



Parts Manual IS500Z Series Zero-Turn Riding Mower



Models:	Description:
5900770	IS500Z Series w/ 61" iCD Mower Deck & ROPS (IS500ZB2661)
5900841	IS500Z Series w/ 52" iCD Mower Deck & ROPS AUS/NZ (IS500ZB2652 AUS/NZ)
5900842	IS500Z Series w/ 52" iCD Mower Deck & ROPS (IS500ZB2652)
5900957	IS500Z Series w/ 52" iCD Mower Deck & ROPS (IS500ZB2752)
5900958	IS500Z Series w/ 61" iCD Mower Deck & ROPS (IS500ZB2761)
5900981	IS500Z Series w/ 52" iCD Mower Deck & ROPS ANSI EXP (IS500ZB2752 ANSI-EXP)

Briggs and Stratton Power Products Group, LLC.

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

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Revision Z
Rev. Date: 6/22/12
TP 400-7435-Z-50-F

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MODEL COMPONENTS	PAGE
Main Frame & Front Suspension Group	4
Rear Bumper & ROPS Group	6
Seat Mount & Floor Group (S/N: 2012600080 & Above)	8
Fuel Tank & Mount Group	10
Instrument & Control Panel Group	12
Engine & PTO Group - Models w/ 52" & 61" iCD Mower Decks	14
Engine Service Parts - Briggs & Stratton Professional Series	16
Pump Drive Group	18
Motion Control Group	20
Hydraulic Mount Group	24
Hydraulic Group	26
Hydraulic Components Service Group	28
Parking Brake Group	30
Rear Suspension Group	32
Deck Lift Group	34
Wheel & Tire Group	38
Decals - Brand & Model	40
Decals - Safety & Operation	42
Decals - Safety & Operation - ANSI EXP	44
Evap Canister Group	46
52" Mower Deck - Rollers & Casters	48
61" Mower Deck - Pulleys, Belts & Idler Arm	50
61" Mower Deck - Housing, Covers, Spindles & Blades	52
61" Mower Deck - Hanger Chains	54
61" Mower Deck - Rollers & Casters	56
52" Mower Deck - Hanger Chains	58
52" Mower Deck - Housing, Covers, Spindles & Blades Group	60
52" Mower Deck - Pulleys, Belts & Idler Arm	62
Spindle Service Parts - 5061095	64
Electrical Group - Briggs & Stratton	66
Electrical Schematics - Briggs & Stratton	68-71
Torque Specification Chart	Inside Back Cover

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Main Frame & Front Suspension Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5021072	2	SEAL, GREASE
2	5025303	4	SCREW, 5/16-18 X 1 FLAT HD SC
3	5025057	4	NUT, 5/16-18 HEX NYLON LOCK
4	5025165	6	WASHER, 3/8" FENDER
5	5025156	4	WASHER, 3/8" SAE
6	5025013X14	1	BOLT, 3/8-16 X 1-3/4" GD5
7	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
8	5025013X32	1	BOLT, 3/8-16 X 4" GD5
9	5025265X52	1	BOLT, 3/4-16 X 6-1/2" YZ GD5
10	5025160	3	WASHER, 3/4" SAE
11	5025284	1	NUT, 3/4-16 HEX NYLON LOCK
12	5023483	2	SHOCK, SPRING ASSEMBLY
13	5402539B	2	WELD, CASTER YOKE, IS500Z - RED
14	5020884	4	BEARING, TAPERED ROLLER, 1"
15a	5402536B	1	WELD, FRONT PIVOT, IS500Z - RED (44" & 52" Models)
15b	5403810B	1	WELD, PIVOTING FRONT END - RED (61" Models)
16	5047489	1	SPACER, .75 X 1.00 X 2.38
17	5022852	1	PIVOT BEARING, 1.00" X 1.125" OD X 1.50"
18	5100358	1	PIVOT BEARING, 1.00" X 1.125" OD X .50"
19	5102929	2	CAP, LOW PROFILE, STEEL
20	5102702	2	PAD, FRICTION, .375 X 1.25 X 4.00
21	5403394B	1	WELD, IS500 MAIN FRAME - RED
22	5025449	4	WASHER, BELLEVILLE
23	5025448	2	NUT, 3/4-16, HEX JAM NYLON LOCK
24	5020883	4	BEARING CUP
25	5025457	2	BOLT, 1/4-28 X 1/2" GD5 YZ
26	1722009	1	STRAP-BLACK RUBB

Footnotes

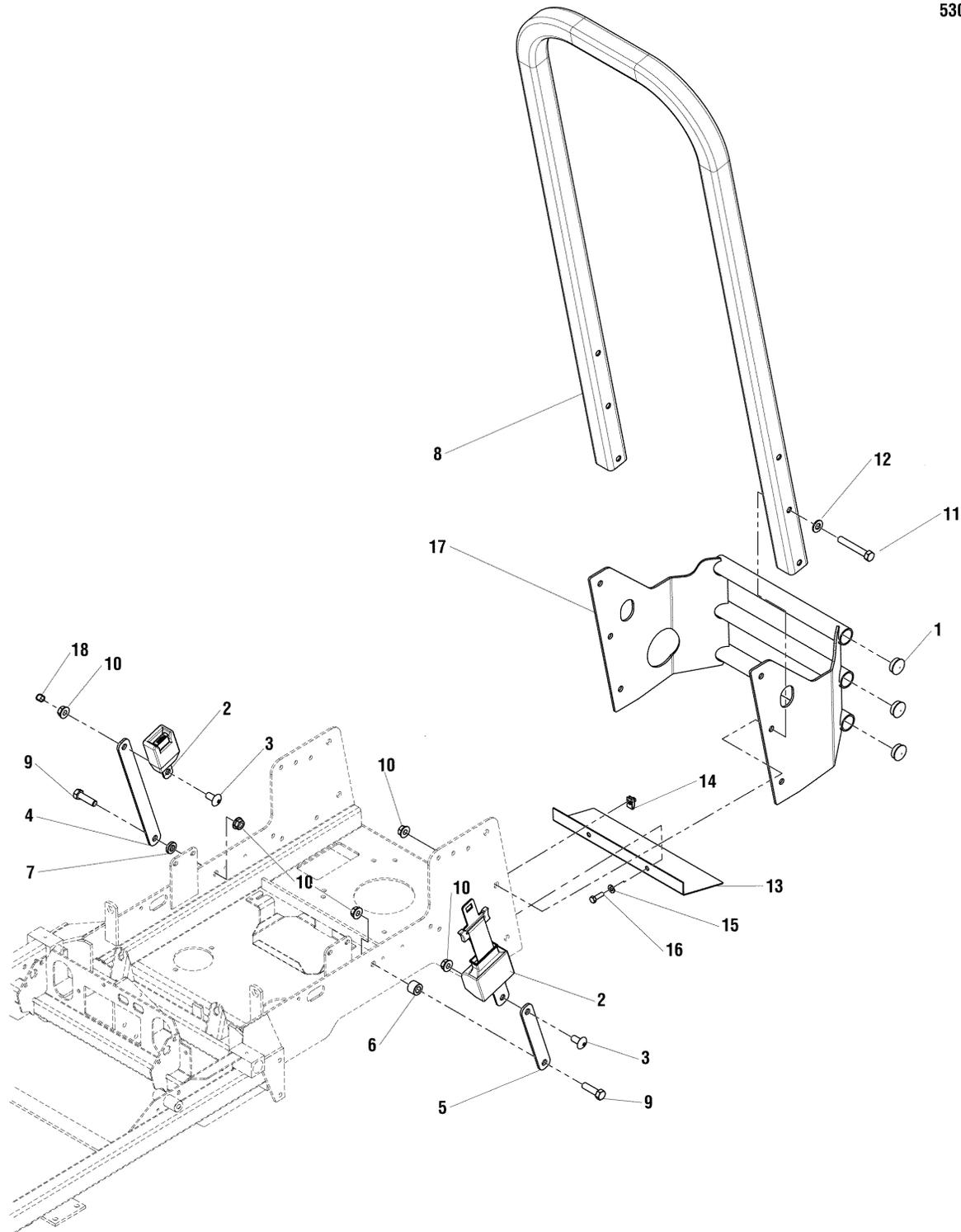
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Rear Bumper & ROPS Group

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

5300778



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- 5900958 (IS500ZB2761)

Rear Bumper & ROPS Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5023484	6	PLUG, PANEL, 1.25 - BLACK
2	5100139	1	SEAT BELT, RETRACTING - ASSM
3	5100267	2	SCREW, 1/2-13 X 1.00, SHCS
4	5400847A	1	MOUNT, SEAT BELT - RH - BLK
5	5400844A	1	PLATE, SEAT BELT ANCHOR - BLK
6	5045178	1	SPACER, .52 X 1.00 X .75
7	5100520	1	SPACER, .515 X 1.00 X .218
8	5101730	1	ROPS, IS500Z
9	5025017X14	2	BOLT, 1/2-13 X 1-3/4 GD5 YZ
10	5025396	10	NUT, 1/2-13 HEX NYLOCK FLANGE
11	5025017X26	6	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, YZ
12	5025158	6	WASHER, 1/2" SAE
13	5402618A	1	PLATE, HEAT SHIELD - IS500Z - BLK
14	5022308	2	BODY CLIP, 5/16-18 X 1/2" DEEP
15	5025155	2	WASHER, 5/16" SAE
16	5025011X8	2	BOLT, 5/16-18 X 1" GD5 YZ
17	5402547B	1	WELD, BUMPER - IS500Z - RED
18	5101049	1	CAP, VINYL

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Seat Mount & Floor Group (S/N: 2012600080 & Above)

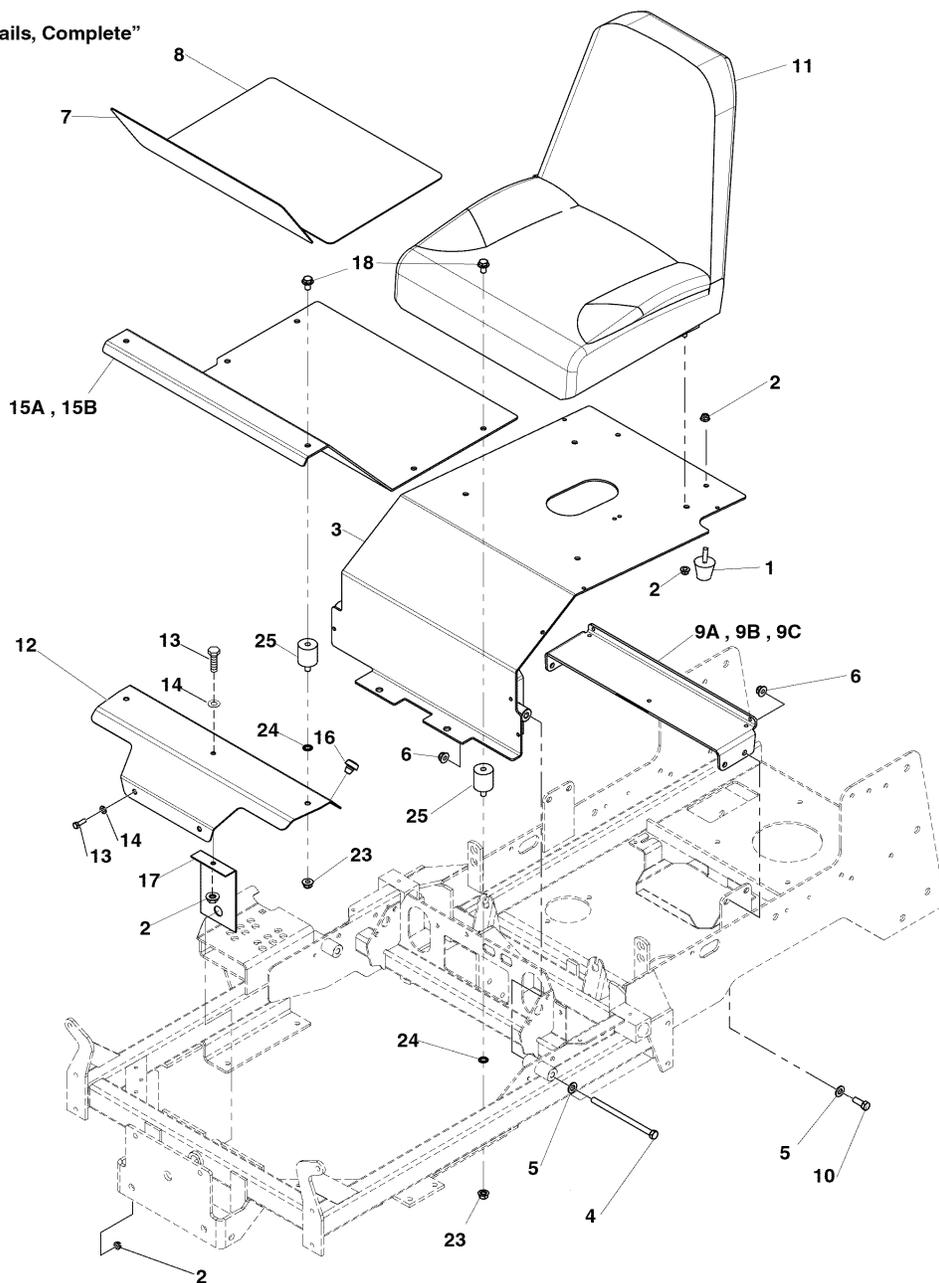
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Seat Replacement Parts

20 - "Kit, Arm Rest (Set of Two)"

21 - "Spring, Seat Adjustment"

22 - "Kit, Seat Rails, Complete"



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Seat Mount & Floor Group (S/N: 2012600080 & Above)

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022612	2	BUMPER, RUBBER 5/16-18
2	5025392	9	NUT, 5/16-18 HEX NYLOCK FLANGE
3	5600286	1	ASSM, SEAT PLATE W/ DECALS
4	5025013X48	2	BOLT, 3/8-16 X 6" GD5 YZ
5	5025156	6	WASHER, 3/8" SAE
6	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5101007	1	SAFETY WALK, 17.17 X 6.00
8	5100999	1	SAFETY WALK, 17.13 X 11.50
9a	5403754B	1	PLATE, SEAT SUPPORT (44" & 52" - S/N: 2012635842 & Above)
9b	5402688B	1	WELD, SEAT SUPPORT (44" & 52" - S/N: 2012635841 & Below)
9c	5403632B	1	PLATE, SEAT SUPPORT (61" Models)
10	5025013X8	4	BOLT, 3/8-16 X 1" GD5 YZ
11	5100909	1	SEAT, NO ARM REST
12	5403389B	1	PLATE, FLOOR PAN, FRONT - IS500Z
13	5025011X8	3	BOLT, 5/16-18 X 1" GD5 YZ
14	5025292	2	WASHER, 5/16" GD.9 FLAT
15a	5407719B	1	PLATE, FLOOR, REAR, IS500 - RED (S/N: 2014671677 & Above)
15b	5403390B	1	PLATE, FLOOR PAN, REAR - IS500Z (S/N: 2014671676 & Below)
16	197546	2	MNT, VBRTN
17	5403403B	1	PLATE, SUPPORT, FRONT FLOOR
18	5025481	6	BOLT, 3/8-18 X 5/8, FLANGE SERRATED
20	1686907	1	KIT, ARM REST (SV)
21	5100636	1	SPRING, SEAT ADJUSTMENT (SV)
22	5061599X1	1	KIT, SEAT RAILS (SV)
23	5025128	6	NUT, 3/8-16 HEX SERRATED FLANGE
24	5025480	6	WASHER, 3/8" INT TOOTH LOCK
25	35097	6	MNT, VBRTN, 30 DURO

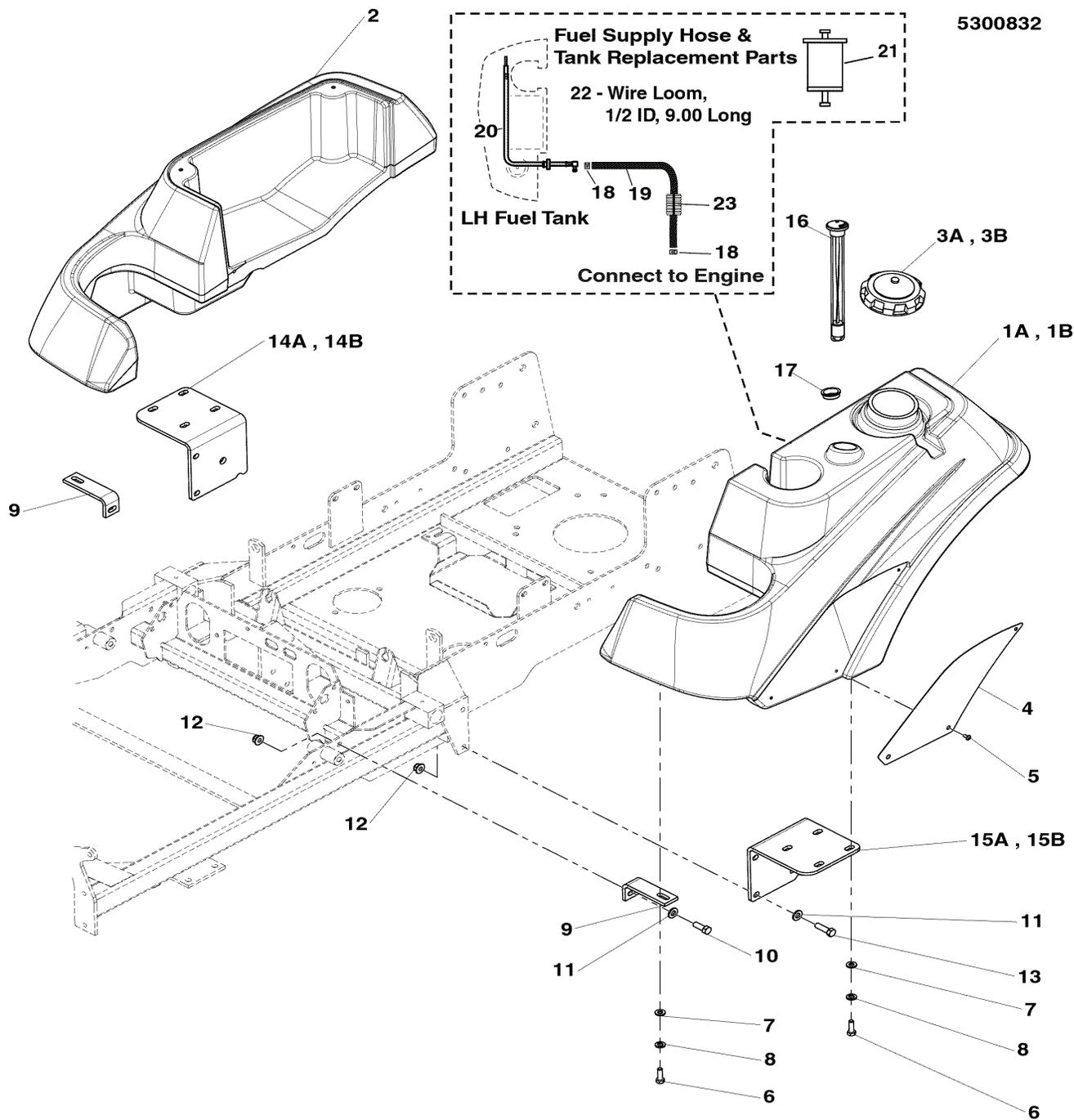
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Fuel Tank & Mount Group

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



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- 5900958 (IS500ZB2761)

Fuel Tank & Mount Group

REF NO	PART NO.	QTY.	DESCRIPTION
1a	5103176	1	TANK, FUEL, LH, 1500Z (S/N: 2014923026 & Above)
1b	5049947	1	TANK, FUEL, IS1500Z/IS500Z - LH (S/N: 2014923025 & Below)
2	5049948	1	TANK, FENDER, IS1500Z/IS500Z - RH
3a	5103005	1	FUEL CAP, 3-1/2", MANAGED VENT OUT, 12" (S/N: 2014923026 & Above)
3b	5101651	1	CAP, FUEL TANK, 3-1/2" NECK (S/N: 2014923025 & Below)
4	5400250B	2	BADGE, IS1500Z, RED
5	5025386	6	SCREW, #10-24 X 3/8" ALLEN BHBZ
6	5025011X8	10	BOLT, 5/16-18 X 1" GD5 YZ
7	5025292	10	WASHER, 5/16" GD.9 FLAT
8	5025170	10	WASHER, 5/16" LOCK
9	5400012A	2	MOUNT, TANK, FRONT - BLK
10	5025013X8	2	BOLT, 3/8-16 X 1" GD5 YZ
11	5025293	6	WASHER, 3/8" GD.9 FLAT
12	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5
14a	5402557A	1	WELD, TANK MOUNT-RH-IS500Z - BLK (44" & 52" Models)
14b	5404655A	1	WELD, TANK MOUNT - BLK (61" Models)
15a	5402556A	1	WELD, TANK MOUNT-LH-IS500Z - BLK (44" & 52" Models)
15b	5404656A	2	WELD, TANK MOUNT - LH - BLK (61" Models)
16	5022917	1	GAUGE, FUEL 12"
17	5022917X1	1	GROMMET, FUEL GAUGE
18	5020835	2	CLAMP, HOSE EXTERNAL, 1/2 - RED
19	5050831X22	1	HOSE, 1/4" FUEL, 22.00"
20	5101149	1	HOSE ASSEMBLY (SV)
21	5021178X3	1	FUEL FILTER (SV)
22	5050833X11	1	WIRE LOOM, 1/2 ID, 11.00 LONG
23	5050833X18	1	WIRE LOOM, 1/2 ID, 18.00 LONG

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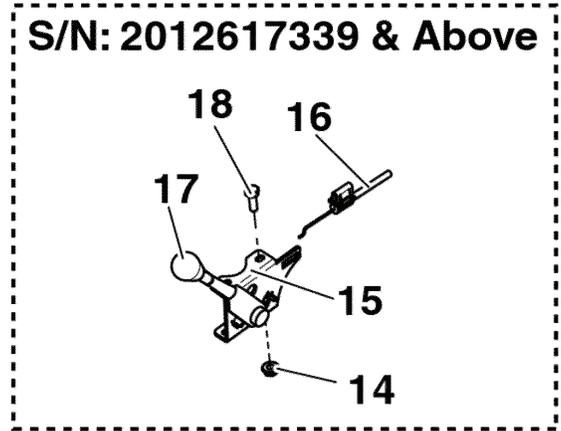
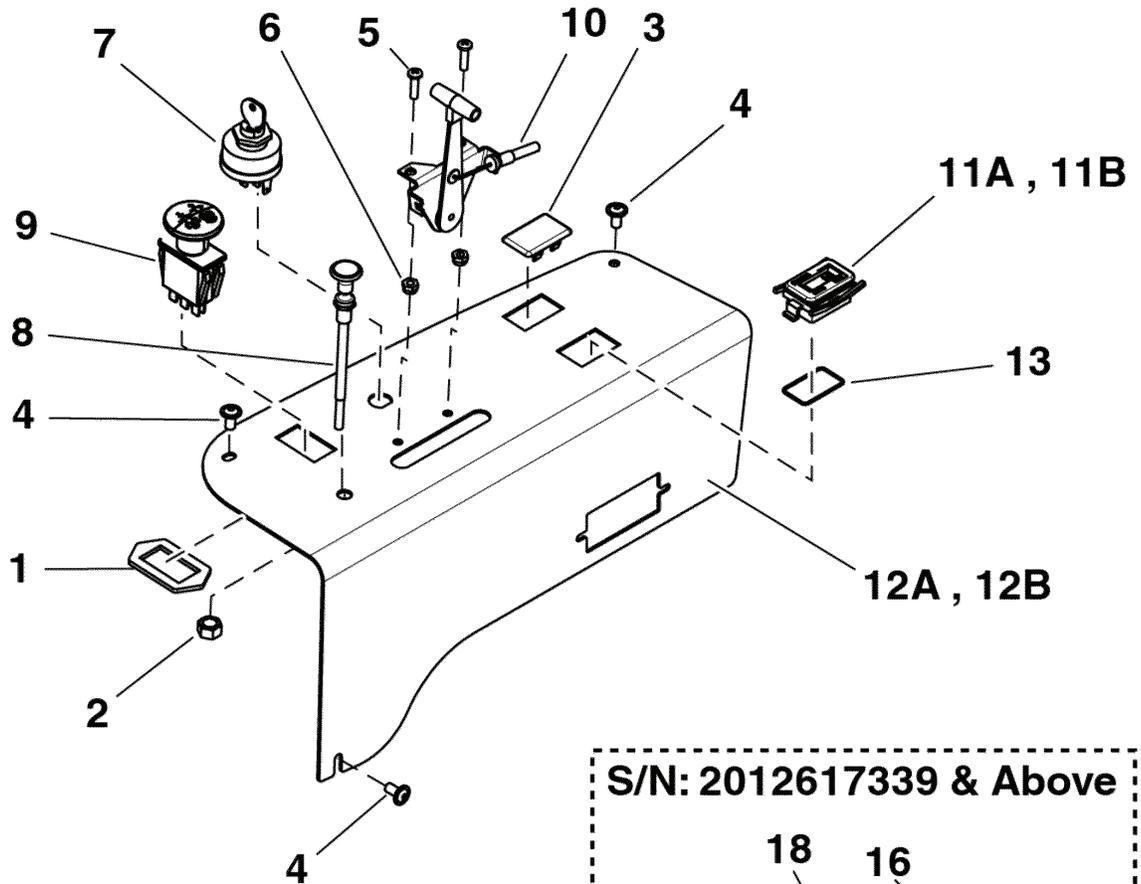
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Instrument & Control Panel Group

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5300813



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- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Instrument & Control Panel Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022222	1	RING, SWITCH RETAINER
2	5025309	1	NUT, 3/8-24 HEX JAM
3	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
4	5025299X4	3	SCREW, 1/4-20 X 1/2" ALLEN BH
5	5025010X5	2	BOLT, 1/4-20 X 5/8" GD5 YZ (S/N: 2012617338 & Below)
6	5025095	2	NUT, 1/4-20 HEX NYLON LOCK (S/N: 2012617338 & Below)
7	5020927	1	SWITCH, IGNITION, 6 POST (See Electrical Group for parts breakdown)
8	5047779	1	CABLE, CHOKE CONTROL, 51" (Z)
9	5022180	1	SWITCH, BLADE ENGAGEMENT
10	5021887	1	CABLE, THROTTLE CONTROL, 45" (S/N: 2012617338 & Below)
11a	5409263	1	* HOUR METER, ASSEMBLY (S/N: 2015551938 & Above)
11b	5102417	1	HOUR METER (S/N: 2015551937 & Below)
12a	5403402A	1	PLATE, CONTROL PANEL - BLK (S/N: 2012617339 & Above)
12b	5061361A	1	PANEL, CONTROL 1500Z (S/N: 2012617338 & Below)
13	5022269	1	O-RING, 7/8" ID X 1/16" W
14	5025271	2	NUT, #10-24 HEX NYLON LOCK (S/N: 2012617339 & Above)
15	5101537	1	LEVER, THROTTLE CONTROL (S/N: 2012617339 & Above)
16	5101073	1	CABLE, THROTTLE, 42" (S/N: 2012617339 & Above)
17	5046360X1	1	KNOB, THROTTLE CONTROL (SV) (S/N: 2012617339 & Above)
18	5025179X6	2	SCREW, #10-24 HEX NYLON LOCK (S/N: 2012617339 & Above)

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Footnotes

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

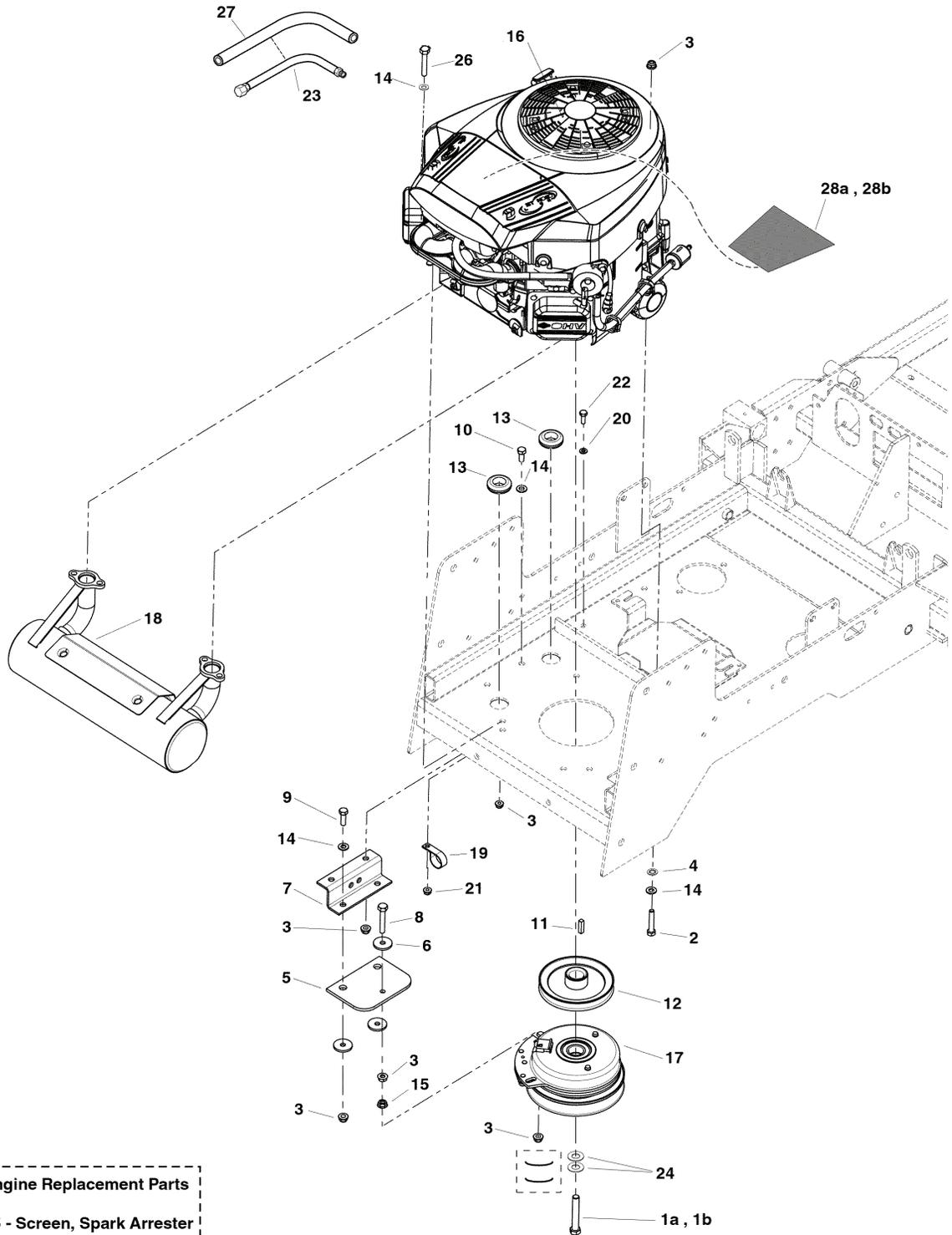
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5900958 (IS500ZB2761)

Engine & PTO Group - Models w/ 52" & 61" iCD Mower Decks

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

5300779B



Engine Replacement Parts
25 - Screen, Spark Arrester

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

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- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Engine & PTO Group - Models w/ 52" & 61" iCD Mower Decks

REF NO	PART NO.	QTY.	DESCRIPTION
1a	5102866	1	BOLT, CRANKSHAFT, 7/16-20 X 3, GD8 (S/N: 2015745414 & Above)
1b	5102865	1	BOLT, CRANKSHAFT, 7/16-20X2-3/4, GD8 (S/N: 2015745413 & Below)
2	5025011X12	2	BOLT, 5/16-18 X 1-1/2" GD5 YZ
3	5025392	10	NUT, 5/16-18 HEX NYLOCK FLANGE
4	5025188	2	WASHER, 5/16" INT. TOOTH LOCK
5	5043636	1	CLUTCH ANCHOR PAD
6	5044617	3	WASHER, .34 X 1.25 X 10 GA
7	5046416A	1	ANCHOR, CLUTCH - BLK
8	5025055X16	1	BOLT, 5/16-18 X 2" GD5 TFL
9	5025011X8	2	BOLT, 5/16-18 X 1" GD5 YZ
10	5025011X6	2	BOLT, 5/16-18 X 3/4" GD5
11	5050407X8	1	KEY, 1/4" X 1"
12	5102754	1	PULLEY, CRANKSHAFT, 1.0005 ID X 4.95 OD
13	5021379	2	GROMMET, 7/8
14	5025155	8	WASHER, 5/16" SAE
15	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
16	-	1	ENGINE, BRIGGS & STRATTON
17	5101529	1	CLUTCH, WARNER
18	5100907	1	MUFFLER, B&S
19	5021500	1	CLAMP, VINYL INSULATED
20	5025154	1	WASHER, 1/4" SAE
21	5025391	1	NUT, 1/4-20 HEX NYLOCK FLANGE
22	5025010X6	1	BOLT, 1/4-20 X 3/4" GD5 YZ
23	5048681	1	HOSE, OIL DRAIN
24	5025585	2	BELLEVILLE WASHER 1.1875 X .442 X .089 (S/N: 2015745414 & Above)
25	5101641	1	SCREEN, SPARK ARRESTER
26	5025011X14	2	BOLT, 5/16-18 X 1-3/4" GD5 YZ
28a	279027	1	LABEL, POWER (44P777 Engines)
28b	279789	1	LABEL, POWER (44Q777 Engines)
29	5050833X11	1	WIRE LOOM, 1/2" ID, 11"

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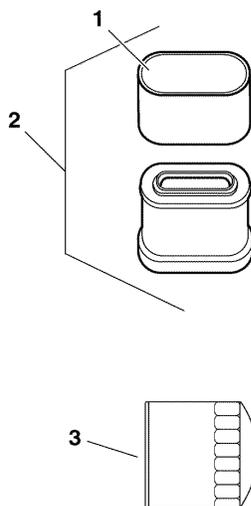
Engine Service Parts - Briggs & Stratton Professional Series

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0001BSPS

Fits Briggs & Stratton Professional Series Engine Model Numbers:

44Q777



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Engine Service Parts - Briggs & Stratton Professional Series

REF NO	PART NO.	QTY.	DESCRIPTION
1	792303	1	FILTER-PRE CLEANER (276655)
2	5100927X2	1	AIR CLEANER ELEMENT, 26HP ELS, B & S (792105)
3	5100927X1	1	OIL FILTER, 26HP ELS, BRIGGS & STRATTON (795890)

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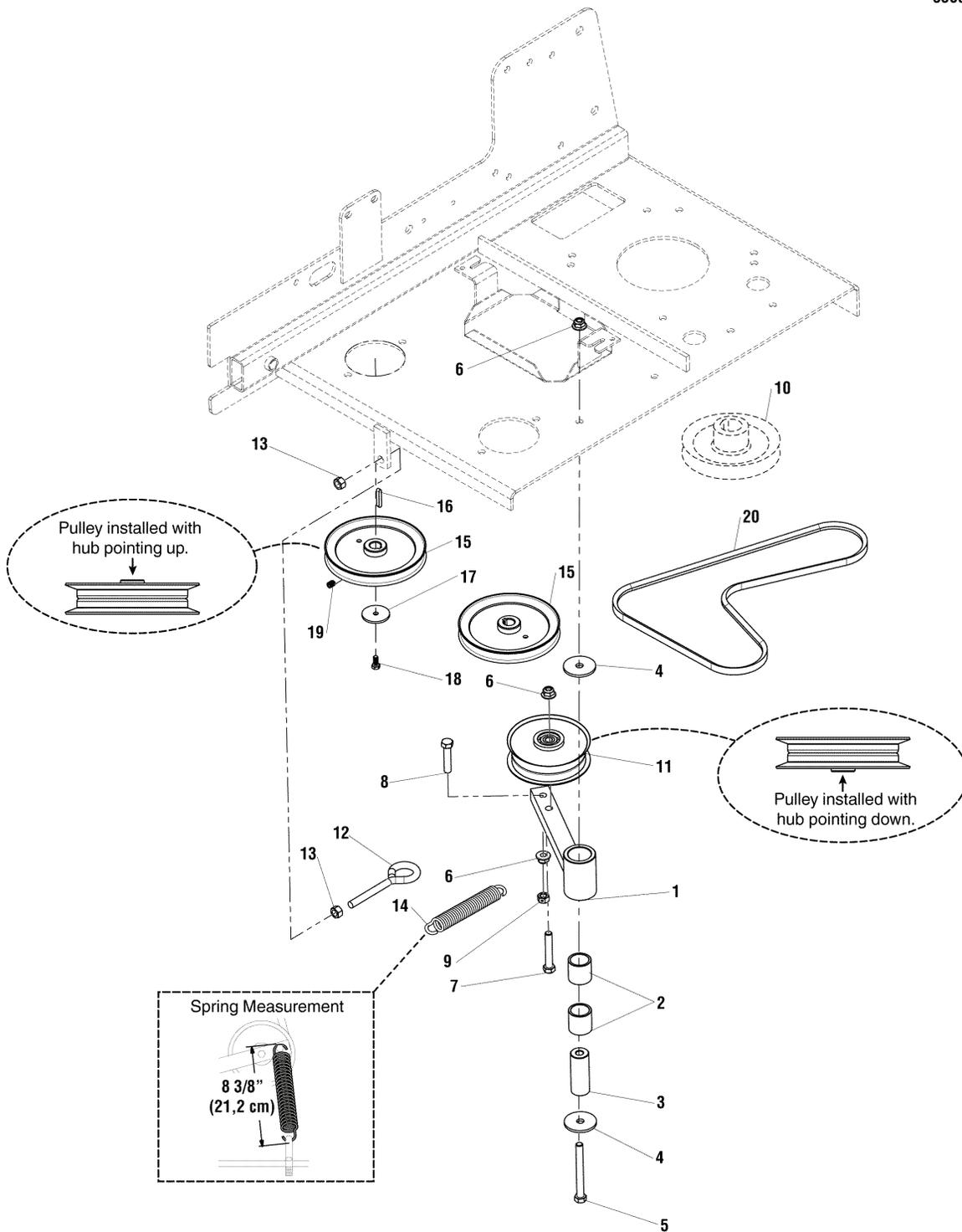
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Pump Drive Group

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5300780



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- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Pump Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5046430A	1	WELD, ARM, PUMP DRIVE IDLER - BLK
2	5022157	2	BUSHING, BRASS, 1.25X1X1.25
3	5102004	1	SPACER, .39 X 1.00 X 2.55, SS
4	5025305	2	WASHER, .41 X 1.75 X .14
5	5025013X28	1	BOLT, 3/8-16 X 3-1/2" GD5 YZ
6	5025394	3	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 YZ
8	5025013X14	1	BOLT, 3/8-16 X 1-3/4" GD5
9	5025100	1	NUT, 3/8-16 HEX SIDE LOCK
10	-	1	PULLEY CRANKSHAFT (SEE ENGINE & PTO GROUP)
11	5101380	1	PULLEY, FLAT IDLER, 4.06 X .75 W
12	5025429	1	EYE BOLT, 3/8-16 X 4, 2-1/8 OF THREAD
13	5025034	2	NUT, 3/8-16 HEX
14	5022847	1	SPRING, EXTENSION, SWIVEL END
15	5100912	2	PULLEY, PUMP DRIVE
16	5023254	2	KEY, 5MM SQ. W/ RADIUS
17	5044577	2	WASHER, .265 X 1.50 X .109, YZ
18	5023215	2	CAPSCREW, HEX HEAD M6-1.0X 14MM
19	5025531	4	SET SCREW, 5/16-18 X 3/8, KNUURL, W/PATCH
20	5100923	1	BELT, #7-9502, B-SECT - EL 67.8, HYDRO

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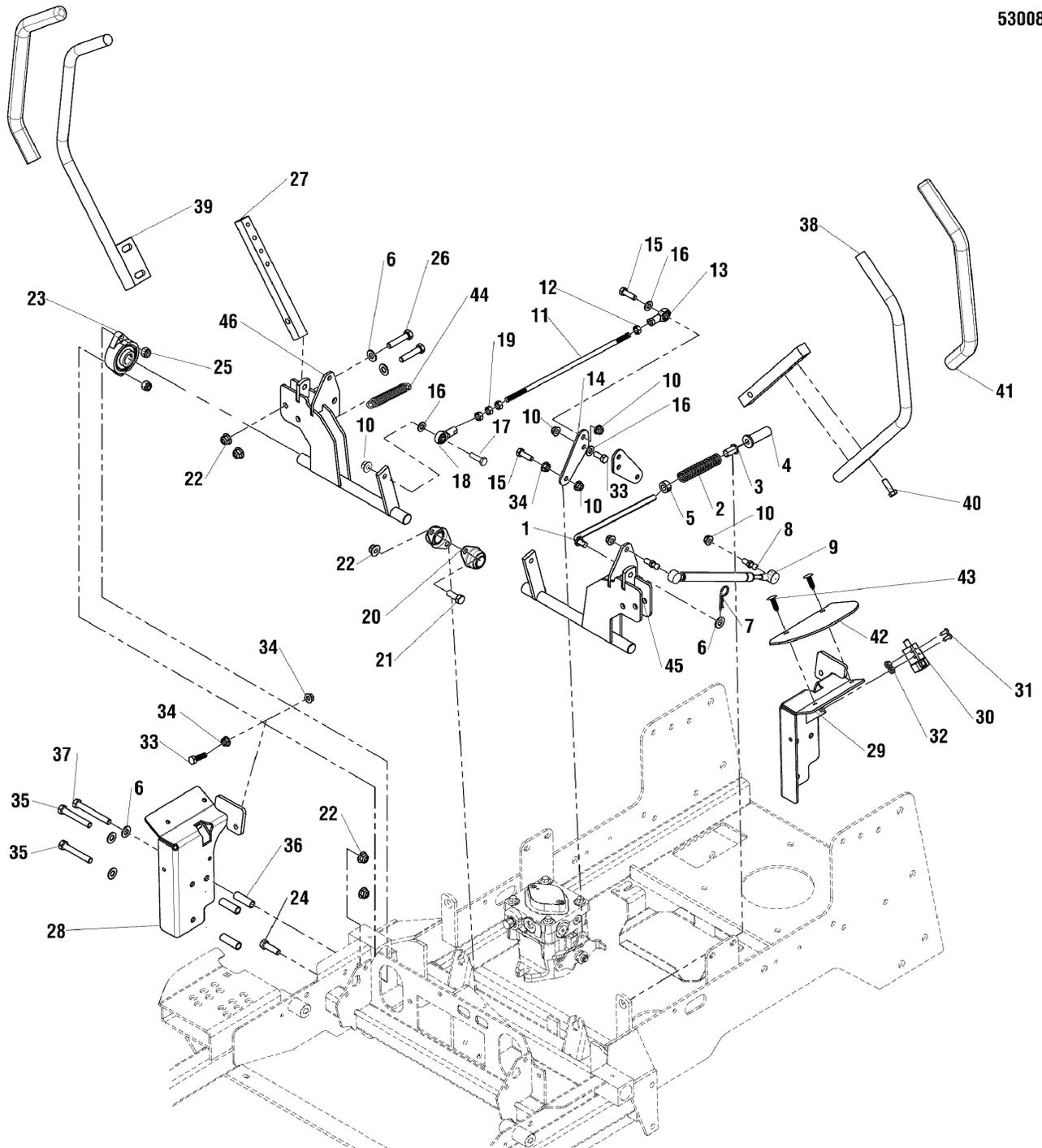
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5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Motion Control Group

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

5300815



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Motion Control Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5100947	2	ROD, NEUTRAL RETURN
2	5022645	2	SPRING, REVERSE RETURN
3	5023260	2	BUSHING, NYLON
4	5100942	2	BUSHING, FLANGED .375 X .630 X 2.00
5	5010546	2	COLLAR, 3/8" SET
6	5025156	12	WASHER, 3/8" SAE
7	5025210	2	PIN, HAIR, .0915 X 1-7/8
8	5100941	4	BALL STUD, 5/16 X .50,# PC-477-2)
9	5100940	2	DAMPENER, CONTROL,#(P6709/P3610)
10	5025392	12	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5100946	2	ROD, HYDRO LINKAGE
12	5023212	2	NUT, 5/16-24 HEX, LH
13	5022628	2	BALL JOINT, 5/16-24, LH FEMALE
14	5402622A	2	PLATE, PUMP SUPPORT - BLK
15	5025011X8	4	BOLT, 5/16-18 X 1" GD5 YZ
16	5025155	6	WASHER, 5/16" SAE
17	5025011X10	2	BOLT, 5/16-18 X 1-1/4" GD5 YZ
18	5021146	2	BALL JOINT, 5/16-24, FEMALE
19	5025033	6	NUT, 5/16-24 HEX
20	5021098	2	BEARING, BRONZE FLANGE, 3/4
21	5025013X8	2	BOLT, 3/8-16 X 1" GD5 YZ
22	5025394	14	NUT, 3/8-16 HEX NYLOCK FLANGE
23	5021499	2	BEARING, FLANGE
24	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5
25	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
26	5025013X14	8	BOLT, 3/8-16 X 1-3/4" GD5
27	5047004A	2	MOUNT, CONTROL ARM - BLK
28	5402595A	1	WELD, NEUTRAL LOCK, RH - BLK
29	5402594A	1	WELD, NEUTRAL LOCK, LH - BLK
30	5022095	2	SWITCH, PLUNGER, N.O./N.C.
31	5025179X4	4	SCREW, #10-24 X 1/2" ROUND PHILLIPS
32	5025029	4	NUT, #10-24 HEX
33	5025011X9	4	BOLT, 5/16-18 X 1-1/8" GD5
34	5025127	8	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
35	5025013X20	4	BOLT, 3/8-16 X 2-1/2" GD5 YZ
36	5048264	6	SPACER, .39 X .63 X 1.50
37	5025013X24	2	BOLT, 3/8-16 X 3" GD5 YZ
38	5047055A	1	WELD, HANDLE MOTION CONTROL, LH - BLK
39	5047056A	1	WELD, HANDLE MOTION CONTROL, RH - BLK
40	1930591	4	SCREW-HEX WZ LOCK FLNG 5/16-18X0.750BLK
41	5022068	2	GRIP, FOAM, 3/4" ID, 16" LONG

Footnotes

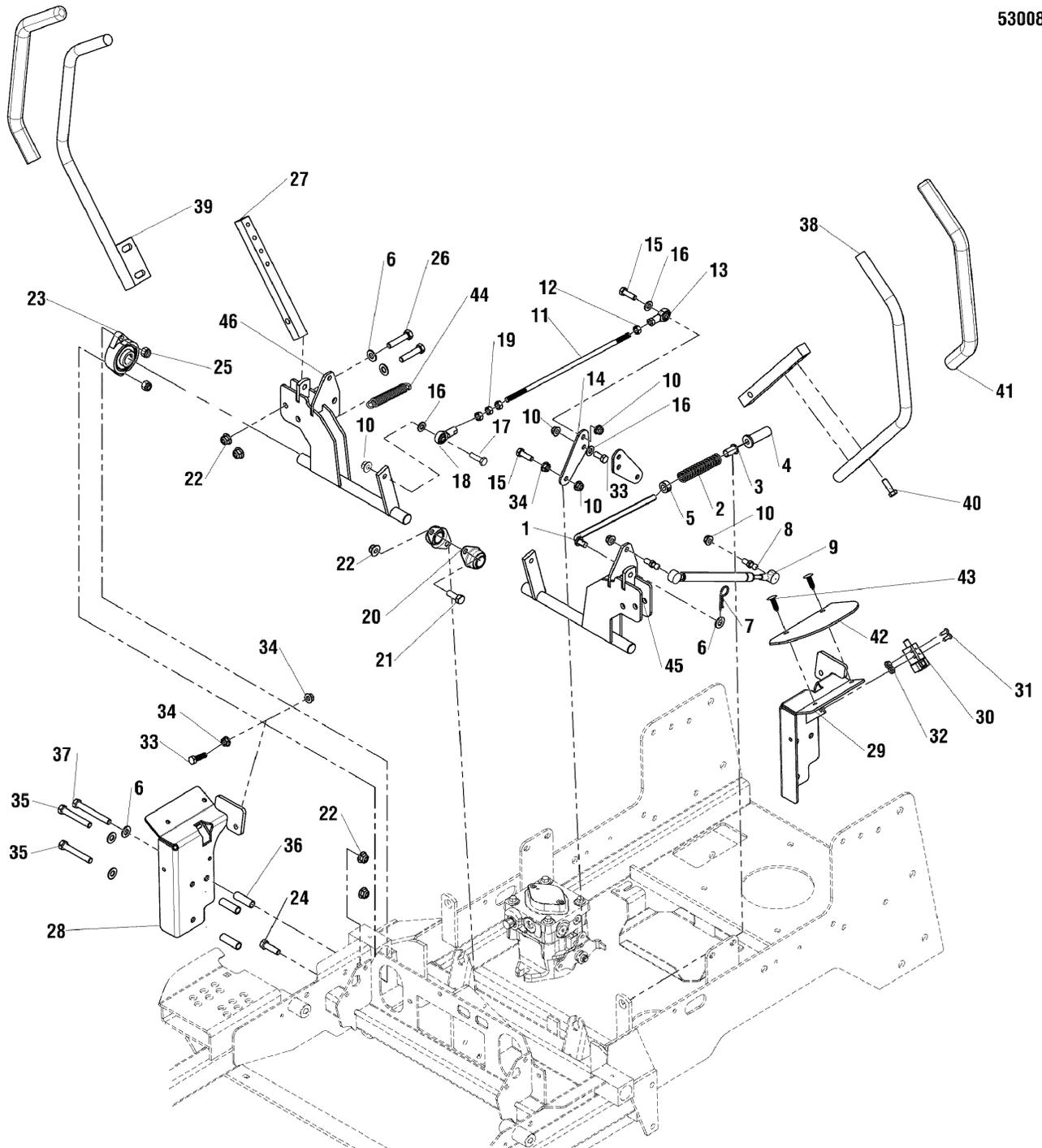
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
 5900981 (IS500ZB2752 ANSI-EXP)
 5900841 (IS500ZB2652 AUS/NZ)
 5900842 (IS500ZB2652)
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

Motion Control Group

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

5300815



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Motion Control Group

REF NO	PART NO.	QTY.	DESCRIPTION
42	5100948	2	GUARD, RUBBER MOT CTRS - IS500Z
43	5025431	4	PUSH RIVET (TREE TYPE), BLACK
44	5020639	2	SPRING, EXTENSION
45	5402588A	1	WELD, SHAFT MOTION CONTROL - LH - BLK
46	5402589A	1	WELD, SHAFT MOTION CONTROL - RH - BLK

Not for
Reproduction

Footnotes

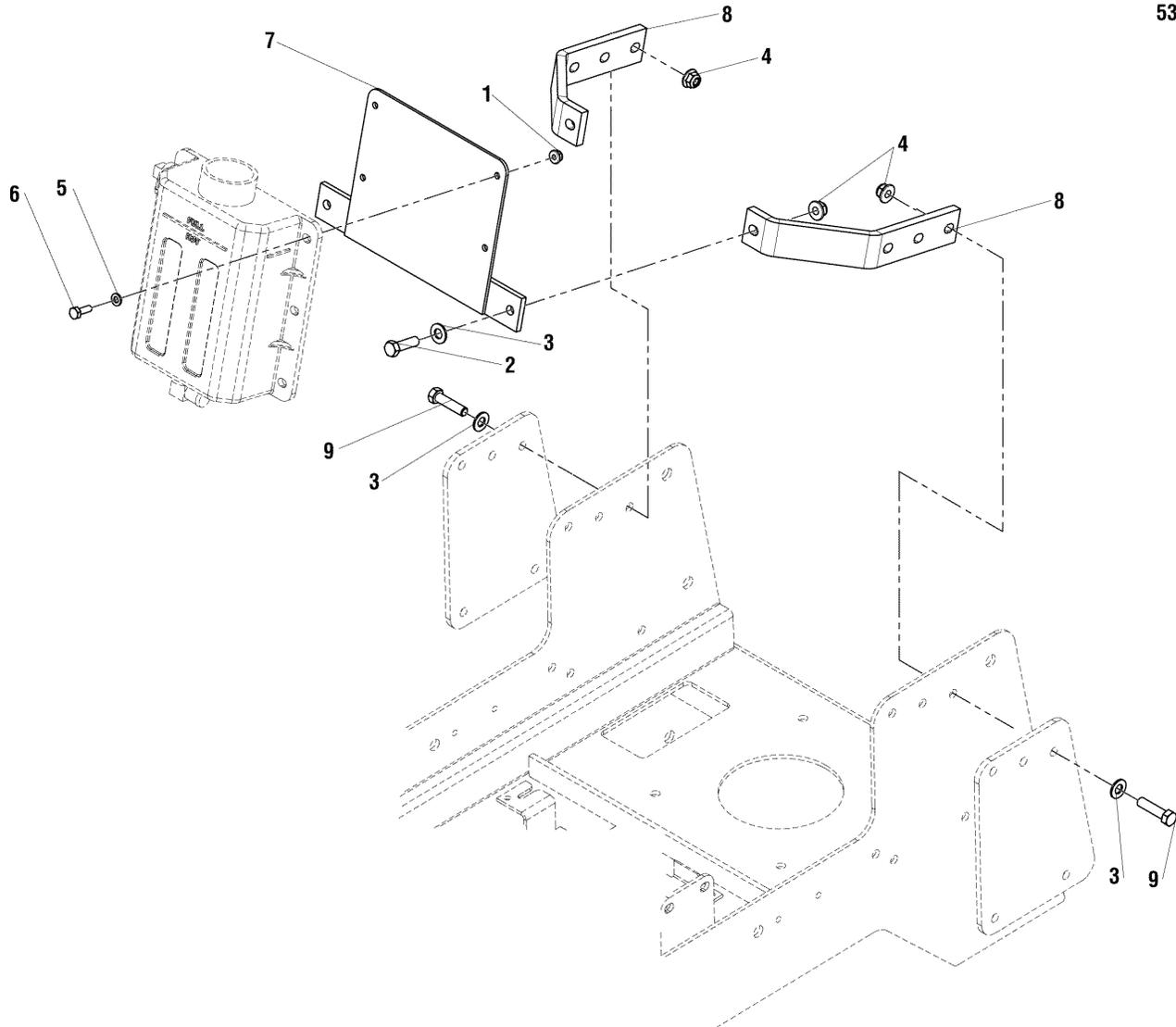
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Hydraulic Mount Group

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

5300656



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Hydraulic Mount Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025391	4	NUT, 1/4-20 HEX NYLOCK FLANGE
2	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5
3	5025156	6	WASHER, 3/8" SAE
4	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
5	5025010X6	4	BOLT, 1/4-20 X 3/4" GD5 YZ
6	5025154	4	WASHER, 1/4" SAE
7	5408234B	1	WELD, HYD TANK MOUNT
8	5061746B	2	BRACKET, HYDRAULIC TANK
9	5025013X12	4	BOLT, 3/8-16 X 1-1/2" GD5 YZ

Not for
Reproduction

Footnotes

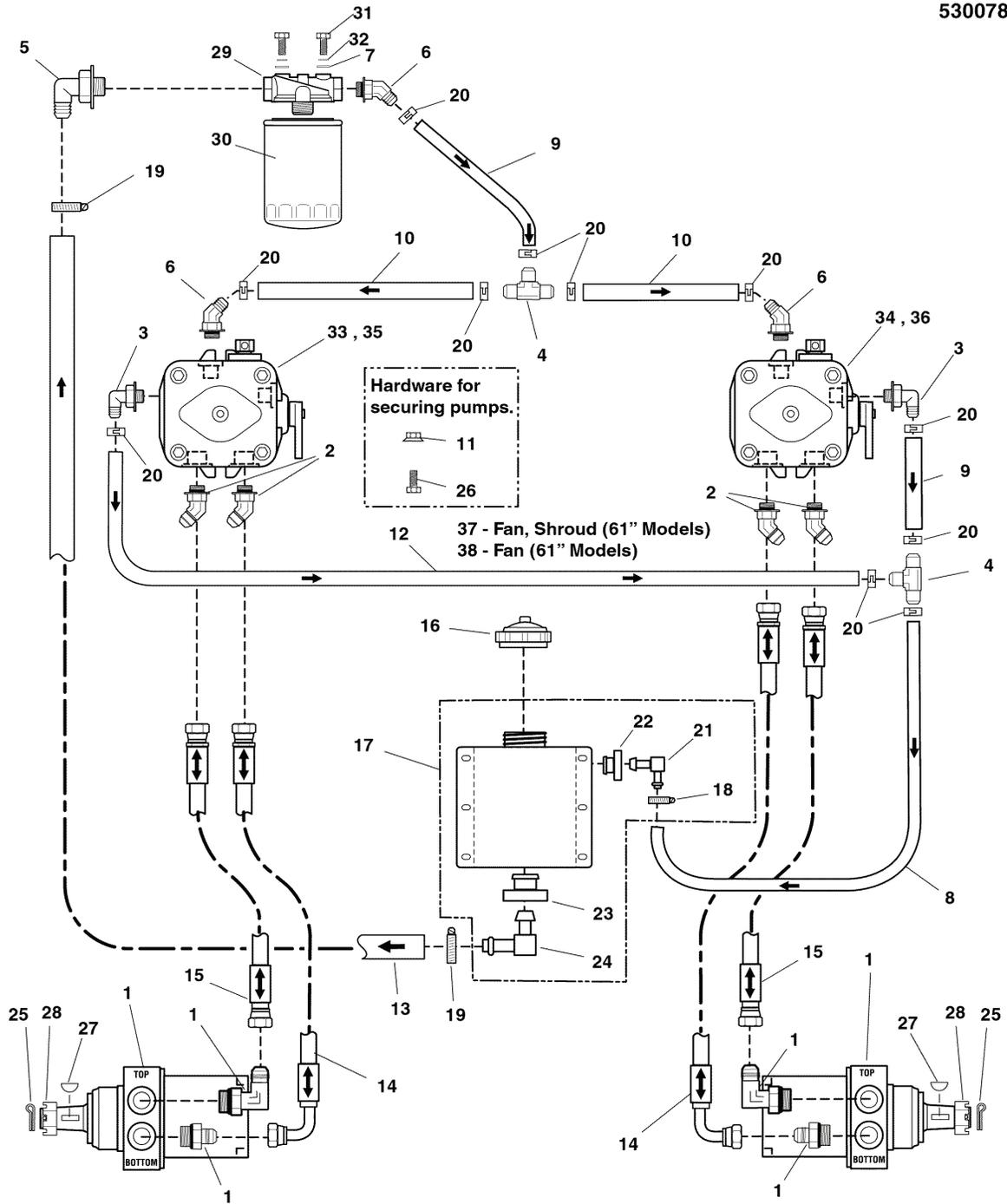
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Hydraulic Group

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

5300781



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Hydraulic Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	-	-	Refer to Hydraulic Components Service Group
2	5023338	4	FITTING, #8 JIC - #8 O-RING, 45 DEG.
3	5023267	2	ADAPTER, 90 DEG, 9/16-3/8 BARB
4	5022920	2	FITTING, TEE, 1/2" HOSE
5	5023346	1	ADAPTER, 90 DEG, 9/16-5/8 BARB
6	5023461	3	ADAPTER, 45 DEG, 9/16-3/8 BARB
7	5025169	2	WASHER, 1/4" LOCK
8	5050860X18P5	1	HOSE, 3/8" PUSH-LOCK, 18.50"
9	5050860X6P5	2	HOSE, 3/8" PUSH-LOCK, 6.50"
10	5050860X6	2	HOSE, 3/8" PUSH-LOCK, 6.00"
11	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE
12	5050860X19	1	HOSE, 3/8" PUSH-LOCK, 19.00"
13	5050933X24P5	1	HOSE, 5/8 PUSH-LOCK, 24.50"
14	5102095	2	HOSE ASSEMBLY (25")
15	5102094	2	HOSE ASSEMBLY (21")
16	5100017	1	CAP, HYDRAULIC
17	5061712	1	TANK, HYDRAULIC, ASSEMBLY (Includes Ref. Nos 21-24)
18	5022922	1	CLAMP, #4 HOSE, STAINLESS
19	5021164	2	CLAMP, #10 HOSE, STAINLESS
20	5023268	11	CLAMP, HOSE
21	5023118	1	FITTING, ELBOW, 3/8" (SV)
22	5023120	1	GROMMET (SV)
23	5023121	1	GROMMET (SV)
24	5023119	1	FITTING, ELBOW, 5/8" (SV)
25	5025203X16	2	PIN, COTTER, 1/8" X 2"
26	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5
27	5022042X2	2	KEY (SV)
28	5022042X3	2	NUT, CASTLE, 1-20 (SV)
29	5023096	1	FILTER HEAD, HYDRAULIC
30	1719168	1	FILTER, OIL
31	5025010X6	2	BOLT, 1/4-20 X 3/4" GD5 YZ
32	5025154	2	WASHER, 1/4" SAE
33	5101403	1	PE, 10CC HYDRAULIC PUMP - LH (44" & 52" Models)
34	5101404	1	PE, 10CC HYDRAULIC PUMP - RH (44" & 52" Models)
35	5023372	1	PUMP, HYDRAULIC - LH (61" Models)
36	5023373	1	PUMP, HYDRAULIC - RH (61" Models)
37	5023371	2	SHROUD, FAN (61" Models)
38	5100333	2	FAN, #51348, HYDRO-GEAR (61" Models)

Footnotes

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

5900770 (IS500ZB2661)
 5900981 (IS500ZB2752 ANSI-EXP)
 5900841 (IS500ZB2652 AUS/NZ)
 5900842 (IS500ZB2652)
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

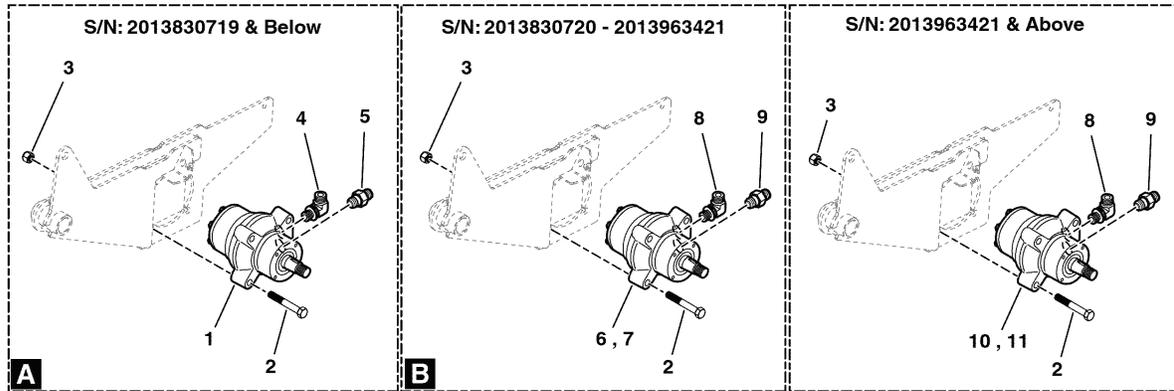
Hydraulic Components Service Group

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

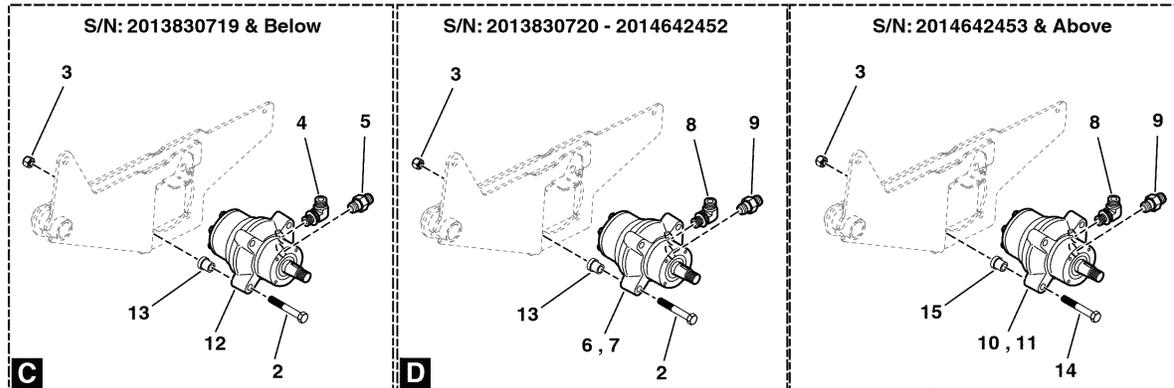
Hydraulic Component Service Group

5300781A

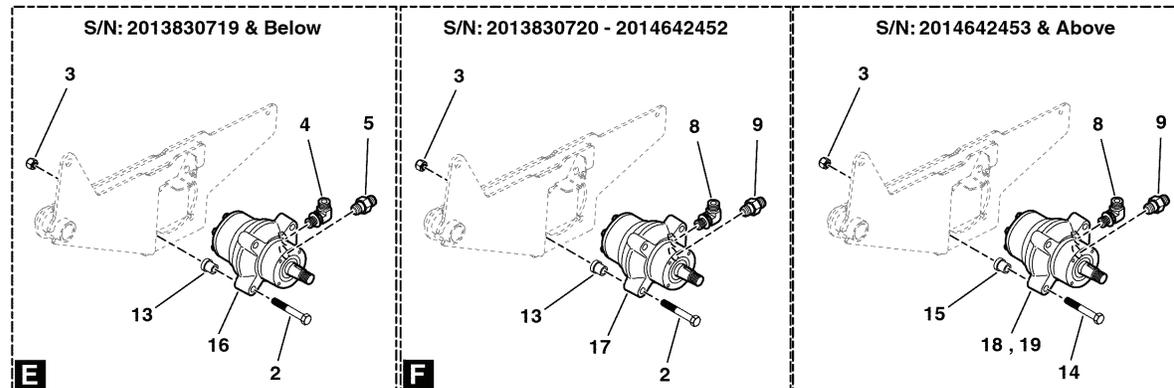
44" Models



52" Models



61" Models



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Hydraulic Components Service Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	-	-	No Longer Available. Use "B" Service Parts
2	5023481	8	BOLT, 1/2-13 X 2-1/4 PATCH
3	5025330	8	NUT, 1/2-13 SQUARE
4	5022599	2	FITTING, #8 JIC - #8 O-RING, 90 DEG.
5	5022633	2	FITTING, #8 O-RING X #8 JIC, STR
6	5102130	1	WHEEL MOTOR, HGM-12E-3054 (LH)
7	5102138	1	WHEEL MOTOR, HGM-12E-3050 (RH)
8	5022634	2	FITTING, #10 O-RING X #8 JIC, STR
9	5023276	2	FITTING, #10 ORING-#8 JIC, 90D
10	5102814	21	WHEEL MOTOR, LH, 11.9 CI SHORT
11	5102815	1	WHEEL MOTOR, RH, 11.9 CI SHORT
12	-	-	No Longer Available. Use "D" Service Parts
13	5061670	8	SPACER, .53 X 1.00 X 1.00, CZ
14	5025553	8	BOLT, 1/2-13 X 3.5, DRI-LOC PATCH
15	5102689	8	SPACER, .53 X 1.00 X 1.00, W/ FLAT, CZ
16	5100877	2	MOTOR, WHEEL, HGM-15C-4026
17	-	-	No Longer Available. Use "F" Service Parts
18	5102682	1	WHEEL MOTOR, LH, 14.5 CI-TF0240LS080AAKZ
19	5102681	1	WHEEL MOTOR, RH, 14.5 CI-TF0240LS081AAKZ

Not for
Reproduction

Footnotes

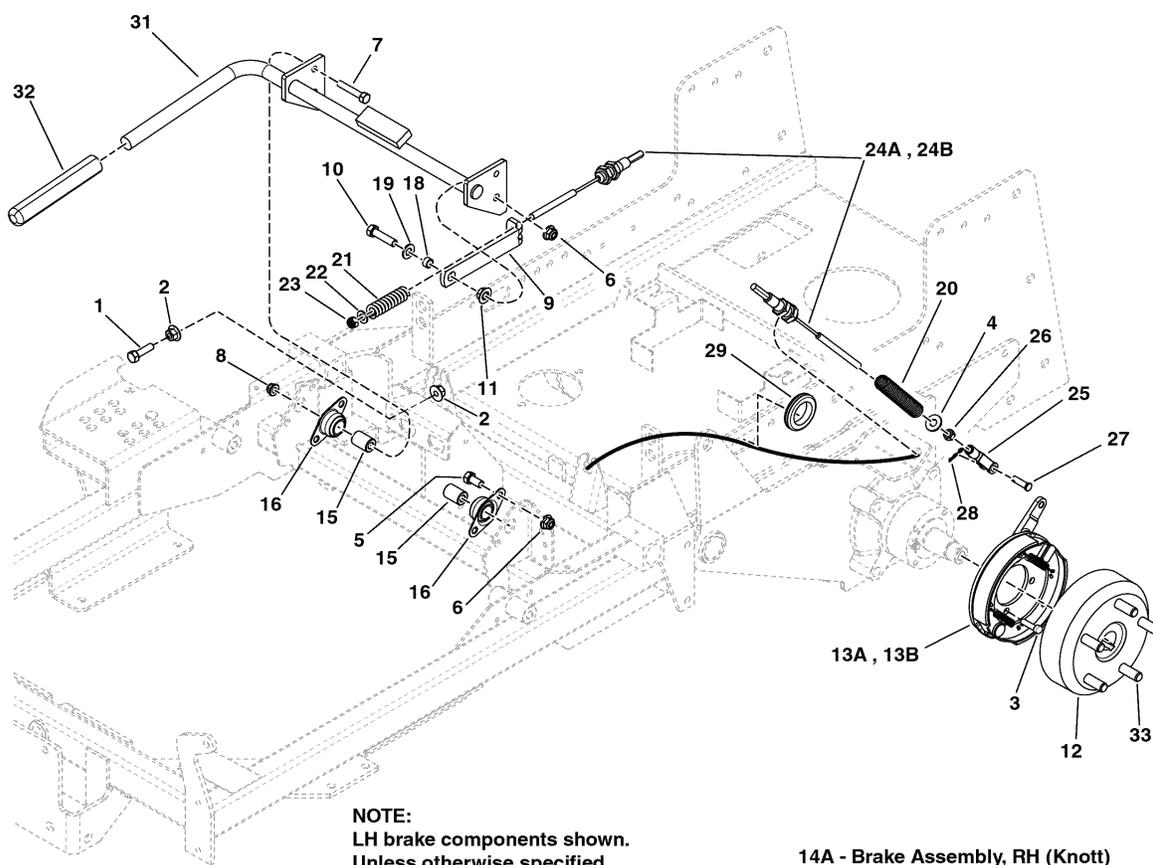
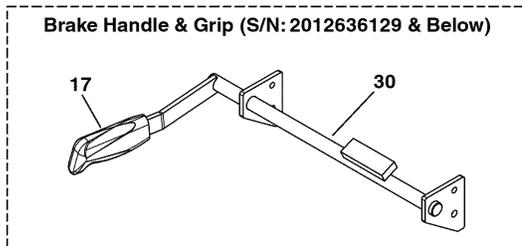
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
 5900981 (IS500ZB2752 ANSI-EXP)
 5900841 (IS500ZB2652 AUS/NZ)
 5900842 (IS500ZB2652)
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

Parking Brake Group

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

5300132



NOTE:
LH brake components shown.
Unless otherwise specified
RH components are identical.

14A - Brake Assembly, RH (Knott)
14B - Brake Assembly, RH

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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Parking Brake Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025011X9	1	BOLT, 5/16-18 X 1-1/8" GD5
2	5025139	2	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
3	5023490	8	BOLT, 5/16-18 X 3/4 12PT FLANGE - PATCH
4	5025337	2	WASHER, 5/16" USS
5	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 YZ
6	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025011X14	2	BOLT, 5/16-18 X 1-3/4" GD5 YZ
8	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
9	5061794A	2	LINK, BRAKE STOP, 6.0 - BLK
10	5025013X12	2	BOLT, 3/8-16 X 1-1/2" GD5 YZ
11	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE
12	5102896	2	BRAKE DRUM, 6", 5 BOLT, KNOTT
13a	5102897	1	BRAKE SHOE ASM, LH, KNOTT (S/N: 2015208612 & Above)
13b	5023500	1	BRAKE ASSEMBLY, LH (S/N: 2015208611 & Below)
14a	5102898	1	BRAKE SHOE ASM, RH, KNOTT (Not illustrated - S/N: 2015208612 & Above)
14b	5023501	1	BRAKE ASSEMBLY, RH (Not illustrated - S/N: 2015208611 & Below)
15	5042134	2	SPACER, .32 X .75 X 1.06
16	5021098	2	BEARING, BRONZE FLANGE, 3/4
17	5100171	1	GRIP, BLACK FLEXIBLE (S/N: 2012636129 & Below)
18	5041930	2	SPACER, .38 X .50 X .27
19	5025156	2	WASHER, 3/8" SAE
20	5023320	2	SPRING, COMPRESSION
21	5022361	2	SPRING, BRAKE
22	5025155	2	WASHER, 5/16" SAE
23	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
24a	5023324	2	CABLE, PARKING BRAKE (44" & 52" Models)
24b	5100115	2	CABLE, PARKING BRAKE (61" Models)
25	5023323	2	CLEVIS, 5/16-24, STEEL, CLEAR ZINC
26	5025033	2	NUT, 5/16-24 HEX
27	5025213X8	2	PIN, CLEVIS, 5/16" X 1
28	5025211	2	PIN, HAIR, .0585" X 1-1/8"
29	5021397	2	GROMMET, 1-1/4
30	5049831B	1	WELD, BRAKE SHAFT (S/N: 2012636129 & Below)
31	5403631A	1	WELD, BRAKE SHAFT - BLK (S/N: 2012636130 & Above)
32	5101038	1	GRIP, FOAM, 3/4 ID X 6 X .187 (S/N: 2012636130 & Above)
33	5023368X1	10	STUD, BRAKE HUB (SV)

Footnotes

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

5900770 (IS500ZB2661)
 5900981 (IS500ZB2752 ANSI-EXP)
 5900841 (IS500ZB2652 AUS/NZ)
 5900842 (IS500ZB2652)
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

Rear Suspension Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	-	-	Refer to Hydraulic Components Service Group
2	5600256	1	KIT, TIE BAR (5404064A) (44" & 52" Models)
3	5404478A	1	WELD, TIE BAR - BLK (61" Models)
4	5025488X52	2	BOLT, 1/2-13 X 6-1/2" GD8 YZ
5	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
6	5021541	4	BUSHING, FLANGE
7	5061339	2	SPACER, .52 X 1.00 X 3.42
8	5023436	2	SHOCK ABSORBER
9	5025013X16	2	BOLT, 3/8-16 X 2" GD5 YZ
10	5025165	6	WASHER, 3/8" FENDER
11	5025394	16	NUT, 3/8-16 HEX NYLOCK FLANGE
12	5025013X28	2	BOLT, 3/8-16 X 3-1/2" GD5 YZ
13	5020020	2	GREASE FITTING, 45 DEGREE
14	5100896	2	SPACER, .390 X 1.00 X 1.00 - YZ
15	5402456B	2	PLATE, FRAME SUPPORT - IS500 - RED
16	5025013X10	12	BOLT, 3/8-16 X 1-1/4" GD5 YZ
17	5025293	12	WASHER, 3/8" GD.9 FLAT
18	5022853	1	SPANNER WRENCH
19	5025010X6	1	BOLT, 1/4-20 X 3/4" GD5 YZ
20	5025154	1	WASHER, 1/4" SAE
21	5025391	1	NUT, 1/4-20 HEX NYLOCK FLANGE
22	5025430	1	CLAMP, 5/16", DOUBLE, WIRE & TUBE
23	5025158	2	WASHER, 1/2" SAE
24	5044960	2	SPACER, .39 X 1.00 X .25
25	5102701	2	SPACER, .34 X 1.54 X .25 UHMW (44" & 52" Models)
26	5025303	2	SCREW, 5/16-18 X 1 FLAT HD SC (44" & 52" Models)
27	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE (44" & 52" Models)
28	5402523B	1	WELD, MOTOR MOUNT, LH (44" Models)
29	5403827B	1	WELD, MOTOR MOUNT, LH (52" Models)
30	5404229B	1	WELD, MOTOR MOUNT, LH (61" Models S/N: 2013963421 & Below)
31	5407435B	1	WELD, MOTOR MOUNT, LH (61" Models S/N: 2013963422 & Above)
32	5402524B	1	WELD, MOTOR MOUNT, RH (44" Models)
33	5403826B	1	WELD, MOTOR MOUNT, RH (52" Models)
34	5404228B	1	WELD, MOTOR MOUNT, RH (61" Models S/N: 2013963421 & Below)
35	5407436B	1	WELD, MOTOR MOUNT, RH (61" Models S/N: 2013963422 & Above)

Footnotes

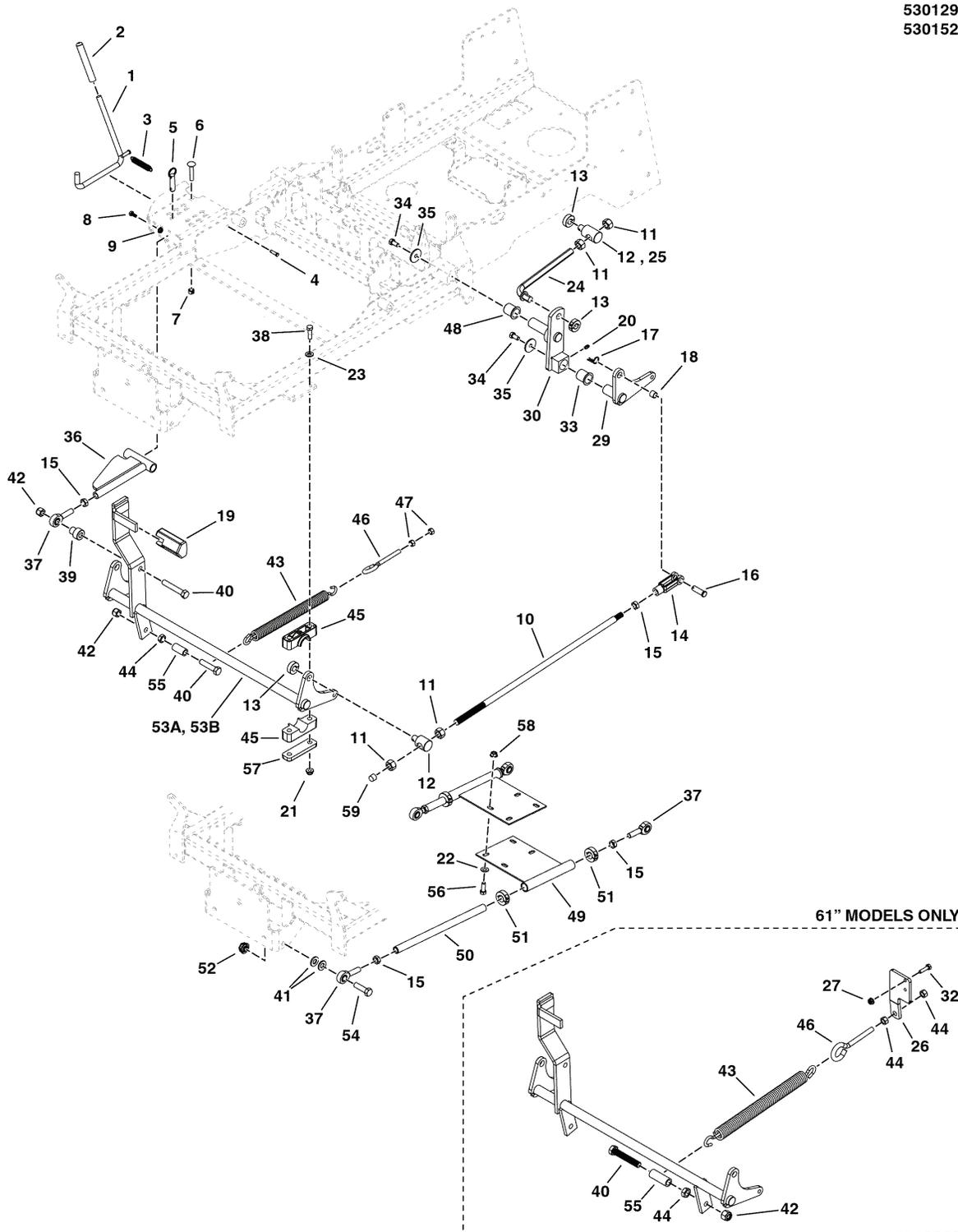
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
 5900981 (IS500ZB2752 ANSI-EXP)
 5900841 (IS500ZB2652 AUS/NZ)
 5900842 (IS500ZB2652)
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

Deck Lift Group

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

5301294
5301523



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Deck Lift Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5061527A	1	WELD, ROD DECK LIFT - BLK
2	5021880	1	GRIP, FOAM
3	5020639	1	SPRING-EXT, .500 OD X 3.50 LG X .058 WR
4	5025212X7	1	CLEVIS PIN, 1/4 X 7/8, CZ
5	5023498	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
6	5025146X16	1	BOLT, 3/8-16 X 2, CARRIAGE
7	5025100	1	NUT, 3/8-16 HEX SIDE LOCK
8	5025010X5	2	BOLT-1/4-20 X 5/8 GD5 YZ
9	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
10	5049971	2	ROD,DECK ADJUSTMENT, CZ
11	5025040	8	NUT, 5/8-11 HEX
12	5045447	2	PIVOT, SPRING ROD (61" Models Use Qty. 4)
13	5020441	6	COLLAR, 5/8 SPLIT
14	5023174	2	CLEVIS, 1/2-20, STEEL
15	5025089	7	NUT, 1/2-20 HEX JAM
16	5025328X12	2	PIN, CLEVIS, 1/2 X 1 1/2, YZP
17	5025210	2	PIN, HAIR, .0915 X 1-7/8
18	5061780	2	BUSHING, .510 X .625 X .500
19	1715834	1	RUBBER, FOOT PEDAL
20	5020095	4	GREASE FITTING, 1/4-28 STRAIGHT
21	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
22	5025293	4	WASHER, 3/8 GD.9 FLAT
23	5025156	4	WASHER, 3/8 SAE
24	5049848	2	ROD, DECK LIFT, CZ
25	5045856	2	PIVOT, SPRING ROD (52" Models)
26	5404480B	1	SPRING, BRACKET - RED (61" Models)
27	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE (61" Models)
28	5402521A	1	WELD, DECK HANGER, REAR - RH - BLK (Not Shown)
29	5402522A	1	WELD, DECK HANGER, REAR - LH - BLK
30	5402533A	1	WELD, REAR LIFT, LH , IS500Z - BLK
31	5402534A	1	WELD, REAR LIFT, RH , IS500Z - BLK (Not Shown)
32	5025010X8	2	BOLT, 1/4-20 X 1, GD5 (61" Models)
33	5023356	4	BUSHING, 1.00X1.13X.75, PLA
34	5025443	4	BOLT, 3/8-16 X 3/4, GD5, YZ WITH PATCH
35	5100548	4	WASHER, .390 X 1.50 X .109, YZ
36	5061523B	1	WELD, DECK ADJUST LINK
37	5022434	5	BALL JOINT, 1/2-20, MALE
38	5025013X22	4	BOLT, 3/8-16 X 2-3/4 GD5 YZ
39	5047103	1	ADAPTER, CASTER AXLE, CZ
40	5025017X24	2	BOLT, 1/2-13 X 3 GD5 YZ (61" Models Use Qty. 3)
41	5025158	7	WASHER, 1/2 SAE

Footnotes

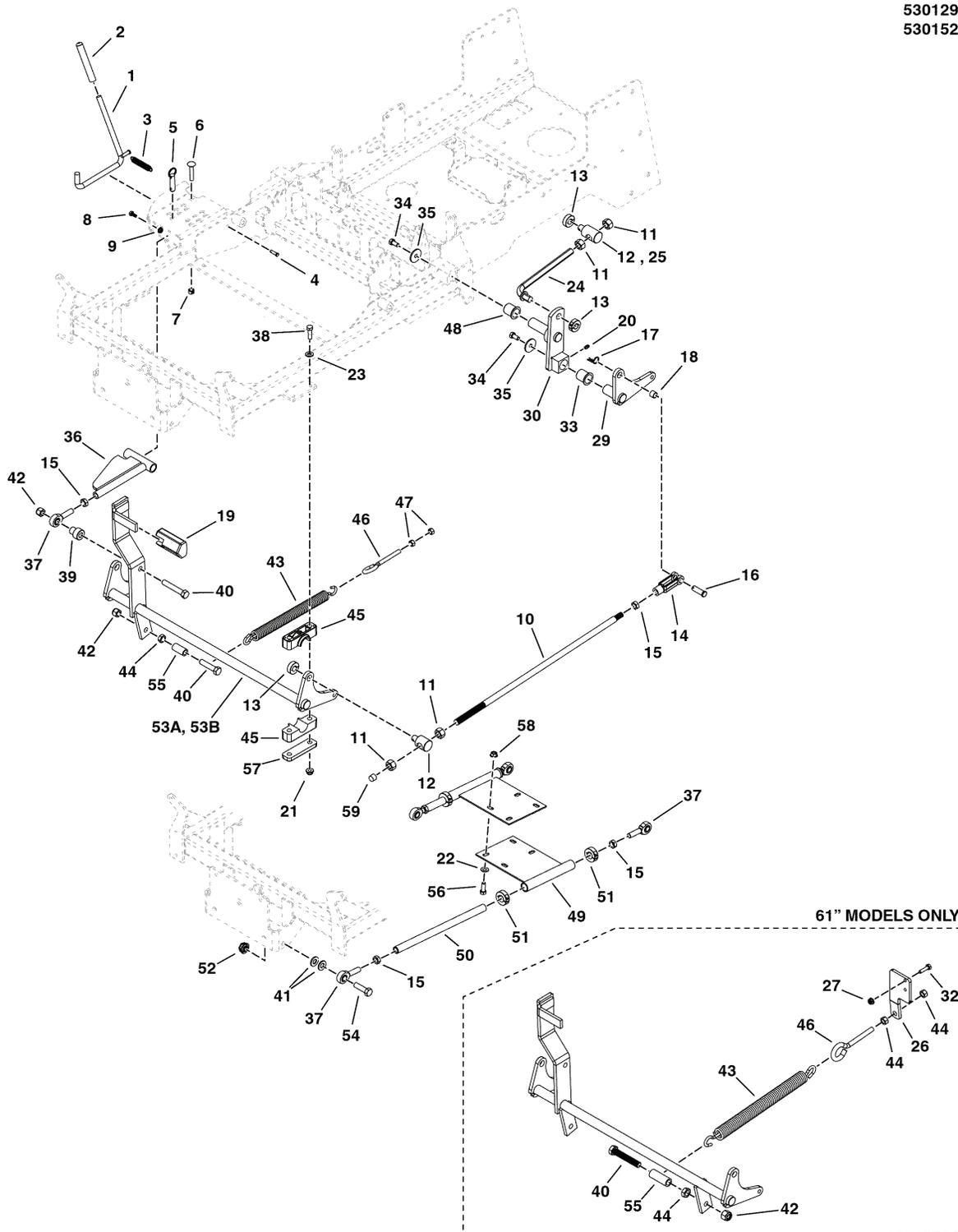
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
 5900981 (IS500ZB2752 ANSI-EXP)
 5900841 (IS500ZB2652 AUS/NZ)
 5900842 (IS500ZB2652)
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

Deck Lift Group

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

5301294
5301523



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Deck Lift Group

REF NO	PART NO.	QTY.	DESCRIPTION
42	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
43	5023355	1	SPRING-EXT, 1.00 ODX13.25LGX.177WR, BLK (61" Models Use Qty. 2)
44	5025301	1	NUT, 1/2-13 HEX JAM (61" Models Use Qty. 2)
45	5100634	4	PIVOT BLOCK, PLASTIC
46	5021812	1	EYE BOLT, 3/8-16 X 6, 3.0 THREAD (61" Models Use Qty. 2)
47	5025034	2	NUT, 3/8-16 HEX (61" Models Use Qty. 4)
48	5023343	4	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
49	5049867B	2	WELD, DECK STABILIZER
50	5049868	2	SHAFT, DECK STABILIZER, CZ
51	5010114	4	COLLAR, 3/4 SPLIT
52	5025098	4	NUT, 1/2-20 HEX NYLON LOCK
53a	5404299B	1	WELD, DECK LIFT SHAFT - IS500Z - RED (52" Models)
53b	5404481B	1	WELD, DECK LIFT SHAFT - IS500Z - RED (61" Models)
54	5025018X14	4	BOLT, 1/2-20 X 1-3/4 GD8 YZ
55	5050857X1	1	HOSE, 1/2" PUSH-ON, 1.00" (61" Models Use Qty. 2)
56	5025013X8	4	BOLT, 3/8-16 X 1 GD5 YZ
57	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
58	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE
59	5101028	2	CAP, VINYL - .562 X .750 - BLK

Not for
Reproduction

Footnotes

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

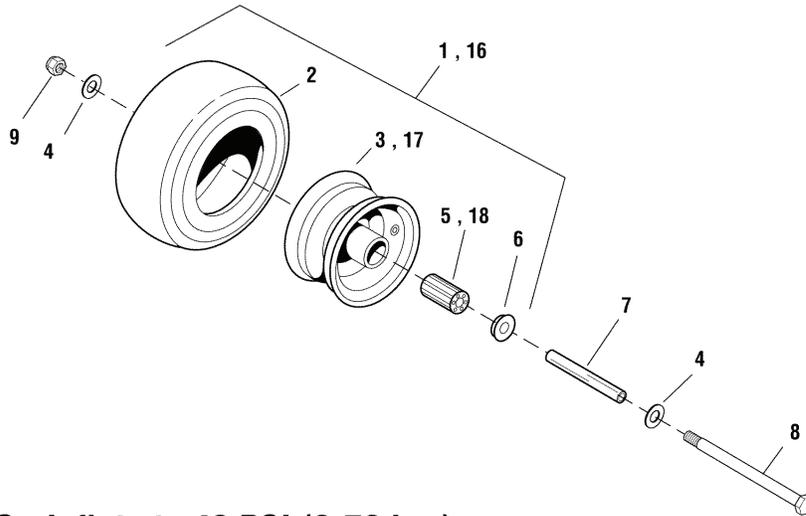
5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Wheel & Tire Group

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

5300784

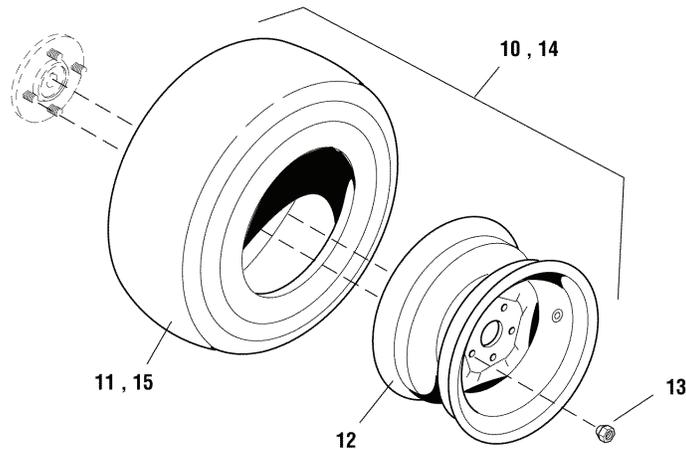
Front Wheels & Tires



5022433S - Inflate to 40 PSI (2,76 bar)

5101418 - Inflate to 25 PSI (1,72 bar)

Rear Wheels & Tires



Inflate to 15 PSI (1,03 bar)

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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Wheel & Tire Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022433S	2	WHEEL, CASTER, 11X4.0-5 SILVER (S/N: 2013129510 & Below)
2	5022433X1	2	TIRE, FRONT, 11 X 4.0 - 5 (SV)
3	5022433SX2	2	WHEEL ASSEMBLY, COMPLETE (S/N: 2013129510 & Below)
4	5025158	4	WASHER, 1/2" SAE
5	5021042	4	BEARING, ROLLER (SV)
6	5021043	4	BEARING, RETAINER (SV)
7	5045996	2	CASTER AXLE DDSH
8	5025017X56	2	BOLT, 1/2-13 X 7" GD5 YZ
9	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
10	5101480	2	TIRE ASM, REAR, 20 X 8.0 X 10 (44" Models)
11	5023095X1	2	TIRE, REAR, 20 X 8.0 X 10 (SV - 44" Models)
12	5023369X1	2	RIM-10X7-5-4.5 SOLID (SV)
13	5020601	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER
14	5101345	2	TIRE ASM, REAR, 20 X 10 X 10 (52" Models)
15	5101345X1	2	TIRE, REAR, 20 X 10 X 10 (SV - 52" Models)
16	5101418	2	WHEEL, CASTER, 11 X 4.0-5 (SV - S/N: 2013129511 & Above)
17	5101418X2	2	WHEEL ASSEMBLY, 11 X 4.0-5 (SV - S/N: 2013129511 & Above)
18	5101418X1	4	BEARING, CASTER WHEEL, 11 X 4.0-5 (SV - S/N: 2013129511 & Above)

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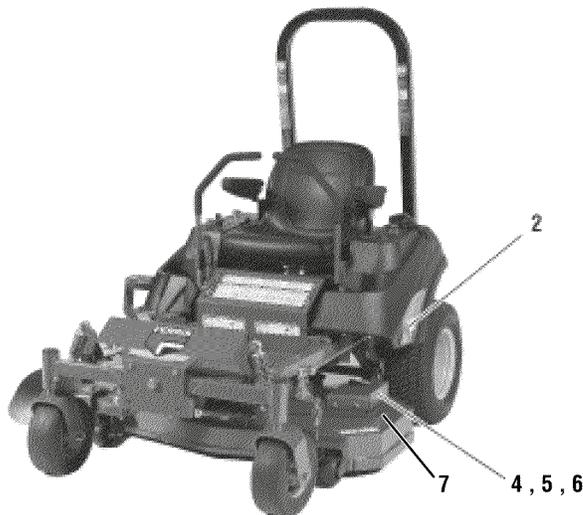
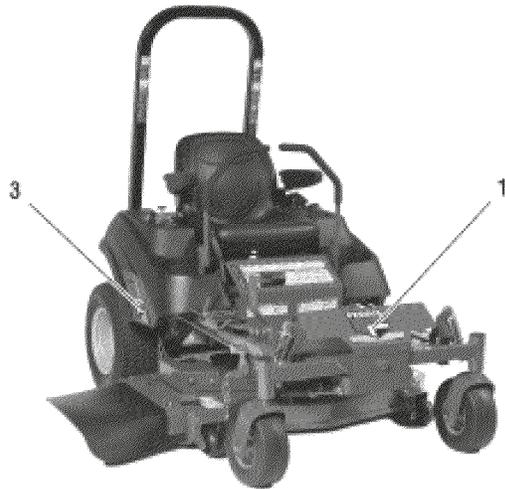
Footnotes

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

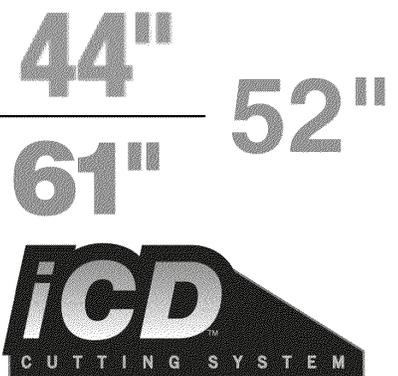
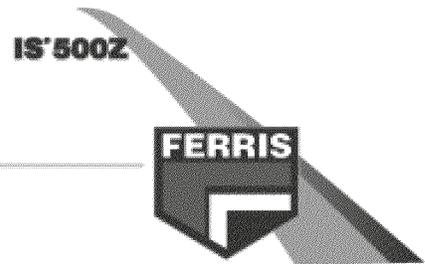
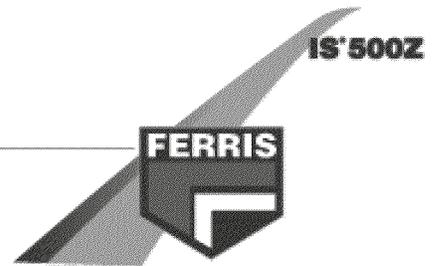
5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Decals - Brand & Model

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



5300785



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Decals - Brand & Model

REF NO	PART NO.	QTY.	DESCRIPTION
1	5101400	1	DECAL, BADGE, FERRIS, LOGO, 3" X 6.2"
2	5100897	1	DECAL, BADGE, IS500Z - LH
3	5100898	1	DECAL, BADGE, IS500Z - RH
4	5061846	1	DECAL, 44 (44" Models)
5	5022812	1	DECAL, 52 (52" Models)
6	5022813	1	DECAL, 61 (61" Models)
7	5102210	1	DECAL, iCD CUTTING SYSTEM (52" & 61" Models)

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Footnotes

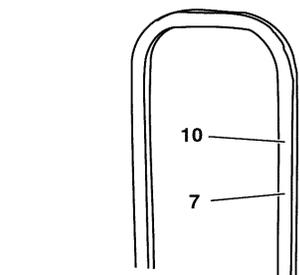
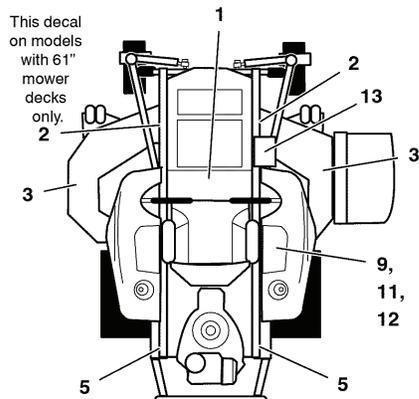
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Decals - Safety & Operation

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

5301525



WARNING

Avoid serious injury or death

- Read operator's manual before using this product.
- Do NOT operate this machine unless you are trained.
- Know the location and function of all controls.
- Keep safety devices (guards, shields, switches, etc.) in place and working.
- Remove objects that could be thrown by the blades.
- Be sure blades and engine are stopped before clearing hands or feet near blades.
- When leaving machine, shut off, remove key and set parking brake.

Fire Hazard

Gasoline is flammable. Debris is combustible.

- Allow engine to cool for at least 3 minutes before refueling.
- Keep unit cleared of debris.
- This equipment may create sparks that can start fires around dry vegetation. A spark arrester may be required. Contact local agencies for regulations relating to the prevention requirements.

DANGER

Amputation hazard

Rotating blades cut off arms and legs.

- Stop the mower when children or others are near.
- Do not carry riders (especially children) even with the blades off. They may fall off or return for another ride when you are not expecting it.
- Look down, behind and to the side before changing directions.

Loss of control and roll-over hazard

Operating on slopes can be hazardous and cause loss of control and roll-overs.

- Avoid sudden turns or rapid speed changes.
- Reduce speed and use extreme caution on slopes.
- Keep unit upright.
- Do not operate on slopes over 18 degrees.
- If machine slips forward motion on a slope, stop the blades and drive slowly off the slope.

WARNING

PINCH POINT

To avoid injury from loaded spring, read operator's manual before removing spring.

DANGER

Amputation and thrown objects hazard

- Keep hands and feet away from deck.
- Do not operate mower unless discharge chute or entire grass catcher is in its proper place.

The operator's manual is available in Spanish. La manual del operador está disponible en Español.

WARNING

Avoid serious injury or death from rollover.

Do not operate without the rollbar installed and operational.

Ignition System (Gasoline Models)

This spark ignition system complies with Canadian standard ICES-002

HYDRAULIC OIL RESERVOIR

USE SAE 20W-50 MOTOR OIL

WARNING

AVOID SERIOUS INJURY OR DEATH FROM ROLL OVER:

Keep roll bar in the raised position and use seat belt.

THERE IS NO ROLL OVER PROTECTION WHEN THE ROLL BAR IS DOWN

Lower the roll bar only when necessary and NEVER remove it.

Do NOT use seat belt when the roll bar is down.

Raise the roll bar as soon as clearance permits.

Do NOT jump off if mower tips.

Read and follow all operating instructions and warnings in the operator's manual.

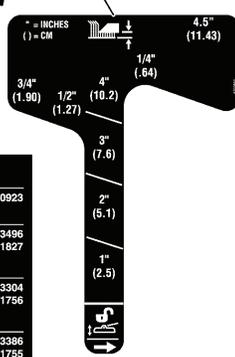
WARNING

LOW OVERHANGING OBSTACLES HAZARD

Check for overhead clearances before driving under any objects. Do NOT allow roll bar to contact low overhanging obstacles, such as tree branches and guide wires.

Key	Charge Switch	PTO Circuit	Clutch	Auxiliary
12	20A	20A	20A	20A

Belts & Blades	
Tractor Pump Drive Belt	5100923
44" Mower Deck Drive Belt	5023496
Mower Blade	5061827
52" Mower Deck Drive Belt	5023304
Mower Blade	5101756
61" Mower Deck Drive Belt	5023386
Mower Blade	5101755



CAUTION

ROLL OVER PROTECTIVE STRUCTURE

To maintain operator protection and roll bar certification:

Replace a damaged roll bar; do NOT attempt to repair or modify.

Any alteration of the roll bar must be approved by the manufacturer.

DO NOT exceed the machine weight rating of the roll bar.

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

- 5900770 (IS500ZB2661)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Decals - Safety & Operation

REF NO	PART NO.	QTY.	DESCRIPTION
1	5103595	1	DECAL, MAIN SAFETY
2	5061245	1	DECAL, PINCH POINT (Qty: 2 on models with 61" mower deck.)
3	7101665	2	DECAL, DANGER DO NOT OPERATE W/O DEFLECT
4	5103619	1	DECAL, MANUAL AVAIL IN SPANISH
5	5100683	2	DECAL, WARNING, ROLL BAR (Located on the frame behind the roll bar.)
6	5101990	1	DECAL, CZT HYRDO RELEASE (Located under the seat plate.)
7	5100403	1	DECAL, WARNING & CAUTION, ROPS (SV)
8	5100957	1	DECAL, HYDRAULIC OIL, SAE 20W50 (Located by the hydraulic tank.)
9	5100280	1	DECAL, THROTTLE CONTROL
10	5100405	1	DECAL, WARNING OVERHANG, ROPS (SV)
11	5048970	1	DECAL, IGNITION SWITCH
12	5046503	1	DECAL, FUSE LOCATION (Located on the instrument control panel.)
13	5100937	1	DECAL, DECK HEIGHT, IS500Z
14	5103185	1	DECAL, BELT & BLADE, IS500Z (Located under the seat plate.)

Not for
Reproduction

Footnotes

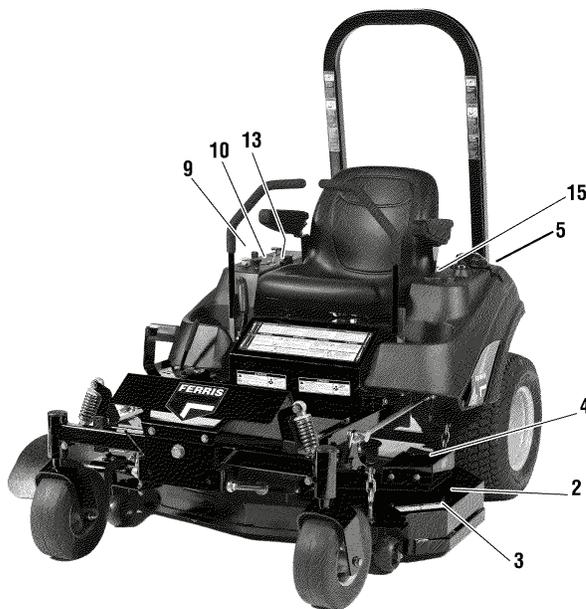
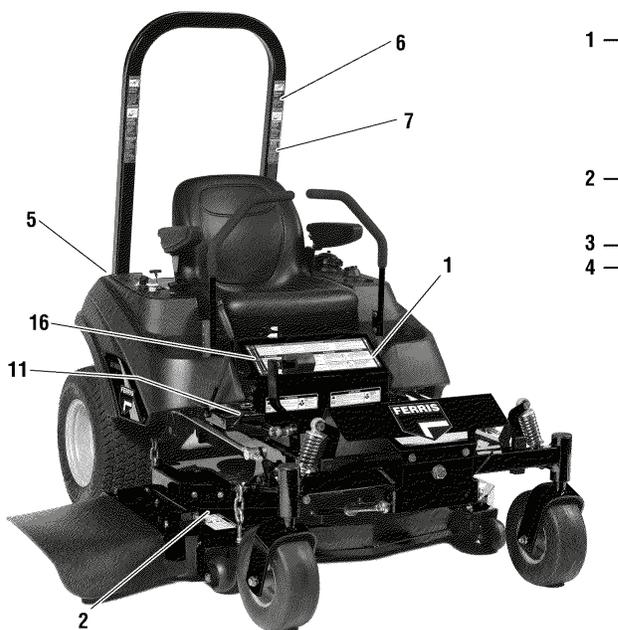
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Decals - Safety & Operation - ANSI EXP

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

5302410



Belts & Blades

Tractor	Pump Drive Belt	5100555
44" Mower	Deck Drive Belt	5023486
	Mower Blade	5061827
48" Mower	Deck Drive Belt	5023297
	Mower Blade	5020843
52" Mower	Deck Drive Belt	5023435
	Mower Blade	5021227

HYDRAULIC OIL RESERVOIR

USE EITHER:
MOBIL 1™
15W-50 OIL
 - OR -
CASTROL SYNTEC™
5W-50 OIL

DO NOT USE CONVENTIONAL OILS!

Key Switch	Charge Circuit	PTO Clutch	Auxiliary
20A	20A	20A	20A

INCHES
 () = CM

3/4"	1/2"	1/4"	5"
(1.90)	(1.27)	(.64)	(12.7)
	4"	3"	2"
	(10.2)	(7.6)	(5.1)
		1"	
		(2.5)	

The above parts group applies to the following Mfg. Nos.:
 5900981 (IS500ZB2752 ANSI-EXP)

Decals - Safety & Operation - ANSI EXP

REF NO	PART NO.	QTY.	DESCRIPTION
1	5102627	1	DECAL, MAIN SAFETY, ANSI CE
2	5102420	2	DECAL, DANGER, MOWER DECK, ANSI EXP
3	5102457	1	DECAL, DANGER DISCHARGE ANSI EXPORT
4	5061246	1	DECAL, PINCH POINT, CE
5	5100685	2	DECAL, WARNING, ROLL BAR, CE
6	5100537	2	DECAL, SAFTY, CE ROPS, OBS
7	5100536	2	DECAL, SAFETY, CE ROPS
8	5103185	1	DECAL, BELT & BLADE, IS500Z (Located under seat)
9	5048970	1	DECAL, IGNITION SWITCH
10	5100280	1	DECAL, THROTTLE CONTROL
11	5100937	1	DECAL, DECK HEIGHT, IS500Z
12	5100957	1	DECAL, HYDRAULIC OIL, SAE 20W50 (Located on hydraulic tank mount)
13	5046503	1	DECAL, FUSE LOCATION
14	5101990	1	DECAL, CZT HYRDO RELEASE (Located under seat)
15	5102456	1	DECAL, FIRE ANSI EXPORT
16	5102628	1	DECAL, PARKING BRAKE SYMBOLS

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Reproduction

Footnotes

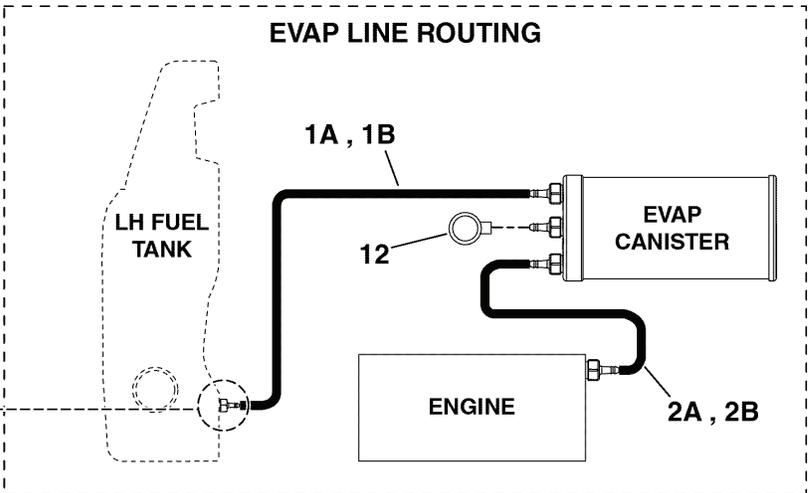
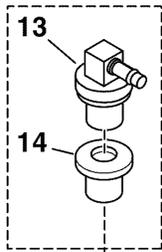
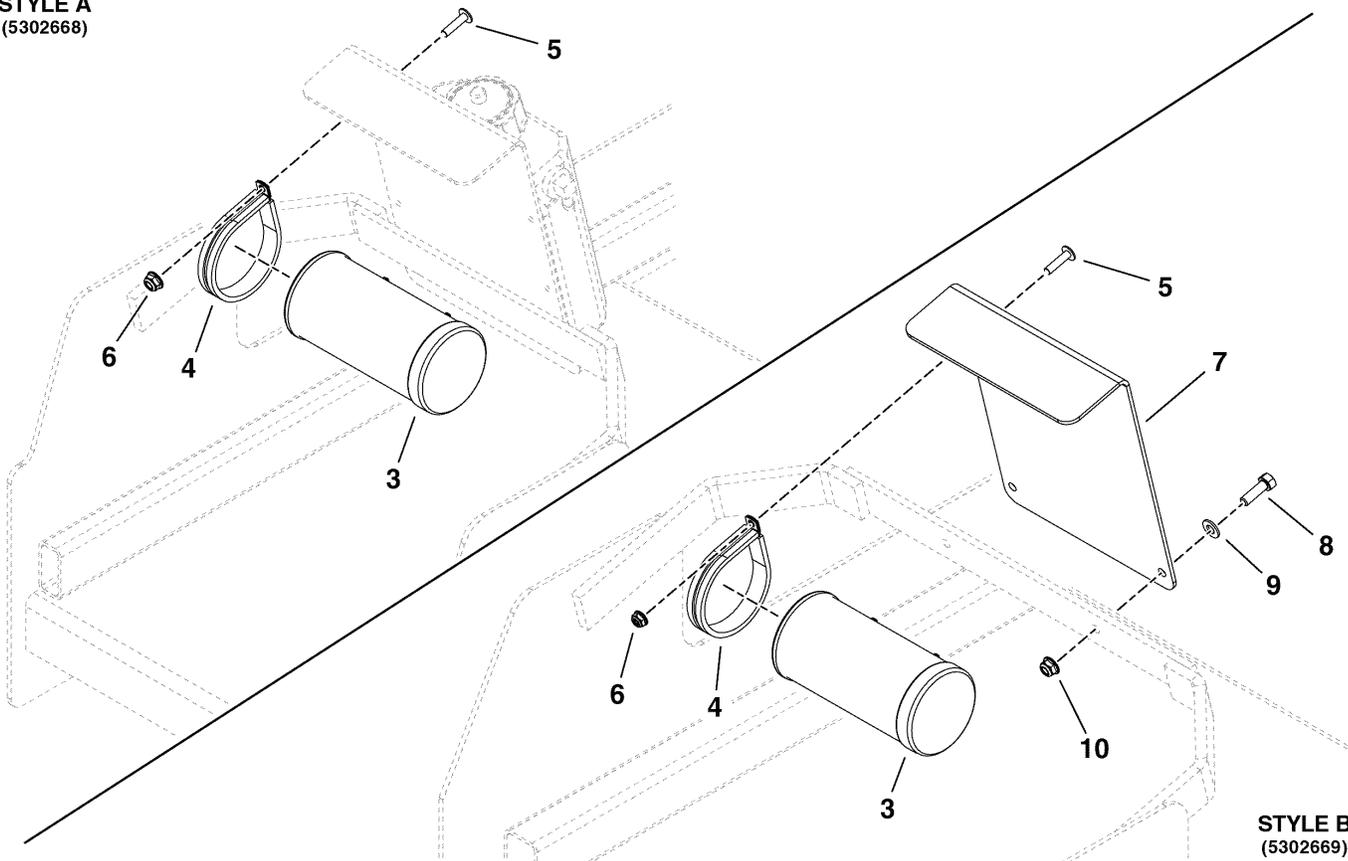
The above parts group applies to the following Mfg. Nos.:

5900981 (IS500ZB2752 ANSI-EXP)

Evap Canister Group

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

STYLE A
(5302668)



The above parts group applies to the following Mfg. Nos.:
 5900957 (IS500ZB2752)
 5900958 (IS500ZB2761)

Evap Canister Group

REF NO	PART NO.	QTY.	DESCRIPTION
1a	7700552X24P5	1	HOSE, VAPOR, 5MM ID, 24.50 LG (Style A Setup)
1b	7700552X27	1	HOSE, VAPOR, 5MM ID, 27.00 LG (Style B Setup)
2a	7700552X26	1	HOSE, VAPOR, 5MM ID, 26.00 LG (Style A Setup)
2b	7700552X30	1	HOSE, VAPOR, 5MM ID, 39.00 LG (Style B Setup)
3	313036	1	CNSTR, CARB, 6 GAL
4	5103055	2	CLAMP, 3" ID, CUSHIONED, STAINLESS
5	5025299X6	2	BOLT, 1/4-20 X 3/4, ALLEN BUTTON HD, YZ
6	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE
7	5408210A	1	PLATE, CARB CANISTER MOUNT, IS1500 - BLK
8	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
9	5025155	2	WASHER, 5/16 SAE
10	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
11	--	1	DECAL, EPA CERT, ZTRS (Located on frame near Serial Tag)
12	1752800	1	DUST FILTER, CANISTER (SV)
13	7104638	1	ASSEMBLY, REMOTE VENT - NO VALVE (SV)
14	209043	1	GROMMET (SV)

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Reproduction

Footnotes

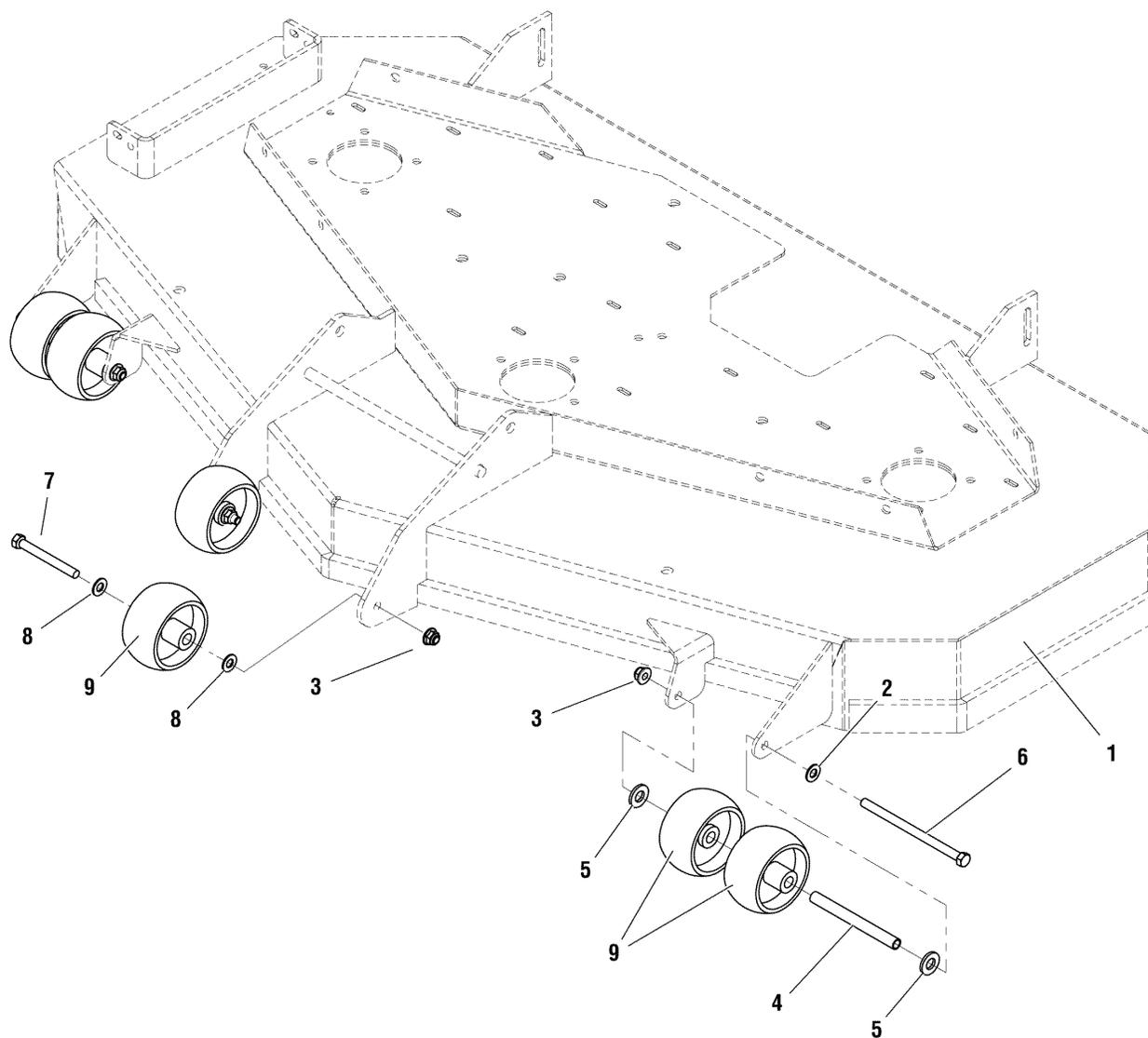
The above parts group applies to the following Mfg. Nos.:

5900957 (IS500ZB2752)

5900958 (IS500ZB2761)

52" Mower Deck - Rollers & Casters

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



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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

52" Mower Deck - Rollers & Casters

REF NO	PART NO.	QTY.	DESCRIPTION
1	-	-	MOWER DECK (SEE HOUSING, COVERS, SPINDLES & BLADES GROUP
2	5025156	2	WASHER, 3/8" SAE
3	5025100	4	NUT, 3/8-16 Hex Side Lock
4	5046586	2	SPACER, .38 X .50 X 5.06
5	5025158	4	WASHER, 1/2" SAE
6	5025013X48	2	BOLT, 3/8-16 x 6
7	2108765	2	BOLT, REAR WHEEL
8	1960027	4	WASHER
9	1714760	6	GAUGE WHEEL

Not for
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Footnotes

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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

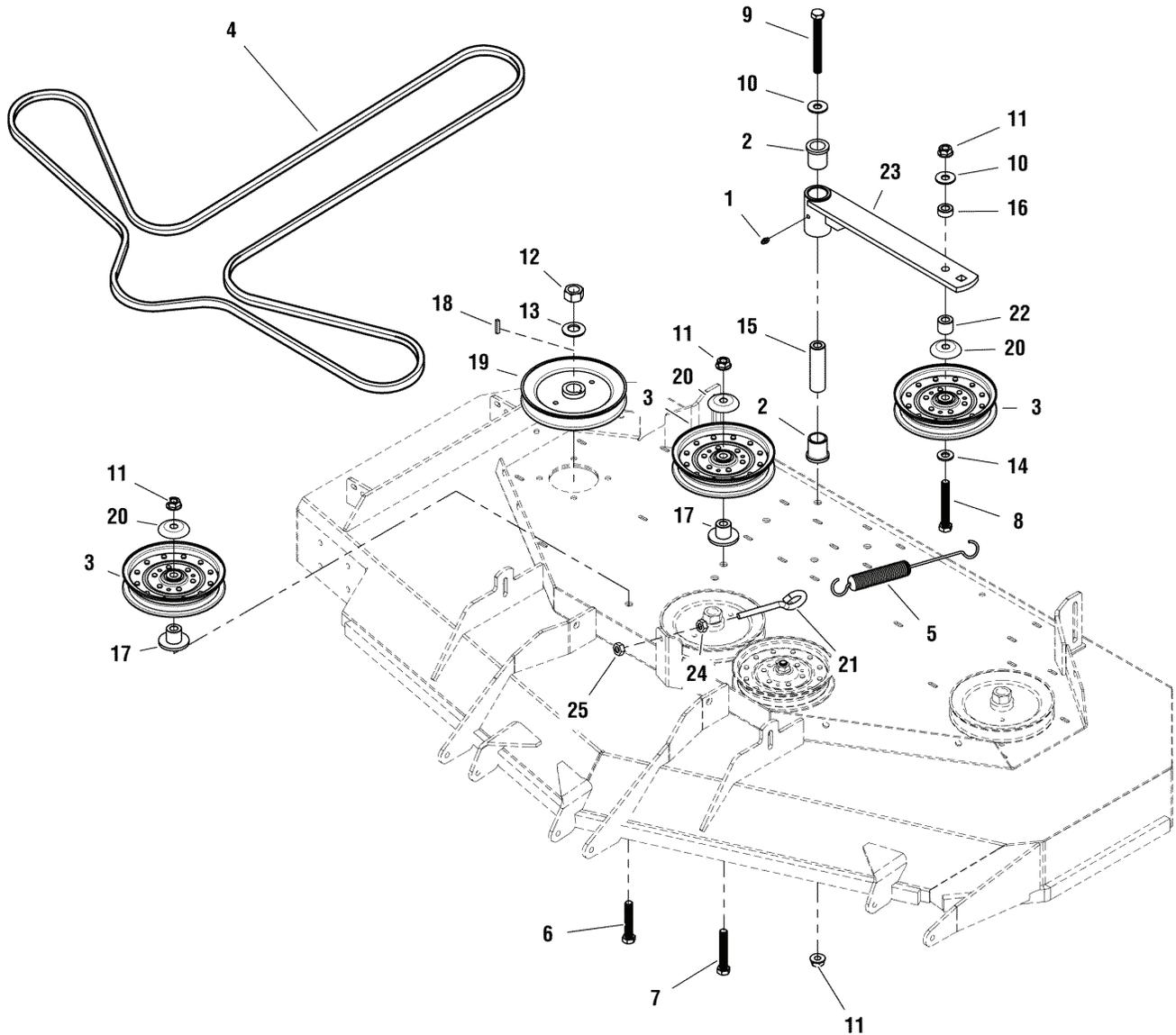
5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

61" Mower Deck - Pulleys, Belts & Idler Arm

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

5301526



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

5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

61" Mower Deck - Pulleys, Belts & Idler Arm

REF NO	PART NO.	QTY.	DESCRIPTION
1	5020095	1	GREASE FITTING, 1/4-28 STRAIGHT
2	5021541	2	BUSHING, FLANGE
3	5600184	4	KIT, PULLEY & SHIELD (SV)(Includes Ref Nos 3 & 20)
4	5023386	1	BELT, #7-8592, 173
5	5023340	1	SPRING-EXTENSION, SWIVEL END
6	5025017X22	2	BOLT, 1/2-13 X 2-3/4 GD5
7	5025017X24	1	BOLT, 1/2-13 X 3 GD5
8	5025017X28	1	BOLT, 1/2-13 X 3-1/2 GD5
9	5025017X36	1	BOLT, 1/2-13 X 4-1/2 GD5
10	5025150	2	WASHER, 1/2 USS
11	5025396	5	NUT, 1/2-13 HEX NYLOCK FLANGE
12	5025405	3	NUT, 3/4-16 HEX
13	5025406	3	WASHER, 3/4 BELLEVILLE
14	5025440	1	WASHER, 1/2 GD9 YZ
15	5045022	1	SPACER, .52 X 1.00 X 3.50
16	5045023	1	SPACER, .52 X 1.00 X .44
17	5103430	3	WELD, MOUNT, IDLER
18	5050407X10	3	KEY, 1/4 SQ. X 1-1/4
19	5100700	3	PULLEY, 6.93 EOD X 25MM, SPLIT
20	5101103	4	SHIELD, PULLEY BEARING
21	5021811	1	EYE BOLT, 3/8-16 X 8, 1 EYE
22	5044673	1	SPACER, .52 X 1.00 X .88
23	5403007A	1	WELD, IDLER ARM - BLK
24	5025084	1	NUT, 3/8-16 HEX JAM
25	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE

Footnotes

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

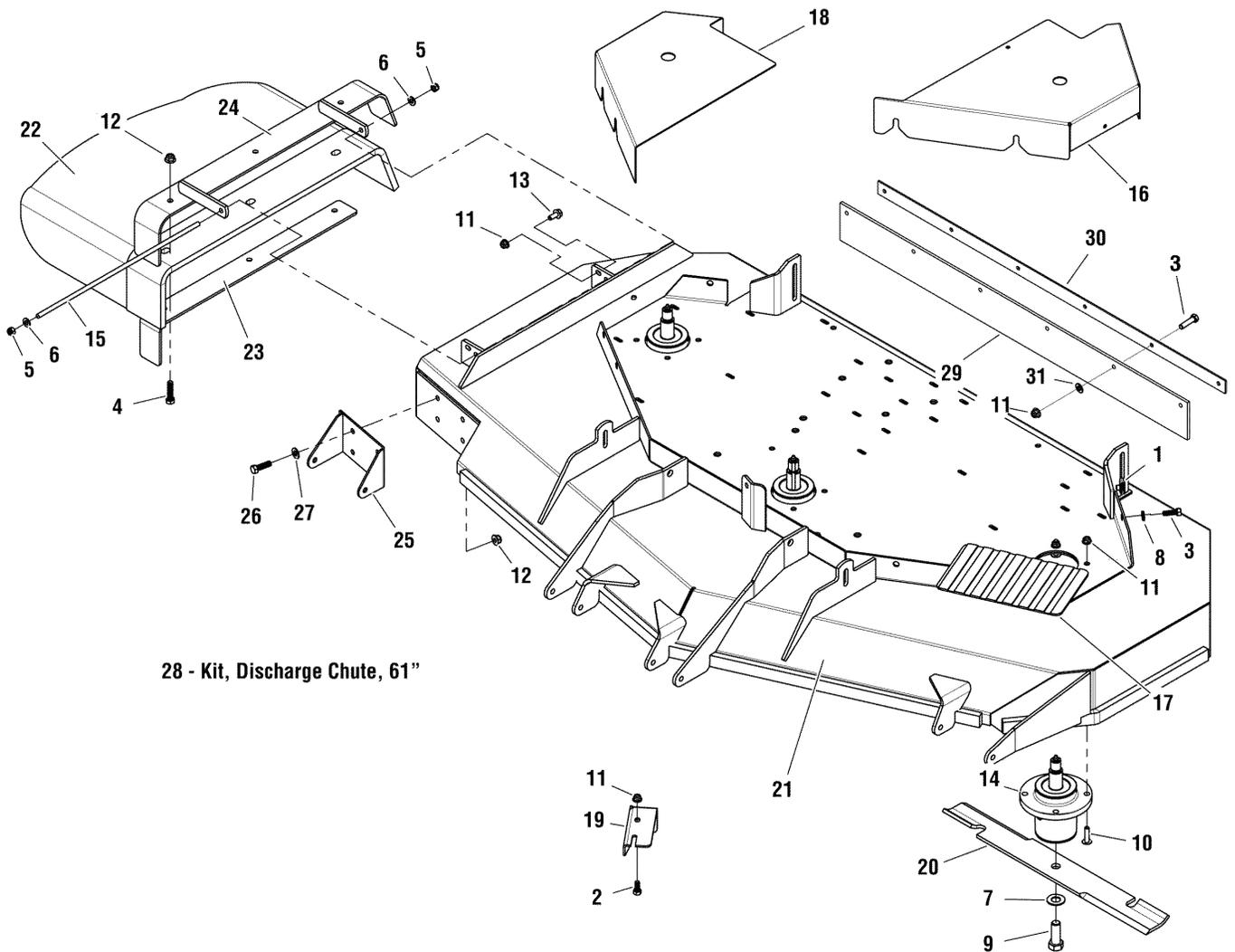
5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

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

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

5301527



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

5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

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

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
2	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
3	5025011X8	12	BOLT, 5/16-18 X 1 GD5 YZ
4	5025013X12	3	BOLT, 3/8-16 X 1-1/2 GD5 YZ
5	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
6	5025155	2	WASHER, 5/16 SAE
7	5025477	3	WASHER, 5/8 GRADE 8, YZ
8	5025292	6	WASHER, 5/16 GD.9 FLAT
9	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
10	5023156	12	BOLT, 5/16-18 X 1 1/4 FLANGE
11	5025392	21	NUT, 5/16-18 HEX NYLOCK FLANGE
12	5025394	7	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025411	1	BOLT, 5/16-18 X 3/4 FLANGE
14	5061095	3	ASSM, SPINDLE, LOW PROFILE
15	5061300	1	ROD MOUNT, CHUTE 61"
16	5404483B	1	GUARD, 61 - LH - RED
17	5101005	1	SAFETY WALK, 9.75 X 6.00
18	5404482B	1	GUARD, 61 - RH - RED
19	5401344A	1	PLATE, DEFLECTOR - BLK
20	5101755S	1	BLADE, 21" (SET OF 3)
21	5600288	1	DECK SHELL W/ DECALS, 61" (SV)
22	5404834	1	CHUTE, DISCHARGE, BEND RUBBER 61" (SV) (SV)
23	5404718A	1	SUPPORT, DISCHARGE CHUTE - BLK
24	5404716B	1	WELD, FRAME CHUTE, 61
25	5408810B	1	PLATE, BRACKET, ANTI SCALP - RED
26	5025013X10	4	BOLT, 3/8-16 X 1-1/4 GD5
27	5025156	4	WASHER, 3/8 SAE
28	5600289	1	KIT, DISCHARGE CHUTE, 61" (SV) (SV - Includes Ref Nos 4, 12 & 22-24)
29	5102036	1	FLAP, STRIPER, 61 DECK
30	5405322A	1	PLATE, SUPPORT - BLK
31	5025498	2	5/16 PUSH-ON NUT RETAINER, STL, CZ

Footnotes

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

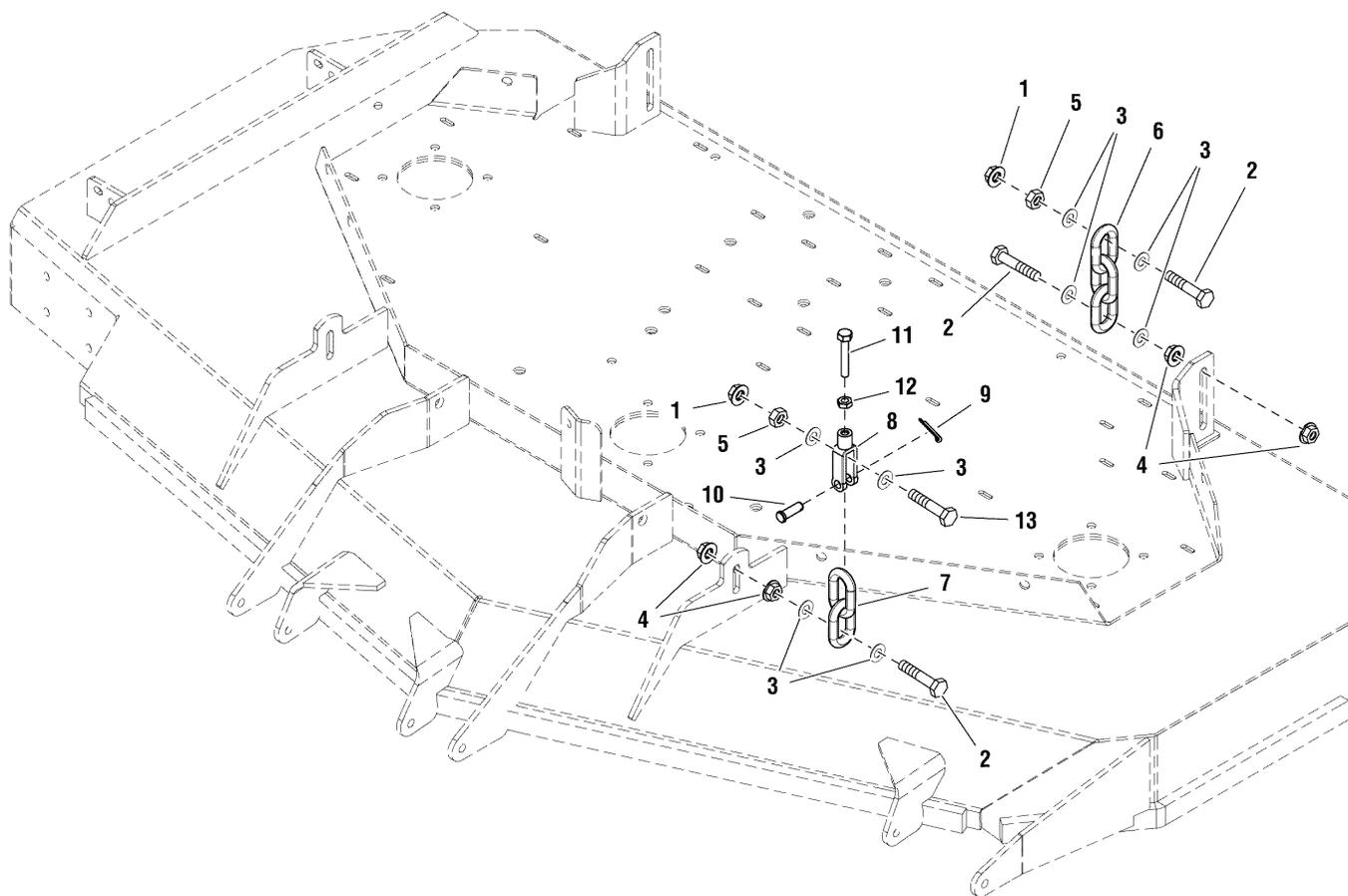
5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

61" Mower Deck - Hanger Chains

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

5301592



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

5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

61" Mower Deck - Hanger Chains

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
2	5025013X14	6	BOLT, 3/8-16 X 1-3/4 GD5
3	5025156	12	WASHER, 3/8 SAE
4	5025128	8	NUT, 3/8-16 HEX SERRATED FLANGE
5	5025084	4	NUT, 3/8-16 HEX JAM
6	5050878X3	2	CHAIN, 5/16 GD30, 3 LINKS
7	5050878X2	2	HANGER, FRONT DECK - 2 LINK
8	5100375	2	CLEVIS, 5/16-18, 3/8 PIN HOLE
9	5025214X9	2	PIN, CLEVIS, 3/8 X 1-1/8
10	5025203X6	2	PIN, COTTER, 1/8 X 3/4
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

Not for
Reproduction

Footnotes

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

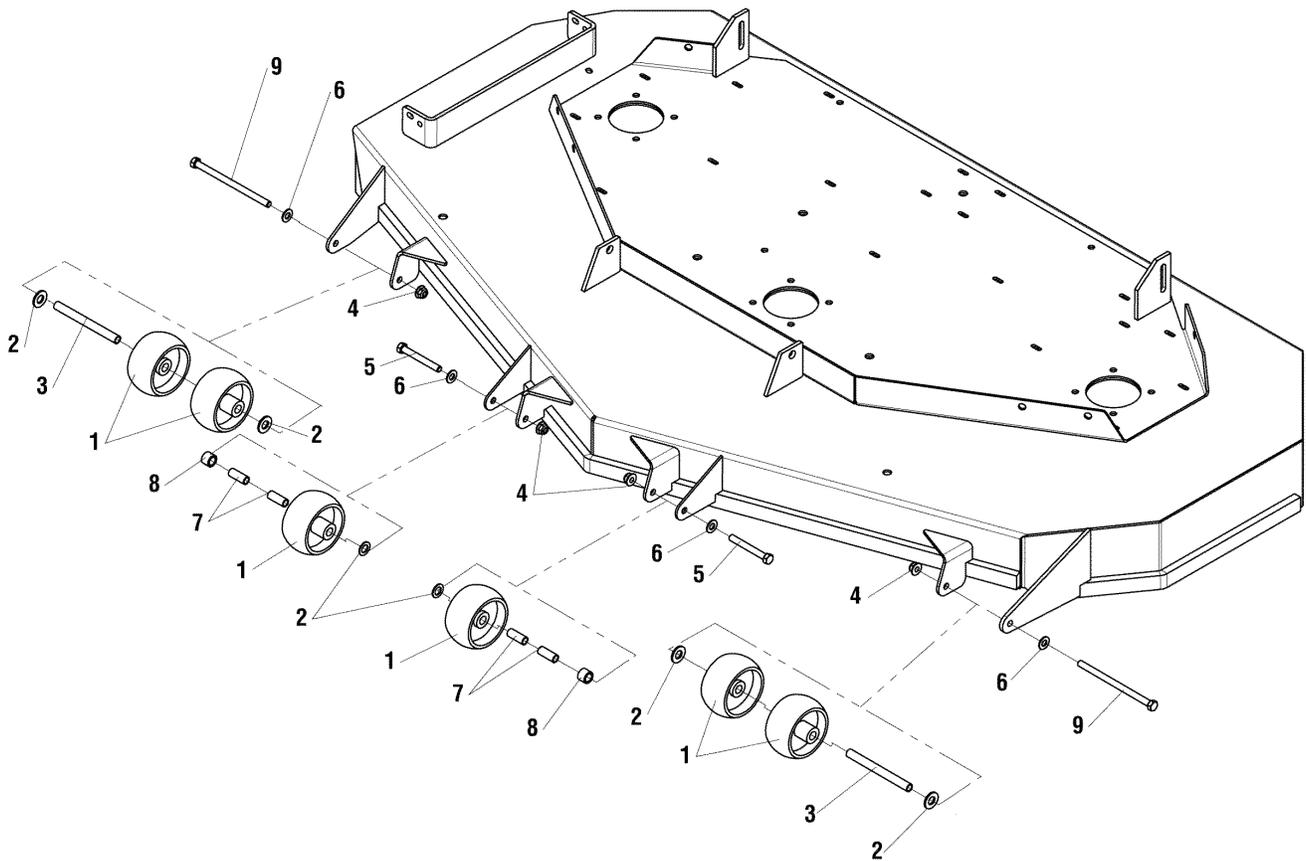
5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

61" Mower Deck - Rollers & Casters

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

5301285



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

5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

61" Mower Deck - Rollers & Casters

REF NO	PART NO.	QTY.	DESCRIPTION
1	1714760	6	WHEEL- 2.00 WIDE 3.88 DIA 0.531ID POLY
2	5025440	6	WASHER, 1/2 GD9 YZ
3	5046586	2	SPACER, .38 X .50 X 5.06
4	5025100	4	NUT, 3/8-16 HEX SIDE LOCK
5	5025013X28	2	BOLT, 3/8-16 X 3-1/2 GD5 YZ
6	5025156	4	WASHER, 3/8 SAE
7	5041931	4	SPACER, .38 X .50 X 1.25
8	5047027	2	SPACER, .51 X .75 X .56
9	5025013X48	2	BOLT, 3/8-16 X 6 GD5 YZ

Not for
Reproduction

Footnotes

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

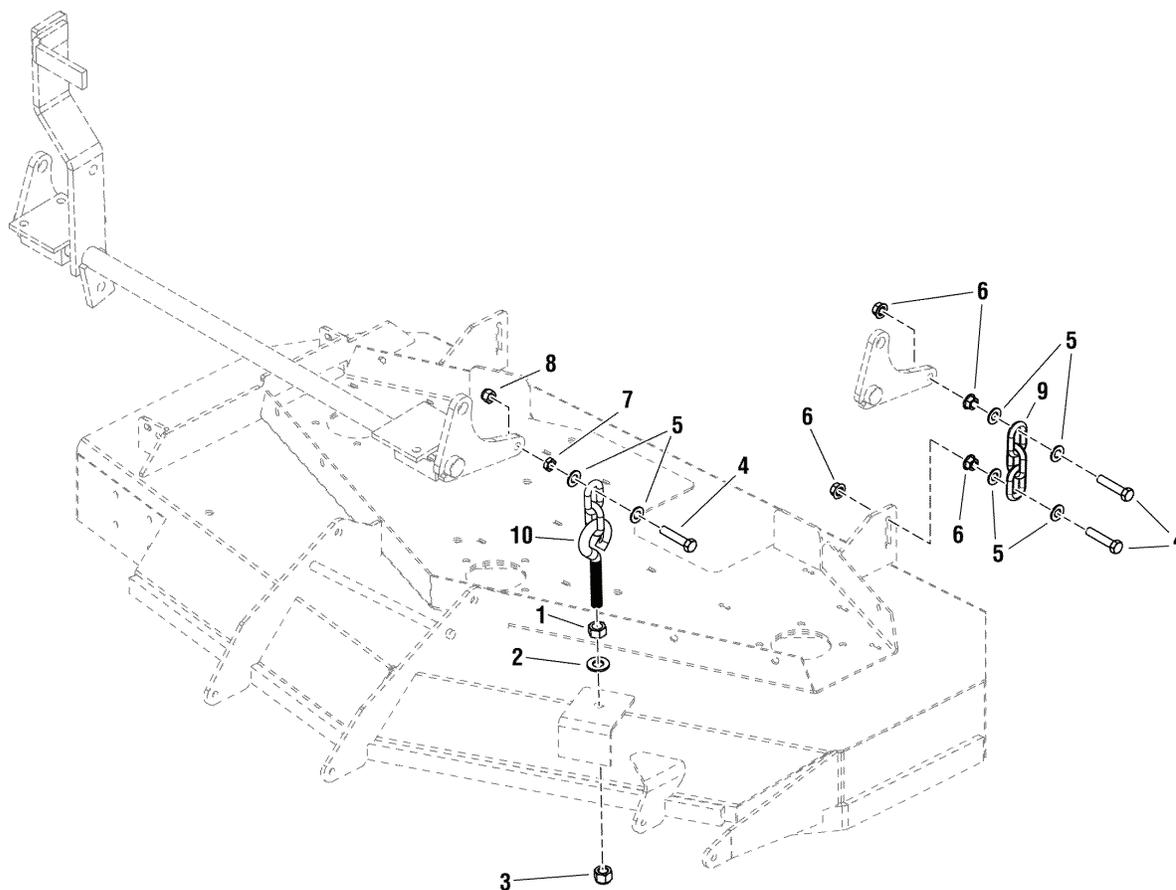
5900770 (IS500ZB2661)

5900958 (IS500ZB2761)

52" Mower Deck - Hanger Chains

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

5300665A



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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

52" Mower Deck - Hanger Chains

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025038	2	NUT, 1/2-13 HEX
2	5025158	2	WASHER, 1/2" SAE
3	5025396	2	NUT, 1/2-13 HEX NYLOCK FLANGE
4	5025013X14	6	BOLT, 3/8-16 X 1-3/4" GD5
5	5025156	12	WASHER, 3/8" SAE
6	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE
7	5025084	4	NUT, 3/8-16 HEX JAM
8	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
9	5050878X3	2	CHAIN, 5/16" GD30, 3 LINKS
10	5047503	2	HANGER, FRONT DECK - 2 LINK

Not for
Reproduction

Footnotes

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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

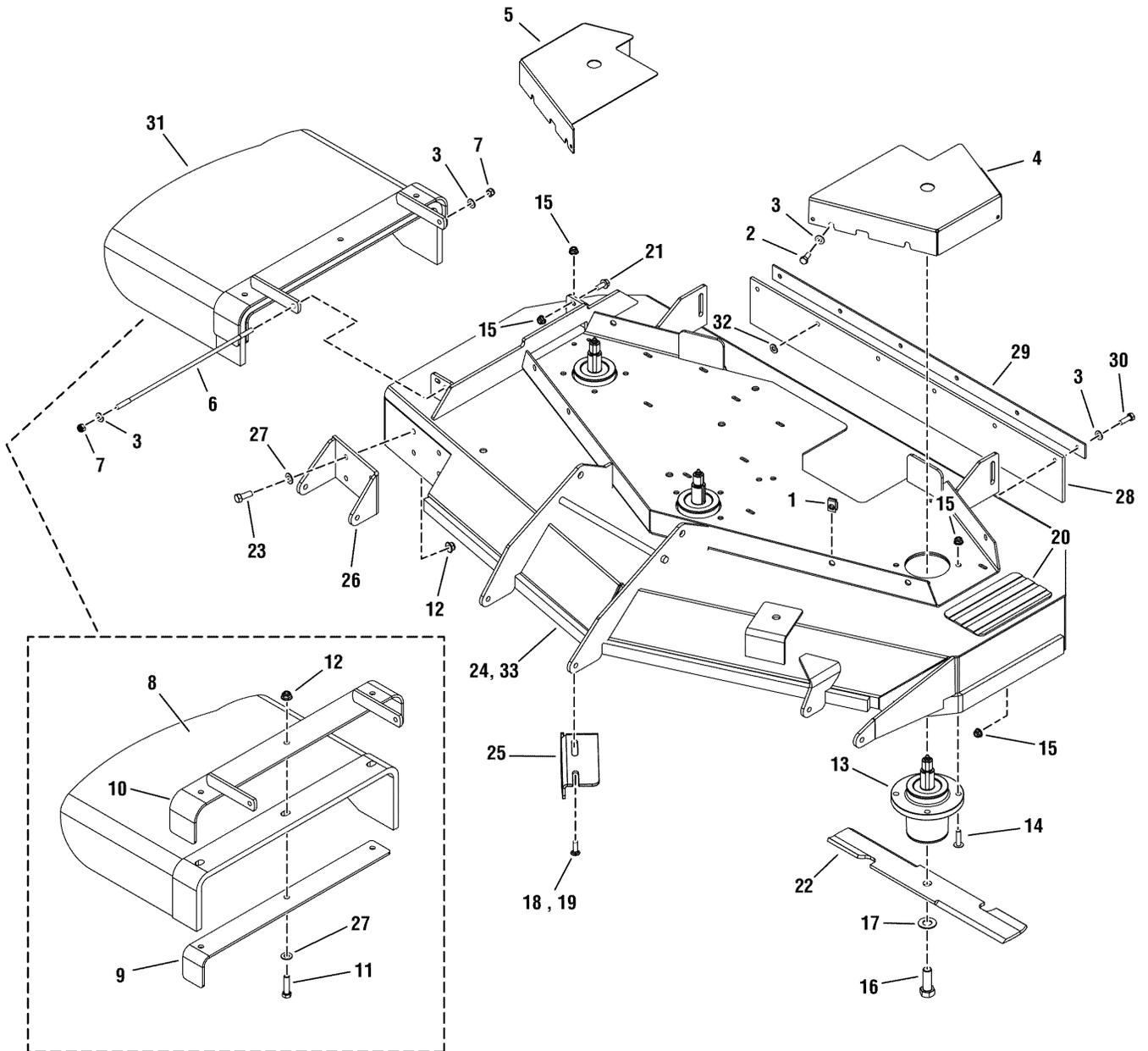
5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

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

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

5301126A



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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

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

REF NO	PART NO.	QTY.	DESCRIPTION
1	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
2	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
3	5025155	14	WASHER, 5/16 SAE
4	5061811B	1	GUARD, 52" DECK - LH
5	5405037B	1	GUARD, 52" DECK - RH
6	5061300	1	ROD, CHUTE MOUNT, 61, CZ
7	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
8	5402403	1	CHUTE, DISCHARGE, RUBBER, 61/72 (SV)
9	5402360A	1	SUPPORT, DISCHARGE CHUTE - BLK
10	5061293B	1	WELD, FRAME, CHUTE, 61 - RED
11	5025013X12	3	BOLT, 3/8-16 X 1-1/2 GD5 YZ
12	5025394	7	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5061095	3	ASSM, SPINDLE, LOW PROFILE
14	5023156	12	BOLT, 5/16-18 X 1 1/4 FLANGE
15	5025392	22	NUT, 5/16-18 HEX NYLOCK FLANGE
16	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
17	5025477	3	WASHER, 5/8 GRADE 8, YZ
18	5025145X8	1	BOLT, 5/16-18 X 1, CARRIAGE
19	5025145X6	1	BOLT, 5/16-18 X 3/4, CARRIAGE
20	5101004	1	SAFETY WALK, 4.00 X 7.50
21	5025411	1	BOLT, 5/16-18 X 3/4 FLANGE
22	5101756S	1	BLADE, 18 X .25 X 2.5, 1 X 3.5 (SET OF THREE) (SV)
23	5025013X10	4	BOLT, 3/8-16 X 1-1/4 GD5 YZ
24	5600315	1	DECK SHELL W/DECALS (SV)
25	5405557A	1	PLATE, DEFLECTOR, 52" - BLK
26	5408810B	1	PLATE, BRACKET, ANTI SCALP - RED
27	5025156	7	WASHER, 3/8 SAE
28	5102015	1	FLAP, STRIPER
29	5405238A	1	PLATE, SUPPORT - BLK
30	5025011X8	6	BOLT, 5/16-18 X 1 GD5 YZ
31	5600086	1	KIT, DISCHARGE CHUTE (SV)
32	5025498	2	5/16 PUSH-ON NUT RETAINER, STL, CZ
33	5600591	1	*DECK SHELL W/DECALS (SV - Export Models)

Footnotes

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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

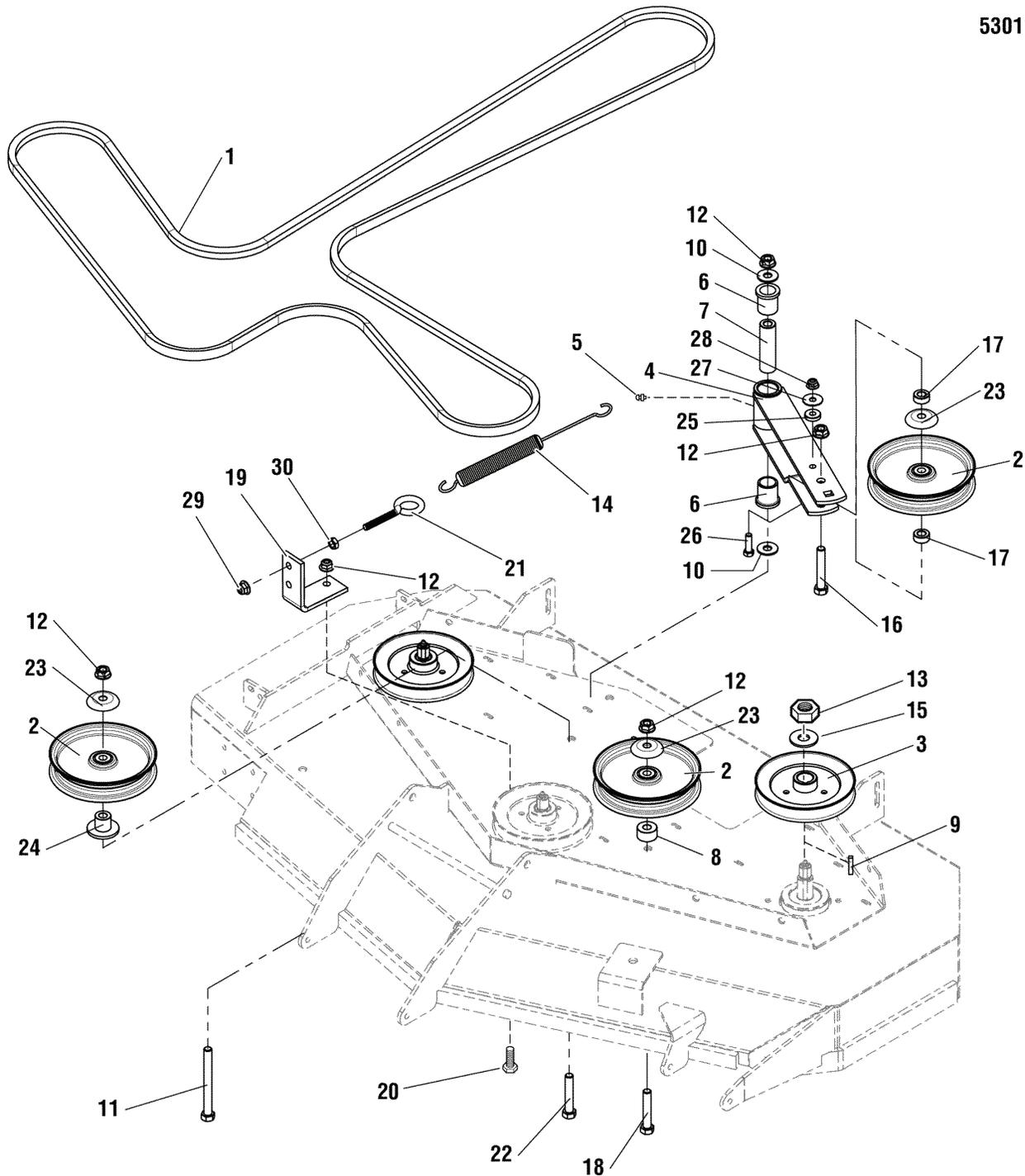
5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

52" Mower Deck - Pulleys, Belts & Idler Arm

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

5301127A



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

5900981 (IS500ZB2752 ANSI-EXP)

5900841 (IS500ZB2652 AUS/NZ)

5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

52" Mower Deck - Pulleys, Belts & Idler Arm

REF NO	PART NO.	QTY.	DESCRIPTION
1	5023304	1	BELT, # 7-8674, 161.40
2	5600184	3	KIT, PULLEY & SHIELD (SV)
3	5101351	3	PULLEY, 5.926 OVER BALL
4	5403134A	1	WELD, IDLER ARM - BLK
5	5020095	1	GREASE FITTING, 1/4-28 STRAIGHT
6	5021541	2	BUSHING, FLANGE
7	5045022	1	SPACER, .52 X 1.00 X 3.50
8	5047142	1	SPACER, .52 X 1.25 X .70
9	5050407X10	3	KEY, 1/4 SQ. X 1-1/4
10	5025150	2	WASHER, 1/2 USS
11	5025017X40	1	BOLT, 1/2-13 X 5 GD5 YZ
12	5025396	5	NUT, 1/2-13 HEX NYLOCK FLANGE
13	5025405	3	NUT, 3/4-16 HEX
14	5100632	1	SPRING, EXTENSION, SWIVEL. LONG HOOK
15	5025406	3	WASHER, 3/4 BELLEVILLE
16	5025017X24	1	BOLT, 1/2-13 X 3 GD5
17	5045023	2	SPACER, .52 X 1.00 X .44
18	5025017X20	1	BOLT, 1/2-13 X 2-1/2 GD5
19	5404088A	1	BRACKET, EYEBOLT MOUNT - BLK
20	5025017X12	1	BOLT, 1/2-13 X 1-1/2 GD5 YZ
21	5025141X26	1	EYE BOLT, 5/16-18 X 3-1/2, 2-1/8 THRD.
22	5025017X26	1	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, YZ
23	5101103	3	SHIELD, PULLEY BEARING
24	5103430	1	WELD, MOUNT, IDLER
25	5044960	1	SPACER, .39 X 1.00 X .25
26	5025013X10	1	BOLT, 3/8-16 X 1-1/4 GD5
27	5025165	1	WASHER, 3/8 FENDER
28	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
29	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE
30	5025032	1	NUT, 5/16-18 HEX

Footnotes

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

5900981 (IS500ZB2752 ANSI-EXP)

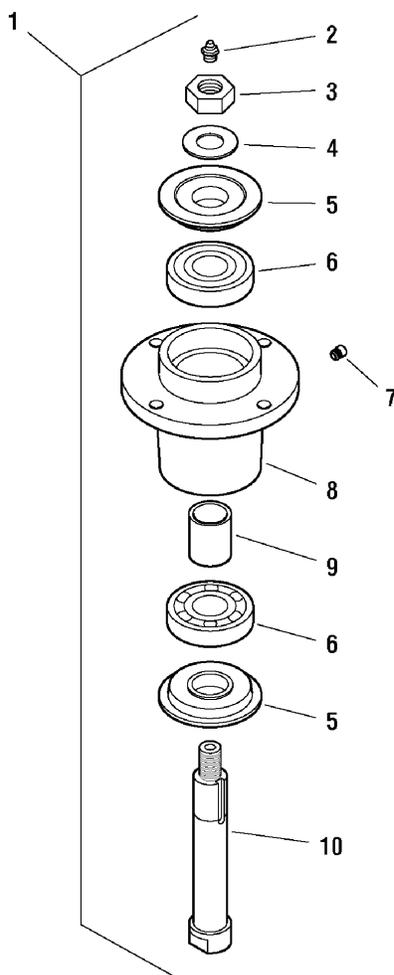
5900841 (IS500ZB2652 AUS/NZ)

5900842 (IS500ZB2652)

5900957 (IS500ZB2752)

Spindle Service Parts - 5061095

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



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Spindle Service Parts - 5061095

REF NO	PART NO.	QTY.	DESCRIPTION
1	5061095	3	ASSM, SPINDLE, LOW PROFILE (Includes Ref No. 2 - 10)
2	5023329	3	FITTING
3	5025405	3	NUT, 3/4-16 HEX
4	5025406	3	WASHER, 3/4 BELLEVILLE
5	5049793	6	SHIELD, TRASH
6	5023330	6	BEARING, .98 X 2.44 X .67
7	5023296	3	FITTING, RELIEF, 1-5 PSI
8	5061097	3	HOUSING, SPINDLE
9	5061099	3	SPACER
10	5061098	3	SHAFT, SPINDLE

Not for
Reproduction

Footnotes

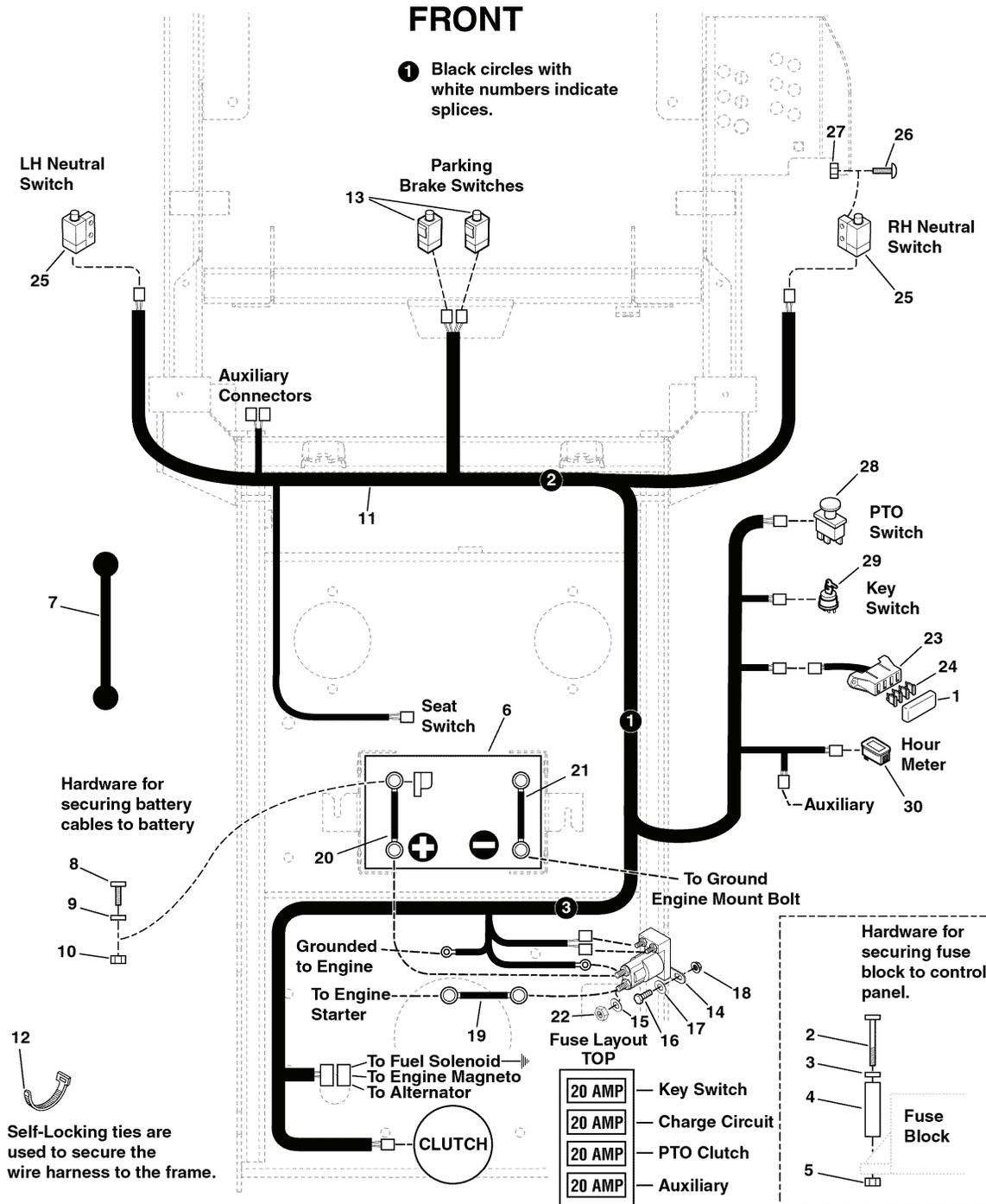
The above parts group applies to the following Mfg. Nos.:

5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

Electrical Group - Briggs & Stratton

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

5300782



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Electrical Group - Briggs & Stratton

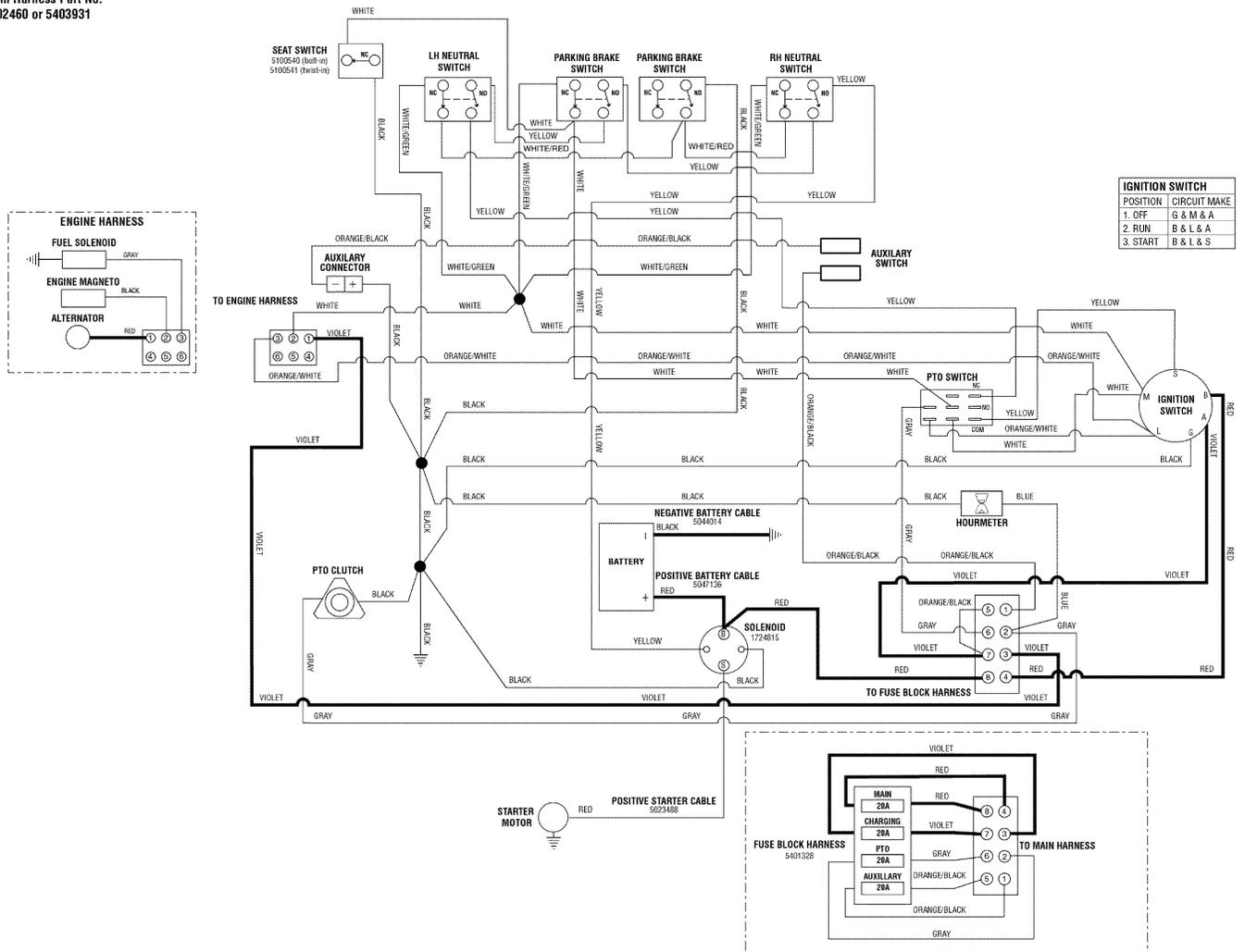
REF NO	PART NO.	QTY.	DESCRIPTION
1	5022805	1	COVER, VINYL FUSEBLOCK
2	5025270X16	2	SCREW, #10-24 X 2 ROUND PHILLIPS
3	5023499	2	WASHER, #10 SAE
4	5061763	2	SPACER, .20 X .38 X 1.25
5	5025271	2	NUT, #10-24 HEX NYLON LOCK
6	5020798	1	BATTERY, WET (BCIU1, 340 CCA)
7	1722009	1	STRAP-BLACK RUBB
8	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
9	5025154	2	WASHER, 1/4 SAE
10	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
11	5402460	1	WIRE HARNESS, WARNER - IS500Z
12	5021029	8	TIE, SELF-LOCKING, 12"
13	5022182	2	SWITCH, PLUNGER, NO/NC SNAP-IN
14	1724815	1	SOLENOID-4 POLE 12 VOLT DC (TROMBETTA)
15	5023217	2	WASHER, 5/16 LIGHT LOCK
16	5025010X5	2	BOLT-1/4-20 X 5/8 GD5 YZ
17	5025154	2	WASHER, 1/4 SAE
18	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
19	5023488	1	BATTERY CABLE, POSITIVE, 22
20	5047136	1	BATTERY CABLE, POSITIVE, 15
21	5044014	1	BATTERY CABLE, NEGATIVE, 10
22	5023216	2	NUT, 5/16-24 JAM
23	5401328	1	WIRE HARNESS, FUSE BLOCK - IS2000
24	5021603	1	FUSE, ATO, 20 AMP (SV)
25	5022095	2	SWITCH, PLUNGER, N.O./N.C.
26	5025179X4	4	SCREW- #10-24 X 1/2 ROUND PHILLIPS
27	5025029	4	NUT, #10-24 HEX
28	5022180	1	SWITCH, BLADE ENGAGEMENT
29	5020927	1	SWITCH, IGNITION, 6 POST
30	5102417	1	HOUR METER

Footnotes

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

5900770 (IS500ZB2661)
5900981 (IS500ZB2752 ANSI-EXP)
5900841 (IS500ZB2652 AUS/NZ)
5900842 (IS500ZB2652)
5900957 (IS500ZB2752)
5900958 (IS500ZB2761)

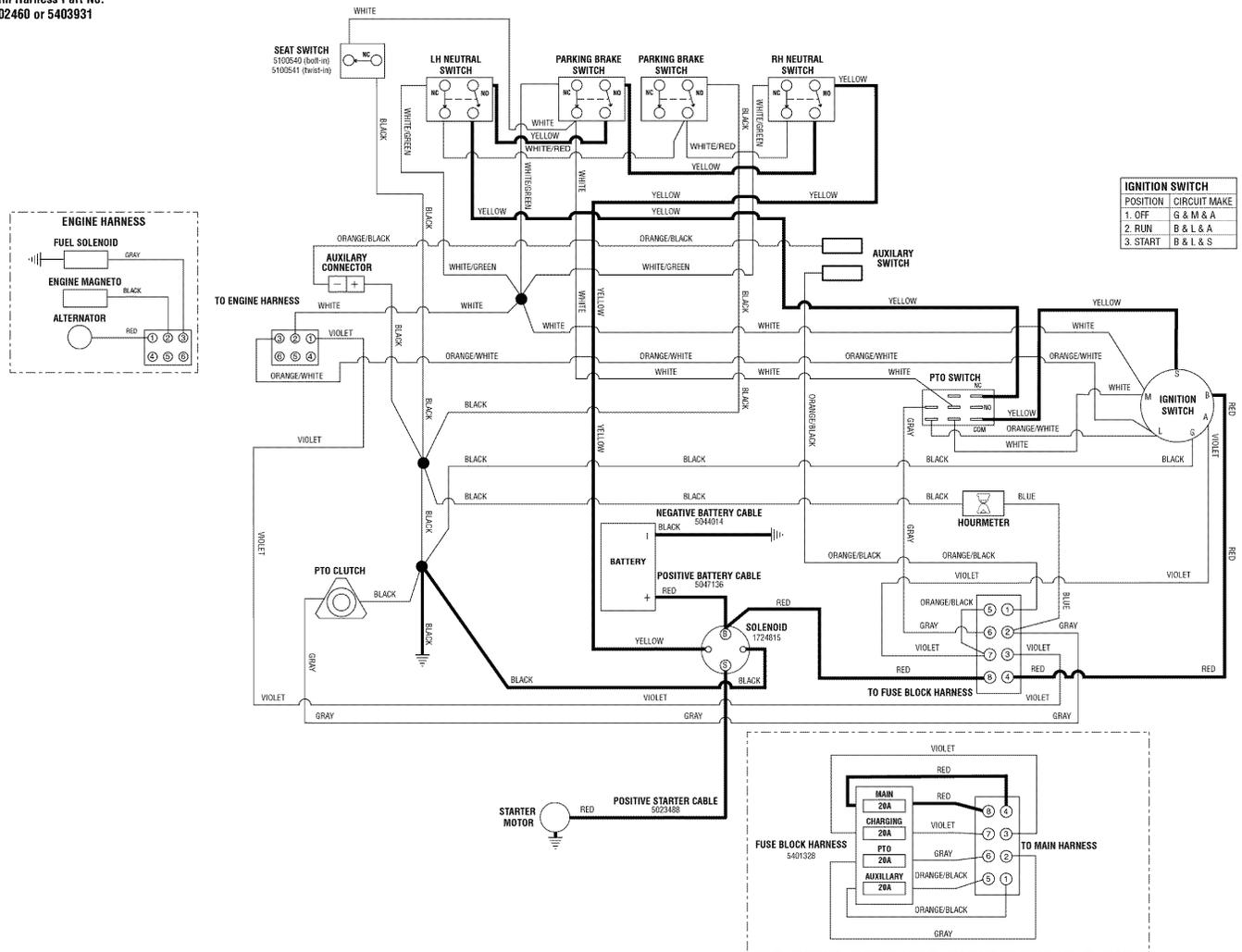
Main Harness Part No:
5402460 or 5403931



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Main Harness Part No:
5402460 or 5403931



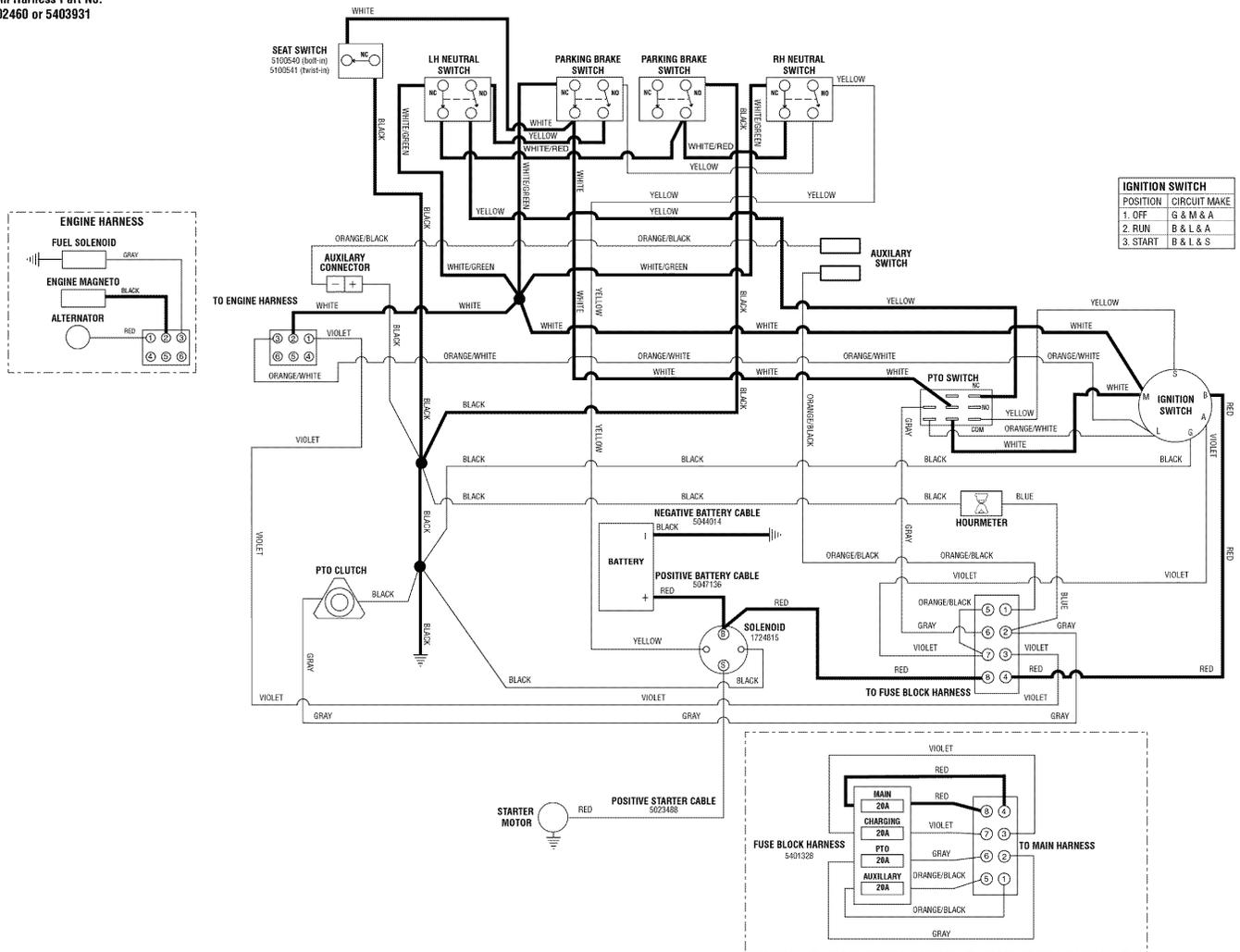
The above parts group applies to the following Mfg. Nos.:

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Electrical Schematic - Ignition Grounding Circuit/Operator Presence - Briggs & Stratton

5300782I

Main Harness Part No:
5402460 or 5403931



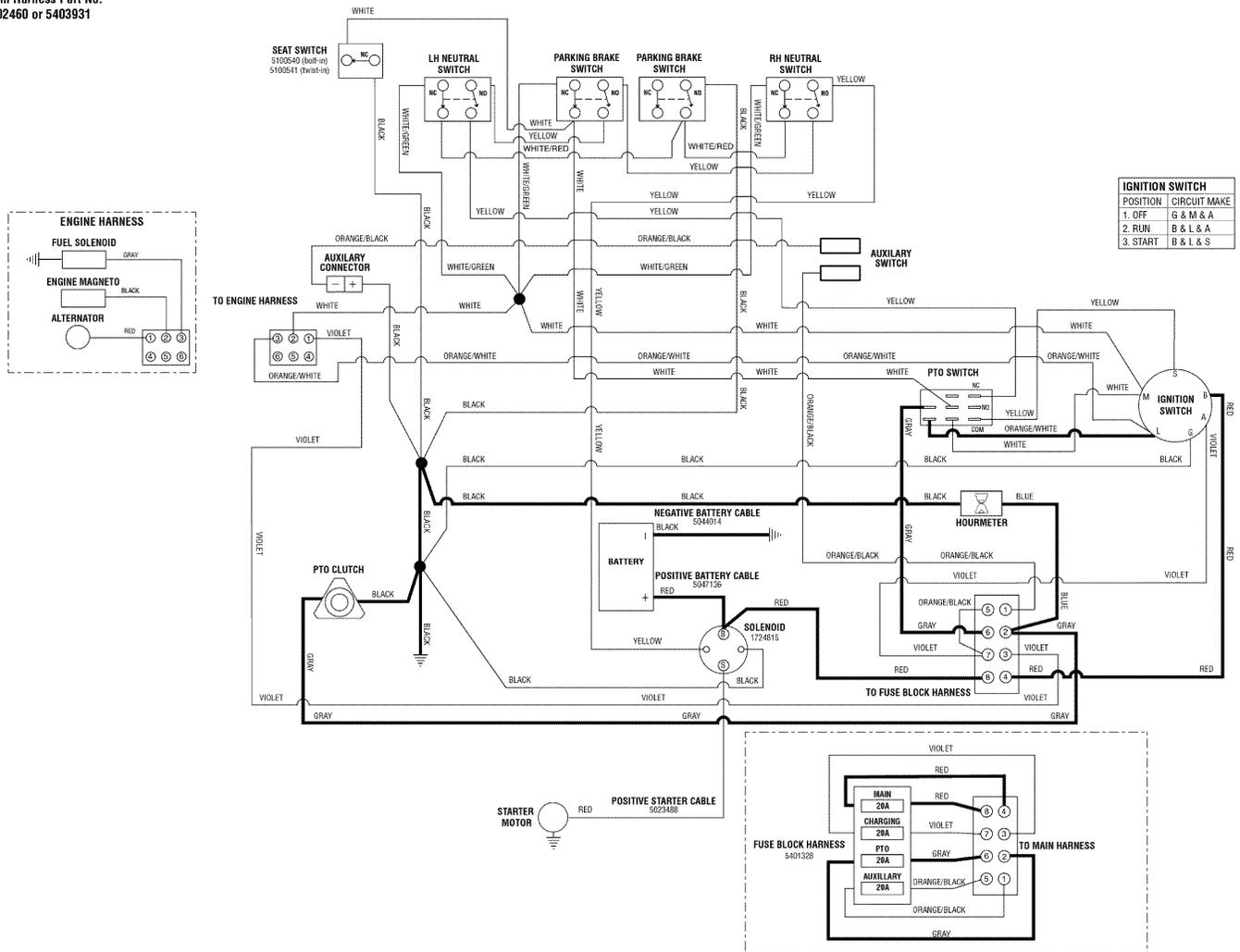
The above parts group applies to the following Mfg. Nos.:

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Electrical Schematic - PTO Clutch Circuit - Briggs & Stratton

5300782P

Main Harness Part No:
5402460 or 5403931



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

- 5900770 (IS500ZB2661)
- 5900981 (IS500ZB2752 ANSI-EXP)
- 5900841 (IS500ZB2652 AUS/NZ)
- 5900842 (IS500ZB2652)
- 5900957 (IS500ZB2752)
- 5900958 (IS500ZB2761)

Not for
Reproduction

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

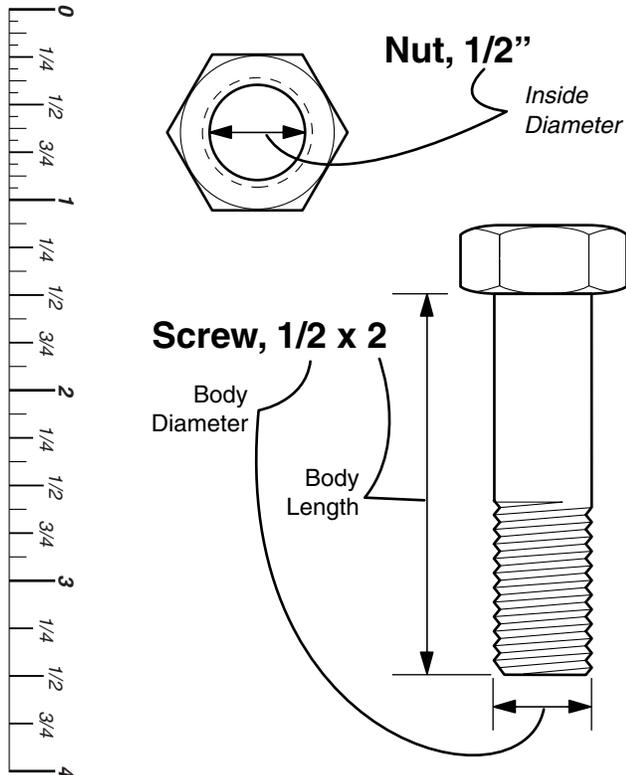


Standard Hardware Sizing

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 $1/2 - 16 \times 2''$, 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 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	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

IS500Z Series

Zero-Turn Riding Mower

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