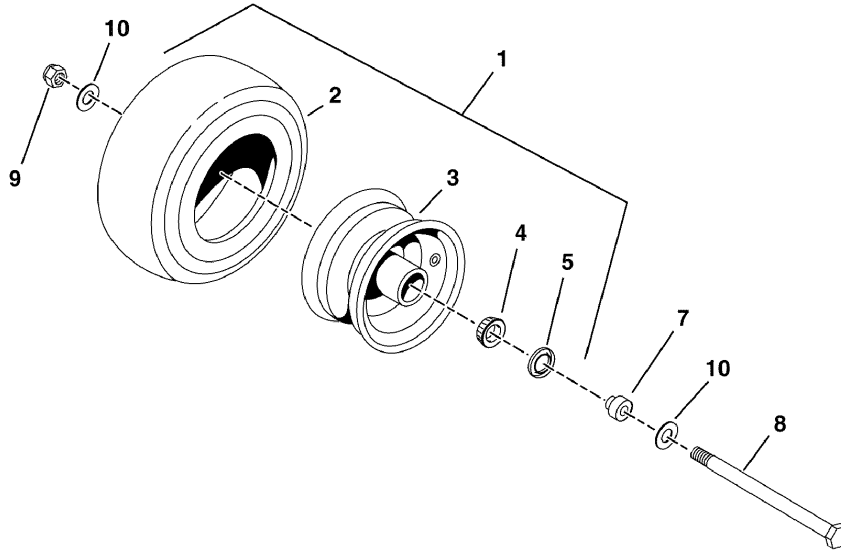
5900783 (IS2500Y2052SDCE)

Wheel & Tire Group

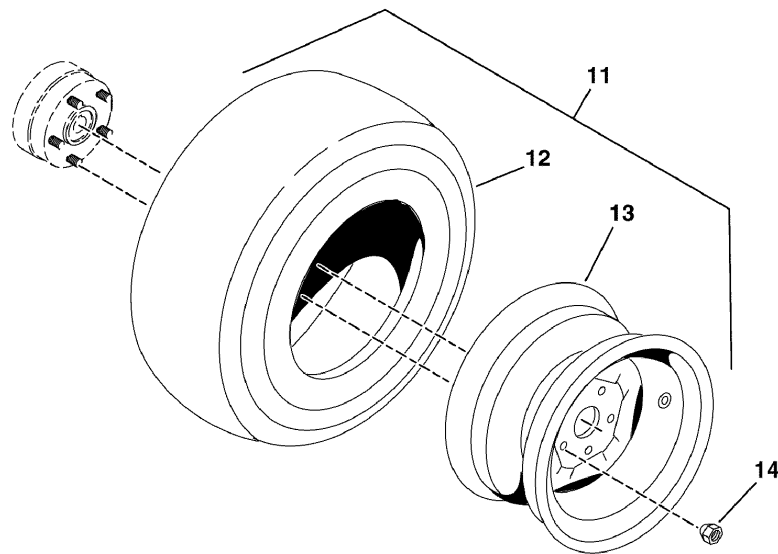
NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301612

Front Wheels & Tires



Rear Wheels & Tires



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Wheel & Tire Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022631S	2	TIRE, CASTER, 13 X 5.00-6
2	5022029X1	2	TIRE ONLY
3	5022631SX1	2	WHEEL ASSY, 13 X 5 X 6, SILVER
4	5022631SX2	4	BEARING, TAPERED CONE
5	5022631SX3	4	SEAL, GREASE
6	5022631SX4	2	RACE, BEARING
7	5047103	4	ADAPTER, CASTER AXLE
8	5025017X64	2	BOLT, 1/2-13 X 8 GD5 YZ
9	5025396	2	NUT, 1/2-13 HEX NYLOCK FLANGE
10	5025158	4	WASHER, 1/2 SAE
11	5100006	2	TIRE ASSM, 22 X 10.00-10
12	5100006X1	2	TIRE, 22 X 10 X 10
13	5023369X1	2	RIM-10X7-5-4.5 SOLID
14	5020601	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

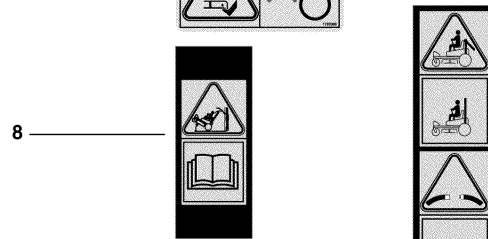
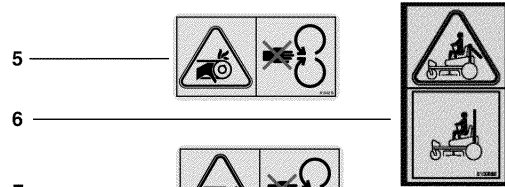
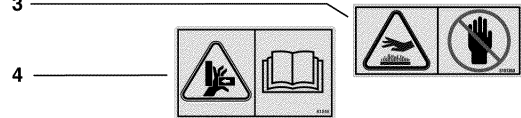
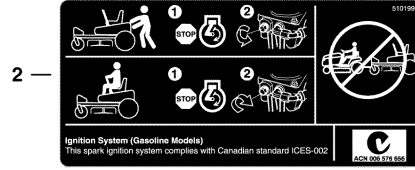
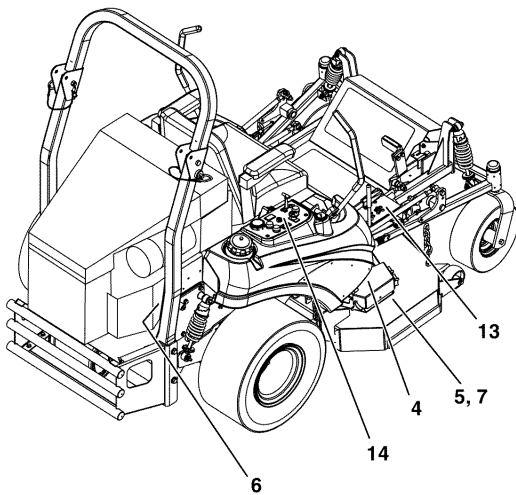
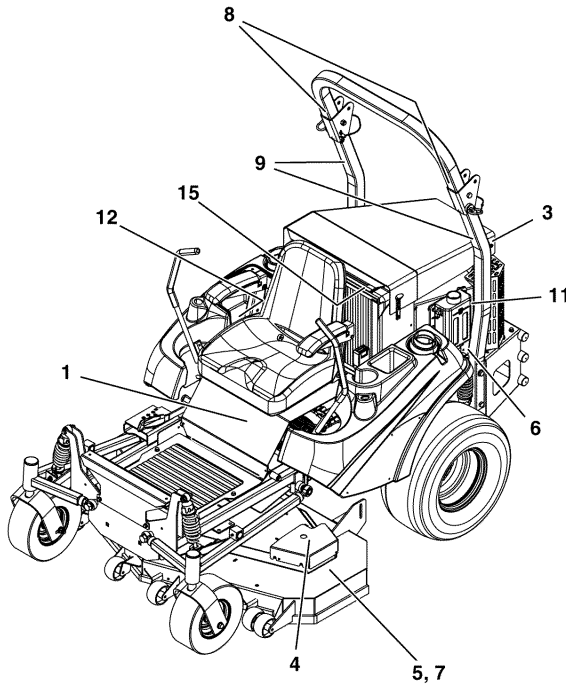
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Decal Group - (Export) - Safety & Operation

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

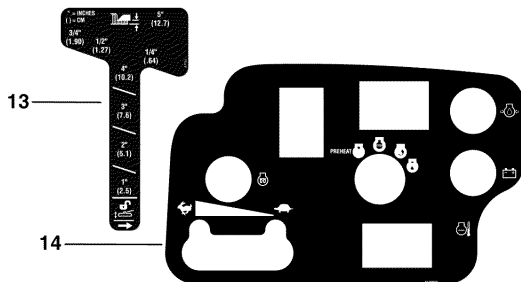
5301615



Belts & Blades			
Tractor			
Pump Drive Belt			5101887
PTO Drive Belt			5101993
52" Mower			
Deck Drive Belt			5102269
Mower Blade - Sand			5023271
Mower Blade - Lift			5021227

HYDRAULIC OIL RESERVOIR
 USE EITHER:
 MOBIL 1™
 15W-50 OIL
 - OR -
 CASTROL SYNTEC™
 5W-50 OIL
DO NOT USE CONVENTIONAL OILS!

PTO Clutch	Fuel Solenoid	Alternator	Main
20A	20A	20A	40A



The above parts group applies to the following Mfg. Nos.:

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Decal Group - (Export) - Safety & Operation

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5101233	1	DECAL, MAIN CE
2	5101990	1	DECAL, CZT HYRDO RELEASE
3	5101353	1	DECAL, HAND IN FLAME
4	5061246	1	DECAL, PINCH POINT, CE
5	5061042	2	DECAL, CE DANGER
6	5100537	2	DECAL, SAFTY, CE ROPS, OBS
7	1720389	2	DECAL-DANGER ROTATING BLADE SYMBOLS
8	5100685	2	DECAL, WARNING, ROLL BAR, CE
9	5100536	2	DECAL, SAFETY, CE ROPS
10	5101997	1	DECAL, BELT & BLADE, IS2500
11	5048454	1	DECAL, OIL RESEVOIR
12	5100983	1	DECAL, FUSE LOCATION
13	5061724	1	DECAL-HEIGHT CITATION
14	5101285	1	DECAL, CONTROL PANEL, YANMAR
15	5102000	1	DECAL, WARNING, HOT
16	1739264	1	CE BATTERY DECAL, LARGE (Located on the battery.)(Not illustrated.)

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

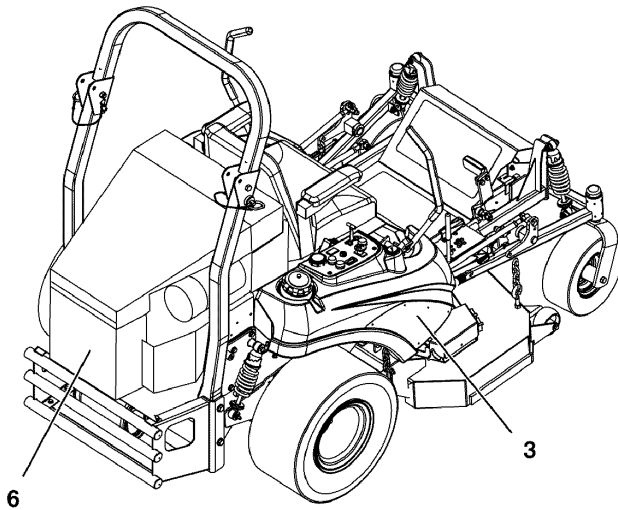
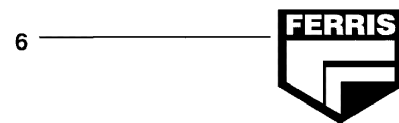
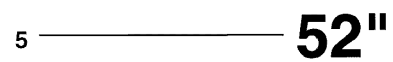
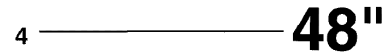
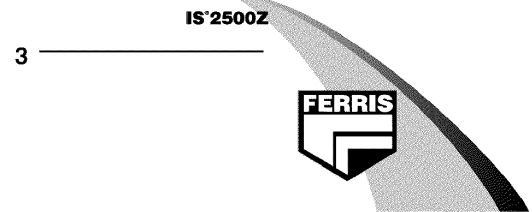
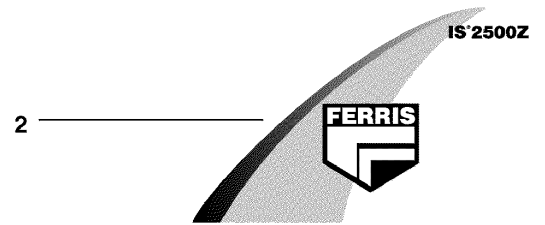
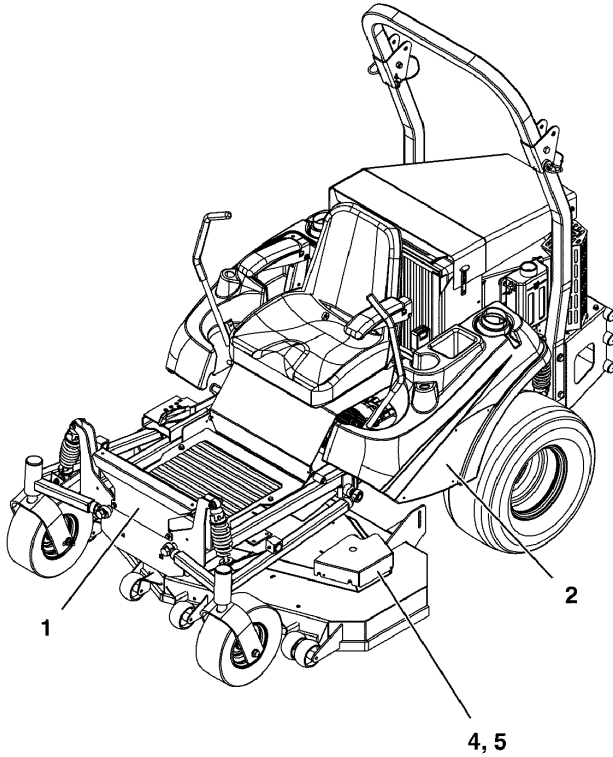
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

Decal Group - Brand & Model

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301618



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)
 5900781 (IS2500Y2052RDCE)
 5900783 (IS2500Y2052SDCE)

Decal Group - Brand & Model

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5100340	1	DECAL, FERRIS, FRONT, 6.75 X 4.25
2	5101852	1	DECAL, BADGE, IS2500Z, LH
3	5101853	1	DECAL, BADGE, IS2500Z, RH
4	5022811	1	DECAL, 48
5	5022812	1	DECAL, 52
6	5100369	1	DECAL, FERRIS LOGO, 5-3/8

Not for
Reproduction

Footnotes

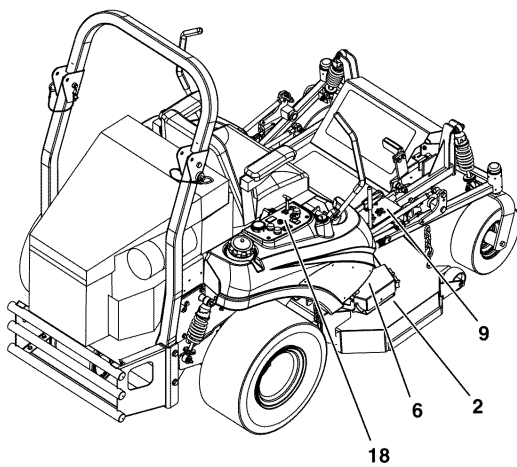
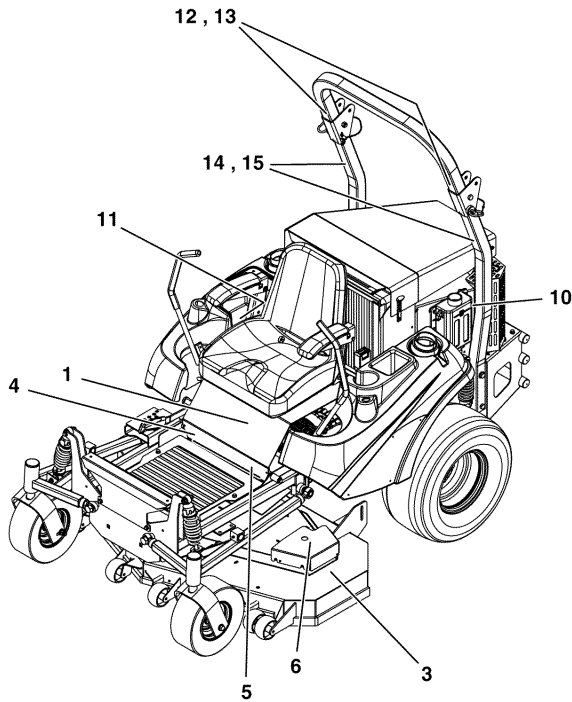
The above parts group applies to the following Mfg. Nos.:


- 5900798 (IS2500ZY20D52)
- 5900781 (IS2500Y2052RDCE)
- 5900783 (IS2500Y2052SDCE)


Decal Group - Safety & Operation


NOTE: Unless noted otherwise, use the standard hardware torque specification chart.


5302080





1 — 


2 — 

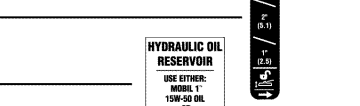
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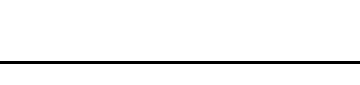
10 — 


11 — 


12 — 


13 — 

14 — 

15 — 

16 — 

17 — 

18 — 

The above parts group applies to the following Mfg. Nos.:
5900798 (IS2500ZY20D52)

Decal Group - Safety & Operation

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5100097	1	DECAL, MAIN SAFETY
2	5101292	1	DECAL, DANGER, MOWER DISCHARGE,8.75X2.13
3	5100088	1	DECAL, DANGER, MOWER
4	5100708	1	DECAL, DANGER, FIRE
5	5100709	1	DECAL, DANGER, FIRE (SP)
6	5100134	2	DECAL, WARNING, PINCH POINT
7	5101990	1	DECAL, CZT HYRDO RELEASE (Located under seat)
8	5102501	1	DECAL, BELT & BLADE, IS2500Z DOM (Located under seat)
9	5061724	1	DECAL-HEIGHT CITATION
10	5048454	1	DECAL, OIL RESEVOIR
11	5100983	1	DECAL, FUSE LOCATION
12	5104005	1	DECAL, WARNING
13	5100406	1	DECAL, WARNING (SP)
14	5100403	1	DECAL, WARNING
15	5100404	1	DECAL, WARNING (SP)
16	5100683	1	DECAL, WARNING, ROLL BAR (Located behind LH Roll bar post)
17	5100684	1	DECAL, WARNING, ROLL BAR, SP (Located behind LH Roll bar post)
18	5101285	1	DECAL, CONTROL PANEL, YANMAR

Not for
Reproduction

Footnotes

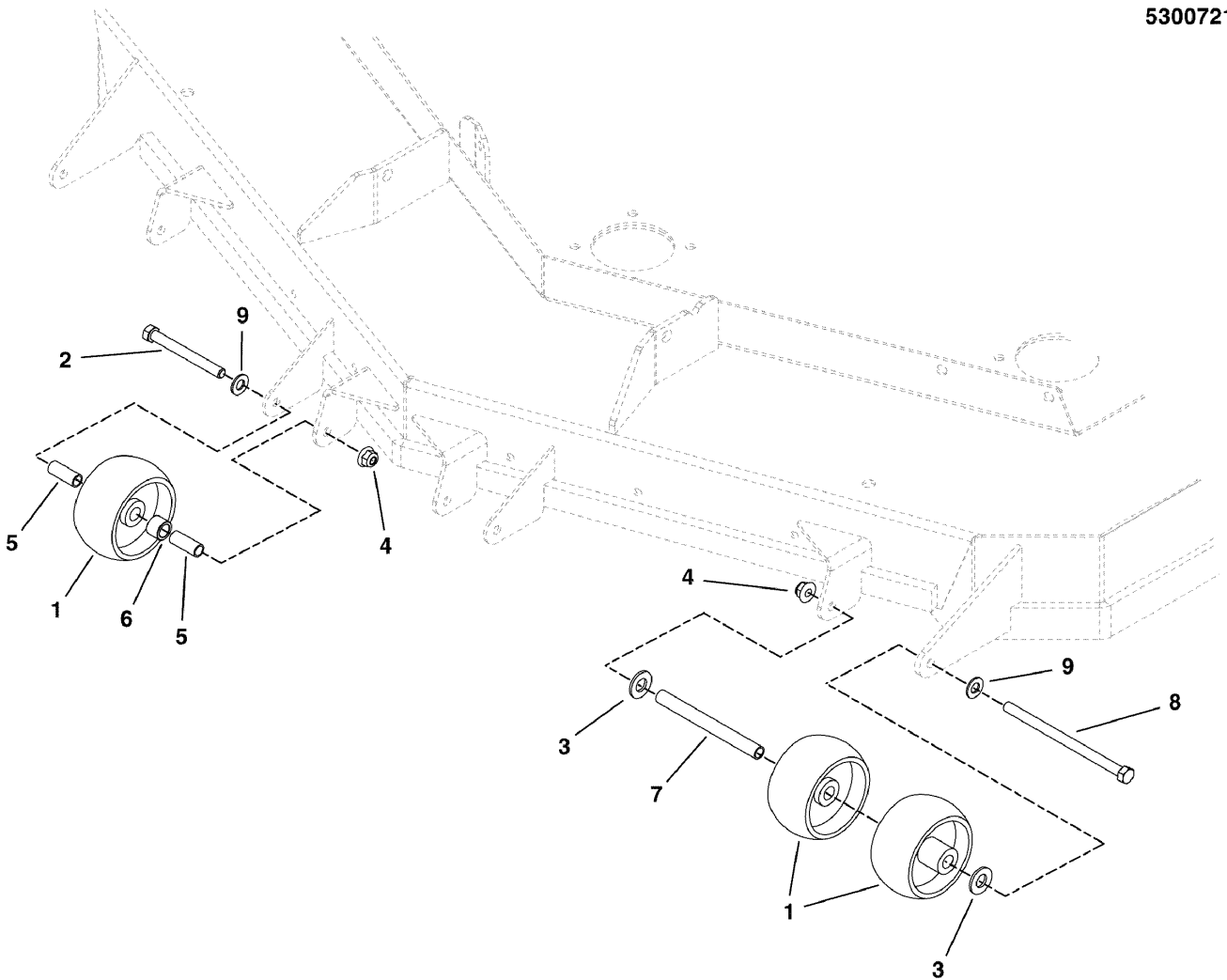
The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

52" Mower Deck Group - Rollers

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5300721



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - Rollers

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1714760	6	WHEEL- 2.00 WIDE 3.88 DIA 0.531ID POLY
2	5025013X14	2	BOLT, 3/8-16 X 1-3/4 GD5
3	5025158	4	WASHER, 1/2 SAE
4	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
5	5041931	4	SPACER, .38 X .50 X 1.25
6	5047027	2	SPACER, .51 X .75 X .56
7	5046586	2	SPACER, .38 X .50 X 5.06
8	5025013X48	2	BOLT, 3/8-16 X 6 GD5 YZ
9	5025156	4	WASHER, 3/8 SAE

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

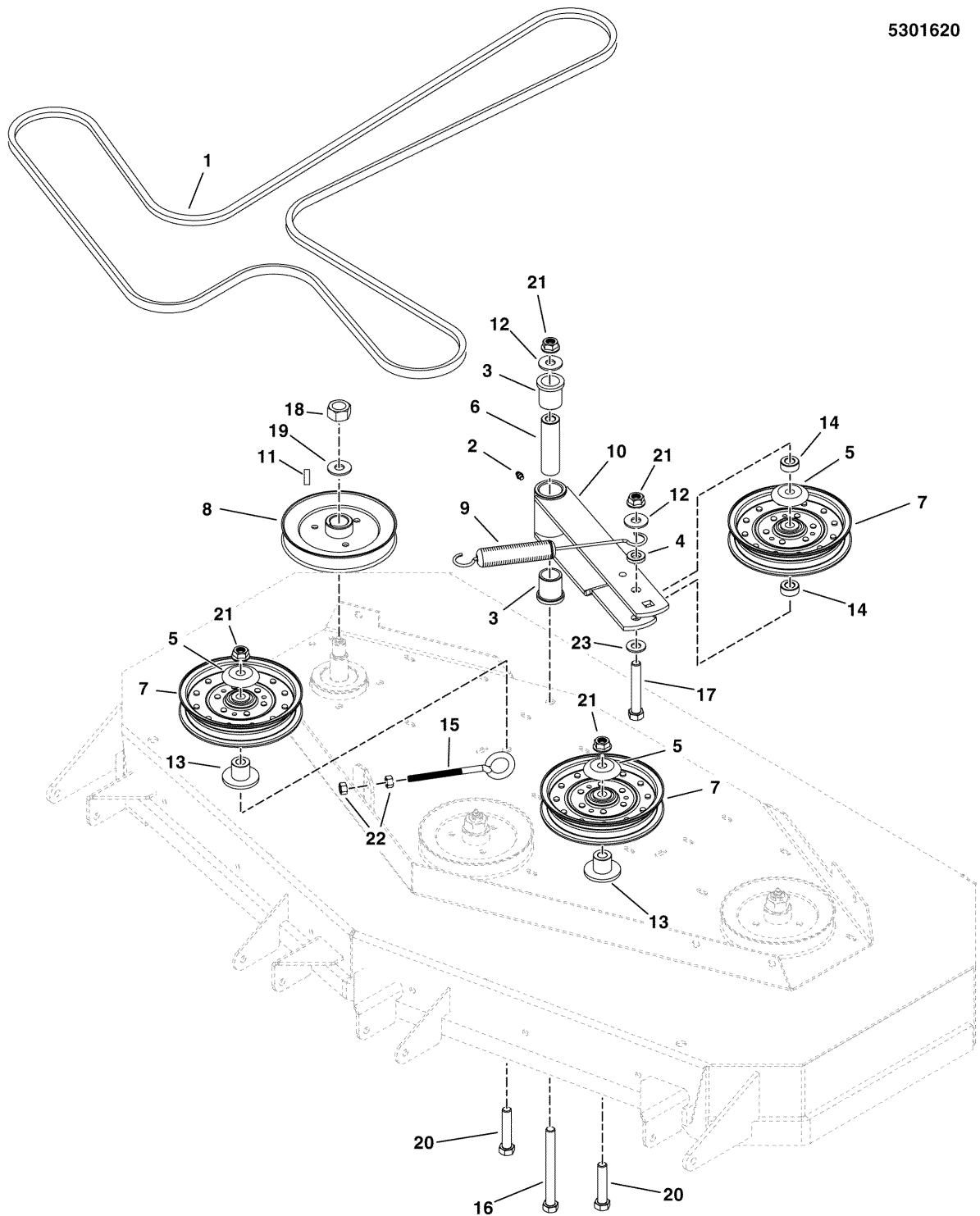
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - Pulleys, Belts & Idler Arm

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301620



The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - Pulleys, Belts & Idler Arm

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5101825	1	BELT, BP-SEC, 182EL, ARAMID, WRPD
1	5102269	1	BELT, B-SEC, 184.9 EL, ARMID, WRAPPED (EXPORT MODELS ONLY)
2	5020020	2	GREASE FITTING, 45 DEGREE
3	5021541	4	BUSHING, FLANGE
4	5100520	1	SPACER, .515 X 1.00 X .218
5	5101103	3	SHIELD, PULLEY BEARING
6	5045022	1	SPACER, .52 X 1.00 X 3.50
7	5021976	3	PULLEY, IDLER 6-3/4
8	5100444	3	PULLEY, SPIN, 6.5 OD X 25MM,
9	5023340	1	SPRING-EXTENSION, SWIVEL END
10	5403134B	1	WELD, IDLER ARM - RED
11	5050407X10	3	KEY, 1/4 SQ X 1-1/4
12	5025150	2	WASHER, 1/2 USS
13	5046434B	2	WELD, MOUNT, IDLER
14	5045023	2	SPACER, .52 X 1.00 X .44
15	5021812	1	EYE BOLT, 3/8-16 X 6, 3.0 THREAD
16	5025017X40	1	BOLT-1/2-13 X 5 GD5 YZ
17	5025017X26	1	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, YZ
18	5025405	3	NUT, 3/4-16 HEX
19	5025406	3	WASHER, 3/4 BELLEVILLE
20	5025017X20	2	BOLT, 1/2-13 X 2-1/2 GD5
21	5025396	4	NUT, 1/2-13 HEX NYLOCK FLANGE
22	5025034	1	NUT, 3/8-16 HEX, YZ
23	5025158	1	WASHER, 1/2 SAE

Not for
Reproduction

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

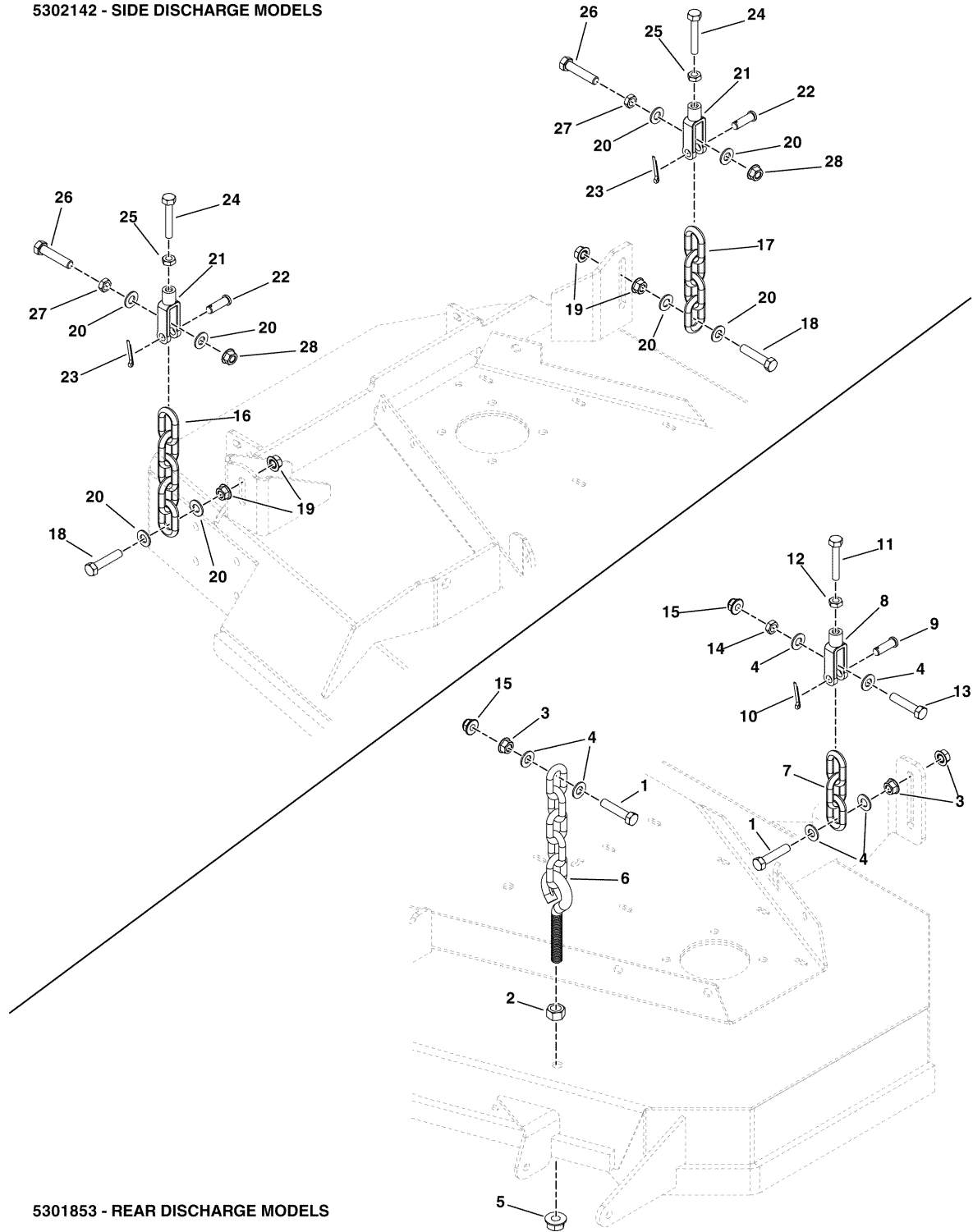
5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - Hanger Chains

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5302142 - SIDE DISCHARGE MODELS



5301853 - REAR DISCHARGE MODELS

The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - Hanger Chains

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025013X14	4	BOLT, 3/8-16 X 1-3/4 GD5
2	5025038	2	NUT, 1/2-13 HEX, YZ
3	5025128	6	NUT, 3/8-16 HEX SERRATED FLANGE
4	5025156	12	WASHER, 3/8 SAE
5	5025396	2	NUT, 1/2-13 HEX NYLOCK FLANGE
6	5100304	2	HANGER, FRONT DECK - 5 LINK
7	5050878X3	2	CHAIN, 5/16 GD30, 3 LINKS
8	5100375	2	CLEVIS, 5/16-18, 3/8 PIN HOLE
9	5025214X9	2	PIN, CLEVIS, 3/8 X 1-1/8, YZ
10	5025203X10	2	PIN, COTTER, 1/8 X 1-1/4
11	5025055X16	2	BOLT, 5/16-18 X 2 GD5 TFL
12	5025388	2	NUT, 5/16-18 HEX JAM
13	5025013X16	2	BOLT, 3/8-16 X 2 GD5 YZ
14	5025084	2	NUT, 3/8-16 HEX JAM
15	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
16	5050878X5	2	CHAIN, 5/16" GD30, 5 LINKS
17	5050878X4	2	CHAIN, 5/16" GD30, 4 LINKS
18	5025013X14	4	BOLT, 3/8-16 X 1-3/4 GD5
19	5025128	8	NUT, 3/8-16 HEX SERRATED FLANGE
20	5025156	16	WASHER, 3/8 SAE
21	5100375	4	CLEVIS, 5/16-18, 3/8 PIN HOLE
22	5025214X9	4	PIN, CLEVIS, 3/8 X 1-1/8, YZ
23	5025203X10	4	PIN, COTTER, 1/8 X 1-1/4
24	5025055X16	4	BOLT, 5/16-18 X 2 GD5 TFL
25	5025388	4	NUT, 5/16-18 HEX JAM
26	5025013X16	4	BOLT, 3/8-16 X 2 GD5 YZ
27	5025084	4	NUT, 3/8-16 HEX JAM
28	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE

Footnotes

The above parts group applies to the following Mfg. Nos.:

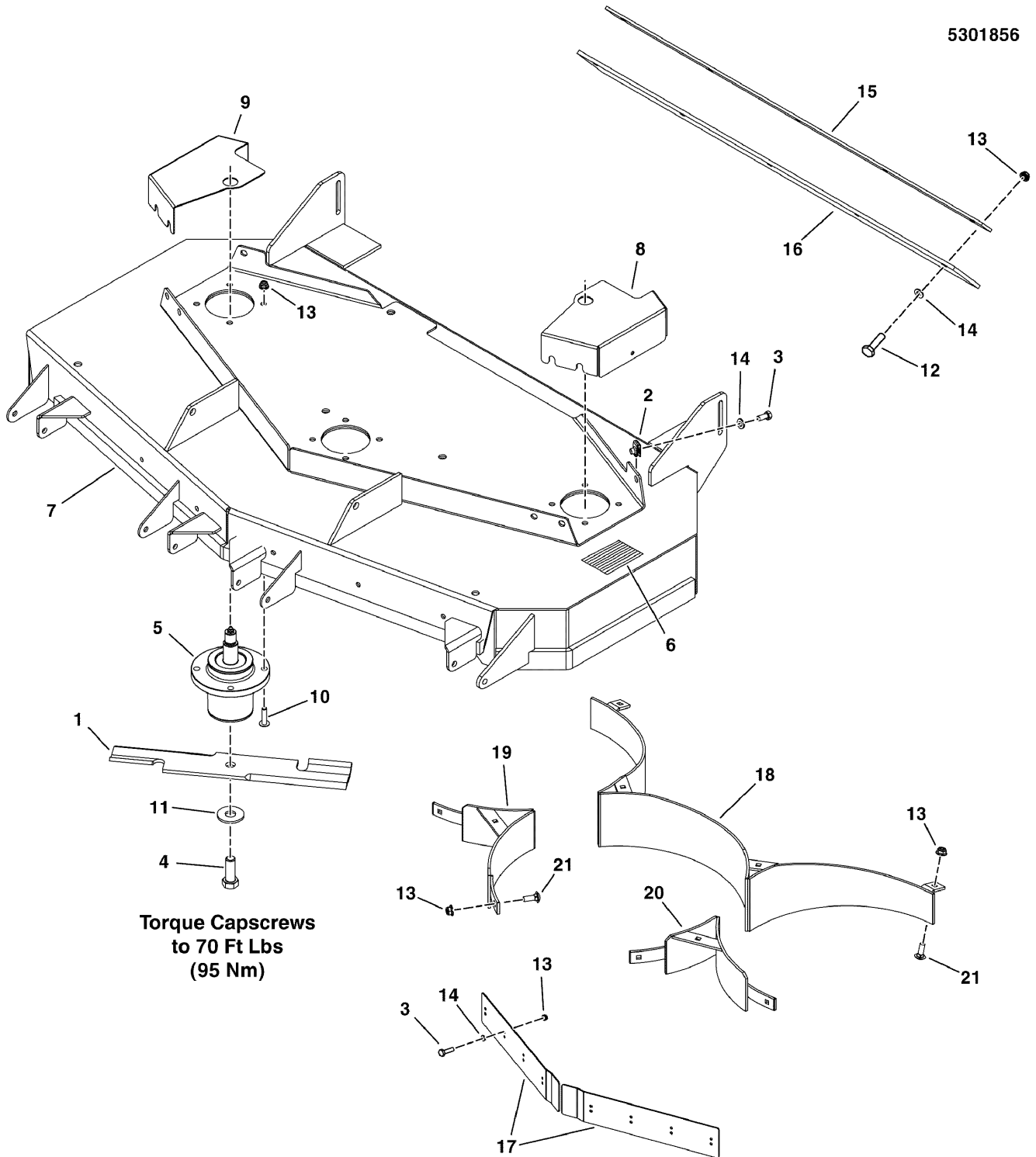
5900798 (IS2500ZY20D52)

5900781 (IS2500Y2052RDCE)

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - (Rear Discharge Export) - Housing, Covers, Spindles & Blades

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:
5900781 (IS2500Y2052RDCE)

52" Mower Deck Group - (Rear Discharge Export) - Housing, Covers, Spindles & Blades

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5021227	3	BLADE, 18
2	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
3	5025011X6	14	BOLT, 5/16-18 X 3/4 GD5
4	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
5	5061095	3	ASSM, SPINDLE, LOW PROFILE
6	5101004	1	SAFETY WALK, 4.00 X 7.50
7	5600392	1	DECK SHELL W/ DECALS
8	5401605B	1	GUARD, 52" DECK, IS2000 - LH - RED
9	5401606B	1	GUARD, 52" DECK, IS2000 - RH - RED
10	5023156	12	BOLT, 5/16-18 X 1 1/4 FLANGE
11	5025477	3	WASHER, 5/8 GRADE 8, YZ
12	5025011X10	6	BOLT, 5/16-18 X 1-1/4 GD5 YZ
13	5025392	35	NUT, 5/16-18 HEX NYLOCK FLANGE
14	5025155	11	WASHER, 5/16 SAE
15	5402475B	1	PLATE, FLAP RETIANER, 2000 RD - RED
16	5402474	1	FLAP, 2000 REAR DISCHARGE
17	5402476B	2	BAFFLES. FRONT DISCHARGE, 52 YAN - RED
18	5404729B	1	WELD, REAR BAFFLE, 52 RD - RED
19	5404731B	1	WELD, FRT-RGHT BAFFLE, 52 RD - RED
20	5404730B	1	WELD, FRT-LFT BAFFLE, 52 RD - RED
21	5025145X8	10	BOLT, 5/16-18 X 1, CARRIAGE

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Footnotes

The above parts group applies to the following Mfg. Nos.:

5900781 (IS2500Y2052RDCE)

52" Mower Deck Group - (Side Discharge Export) - Housing, Covers, Spindles & Blades

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5021227S	1	BLADE, 18, SET OF 3
2	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
3	5025011X6	14	BOLT, 5/16-18 X 3/4 GD5
4	5025145X6	3	BOLT, 5/16-18 X 3/4, CARRIAGE
5	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
6	5061095	3	ASSM, SPINDLE, LOW PROFILE
7	5101004	1	SAFETY WALK, 4.00 X 7.50
8	5600391	1	DECK SHELL W/ DECALS
9	5401605B	1	GUARD, 52" DECK, IS2000 - LH - RED
10	5401606B	1	GUARD, 52" DECK, IS2000 - RH - RED
11	5023156	12	BOLT, 5/16-18 X 1 1/4 FLANGE
12	5025477	3	WASHER, 5/8 GRADE 8, YZ
13	5025057	2	NUT, 5/16-18 HEX NYLON LOCK
14	5025011X10	1	BOLT, 5/16-18 X 1-1/4 GD5 YZ
15	5025392	24	NUT, 5/16-18 HEX NYLOCK FLANGE
16	5025155	16	WASHER, 5/16 SAE
17	5402476B	2	BAFFLES. FRONT DISCHARGE, 52 YAN - RED
18	5050086X8	1	TUBE, 1/2 X 3/8 BLACK POLY, 8.00 LG
19	5023385	1	SPRING, TORSION
20	5025164	1	WASHER, 5/16 FENDER
21	5023489	1	CAP, PROTECTOR, .120 ID
22	5042555	1	ROD, 5/16 X 13.75, TBE
23	5025013X12	3	BOLT, 3/8-16 X 1-1/2 GD5 YZ
24	5025394	3	NUT, 3/8-16 HEX NYLOCK FLANGE
25	5402362B	1	SUPPORT, DISCHARGE CHUTE, 44/48/52 - RED
26	5100842	1	CHUTE, DISCHARGE, RUBBER, 44/48/52
27	5402361B	1	WELD, FRAME CHUTE, 44/48/52 - RED
28	5403548B	1	PLATE, DEFLECTOR, 52"-RED
29	5600088	1	KIT, DISCHARGE CHUTE, 44/48/, FERRIS RED

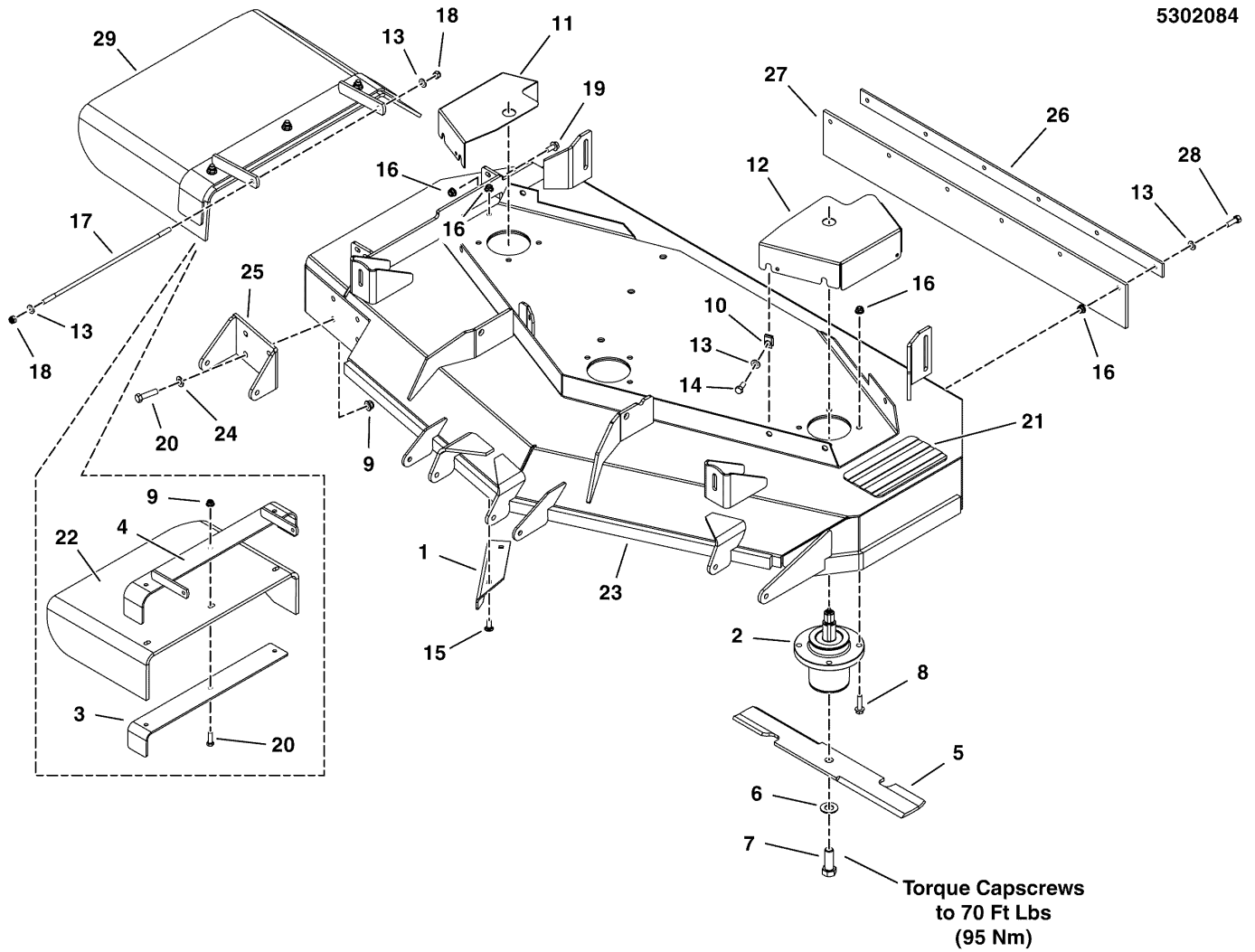
Footnotes

The above parts group applies to the following Mfg. Nos.:

5900783 (IS2500Y2052SDCE)

52" Mower Deck Group - (Side Discharge) - Housing, Covers, Spindels & Blades

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:
5900798 (IS2500ZY20D52)

52" Mower Deck Group - (Side Discharge) - Housing, Covers, Spindels & Blades

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5405557B	1	PLATE, DEFLECTOR, 52 DECK - RED
2	5061095	3	ASSM, SPINDLE, LOW PROFILE
3	5402360B	1	SUPPORT, DISCHARGE CHUTE, 61/72 - RED
4	5061293B	1	WELD, FRAME, CHUTE, 61 - RED
5	5101756S	3	BLADE, 18 X .25 X 2.5, 1 X 3.5
6	5025477	3	WASHER, 5/8 GRADE 8, YZ
7	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
8	5023156	12	BOLT, 5/16-18 X 1 1/4 FLANGE
9	5025394	7	NUT, 3/8-16 HEX NYLOCK FLANGE
10	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
11	5405604B	1	GUARD, 52 DECK, IS2000, RH - RED
12	5401605B	1	GUARD, 52" DECK, IS2000 - LH - RED
13	5025155	14	WASHER, 5/16 SAE
14	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
15	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
16	5025392	21	NUT, 5/16-18 HEX NYLOCK FLANGE
17	5061300	1	ROD MOUNT, CHUTE 61"
18	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
19	5025411	1	BOLT, 5/16-18 X 3/4 FLANGE
20	5025013X12	7	BOLT, 3/8-16 X 1-1/2 GD5 YZ
21	5101004	1	SAFETY WALK, 4.00 X 7.50
22	5100843	1	CHUTE, DISCHARGE, RUBBER, 61/72
23	5600335	1	DECK SHELL W/DECALS, 52-SD - RED
24	5025156	4	WASHER, 3/8 SAE
25	5404699B	1	WELD, BRACKET, ANTI SCALP - RED
26	5405238B	1	PLATE, SUPPORT - RED
27	5102015	1	FLAP, STRIPER, 52 DECK
28	5025011X8	6	BOLT, 5/16-18 X 1 GD5 YZ
29	5600088	1	KIT, DISCHARGE CHUTE, 44/48/, FERRIS RED

Footnotes

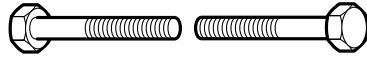
The above parts group applies to the following Mfg. Nos.:

5900798 (IS2500ZY20D52)

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Lockwasher



Carriage Bolt



Hex Nut

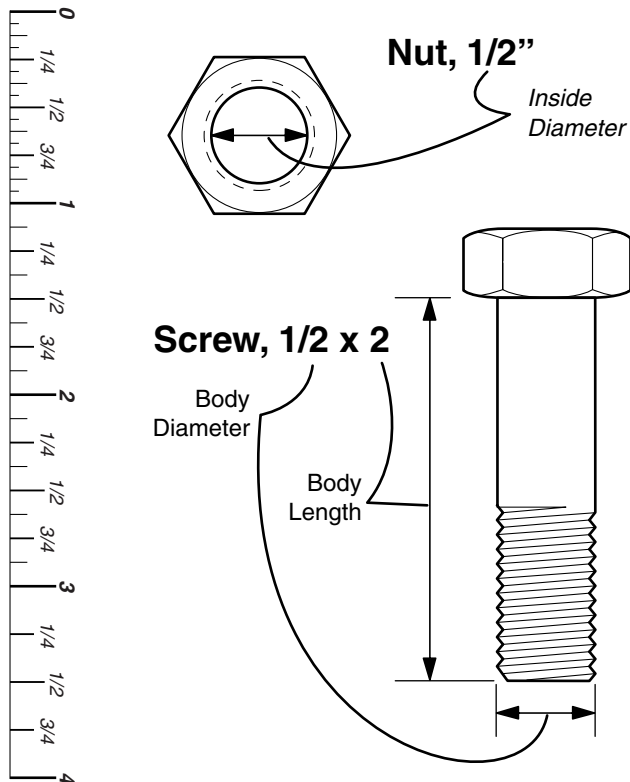


Standard Hardware Sizing

When a washer or nut is identified as $1/2''$, this is the *Nominal size*, meaning the *inside diameter* is $1/2$ inch; if a second number is present it represents the *threads per inch*

When bolt or capscrew is identified as $1/2 - 16 \times 2''$, this means the *Nominal size*, or *body diameter* is $1/2$ inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	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	27	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

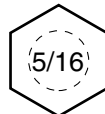
NOTES

- 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.

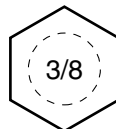
Wrench & Fastener Size Guide



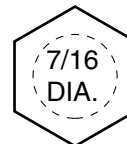
$1/4''$ Bolt or Nut
Wrench— $7/16''$



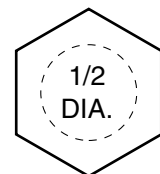
$5/16''$ Bolt or Nut
Wrench— $1/2''$



$3/8''$ 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— $3/4''$

Parts Manual

IS2500Z Series

Zero-Turn Riding Mower

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