



Parts Manual IS5100Z Series Zero-Turn Riding Mower



Models:	Description:
5900507	IS5100Z Series w/ Caterpillar Diesel & ROPS Export (IS5100ZC33D ANSI)
5900979	IS5100Z Series w/ Caterpillar Diesel, 61" Mower Deck & ROPS Export (IS5100Z/C33D61 ANSI)
5900995	IS5100Z Series w/ Caterpillar Diesel & ROPS Export (IS5100ZC33DCE)
5900996	IS5100Z Series w/ Caterpillar Diesel, 61" RD Mower Deck & ROPS Export (IS5100ZC33D61RDCE)
5901011	IS5100Z Series w/ Caterpillar Diesel & ROPS (IS5100ZC33D)
5901013	IS5100Z Series w/ Caterpillar Diesel, 61" Mower Deck & ROPS (IS5100ZC33D61)
5900591	72" Mower Deck (5100/72)
5900592	72" Rear Discharge Mower Deck (5100/72RD)
5900997	61" Rear Discharge Mower Deck - Export (5100/61RDCE)
5900998	72" Rear Discharge Mower Deck Export (5100/72RDCE)
5901010	72" Mower Deck - Export (5100/72CE)

Briggs and Stratton Power Products Group, LLC.

5375 North Main Street
Munnsville, NY 13409 USA
800-933-6175

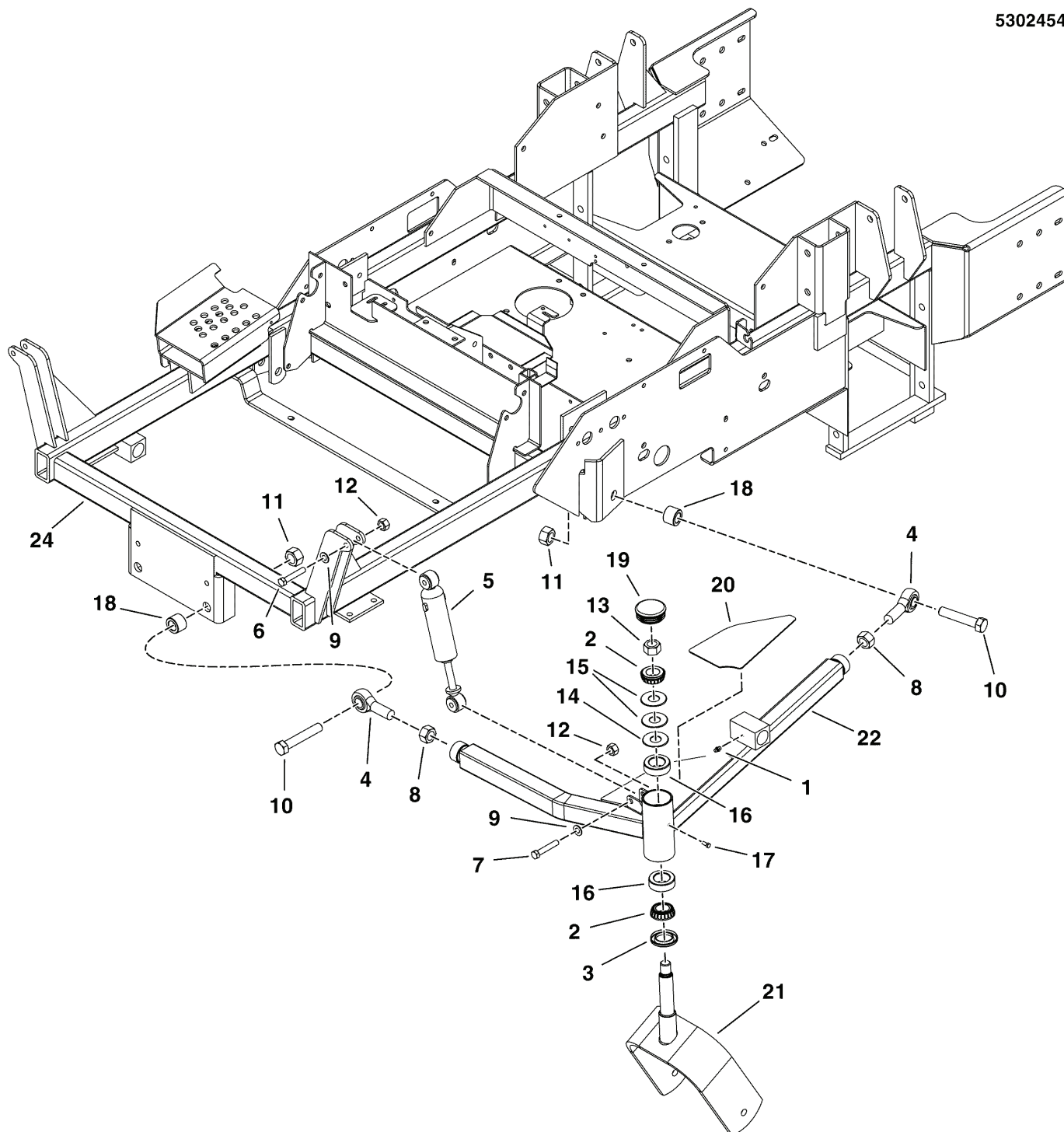
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Torque Specification Chart	Inside Back Cover

Main Frame & Front Suspension Group

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

5302454



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

5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)
5900507 (IS5100ZC33D ANSI)
5901013 (IS5100ZC33D61)
5900979 (IS5100Z/C33D61 ANSI)
5901011 (IS5100ZC33D)

Main Frame & Front Suspension Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5020095	3	GREASE FITTING, 1/4-28 STRAIGHT
2	5020884	4	BEARING, TAPERED ROLLER, 1
3	5021072	2	SEAL, GREASE
4	5022039	4	BALL JOINT, 3/4-16, MALE
5	5022842	2	COIL-OVER SHOCK ASSEMBLY
6	5025013X16	2	BOLT, 3/8-16 X 2 GD5 YZ
7	5025013X18	2	BOLT, 3/8-16 X 2-1/4 GD5 YZ
8	5025093	4	NUT, 3/4-16 HEX JAM
9	5025156	4	WASHER, 3/8 SAE
10	5025265X28	4	BOLT, 3/4-16 X 3-1/2 YZ GD5
11	5025284	4	NUT, 3/4-16 HEX NYLON LOCK
12	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
14	5025160	2	WASHER, 3/4 SAE
15	5025449	4	WASHER, BELLEVILLE - 1.500 X .755
16	5020883	4	BEARING CUP
17	5025457	2	BOLT, 1/4-28 X 1/2, GD5 YZ
18	5046093	4	SPACER, .75 X 1.50 X 1.00, CZ
19	5100882	2	CAP, CASTER SPINDLE, LOW PROFILE
20	5101003	1	SAFETY WALK, IS5000 A-ARM STEP
21	5402206B	2	WELD, CASTER YOKE -RED
22	5402216B	1	WELD, SUSPENSION ARM, LH - RED
23	5402217B	1	WELD, SUSPENSION ARM, RH - RED
24	5407418B	1	WELD, MAIN FRAME IS5100Z - RED

Footnotes

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

5900996 (IS5100ZC33D61RDCE)

5900995 (IS5100ZC33DCE)

5900507 (IS5100ZC33D ANSI)

5901013 (IS5100ZC33D61)

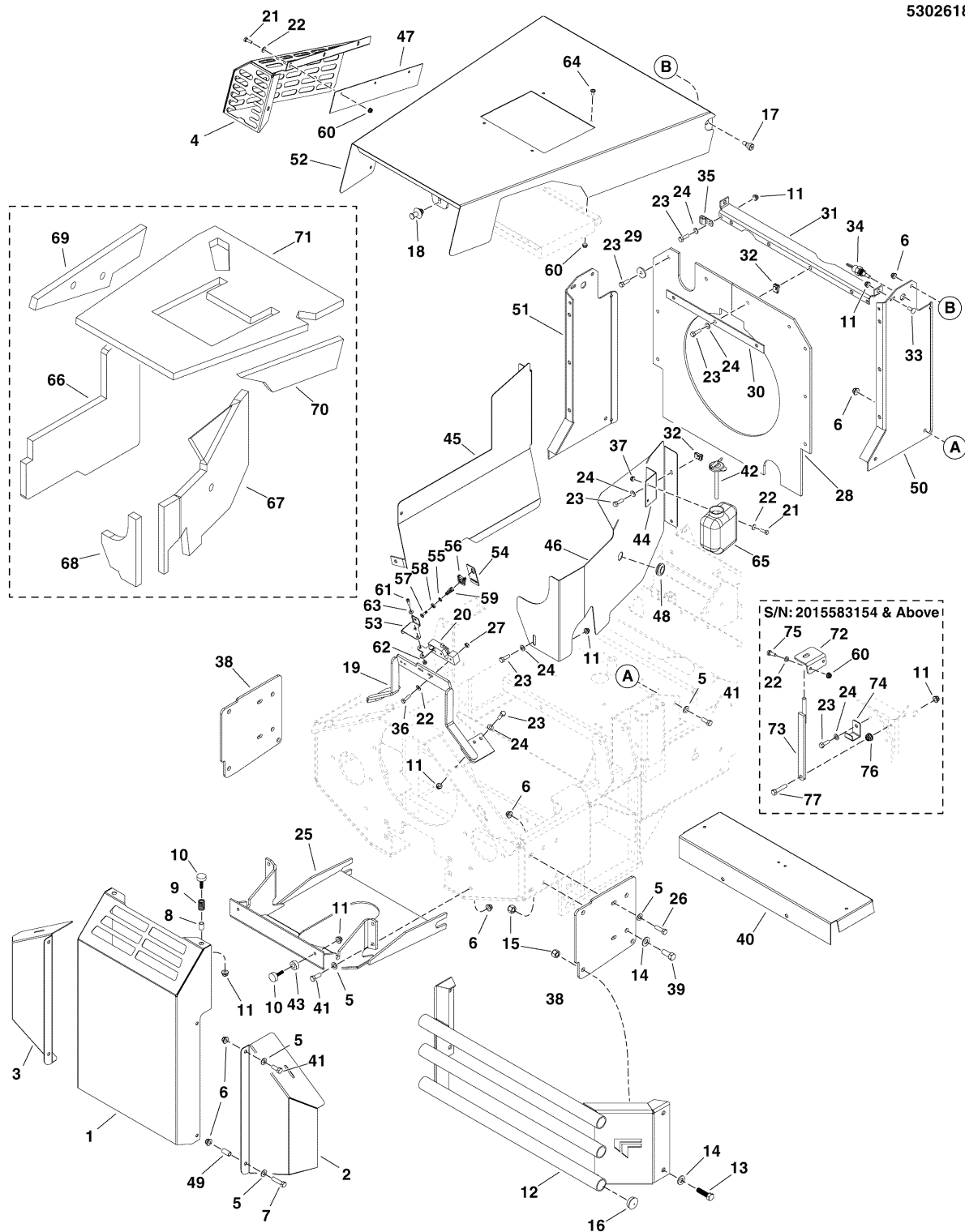
5900979 (IS5100Z/C33D61 ANSI)

5901011 (IS5100ZC33D)

Hood, Bumper & Shields Group

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

5302618



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

5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900995 (IS5100ZC33DCE)
5900996 (IS5100ZC33D61RDCE)
5900507 (IS5100ZC33D ANSI)
5900979 (IS5100Z/C33D61 ANSI)

Hood, Bumper & Shields Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5400341B	1	WELD, CENTER BUMPER IS5000 - RED
2	5400343B	1	WELD, BUMPER SIDE RH IS5000 - RED
3	5400345B	1	WELD, BUMPER SIDE LH IS5000 - RED
4	5401547B	1	WELD, MUFFLER GUARD, IS5100ZCE
5	5025156	16	WASHER, 3/8 SAE
6	5025394	18	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025013X14	2	BOLT, 3/8-16 X 1-3/4 GD5
8	5047199	2	SPACER, .38 X .50 X .75
9	5061833	2	SPRING, HOOD LATCH
10	5022807	4	BUMPER, RUBBER, 5/16-18
11	5025392	14	NUT, 5/16-18 HEX NYLOCK FLANGE
12	5400255B	1	WELD, BUMPER, SERVICE IS4500 - RED
13	5025018X14	4	BOLT, 1/2-20 X 1-3/4 GD8 YZ
14	5025158	8	WASHER, 1/2 SAE
15	5025098	8	NUT, 1/2-20 HEX NYLON LOCK
16	5023484	6	PLUG, PANEL, 1.25 - BLACK
17	5025356	2	BOLT, 3/8-16 X 3/8, 1/2 SHOULDER
18	5100266	1	BOLT/WASHER ASM HOOD LATCH
19	5400937B	1	WELD, MOUNT HOOD LATCH - RED
20	5100265	1	HOOD LATCH, IS5000
21	5025010X6	6	BOLT, 1/4-20 X 3/4 GD5 YZ
22	5025154	8	WASHER, 1/4 SAE
23	5025011X8	17	BOLT, 5/16-18 X 1 GD5 YZ
24	5025155	16	WASHER, 5/16 SAE
25	5400926B	1	WELD, SKID PLATE - RED
26	5025013X10	4	BOLT, 3/8-16 X 1-1/4 GD5
27	5025095	2	NUT, 1/4-20 HEX NYLON LOCK
28	5100178	1	SHROUD, RUBBER IS5000Z
29	5044617	1	WASHER, .34 X 1.25 X 10 GA
30	5061268B	1	BAR, RUBBER SUPPORT SIDE
31	5400813B	1	SHROUD, SUPPORT
32	5022308	10	BODY CLIP, 5/16-18-7GA MATERIAL
33	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
34	5100010	1	PIN, LATCH, SPR LOADED-PULL ACT
35	5025430	2	CLAMP, 5/16, DOUBLE, WIRE & TUBE
36	5025010X8	2	BOLT, 1/4-20 X 1, GD5
37	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
38	5400625B	2	PLATE, BUMPER MOUNT - RED
39	5025018X10	4	BOLT, 1/2-20 X 1-1/4 GD8 YZ
40	5401140B	1	SHIELD, DEBRIS - RED
41	5025013X8	10	BOLT, 3/8-16 X 1 GD5 YZ

Footnotes

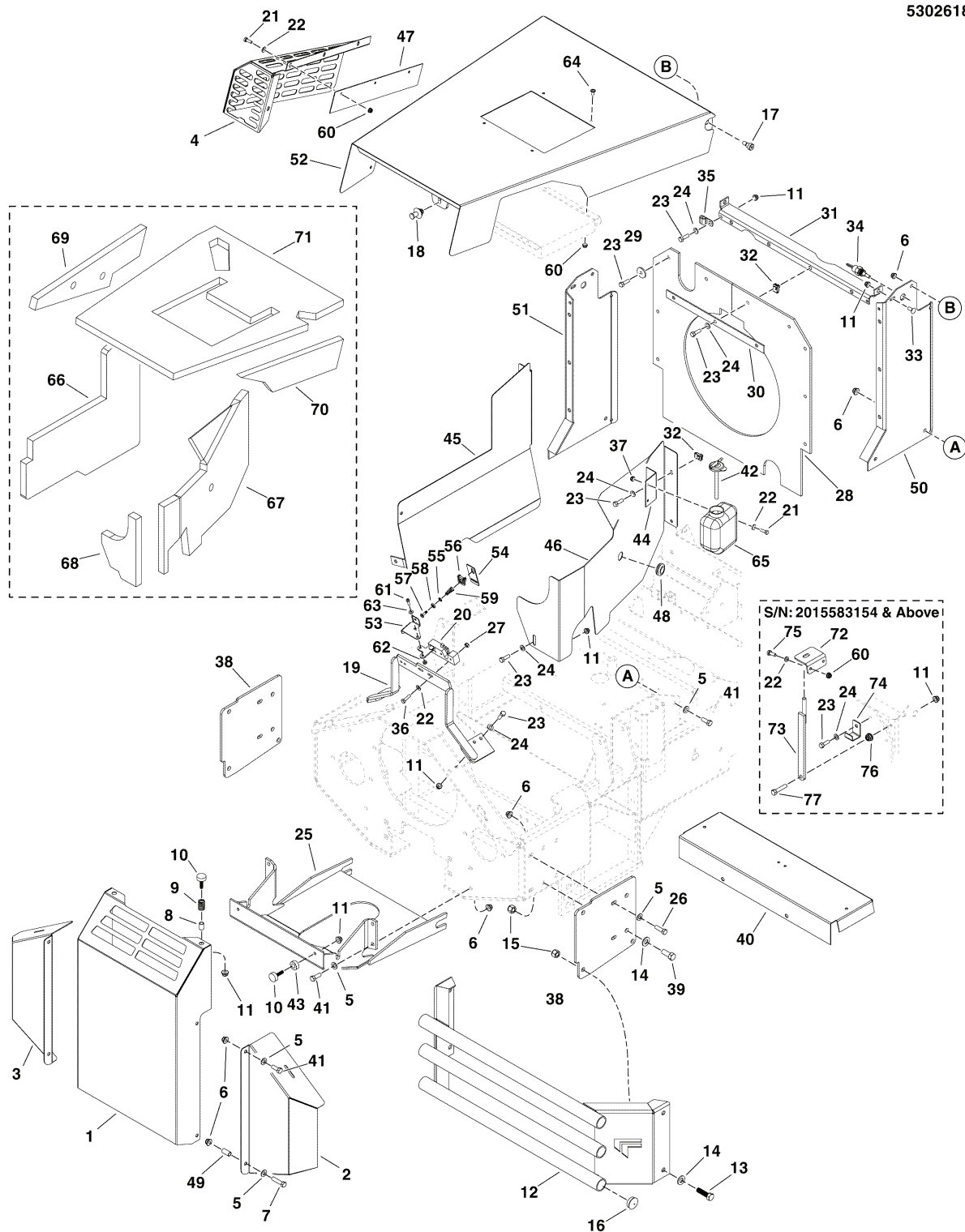
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5900507 (IS5100ZC33D ANSI)
5900979 (IS5100Z/C33D61 ANSI)

Hood, Bumper & Shields Group

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specification chart.

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- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)

Hood, Bumper & Shields Group

REF NO	PART NO.	QTY.	DESCRIPTION
42	5022883X35	1	CAP, EXPANSION TANK
43	5044609	2	SPACER, .52 X 1.00 X .38, CZ
44	5402310B	1	BRACKET, COOLANT RESERVOIR - RED
45	5402313B	1	WELD, SOUND BAFFLE, LH - RED
46	5402314B	1	PLATE, SOUND SHIELD, RH - RED
47	5402323B	1	PLATE, HOOD, SOUND SHIELD - RED
48	5023236	1	GROMMET, 3/4
49	5044959	2	SPACER, .38 X .50 X 1.00
50	5403867B	1	WELD, SHROUD CHANNEL - RH - RED
51	5403866B	1	WELD, SHROUD CHANNEL - LH - RED
52	5403870B	1	WELD, HOOD, IS5100ZCE - RED
53	5407948B	1	PLATE HOOD LOCKING LATCH, CE - RED
54	5407949B	1	PLATE CLIP LOCK, CE - RED
55	5025577	1	DZUS, RETAINER, PUSH-ON, SS
56	5025576	1	DZUS, RECEPTACLE, CLIP-ON, D8
57	5025575	1	DZUS, 1/4 TURN FASTENER, D8X16MM
58	5025574	1	DZUS, CUPPED WASHER
59	5025573	1	DZUS, EJECTOR SPRING
60	5025391	8	NUT, 1/4-20 HEX NYLOCK FLANGE
61	5025179X6	2	SCREW, #10-24 X 3/4 ROUND PHILLIPS
62	5025271	2	NUT, #10-24 HEX NYLON LOCK
63	5023499	2	WASHER, #10 SAE
64	5025299X4	4	SCREW, 1/4-20 X 1/2" ALLEN BH
65	5022883X34	1	EXPANSION TANK, COMPLETE
66	5402315	1	FOAM, SOUND BAFFLE, LH
67	5402316	1	FOAM, SOUND SHIELD, RH
68	5402317	1	FOAM, SOUND SHIELD
69	5402325	1	FOAM, HOOD, SOUND SHIELD, LH
70	5402326	1	FOAM, HOOD, SOUND SHIELD, RH
71	5402324	1	FOAM, HOOD, SOUND SHIELD
72	5409450B	1	BRACKET, HOOD PROP, POCKET
73	5409451B	1	WELD, HOOD PROP, IS5100
74	5409449B	1	BRACKET, HOOD PROP, RETAINER
75	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5
76	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE
77	5025011X12	1	BOLT, 5/16-18 X 1-1/2 GD5 YZ

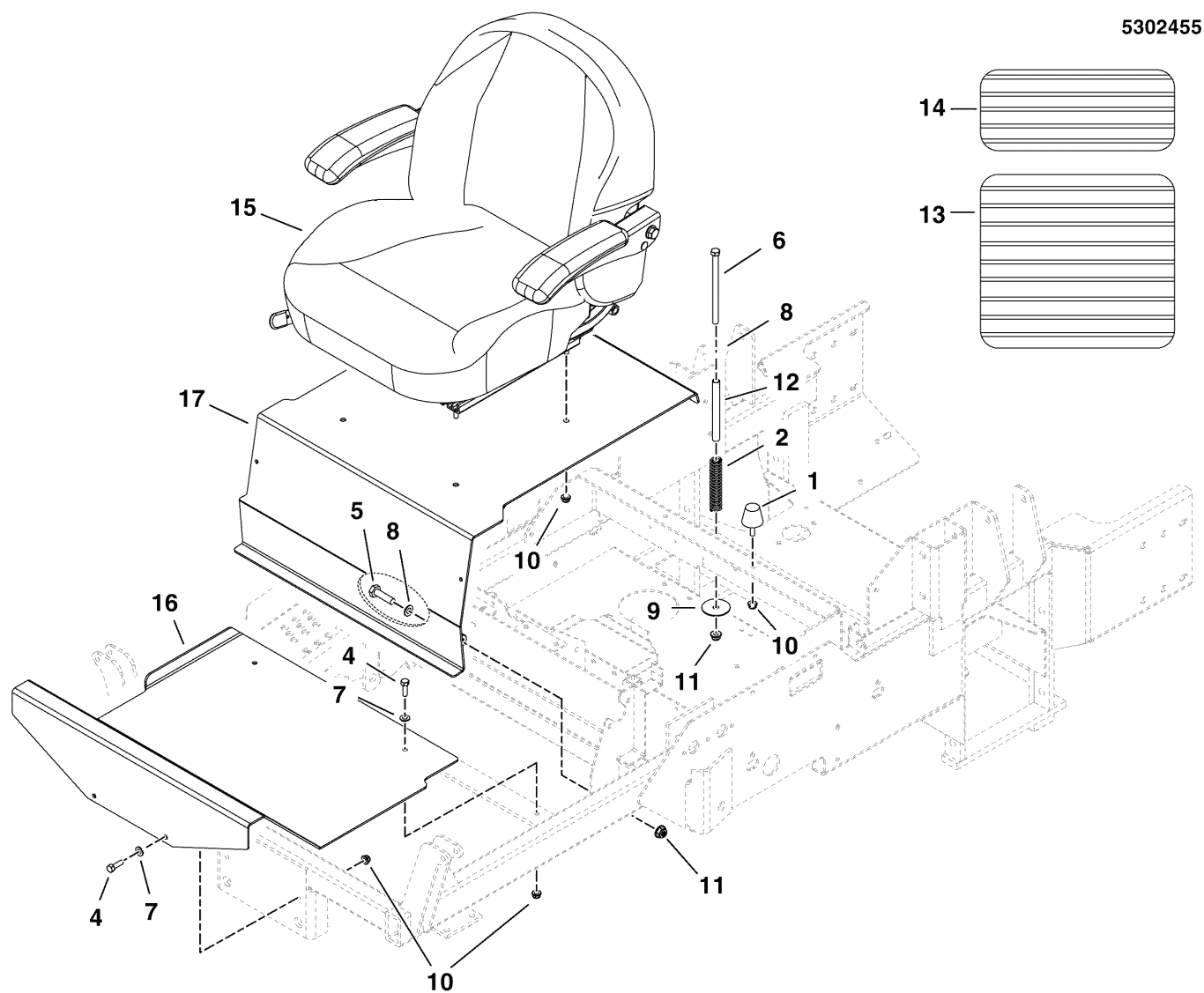
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5900979 (IS5100Z/C33D61 ANSI)

Seat Mount & Floor Group

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



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5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)

Seat Mount & Floor Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022612	2	BUMPER, RUBBER 5/16-18
2	5022798	1	SPRING, COMP, .835 X.105 X4.26
3	5022853	1	WRENCH, SPANNER, CZ (NOT SHOWN)
4	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ
5	5025013X28	2	BOLT, 3/8-16 X 3-1/2 GD5 CZ
6	5025013X48	1	BOLT, 3/8-16 X 6 GD5 YZ
7	5025155	4	WASHER, 5/16 SAE
8	5025156	3	WASHER, 3/8 SAE
9	5025326	1	WASHER, .39 X 2.00 X X .14
10	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5025394	3	NUT, 3/8-16 HEX NYLOCK FLANGE
12	5046586	1	SPACER, .38 X .50 X 5.06
13	5100999	1	SAFETY WALK, FLOOR PLATE, 17.13 X 11.50
14	5101007	1	SAFETY WALK, FLOOR REST, 17.13 X 6.00
15	5102760	1	SEAT, 1110EVC, COMPANION
16	5407408B	1	PLATE, FLOOR DETAIL IS5100Z - RED
17	5407419B	1	WELD, SEAT PLATE IS5100Z - RED
18	5102760X1	1	SEAT BACK COVER (NOT SHOWN)
19	5102760X2	1	SEAT CUSHION (NOT SHOWN)
20	5102760X3	1	ARM REST, COMPANION (NOT SHOWN)
21	5102760X4	1	SLIDE RAILS (NOT SHOWN)

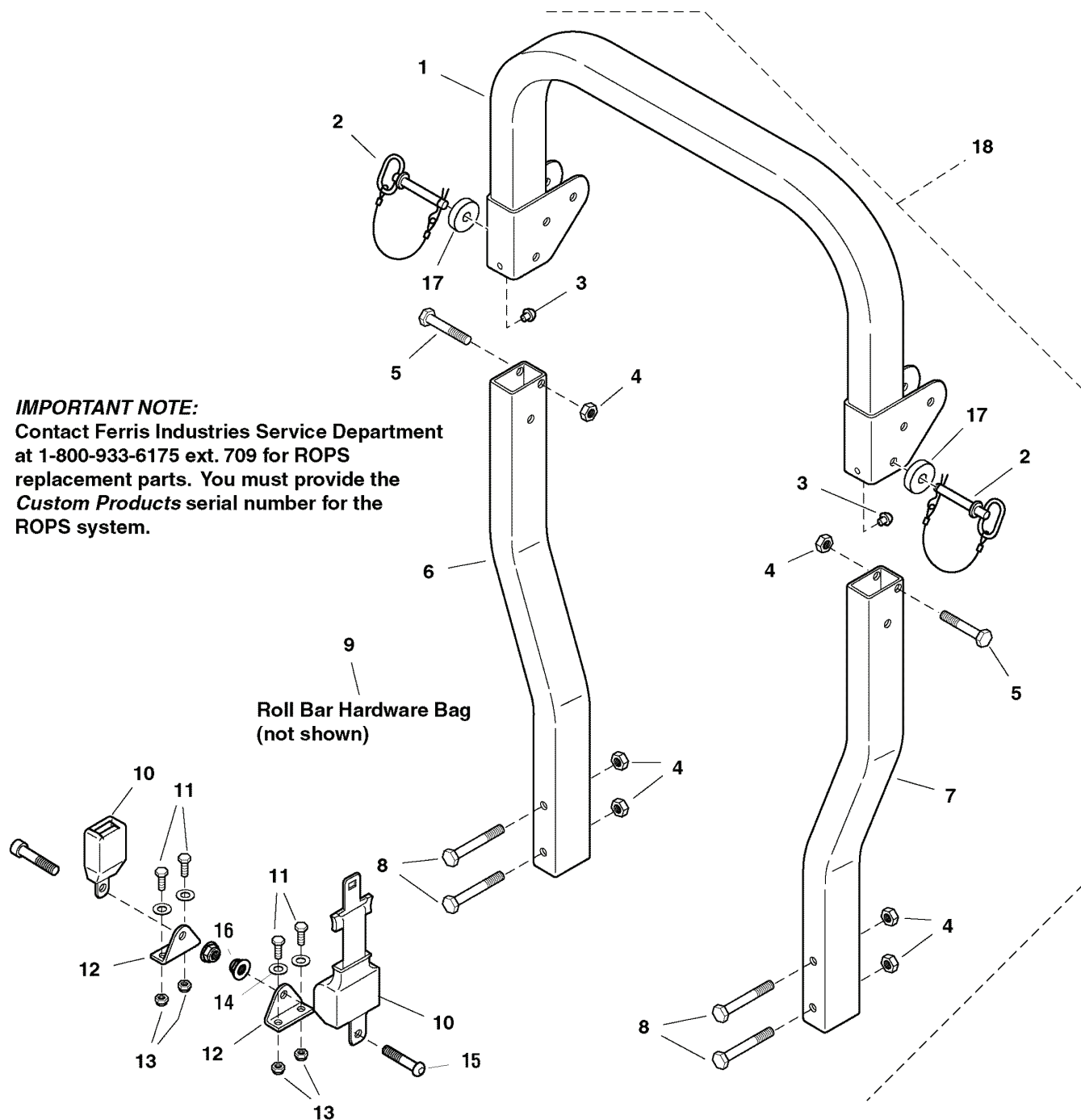
Footnotes

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

5900996 (IS5100ZC33D61RDCE)
5900979 (IS5100Z/C33D61 ANSI)
5901011 (IS5100ZC33D)
5901013 (IS5100ZC33D61)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)

Roll Bar & Seat Belt Group

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



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

5900979 (IS5100Z/C33D61 ANSI)
5901013 (IS5100ZC33D61)
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5900996 (IS5100ZC33D61RDCE)
5900507 (IS5100ZC33D ANSI)

Roll Bar & Seat Belt Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	-	1	ROLL BAR TOP LOOP (See Drawing Note)
2	5100079	2	PIN, Hitch, Black W/ Plastic Lanyard
3	5100383	2	RUBBER BUMPER
4	-	6	* NUT
5	-	2	* BOLT
6	-	1	ROLL BAR POST, RH (See Drawing Note)
7	-	1	ROLL BAR POST, LH (See Drawing Note)
8	-	4	* BOLT
9	5100379	1	ROLL BAR HARDWARE BAG (Includes hitch pins)
10	5100139	1	SEAT BELT ASSEMBLY, Standard (Includes mounting hardware)
10	5100397	1	SEAT BELT ASSEMBLY, Extra Long (Includes mounting hardware)
11	5025013X8	4	BOLT, 3/8-16 x 1"
12	5401086B	2	MOUNT, SEAT BELT - RED
13	5025394	4	NUT, 3/8-16 Hex Nylock Flange
14	5025156	4	WASHER, 3/8" SAE
15	5100267	2	SCREW, 1/2-13 X 1" SHCS
16	5025396	2	NUT, 1/2-13 NYLOCK FLANGE
17	5100545	2	RUBBER WASHER
18	5100187	1	ROPS, COMPLETE IN BOX, IS5100Z

Footnotes

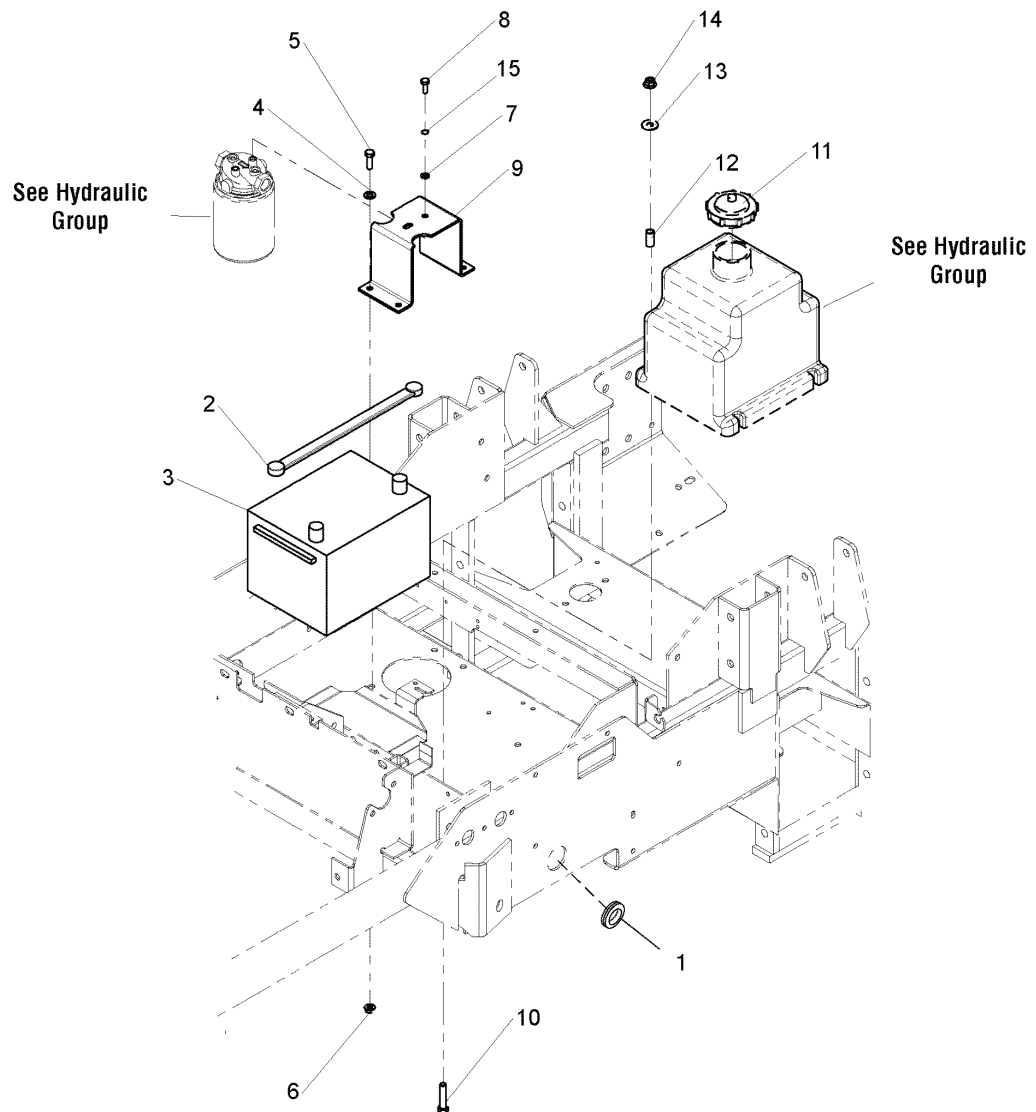
* Not serviced. For replacement hardware, you must purchase the Roll Bar Hardware Bag (Ref. No. 9).

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5900507 (IS5100ZC33D ANSI)

Seat Compartment Group

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



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

5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5901013 (IS5100ZC33D61)
5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)

Seat Compartment Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5021397	2	GROMMET, 1-1/4
2	1722009	1	STRAP-BLACK RUBB
3	-	1	BATTERY, 12V (BCI58, 500 CCA)
4	5025155	4	WASHER, 5/16" SAE
5	5025011X8	4	BOLT, 5/16-18 X 1" GD5 YZ
6	5025392	4	NUT, 5/16-18 NYLOCK FLANGE
7	5025154	2	WASHER, 1/4" SAE
8	5025010X6	2	BOLT, 1/4-20 X 3/4" GD5 YZ
9	5401130B	1	MOUNT, OIL FILTER - RED
10	5025013X14	4	BOLT, 3/8-16 X 1-3/4" GD5
11	5022437	1	CAP, 2-1/2" VENTED
12	5044959	4	SPACER, .38 X .50 X 1.00
13	5025401	4	WASHER, 3/8" USS
14	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
15	5025169	2	WASHER, 1/4 LOCK

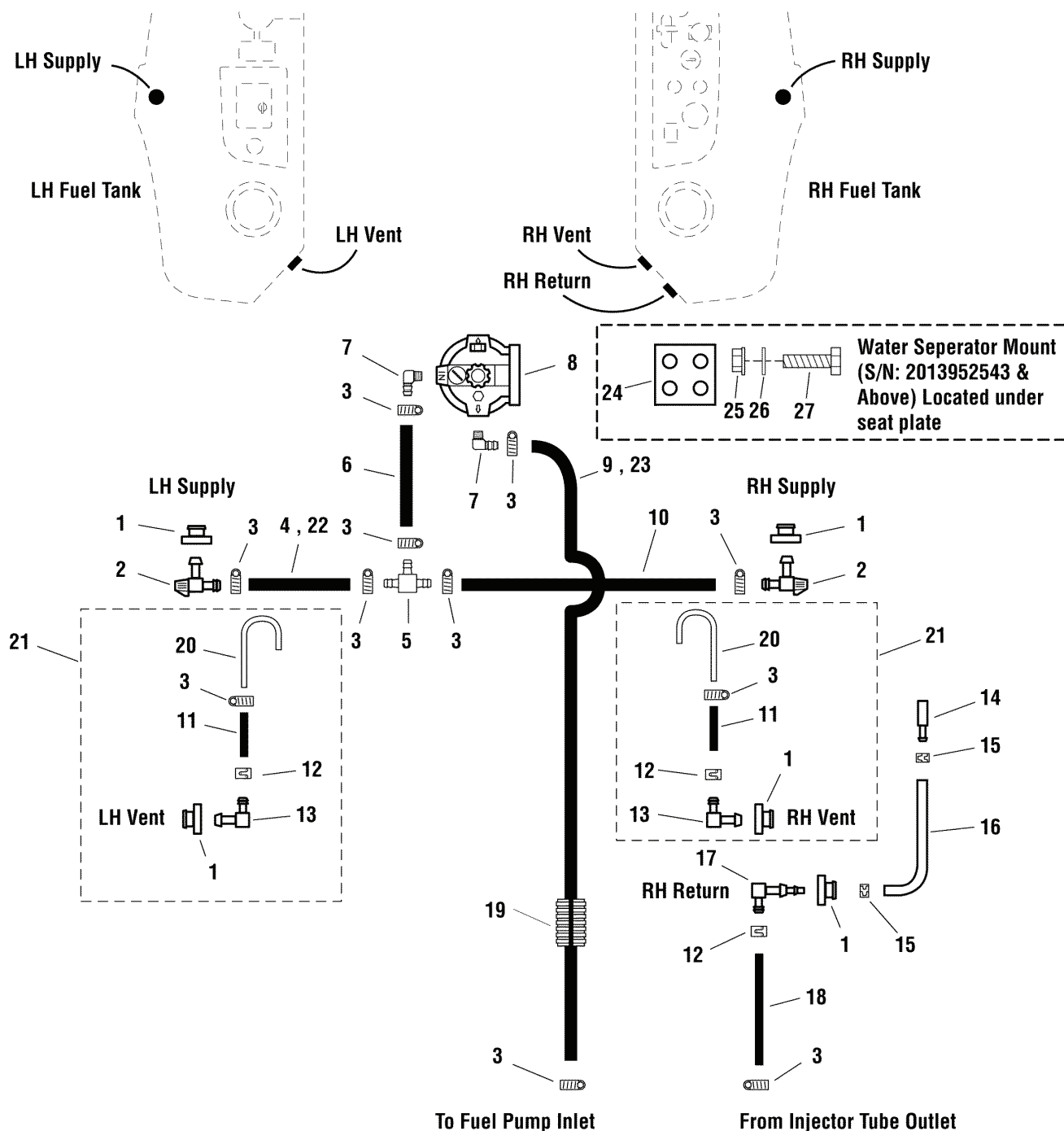
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5900507 (IS5100ZC33D ANSI)
5901013 (IS5100ZC33D61)
5900996 (IS5100ZC33D61RDCE)
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5900979 (IS5100Z/C33D61 ANSI)

Fuel Supply Hose & Tank Replacement Parts Group

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



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5900995 (IS5100ZC33DCE)
5901011 (IS5100ZC33D)

Fuel Supply Hose & Tank Replacement Parts Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5600050	5	GROMMET
2	5023060	2	VALVE, Fuel Shut Off
3	5022922	11	CLAMP, #4 Hose
4	5050919X26P5	1	HOSE, 3/8" FUEL, 26.50"
5	5022920	1	FITTING, TEE, 3/8" Hose
6	5050919X3P5	1	HOSE, 3/8" FUEL, 3.50" (S/N: 2013952542 & Below)
7	5022708	2	FITTING, 1/4" NPT, 90 Deg.
8	5022926	1	FILTER/WATER SEPARATOR ASSEMBLY, Complete
8	5022926X1	1	FUEL FILTER
8	5022926X2	1	O-RING SEAL (between filter and bowl)
8	5022926X3	1	BOWL
9	5050919X54	1	HOSE, 3/8" FUEL, 54.00" (S/N: 2013952542 & Below)
10	5050919X35	1	HOSE, 3/8" FUEL, 35.00
11	5050831X16	2	HOSE, 1/4" FUEL, 16.00"
12	5020835	3	CLAMP, Hose
13	1674231	2	ELBOW FITTING
14	-	1	SEE REF # 16
15	-	2	SEE REF # 16
16	5101158	1	HOSE ASSEMBLY
17	-	1	SEE REF # 16
18	5050831X33P5	1	HOSE, 1/4" FUEL, 33.50"
19	5050861X25	2	LOOM, 5/8" I.D., 25
20	5404079	2	VENT TUBE, DIESEL
21	5600160	1	KIT, FUEL TANK VENT LINE (Includes Ref Nos 1, 3, 11 - 13 & 20)
22	5050919X5P5	1	HOSE, 3/8" FUEL, 5.5" (S/N: 2013952543 & Above)
23	5050919X56	1	HOSE, 3/8" FUEL, 56" (S/N: 2013952543 & Above)
24	5406039B	1	MOUNT, WATER SEPERATOR - RED (S/N: 2013952543 & Above)
25	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE (S/N: 2013952543 & Above)
26	5025156	4	WASHER, 3/8 SAE (S/N: 2013952543 & Above)
27	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 YZ (S/N: 2013952543 & Above)

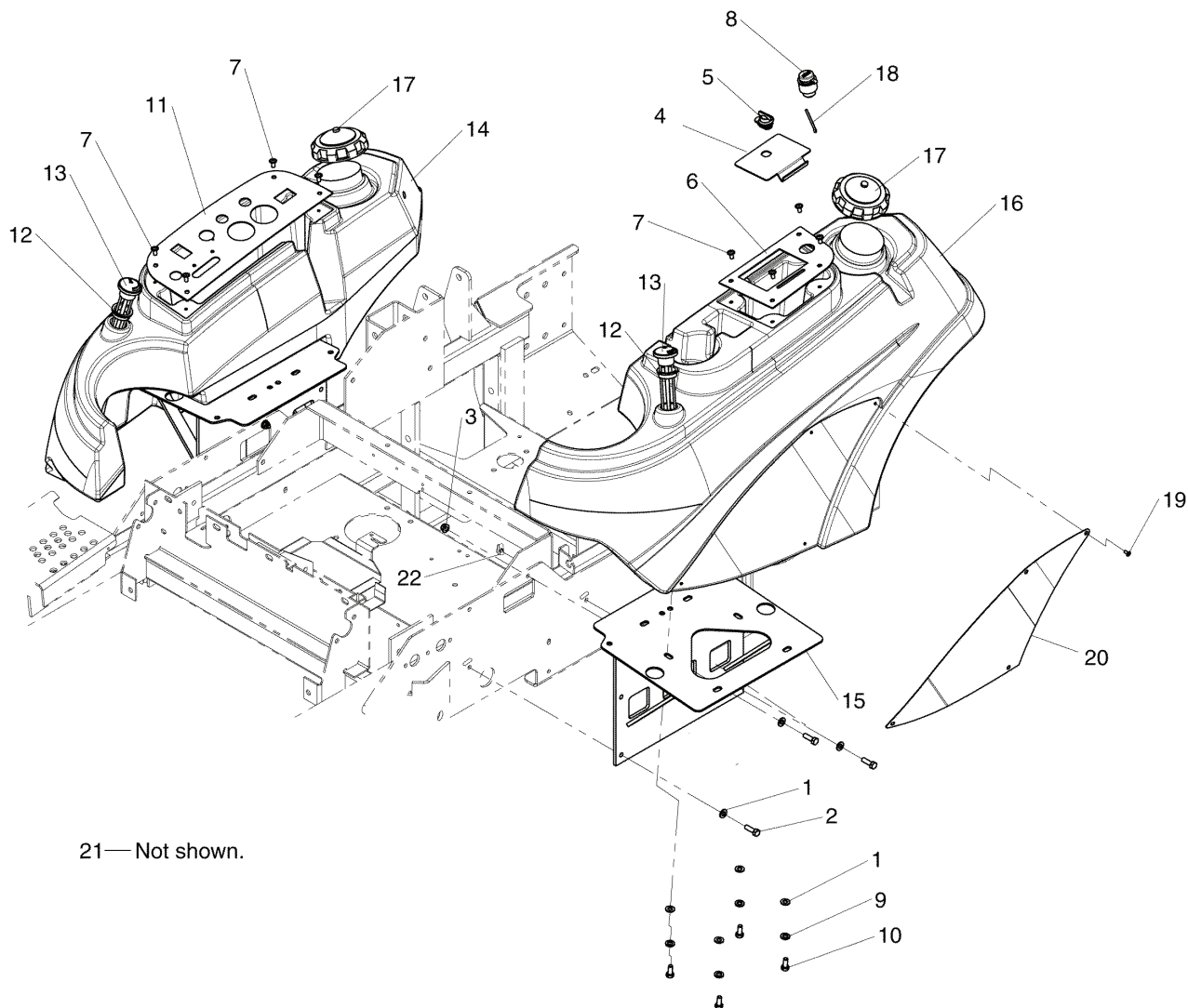
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5900995 (IS5100ZC33DCE)
5901011 (IS5100ZC33D)

Fuel Tank & Mount Group

NOTE: Unless noted otherwise,
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specification chart.



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5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)

Fuel Tank & Mount Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025155	20	WASHER, 5/16" SAE
2	5025011X8	8	BOLT, 5/16-18 X 1" GD5
3	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
4	5061406A	1	COVER, CONTROL PANEL
5	5023395	1	LATCH, CONTROL PANEL
6	5061310A	1	PANEL, CONTROL - LH
7	5025299X4	8	SCREW, ALLEN HEAD, 1/4-20X1/2
8	5100016	1	POWER, OUTLET - 12 VOLT
9	5025170	12	WASHER, 5/16" LOCK
10	5025011X6	12	BOLT, 5/16-18 X 3/4" GRD5
11	-	-	CONTROL PANEL (See Instrument Panel Group)
12	5022917X1	2	GROMMET, FUEL GAUGE
13	5022917	2	GAUGE, FUEL 12"
14	5061298	1	TANK, FUEL, IS4500Z, RH
15	5407840B	2	WELD, FUEL TANK MOUNT
16	5061299	1	TANK, FUEL, IS4500Z LH
17	5101273	2	FUEL CAP, 3.5", NON VENTED, DIESEL
18	5025203X10	1	PIN, COTTER, 1/8" X 1-1/4" (installed with head on the bottom)
19	5025386	8	SCREW, Allen Head, #10-24 x 3/8"
20	5061301B	2	PLATE, BADGE, IS4500Z
21	5047993B	2	GUARD, TANK VALVE (not shown)
22	5022308	4	CLIP, BODY 5/16-18

Footnotes

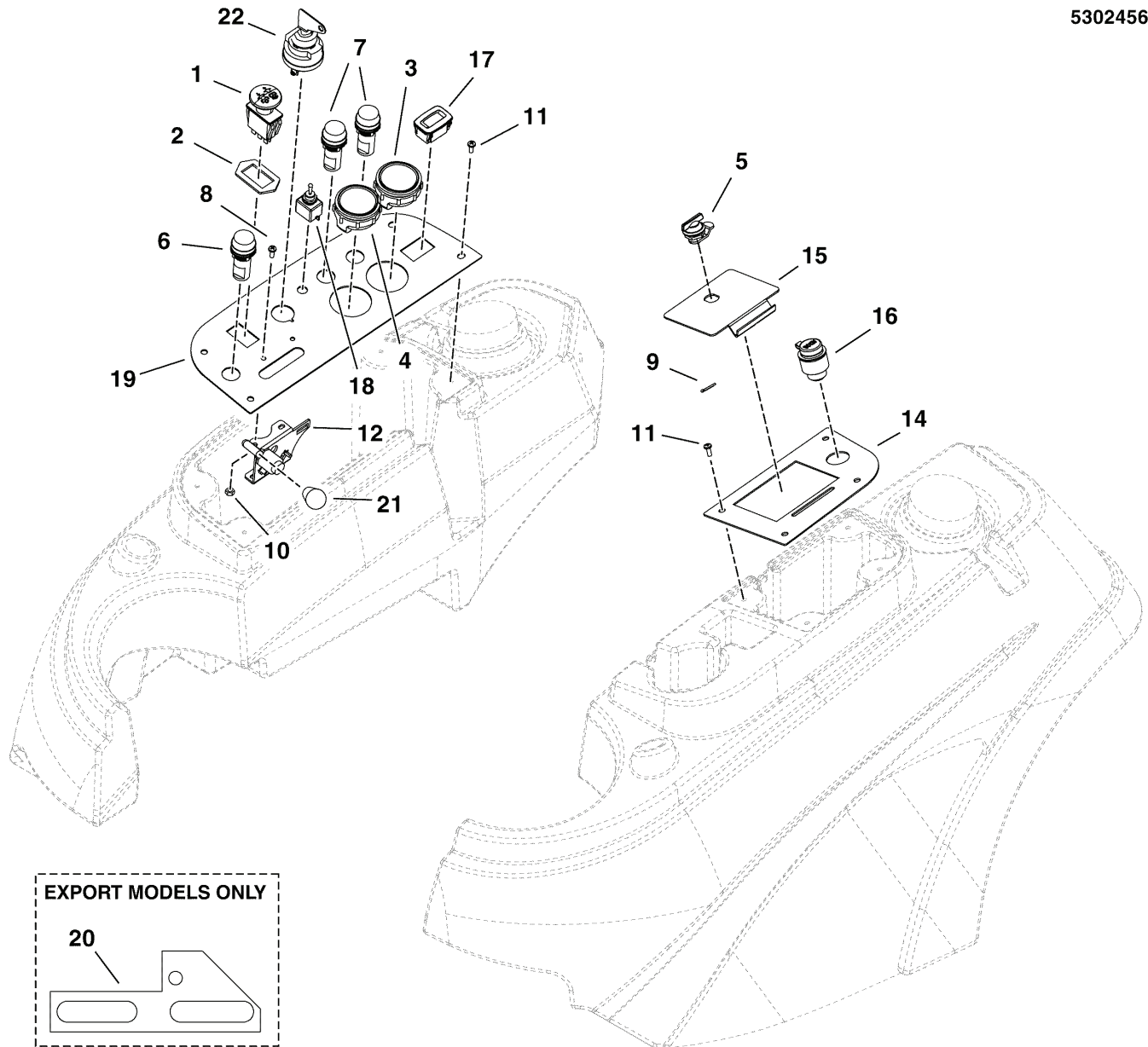
The above parts group applies to the following Mfg. Nos.:

5900507 (IS5100ZC33D ANSI)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)

Instrument Control Panel Group

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

5302456



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

5900996 (IS5100ZC33D61RDCE)

5901013 (IS5100ZC33D61)

5900995 (IS5100ZC33DCE)

5901011 (IS5100ZC33D)

5900507 (IS5100ZC33D ANSI)

5900979 (IS5100Z/C33D61 ANSI)

Instrument Control Panel Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022180	1	SWITCH, BLADE ENGAGEMENT
2	5022222	1	RING, SWITCH RETAINER
3	5022387	1	VOLTMETER, UNLIT, 12V, W/ COLOR GRAPHIC
4	5023393	1	GAUGE, WATER TEMPERATURE
5	5023395	1	LATCH, CONTROL PANEL
6	5023451	1	LIGHT, GLOW PLUG, 22MM AMBER
7	5023452	2	LIGHT, WARNING, 22MM RED
8	5025179X4	2	SCREW- #10-24 X 1/2 ROUND PHILLIPS
9	5025201X6	1	PIN, COTTER, 3/32 X 3/4
10	5025271	2	NUT, #10-24 HEX NYLON LOCK
11	5025299X4	8	SCREW, 1/4-20 X 1/2 ALLEN BH
12	5046360	1	HANDLE, THROTTLE CONTROL
13	5046392	1	CABLE, THROTTLE CONTROL, 47.5 (NOT SHOWN)
14	5061310A	1	PANEL, CONTROL - LH
15	5061406A	1	COVER, CONTROL PANEL
16	5100016	1	POWER, OUTLET - 12 VOLT
17a	5409263	1	* HOUR METER, ASSEMBLY (S/N: 2015551938 & Above)
17b	5102417	1	HOUR METER (S/N: 2015551937 & Below)
18	5102943	1	SWITCH, TOGGLE
19	5407383A	1	CONTROL PANEL, IS5100Z RH - BLK
20	5406227A	1	PLATE, THROTTLE STOP - BLK
21	5046360X1	1	THROTTLE CONTROL HANDLE/KNOB
22	5103148	1	SWITCH-IGNITION (COMPLETE)
23	5103148X1	1	KEY, IGNITION (NOT SHOWN)
24	5022883X3	1	PLATE, COVER (NOT SHOWN)
25	5103236	1	BOOT COVER, TOGGLE SWITCH (NOT SHOWN)

Footnotes

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

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

5900996 (IS5100ZC33D61RDCE)

5901013 (IS5100ZC33D61)

5900995 (IS5100ZC33DCE)

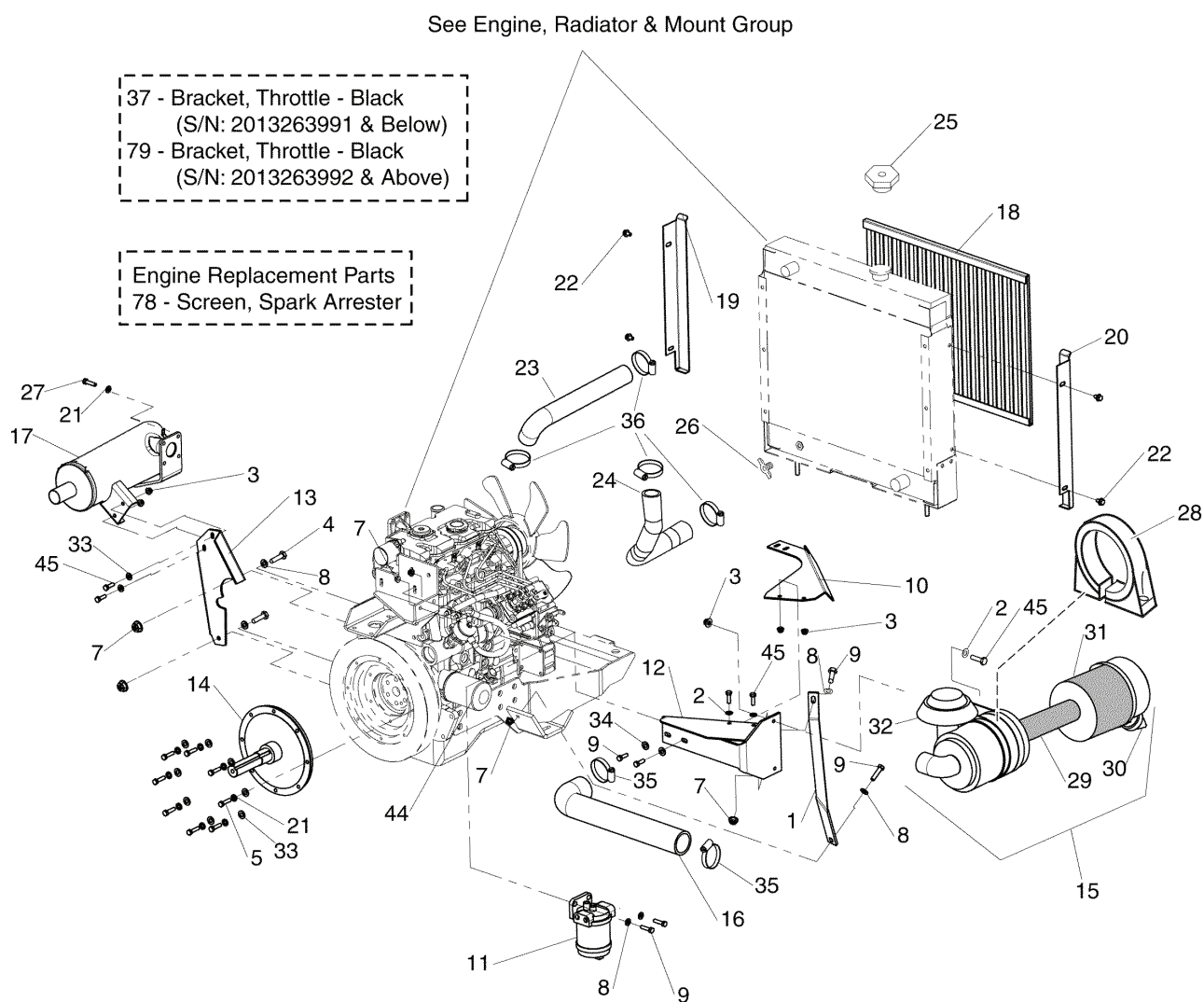
5901011 (IS5100ZC33D)

5900507 (IS5100ZC33D ANSI)

5900979 (IS5100Z/C33D61 ANSI)

Engine & Radiator Accessories Group

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



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

5900995 (IS5100ZC33DCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5900507 (IS5100ZC33D ANSI)

Engine & Radiator Accessories Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5400603B	1	SUPPORT, AIR FILTER - RED
2	5025155	2	WASHER, 5/16" SAE
3	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
4	5025013X14	2	BOLT, 3/8-16 X 1-3/4" GD5
5	5025011X10	8	BOLT, 5/16-18 X 1-1/4" GD5 YZ
6	5023449	1	SENDER, WATER, TEMPERATURE, 3/8 NPT (Not shown)
7	5025394	8	NUT, 3/8-16 HEX NYLOCK FLANGE
8	5025156	6	WASHER, 3/8" SAE
9	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5
10	5400582B	1	PLATE, AIR FILTER - RED
11	5022883X19B	1	FUEL FILTER ASSEMBLY (19B & 19C)
11	5022883X19C	1	FUEL FILTER ELEMENT ONLY
12	5049755B	1	WELD, AIR FILTER MOUNT
13	5400799B	1	BRACKET, MUFFLER IS5000
14	5100041	1	* SHAFT, STUB, FLYWHEEL PLATE
15	809218	1	5" AIR CLEANER ASSEMBLY
16	5100086	1	HOSE, AIR FILTER IS5000
17	5100556	1	MUFFLER, 3013C CAT DIESEL ENG
18	5023129	1	SCREEN, FRONT,RAD, IS5000Z-DSL
19	5048533B	1	BRACKET, RADIATOR SCREEN - LH
20	5048534B	1	BRACKET, RADIATOR SCREEN - RH
21	5025170	8	WASHER, 5/16" LOCK
22	5023158	4	BOLT, 5/16-18 X 1/2" FLANGE, SPEC
23	5100393	1	HOSE, UPPER RADIATOR CAT
24	5100394	1	HOSE, LOWER RADIATOR - CAT
25	5023150	1	PRESSURE CAP
26	5023151	1	PETCOCK VALVE
27	5025237	4	BOLT, M8 X 25MM
28	807213	1	BRACKET, AIR CLEANER ASSY - 5
29	841238	1	AIR FILTER ELEMENT (SECONDARY)
30	5022883X32	1	AIR CLEANER DUST VALVE
31	841237	1	AIR FILTER ELEMENT (PRIMARY)
32	809907	1	CAP, A/C RAIN
33	5025292	11	WASHER, 5/16" GD.9 FLAT
34	5025293	2	WASHER, 3/8" GD.9 FLAT
35	5023448	2	CLAMP, SS HOSE 2-3/4"
36	5022883X54	4	HOSE CLAMP
37	5400249A	1	BRACKET, THROTTLE - BLACK (Not Shown - S/N: 2013262991 & Below)
38	5047650	1	CLAMP, BARREL, THROTTLE (Not shown - Throttle parts on engine)
39	5022901	1	CLAMP, CONDUIT (Not shown - Throttle parts on engine)
40	5025179X4	2	SCREW, #10-24 X 1/2" ROUND PHILLIPS (Not shown - Throttle parts on engine)

Footnotes

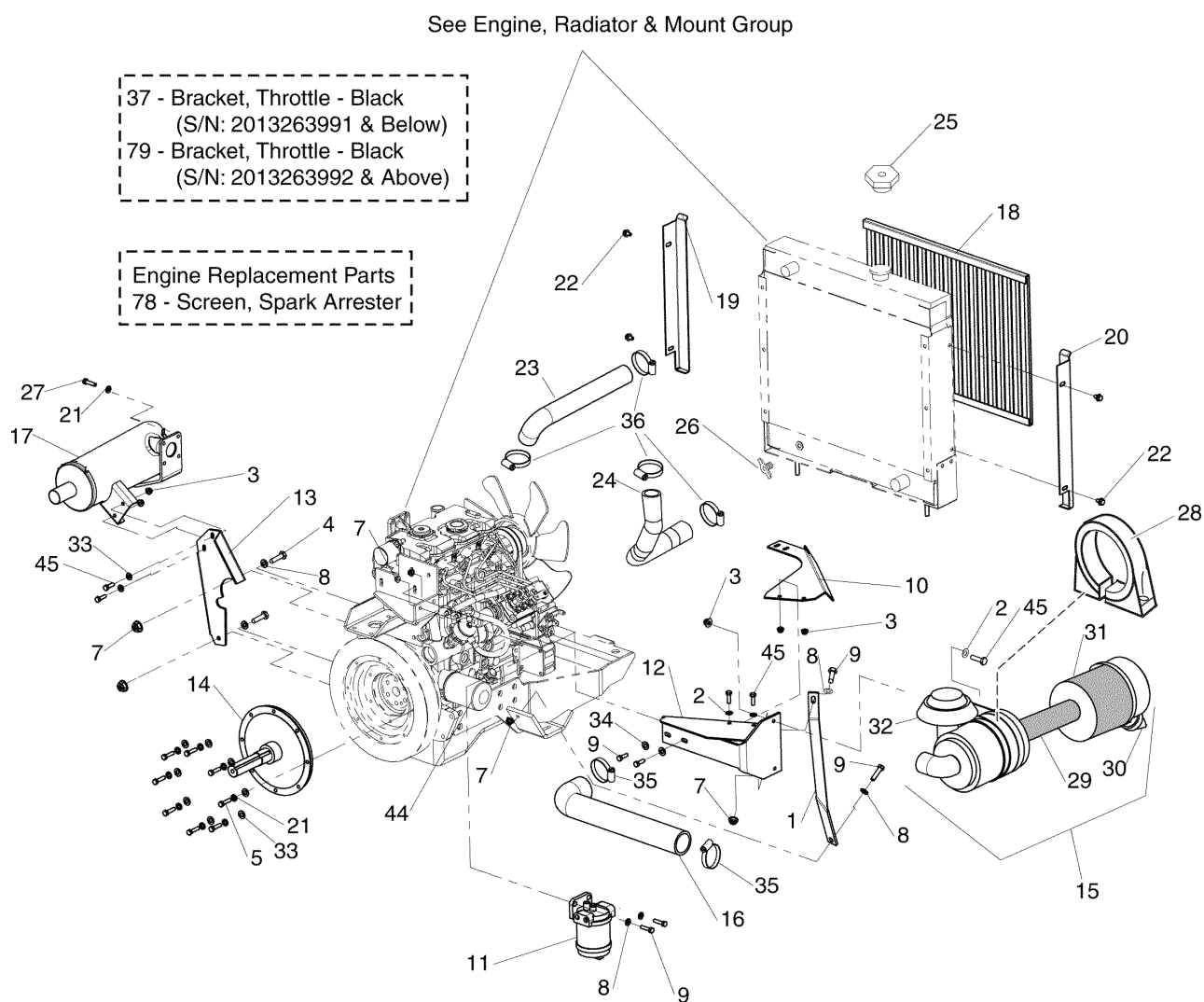
* Order 5025499 (1) & 5101524 (1) when replacing 5100041

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

5900995 (IS5100ZC33DCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5900507 (IS5100ZC33D ANSI)

Engine & Radiator Accessories Group

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



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

5900995 (IS5100ZC33DCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5900507 (IS5100ZC33D ANSI)

Engine & Radiator Accessories Group

REF NO	PART NO.	QTY.	DESCRIPTION
41	5025169	2	WASHER, 1/4" LOCK (Not shown - Throttle parts on engine)
42	5025271	1	NUT, #10-24 HEX NYLON LOCK (Not shown - Throttle parts on engine)
43	5025420	1	NUT, M6-1.0 (Not shown - For Alternator)
44	5022883X11	1	FILTER, ENGINE OIL
45	5025011X8	2	BOLT, 5/16-18 X 1" GD5 YZ
46	5022883X7	1	OIL FILL CAP (Not shown)
47	5022883X8	1	SEAL, OIL FILL (Not shown)
48	5022883X9	1	SOLENOID, FUEL, 1 - POST (Not shown)
49	5022883X10	1	WASHER, FUEL SOLENOID (Not shown)
50	5022883X12	1	WATER PUMP (Not shown)
51	5022883X16	1	GASKET, WATER PUMP (Not shown)
52	5022883X17	1	THERMOSTAT (Not shown)
53	5022883X18	1	GASKET, THERMOSTAT (Not shown)
54	5022883X20	1	DIP STICK (Not shown)
55	5022883X21	1	PLUG, OIL DRAIN (Not shown)
56	5022883X22	1	WASHER, DRAIN PLUG (Not shown)
57	5022883X23	1	STARTER MOTOR (Not shown)
58	5022883X24	1	ALTERNATOR (Not shown)
59	5022883X25	1	BELT, FAN & WATER PUMP (Not shown)
60	5022883X26	1	FUEL PUMP (Not shown)
61	5022883X27	1	GASKET, FUEL PUMP (Not shown)
62	5022883X28	1	GLOW PLUG (Not shown)
63	5022883X34	1	TANK, EXPANSION, COMPLETE (Not shown)
64	5022883X35	1	CAP, TANK, EXPANSION (Not shown)
65	5022883X36	1	EXHAUST GASKET (Not shown)
66	5100221	1	SWITCH, OIL PRESSURE (Not shown)
67	5022883X40	1	SWITCH, WATER TEMPERATURE (Not shown)
68	5022883X41	1	STARTER SOLENOID (Not shown)
69	5022883X42	1	SEAL, REAR MAIN (Not shown)
70	5022883X43	1	SEAL, FRONT MAIN (Not shown)
71	5022883X45	1	INDICATOR, AIR CLEANER (Not shown)
72	5022883X47	1	INJECTOR ASSEMBLY (Not shown)
73	5022883X48	1	WASHER, 4 HOLE (Not shown)
74	5022883X49	1	WASHER, SEALING (Not shown)
75	5022883X50	1	WASHER, CRUSH (Not shown)
76	5022883X55	1	GASKET, VALVE COVER (Not shown)
77	5022883X56	1	PARTS MANUAL, ENGINE (Not shown)
78	5101641	1	SCREEN, SPARK ARRESTER (Not shown)
79	5404060A	1	BRACKET, THROTTLE - BLACK (Not Shown - S/N: 2013262992 & Above)
80	5100202	1	SOLENOID, FUEL, 2 - POST (Not shown)
81	5103242	1	CLAMP (Not Shown - Holds lower radiator hose #24)

Footnotes

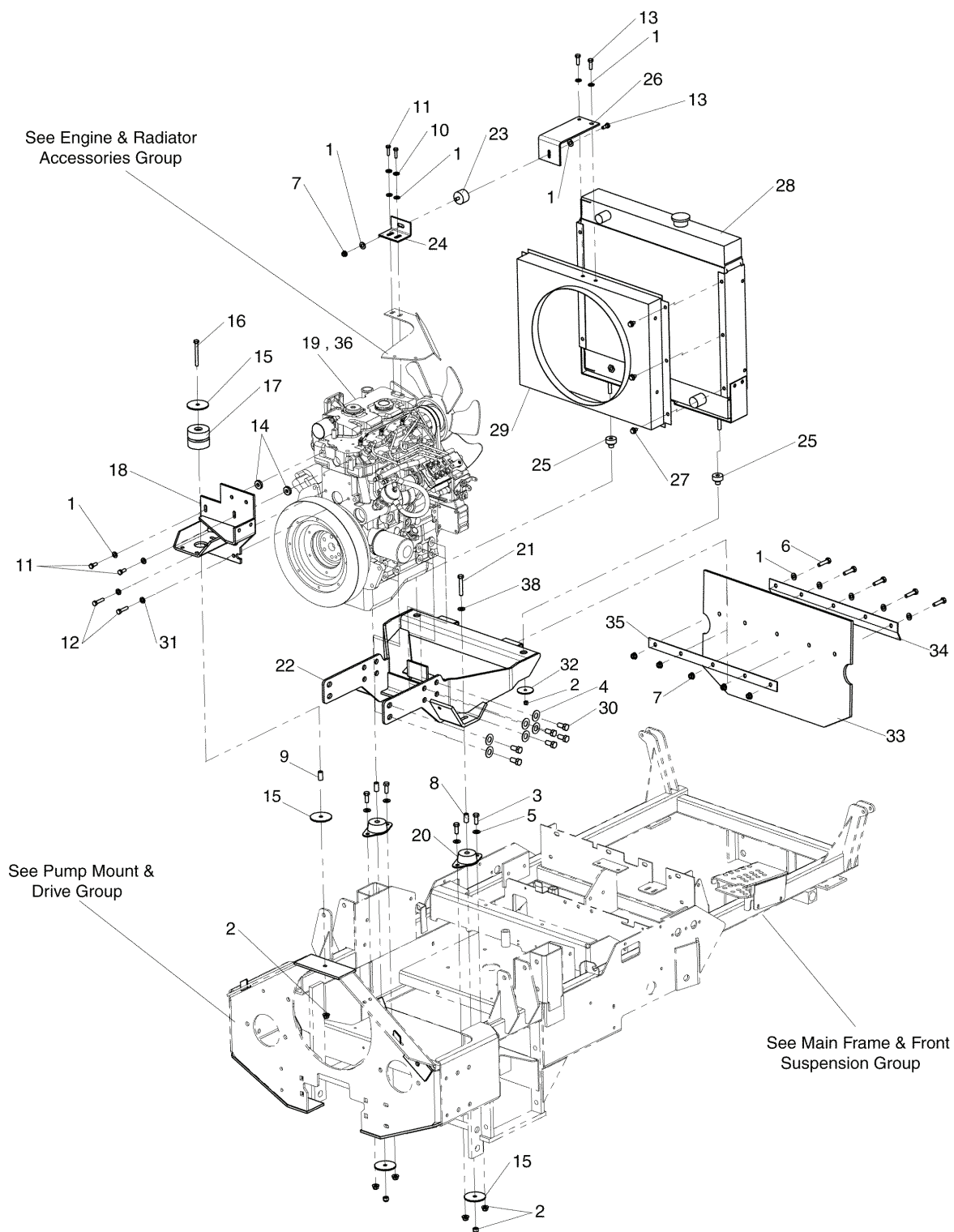
* Order 5025499 (1) & 5101524 (1) when replacing 5100041

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

5900995 (IS5100ZC33DCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5900507 (IS5100ZC33D ANSI)

Engine & Mount Group

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



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

5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)

Engine & Mount Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025155	12	WASHER, 5/16" SAE
2	5025394	9	NUT, 3/8-16 HEX NYLOCK FLANGE
3	5025013X8	4	BOLT, 3/8-16 X 1" GD5 YZ
4	5025150	12	WASHER, 1/2" USS
5	5025156	9	WASHER, 3/8" SAE
6	5025011X8	5	BOLT, 5/16-18 X 1" GD5 YZ
7	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE
8	5044959	2	SPACER, .38 X .50 X 1.00
9	5047380	1	SPACER, .38 X .62 X 1.62
10	5025170	2	WASHER, 5/16" LOCK
11	5025359	3	BOLT, M10-1.5 X 16MM GD8.8
12	5025358	2	BOLT, M10-1.5 X 30MM GD8.8
13	5025011X6	7	BOLT, 5/16-18 X 3/4" GD5
14	5044960	2	SPACER, .39 X 1.00 X .25
15	5047381	4	WASHER, .39 X 2.50 X .125
16	5025013X24	1	BOLT, 3/8-16 X 3" GD5 YZ
17	5022897	1	ISO-MOUNT, REAR
18	5400578B	1	WELD,MOTOR MOUNT, UPPER - RED
19	-	1	* ENGINE,CAT DIESEL#3013C, TIER 3 (S/N: 2013262991 & Below)
20	5022896	2	ISO-MOUNT, ENGINE
21	5025013X18	2	BOLT, 3/8-16 X 2-1/4" GD5 YZ
22	5400294B	1	WELD, RADIATOR MOUNT - RED
23	5023130	1	MOUNT,ISO,TOP,RAD 5000Z-DIESEL
24	5400899B	1	MOUNT, RADIATOR, ENGINE - RED (2 piece)
25	5023131	2	MOUNT, ISO, BOTTOM, RAD 5000Z-DIESEL
26	5400898B	1	MOUNT, RADIATOR, ENGINE - RED
27	5023158	5	BOLT, 5/16-18 X 1/2" FLANGE, SPEC
28a	5023127	1	** RADIATOR,5000Z,DIESEL (S/N: 2015214824 & Below)
28b	5102738	1	RADIATOR, IS5100Z, DIESEL (Includes #'s 39-41) (S/N: 2015214825 & Above)
29	5023128	1	** SHROUD, RADIATOR, 5000Z-DIESEL (S/N: 2015214824 & Below)
30	5025383	12	BOLT, M14-1.5 X 25MM
31	5025336	2	WASHER, LOCK, 10MM
32	5025305	2	WASHER, .41 X 1.75 X .14
33	5100296	1	SEAL, RADIATOR LOWER
34	5048564B	1	PLATE, RETAINING OUTER - RED
35	5048565B	1	PLATE, RETAINING - RED
36	-	1	* ENGINE, CAT DIESEL, TIER 4 (S/N: 2013262992 & Above)
37	5101492	1	TIE WRAP, 24" LONG (Not Shown)
38	5100548	2	WASHER, .390 X 1.50 X .109, YZ
39	5102738X1	1	RADIATOR ONLY (Not Shown - S/N: 2015214825 & Above - SV)
40	5102738X2	1	SHROUD, RADIATOR (Not Shown - S/N: 2015214825 & Above - SV)
41	5102738X3	1	CAP, RADIATOR (Not Shown - S/N: 2015214825 & Above - SV)

Footnotes

* See your local Caterpillar distributor for parts & service.

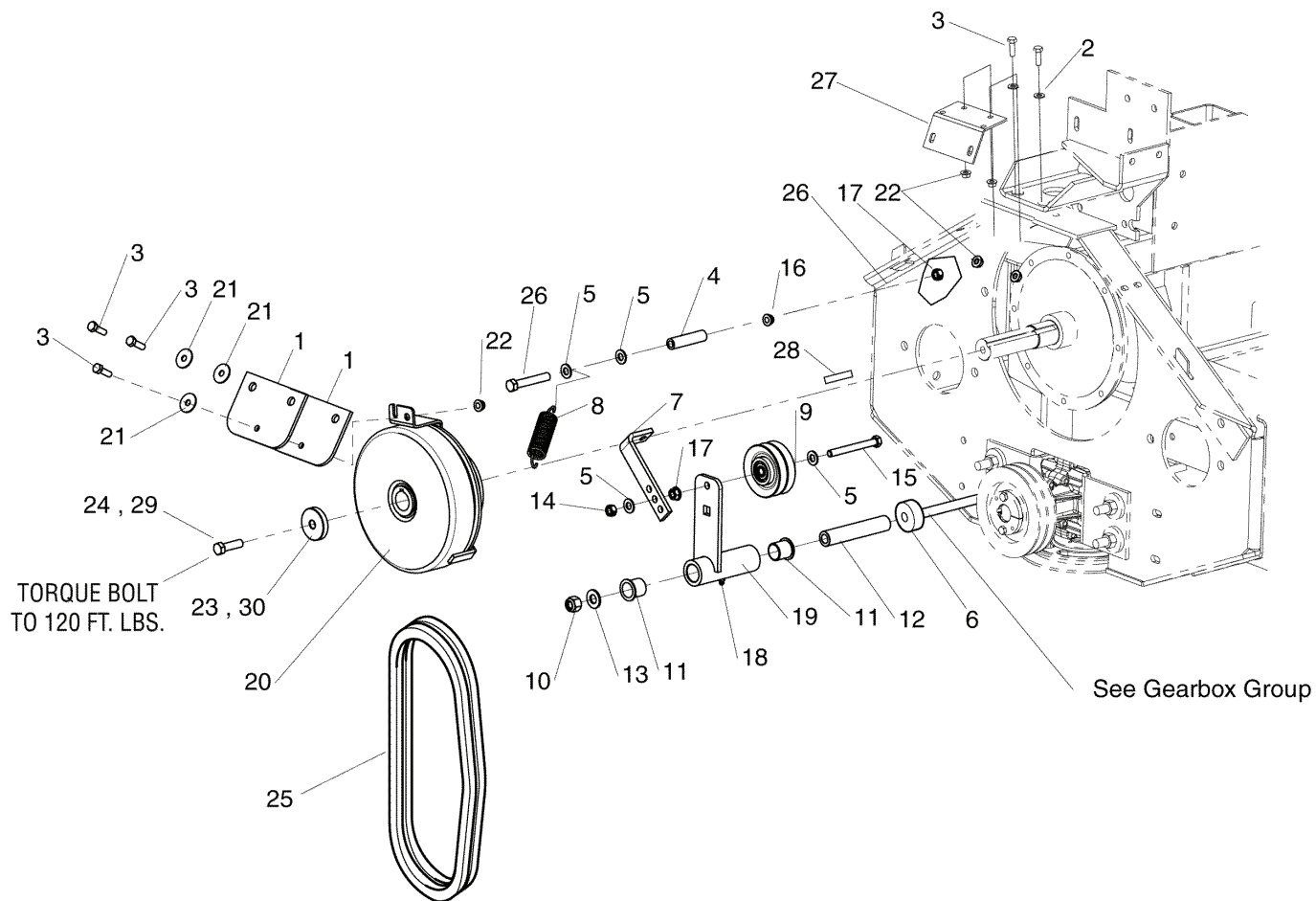
** 5023127 & 5023128 replaced together by 5102738.

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

5901013 (IS5100ZC33D61)
 5901011 (IS5100ZC33D)
 5900979 (IS5100Z/C33D61 ANSI)
 5900507 (IS5100ZC33D ANSI)
 5900996 (IS5100ZC33D61RDCE)
 5900995 (IS5100ZC33DCE)

PTO Clutch & Anchor Group

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



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

5900507 (IS5100ZC33D ANSI)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)
5900979 (IS5100Z/C33D61 ANSI)
5900995 (IS5100ZC33DCE)

PTO Clutch & Anchor Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5043636	2	CLUTCH ANCHOR PAD
2	5025155	2	WASHER, 5/16" SAE
3	5025011X8	5	BOLT, 5/16-18 X 1" GD5
4	5050860X2P5	1	HOSE, 3/8" PUSH-LOCK, 2.5"
5	5025156	4	WASHER 3/8" SAE
6	5100314	1	SPACER, .51 X 1.75 X.63
7	5401085B	1	MOUNT, IDLER SPRING
8	1608395	1	SPRING-EXTN 1.040ODX 04.000LG .105WIRE D
9	5022797	1	PULLEY, IDLER DOUBLE-A
10	5025056	1	NUT, 1/2-13 HEX NYLON LOCK
11	5022250	2	BUSHING, FLANGE, 7/8" X 1" L
12	5045305	1	SLEEVE, A-ARM PIVOT - LONG
13	5025158	1	WASHER, 1/2" SAE
14	5025100	1	NUT, 3/8-16 SIDE LOCK
15	5025013X24	1	BOLT, 3/8-16 X 3" GD5
16	5025128	1	NUT, 3/8-16 HEX LG. SERR FLG
17	5025394	2	NUT, 3/8-16 NYLOCK FLANGE
18	5025447	1	GREASE FITTING, 1/4-28, 90 DEGREE
19	5046565B	1	WELD, CLUTCH BELT IDLER
20	5100040	1	CLUTCH WARNER,1-1/4"GT300IXR-0
21	5044617	3	WASHER, .34 X 1.25 X10 GA
22	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE
23	5101524	1	SPACER, .515 X 1.875 X .375 (S/N: 2013262992 & Above)
24	5102854	1	BOLT, CRANKSHAFT, 1/2-20 X 1-3/4" GD8 YZ (S/N: 2013262992 & Above)
25	5022575	1	BELT, HA X 36.6, SET
26	5025013X32	1	BOLT, 3/8-16 X 4" GD5 YZ
27	5047563	1	ANCHOR, CLUTCH
28	5050407X2	1	KEY, 1/4" SQ. X 3"
29	5045473	1	BOLT, CRANKSHAFT, 7/16 X 1-1/2" (S/N: 2013262991 & Below)
30	5045475	1	SPACER, .45 X 1.88 X .38 (S/N: 2013262991 & Below)

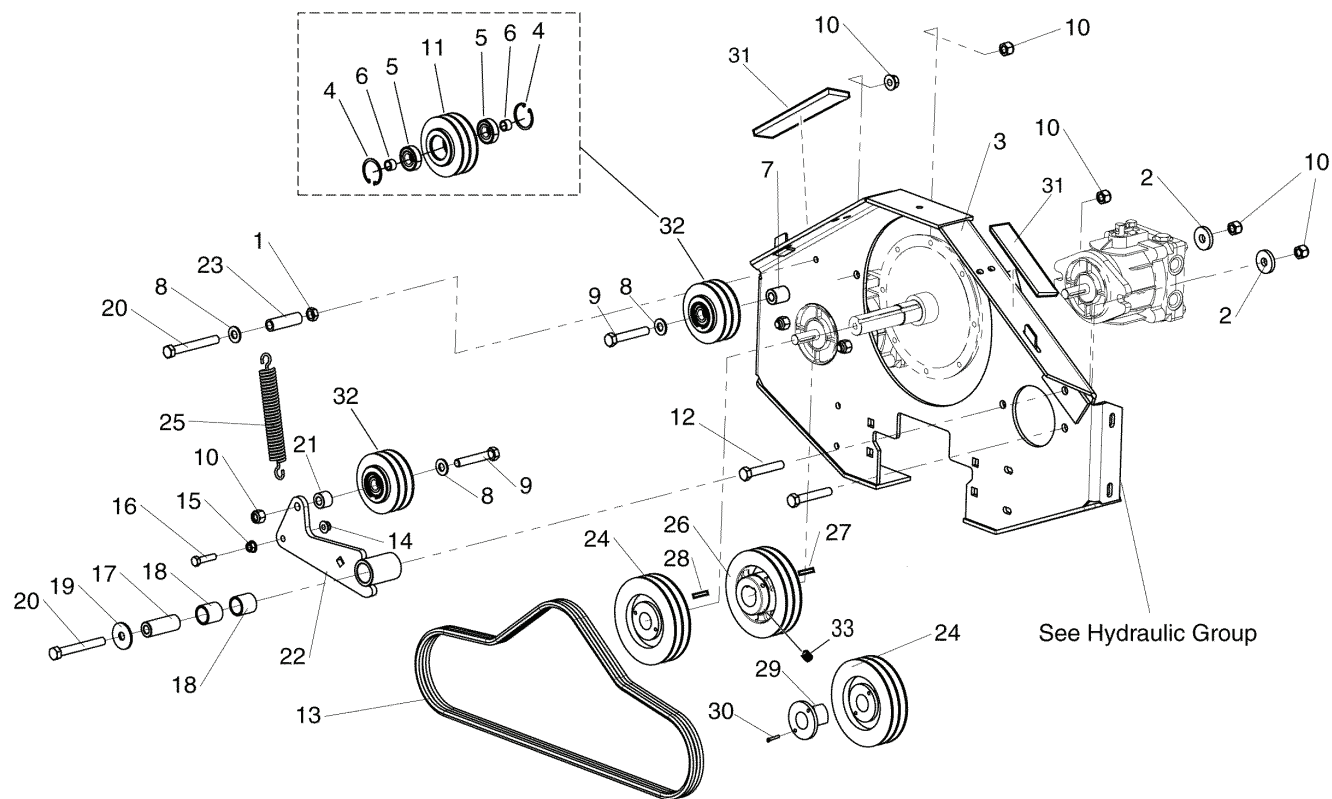
Footnotes

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

5900507 (IS5100ZC33D ANSI)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)
5900979 (IS5100Z/C33D61 ANSI)
5900995 (IS5100ZC33DCE)

Pump Mount & Drive Group

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



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

5901013 (IS5100ZC33D61)
 5900995 (IS5100ZC33DCE)
 5900979 (IS5100Z/C33D61 ANSI)
 5901011 (IS5100ZC33D)
 5900996 (IS5100ZC33D61RDCE)
 5900507 (IS5100ZC33D ANSI)

Pump Mount & Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025301	1	NUT, 1/2-13 HEX JAM
2	5044913	4	WASHER, FRAME RETAINING
3	5400239B	1	WELD, PUMP PLATE IS5000 - RED
4	5020865	4	SNAP RING, INTERNAL
5	5020827	4	BEARING, IDLER
6	5020870	4	INSERT, BEARING
7	5061781	1	SPACER, .52 X 1.00 X 1.15
8	5025158	5	WASHER, 1/2" SAE
9	5025017X26	2	BOLT, 1/2-13 X 3-1/4" GD5
10	5025098	1	NUT, 1/2-20 HEX NYLOCK
11	5023390	2	PULLEY, A SECTION, 4" IDLER
12	5025018X32	4	BOLT, 1/2-20 X 4" GD5 YZ
13	5023388	1	BELT, 66.5" # 7-8672, SET
14	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
15	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
16	5025013X12	1	BOLT, 3/8-16 X 1-1/2" GD5 YZ
17	5400022	1	SPACER, .52 X .99 X 2.55, SS
18	5022157	2	BUSHING, BRASS, 1.25X1X1.25
19	5025415	1	WASHER, .50 X 1.75 X .13
20	5025017X32	1	BOLT, 1/2-13 X 4 GD5 YZ
21	5045178	1	SPACER, .52 X 1.00 X .75
22	5061368B	1	WELD, IDLER ARM
23	5050857X2P5	1	HOSE, 1/2" PUSH-ON 2.50"
24	5022382	2	PULLEY, Pump Drive
25	5022847	1	SPRING, EXTENSION, SWIVEL END
26	5100854	1	PULLEY, PUMP DRIVE
27	5050404X4	1	KEY, 5/16" SQ. X 1.464" RD ENDS
28	5022156	2	KEY, 5MM SQ. X 25MM
29	5022383	2	BUSHING, 17MM, HQ
30	5025010X8	4	BOLT, 1/4-20X1"
31	5021877	2	PAD, RUBBER
32	5600200	3	ASSM, PULLEY IDLER (Includes Ref Nos 4-6 & 11)
33	5025531	2	SET SCREW, 5/16-18 X 3/8, KNUURL, W/PATCH

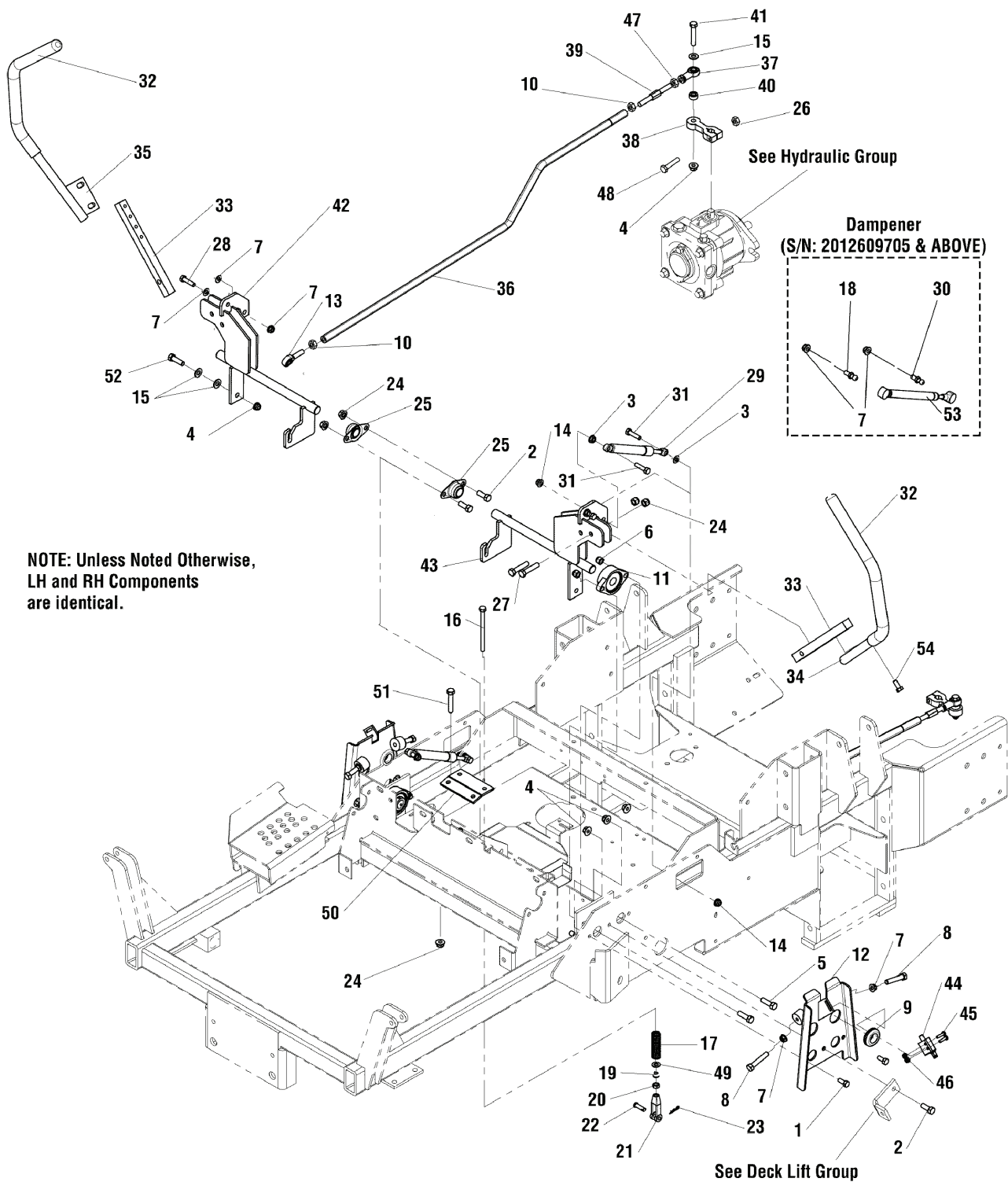
Footnotes

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

5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)
5900507 (IS5100ZC33D ANSI)

Motion Control Group

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



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

5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)

Motion Control Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025011X6	6	BOLT, 5/16-18 X 3/4" GD5
2	5025011X8	2	BOLT, 5/16-18 X 1" GD5 YZ
3	5025355	4	NUT, M8-1.25 SERR. FLANGE, CZ (S/N: 2012609704 & BELOW)
4	5025392	10	NUT, 5/16-18 HEX NYLOCK FLANGE
5	5025327	4	BOLT, 3/8-16 X 1-1/4 SHCS
6	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
7	5025139	10	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
8	5025055X18	4	BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ
9	5021397	2	GROMMET, 1-1/4
10	5025317	4	NUT, 3/8-24 HEX, LH
11	5021499	2	BEARING, FLANGE
12	5048531B	2	WELD, PLATE, NEUTRAL CONTROL
13	5021124	2	BALL JOINT, 3/8-24 MALE
14	5025354	4	NUT, M8-1.25 NYLON LOCK, CZ
15	5025156	6	WASHER, 3/8" SAE
16	5047137	2	BOLT, 5/16-24 X 4.25" GD5 YZ
17	5022645	2	SPRING, REVERSE RETURN
18	5101307	2	BALL STUD 10MM 5/16-18 X 3/4" (S/N: 2012609705 & ABOVE)
19	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
20	5025033	2	NUT, 5/16-24 HEX
21	5023323	2	CLEVIS, 5/16-24, STEEL
22	5025213X8	2	PIN, CLEVIS, 5/16" X 1
23	5025203X10	2	PIN, COTTER, 1/8" X 1-1/4
24	5025394	8	NUT, 3/8-16 HEX NYLOCK FLANGE
25	5021098	2	BEARING, BRONZE FLANGE, 3/4
26	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE
27	5025013X14	4	BOLT, 3/8-16 X 1-3/4" GD5
28	5025011X10	2	BOLT, 5/16-18 X 1-1/4" GD5 YZ
29	5022978	2	DAMPENER (S/N: 2012609704 & BELOW)
30	5100941	2	BALL STUD 10MM 5/16-18 X 1/2" (S/N: 2012609705 & ABOVE)
31	5025335	4	BOLT, M8-1.25 X 35MM, GD8.8 (S/N: 2012609704 & BELOW)
32	5022068	2	GRIP, FOAM, 3/4" ID, 16" LONG
33a	5103106A	2	MOUNT, CONTROL ARM - BLK
33b	5047004A	2	MOUNT, CONTROL ARM - BLK
34	5047410B	1	WELD, HANDLE MOTION CONTROL, LH - RED (S/N: 2015470928 & ABOVE)
35	5047411B	1	WELD, HANDLE MOTION CONTROL, RH - RED (S/N: 2015470927 & BELOW)
36	5400712B	2	CONTROL ROD, IS5000Z
37	5022392	2	ROD END, 3/8-24 LH FEMALE
38	5045863	2	ARM, PUMP CONTROL (21 SERIES)
39	5046534	2	LINK, ADJUSTABLE, SHORT
40	5044933	2	SPACER, .39 X .75 X .38

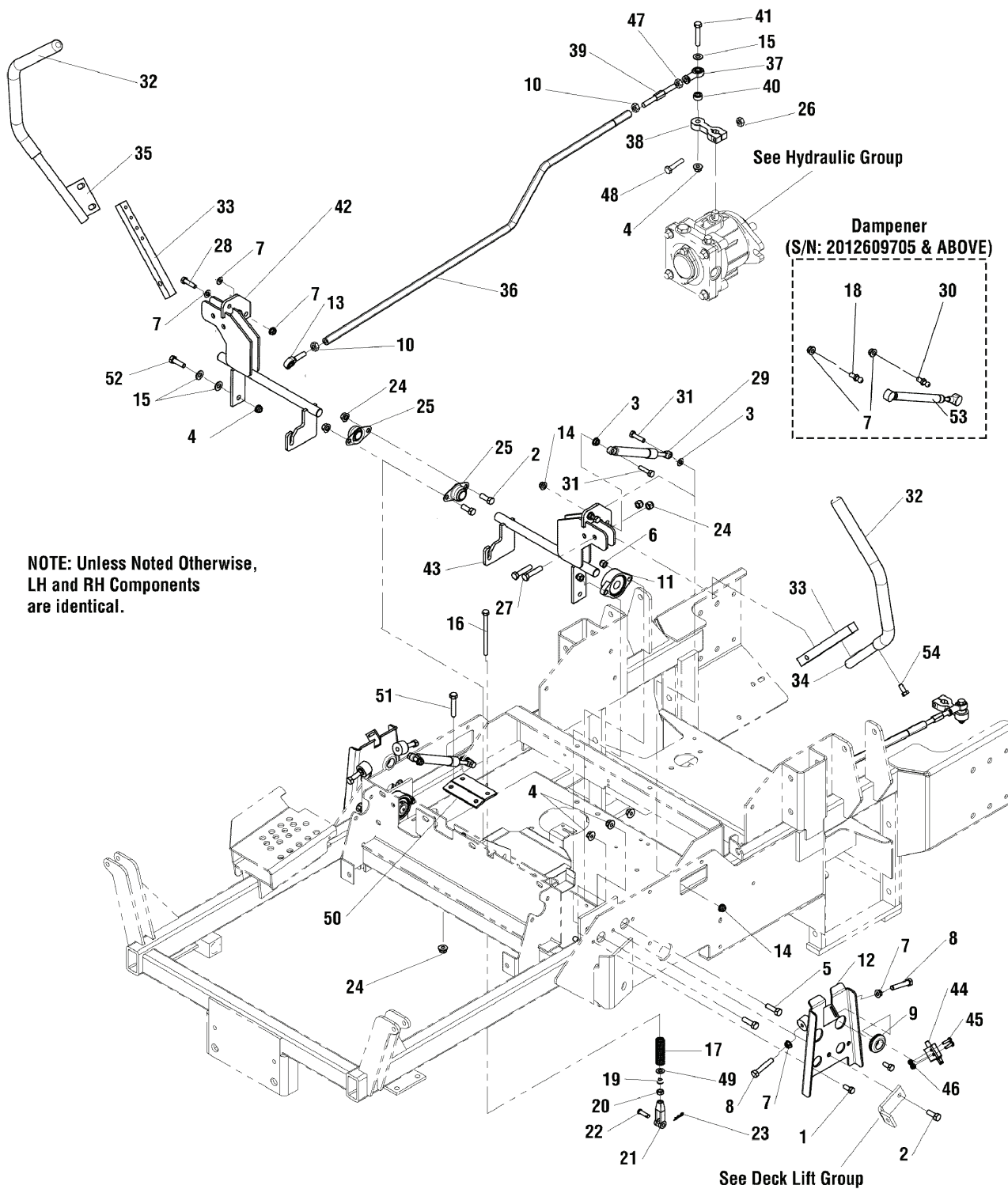
Footnotes

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

5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)

Motion Control Group

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



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

5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)

Motion Control Group

REF NO	PART NO.	QTY.	DESCRIPTION
41	5025013X16	2	BOLT, 3/8-16 X 2" GD5 YZ
42	5400686B	1	WELD, CONTROL SHAFT - RH - RED
43	5400685B	1	WELD, CONTROL SHAFT - LH - RED
44	5021451	2	SWITCH, PLUNGER, N.O.
45	5025179X6	4	SCREW, #10-24 X 3/4" ROUND SLOTTED
46	5025271	4	NUT, #10-24 HEX NYLON LOCK
47	5025035	2	NUT, 3/8-24 HEX
48	5025010X14	2	BOLT, 1/4-20 X 1-3/4" GD5 YZ
49	5025337	2	WASHER, 5/16" USS
50	5047401B	1	PLATE, RETURN TO NEUTRAL - RED
51	5025013X8	2	BOLT, 3/8-16 X 1" GD5 YZ
52	5025013X12	2	BOLT, 3/8-16 X 1-1/2" GD5 YZ
53	5100940	2	DAMPENER, CONTROL (S/N: 2012609705 & ABOVE)
54	1930591	2	SCREW-HEX WZ LOCK FLNG 5/16-18X0.750BLK

Footnotes

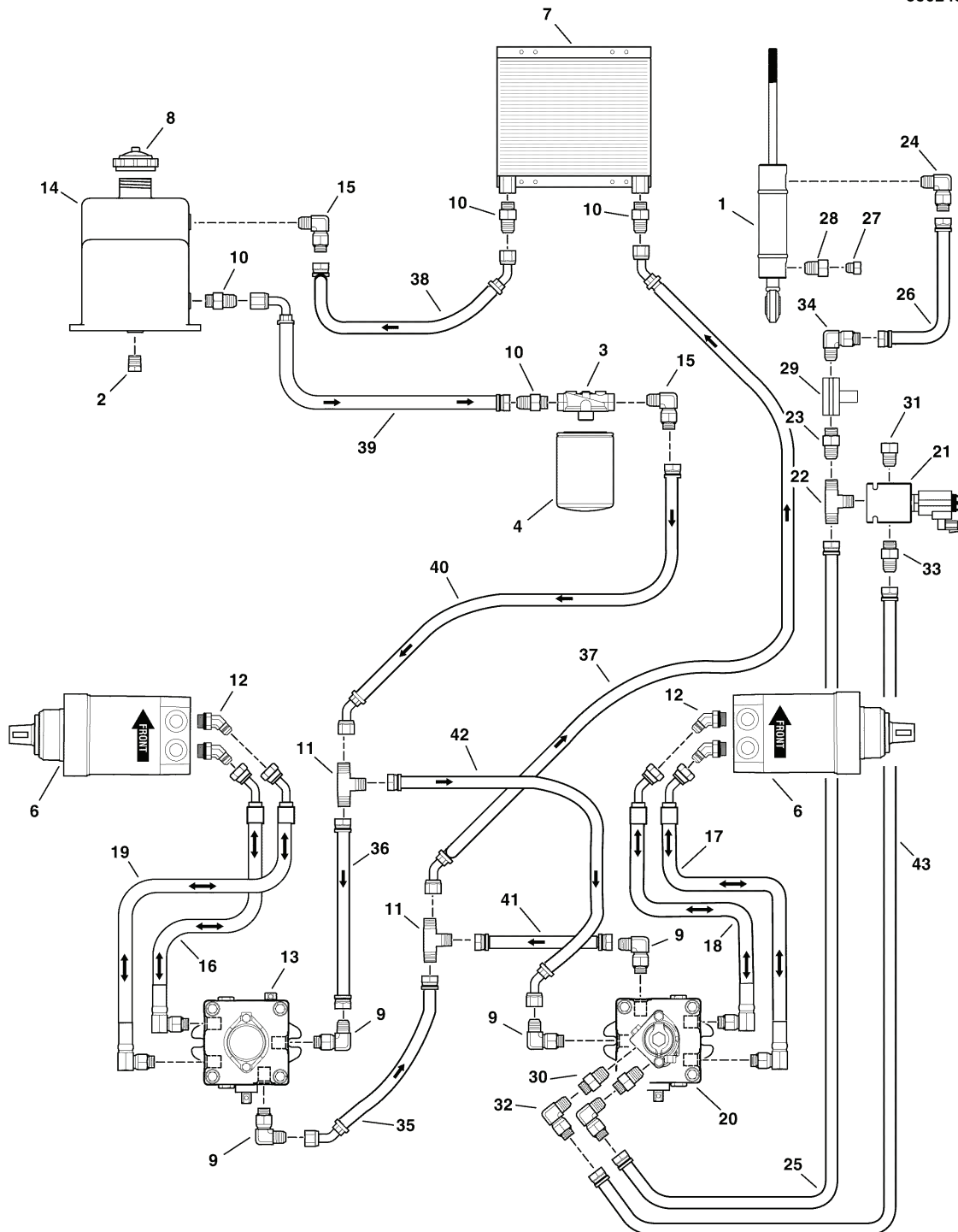
The above parts group applies to the following Mfg. Nos.:

5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)

Hydraulic Group - S/N: 2015381236 & Below

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

5302457



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

5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)

Hydraulic Group - S/N: 2015381236 & Below

REF NO	PART NO.	QTY.	DESCRIPTION
1	1737057	1	* CYLINDER-HYDRAULIC STRG CONQ, PREST 2009
2	5020986	1	PLUG, 1/2NPT, SQUARE HEAD
3	5021356	1	FILTER HEAD
4	5021357X1	1	FILTER, HYDRAULIC
5	5021397	2	GROMMET, 1-1/4 (NOT SHOWN)
6	5022368	2	WHEEL MOTOR-TF0405UB080AADD MB 25
7	5022377	1	OIL COOLER 1.5 X 8.5 X 11
8	5022437	1	CAP, 2-1/2 VENTED
9	5022599	4	FITTING, #8 JIC - #8 O-RING, 90 DEG.
10	5022601	4	FITTING, #8 JIC - 1/2 NPT, STRAIGHT
11	5022604	2	FITTING T JIC #8
12	5022709	4	FITTING, #8 JIC - #10 O-RING, 45 DEG.
13	5023402	1	PUMP, HYDROSTATIC - PW - 1ACC
14	5045872	1	HYDRAULIC RESERVIOR
15	5100311	2	HYDRALIC FITTING, MALE ELBOW
16	5102100	1	HOSE ASSEMBLY, (27) HP, 45 & 90 ENDS, LH
17	5102101	1	HOSE ASSEMBLY, (27) HP, 45 & 90 ENDS, RH
18	5102102	1	HOSE ASSEMBLY, (29) HP, 45 & 90 ENDS, RH
19	5102103	1	HOSE ASSEMBLY, (29) HP, 45 & 90 ENDS, LH
20	5102759	1	PUMP, DECK LIFT, PW-1DCC-QY1X-XXXX
21	5102930	1	VALVE, HYD, 2 POS, 3 WAY
22	5102931	1	FITTING, TEE, #6 ORING TO #6JIC, MALE
23	5102932	1	FITTING, STR, 1/4NPT MALE - #6JIC SWIVEL
24	5102933	1	FITTING, 90DEG, #6 JIC TO #6 ORING MALE
25	5102934	1	HOSE, ASM, 41.5", IS5100 DECK LIFT
26	5102935	1	HOSE ASM, 28", IS5100 DECK LIFT
27	5102936	1	BREATHER VENT, 1/4" NPT
28	5102937	1	FITTING, STR, #6 ORING MALE - 1/4NPT FEM
29	5102938	1	NEEDLE VALVE, 1/4" NPT
30	5102939	2	FITTING, STR, #6JIC TO #4 ORING, MALE
31	5102940	1	FITTING, PLUG, #6 ORING
32	5102944	2	FITTING, 90DEG, #6 JIC MALE-#6JIC SWIVEL
33	5102966	1	FITTING, #6JIC-#6 ORING, STR. MALE-MALE
34	5102967	1	FITTING,90 ELBOW, #6JIC-1/4NPT MALE-MALE
35	5401075	1	HOSE ASSEMBLY (9) LP, ST & 45 ENDS
36	5401076	1	HOSE ASSEMBLY (16.5) LP, ST & ST ENDS
37	5401077	1	HOSE ASSEMBLY (64) LP, 45 & 45 ENDS
38	5401078	1	HOSE ASSEMBLY (64) LP, ST & 45 ENDS
39	5401079	1	HOSE ASSEMBLY (21.5) LP, ST & 90 ENDS
40	5401080	1	HOSE ASSEMBLY (24.5) LP, ST & 45 ENDS
41	5401103	1	HOSE ASSEMBLY (15) LP, ST & ST ENDS

Footnotes

* If this machine was updated with Kit # 5600583 then please refer to Hydraulic Group - S/N: 2015381237 & Above.

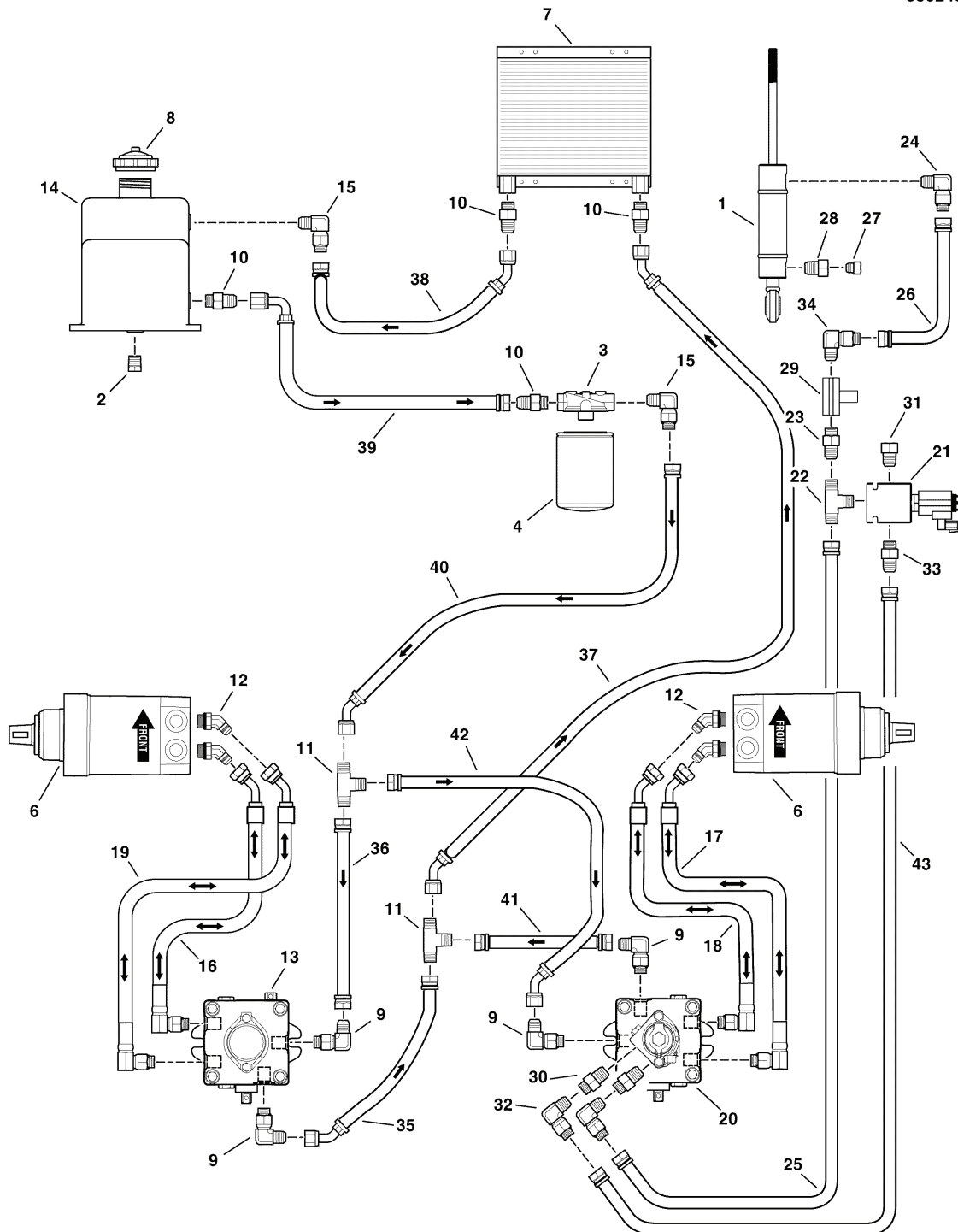
The above parts group applies to the following Mfg. Nos.:

5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)

Hydraulic Group - S/N: 2015381236 & Below

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

5302457



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

5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)

Hydraulic Group - S/N: 2015381236 & Below

REF NO	PART NO.	QTY.	DESCRIPTION
42	5401104	1	HOSE ASSEMBLY (7) LP, 4 ST & 45 ENDS
43	5407753	1	HOSE ASSEMBLY (36.5) LP, ST & ST ENDS

Footnotes

* If this machine was updated with Kit # 5600583 then please refer to Hydraulic Group - S/N: 2015381237 & Above.

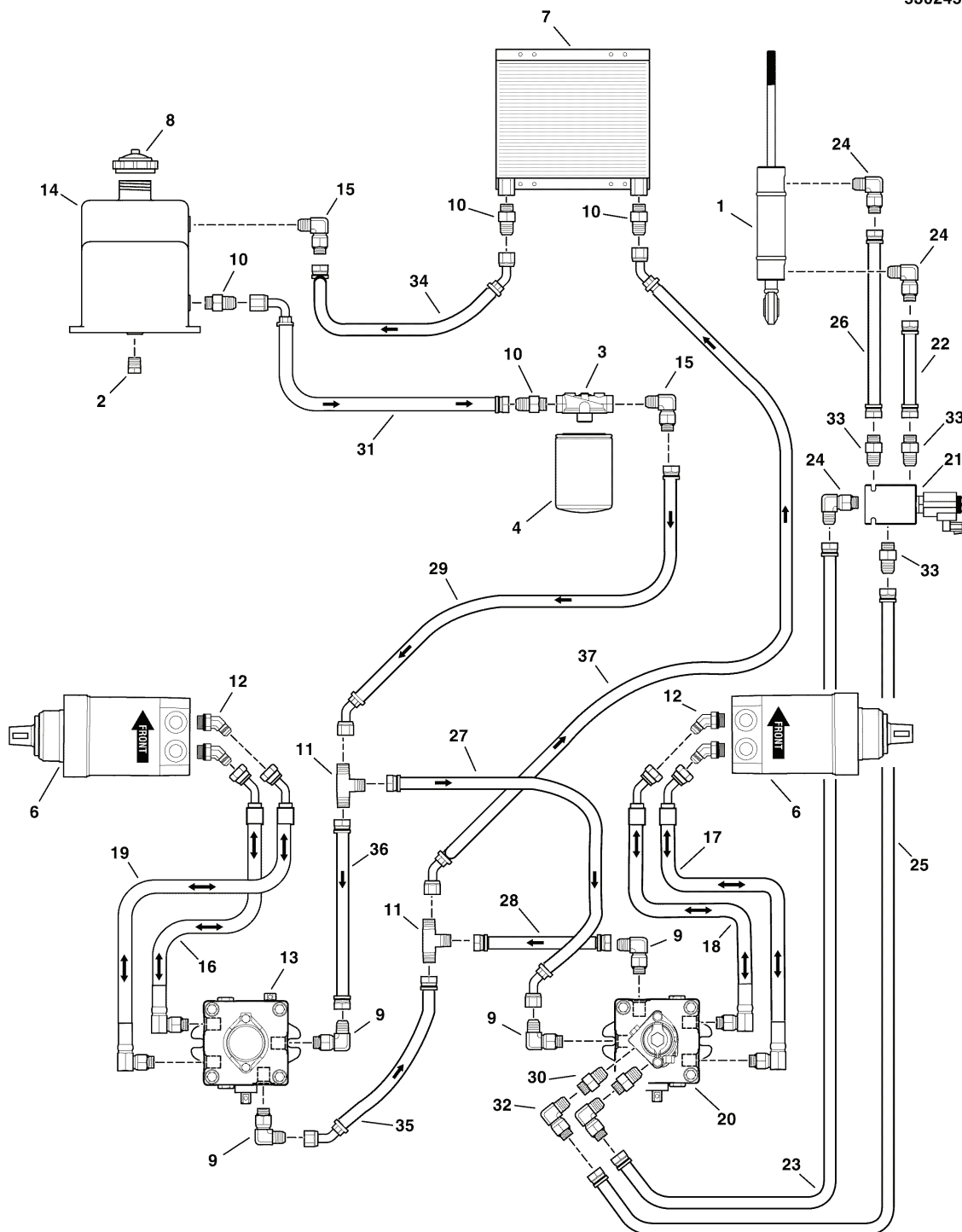
The above parts group applies to the following Mfg. Nos.:

5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)

Hydraulic Group - S/N: 2015381237 & Above

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

5302457



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

5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5900996 (IS5100ZC33D61RDCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5901013 (IS5100ZC33D61)

Hydraulic Group - S/N: 2015381237 & Above

REF NO	PART NO.	QTY.	DESCRIPTION
1	5103353	1	CYL, HYD, 1.5 BORE X 5.5 STROKE
2	5020986	1	PLUG, 1/2NPT, SQUARE HEAD
3	5021356	1	FILTER HEAD
4	5021357X1	1	FILTER, HYDRAULIC
5	5021397	2	GROMMET, 1-1/4 (NOT SHOWN)
6	5022368	2	WHEEL MOTOR-TF0405UB080AADD MB 25
7	5022377	1	OIL COOLER 1.5 X 8.5 X 11
8	5022437	1	CAP, 2-1/2 VENTED
9	5022599	4	FITTING, #8 JIC - #8 O-RING, 90 DEG.
10	5022601	4	FITTING, #8 JIC - 1/2 NPT, STRAIGHT
11	5022604	2	FITTING T JIC #8
12	5022709	4	FITTING, #8 JIC - #10 O-RING, 45 DEG.
13	5023402	1	PUMP, HYDROSTATIC - PW - 1ACC
14	5045872	1	HYDRAULIC RESERVIOR
15	5100311	2	HYDRALIC FITTING, MALE ELBOW
16	5102100	1	HOSE ASSEMBLY, (27) HP, 45 & 90 ENDS, LH
17	5102101	1	HOSE ASSEMBLY, (27) HP, 45 & 90 ENDS, RH
18	5102102	1	HOSE ASSEMBLY, (29) HP, 45 & 90 ENDS, RH
19	5102103	1	HOSE ASSEMBLY, (29) HP, 45 & 90 ENDS, LH
20	5102759	1	PUMP, DECK LIFT, PW-1DCC-QY1X-XXXX
21	5103310	1	VALVE, HYD, 4 WAY, 2 POSITION
22	5409076	1	HOSE ASSEMBLY (20.5) LP, ST & ST END
23	5407753	1	HOSE ASSEMBLY (36.5) LP, ST & ST ENDS
24	5102933	3	FITTING, 90DEG, #6 JIC TO #6 ORING MALE
25	5102934	1	HOSE, ASM, 41.5", IS5100 DECK LIFT
26	5102935	1	HOSE ASM, 28", IS5100 DECK LIFT
27	5401104	1	HOSE ASSEMBLY (7) LP, 4 ST & 45 ENDS
28	5401103	1	HOSE ASSEMBLY (15) LP, ST & ST ENDS
29	5401080	1	HOSE ASSEMBLY (24.5) LP, ST & 45 ENDS
30	5102939	2	FITTING, STR, #6JIC TO #4 ORING, MALE
31	5401079	1	HOSE ASSEMBLY (21.5) LP, ST & 90 ENDS
32	5102944	2	FITTING, 90DEG, #6 JIC MALE-#6JIC SWIVEL
33	5102966	3	FITTING, #6JIC-#6 ORING, STR. MALE-MALE
34	5401078	1	HOSE ASSEMBLY (64) LP, ST & 45 ENDS
35	5401075	1	HOSE ASSEMBLY (9) LP, ST & 45 ENDS
36	5401076	1	HOSE ASSEMBLY (16.5) LP, ST & ST ENDS
37	5401077	1	HOSE ASSEMBLY (64) LP, 45 & 45 ENDS

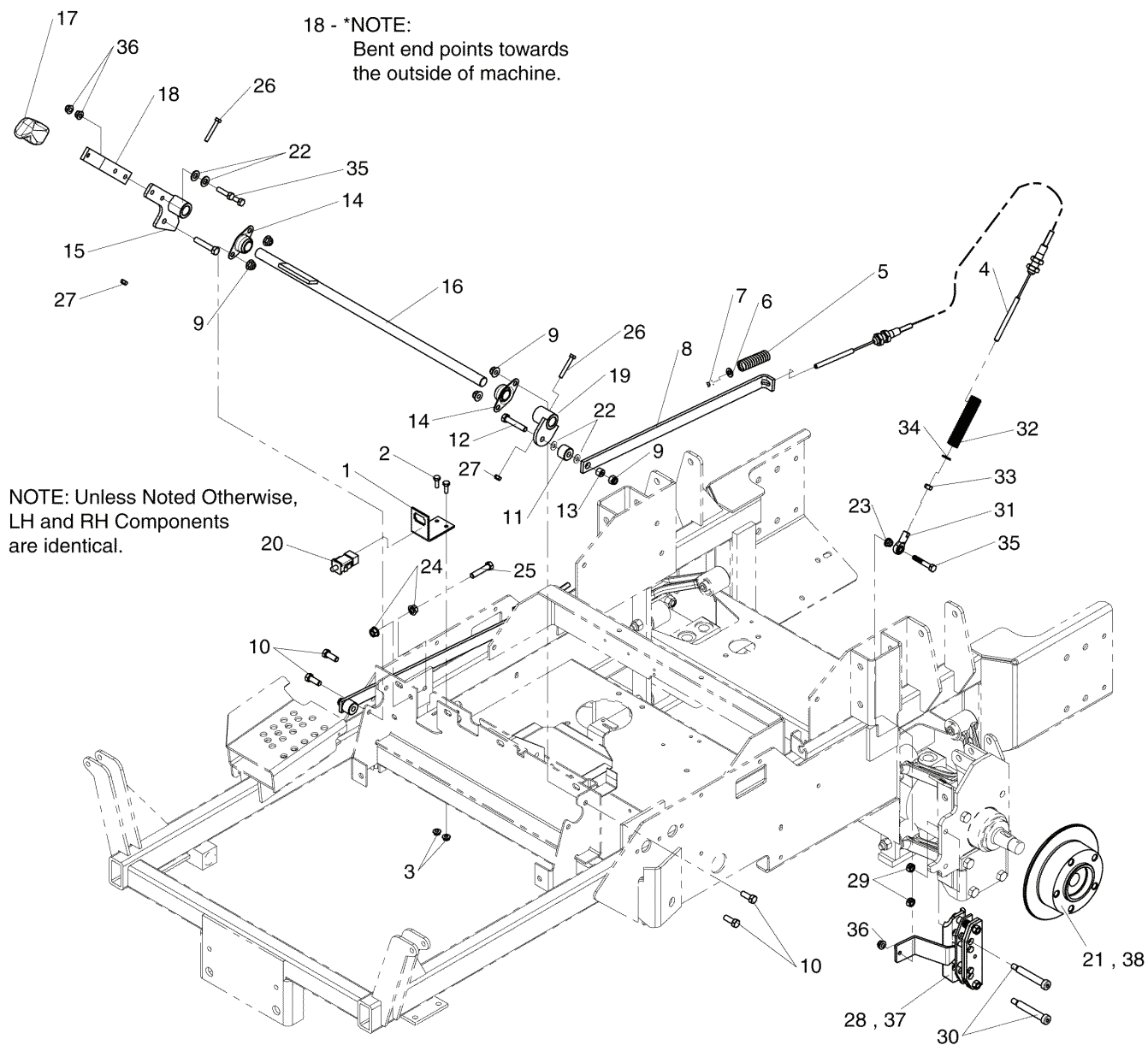
Footnotes

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

5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5900996 (IS5100ZC33D61RDCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5901013 (IS5100ZC33D61)

Parking Brake Group

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



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

5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)
5900507 (IS5100ZC33D ANSI)

Parking Brake Group

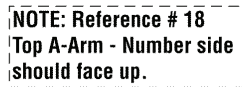
REF NO	PART NO.	QTY.	DESCRIPTION
1	5400726B	1	BRACKET, SWITCH MOUNT - RED
2	5025010X6	2	BOLT, 1/4-20 X 3/4" GD5 YZ
3	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
4	5023324	2	CABLE, PARKING BRAKE
5	5022361	2	SPRING, BRAKE
6	5025155	4	WASHER, 5/16" SAE
7	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
8	5400804B	2	BRAKE, CABLE LINK - RED
9	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
10	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 YZ
11	5043815	2	SPACER, .39 X 1.00 X .75
12	5025013X16	2	BOLT, 3/8-16 X 2" GD5 YZ
13	5041930	2	SPACER, .38 X .50 X .27
14	5021098	2	BEARING, BRONZE FLANGE, 3/4
15	5400723B	1	WELD, PIVOT HANDLE MOUNT - RED
16	5400739B	1	WELD, SHAFT BRAKE LEVER - RED
17	5100171	1	GRIP, BLACK FLEXIBLE
18	5045619B	1	HANDLE, BRAKE LEVER
19	5045618A	1	PIVOT, LINKAGE MOUNT WELDMENT - BLK
20	5022182	1	SWITCH, PLUNGER, NO/NC SNAP-IN
21	5100775	2	HUB, BRAKE (S/N: 2000786068 & BELOW)
22	5025156	10	WASHER, 3/8" SAE
23	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
24	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE
25	5025058X16	1	BOLT, 3/8-16 X 2" GD5 TFL CZ
26	5025010X12	2	BOLT, 1/4-20 X 1-1/2", GD5
27	5025287	2	NUT, 1/4-20 HEX SIDE LOCK
28	5023299	2	CALIPER, MECHANICAL (S/N: 2000786068 & BELOW)
29	5025100	4	NUT, 3/8-16 HEX SIDE LOCK
30	5025400	4	BOLT, 3/8-16 x 2-3/4", 1/2" SHOULDER
31	5021146	2	BALL JOINT, 5/16-24, FEMALE
32	5023320	2	SPRING, COMPRESSION
33	5025033	2	NUT, 5/16-24 HEX
34	5025337	2	WASHER, 5/16" USS
35	5025011X8	4	BOLT, 5/16-18 X 1" GD5 YZ
36	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
37	5100774	2	COMPACT CALIPER, AUSCO (86978) (S/N: 2000786069 & ABOVE)
38	5100775	2	WHEEL HUB, COMPACT CALIPER (86720) (S/N: 2000786069 & ABOVE)

Footnotes

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

5900995 (IS5100ZC33DCE)
5900979 (IS5100Z/C33D61 ANSI)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)
5900507 (IS5100ZC33D ANSI)

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



**NOTE: Unless Noted Otherwise,
LH and RH Components
are identical.**

5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)
5900507 (IS5100ZC33D ANSI)
5900979 (IS5100Z/C33D61 ANSI)
5901011 (IS5100ZC33D)
5900996 (IS5100ZC33D61RDCE)

Rear Suspension Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025017X18	2	BOLT, 1/2-13 X 2-1/4" GD5 YZ
2	5025332	6	NUT, 1/2-13 HEX SIDE LOCK
3	5025018X24	4	BOLT, 1/2-20 X 3" GD5 YZ
4	5101927	12	NUT, 1/2-13 HEX NYLOCK FLANGE GR8 YZ (Torque to 110 ft lbs)
5	5025158	4	WASHER, 1/2" SAE
6	5025488X52	6	BOLT, 1/2-13 X 6-1/2" GD8 YZ
7	5049777	2	SPACER, .52 X 1.00 X 1.00
8	5061781	4	SPACER, .52 X 1.00 X 1.15
9	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT (not shown)
10	5025294X26	8	BOLT, 1/2-13 X 3-1/4" ALLEN HEAD
11	5400802B	1	SHIM, CABLE ANCHOR - LH - RED
12	5400803B	1	SHIM, CABLE ANCHOR, RH - RED (not shown)
13	5100332	4	SHIM, CAMBER - PLATED
14	5025017X16	2	BOLT, 1/2-13 X 2" GD5 YZ
15	5025018X14	4	BOLT, 1/2-20 X 1-3/4" GD5 YZ
16	5023384	2	SHOCK, REAR, IS4500
17	5100355	2	SHOCK/SPRING ASSEMBLY, IS5000 (2006)
18	*5101617	4	ASSM, A-ARM WITH BEARINGS
19	5400880A	2	MOUNT, A-ARM ADJUSTABLE - BLK
20	5400874B	1	WELD, MOTOR MOUNT, LH - RED
21	5400873B	1	WELD, MOTOR MOUNT, RH - RED (not shown)
22	5025098	12	NUT, 1/2-20 HEX NYLON LOCK
23	5025018X20	4	BOLT, 1/2-20 X 2-1/2" GD5 YZ
24	5044609	2	SPACER, .52 X 1.00 X .38
25	5025523	16	BELLEVILLE WASHER 1.259 X .512 X .138 YZ

Footnotes

to the bearing styles please order kit# 5600321.

When updating cast a-arms from rubber bushing styles

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

5901013 (IS5100ZC33D61)

5900995 (IS5100ZC33DCE)

5900507 (IS5100ZC33D ANSI)

5900979 (IS5100Z/C33D61 ANSI)

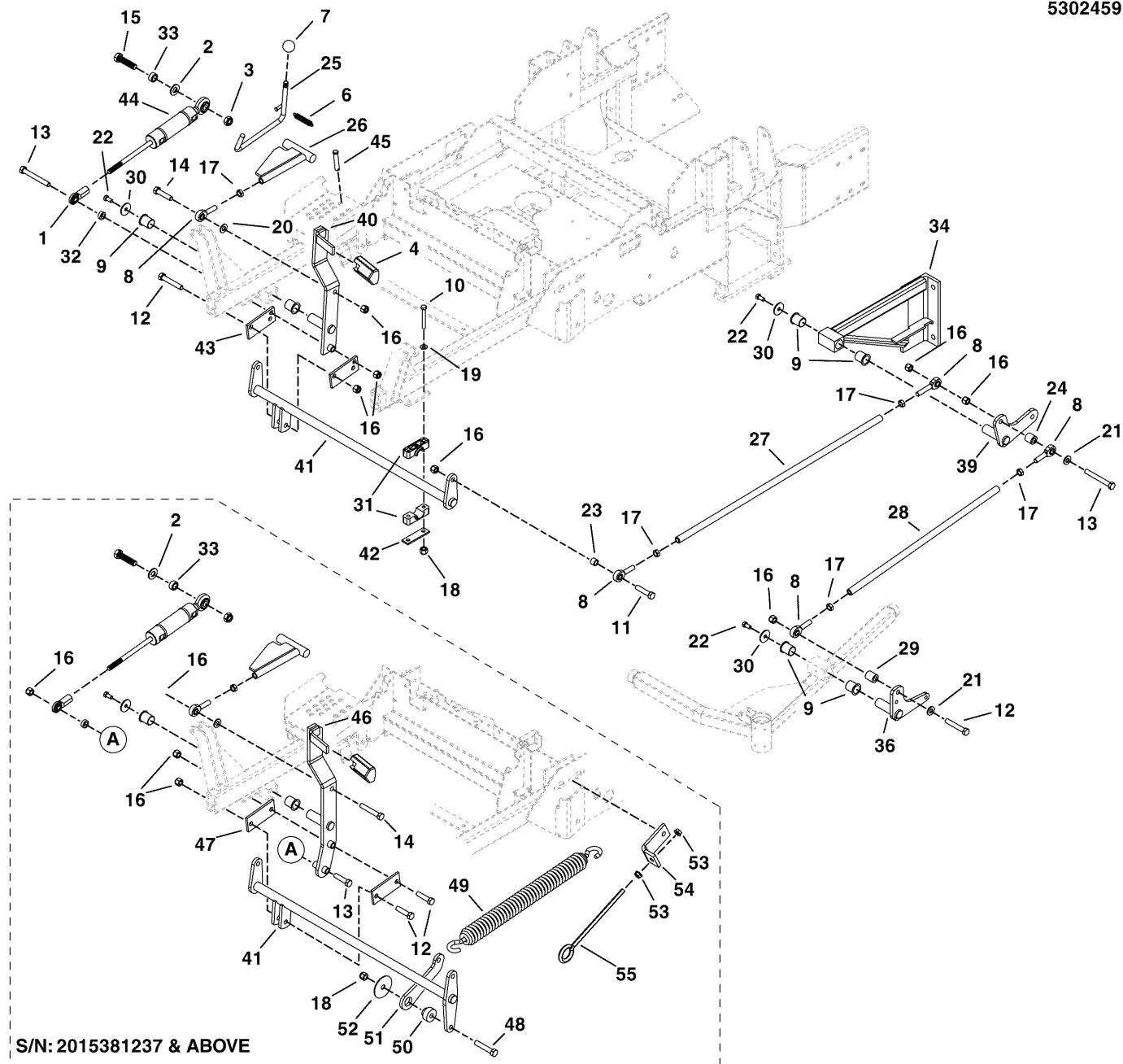
5901011 (IS5100ZC33D)

5900996 (IS5100ZC33D61RDCE)

Deck Lift Group

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

5302459



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

5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)

Deck Lift Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1702779	1	JOINT-BALL .500-20 THD .500ID BLK PLT
2	5025281	1	WASHER, 5/8 SAE
3	5025282	1	NUT, 5/8-11 HEX JAM NYLON LOCK
4	1715834	1	RUBBER, FOOT PEDAL
5	5020095	5	GREASE FITTING, 1/4-28 STRAIGHT
6	5020639	1	SPRING-EXT, .500 OD X 3.50 LG X .058 WR
7	5021733	1	KNOB, PLASTIC, 1/2-13
8	5022434	9	BALL JOINT, 1/2-20, MALE
9	5023343	10	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
10	5025013X22	4	BOLT, 3/8-16 X 2-3/4 GD5 YZ
11	5025017X18	2	BOLT, 1/2-13 X 2-1/4 GD5 YZ
12	5025017X24	1	BOLT, 1/2-13 X 3 GD5 YZ
13	5025017X32	2	BOLT, 1/2-13 X 4 GD5 YZ
14	5025017X12	1	BOLT, 1/2-13 X 1-1/2 GD5 YZ
15	5025019X20	1	BOLT, 5/8-11 X 2-1/2 GD5, CZ
16	5025056	6	NUT, 1/2-13 HEX NYLON LOCK
17	5025089	10	NUT, 1/2-20 HEX JAM
18	5025096	10	NUT, 3/8-16 HEX NYLON LOCK
19	5025156	12	WASHER, 3/8 SAE
20	5025158	1	WASHER, 1/2 SAE
21	5025440	4	WASHER, 1/2 GD9 YZ
22	5025443	5	BOLT, 3/8-16 X 3/4, GD5, YZ WITH PATCH
23	5047027	4	SPACER, .51 X .75 X .56, CZ
24	5049777	2	SPACER, .52 X 1.00 X 1.00
25	5061116B	1	WELD, ROD DECK LIFT
26	5061119B	1	WELD, DECK ADJUST LINK
27	5061349	2	ROD, DECK LIFT INNER
28	5061350	2	ROD, DECK LIFT OUTER
29	5061781	2	SPACER, .52 X 1.00 X 1.15
30	5100548	5	WASHER, .390 X 1.50 X .109, YZ
31	5100634	4	PIVOT BLOCK, PLASTIC
32	5101928	1	SPACER, .56 X .90 X .31
33	5102941	1	SPACER, .64 X 1.00 X .50, CZ
34	5400289B	1	WELD, REAR DECK LIFT, LH
35	5400290B	1	WELD, REAR DECK LIFT, RH
36	5401671A	1	WELD, DECK LIFT LEVER, LH - BLK
37	5401672A	1	WELD, DECK LIFT LEVER, RH - BLK
38	5402811B	1	WELD, DECK LIFT LEVER, RH - RED
39	5402812B	1	WELD, DECK LIFT LEVER, LH - RED
40	5402813B	1	WELD, DECK LIFT PEDAL - RED
41	5407417B	1	WELD, DECK LIFT SHAFT, IS5100Z - RED

Footnotes

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

5900979 (IS5100Z/C33D61 ANSI)

5900996 (IS5100ZC33D61RDCE)

5901013 (IS5100ZC33D61)

5901011 (IS5100ZC33D)

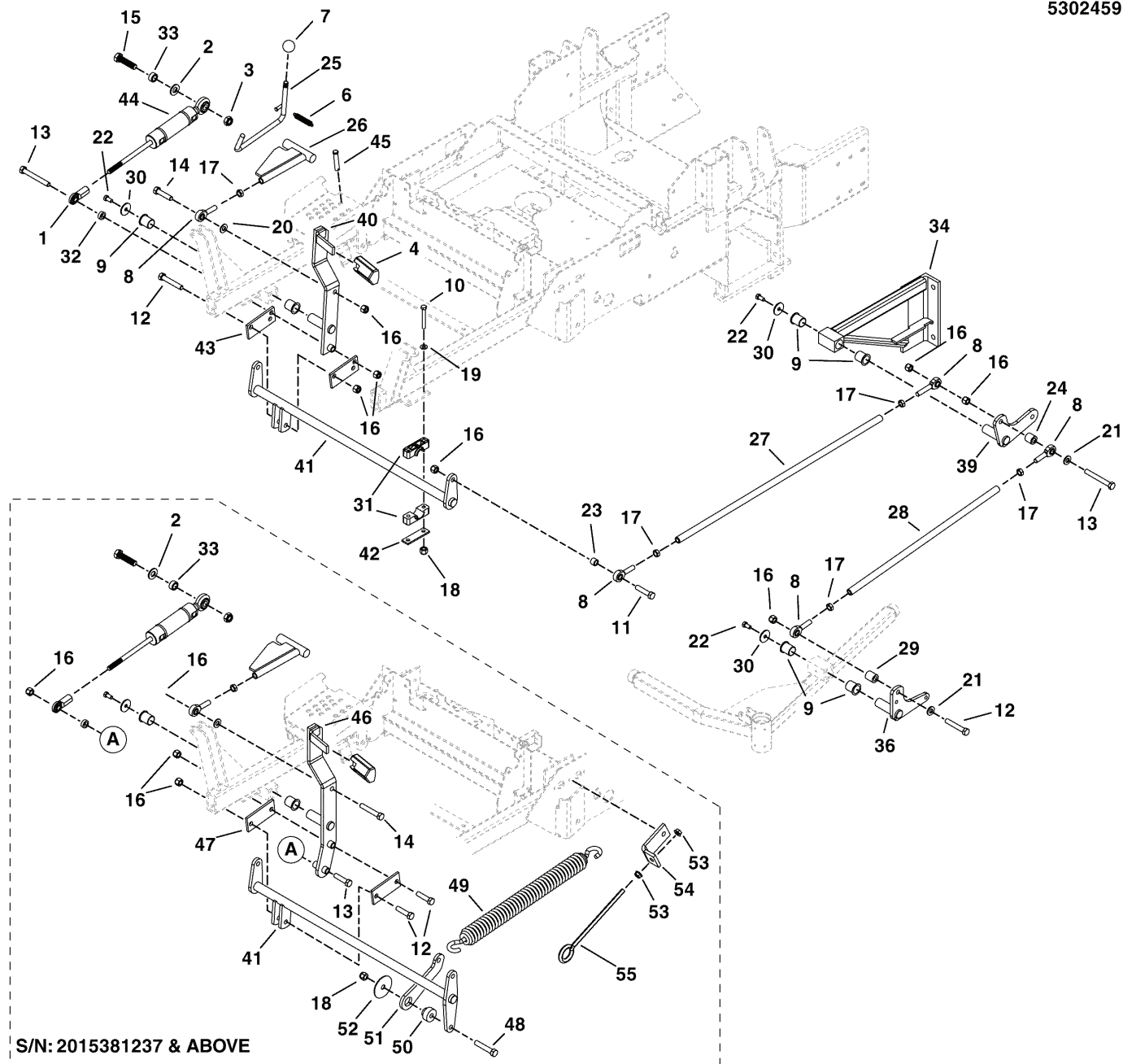
5900507 (IS5100ZC33D ANSI)

5900995 (IS5100ZC33DCE)

Deck Lift Group

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

5302459



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

5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)

Deck Lift Group

REF NO	PART NO.	QTY.	DESCRIPTION
42	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
43	5044994	2	LINK, DECK LIFT
44a	5103353	1	CYL, HYD, 1.5 BORE X 5.5 STROKE (S/N: 2015381237 & Above)
44b	1737057	1	CYLINDER-HYDRAULIC STRG CONQ, PREST (S/N: 2015381236 & Below)
45	5022044	1	PIN-CLEVIS, 1/2 X 2-1/2 YZP
46	5409074B	1	WELD, DECK LIFT PEDAL, IS5100Z
47	5409075B	2	LINK, DECK LIFT, IS5100Z
48	5025013X16	1	BOLT, 3/8-16 X 2 GD5 YZ
49	5023392	1	SPRING-EXT, 1.393 ODX13.25LGX.218WR, BLK
50	5061227	1	BUSHING, DECK PIVOT
51	5061224B	1	LINK, SPRING
52	5025326	1	WASHER, .39 X 2.00 X X .14
53	5025034	2	NUT, 3/8-16 HEX
54	5061355B	1	ANCHOR, EYEBOLT
55	5021811	1	EYE BOLT, 3/8-16 X 8, 1 EYE

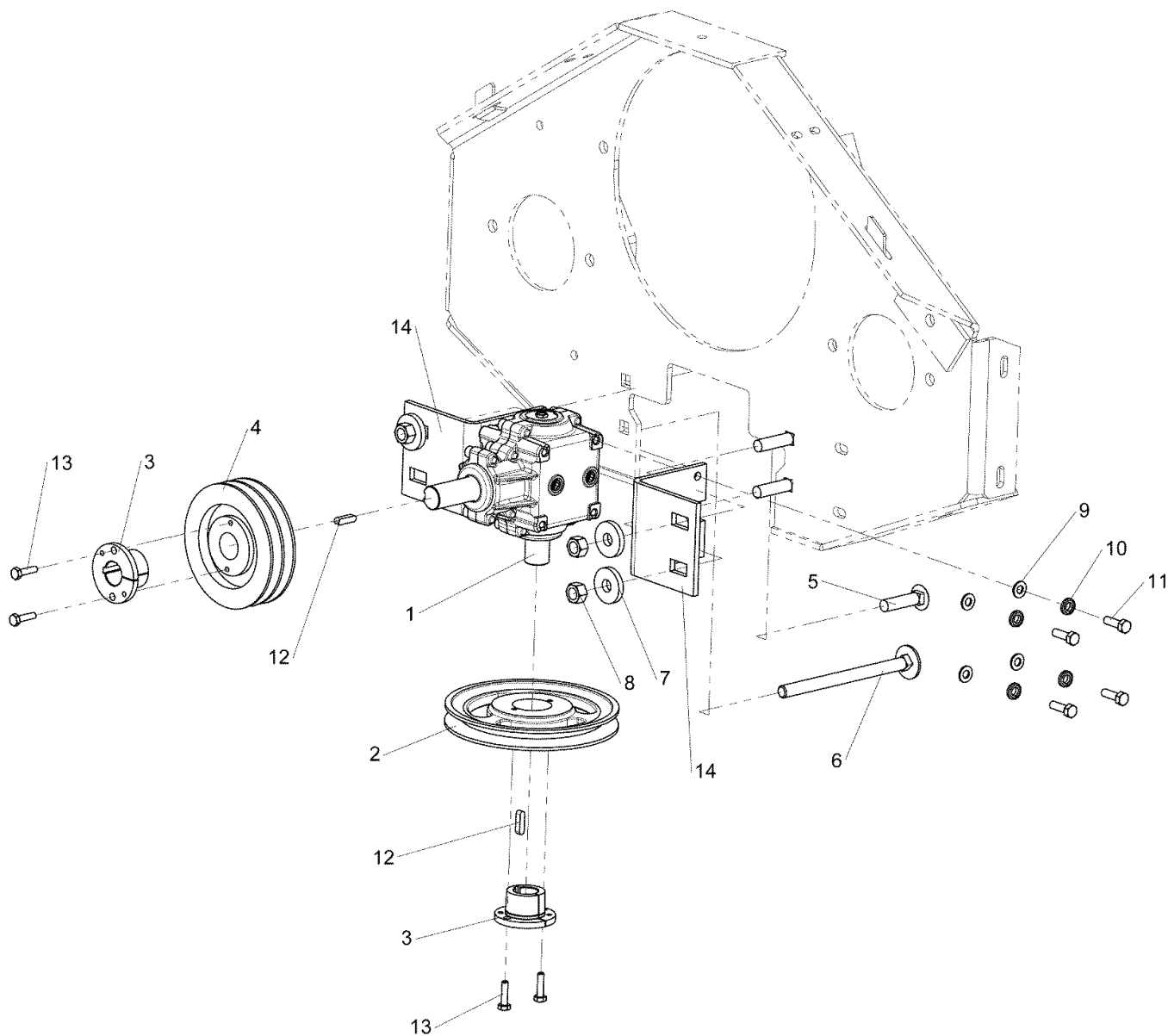
Footnotes

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

5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)

Gearbox Group

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



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

5900996 (IS5100ZC33D61RDCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5901013 (IS5100ZC33D61)

Gearbox Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022378	1	GEARBOX, RIGHT ANGLE, 1:1
2	5022794	1	PULLEY, SPINDLE, BH72
3	5020819	2	BUSHING, TAPERED HUB
4	5022908	1	PULLEY, GEARBOX INPUT
5	5025324X16	3	BOLT, 1/2-13 X 2", CARRIAGE
6	5025334	1	BOLT, 1/2-13 X 7", CARRIAGE
7	5044913	3	WASHER, FRAME RETAINING
8	5025056	4	NUT, 1/2-13 HEX NYLON LOCK
9	5025155	8	WASHER, 5/16" SAE
10	5025170	8	WASHER, 5/16" LOCK
11	5025011X8	8	BOLT, 5/16-18 X 1" GD5 YZ
12	5100039	2	KEY, .250 SQ. X 1, ROUND END
13	5025010X8	4	BOLT, 1/4-20 X 1", GD5
14	5046349B	2	WELD, MOUNT, GEAR BOX - RED

Footnotes

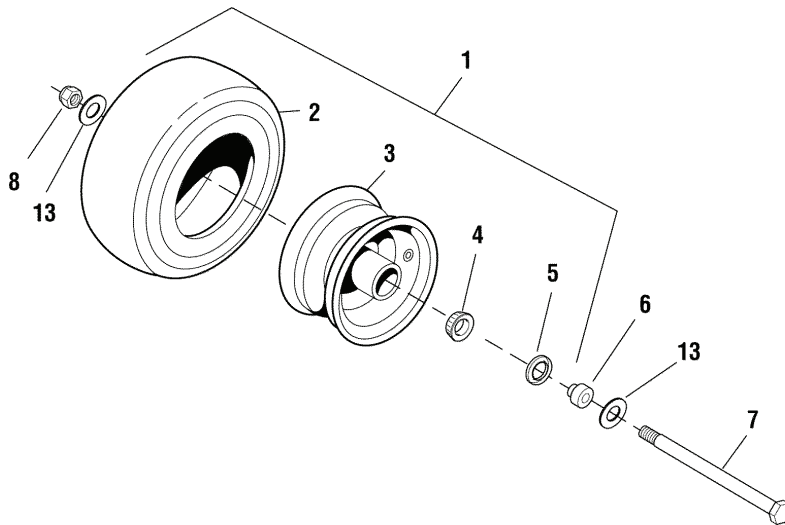
The above parts group applies to the following Mfg. Nos.:

5900996 (IS5100ZC33D61RDCE)
5901011 (IS5100ZC33D)
5900979 (IS5100Z/C33D61 ANSI)
5900507 (IS5100ZC33D ANSI)
5900995 (IS5100ZC33DCE)
5901013 (IS5100ZC33D61)

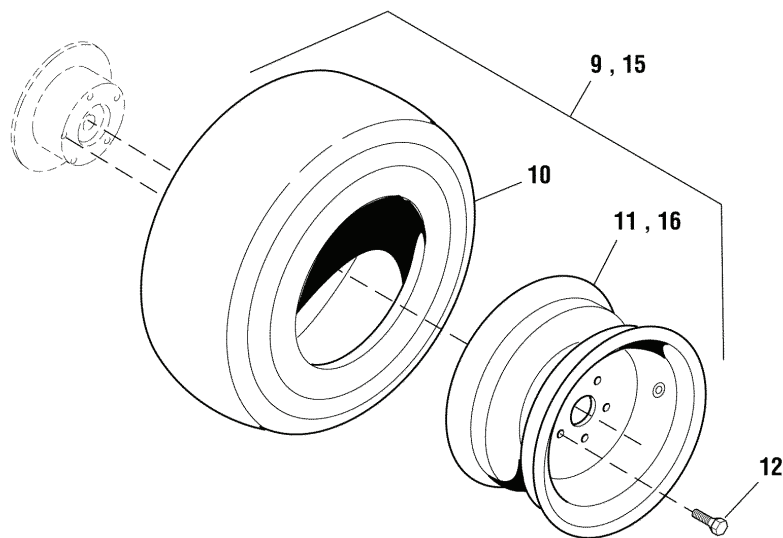
Wheels & Tires Group

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

Front Wheels & Tires



Rear Wheels & Tires



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

5900979 (IS5100Z/C33D61 ANSI)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)

Wheels & Tires Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5023136	2	TIRE ASSY, 13 X 6.5 SILVER (Includes Ref No. 2 - 5 & 14)
2	5022577	2	TIRE, Front, 13 x 6.5 x 6
3	5023136X1	2	WHEEL ASSEMBLY, for 13 x 6.5 x 6 Tires, Complete (Includes Ref No. 4 & 5)
4	5022631SX2	4	BEARING, Taper Roller (2 per tire)
5	5022631SX3	4	GREASE SEAL (2 per tire)
6	5047103	4	ADAPTER, CASTER AXLE (2 per tire)
7	5025017X72	2	BOLT, 1/2-13 X 9" GD5 YZ
8	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
9	5023363	2	TIRE ASSM, 26X12.00-12, SOLID (S/N: 2013192650 & Below)
10	5023152X1	2	TIRE, Rear, 26 x 12 x 12
11	5023364	2	WHEEL ASSEMBLY, 12 x 8.5 (S/N: 2013192650 & Below)
12	5022215	10	BOLT, WHEEL LUG, 1/2" X 1-5/8
13	5025158	4	WASHER, 1/2" SAE
14	5022631SX4	2	BEARING, RACE (Not Shown)
15	5101614	2	TIRE ASM, 26X12.00-12, 9.5 WIDE WHEEL (S/N: 2013192651 & Above)
16	5101614X1	2	Wheel, 12 X 9.5", 5 Hole (S/N: 2013192651 & Above)

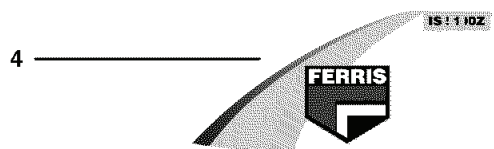
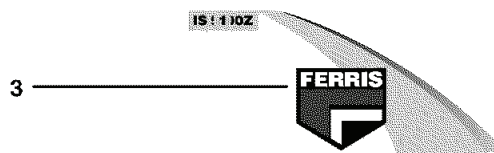
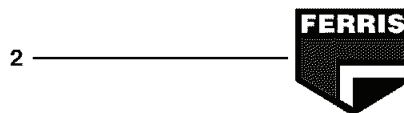
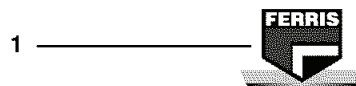
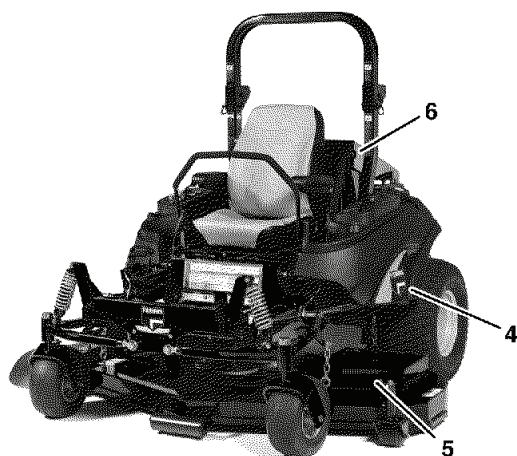
Footnotes

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

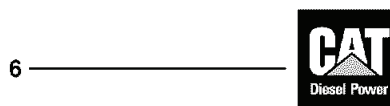
5900979 (IS5100Z/C33D61 ANSI)
5901011 (IS5100ZC33D)
5900507 (IS5100ZC33D ANSI)
5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)
5900995 (IS5100ZC33DCE)

Decals - Brand

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



5 ———— 61" 72"



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

5901013 (IS5100ZC33D61)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)
5900507 (IS5100ZC33D ANSI)
5901011 (IS5100ZC33D)

Decals - Brand

REF NO	PART NO.	QTY.	DESCRIPTION
1	5100340	1	DECAL, FERRIS, FRONT, 6.75 X 4.25
2	5022297	1	DECAL, FERRIS LOGO, 9-3/8
3	5100496	1	DECAL, BADGE, IS5100, RH
4	5100497	1	DECAL, BADGE, IS5100, LH
5	5022813	2	DECAL, 61" (61" DECK)
5	5022814	2	DECAL, 72" (72" DECK)
6	5100822	2	DECAL, CAT DIESEL POWER

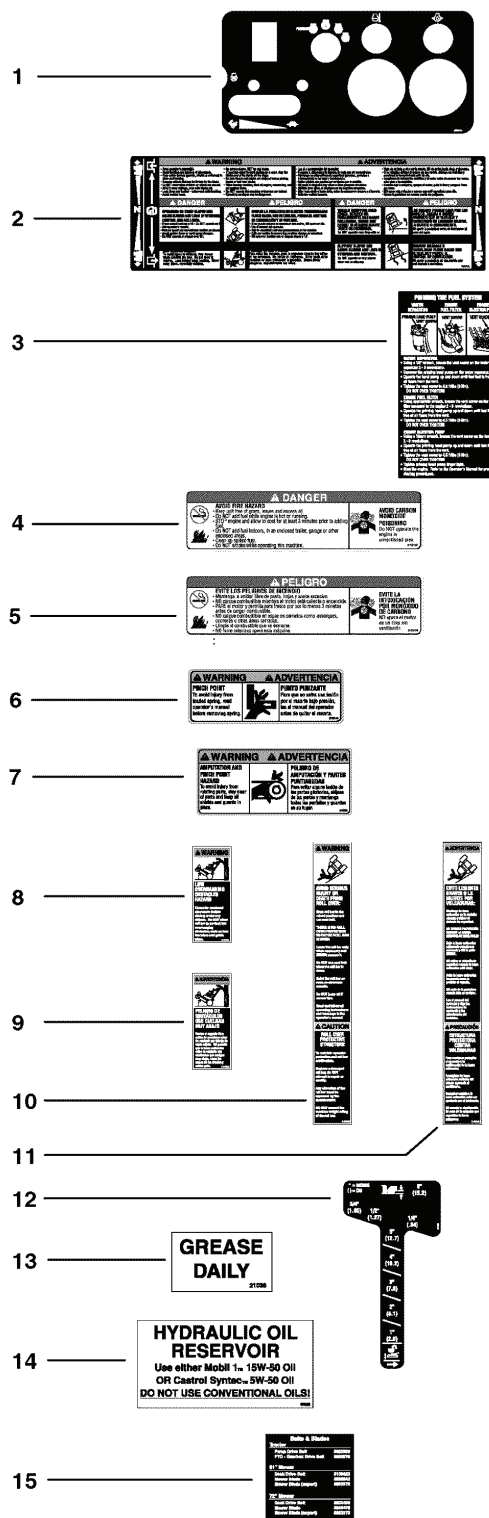
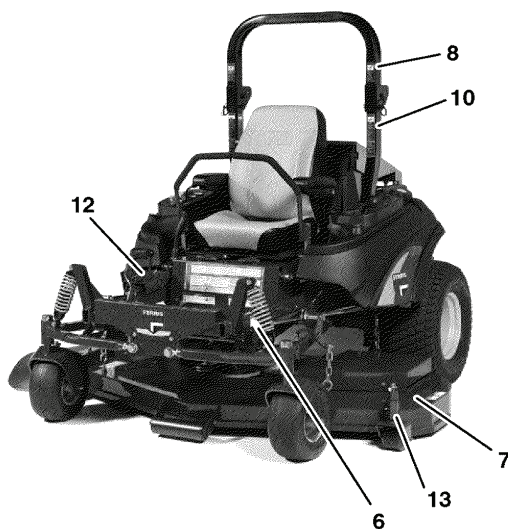
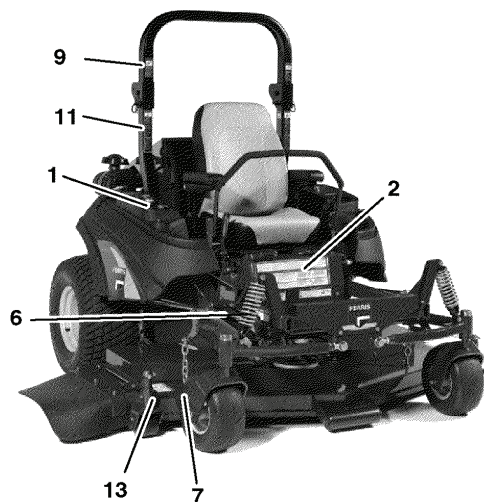
Footnotes

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

5901013 (IS5100ZC33D61)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)
5900995 (IS5100ZC33DCE)
5900507 (IS5100ZC33D ANSI)
5901011 (IS5100ZC33D)

Decals - Safety & Operation

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



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

5901013 (IS5100ZC33D61)

5901011 (IS5100ZC33D)

Decals - Safety & Operation

REF NO	PART NO.	QTY.	DESCRIPTION
1	5100315	1	DECAL, CONTROL PANEL, IS5000Z
1	5102942	1	DECAL, CONTROL PANEL, IS5100Z (Hydraulic Lift Models)
2	5100097	1	DECAL, MAIN SAFETY
3	5047696	1	DECAL, PRIMING INSTRUCTIONS
4	5100708	1	DECAL, DANGER, FIRE
5	5100709	1	DECAL, DANGER, FIRE (SP)
6	5100134	2	DECAL, WARNING, PINCH POINT
7	5100093	1	DECAL, WARNING, HAND IN PULLEY
8	5100405	1	DECAL, WARNING
9	5100406	1	DECAL, WARNING
10	5100403	1	DECAL, WARNING
11	5100404	1	DECAL, WARNING
12	5100316	1	DECAL, HEIGHT OF CUT, IS5000Z
13	5021036	1	DECAL, GREASE DAILY
14	5045923	1	DECAL, OIL RESERVOIR
15	5103252	1	DECAL, BELT & BLADE, IS5000Z

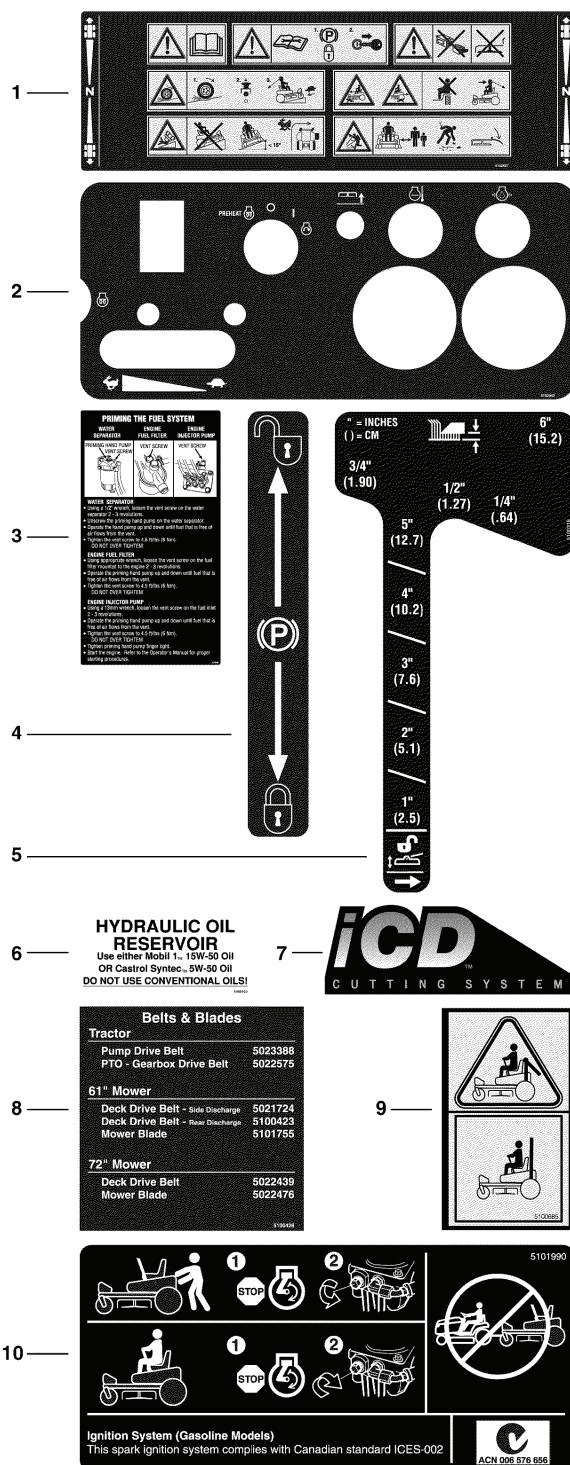
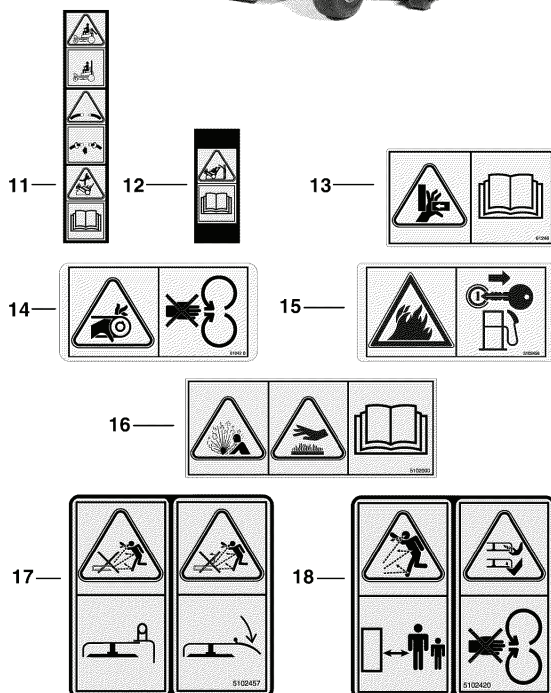
Footnotes

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

5901013 (IS5100ZC33D61)

5901011 (IS5100ZC33D)

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



5900995 (IS5100ZC33DCE)
5900507 (IS5100ZC33D ANSI)
5900996 (IS5100ZC33D61RDCE)
5900979 (IS5100Z/C33D61 ANSI)

Decals - Safety & Operation (Export Models)

REF NO	PART NO.	QTY.	DESCRIPTION
1	5102627	1	DECAL, MAIN SAFETY, ANSI CE
2	5102942	1	DECAL, CONTROL PANEL, IS5100
3	5047696	2	DECAL, PRIMING INSTRUCTIONS
4	5102628	1	DECAL, PARKING BRAKE SYMBOLS
5	5100316	1	DECAL, HEIGHT OF CUT, IS5000Z
6	5045923	2	DECAL-OIL RESERVOIR
7	5102210	1	DECAL, ICD CUTTING SYSTEM
8	5103252	1	DECAL, BELT & BLADE, IS5100Z (Located Under Seat)
9	5100685	1	DECAL, WARNING, ROLL BAR, CE (Located On ROPS)
10	5101990	3	DECAL, CZT HYRDO RELEASE (Located Under Seat)
11	5100536	2	DECAL, SAFETY, CE ROPS (Located On ROPS)
12	5100537	2	DECAL, SAFETY, CE ROPS, OBS (Located On ROPS)
13	5061246	1	DECAL, PINCH POINT, CE
14	5061042	1	DECAL, CE DANGER
15	5102456	1	DECAL, FIRE ANSI EXPORT
16	5102000	1	DECAL, WARNING, HOT
17	5102457	1	DECAL, DANGER DISCHARGE ANSI EXPORT
18	5102420	1	DECAL, DANGER, MOWER DECK, ANSI EXP

Footnotes

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

5900995 (IS5100ZC33DCE)

5900507 (IS5100ZC33D ANSI)

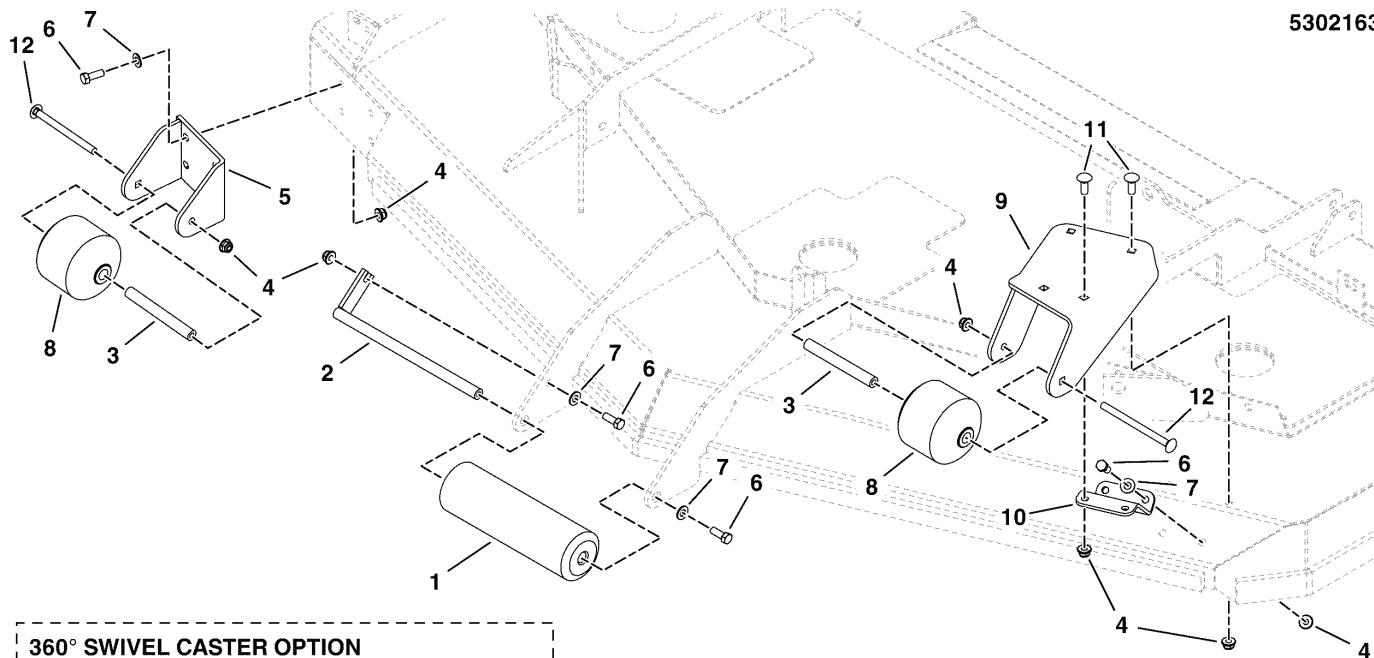
5900996 (IS5100ZC33D61RDCE)

5900979 (IS5100Z/C33D61 ANSI)

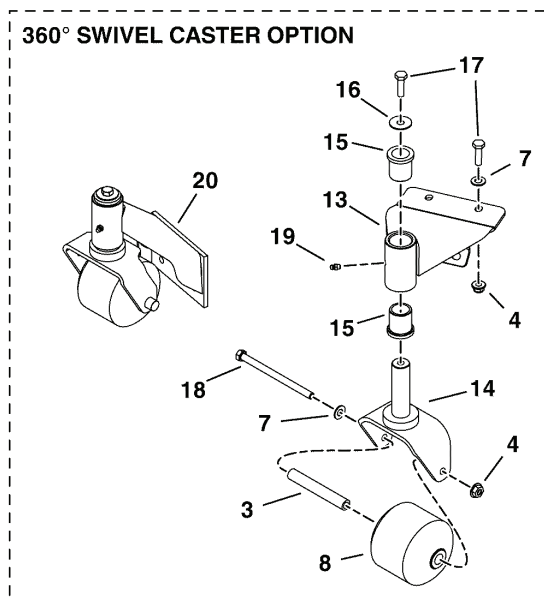
61" & 72" Mower Deck - Rollers & Casters

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

5302163



360° SWIVEL CASTER OPTION



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

5901010 (5100/72CE)	5900592 (5100/72RD)
5900998 (5100/72RDCE)	5901013 (IS5100ZC33D61)
5900996 (IS5100ZC33D61RDCE)	
5900997 (5100/61RDCE)	
5900979 (IS5100Z/C33D61 ANSI)	
5900591 (5100/72)	

61" & 72" Mower Deck - Rollers & Casters

REF NO	PART NO.	QTY.	DESCRIPTION
1	5020785	1	ROLLER, DECK
2	5041655B	1	WELD, BRACKET, ROLLER PIN - RED
3	5101971	2	SPACER, .38 X .63 X 4.31
4	5025394	12	NUT, 3/8-16 HEX NYLOCK FLANGE
5	5409705B	1	BRACKET, ANTI-SCALP - RED
6	5025013X8	7	BOLT, 3/8-16 X 1 GD5 YZ
7	5025156	7	WASHER, 3/8 SAE
8	5022060	2	ROLLER, SMALL
9	5407765B	1	WELD, ANTI-SCALP BRACKET
10	5407764B	1	PLATE, ANTI-SCALP SUPPORT - RED
11	1931350	4	BOLT, RD HD SH SQ NK 3/8- 16X1.000 G5 BL
12	5025146X44	2	BOLT, 3/8-16 X 5-1/2, CARRIAGE
13a	5408457B	1	Swivel Caster Bracket (Kit 5600552: All 61" Models & IS3100Z 72" Models)
13b	5408459B	1	Swivel Caster Bracket (Kit 5600560: IS5100Z 72" Models)
14	5405009B	2	Caster Yoke
15	5021541	4	Flange Bushing
16	5100548	2	Washer, .390 X 1.50 X .109
17	5025013X6	10	BOLT, 3/8-16 X 3/4 GD5 YZ
18	5025013X44	2	BOLT, 3/8-16 X 5-1/2 GD5 YZ
19	5020095	2	Grease Fitting, 1/4-28 Straight
20	5404876B	1	Anti-Scalp Caster Bracket

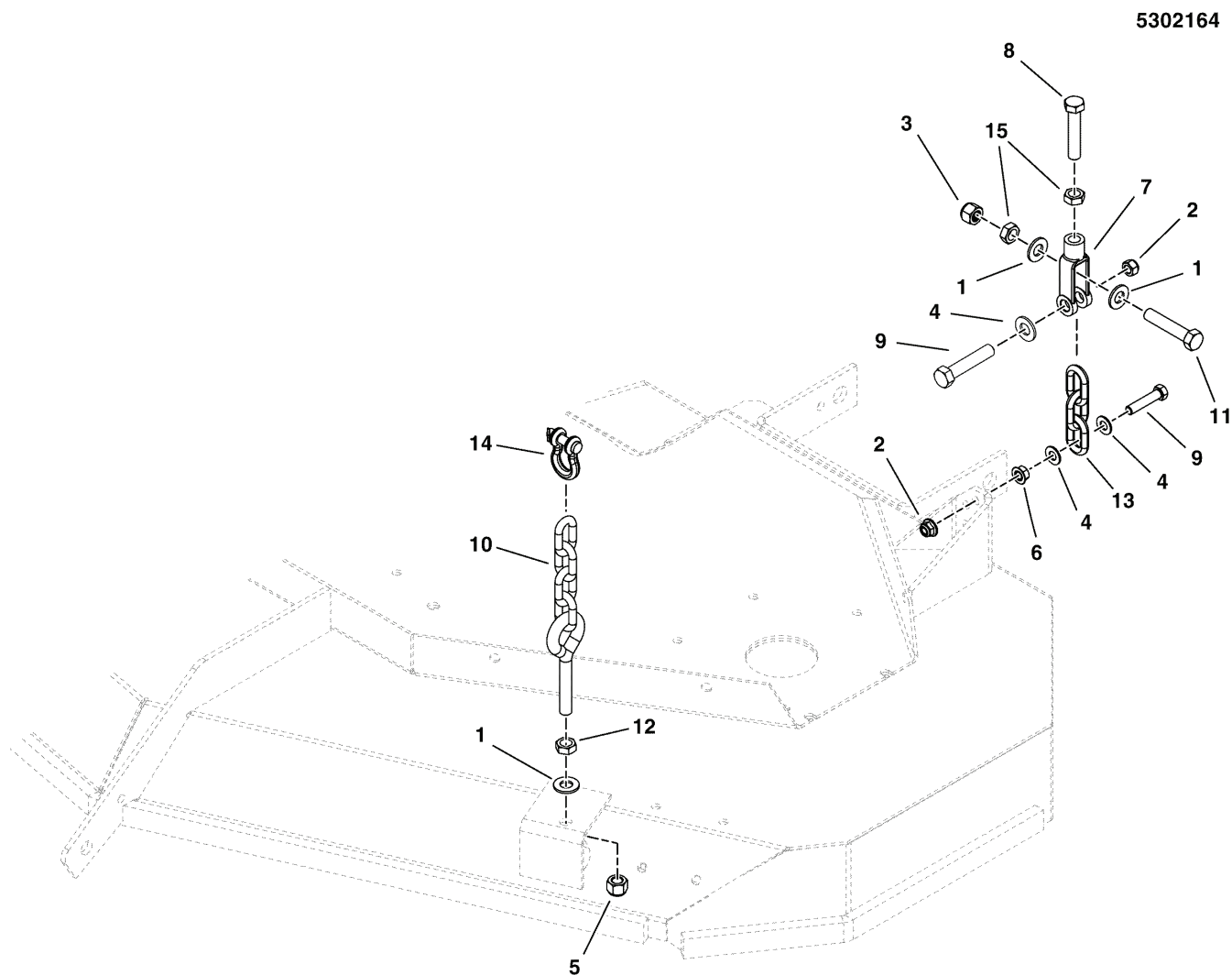
Footnotes

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

5901010 (5100/72CE)	5900592 (5100/72RD)
5900998 (5100/72RDCE)	5901013 (IS5100ZC33D61)
5900996 (IS5100ZC33D61RDCE)	
5900997 (5100/61RDCE)	
5900979 (IS5100Z/C33D61 ANSI)	
5900591 (5100/72)	

61" & 72" Mower Deck - Hanger Chains

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



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

5900998 (5100/72RDCE)	5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)	5900979 (IS5100Z/C33D61 ANSI)
5900997 (5100/61RDCE)	
5900591 (5100/72)	
5901010 (5100/72CE)	
5900592 (5100/72RD)	

61" & 72" Mower Deck - Hanger Chains

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025158	6	WASHER, 1/2 SAE
2	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
3	5025098	2	NUT, 1/2-20 HEX NYLON LOCK
4	5025156	6	WASHER, 3/8 SAE
5	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
6	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE
7	5023174	2	CLEVIS, 1/2-20, STEEL
8	5025426	2	BOLT, 1/2-20 X 2-1/2, FLT
9	5025013X14	4	BOLT, 3/8-16 X 1-3/4 GD5
10	5045026	2	HANGER, FRONT DECK - 4 LINK
11	5025018X20	2	BOLT, 1/2-20 X 2-1/2 GD5 YZ
12	5025301	2	NUT, 1/2-13 HEX JAM
13	5050878X3	2	CHAIN, 5/16 GD30, 3 LINKS
14	5025438	2	ROUND, PIN ANCHOR SHACKLE
15	5025089	4	NUT, 1/2-20 HEX JAM

Footnotes

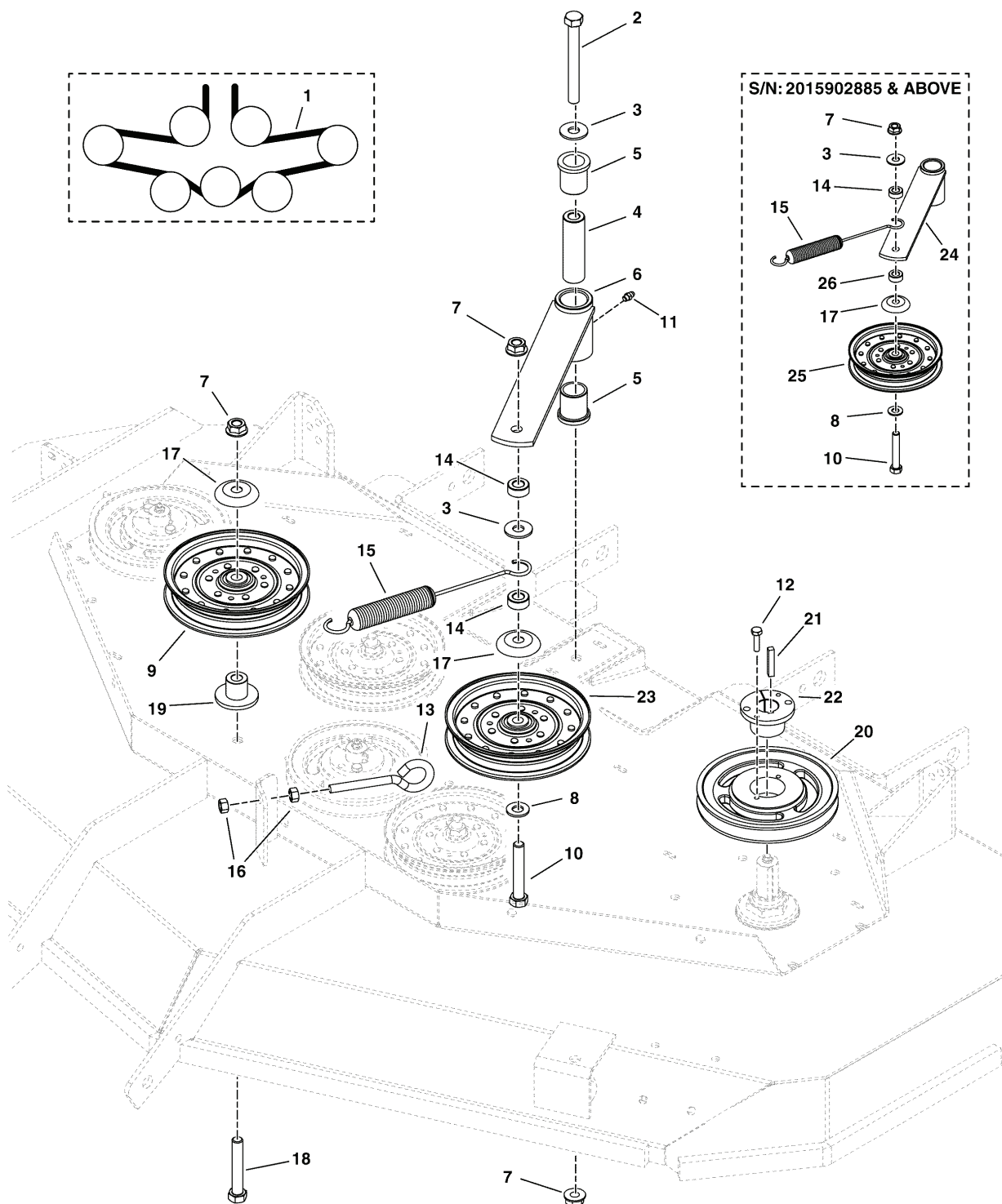
The above parts group applies to the following Mfg. Nos.:

5900998 (5100/72RDCE)	5900996 (IS5100ZC33D61RDCE)
5901013 (IS5100ZC33D61)	5900979 (IS5100Z/C33D61 ANSI)
5900997 (5100/61RDCE)	
5900591 (5100/72)	
5901010 (5100/72CE)	
5900592 (5100/72RD)	

61" Mower Deck - Pulleys, Belt & Idler

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

5302165



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

5901013 (IS5100ZC33D61)
5900997 (5100/61RDCE)
5900979 (IS5100Z/C33D61 ANSI)
5900996 (IS5100ZC33D61RDCE)

61" Mower Deck - Pulleys, Belt & Idler

REF NO	PART NO.	QTY.	DESCRIPTION
1	5021724	1	BELT, BP-SEC, 197.90EL, ARAMID, WRPD
2	5025017X36	1	BOLT, 1/2-13 X 4-1/2 GD5 YZ
3	5025150	2	WASHER, 1/2 USS
4	5045022	1	SPACER, .52 X 1.00 X 3.50
5	5021541	2	BUSHING, FLANGE
6	5060001	1	IDLER ARM ASSEMBLY
7	5025396	5	NUT, 1/2-13 HEX NYLOCK FLANGE
8	5025158	1	WASHER, 1/2 SAE
9	5600184	4	KIT, PULLEY & SHIELD (SV) (Includes 5102831 pulley & 5101103 shield)
10	5025017X24	1	BOLT, 1/2-13 X 3 GD5 YZ
11	5025447	1	GREASE FITTING, 1/4-28, 90 DEGREE
12	5025010X8	6	BOLT, 1/4-20 X 1, GD5
13	5023497	1	EYE BOLT, 3/8-16 X 5, 1 EYE
14	5045023	2	SPACER, .52 X 1.00 X .44, CZ
15	5023340	1	SPRING-EXT, 1.04 ODX10.535LGX.148WR, BLK
16	5025034	2	NUT, 3/8-16 HEX
17	5101103	4	SHIELD, PULLEY BEARING
18	5025017X28	1	BOLT, 1/2-13 X 3-1/2 GD5 YZ
19	5103430	3	WELD, MOUNT, IDLER
20	5020815	3	PULLEY, SPINDLE, BH66
21	5022726	3	KEY 1/4 SQ X 1 1/2 LONG
22	5020819	3	BUSHING, TAPERED HUB
23	5102678	1	PULLEY, DEEP V-IDLER, 6.25"OD S 1/2" ID
24	5060001	1	IDLER ARM ASSEMBLY
25	5102678	1	PULLEY, DEEP V-IDLER, 6.25"OD X 1/2"ID
26	5101161	1	SPACER, .52 X 1.00 X .63, CZ

Footnotes

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

5901013 (IS5100ZC33D61)

5900997 (5100/61RDCE)

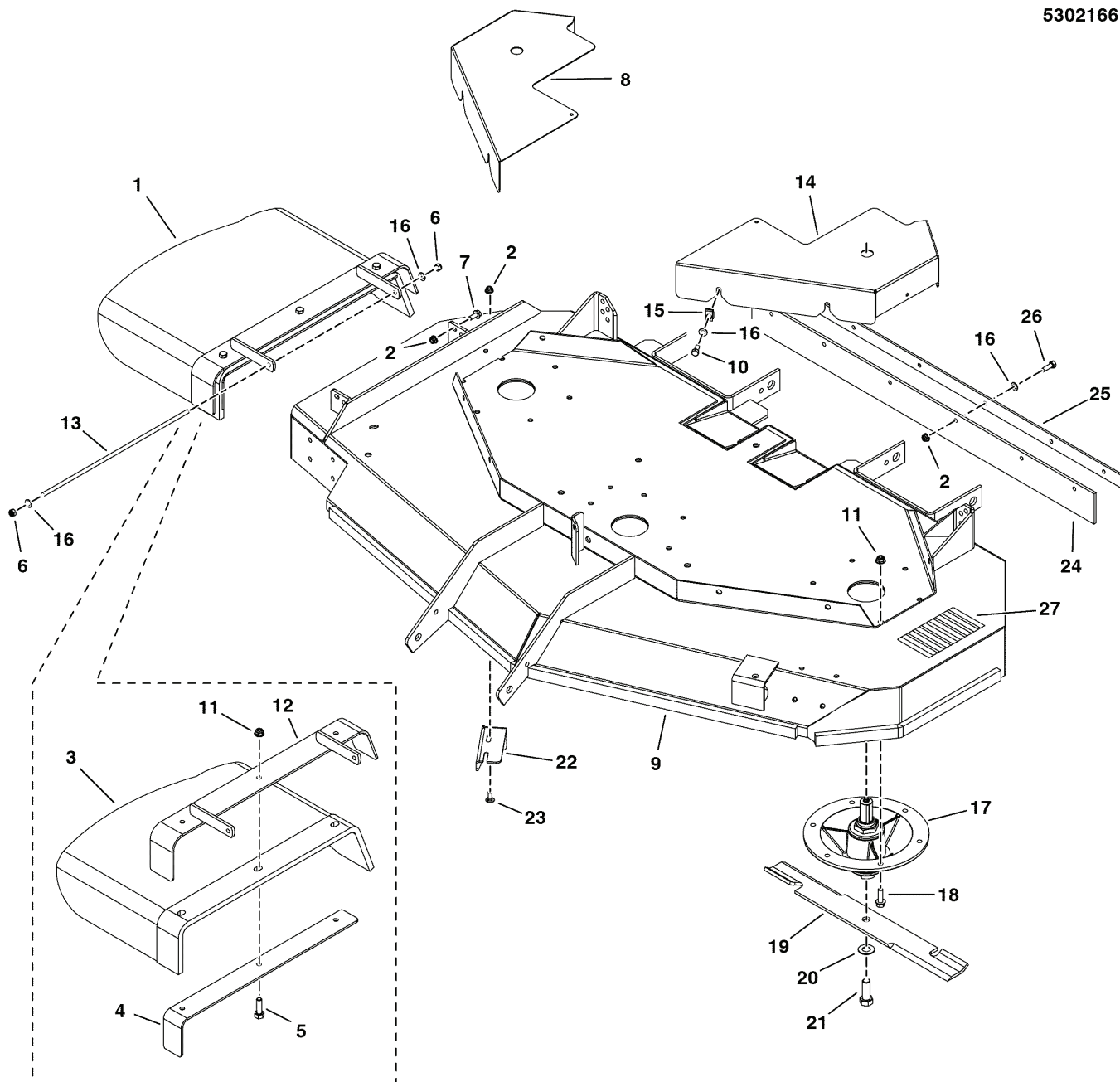
5900979 (IS5100Z/C33D61 ANSI)

5900996 (IS5100ZC33D61RDCE)

61" Mower Deck - Housing, Covers, Spindles & Blades - Side Discharge

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

5302166



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

5901013 (IS5100ZC33D61)

5900979 (IS5100Z/C33D61 ANSI)

61" Mower Deck - Housing, Covers, Spindles & Blades - Side Discharge

REF NO	PART NO.	QTY.	DESCRIPTION
1	5600415	1	KIT, DISCHARGE CHUTE, 61" ICD - IS5100
2	5025392	9	NUT, 5/16-18 HEX NYLOCK FLANGE
3	5402403	1	CHUTE, DISCHARGE, RUBBER, 61/72
4	5404718A	1	SUPPORT, DISCHARGE CHUTE - BLK
5	5025013X10	3	BOLT, 3/8-16 X 1-1/4 GD5
6	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
7	5025411	1	BOLT, 5/16-18 X 3/4 FLANGE
8	5403484B	1	GUARD, 61" RH - RED
9	5600414	1	DECK SHELL W/DECALS, 61" iCD - IS5100
10	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
11	5025394	21	NUT, 3/8-16 HEX NYLOCK FLANGE
12	5404716B	1	WELD, FRAME, CHUTE, 61 - RED
13	5061300	1	ROD MOUNT, CHUTE 61"
14	5403485B	1	GUARD, 61" LH - RED
15	5022308	6	CLIP, BODY , 5/16-18 FOR 7 GA.
16	5025155	14	WASHER, 5/16 SAE
17	5049438	3	ASSM, SPINDLE, BOTTOM MOUNT
18	5025390X10	18	BOLT, 3/8-16 X 1-1/4", FLANGE
19	5101755S	1	BLADE, 21" (SET OF 3)
20	5025477	3	WASHER, 5/8" GRADE 8, YZ
21	5025320X14	3	BOLT, 5/8-11 X 1-3/4" GD8
22	5401344A	1	PLATE, DEFLECTOR - BLK
23	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
24	5102037	1	FLAP, STRIPER, 61 DECK, IS3100 S200X
25	5405322A	1	PLATE, SUPPORT - BLK
26	5025011X8	6	BOLT, 5/16-18 X 1 GD5 YZ
27	5101004	1	SAFETY WALK, 4.00 X 7.50

Footnotes

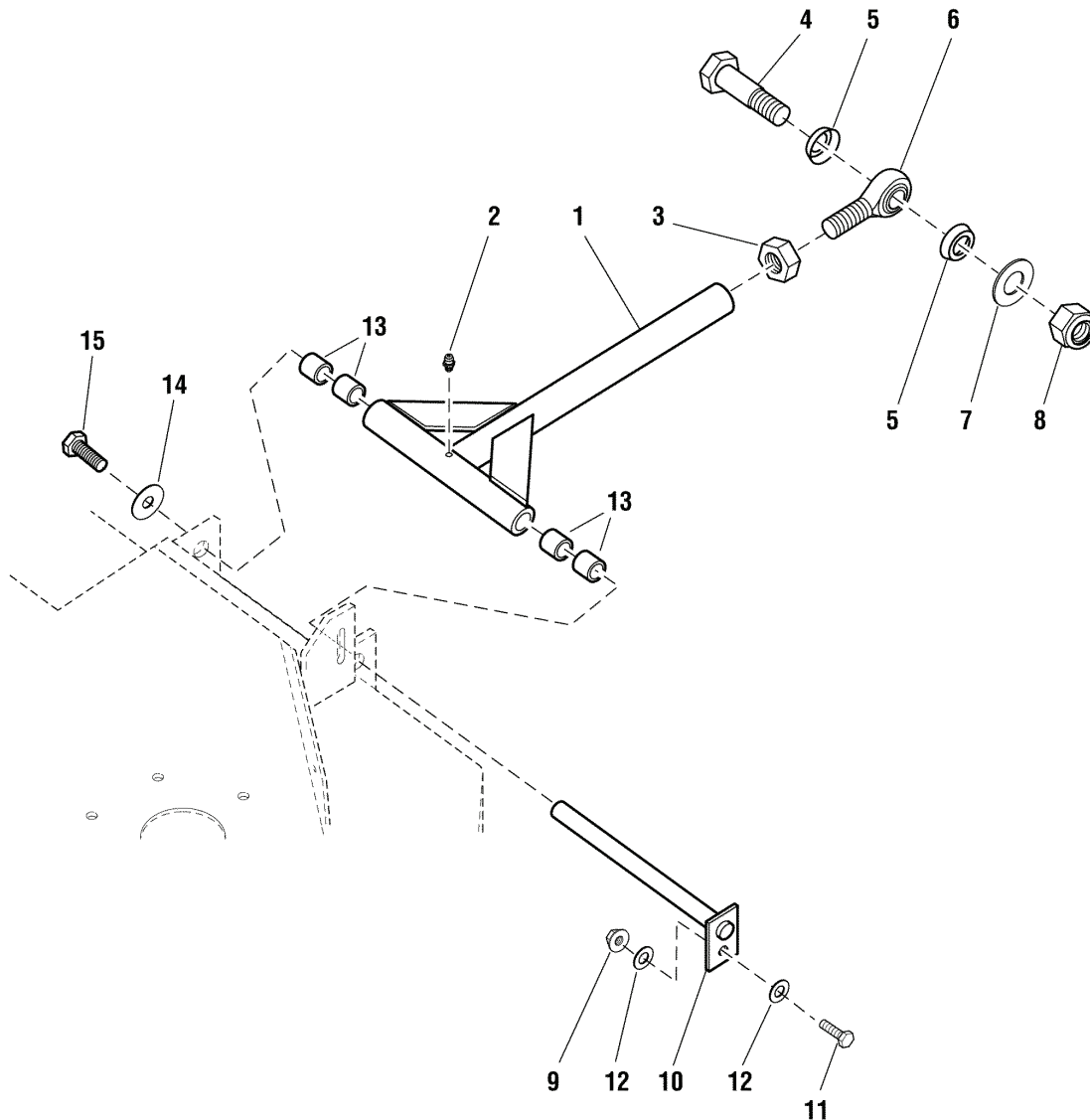
The above parts group applies to the following Mfg. Nos.:

5901013 (IS5100ZC33D61)

5900979 (IS5100Z/C33D61 ANSI)

61" & 72" Mower Deck - Rear Mount Bars

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



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

5900592 (5100/72RD)	5900998 (5100/72RDCE)
5901013 (IS5100ZC33D61)	5900591 (5100/72)
5900996 (IS5100ZC33D61RDCE)	
5901010 (5100/72CE)	
5900979 (IS5100Z/C33D61 ANSI)	
5900997 (5100/61RDCE)	

61" & 72" Mower Deck - Rear Mount Bars

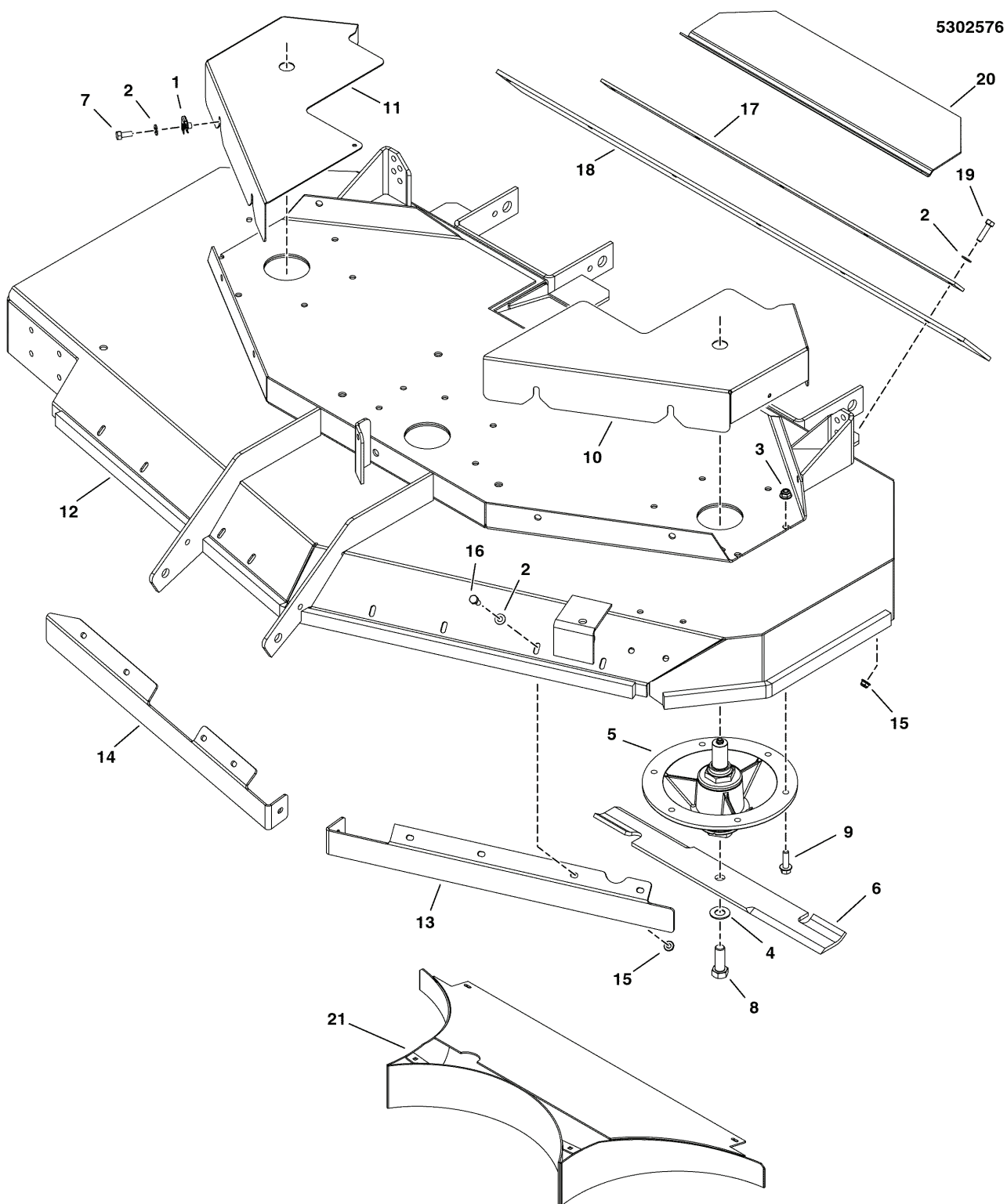
REF NO	PART NO.	QTY.	DESCRIPTION
1	5045009B	2	ASSM, PUSHER BAR
2	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
3	5025093	2	NUT, 3/4-16 HEX JAM
4	5025265X24	2	BOLT-3/4-16 X 3 YZ GD5
5	5022111	4	SEAL, 3/4 ROD END
6	5022039	2	BALL JOINT, 3/4-16, MALE
7	5025160	2	WASHER, 3/4 SAE
8	5025284	2	NUT, 3/4-16 HEX NYLON LOCK
9	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
10	5045037B	2	WELD, DECK MOUNT SHAFT
11	5025013X8	4	BOLT, 3/8-16 X 1 GD5 YZ
12	5025156	4	WASHER, 3/8 SAE
13	5023344	8	BUSHING, .75 X 1.00 X 1.00, PLASTIC
14	5100548	2	WASHER, .390 X 1.50 X .109, YZ
15	5025013X8	2	BOLT, 3/8-16 X 1 GD5 YZ

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

5900592 (5100/72RD) 5900998 (5100/72RDCE)
5901013 (IS5100ZC33D61) 5900591 (5100/72)
5900996 (IS5100ZC33D61RDCE)
5901010 (5100/72CE)
5900979 (IS5100Z/C33D61 ANSI)
5900997 (5100/61RDCE)

61" Mower Deck - Housing, Covers & Spindles - Rear Discharge

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



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

5900997 (5100/61RDCE)

5900996 (IS5100ZC33D61RDCE)

61" Mower Deck - Housing, Covers & Spindles - Rear Discharge

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
2	5025155	19	WASHER, 5/16 SAE
3	5025394	18	NUT, 3/8-16 HEX NYLOCK FLANGE
4	5025477	3	WASHER, 5/8 GRADE 8, YZ
5	5049438	3	ASSM, SPINDLE, BOTTOM MOUNT
6	5101755S	1	BLADE, 21" (SET OF 3)
7	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
8	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
9	5025390X10	18	BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ
10	5403485B	1	GUARD, 61" LH - RED
11	5403484B	1	GUARD, 61" RH - RED
12	5600520	1	DECK SHELL W/DECALS, 61"RD - IS5100
13	5407916A	1	BAFFLE, BLOWOUT, 61RD iCD, LH - RED
14	5407917A	1	BAFFLE, BLOWOUT, 61RD iCD, RH - RED
15	5025392	13	NUT, 5/16-18 HEX NYLOCK FLANGE
16	5025011X8	8	BOLT, 5/16-18 X 1 GD5 YZ
17	5406894B	1	PLATE, SUPPORT, 61 - RED
18	5103040	1	FLAP, STRIPER, 61, RD
19	5025011X10	5	BOLT, 5/16-18 X 1-1/4 GD5 YZ
20	5407990B	1	PLATE, REAR DEFLECTOR, IS5100 - RED
21	5407310B	1	WELD, REAR BAFFLE, 61RD - RED

Footnotes

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

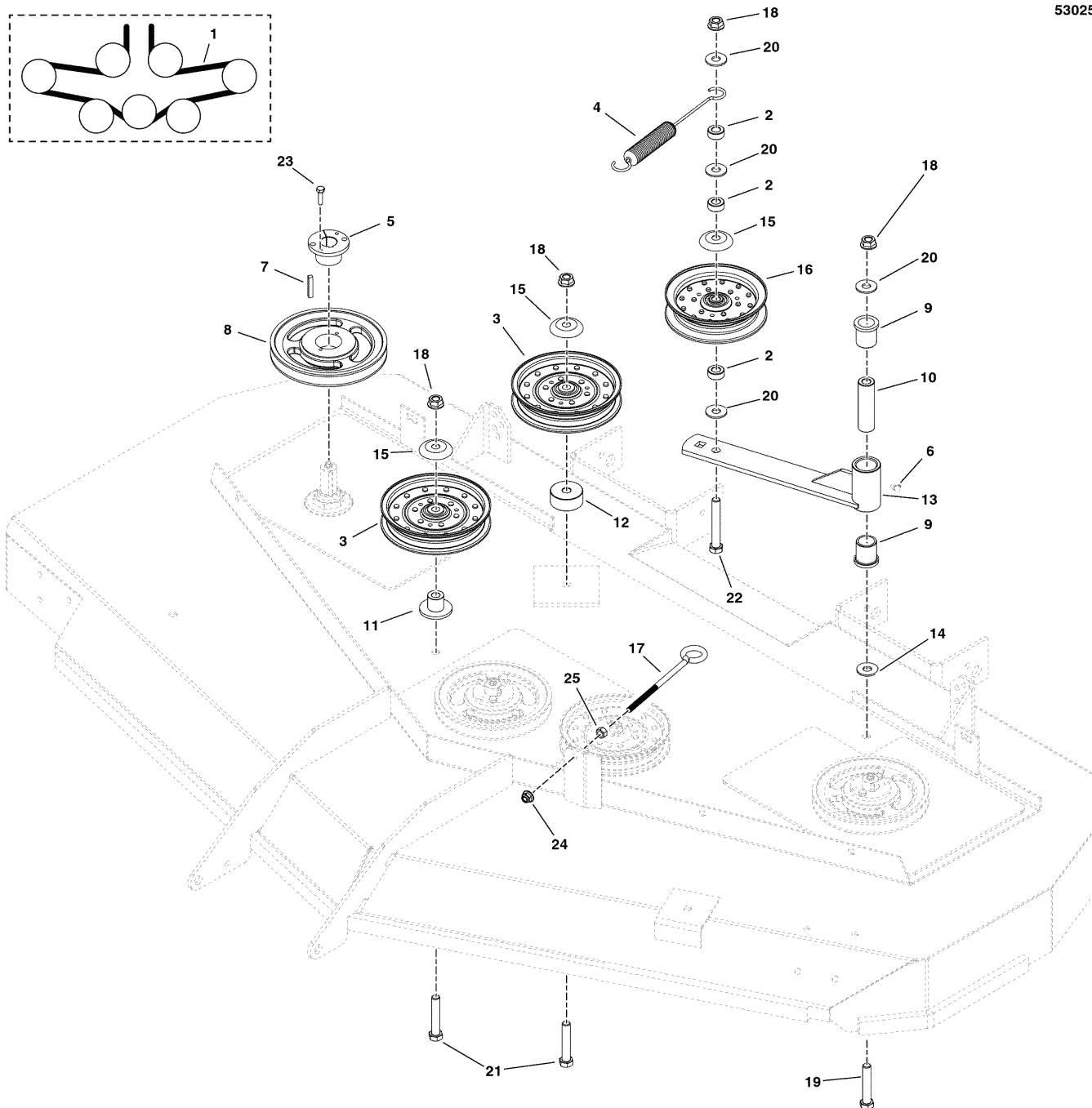
5900997 (5100/61RDCE)

5900996 (IS5100ZC33D61RDCE)

72" Mower Deck - Pulleys, Belt & Idler Arm

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

5302590



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

5901010 (5100/72CE)
5900592 (5100/72RD)
5900998 (5100/72RDCE)
5900591 (5100/72)

72" Mower Deck - Pulleys, Belt & Idler Arm

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022854	1	BELT, BP-SEC, 207.906EL, ARAMID, WRPD
2	5045023	3	SPACER, .52 X 1.00 X .44, CZ
3	5600184	3	KIT, PULLEY & SHIELD (SV) (Includes 5102831 pulley & 5101103 shield)
4	5023340	1	SPRING-EXT, 1.04 ODX10.535LGX.148WR, BLK
5	5020819	3	BUSHING, TAPERED HUB
6	5025447	1	GREASE FITTING, 1/4-28, 90 DEGREE
7	5022726	3	KEY 1/4 SQ X 1 1/2 LONG
8	5022794	3	PULLEY, SPINDLE, BH72
9	5021541	2	BUSHING, FLANGE
10	5045022	1	SPACER, .52 X 1.00 X 3.50
11	5103430	2	WELD, MOUNT, IDLER
12	5100616	1	SPACER, .52 X 2.00 X .88, CZ
13	5401741A	1	WELD, IDLER ARM - BLK
14	5025415	1	WASHER, .50 X 1.75 X .13
15	5101103	4	SHIELD, PULLEY BEARING
16	5102678	1	PULLEY, DEEP V-IDLER, 6.25"OD X 1/2"ID
17	5021811	1	EYE BOLT, 3/8-16 X 8, 1 EYE
18	5025396	5	NUT, 1/2-13 HEX NYLOCK FLANGE
19	5025017X40	1	BOLT-1/2-13 X 5 GD5 YZ
20	5025150	4	WASHER, 1/2 USS
21	5025017X22	3	BOLT, 1/2-13 X 2-3/4 GD5 YZ
22	5025017X28	1	BOLT, 1/2-13 X 3-1/2 GD5 YZ
23	5025010X8	6	BOLT, 1/4-20 X 1, GD5
24	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
25	5025084	1	NUT, 3/8-16 HEX JAM

Footnotes

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

5901010 (5100/72CE)

5900592 (5100/72RD)

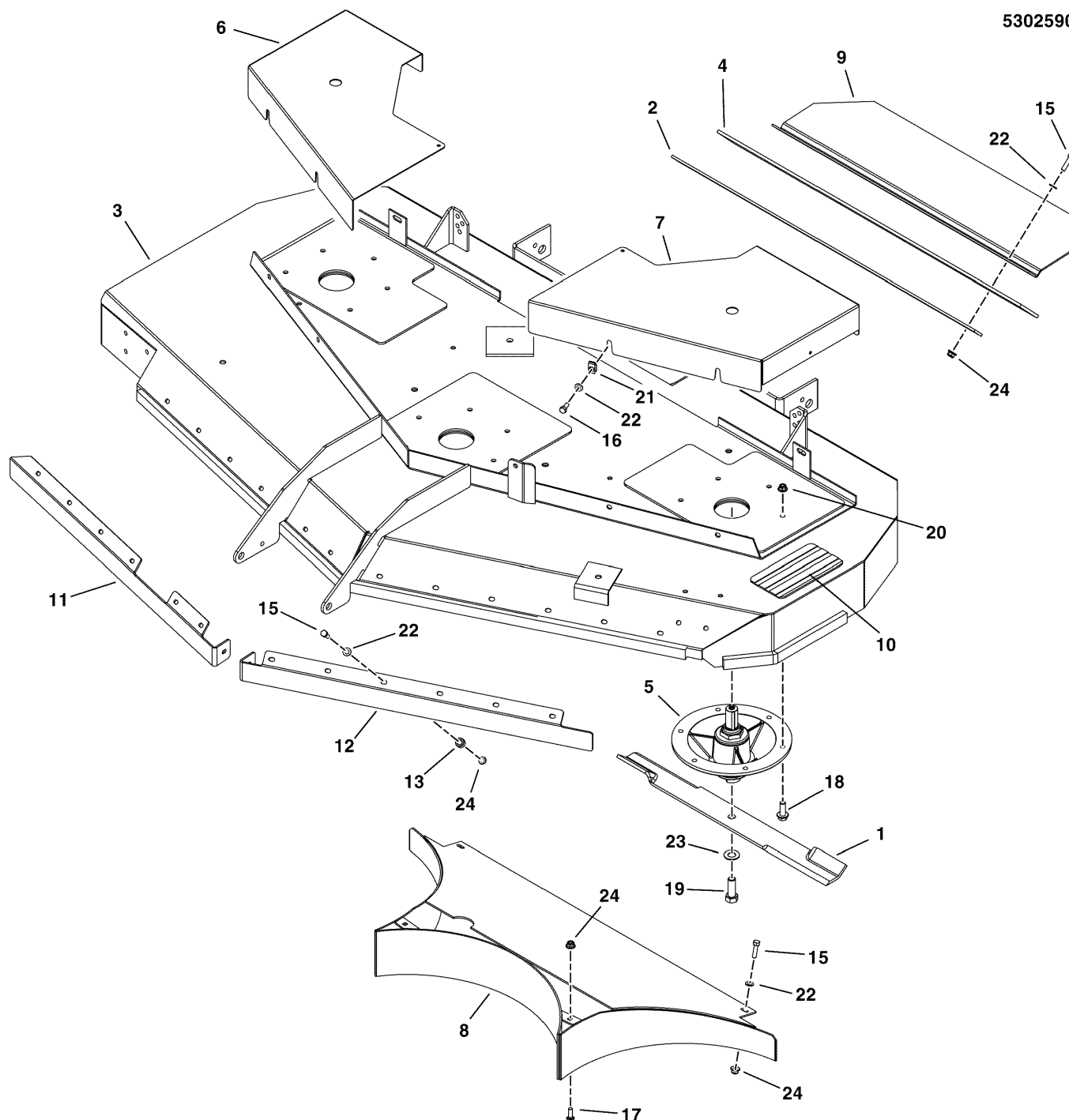
5900998 (5100/72RDCE)

5900591 (5100/72)

72" Mower Deck - Housing, Covers & Spindles - Rear Discharge

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

5302590H



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

5900998 (5100/72RDCE)

5900592 (5100/72RD)

72" Mower Deck - Housing, Covers & Spindles - Rear Discharge

REF NO	PART NO.	QTY.	DESCRIPTION
1	5102227S	3	BLADE, 25 X 25 X 2.50, HIGH LIFT (SET OF 3)
2	5103040	1	FLAP, STRIPER, 61/72RD
3a	5600510	1	DECK SHELL W/ DECALS, 5100/72 RD CE (CE Models)
3b	5600567	1	DECK SHELL W/ DECALS, 5100/72 RD
4	5406894B	1	PLATE, SUPPORT, 61 - RED
5	5049438	3	ASSM, SPINDLE, BOTTOM MOUNT
6	5401136B	1	GUARD, DECK - RH - RED
7	5408055B	1	GUARD, DECK - LH - RED
8	5407504B	1	WELD, REAR BAFFLE, 72 RD - RED
9	5407990B	1	PLATE, REAR DEFLECTOR, IS5100 - RED
10	5101004	1	SAFETY WALK, 4.00 X 7.50
11	5408129B	1	BAFFLE, BLOWOUT, IS5100Z CE, RH - RED (CE Models)
12	5408130B	1	BAFFLE, BLOWOUT, IS5100Z CE, LH - RED (CE Models)
13	5047408	12	SPACER, .39 X .75 X .50
14	5022800	1	PLUG, HOLE 2 1/8 (Not Shown)
15	5025011X10	20	BOLT, 5/16-18 X 1-1/4 GD5 YZ
16	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
17	5025145X8	2	BOLT, 5/16-18 X 1, CARRIAGE
18	5025390X10	18	BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ
19	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
20	5025394	18	NUT, 3/8-16 HEX NYLOCK FLANGE
21	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
22	5025155	26	WASHER, 5/16 SAE
23	5025477	3	WASHER, 5/8 GRADE 8, YZ
24	5025392	22	NUT, 5/16-18 HEX NYLOCK FLANGE

Footnotes

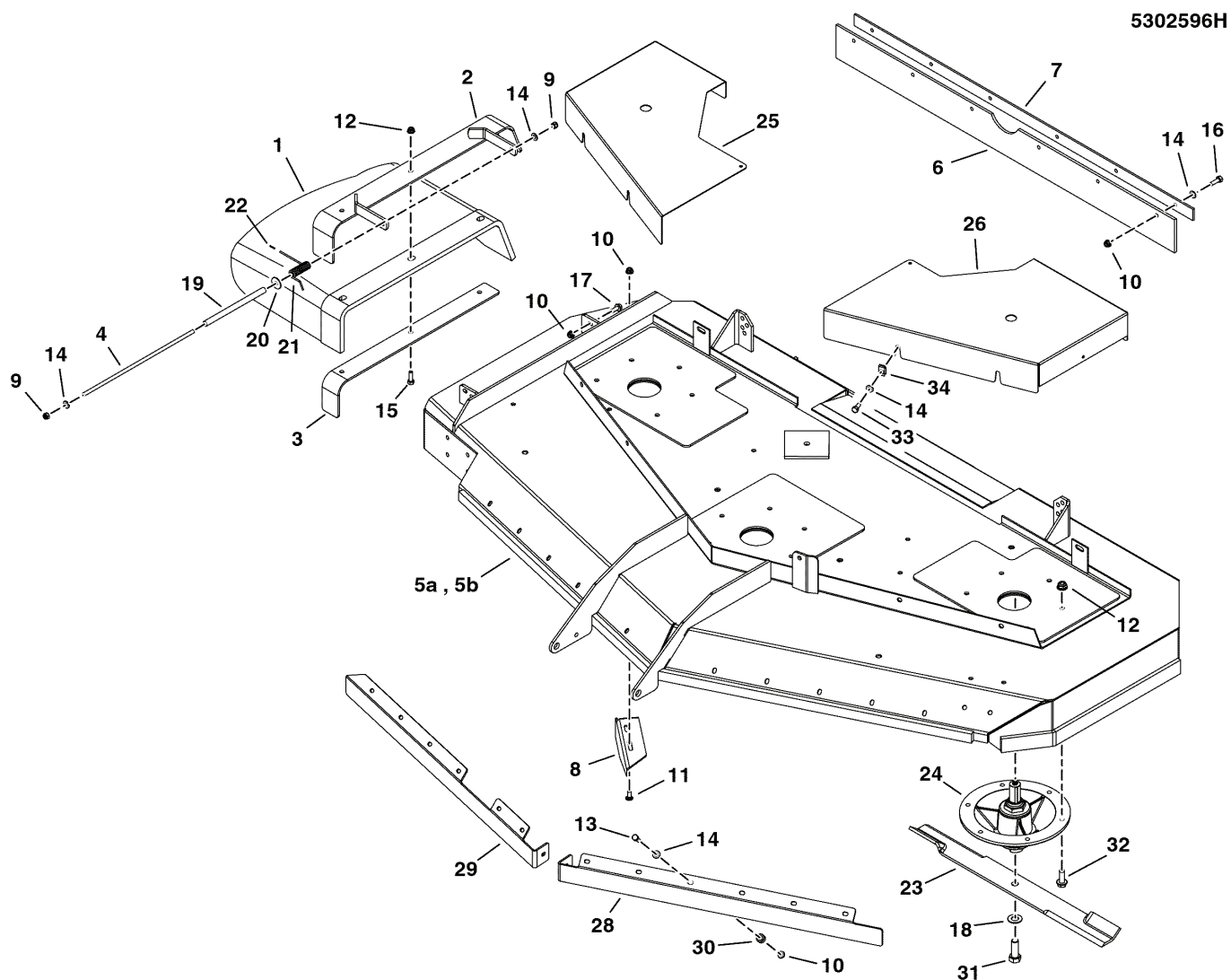
The above parts group applies to the following Mfg. Nos.:

5900998 (5100/72RDCE)

5900592 (5100/72RD)

72" Mower Deck - Housing, Covers & Spindles - Side Discharge

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



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

5901010 (5100/72CE)

5900591 (5100/72)

72" Mower Deck - Housing, Covers & Spindles - Side Discharge

REF NO	PART NO.	QTY.	DESCRIPTION
1	5402403	1	CHUTE, DISCHARGE, RUBBER, 52/61/72
2	5408016B	1	WELD, FRAME, CHUTE, 72 - RED
3	5408018A	1	SUPPORT, DISCHARGE CHUTE, 61/72 - BLK
4	5103045	1	ROD, MOUNT, CHUTE, 72, CZ
5a	5600509	1	DECK SHELL W/ DECALS, 5100/72 (Domestic Models)
5b	5600508	1	DECK SHELL W/ DECALS, 5100/72 CE (Export Models)
6	5102621	1	FLAP, STRIPER, 72 DECK
7	5406164A	1	PLATE, SUPPORT, 72" - BLK
8	5407876A	1	PLATE, DEFLECTOR, 72 - BLK
9	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
10	5025392	21	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
12	5025394	21	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025011X10	3	BOLT, 5/16-18 X 1-1/4 GD5 (Export Models)
14	5025155	26	WASHER, 5/16 SAE
15	5025013X10	3	BOLT, 3/8-16 X 1-1/4 GD5
16	5025011X8	6	BOLT, 5/16-18 X 1 GD5
17	5025411	1	BOLT, 5/16-18 X 3/4 FLANGE
18	5025477	3	WASHER, 5/8 GRADE 8, YZ
19	5050086X10P75	1	TUBE, 1/2 X 3/8 X 10.75 BLACK POLY (Export Models)
20	5025164	1	WASHER, 5/16 FENDER (Export Models)
21	5023385	1	SPRING, TORSION (Export Models)
22	5023489	1	CAP, PROTECTOR, .120 ID (Export Models)
23	5102227S	3	BLADE, 25 X 25 X 2.50, HIGH LIFT (SET OF 3)
24	5049438	3	ASSM, SPINDLE, BOTTOM MOUNT
25	5401136B	1	GUARD, DECK - RH - RED
26	5408055B	1	GUARD, DECK - LH - RED
27	5101004	1	SAFETY WALK, 4.00 X 7.50 (Not Shown)
28	5407874B	1	BAFFLE, BLOWOUT, IS5100Z CE, LH - RED (Export Models)
29	5407875B	1	BAFFLE, BLOWOUT, IS5100Z CE, RH - RED (Export Models)
30	5047408	12	SPACER, .39 X .75 X .50 (Export Models)
31	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
32	5025390X10	18	BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ
33	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
34	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL

Footnotes

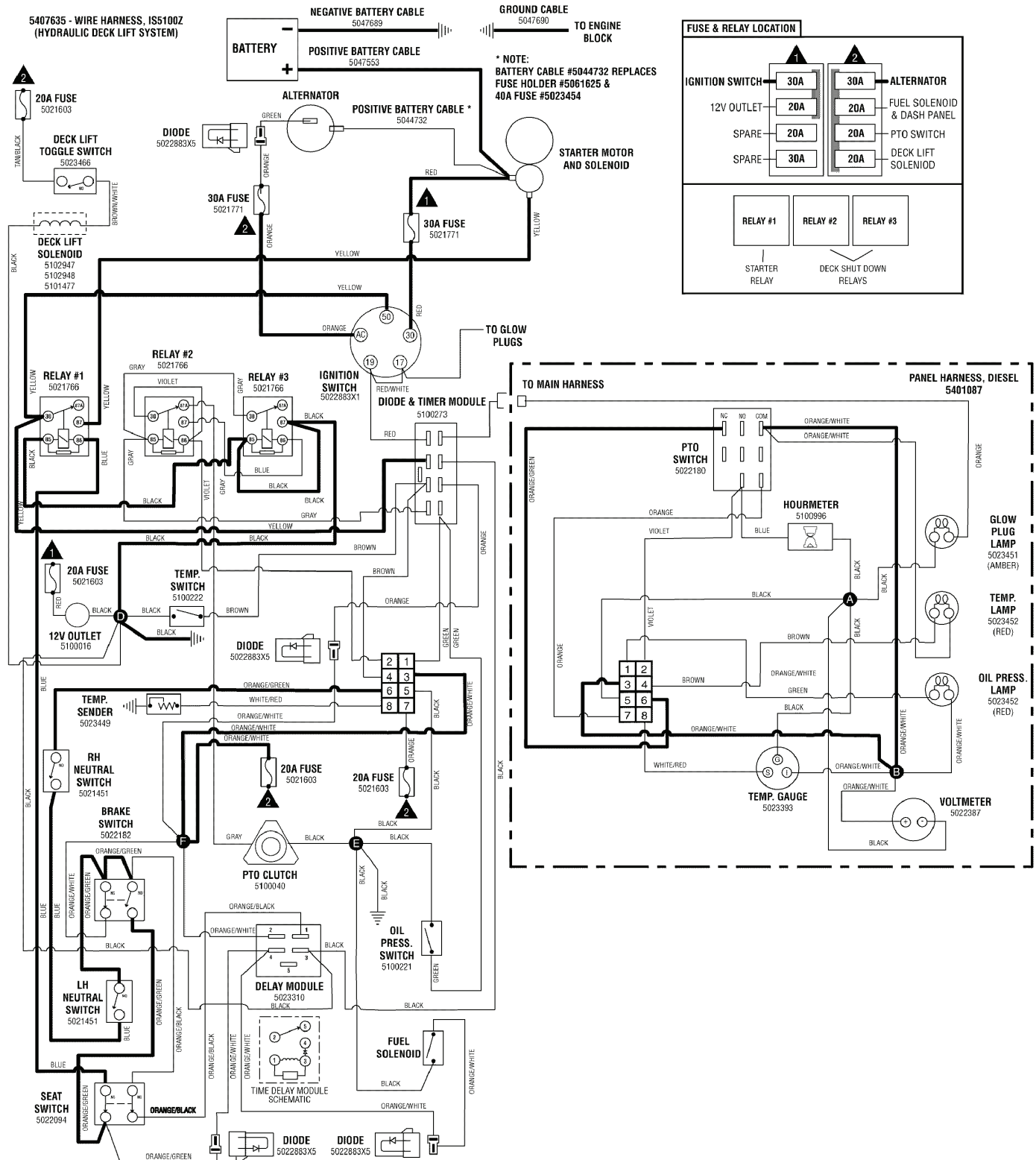
The above parts group applies to the following Mfg. Nos.:

5901010 (5100/72CE)

5900591 (5100/72)

Electrical Schematic - Charging Circuit - S/N: 2015208487 & Below

Y:\Catalog_Data\FRS\Images\01\7471\5407635CH

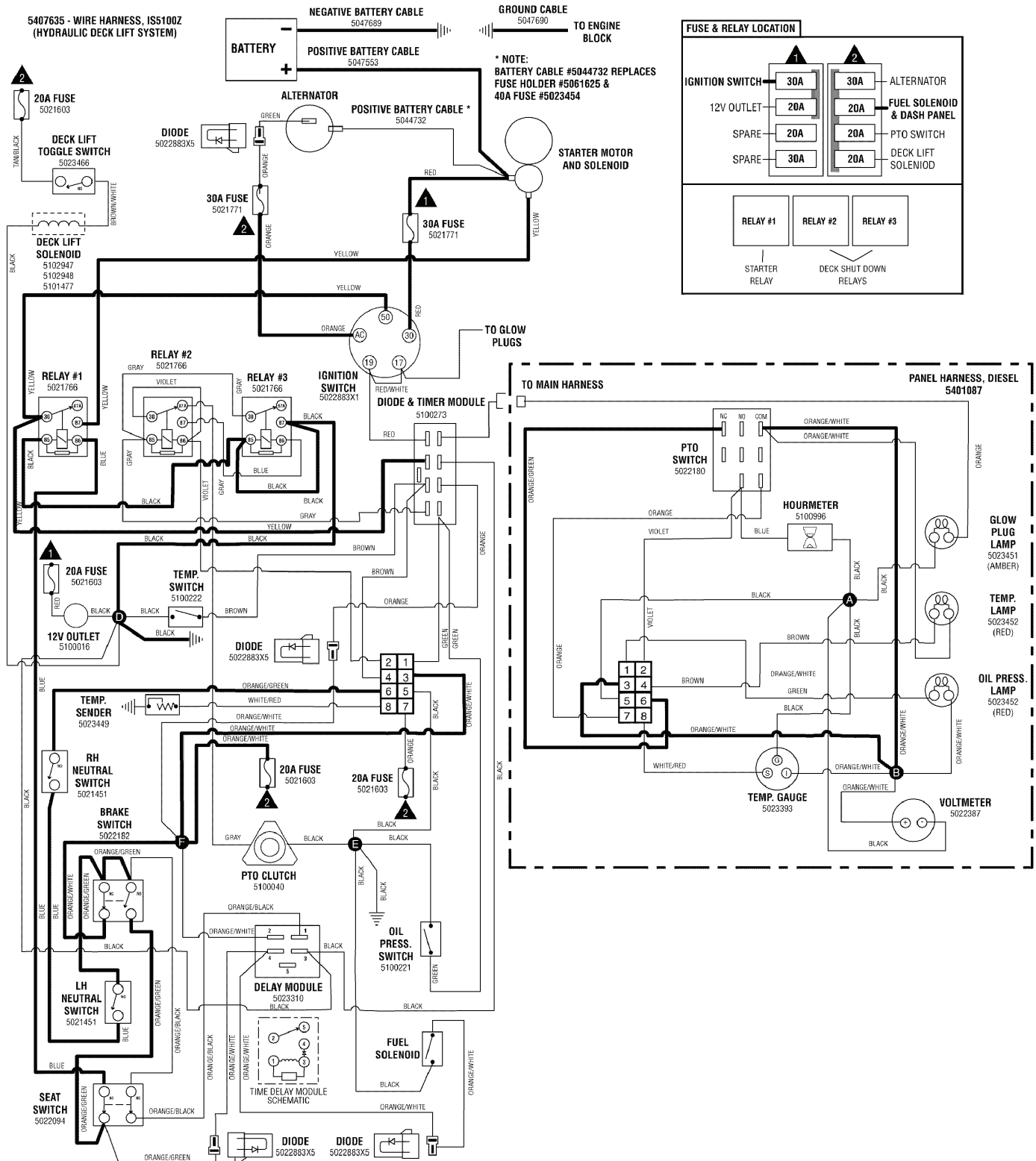


The above parts group applies to the following Mfg. Nos.:

- 5900996 (IS5100ZC33D61RDCE)
- 5901013 (IS5100ZC33D61)
- 5901011 (IS5100ZC33D)
- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)
- 5900995 (IS5100ZC33DCE)

Electrical Schematic - Cranking Circuit - S/N: 2015208487 & Below

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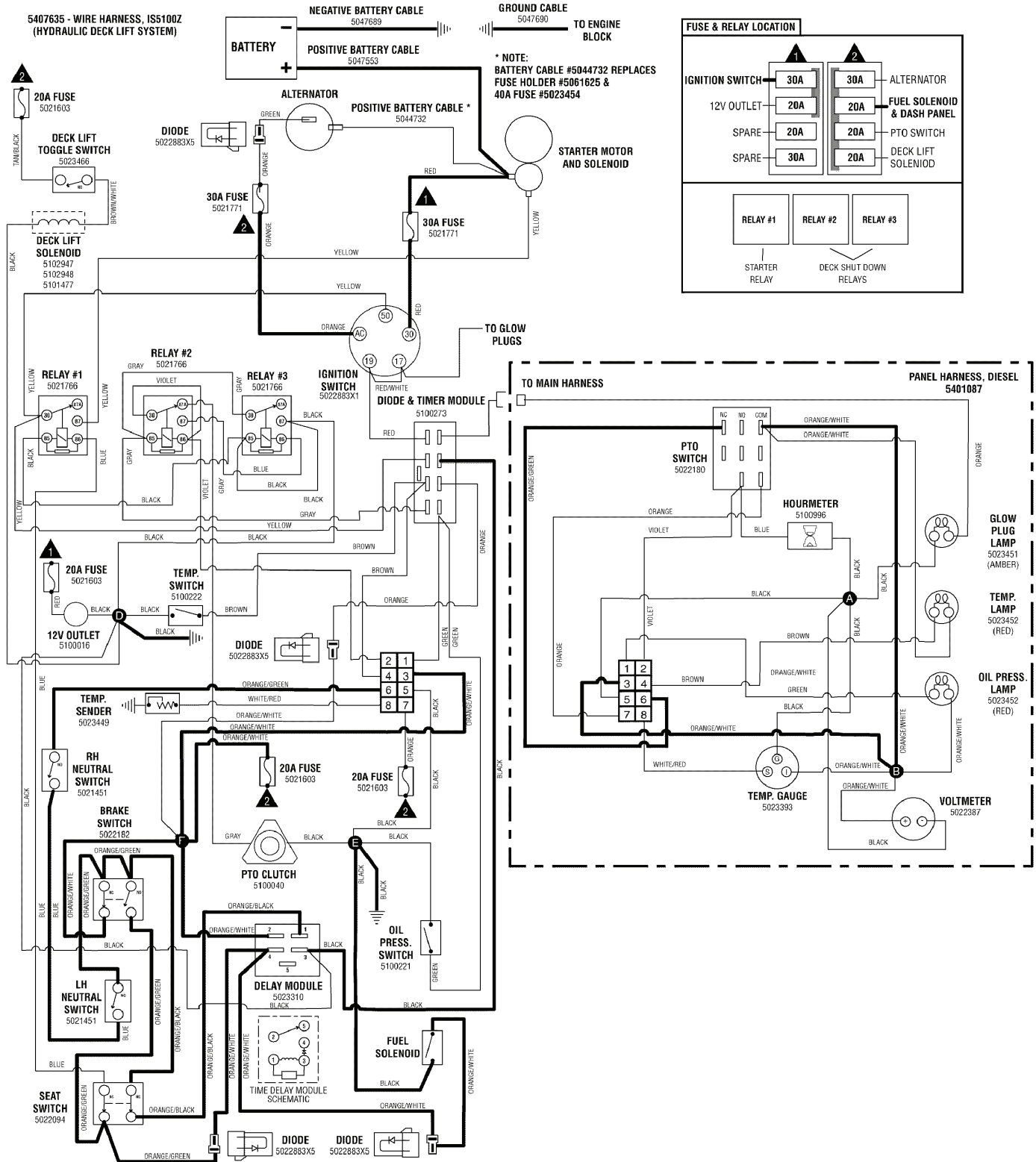


The above parts group applies to the following Mfg. Nos.:

- 5900996 (IS5100ZC33D61RDCE)
- 5901013 (IS5100ZC33D61)
- 5901011 (IS5100ZC33D)
- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)
- 5900995 (IS5100ZC33DCE)

Electrical Schematic - Operator Pres./Safety Circuit - S/N: 2015208487 & Below

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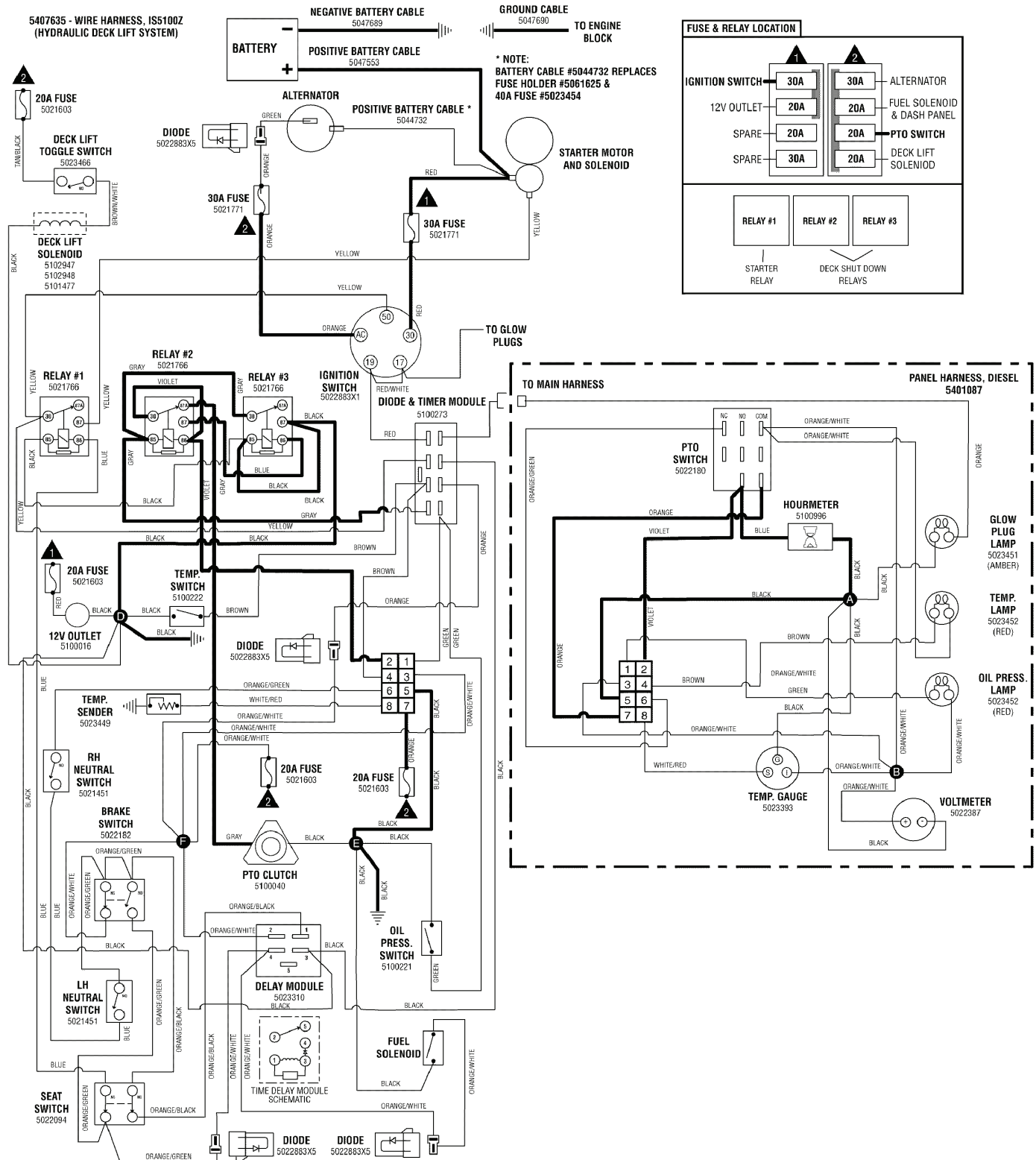


The above parts group applies to the following Mfg. Nos.:

- 5900996 (IS5100ZC33D61RDCE)
- 5901013 (IS5100ZC33D61)
- 5901011 (IS5100ZC33D)
- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)
- 5900995 (IS5100ZC33DCE)

Electrical Schematic - PTO & Hourmeter Circuit - S/N: 2015208487 & Below

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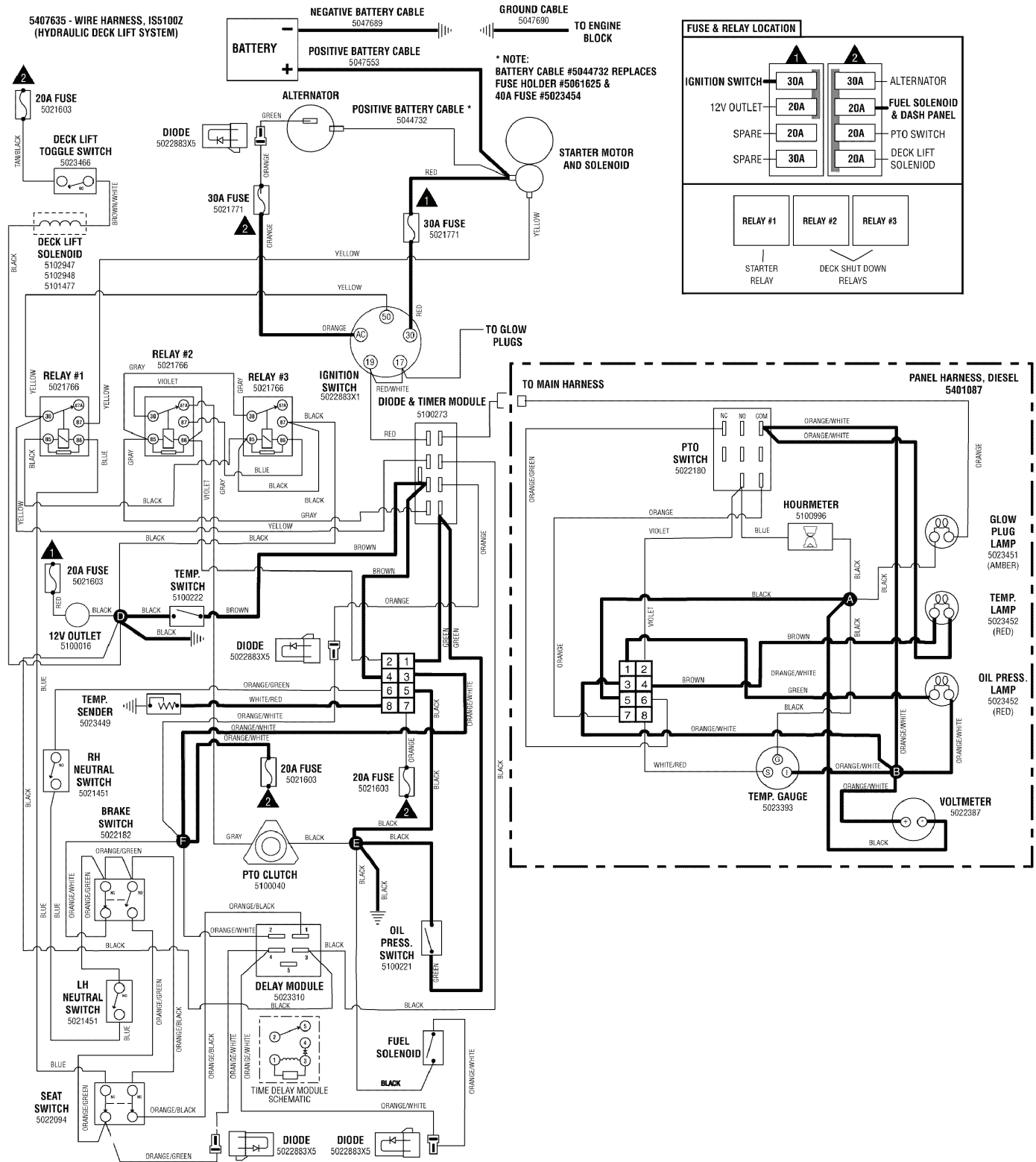


The above parts group applies to the following Mfg. Nos.:

- 5900996 (IS5100ZC33D61RDCE)
- 5901013 (IS5100ZC33D61)
- 5901011 (IS5100ZC33D)
- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)
- 5900995 (IS5100ZC33DCE)

Electrical Schematic - Gauges & Lamps Circuit - S/N: 2015208487 & Below

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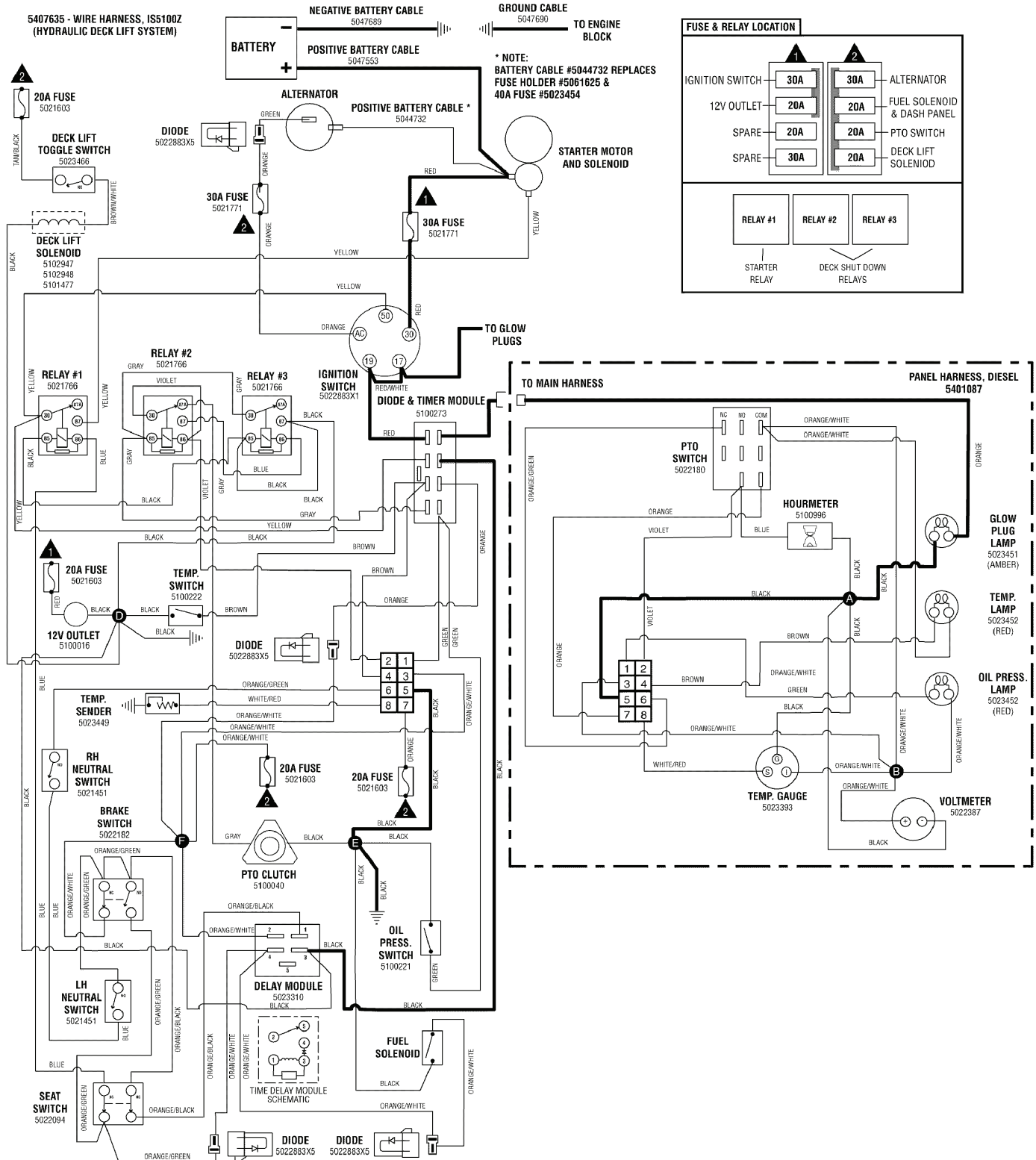


The above parts group applies to the following Mfg. Nos.:

- 5900995 (IS5100ZC33DCE)
- 5900996 (IS5100ZC33D61RDCE)
- 5901013 (IS5100ZC33D61)
- 5901011 (IS5100ZC33D)
- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)

Electrical Schematic - Glow Plug Heat Circuit - S/N: 2015208487 & Below

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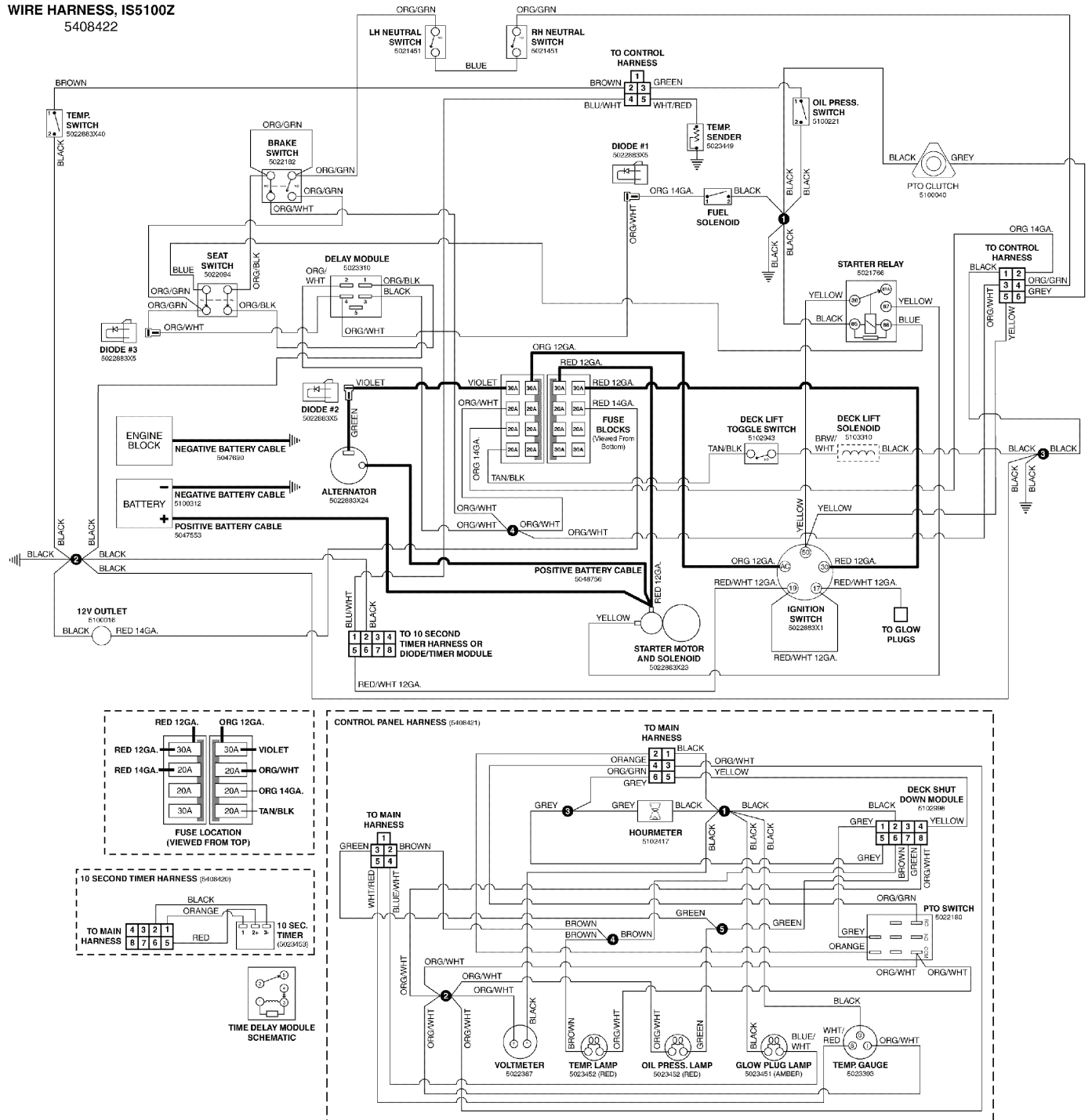


The above parts group applies to the following Mfg. Nos.:

- 5900995 (IS5100ZC33DCE)
- 5900996 (IS5100ZC33D61RDCE)
- 5901013 (IS5100ZC33D61)
- 5901011 (IS5100ZC33D)
- 5900507 (IS5100ZC33D ANSI)
- 5900979 (IS5100Z/C33D61 ANSI)

5408422C

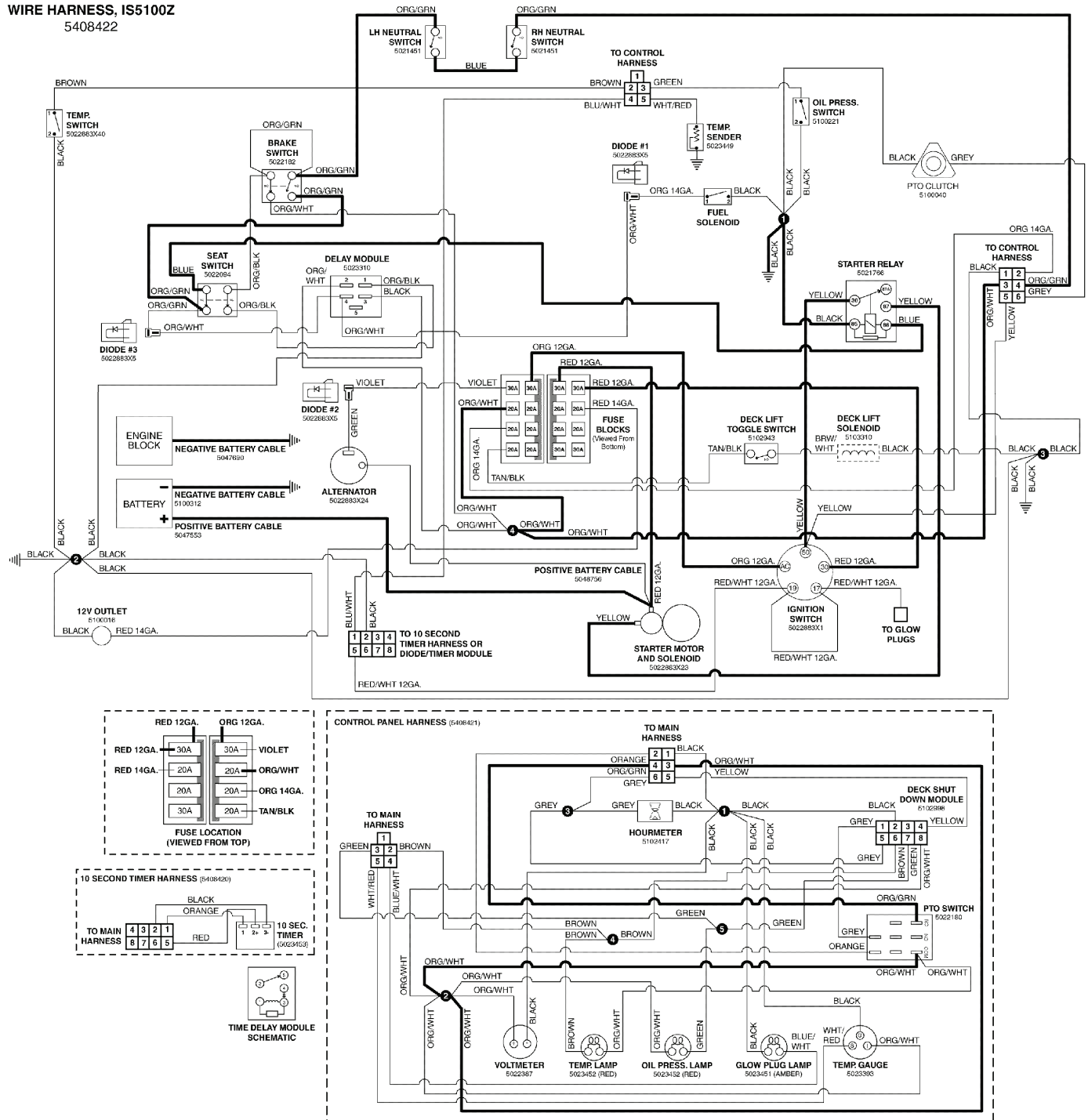
WIRE HARNESS, IS5100Z
5408422



The above parts group applies to the following Mfg. Nos.:
5900507 (IS5100ZC33D ANSI)

5408422R

WIRE HARNESS, IS5100Z
5408422



The above parts group applies to the following Mfg. Nos.:
5900507 (IS5100ZC33D ANSI)

5408422S

WIRE HARNESS, IS5100Z

5408422

The diagram illustrates the electrical system for a vehicle, showing the connection of various components to the battery and alternator. The main components include:

- Battery:** 12V BATTERY, 5100312, with positive and negative cables.
- Alternator:** 5022893X24, connected to the positive battery cable.
- Engine Block:** 5047690, connected to the negative battery cable.
- Wiring Harness:** 5408422, which branches out to various components.
- Switches and Controls:** Includes a BRAKE SWITCH (5022102), SEAT SWITCH (5022094), DELAY MODULE (5023310), and various other switches for the starter, fuel, and deck lift.
- Gauges and Lamps:** Includes a TEMP. GAUGE (5023393), OIL PRESS. LAMP (5023452), and a GLOW PLUG LAMP (5023451).
- Connectors:** Various connectors are shown, including a 12V OUTLET (5100316) and a 10 SECOND TIMER HARNESS (5408420).

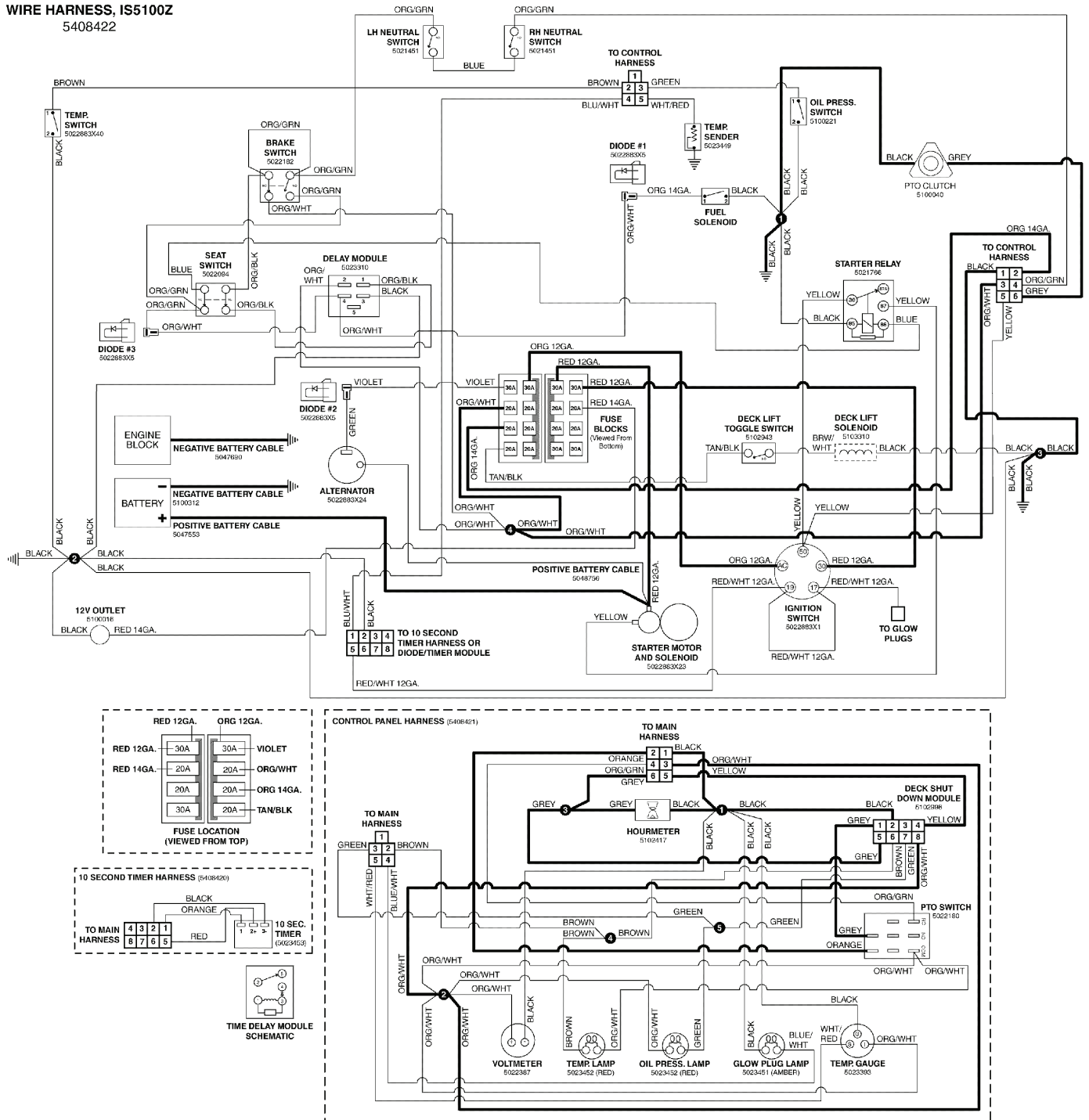
The diagram uses color-coded wires to identify different circuits. Key wire colors include: BROWN, BLUE, ORG/GRN, ORG/WHT, ORG/BLK, VIOLET, GREEN, RED, TAN/BLK, BLACK, GREY, YELLOW, and ORG/14GA. Terminal numbers are provided for many components, such as 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

TP 400-7471-L-5Z-F

Electrical Schematic - PTO & Hourmeter Circuit - S/N: 2015208488 & Above

5408422P

WIRE HARNESS, IS5100Z 5408422



The above parts group applies to the following Mfg. Nos.:
5900507 (IS5100ZC33D ANSI)

5408422G

WIRE HARNESS, IS5100Z
5408422

This diagram illustrates the electrical wiring for a vehicle, organized into several functional sections:

- Main Power Distribution:** Shows the connection from the BATTERY (+) through FUSE BLOCKS (viewed from bottom) to various components. Key wires include NEGATIVE BATTERY CABLE (5047693), POSITIVE BATTERY CABLE (5047553), and a 12V OUTLET (5100316).
- Control Panel Harness (5-608-421):** A central hub connecting to various instruments and controls:
 - VOLTMETER (5022387):** Connected via ORG/WHT.
 - TEMP LAMP (5023452 (RED)):** Connected via BROWN.
 - OIL PRESS. LAMP (5023432 (RED)):** Connected via GREEN.
 - GLOW PLUG LAMP (5023451 (AMBER)):** Connected via BLACK.
 - TEMP GAUGE (5023393):** Connected via WHT/RED.
 - HOURMETER (5102417):** Connected via GREY.
 - DECK SHUT DOWN MODULE (5102098):** Connected via multiple colors including GREY, BROWN, GREEN, and ORG/WHT.
 - PTO SWITCH (5022160):** Connected via ORG/WHT.
- Starter System:** Includes the STARTER MOTOR AND SOLENOID (5022863X23), DECK LIFT TOGGLE SWITCH (5102042), and DECK LIFT SOLENOID (5103310). Connections involve RED 12GA, RED 14GA, and TAN/BLK wires.
- Safety and Diagnostic Components:**
 - FUEL SOLENOID:** Controlled by ORG 14GA.
 - OIL PRESS. SWITCH (5100221):** Monitors oil pressure.
 - TEMP SENDER (5023419):** Provides temperature readings.
 - DIODE #1 (5022859X5) and DIODE #2 (5022863X5):** Used for signal isolation.
- Timing and Control Modules:**
 - TO 10 SECOND TIMER HARNES OR DIODE/TIMER MODULE:** Receives signals via BLU/WHT, BLACK, and RED/WHT 12GA.
 - DELAY MODULE (5023310):** Manages timing for various functions.
- Other Components:** Includes SEAT SWITCH (5022094), BRAKE SWITCH (5022182), LH/RH NEUTRAL SWITCH (5021451), and PTO CLUTCH (5100040).

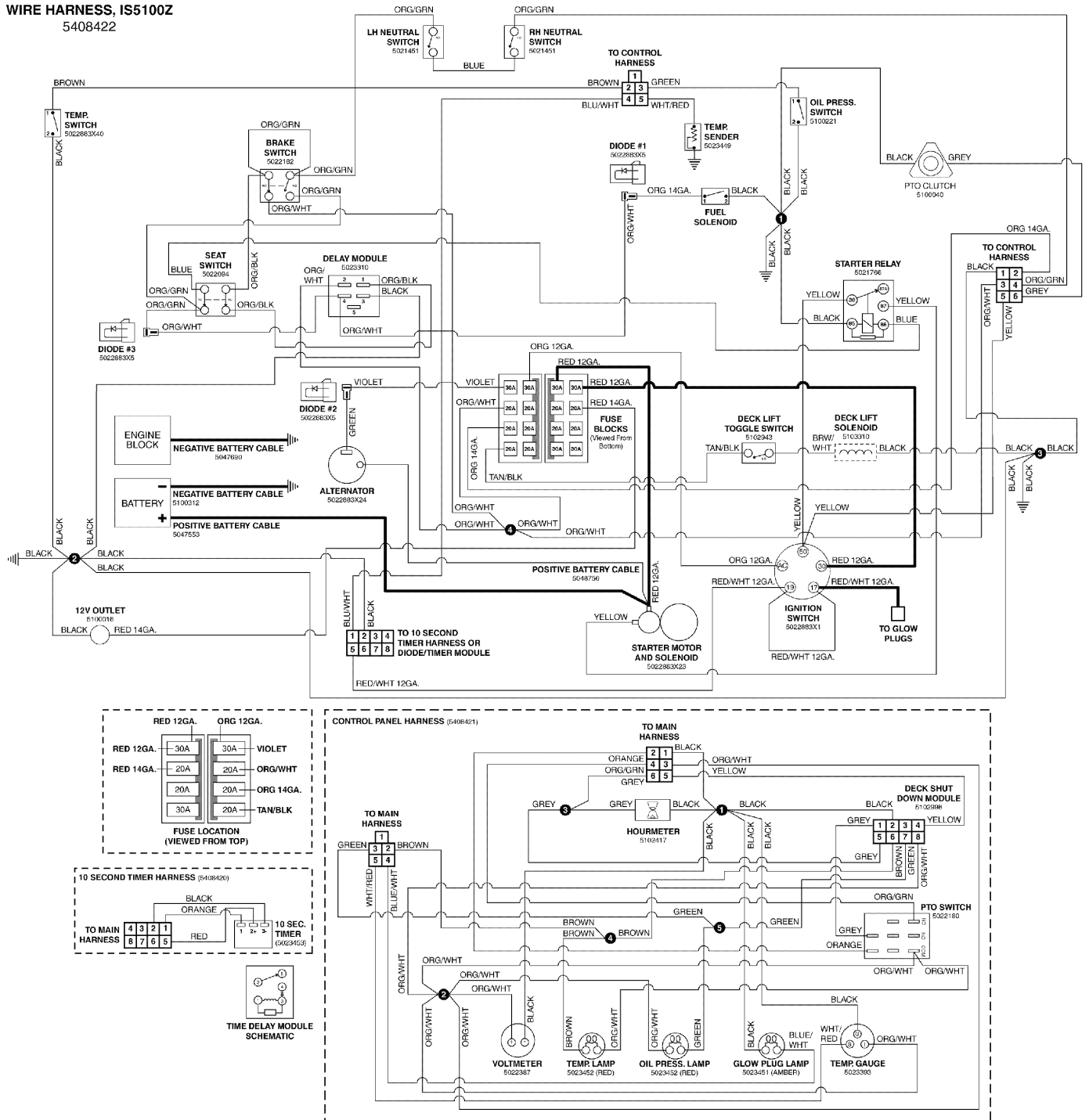
The diagram uses color-coded wires and standardized symbols for electrical components to ensure precise installation.

TP 400-7471-L-5Z-F

Electrical Schematic - Glow Plug Heat Circuit - S/N: 2015208488 & Above

5408422H

WIRE HARNESS, IS5100Z 5408422



The above parts group applies to the following Mfg. Nos.:
5900507 (IS5100ZC33D ANSI)

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Carriage Bolt



Washer



Lockwasher



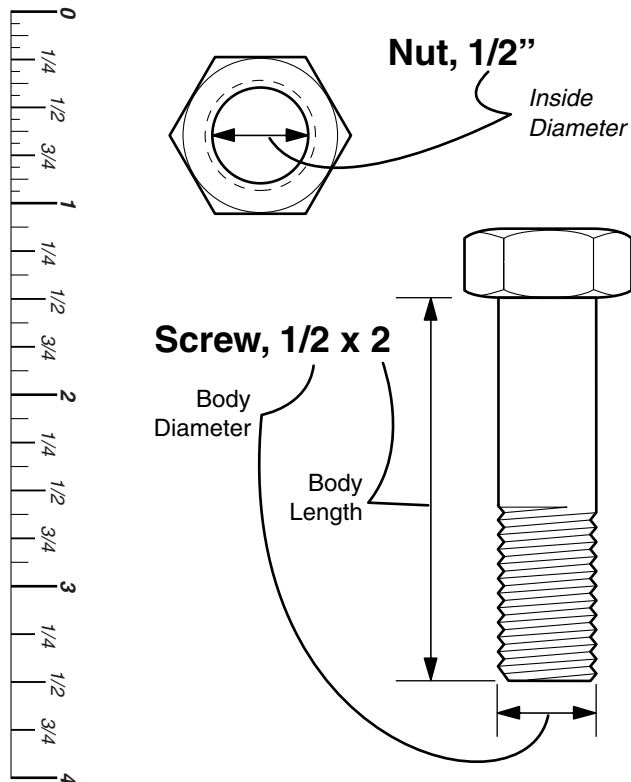
Hex Nut

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 x 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

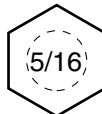
NOTES

- 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.

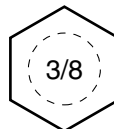
Wrench & Fastener Size Guide



1/4" Bolt or Nut
Wrench—7/16"



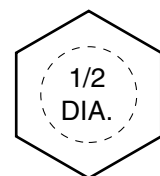
5/16" Bolt or Nut
Wrench—1/2"



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 IS5100Z Series

Zero-Turn Riding Mower

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