



Parts Manual

Mfg. No: 5901388

IS700Z CAL Series w/ 61" Side Discharge
iCD Mower Deck (IS700ZKAV2461 CAL)



5600347 - 61" iCD FAST-Vac; 3-Bag Soft Top System (125XT/150XT/IS700Z/IS2100Z/210/ISX2200/S175/	
5600791 - 61" iCD FAST-Vac; 3-Bag Hard Top Grass Collection System (700/210/2100).....	
5600641 - 61" iCD TURBO-Pro 3 Bag Grass Collection System.....	
5600657 - Electric Dump From Seat (IS700Z - 61" iCD Mower Deck).....	
5600784 - 61" iCD TURBO-Pro; 3-Bag Hard Top Grass Collection System (700/125XT).....	
5600898 - Mulch Kit for ZTR w/ 61" Deck - S/N: 2015340577 & Above / Walk Behind w/ 61" Deck - S/N:	
5600656 - Seat Adapter Kit, IS700Z.....	
5600647 - Headlight Kit.....	
5600891 - Roll Bar Mounted LED Headlight Kit.....	
5601161 - 61" iCD TURBO-Pro; 2-Bag Hard Top Grass Collection System (700/150XT/F160).....	
5601564 - 61" iCD TURBO-Pro; 3-Bag Hard Top Grass Collection System (700/125XT).....	
5601574 - 61" iCD TURBO-Pro; 2-Bag Hard Top Grass Collection System (700/150XT/F160).....	

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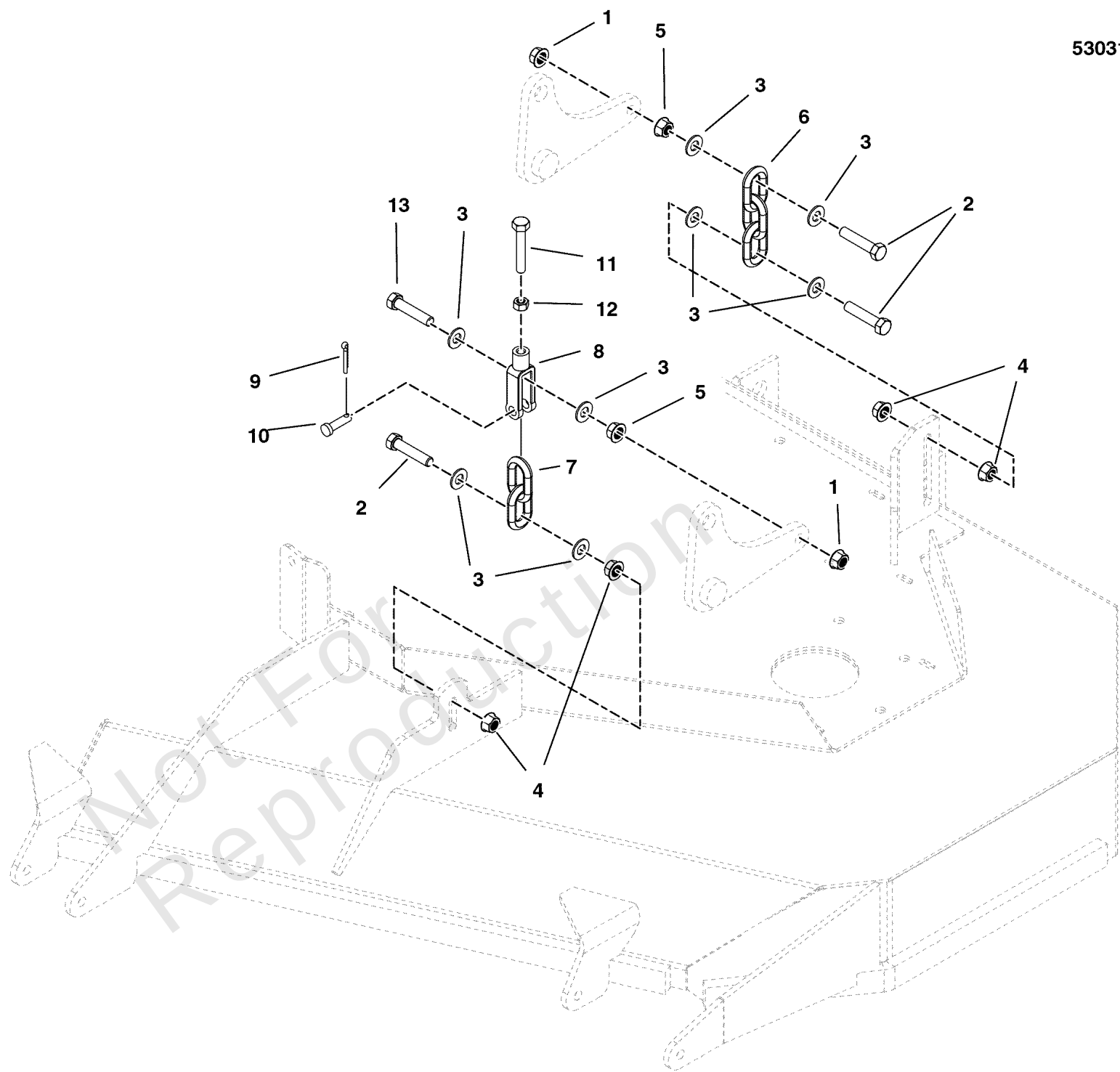
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52", 60", & 61" Mower Deck - Hanger Chains

Note: Unless noted otherwise, use the standard torque specifications

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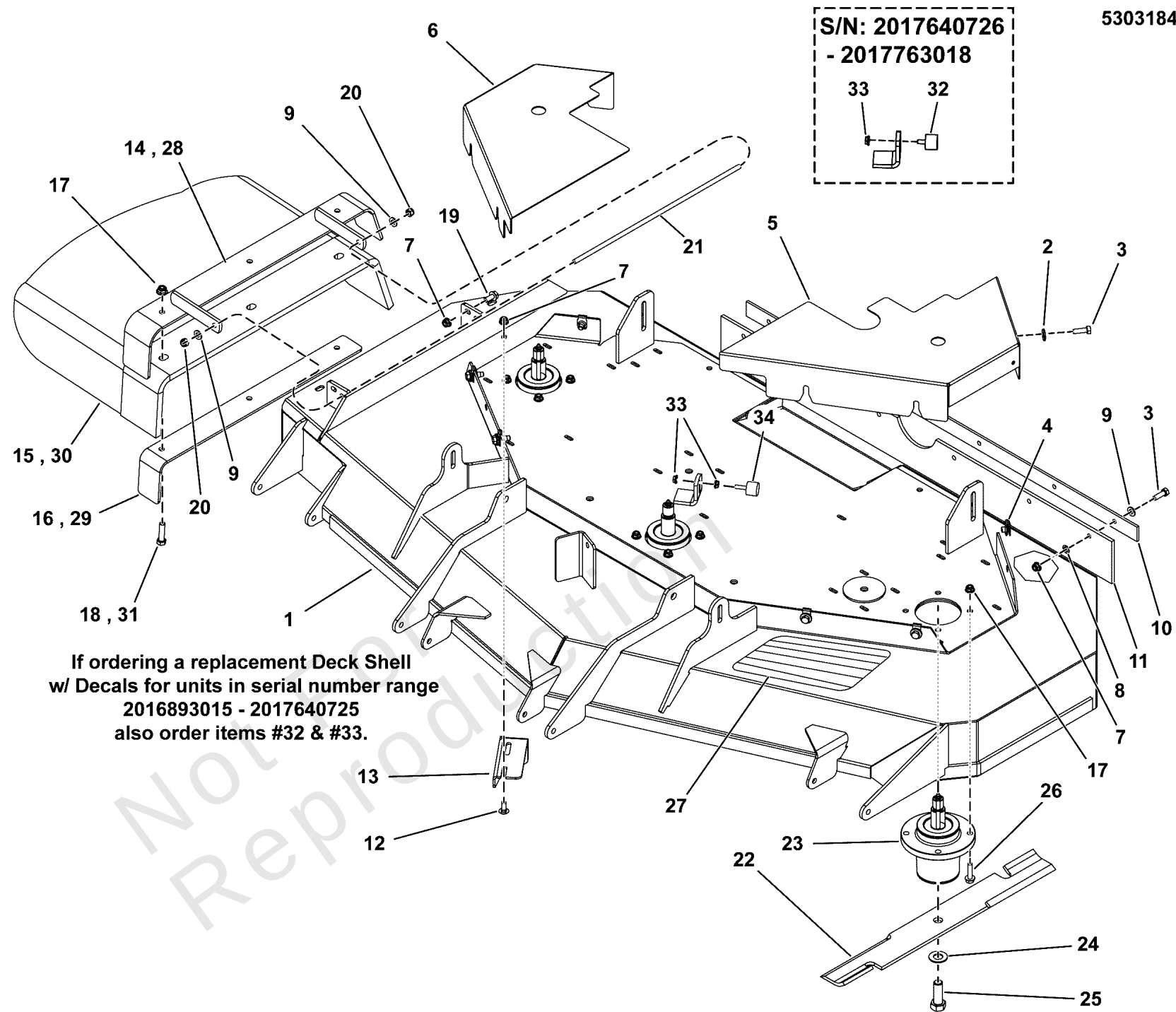
52", 60", & 61" Mower Deck - Hanger Chains

REF NO	PART NO	QTY	DESCRIPTION
1	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
2	5025013X14	6	BOLT, 3/8-16 X 1-3/4" GD5 CZ
3	5025156	16	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	CHAIN, 5/16 GD30, 2 LINKS
8	5100375	2	CLEVIS, 5/16-18, 3/8 PIN HOLE, CLR ZINC
9	80002736	2	PIN, 3/32 X 0.750, COT, ZINC/CLEAR
10	5025214X9	2	PIN, CLEVIS, 3/8 X 1-1/8, CZ
11	5025055X16	2	BOLT, 5/16-18 X 2 GD5 TFL
12	5025032	2	NUT, 5/16-18 HEX
13	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



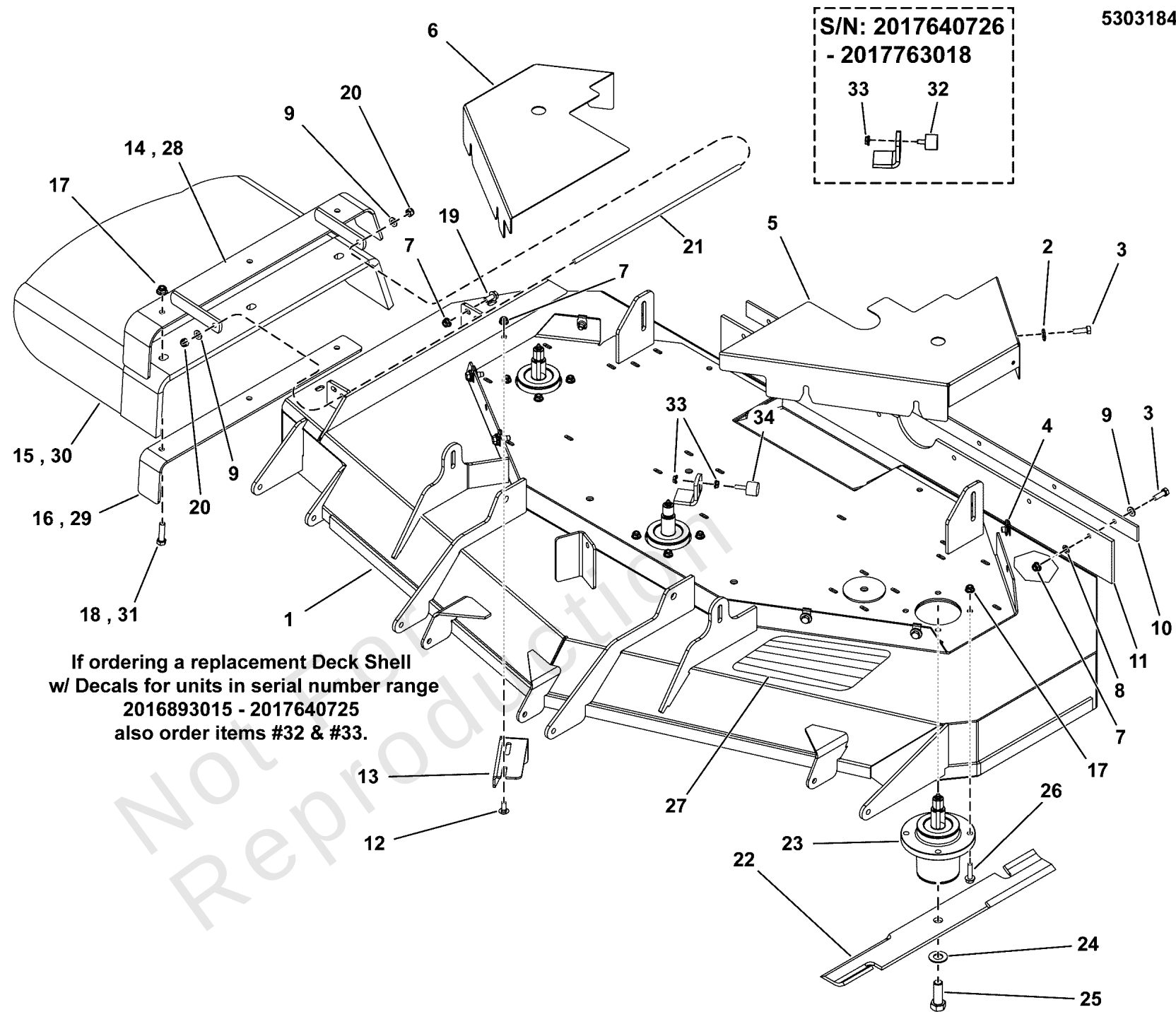
61" Mower Deck - Housing, Covers, Spindles & Blades

REF NO	PART NO	QTY	DESCRIPTION
1	5600654	1	DECK SHELL W/ DECALS, 61, IS700Z -(5410152B)(S/N: 2016893014 & Below)
1	5600797	1	DECK SHELL W/DECALS, 700-61 (5422054B) -(5413074B)(S/N: 2016893015 & Above)
2	5025155	6	WASHER, 5/16" SAE
3	5025011X8	6	BOLT, 5/16-18 X 1" GRD5 YZ -Qty: 12 - S/N: 2017612049 & Below)
4	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
5	5410255B	1	PLATE, GUARD, 61, LH, IS700 - RED -(S/N: 2016893014 & Below)
5	5413073B	1	GUARD 61" - LH - RED -(S/N: 2016893015 & Above)
6	5410254B	1	PLATE, GUARD, 61, RH, IS700 - RED -(S/N: 2016893014 & Below)
6	5413243B	1	PLATE, GUARD, 61, RH - RED -(S/N: 2016893015 & Above)
7	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE NUT -Qty: 21 - S/N: 2017612049 & Below)
8	5025498	6	5/16" PUSH-ON NUT RETAINER, STL, CZ -(S/N: 2017612049 & Below)
9	5025155	2	WASHER, 5/16" SAE -Qty: 8 - S/N: 2017612049 & Below)
10	5405322A	1	PLATE, SUPPORT - BLK -(S/N: 2017612049 & Below)
11	5102036	1	FLAP, STRIPER, 61 DECK -(S/N: 2017612049 & Below)
12	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
13	5401344A	1	PLATE, DEFLECTOR - BLK
14	5404716A	1	WELD, FRAME CHUTE, 61 - BLK -(S/N: 2017094785 & Below)
15	5404834	1	CHUTE, DISCHARGE, BEND RUBBER (SV) -(S/N: 2017094785 & Below)
16	5408018A	1	SUPPORT, DISCHARGE CHUTE, 61/72 - BLK -(S/N: 2017094785 & Below)
17	5025394	15	NUT, 3/8 - 16 HEX NYLOCK FLANGE
18	5025013X12	3	BOLT, 3/8-16 X 1-1/2" GD5 CZ -(S/N: 2017094785 & Below)
19	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
20	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
21	5061300	1	ROD, MOUNT, CHUTE, 61, CZ
22	5101755S	3	BLADE SET, 61 DECK (3) -(SV)(Set of 3 blades)
23	5061095	3	SPINDLE, ASSM, ALUMINUM - 5.25 -(Nut and Washer Sold Separately)
24	5025477	3	WASHER, BLADE BOLT, 9/16" F436, CZ
25	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
26	5025390X10	12	BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ
27	5101004	1	SAFETY WALK, 4.00 X 7.50
28	84008171	1	MOUNT -(S/N: 2017094786 & Above)
29	5413385A	1	SUPPORT, DISCHARGE CHUTE - BLK -(S/N: 2017094786 & Above)
30	84011105	1	CHUTE, Discharge -(S/N: 2017094786 & Above)
31	5025146X12	3	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
32	5022673	1	BUMPER, RUBBER, 1/4-20 -(S/N: 2017640726 - 2017763018)
33	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE -(Qty: 1 - S/N: 2017640726 - 2017763018)

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

Note: Unless noted otherwise, use the standard torque specifications

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

REF NO	PART NO	QTY	DESCRIPTION
34	5105237	1	BUMPER, RUBBER, 1/4-20 X 7/8" STUD -(S/N: 2017763019 & Above)

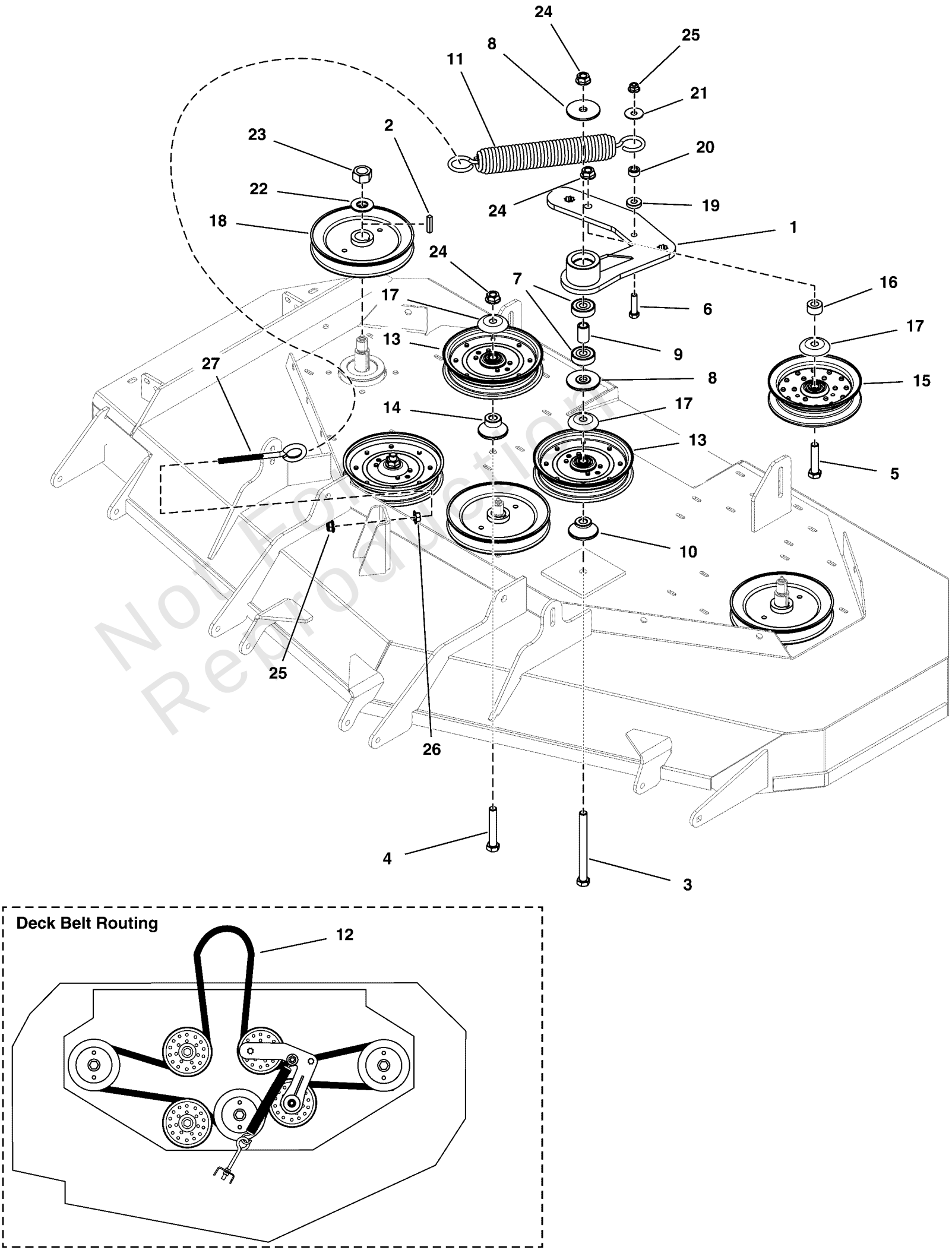
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61" Mower Deck - Pulleys, Belt, & Idler Arm S/N: 2016893015 to 2017612394

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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61" Mower Deck - Pulleys, Belt, & Idler Arm S/N: 2016893015 to 2017612394

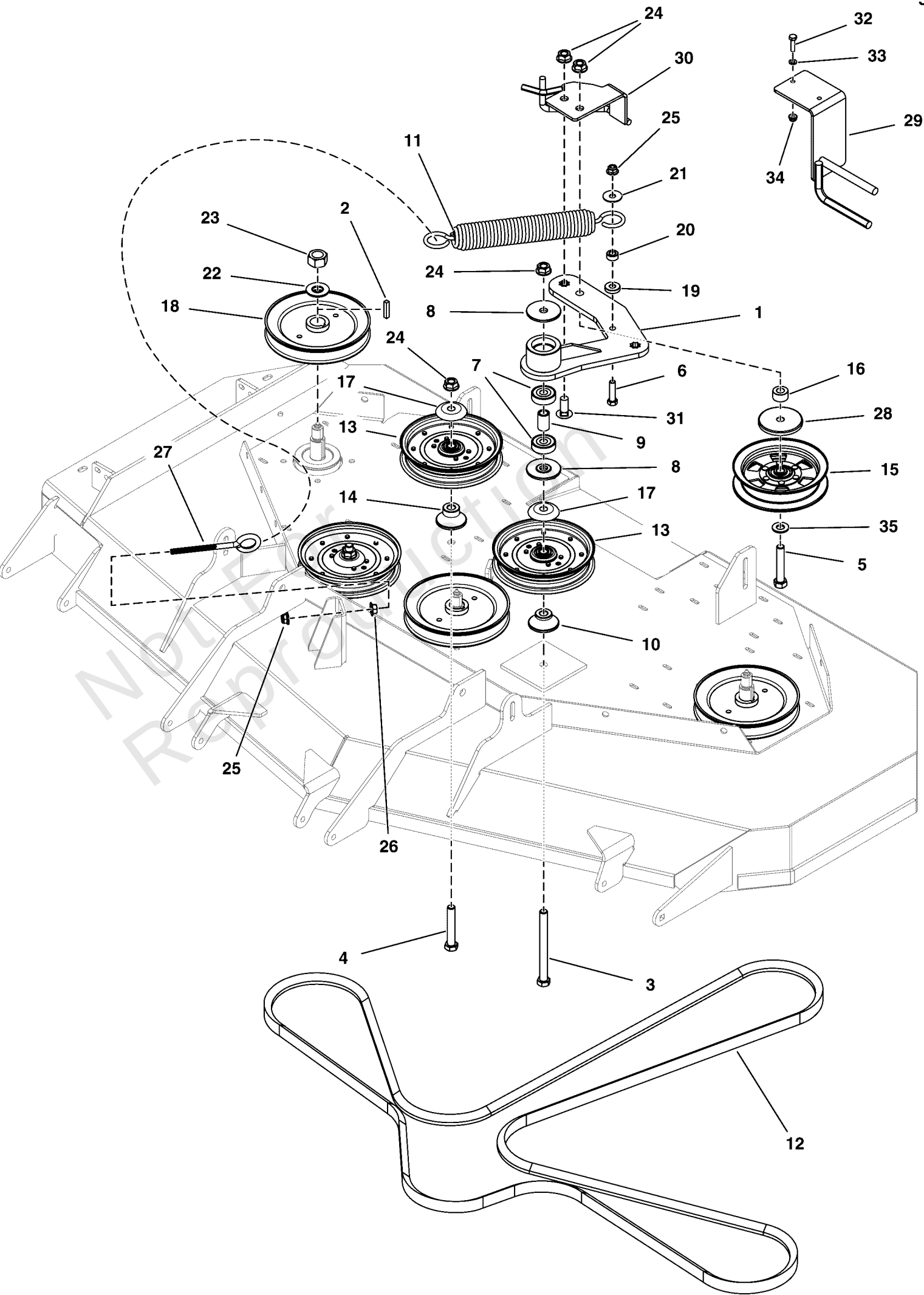
REF NO	PART NO	QTY	DESCRIPTION
1	5412572A	1	WELD, IDLER ARM - BLK
2	5050407X10	3	KEY, 1/4 SQ X 1-1/4
3	5025017X44	1	BOLT, 1/2-13 X 5-1/2 GD5 CZ
4	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
5	5025017X20	1	BOLT, 1/2-13 X 2-1/2" GD5 CZ
6	5025013X12	1	BOLT, 3/8-16 X 1-1/2" GD5 CZ
7	5104383	2	BEARING, 6203-1/2", SEALED
8	5104379	2	SPACER, IDLER ARM, 1/2 X 2.25
9	5104456	1	SPACER, .51 X .75 X 1.22, PM CZ
10	5104342	1	IDLER MOUNT, .88 HIGH
11	5104166	1	SPRING, EXT, 1.5ODX12.25X.234WIRE BLK
12	5103871	1	BELT, 5V, 175.90"EL, LG ARAMID WRPD, RC
13	-----	3	Replace with: Pulley #5104717 & Debris Shield #5105145
14	5103430	2	IDLER MOUNT
15	-----	1	USE 5104716 PULLEY + 5105145 SHIELD
16	5101162	1	SPACER, .52 X 1.00 X .56, CZ
17	5101103	4	SHIELD, PULLEY BEARING, CZ
18	5100700	3	PULLEY, 6.93 EOD X 25MM, SPLIT
19	5044960	1	SPACER, .39 X 1.00 X .25
20	5044933	1	SPACER, .39 X .75 X .38
21	5025165	1	WASHER-3/8 FENDER
22	5025406	3	WASHER, 3/4 BELLEVILLE
23	5025405	3	NUT, 3/4-16 HEX
24	5025396	5	NUT, Hex Flange, Nylock, 1/2-13
25	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
26	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
27	5021812	1	EYE BOLT, 3/8-16 X 6, 3THRD, 1EYE, CZ

61" Mower Deck - Pulleys, Belt, & Idler Arm S/N: 2017612395 to 2018143578

Note: Unless noted otherwise, use the standard torque specifications

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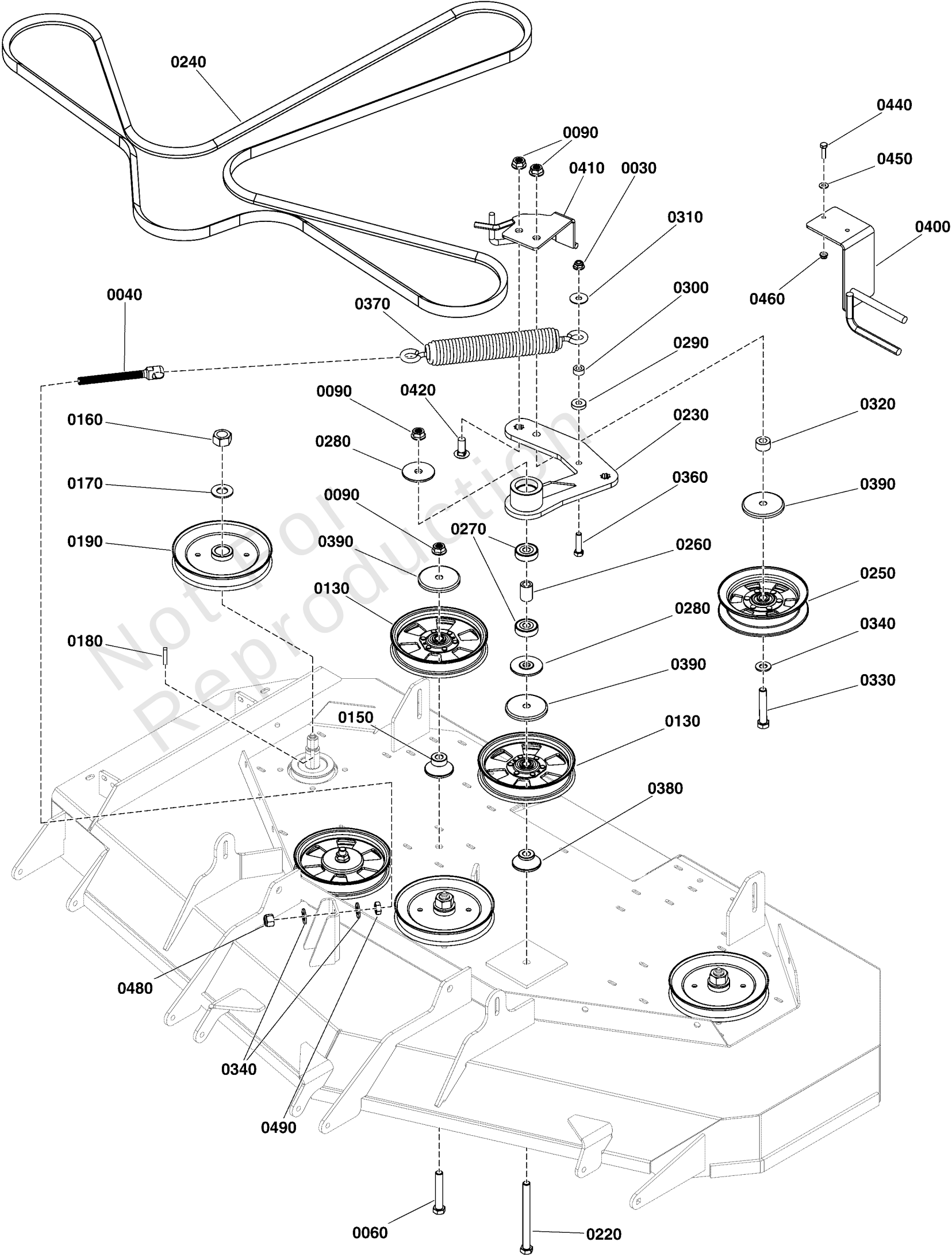
61" Mower Deck - Pulleys, Belt, & Idler Arm S/N: 2017612395 to 2018143578

REF NO	PART NO	QTY	DESCRIPTION
1	5415907AYP	1	IDLER, Arm
2	5050407X10	3	KEY, 1/4" SQ. X 1-1/4
3	5025017X44	1	BOLT, 1/2-13 X 5-1/2" GD5 YZ
4	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
5	5025017X20	1	BOLT, 1/2-13 X 2-1/2" GD5 CZ
6	5025013X12	1	BOLT, 3/8-16 X 1-1/2" GD5 CZ
7	5104383	2	BEARING, 6203-1/2", SEALED
8	5104379	2	SPACER, IDLER ARM, 1/2 X 2.25
9	5104456	1	SPACER, .51 X .84 X 1.22, PM, CZ
10	5104342	1	IDLER MOUNT, .88 HIGH
11	5104166	1	SPRING, EXT, 1.5ODX12.25X.234WIRE BLK
12	5103871	1	BELT, 5V, 175.90EL, LG ARAMID, WRPD, RC
13	-----	3	Replace with: Pulley #5104717 & Debris Shield #5105145
14	5103430	2	IDLER MOUNT
15	5104716	1	PULLEY,IDLER,BACKSIDE,NOSEAM 6.25ODX.5ID
16	5101162	1	SPACER, .52 X 1.00 X .56, PM, CZ
17	5101103	3	SHIELD, PULLEY BEARING, CZ
18	5100700	3	PULLEY, 6.93 EOD X 25MM, SPLIT
19	5044960	1	SPACER, .39 X 1.00 X .25, PM, CZ
20	5044933	1	SPACER, .39 X .75 X .38, PM, CZ
21	5025165	1	WASHER, 3/8" Fender
22	5025406	3	WASHER, 3/4 BELLEVILLE CL/ZC
23	5025405	3	NUT, 3/4-16 Hex
24	5025396	6	NUT, Hex Flange, Nylock, 1/2-13
25	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
26	5025128	1	NUT, 3/8-16 Hex Large Serrated Flange
27	5021812	1	EYE BOLT, 3/8-16 X 6, 3THRD, 1EYE, CZ
28	5105145	1	SHIELD, BEARING, 1/2 ID X 2-7/8 OD, CZ
29	5415938A	1	WELD, CLUTCH BELT GUIDE - BLK
30	5415953A	1	WELD, BELT GUIDE - BLK
31	5025324X10	1	BOLT, CARRIAGE 1/2-13 X 1-1/4 GD.5
32	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
33	5025154	2	WASHER, 1/4 SAE
34	5025391	2	NUT, 1/4-20 Hex Nylock Flange
35	5025158	1	WASHER, 1/2 SAE

61" Mower Deck - Pulleys, Belt, & Idler Arm S/N: 2018143579 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



61" Mower Deck - Pulleys, Belt, & Idler Arm S/N: 2018143579 & Above

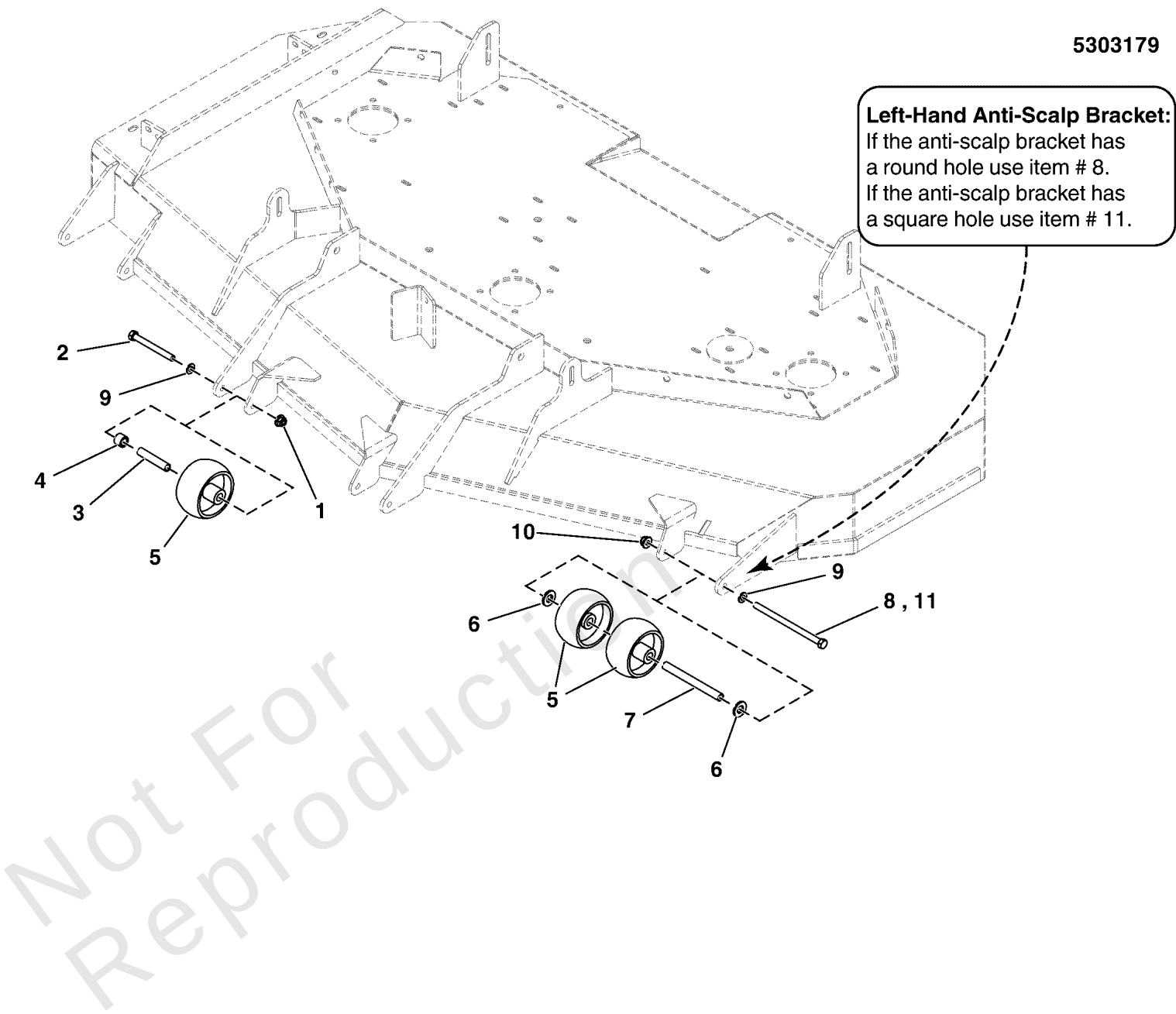
REF NO	PART NO	QTY	DESCRIPTION
0030	5025394	1	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0040	5105849	1	SPRING PULLER, 1/2-20, 6.00
0060	5025017X24	2	BOLT, 1/2-13 X 3" GD5 CZ
0090	5025396	5	NUT, Hex Flange, Nylock, 1/2-13
0130	5104717	3	PULLEY, FLT IDLR, 6.0 X 1.0 X .50, CZ
0150	5103430	2	IDLER MOUNT
0160	5025405	3	NUT, 3/4-16 Hex
0170	5025406	3	WASHER, 3/4 BELLEVILLE CL/ZC
0180	5050407X10	3	KEY, 1/4" SQ. X 1-1/4
0190	5100700	3	PULLEY, 6.93 EOD X 25MM, SPLIT
0220	5025017X44	1	BOLT, 1/2-13 X 5-1/2" GD5 YZ
0230	5415907AYP	1	IDLER, Arm
0240	5103871	1	BELT, 5V, 175.90EL, LG ARAMID, WRPD, RC
0250	5104716	1	PULLEY,IDLER,BACKSIDE,NOSEAM 6.25ODX.5ID
0260	5104456	1	SPACER, .51 X .84 X 1.22, PM, CZ
0270	5104383	2	BEARING, 6203-1/2", SEALED
0280	5104379	2	SPACER, IDLER ARM, 1/2 X 2.25
0290	5044960	1	SPACER, .39 X 1.00 X .25, PM, CZ
0300	5044933	1	SPACER, .39 X .75 X .38, PM, CZ
0310	5025165	1	WASHER, 3/8" Fender
0320	5101162	1	SPACER, .52 X 1.00 X .56, PM, CZ
0330	5025017X22	1	BOLT, 1/2-13 X 2-3/4 GD5 CZ
0340	5025158	3	WASHER, 1/2 SAE
0360	5025013X12	1	BOLT, 3/8-16 X 1-1/2" GD5 CZ
0370	5104166	1	SPRING, EXT, 1.5ODX12.25X.234WIRE BLK
0380	5104342	1	IDLER MOUNT, .88 HIGH
0390	5105145	4	SHIELD, BEARING, 1/2 ID X 2-7/8 OD, CZ
0400	5415938A	1	WELD, CLUTCH BELT GUIDE - BLK
0410	5415953A	1	WELD, BELT GUIDE - BLK
0420	5025324X10	1	BOLT, CARRIAGE 1/2-13 X 1-1/4 GD.5
0440	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
0450	5025154	2	WASHER, 1/4 SAE
0460	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0480	5025098	1	NUT, Hex, Nylon Lock, 1/2-20
0490	5025089	1	NUT, 1/2-20 Hex Jam

61" Mower Deck - Rollers

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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61" Mower Deck - Rollers

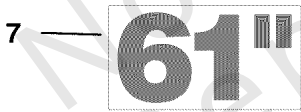
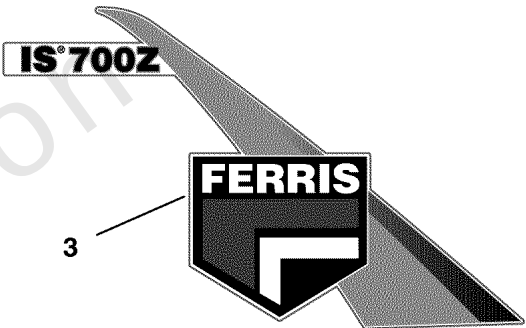
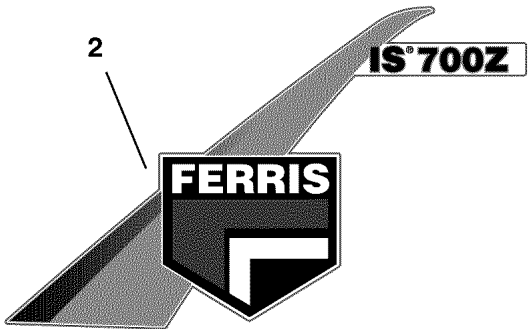
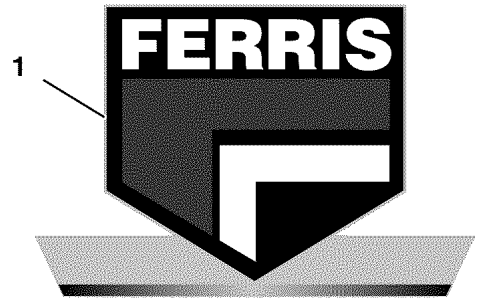
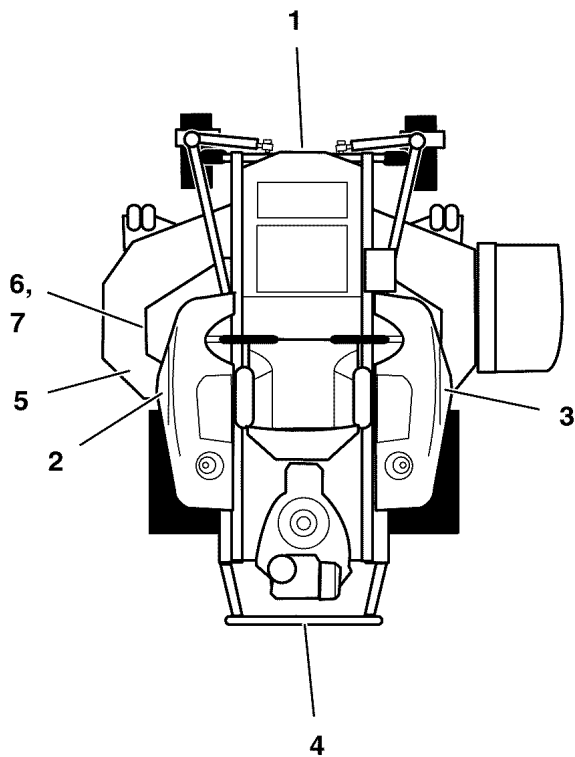
REF NO	PART NO	QTY	DESCRIPTION
1	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
2	5025013X28	2	BOLT, 3/8-16 X 3-1/2" GD5 CZ
3	5104675	2	SPACER, .38 X .50 X 2.50, CZ
4	5047027	2	SPACER, .51 X .75 X .56, PM, CZ
5	1714760	6	WHEEL- 2.00 WIDE 3.88 DIA 0.531ID POLY
6	5025440	4	WASHER, 1/2" GD9 YZ
7	5046586	2	SPACER, .38 X .50 X 5.06, CZ
8	5025013X48	2	BOLT, 3/8-16 X 6" GD5 CZ -(For Anti-Scalp brackets with round holes.)
9	5025156	4	WASHER, 3/8 SAE
10	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
11	5025146X48	1	BOLT, CARRIAGE, 3/8-16 X 6, GD5, CZ -(For Anti-Scalp brackets with square holes.)

Decal Group - Brand & Model S/N: 2017243270 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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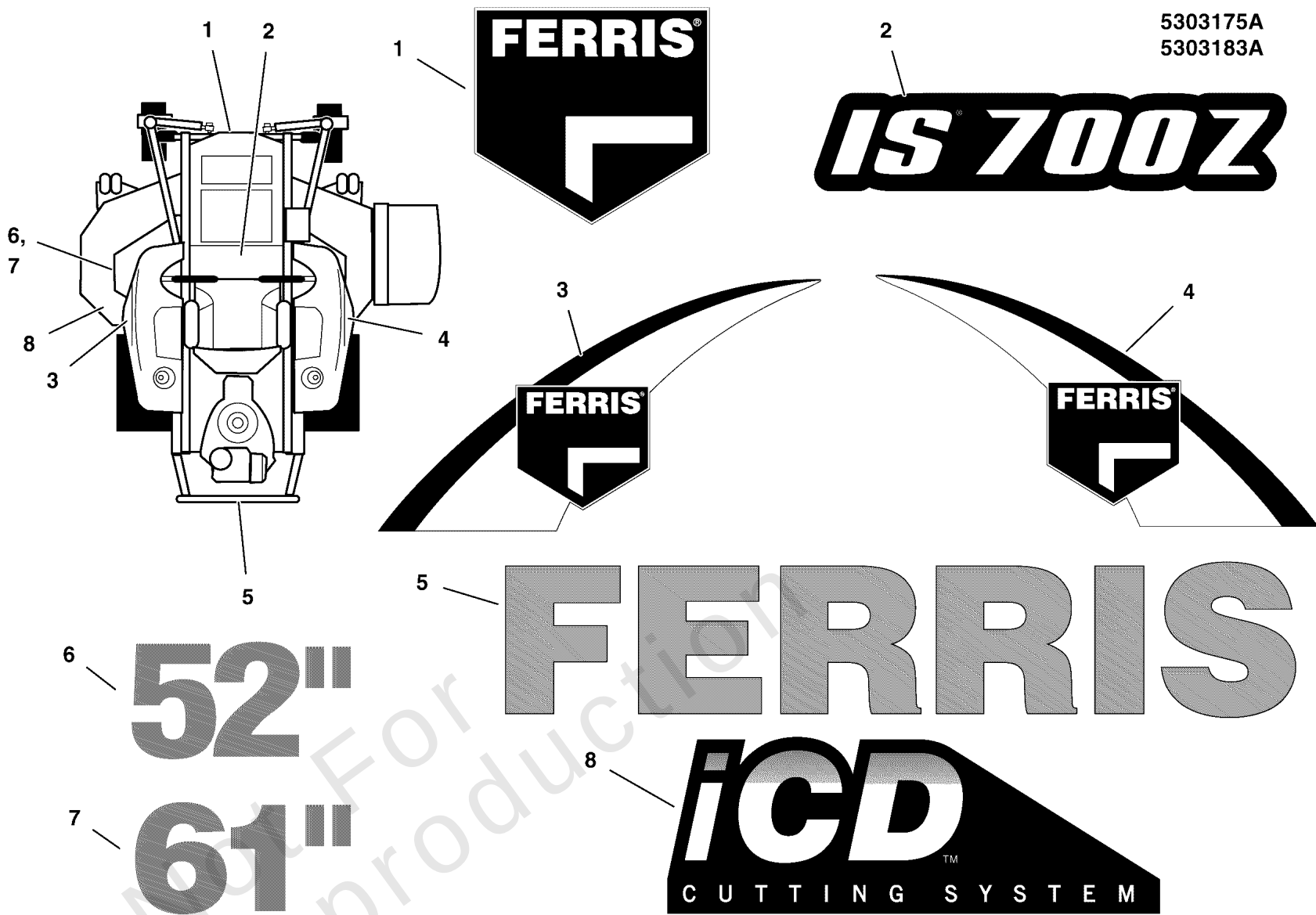


Decal Group - Brand & Model S/N: 2017243270 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	5100344	1	DECAL, FERRIS, FRONT, 8.78 X 5.81
2	5103782	1	DECAL, BADGE, LH IS700
3	5103783	1	DECAL, BADGE, RH IS700
4	5103799	1	DECAL, FERRIS, 2.23" X 11.39"
5	5102210	1	DECAL, iCD CUTTING SYSTEM
6	5022812	1	DECAL, 52 -(52" Models Only)
7	5022813	1	DECAL, 61 -(61" Models Only)

Decal Group - Brand & Model S/N: 2017243271 & Above

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901388



Decal Group - Brand & Model S/N: 2017243271 & Above

REF NO	PART NO	QTY	DESCRIPTION
1	5104755FS	1	DECAL, BRAND
2	5104761FS	1	DECAL, MODEL
3	5109091FS	1	DECAL, MODEL, LEFT HAND -(Refer to Note: *)
4	5109092FS	1	DECAL, MODEL, RIGHT HAND -(Refer to Note: *)
5	5103799	1	DECAL, FERRIS, 2.23" X 11.39"
6	5022812	1	DECAL, 52 -(Models with 52" Mower Decks Only)
7	5022813	1	DECAL, 61 -(Models with 61" Mower Decks Only)
8	5102210	1	DECAL, iCD CUTTING SYSTEM

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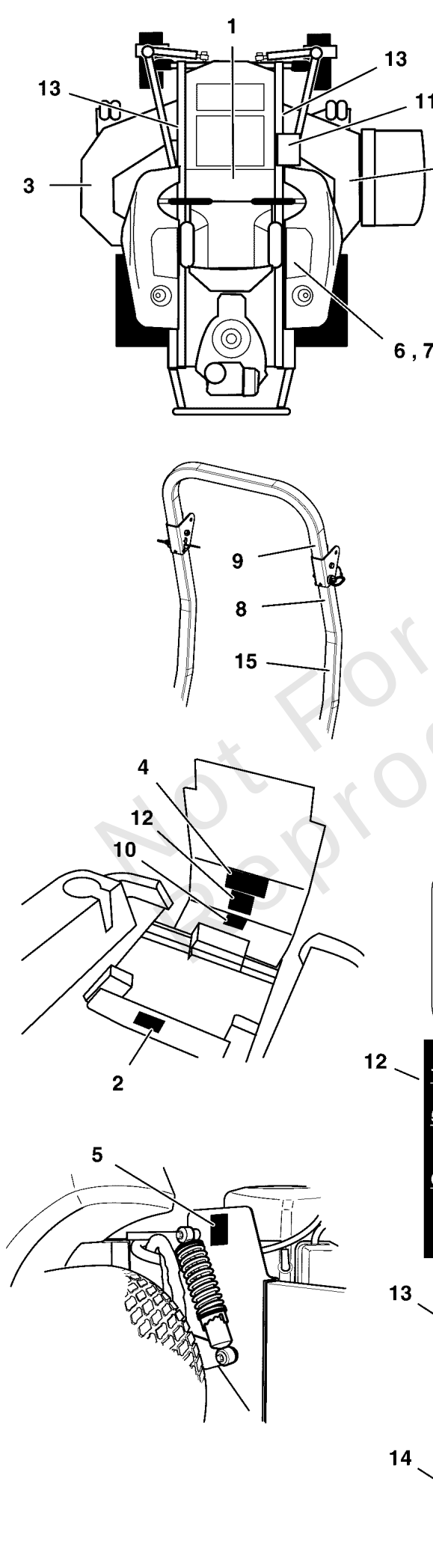
Footnotes:

Note: *Replacement Tank Badge Decals are visually different it is recommended that you replace both at the same time.

Decal Group - Safety & Operation USA Models

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



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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 blade.
- Be sure blades and engine are stopped before placing hands or feet near blades.
- When leaving machine, shut off, remove key and set parking brake.

Fire hazard

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

DANGER

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.

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

- Do not operate on slope over 15 degrees.
- Avoid sudden turns or rapid speed changes.
- Reduce speed and use extreme caution on slopes.
- Avoid turning down slopes; if possible turn up slopes.
- If machine stops forward motion on a slope, stop the blades and drive slowly off the slope.

Wheels dropping over edges may result in serious injury, death or drowning.

- Do NOT operate down slopes towards or near water, retaining walls or drop-offs.
- Give yourself a minimum of two mower widths of clearance around these hazards.

Wet or soft slopes can cause sliding and loss of control.

- Do NOT operate on slopes when grass is wet.
- Do NOT operate on slopes when soil is soft (such as after heavy rains).

WARNING

Amputation and Pinch Point Hazard

To avoid injury from rotating parts, stay clear of parts and keep all shields and guards in place.

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.

WARNING

Avoid serious injury or death from rollover.

Do not operate without the rollbar installed and operational.

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.

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.

HYDRAULIC OIL RESERVOIR

USE SAE 20W-50 MOTOR OIL

Belts & Blades

Tractor		
Pump Drive Belt	5103653	
52" Mower		
Deck Drive Belt	5103748	
Mower Blade	5101756	
61" Mower		
Deck Drive Belt	5103391	
Mower Blade	5101755	

WARNING

PINCH POINT

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

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

PTO Clutch Charge Main

ECU 2A	15A	40A	30A
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(Models with Kawasaki Fuel Injected Engines only.)

Decal Group - Safety & Operation USA Models

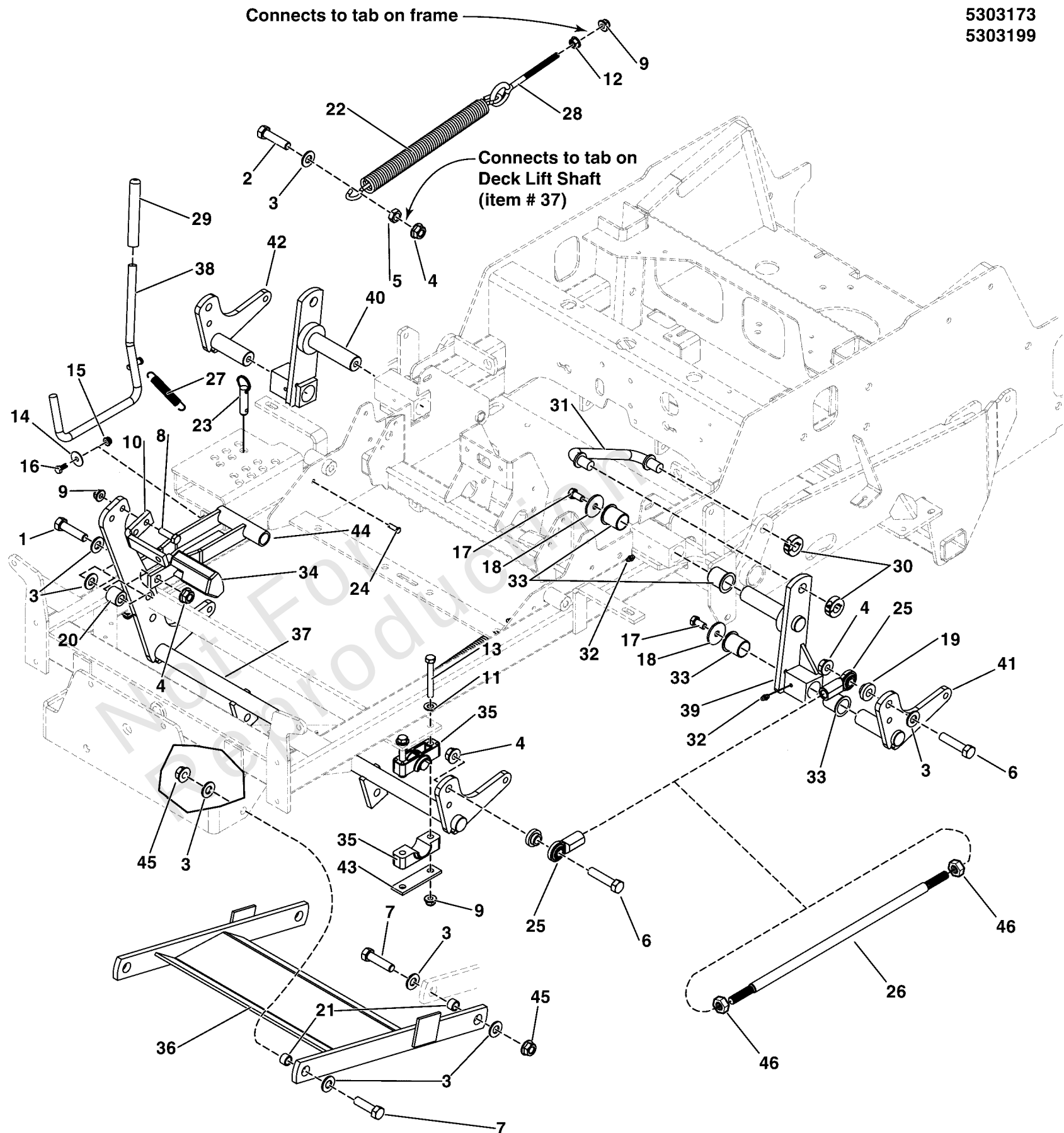
REF NO	PART NO	QTY	DESCRIPTION
1	5103595	1	DECAL, MAIN SAFETY -(S/N: 4001737855 & BELOW)
1	84008252	1	DECAL, MAIN SAFETY -(S/N: 4001737856 & ABOVE)
2	5103184	1	DECAL, WARNING, HAND IN BELT, ENG ONLY
3	7101665	2	DECAL, DANGER DO NOT OPERATE W/O DEFLECT
4	5103725	1	DECAL, TRANSAXLE RELEASE, 600/700
5	5100683	2	DECAL, WARNING, ROLL BAR
6	5048970	1	DECAL, IGNITION SWITCH
7	5100280	1	DECAL, THROTTLE CONTROL
8	5104082	1	DECAL, WARNING, FOLDING ROLL BAR -(SV)
9	5100405	1	DECAL, WARNING OVERHANG, ROPS -(SV)
10	5100957	1	DECAL, HYDRAULIC OIL, SAE 20W50
11	5108114	1	DECAL, CUTTING HEIGHT
12	5103756	1	DECAL, BELT & BLADE, IS700Z/ZTS700
13	5061245	2	DECAL, PINCH POINT -(Qty: 1 for models with 52" mower deck)
14	5103619	1	DECAL, MANUAL AVAIL IN SPANISH
15	5104083	1	DECAL, CAUTION, FOLDING ROLL BAR -(SV)
16	5104809	1	DECAL, FUSE LOCATION, KAWI EFI -(Kawi EFI Models Only S/N: 2017612394 & Below)

Deck Lift Group - S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303173
5303199



Deck Lift Group - S/N: 2017954955 & Below

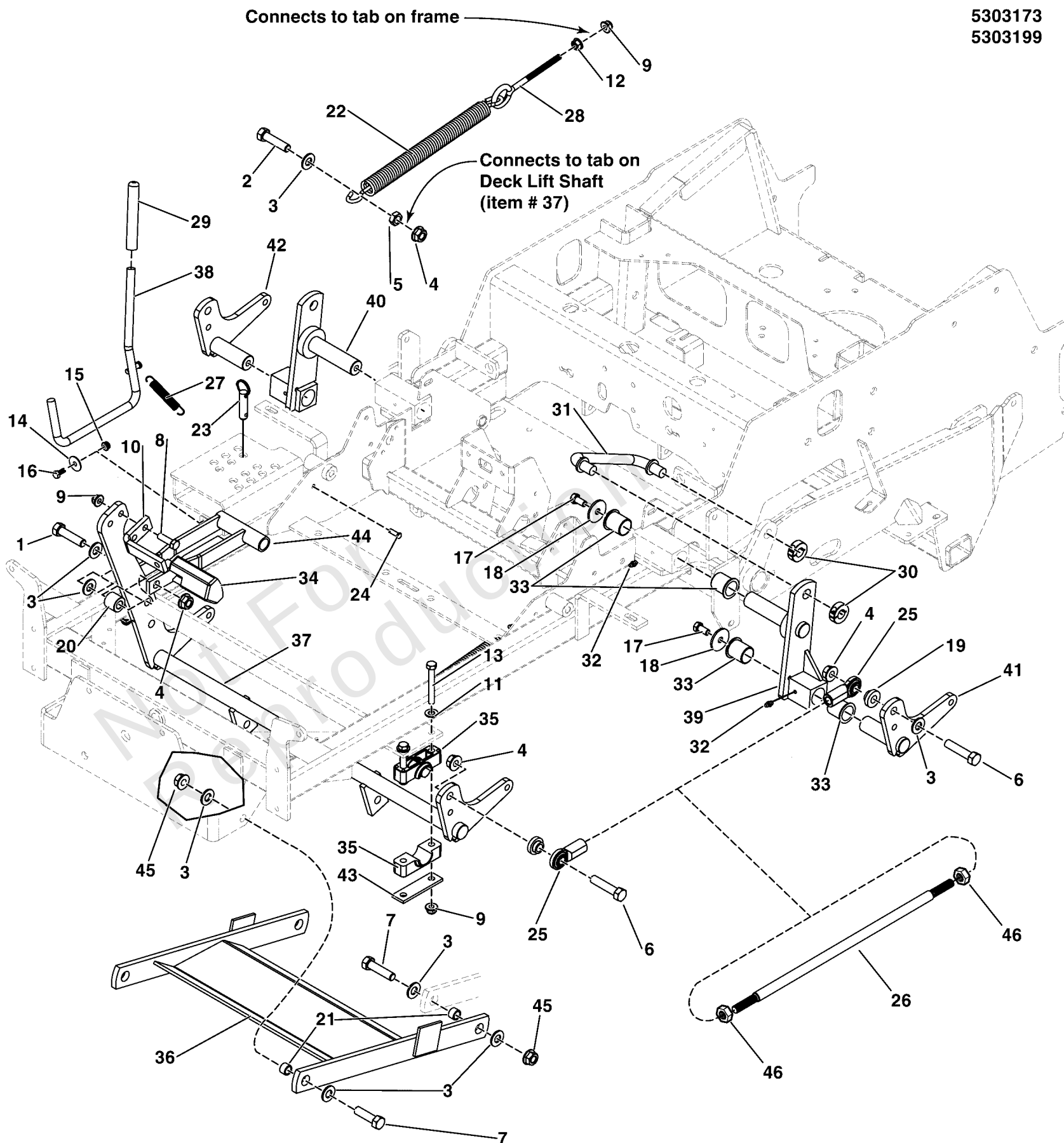
REF NO	PART NO	QTY	DESCRIPTION
1	5025017X22	1	BOLT, 1/2-13 X 2-3/4 GD5 CZ
2	5025017X16	2	BOLT, 1/2-13 X 2" GD5 CZ -Qty: 1 - 52" Models
3	5025158	14	WASHER, 1/2 SAE -Qty: 13 - 52" Models
4	5025396	7	NUT, Hex Flange, Nylock, 1/2-13 -Qty: 6 - 52" Models
5	5025301	2	NUT, 1/2-13 HEX JAM -Qty: 1 - 52" Models
6	703856	4	CAPSCREW, Hex Head, 1/2-13 X 2 1/4, GR5
7	5025018X14	4	BOLT, 1/2-20 X 1-3/4" GD8 CZ
8	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
9	5025394	8	NUT, 3/8-16 HEX NYLOCK FLANGE -Qty: 7 - 52" Models
10	5061569A	1	PEDAL, FOOT - BLK
11	5025156	4	WASHER, 3/8 SAE
12	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE -Qty: 1 - 52" Models
13	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
14	5025288	2	WASHER, 1/4 FENDER
15	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE
16	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
17	5025443	4	BOLT, 3/8-16 X 3/4, PLT W/PATCH
18	5100548	4	WASHER, .390 X 1.50 X .109, YZ
19	5045023	4	SPACER, .52 X 1.00 X .44. CZ
20	5044673	1	SPACER, .52 X 1.00 X .88, CZ
21	5020870	4	INSERT, BEARING
22	5023355	2	SPRING-EXT, 1.00 ODX13.25LGX.177WR, BLK -Qty: 1 - 52" Models
23	5023498	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
24	5025212X4	1	CLEVIS PIN, 1/4 X 1/2, CZ
25	1702779	4	JOINT-BALL .500-20 THD .500ID, CLR ZINC
26	5103758	2	ROD, DECK LIFT, 19.25
27	5010213	1	SPRING-EXT, .740 ODX2.025LGX.072WR, BLK
28	5021812	2	EYE BOLT, 3/8-16 X 6, 3.0 THREAD -(S/N: 2016893014 & Below)(Qty: 1 - 52" Models)
28	5025429	2	EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C -(S/N: 2016893015 & Above)(Qty: 1 - 52" Models)
29	5021880	1	GRIP, FOAM, .475 X 4.35 X .095
30	5020441	4	COLLAR, 5/8 SPLIT
31	5103703	2	ROD, SUSPENSION LINK, IS700
32	5020095	4	GREASE FITTING, 1/4-28 STRAIGHT
33	5023343	8	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
34	5104262	1	PEDAL, Rubber
35	5100634	4	PIVOT BLOCK, PLASTIC
36	5410213A	1	WELD, PULLER BAR, IS700Z - BLK
37	5410219B	1	WELD, DECK LIFT SHAFT, IS700 - RED -(S/N: 2016893014 & Below)
37	5412701B	1	WELD, DECK LIFT SHAFT, IS700 - RED -(S/N: 2016893015 & Above)
38	84010944	1	KIT, Latch w/Grip
39	5401664A	1	WELD, REAR LIFT - LH - BLK
40	5401665A	1	WELD, REAR LIFT - RH - BLK
41	5401671A	1	WELD, DECK LIFT LEVER, LH - BLK

Deck Lift Group - S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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Deck Lift Group - S/N: 2017954955 & Below

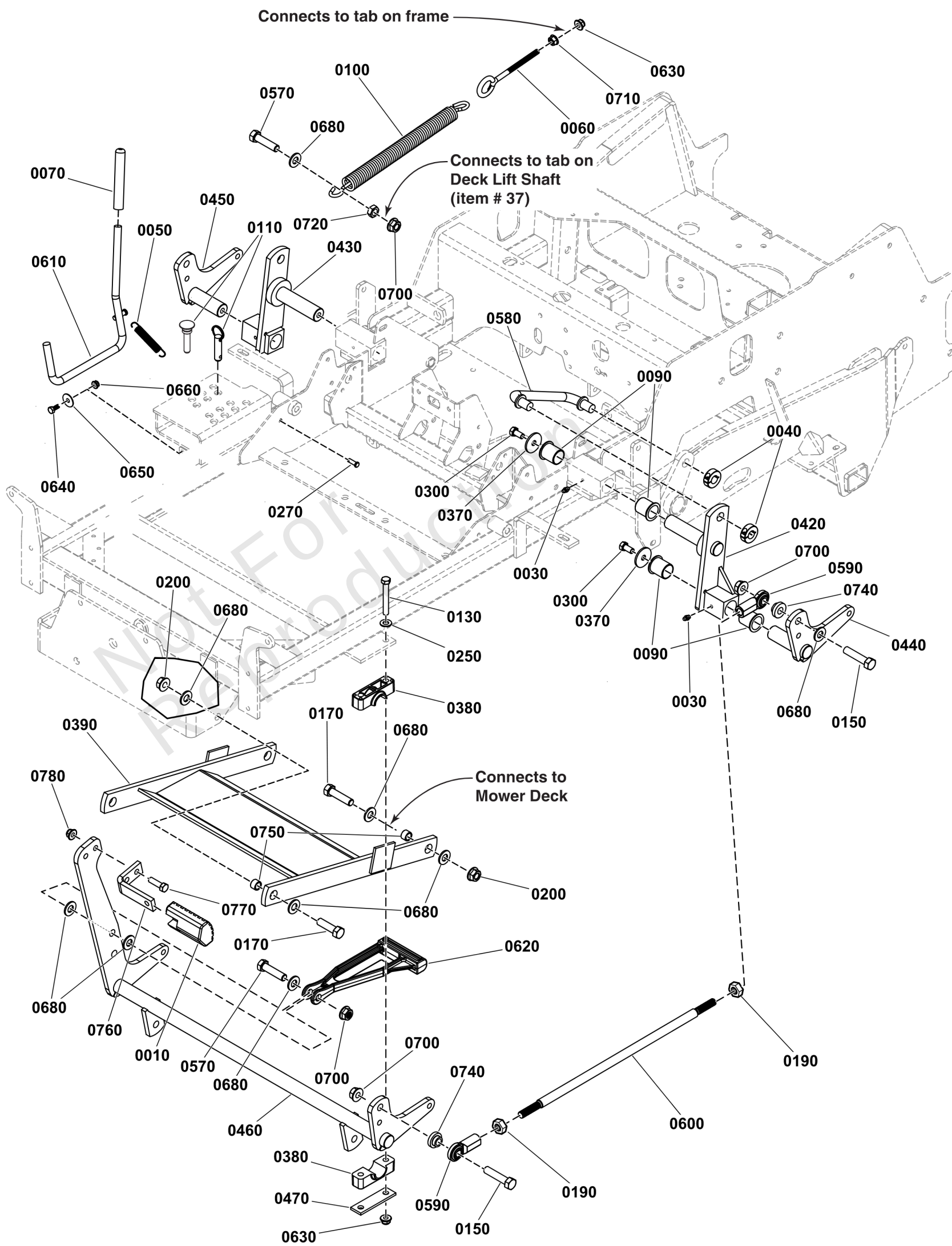
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42	5401672A	1	WELD, DECK LIFT LEVER, RH - BLK
43	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
44	5410315A	1	USE 5104133 - WELD,DECK HEIGHT LNK,IS700
45	5025098	4	NUT, Hex, Nylon Lock, 1/2-20
46	5025089	4	NUT, 1/2-20 HEX JAM

Not For Reproduction

Deck Lift Group - S/N: 2017954956 & Above

Note: Unless noted otherwise, use the standard torque specifications

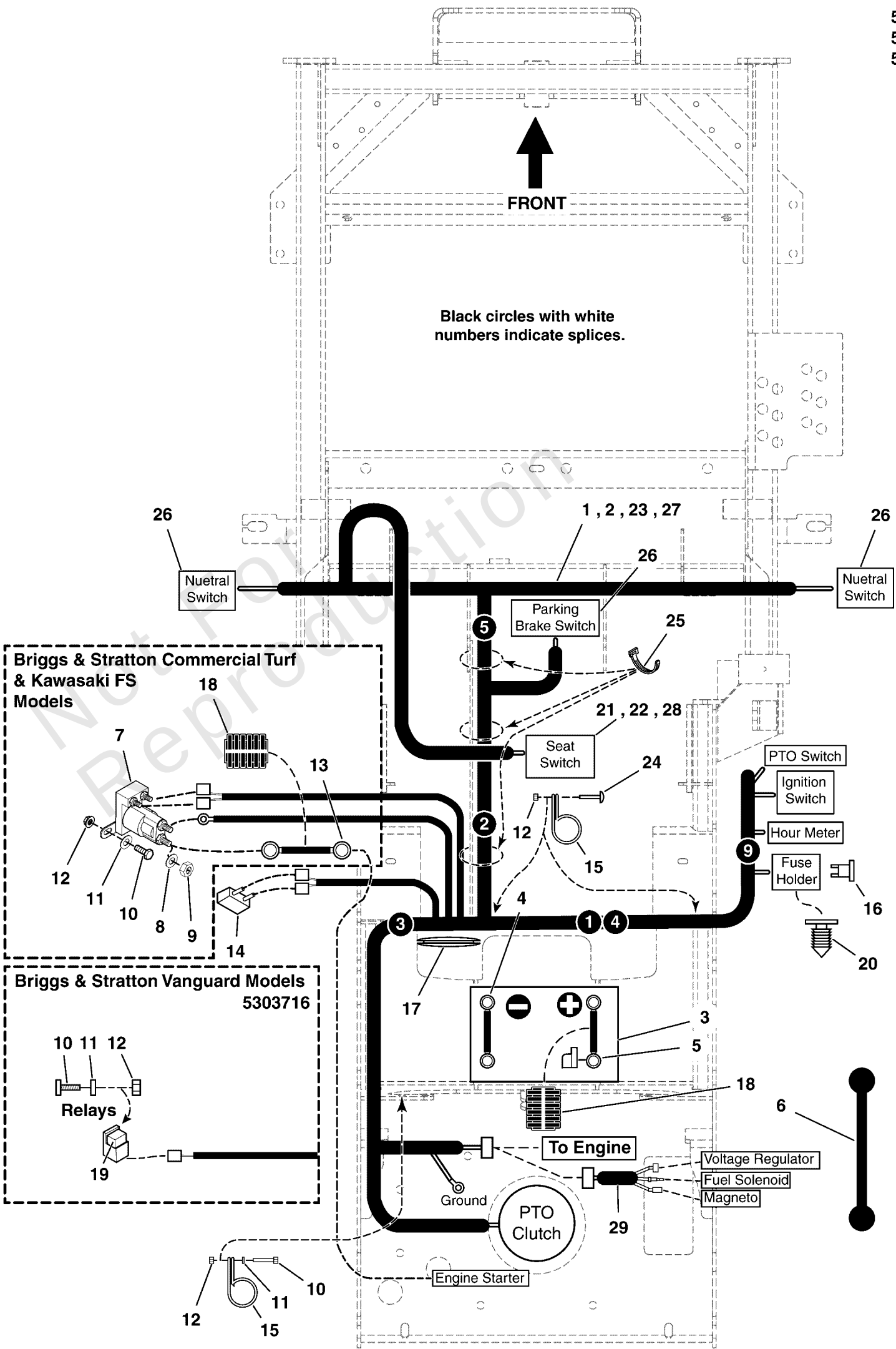
Mfg. No: 5901388



Deck Lift Group - S/N: 2017954956 & Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5104262	1	PEDAL, Rubber
0030	5020095	4	GREASE FITTING, 1/4-28 Straight
0040	5020441	4	COLLAR, 5/8" Split
0050	5010213	1	SPRING-EXT, .740 ODX2.025LGX.072WR, BLK
0060	5025429	2	EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C
0070	5021880	1	GRIP, FOAM, .475 X 4.35 X .095
0090	5023343	8	BUSHING, 1.00 X 1.13 X 1.38, Plastic
0100	5023355	2	SPRING-EXT, 1.00 ODX13.25LGX.177WR, BLK
0110	5023498SM	1	PIN, HITCH, 1/2 X 2.0 -(Pin Style: Regular Deck Lift Pin)
0110	84008180	1	PIN, Magnetic Deck Lift -(Pin Style: Magnetic Deck Lift Pin)
0130	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
0150	703856	4	CAPSCREW, Hex Head, 1/2-13 X 2 1/4, GR5
0170	5025018X14	4	BOLT, 1/2-20 X 1-3/4" GD8 CZ
0190	5025089	4	NUT, 1/2-20 Hex Jam
0200	5025098	4	NUT, Hex, Nylon Lock, 1/2-20
0250	5025156	6	WASHER, 3/8 SAE
0270	5025212X4	1	PIN, CLEVIS, 1/4 X 1/2, PLATED
0300	5025443	4	BOLT, 3/8-16 X 3/4, PLT W/PATCH
0370	5100548	4	WASHER, .390 X 1.50 X .109, YZ
0380	5100634	4	PIVOT BLOCK, PLASTIC
0390	5410213A	1	WELD, PULLER BAR, IS700Z - BLK
0420	5105172	1	ASSM, DECK COMP LINK, LH-CAST
0430	5105173	1	ASSM, DECK COMP LINK, RH-CAST
0440	5401671A	1	WELD, DECK LIFT LEVER, LH - BLK
0450	5401672A	1	WELD, DECK LIFT LEVER, RH - BLK
0460	5412701B	1	WELD, DECK LIFT SHAFT, IS700 - RED
0470	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
0570	5025017X16	3	BOLT, 1/2-13 X 2" GD5 CZ
0580	5103703	2	ROD, SUSPENSION LINK, IS700, CZ
0590	1702779	4	JOINT-BALL .500-20 THD .500ID, CLR ZINC
0600	5103758	2	ROD, DECK LIFT, 19.25, CZ
0610	84010944	1	KIT, Latch w/Grip
0620	5104133	1	LINK, DECK LIFT, CAST IRON
0630	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0640	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
0650	5025288	2	WASHER, 1/4" Fender
0660	5025391	2	NUT, 1/4-20 Hex Nylock Flange
0680	5025158	15	WASHER, 1/2 SAE
0700	5025396	7	NUT, Hex Flange, Nylock, 1/2-13
0710	5025128	2	NUT, 3/8-16 Hex Large Serrated Flange
0720	5025301	2	NUT, Hex, Jam, 1/2-13
0740	5045023	4	SPACER, .52 X 1.00 X .44, CZ
0750	5020870	4	INSERT, Bearing
0760	5061569A	1	PEDAL, FOOT - BLK
0770	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0780	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE

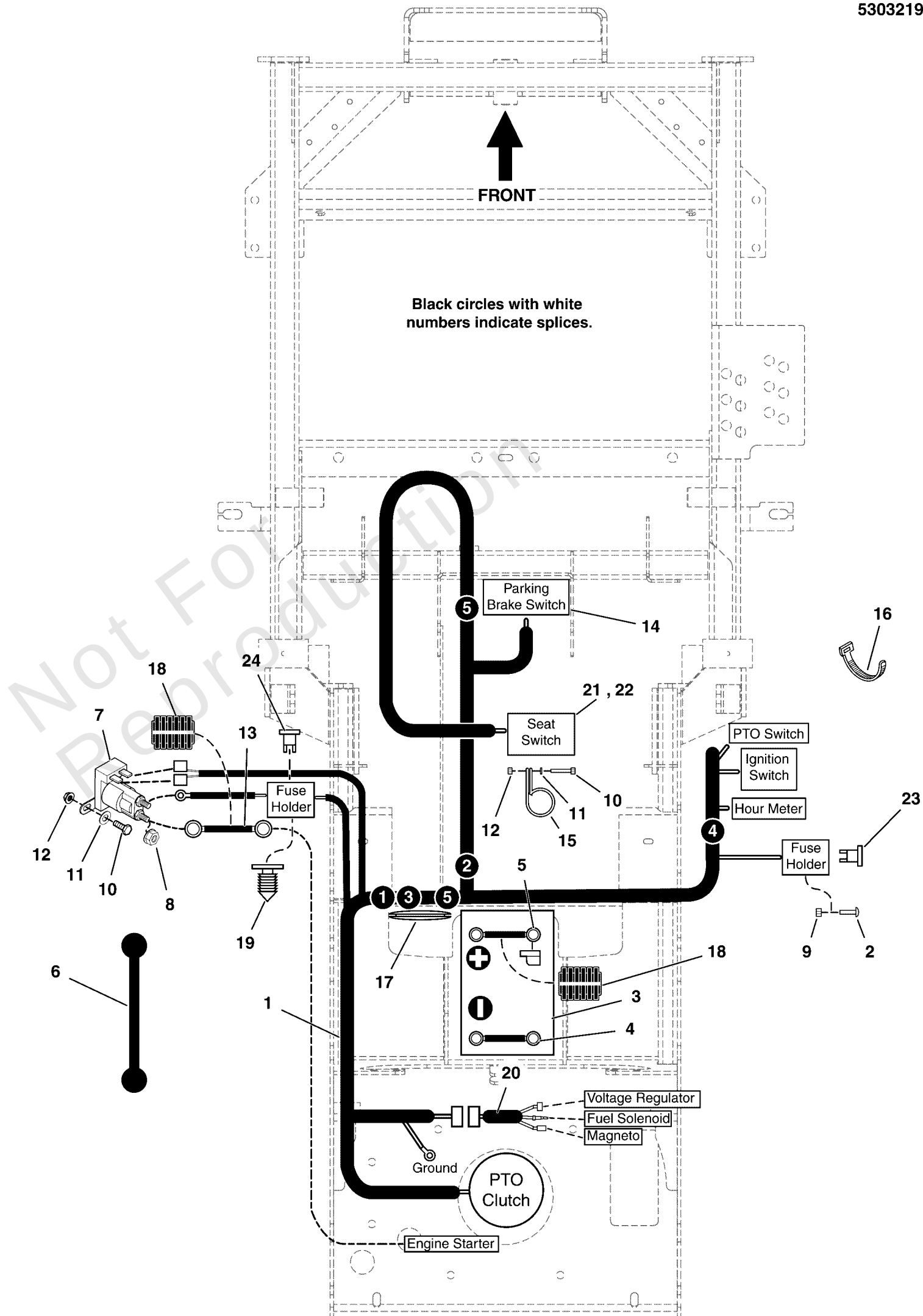
5303170
5303219
5303230



Electrical Group S/N: 2017612394 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	5410289	1	WIRE HARNESS, C TURF, WARNER, IS600/IS700 -(B&S Commercial Turf Engines S/N: All; Kawasaki Engines S/N: 2017301893 & Above)
2	-----	1	USE 5410289 & 5104811 -(Kawasaki Engines S/N: 2017301892 & Below)
3	-----	1	BATTERY, WET (BCIU1, 340 CCA)
4	5047690	1	BATTERY CABLE, NEG, 14, 5/16-13/32
5	5021405	1	BATTERY CABLE, POS, 22, 1/4-5/16
6	1722009	1	STRAP, BATTERY, 14 LONG, Rubber
7	1724815	1	SOLENOID-4 POLE 12 VOLT DC (TROMBETTA)
8	5023217	2	WASHER, Light Lock, 5/16
9	5023216	2	NUT, Hex Jam, 5/16-24
10	5025010X6	5	BOLT, 1/4"-20 X 3/4" GD5 YZ
11	5025154	5	WASHER, 1/4 SAE
12	5025126	6	NUT, 1/4-20 HEX SERR. FLANGE
13	5023488	1	BATTERY CABLE, POS, 22, 1/4-5/16 -(Kawasaki and B&S Commercial Turf Models)
14	1665238	1	BREAKER-CIRCUIT 12VOLT 20AMPS W/TAB
15	5021500	3	CLAMP, VINYL INSULATED, 1.00
16	5101935	1	FUSE, ATO-15 (15 AMP)(SV) -(SV)
17	5102677	1	GROMMET, 1-1/2" ID FOR 1/4" METAL
18	5050927X18	2	WIRE LOOM, 3/8 ID X 18 IN
19	5021766	1	RELAY, 12 VOLT, 40 AMP -(B&S Vanguard Engines Only)
20	5103761	1	FIR TREE MOUNT, PACKARD
21	5100540	1	SWITCH, NC, W/ BOLT-IN BASE -(SV - S/N: 2017202281 & Below)
22	5100541	1	SWITCH, NC, W/ TWIST-IN BASE -(SV - S/N: 2017202281 & Below)
23	5410629	1	WIRE HARNESS, VAN GRD, WARNER, IS600/700 -(B&S 541777 Vanguard Engines Only)
24	5025299X8	2	SCREW, 1/4-20 X 1, ALLEN BH, CZ
25	5021030	3	TIE, SELF-LOCKING, 6"
26	7022886	3	SWITCH, DP NO/NC SNAP-IN
27	5412285	1	WIRE HARNESS, M49 VANGUARD, WARNER, 700 -(B&S 49R977 Vanguard Engines)
28	5104741X6	1	DELTA SWITCH - NORMALLY CLOSED -(SV - S/N: 2017202282 & Above)
29	5104811	1	WIRE HARNESS, JUMPER, KAWI -(Kawasaki Engines S/N: 2017301893 & Above)

5303219A



Electrical Group S/N: 2017612395 & Above

REF NO	PART NO	QTY	DESCRIPTION
1	5416016	1	WIRE HARNESS, MAIN, SM, ZTR -(S/N: 2017954955 & Below)
1	5105536		HARNESS, Wiring, Small ZTR -(S/N: 2017954956 & Above)
2	5025299X6	2	USE 5106757 - SCREW,1/4-20X3/4, ZINC
3	-----	1	BATTERY, WET (BCIU1, 350 CCA)
4	5047690	1	BATTERY CABLE, NEG, 14, 5/16-13/32
5	5021405	1	BATTERY CABLE, POS, 22, 1/4-5/16
6	1722009	1	STRAP, BATTERY, 14 LONG, Rubber
7	1755382	1	SOLENOID, STD-BRACKET, 2-SPADE
8	80003921	2	NUT,1/4-20,KEPS,CONICAL WSHR,ZC/CL
9	5025033	2	NUT, Hex, 5/16-24
10	5025010X6	4	BOLT, 1/4"-20 X 3/4" GD5 YZ
11	5025154	4	WASHER, 1/4 SAE
12	5025391	5	NUT, 1/4-20 Hex Nylock Flange
13	5023488	1	BATTERY CABLE, POS, 22, 1/4-5/16
14	7022886	1	SWITCH, DP NO/NC SNAP-IN
15	5021500	3	CLAMP, VINYL INSULATED, 1.00
16	5021029	9	TIE, SELF-LOCKING, 12" -(Secures wire harness to wire carrier rod).
17	5102677	1	GROMMET, 1-1/2" ID FOR 1/4" METAL -(S/N: 2018023894 & Below)
18	5050927X18	2	WIRE LOOM, 3/8 ID X 18 IN
19	5103761	1	FIR TREE MOUNT, PACKARD
20	5104811	1	WIRE HARNESS, JUMPER, KAWI
21	5100540	1	SWITCH, NC, W/ BOLT-IN BASE -(SV)
22	5100541	1	SWITCH, NC, W/ TWIST-IN BASE -(SV)
23	5101935	1	FUSE, ATO-15 (15 AMP)(SV) -(SV)
24	5021603	1	FUSE, ATO-20 (20 AMP)(SV) -(SV)

Electrical Schematic - Charging Circuit - S/N: 2017612394 & Below

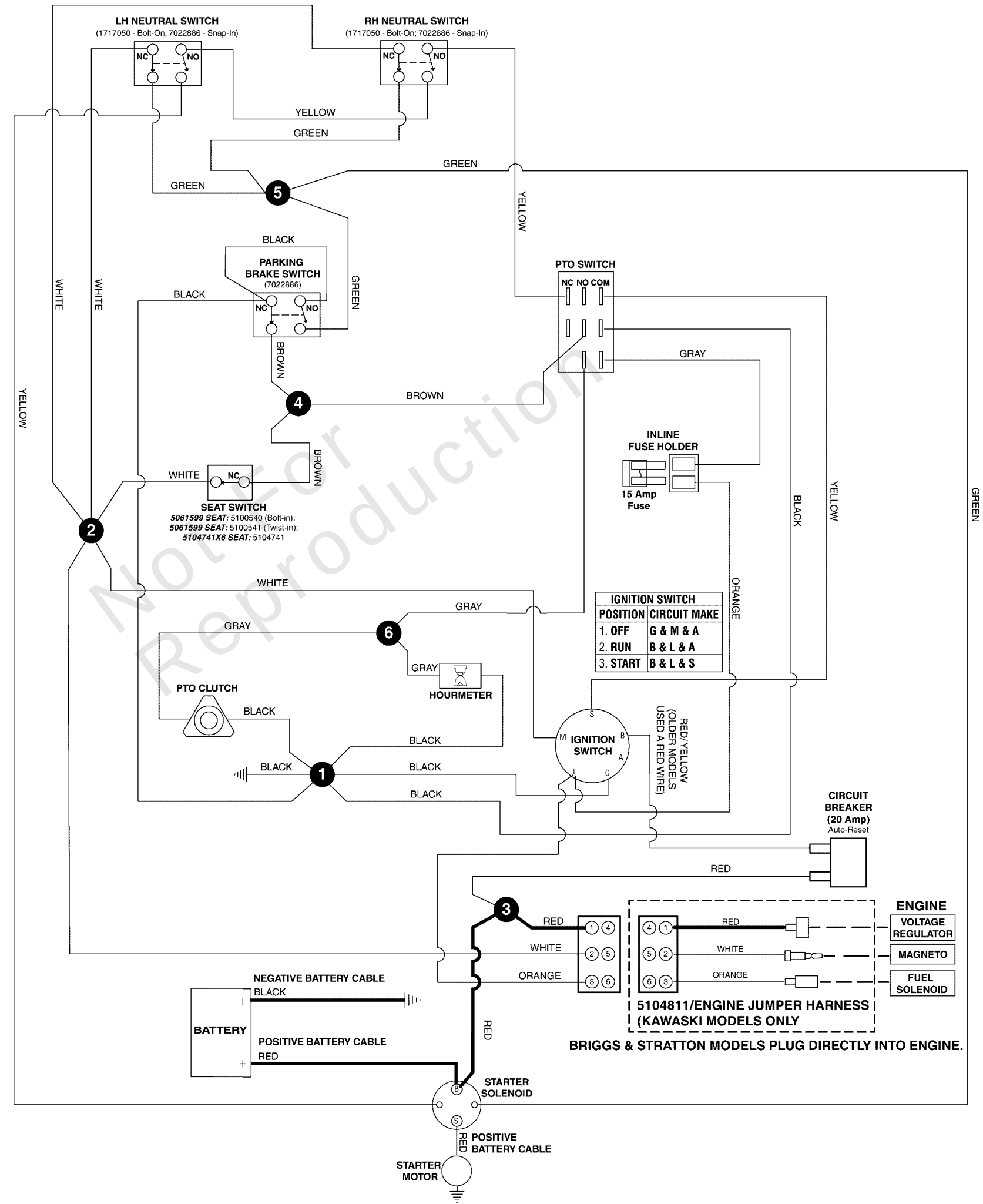
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5410289 / MAIN WIRE HARNESS

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)

IMPORTANT INFORMATION: This wiring diagram schematic is for all models equipped with the following engines: Briggs & Stratton Commerical Turf, Briggs & Stratton Professional Series, and Kawasaki FS, **WITH THE EXCEPTION OF** the Kawasaki FS equipped model 5901222 and 5901223. For 5901222 and 5901223 this schematic reflects the serial number range 2016277577 & above. **ON MODELS WITH KAWASAKI ENGINES IN S/N: 2017301892 & BELOW:** The main wire harness plugged directly into the engine.



Electrical Schematic - Charging Circuit - S/N: 2017612394 & Below

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

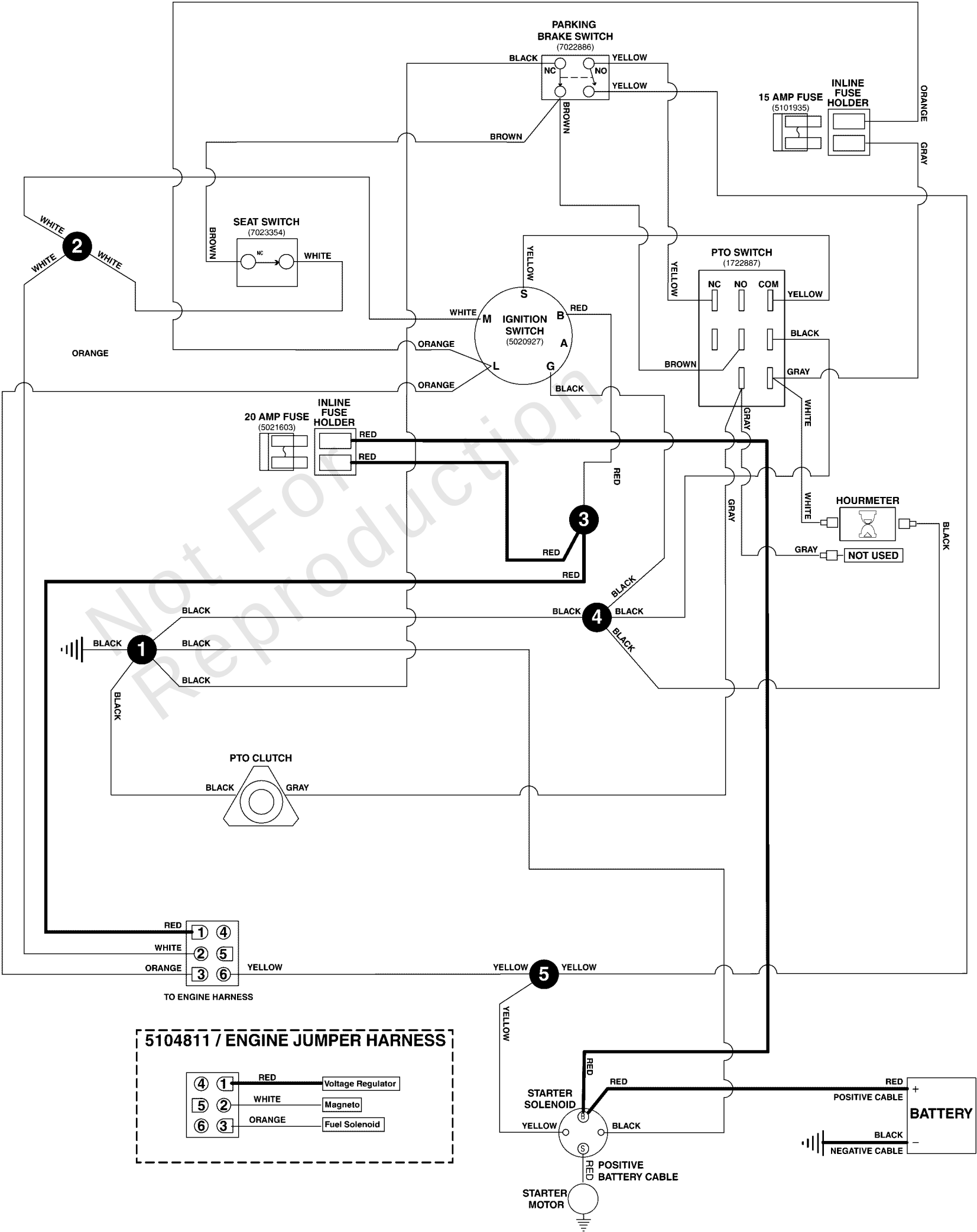
Electrical Schematic - Charging Circuit - S/N: 2017612395 - 2017954955

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5416016 (5415589) MAIN WIRE HARNESS - KAWI FR730V, FS600V, FS691V, FS730V ENGINES 5416016C

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

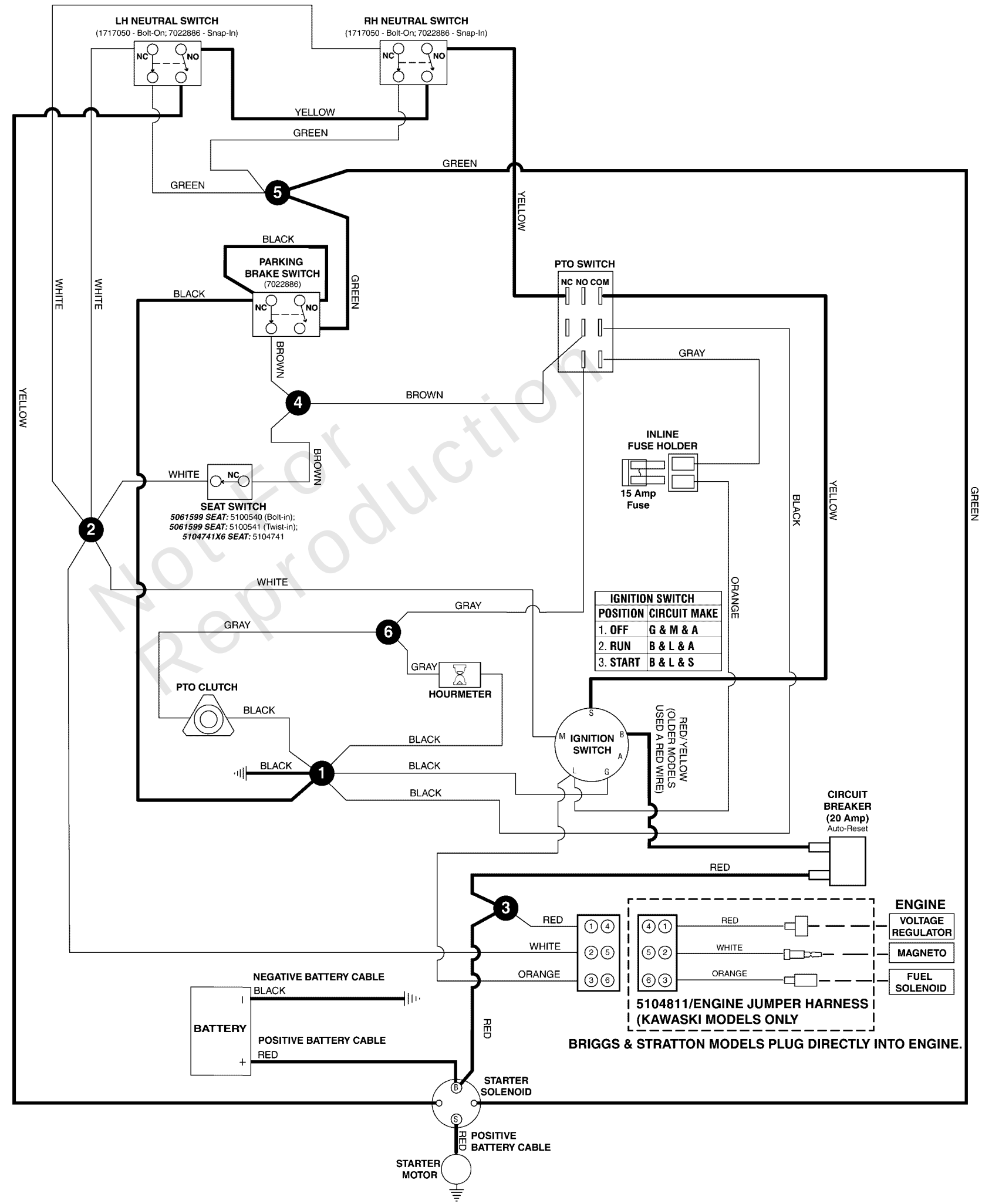
Electrical Schematic - Cranking Circuit - S/N: 2017612394 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5410289 / MAIN WIRE HARNESS

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)
IMPORTANT INFORMATION: This wiring diagram schematic is for all models equipped with the following engines: Briggs & Stratton Commerical Turf, Briggs & Stratton Professional Series, and Kawasaki FS, **WITH THE EXCEPTION OF** the Kawasaki FS equipped model 5901222 and 5901223. For 5901222 and 5901223 this schematic reflects the serial number range 2016277577 & above.
ON MODELS WITH KAWASAKI ENGINES IN S/N: 2017301892 & BELOW: The main wire harness plugged directly into the engine.



Electrical Schematic - Cranking Circuit - S/N: 2017612394 & Below

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

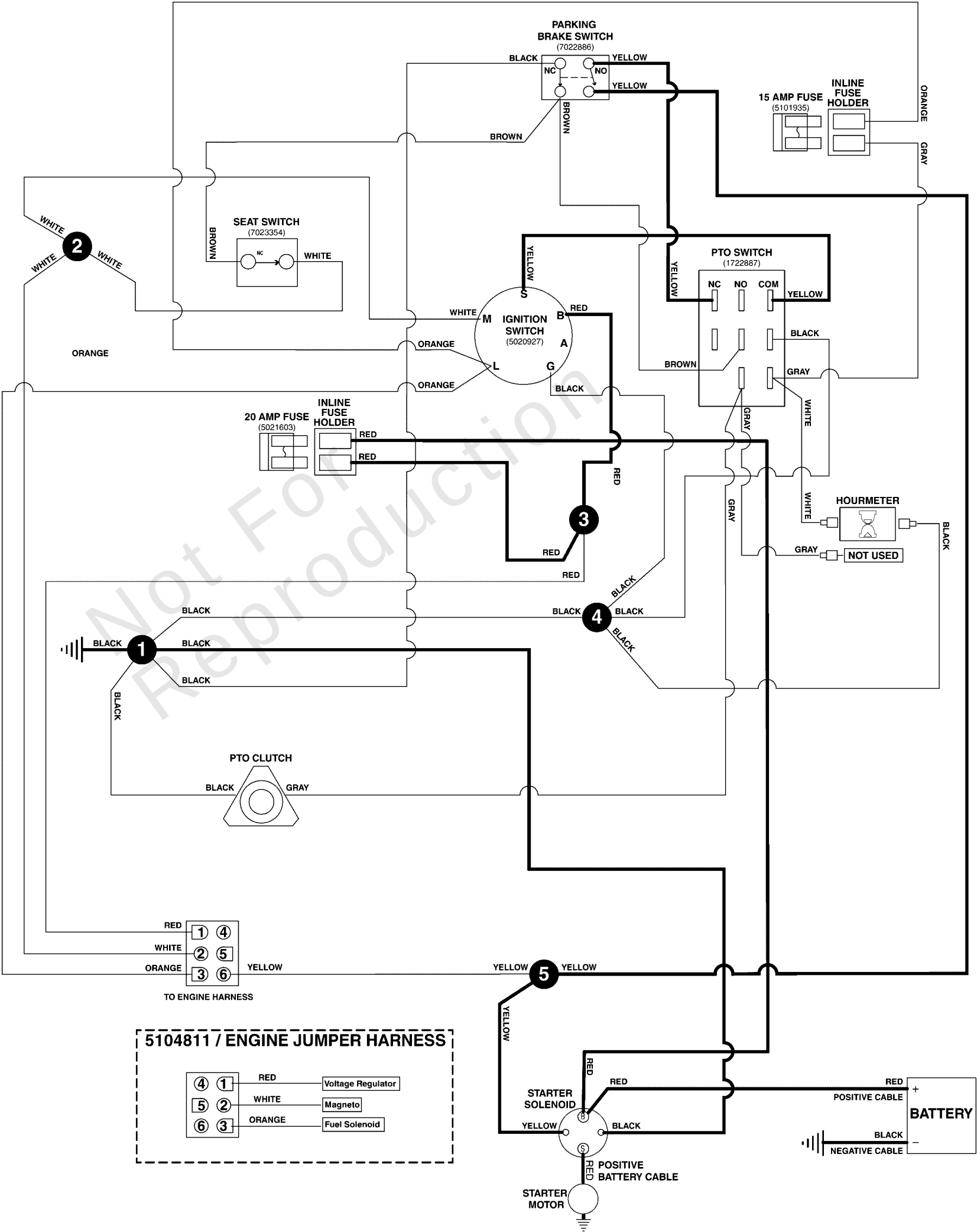
Electrical Schematic - Cranking Circuit - S/N: 2017612395 - 2017954955

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5416016 (5415589) MAIN WIRE HARNESS - KAWI FR730V, FS600V, FS691V, FS730V ENGINES 5416016C

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

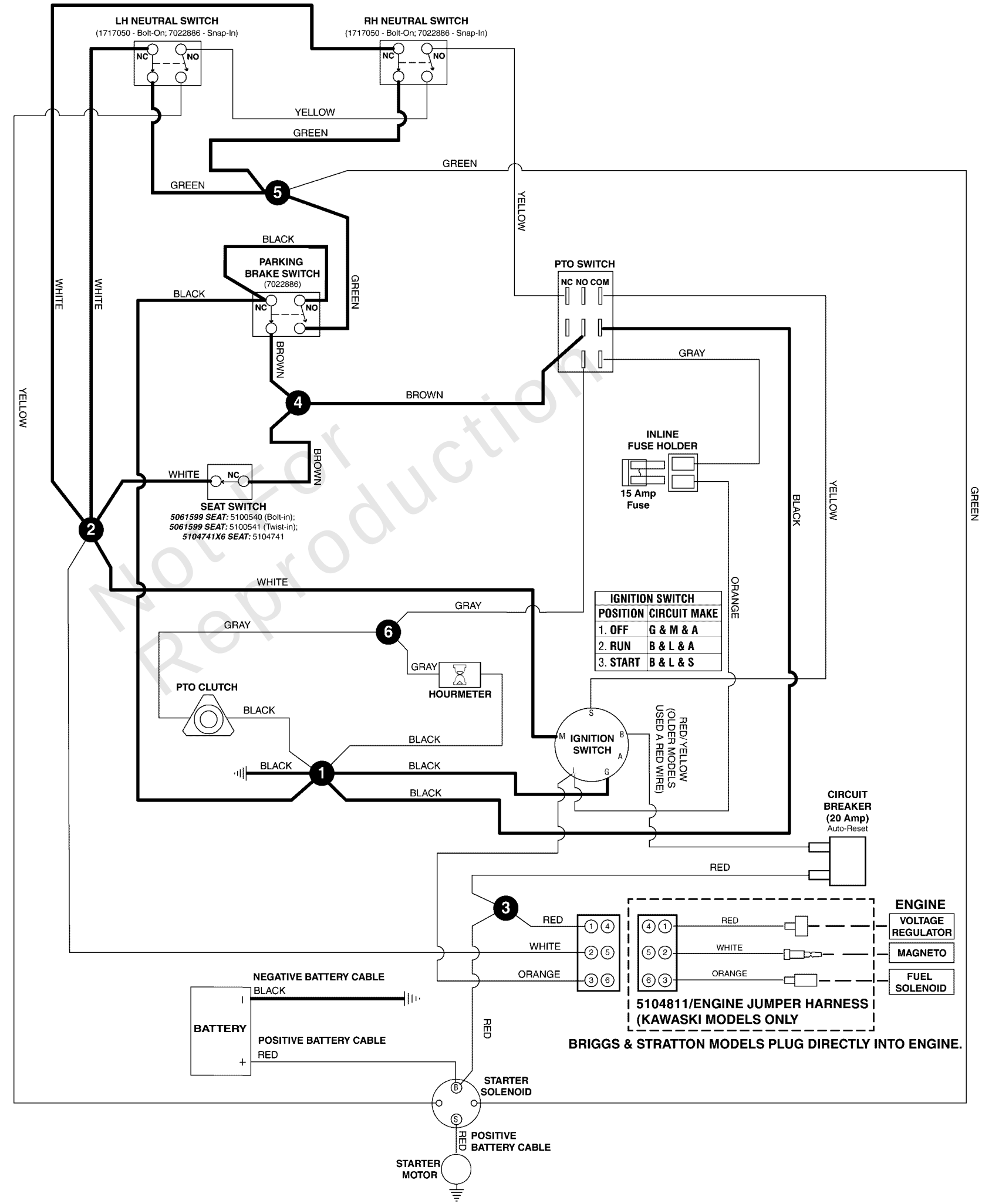
Electrical Schematic - Ign. Grounding Circuit/Op. Pres. - S/N: 2017612394 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5410289 / MAIN WIRE HARNESS

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)
IMPORTANT INFORMATION: This wiring diagram schematic is for all models equipped with the following engines: Briggs & Stratton Commerical Turf, Briggs & Stratton Professional Series, and Kawasaki FS, **WITH THE EXCEPTION OF** the Kawasaki FS equipped model 5901222 and 5901223. For 5901222 and 5901223 this schematic reflects the serial number range 2016277577 & above.
ON MODELS WITH KAWASAKI ENGINES IN S/N: 2017301892 & BELOW: The main wire harness plugged directly into the engine.



Electrical Schematic - Ign. Grounding Circuit/Op. Pres. - S/N: 2017612394 & Below

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

Electrical Schematic - Ign. Grounding Circuit/Op. Pres. - S/N: 2017612395 - 2017954955

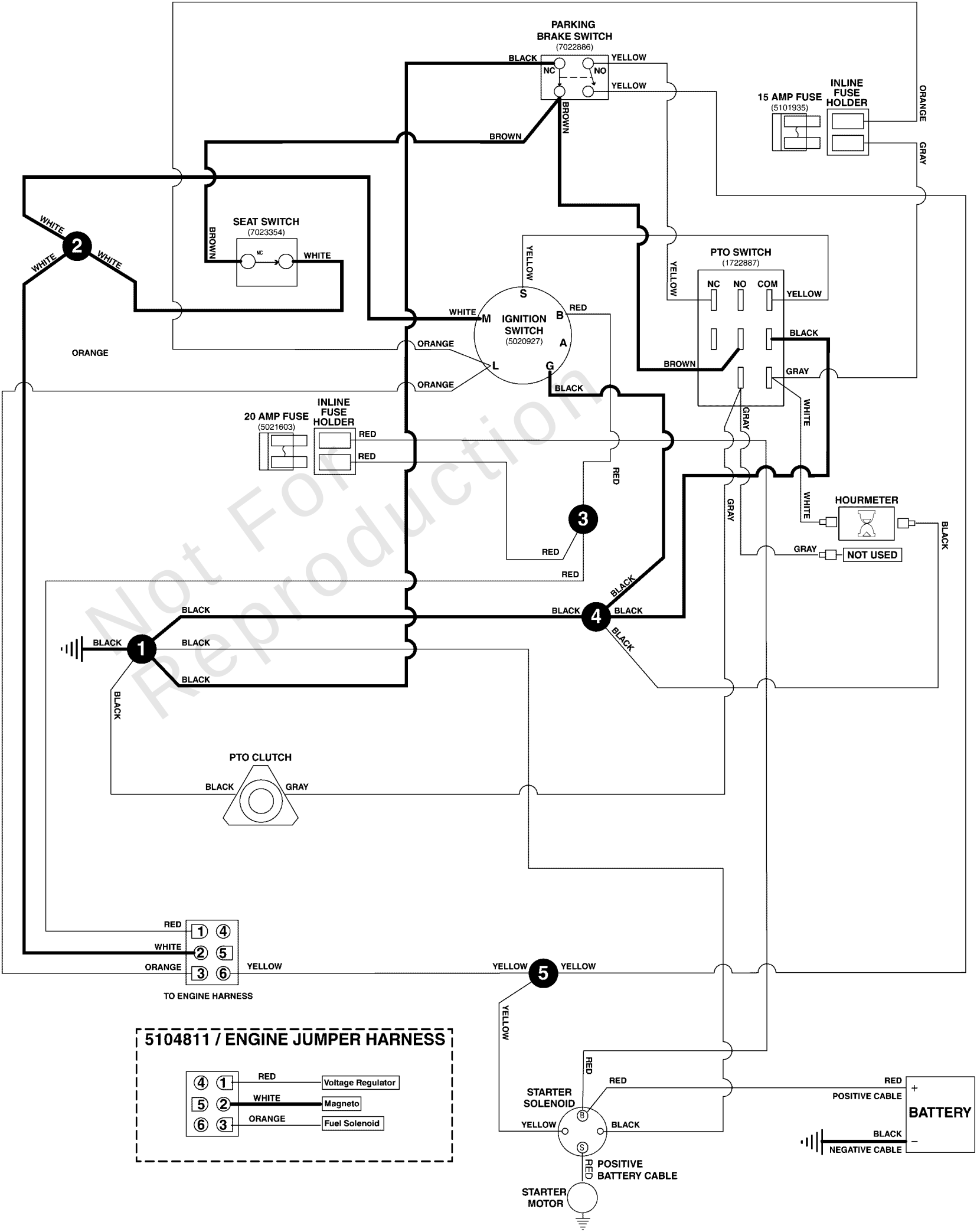
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5416016 (5415589) MAIN WIRE HARNESS - KAWI FR730V, FS600V, FS691V, FS730V ENGINES

5416016C

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - S/N: 2017612394 & Below

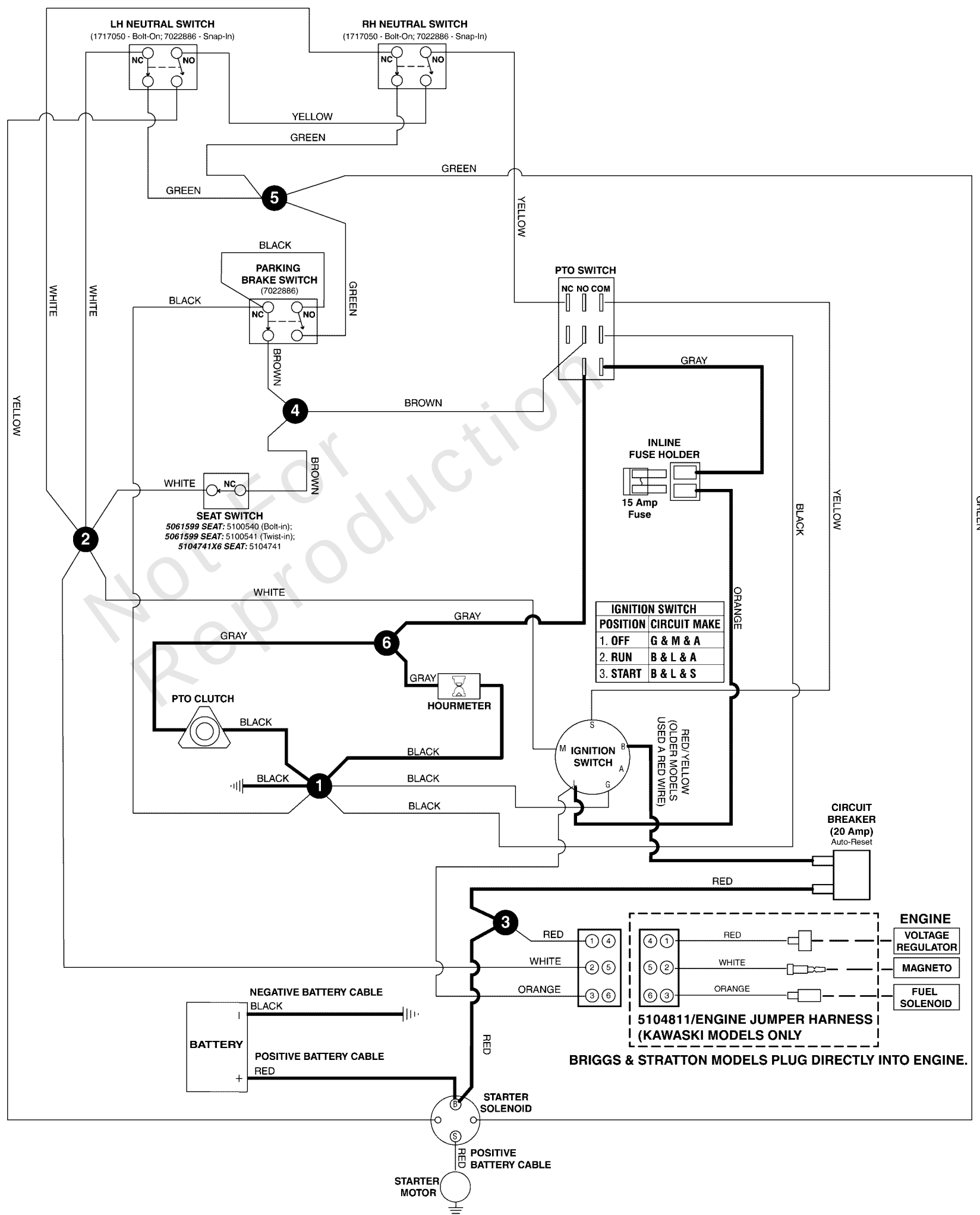
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5410289 / MAIN WIRE HARNESS

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)

IMPORTANT INFORMATION: This wiring diagram schematic is for all models equipped with the following engines: Briggs & Stratton Commercial Turf, Briggs & Stratton Professional Series, and Kawasaki FS, **WITH THE EXCEPTION OF** the Kawasaki FS equipped model 5901222 and 5901223. For 5901222 and 5901223 this schematic reflects the serial number range 2016277577 & above. **ON MODELS WITH KAWASAKI ENGINES IN S/N: 2017301892 & BELOW:** The main wire harness plugged directly into the engine.



Electrical Schematic - PTO Clutch Circuit - S/N: 2017612394 & Below

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - S/N: 2017612395 - 2017954955

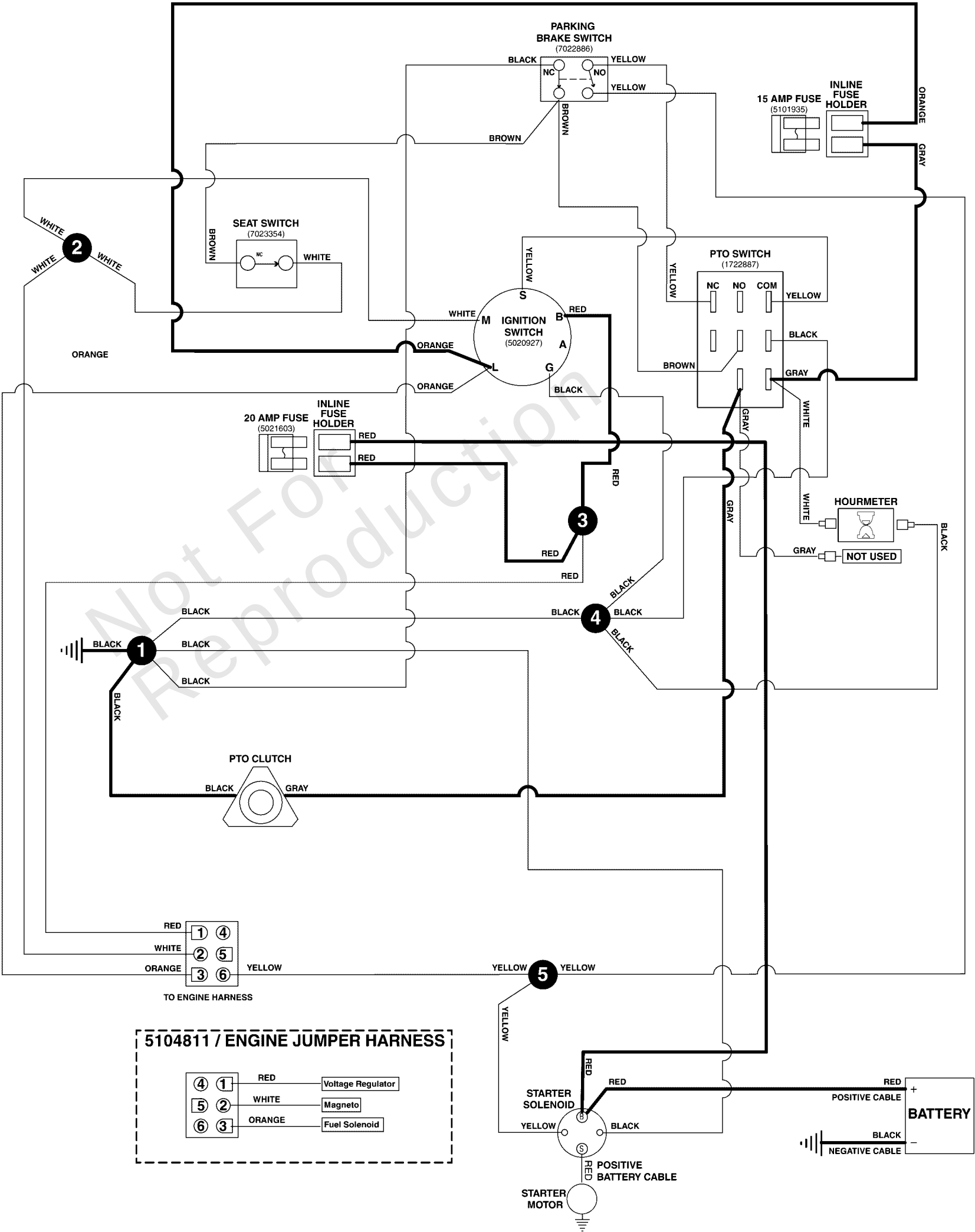
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5416016 (5415589) MAIN WIRE HARNESS - KAWI FR730V, FS600V, FS691V, FS730V ENGINES

5416016C

(If internal schematic of the switch is not shown, the image of the switch represents the back view of the connector as it is connected to the switch.)



Electrical Schematic - PTO Clutch Circuit - S/N: 2017612395 - 2017954955

REF NO	PART NO	QTY	DESCRIPTION
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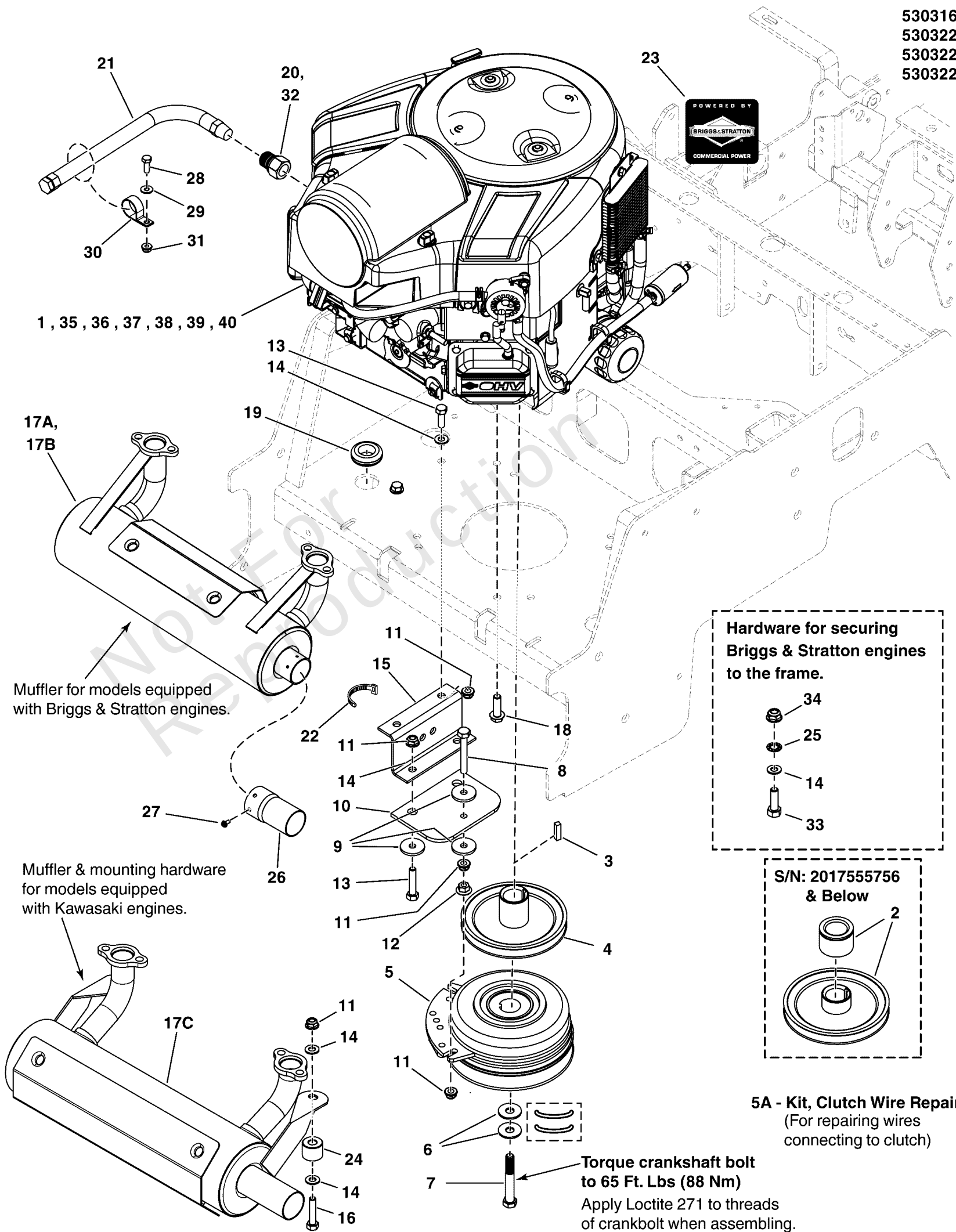
Not For Reproduction

Engine & PTO Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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Engine & PTO Group

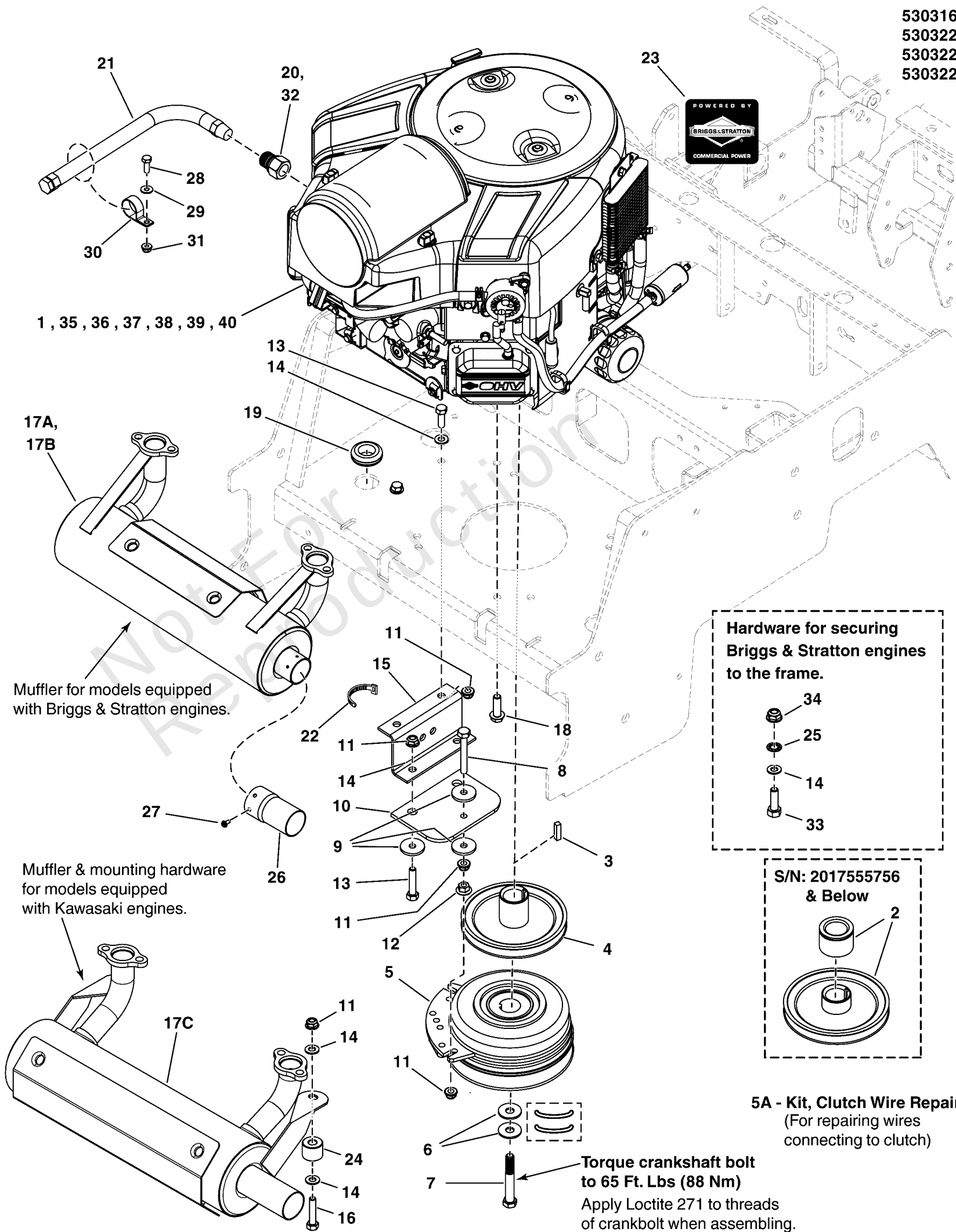
REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	ENGINE, B&S, COMM TURF, 49L977 -(Models with Briggs & Stratton Commercial Turf 49L977 Engines)
2	-----	1	REPLACE WITH REF # 4 -(S/N: 2017555756 & Below)
3	5022726	1	KEY 1/4 SQ X 1 1/2 LONG
4	5105108	1	PULLEY, CRANKSHAFT 1.1255"ID X 5.318" OB -(S/N: 2017555756 & Above)
5	5105090	1	CLUTCH WARNER 200 FT-LB 1.13 X 6.323
5A	5600575	1	KIT, CLUTCH WIRE REPAIR -(SV)
6	5025585	2	BELLEVILLE WASHER, 1.1875 X .442 X .098
7	5102866	1	BOLT, CRANKSHAFT, 7/16-20 X 3, GD8
8	5025055X18	1	BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ
9	5044617	4	WASHER, .34 X 1.25 X 10 GA
10	5043636	1	CLUTCH ANCHOR PAD
11	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE NUT -(Qty: 7 - Models w/ Kawasaki Engines S/N: 2016915554 & Below)
12	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
13	5025011X8	4	BOLT, 5/16-18 X 1" GRD5 YZ
14	5025155	2	WASHER, 5/16" SAE -(Models w/ Kawasaki Engines S/N: 2016915554 & Below)
15	5410367A	1	ANCHOR, CLUTCH, IS600-IS700 - BLK
16	5025011X14	2	BOLT, 5/16-18 X 1-3/4" GD5 YZ -(Qty: 2 - Models w/ Kawasaki Engines S/N: 2016915554 & Below)
17A	593249	1	MUFFLER, RIGHT OUTLET ASSY -(B&S Commercial Turf & Model 49R977 Vanguard Engines)
17B	846819	1	MUFFLER -(B&S Model 541777 Vanguard Engines)
17C	5104326	1	MUFFLER, KAWI, HORIZONTAL, 5" CAN -(Kawasaki Engines)
18	5025532	4	BOLT, HEX FLG, SER, GD5 3/8-16 X 1-1/4" PACH CZ -(Models equipped with Kawasaki Engines Only)
19	5021379	1	GROMMET, 7/8"
20	5022234	1	ADAPTER, Oil Drain -(Models equipped with Kawasaki Engines Only)
21	5048681	1	HOSE, OIL DRAIN
22	5101492	1	TIE, SELF-LOCKING, 24"
23	-----	1	NO LONGER AVAILABLE - LABEL, BRIGGS & STRATTON LOGO
24	5046446	2	SPACER, .39 X 1.00 X .80, CZ -(Models Kawasaki Engines S/N: 2016915554 & Below)
25	5025188	4	WASHER, 5/16" Internal Tooth Lock
26	5104348	1	EXTENSION, TAILPIPE, 3" - BLACK -(B&S Commercial Turf & Model 49R977 Vanguard Engines)
27	5025470	2	SCREW, SELF-TAP, #8-32 X 3/8. WASH HEX, CZ -(B&S Commercial Turf & Model 49R977 Vanguard Engines)
28	5025010X6	1	BOLT, 1/4"-20 X 3/4" GD5 YZ
29	5025154	1	WASHER, 1/4 SAE
30	5021500	1	CLAMP, VINYL INSULATED, 1.00
31	5025391	1	NUT, 1/4-20 Hex Nylock Flange
32	5100366	1	METRIC ADAPTER, M14-1.5" TO 3/8 NPTF -(B&S Vanguard Engines)
33	5025025X14	4	BOLT, 5/16-24 X 1-3/4, GD8, PHOS -(B&S Engines)
34	5025616	4	NUT, 5/16-24, TOP LOCK FLANGE, GD8 PHOS -(B&S Engines)
35	-----	1	ENGINE, B&S VANGUARD, 541777 -(Models with Briggs & Stratton Vanguard 541777 Engines)

Engine & PTO Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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Engine & PTO Group

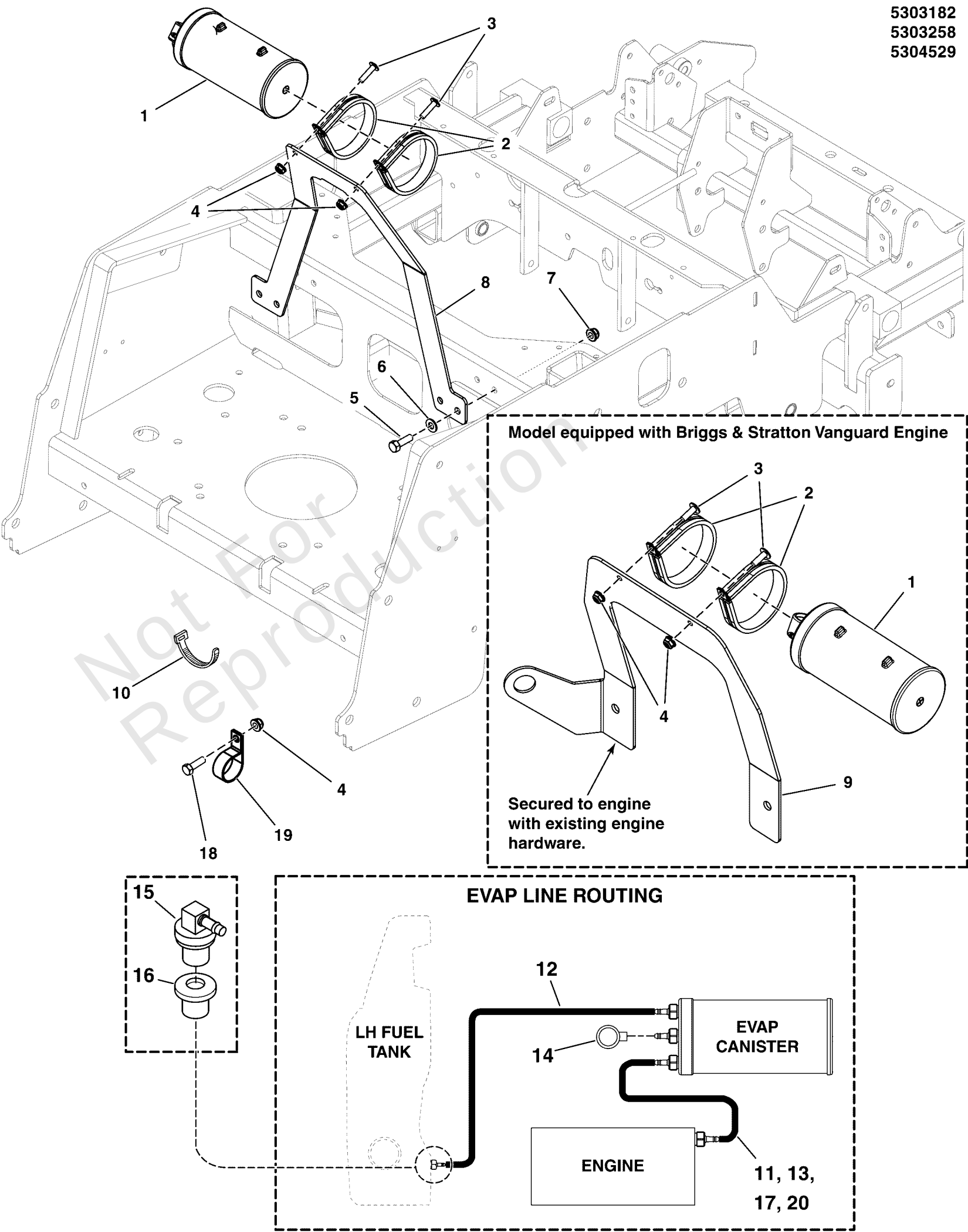
REF NO	PART NO	QTY	DESCRIPTION
36	-----	1	ENGINE, KAWASAKI, FS691 -(Models with Kawasaki FS691)
37	-----	1	ENGINE, KAWASAKI, FS730V -(Models with Kawasaki FS730V Carbureted)
38	-----	1	ENGINE, B&S, COMM TURF, 1-1/8 X 4.29, 49T877 -(Models with Briggs & Stratton Commercial Turf 49T877 Engines)
39	-----	1	ENGINE, B&S VANGUARD, 49R977 -(Models with Briggs & Stratton Vanguard 49R977 Engines)
40	-----	1	ENGINE, KAWASAKI, FS730V, EFI -(Models with Kawasaki Fuel Injected Engines in serial number range 2018025424 & Below)
40	-----	1	ENGINE, KAWASAKI, FT730V-CS41-R EFI -(Models with Kawasaki Fuel Injected Engines in serial number range 2018025425 & Above)

Evap Canister Group - CAL Models (S/N: All); Other Models (S/N : 2016816349 & Below)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

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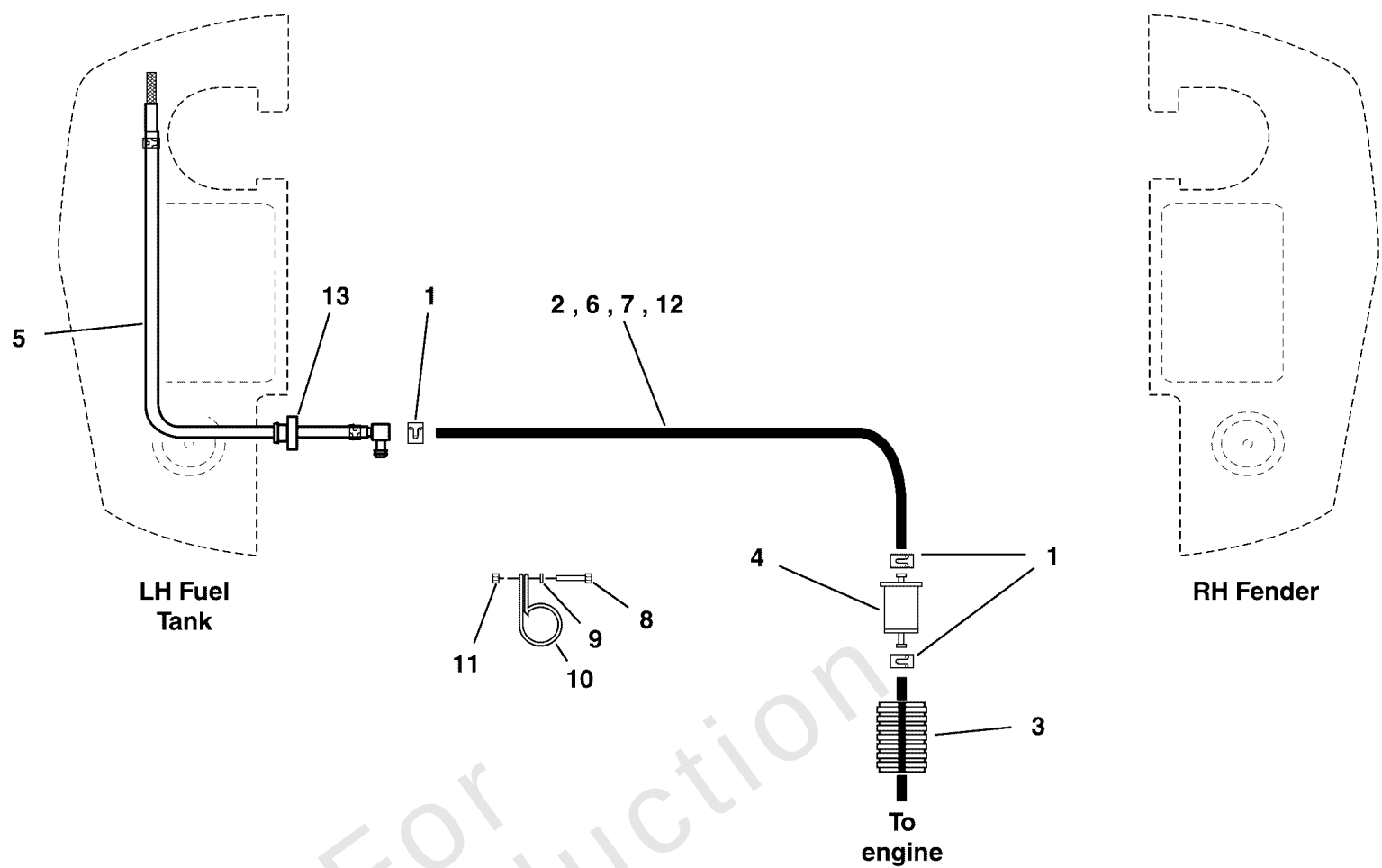
Evap Canister Group - CAL Models (S/N: All); Other Models (S/N : 2016816349 & Below)

REF NO	PART NO	QTY	DESCRIPTION
1	313036	1	CNSTR, CARB, 6 GAL
2	5103055	2	CLAMP, 3" ID, CUSHIONED, STAINLESS
3	5025299X6	2	USE 5106757 - SCREW,1/4-20X3/4, ZINC
4	5025391	4	NUT, 1/4-20 HEX NYLOCK FLANGE
5	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ -(Kawasaki and B&S Commercial Turf Engines)
6	5025155	4	WASHER, 5/16" SAE -(Kawasaki and B&S Commercial Turf Engines)
7	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
8	5411996A	1	PLATE, MOUNT, CANISTER, IS700Z - BLK -(Kawasaki and B&S Commercial Turf Engines)
9	5410541A	1	PLATE, CANISTER MOUNT, IS700 VAN - BLK -(B&S Vanguard Engines)
10	5021029	2	TIE, SELF-LOCKING, 12"
11	7700552X38	1	HOSE, VAPOR, 5MM ID, 38.00 LG -(B&S Commercial Turf Engines - S/N: All; B&S Vanguard Engines - S/N: 2016816350 & Above)
12	7700552X18	1	HOSE, VAPOR, 5MM ID, 18.00 LG
13	7700552X20	1	HOSE, VAPOR, 5MM ID, 20.00 LG -(B&S Vanguard Engines - S/N: 2016816349 & Below)
14	1752800	1	DUST FILTER, CANISTER -(SV)
15	770046	1	REMOTE VENT ASSEMBLY -(SV)
16	209043	1	GROMMET -(SV)
17	7700552X27	1	HOSE, VAPOR, 5MM ID, 27.00 LG -(Kawasaki Carbureted Engines Only)
18	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 CZ
19	5021500	2	CLAMP, VINYL INSULATED
20	7700552X53	1	HOSE, VAPOR, 5MM ID, 53.00 LG -(Kawasaki Fuel Injected Engines Only)

Fuel Supply Hose & Tank Replacement Parts

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



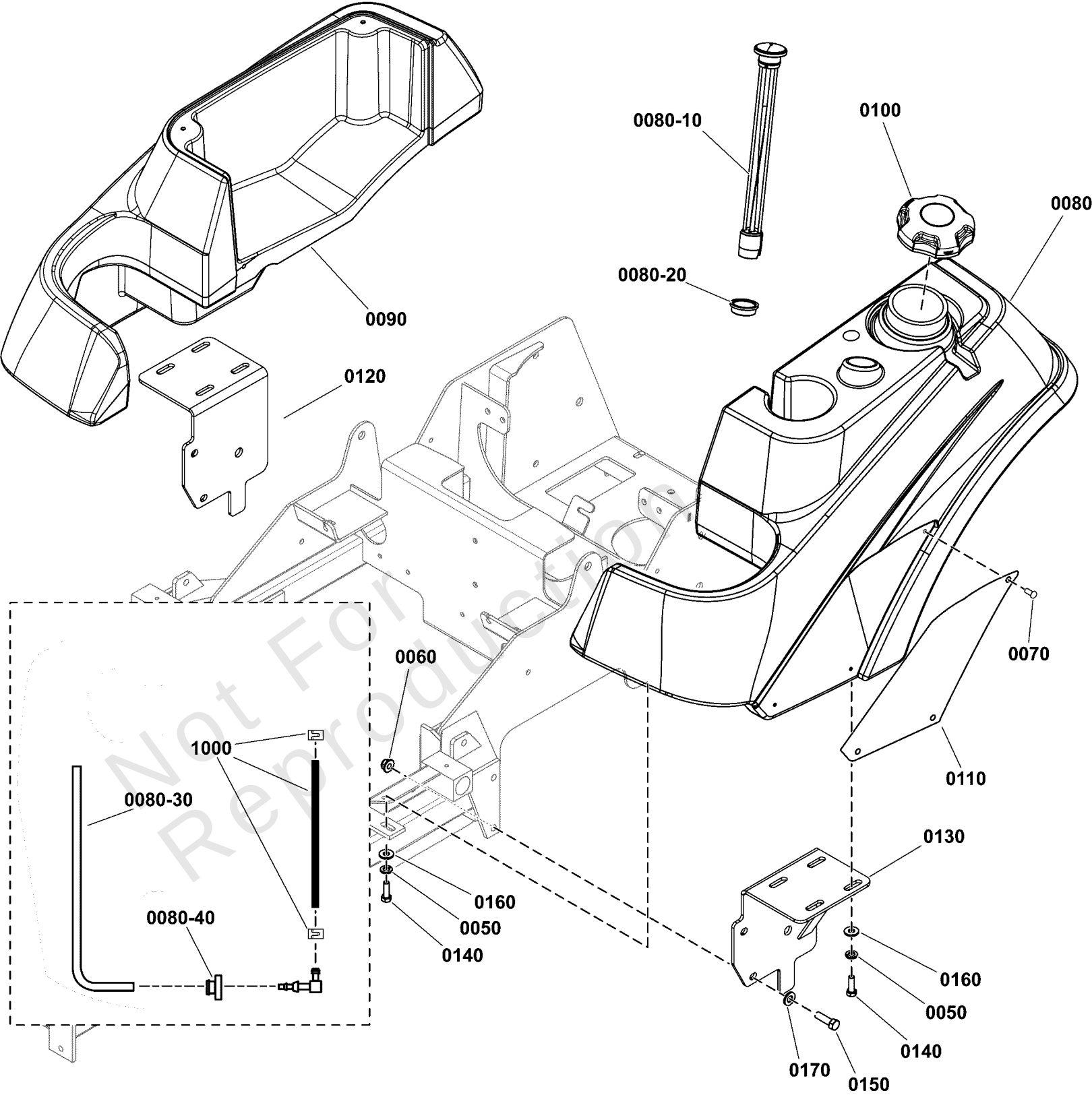
Fuel Supply Hose & Tank Replacement Parts

REF NO	PART NO	QTY	DESCRIPTION
1	93807	2	CLAMP, Hose
2	5050831X29	1	1/4" Fuel Line, 29" Long -(Briggs & Stratton Commercial Turf Engines Only)
3	5050833X13	1	WIRE LOOM, 1/2 ID, 13.00 LONG -(Briggs & Stratton Commercial Turf Engines Only)
4	5021178X3	1	FUEL FILTER (SV) -(SV)
5	5101149	1	PICKUP TUBE ASM, FUEL TANK, 22" -(SV)
6	5050831X9	1	HOSE, 1/4" FUEL, 9.00" -(Kawasaki Carbureted Engines Only)
7	5050831X22P5	1	HOSE, 1/4" FUEL, 22.50" -(Briggs & Stratton Vanguard Engines Only)
8	5025010X6	2	BOLT, 1/4"-20 X 3/4" GD5 YZ -(Briggs & Stratton Commercial Turf & Kawasaki EFI Engines Only)
9	5025154	2	WASHER, 1/4 SAE -(Briggs & Stratton Commercial Turf & Kawasaki EFI Engines Only)
10	5021500	2	CLAMP, VINYL INSULATED, 1.00 -(Briggs & Stratton Commercial Turf & Kawasaki EFI Engines Only)
11	5025391	2	NUT, 1/4-20 Hex Nylock Flange -(Briggs & Stratton Commercial Turf & Kawasaki EFI Engines Only)
12	5050831X34	1	HOSE, 1/4" FUEL, 34.00" -(Kawasaki EFI Engines Only)
13	1726400	1	BUSHING-FUEL TANK RED RUBBER

Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



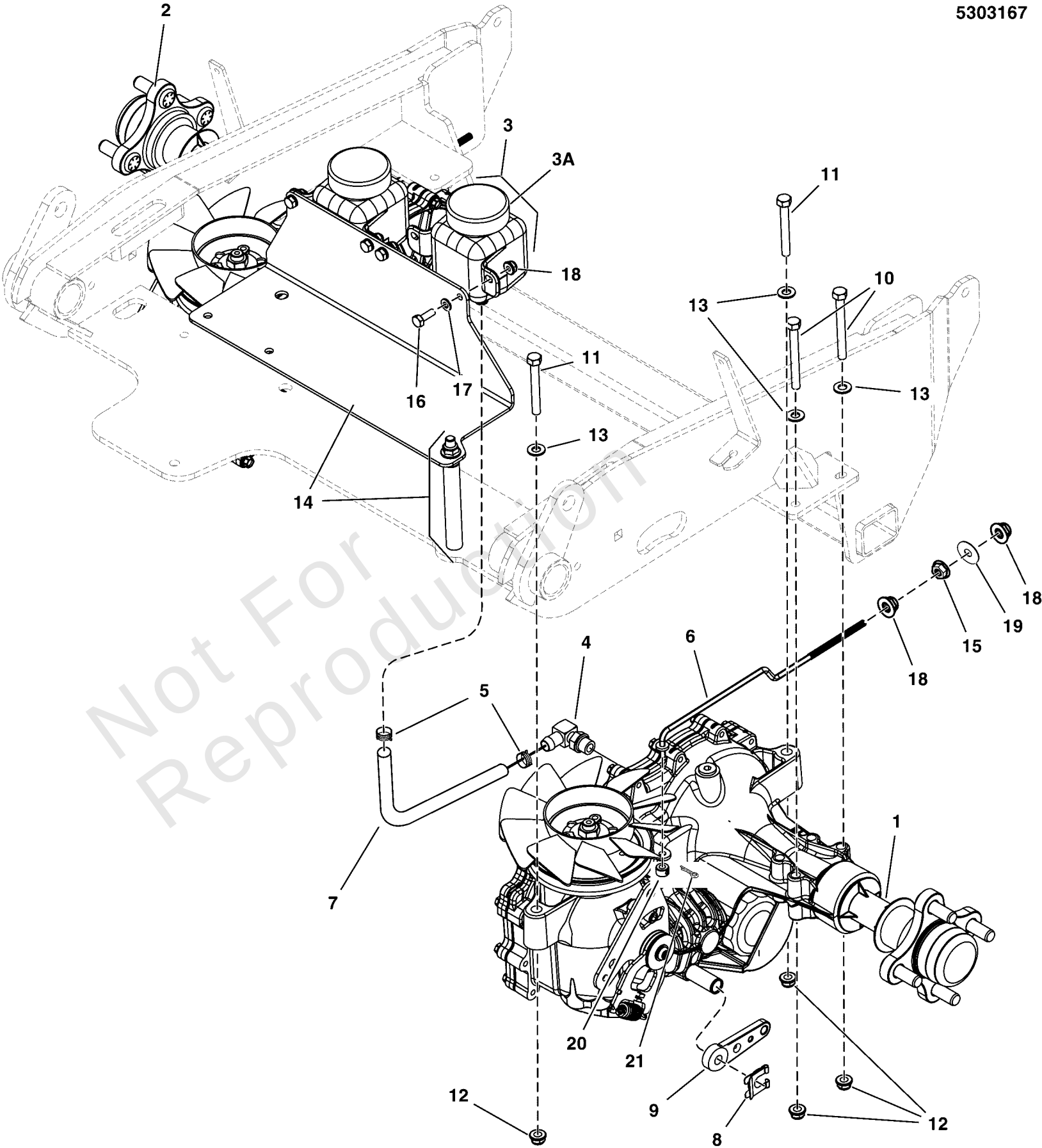
Fuel Tank & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
0050	5025170	10	WASHER, 5/16 LOCK CZ
0060	5025394	4	NUT, 3/8 - 16 HEX NYLOCK FLANGE
0070	5025386	6	SCREW, Allen Head, #10-24 x 3/8"
0080	5103176	1	TANK, FUEL - LH, IS500 & IS1500
0080-10	5022917	1	GAUGE, FUEL, 12
0080-20	5022917X1	1	GROMMET, FUEL GAUGE (SV)
0080-30	5101149	1	PICKUP TUBE ASM, FUEL TANK, 22" -(SV)
0080-40	1726400	1	BUSHING-FUEL TANK RED RUBBER -(SV)
0080-50	799624	1	GROMMET -(Not illustrated. This grommet is used to seat the remote vent assembly into the fuel tank.)
0080-60	770046	1	REMOTE VENT ASSEMBLY -(Not illustrated. This remote vent assembly connects to the evap lines.)
0090	5049948	1	TANK, FENDER, CITATION/ZT4000 - RH
0100	5103005	1	FUEL CAP, 3-1/2", MANAGED VENT OUT, 12"
0110	5400250B	2	PLATE, BADGE - IS1500 - RED
0120	5409854A	1	WELD, TANK MOUNT, RH - BLK
0130	5409856A	1	WELD, TANK MOUNT, LH - BLK
0140	5025011X6	10	BOLT, 5/16-18 X 3/4 GD5
0150	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
0160	5025292	10	WASHER, 5/16 GRADE 9, FLAT
0170	5025293	4	WASHER, 3/8" GR. 9 FLAT
1000	-----	1	Refer to: Engine & PTO Group

Hydraulic Group

Note: Unless noted otherwise, use the standard torque specifications
 Mfg. No: 5901388

5303167



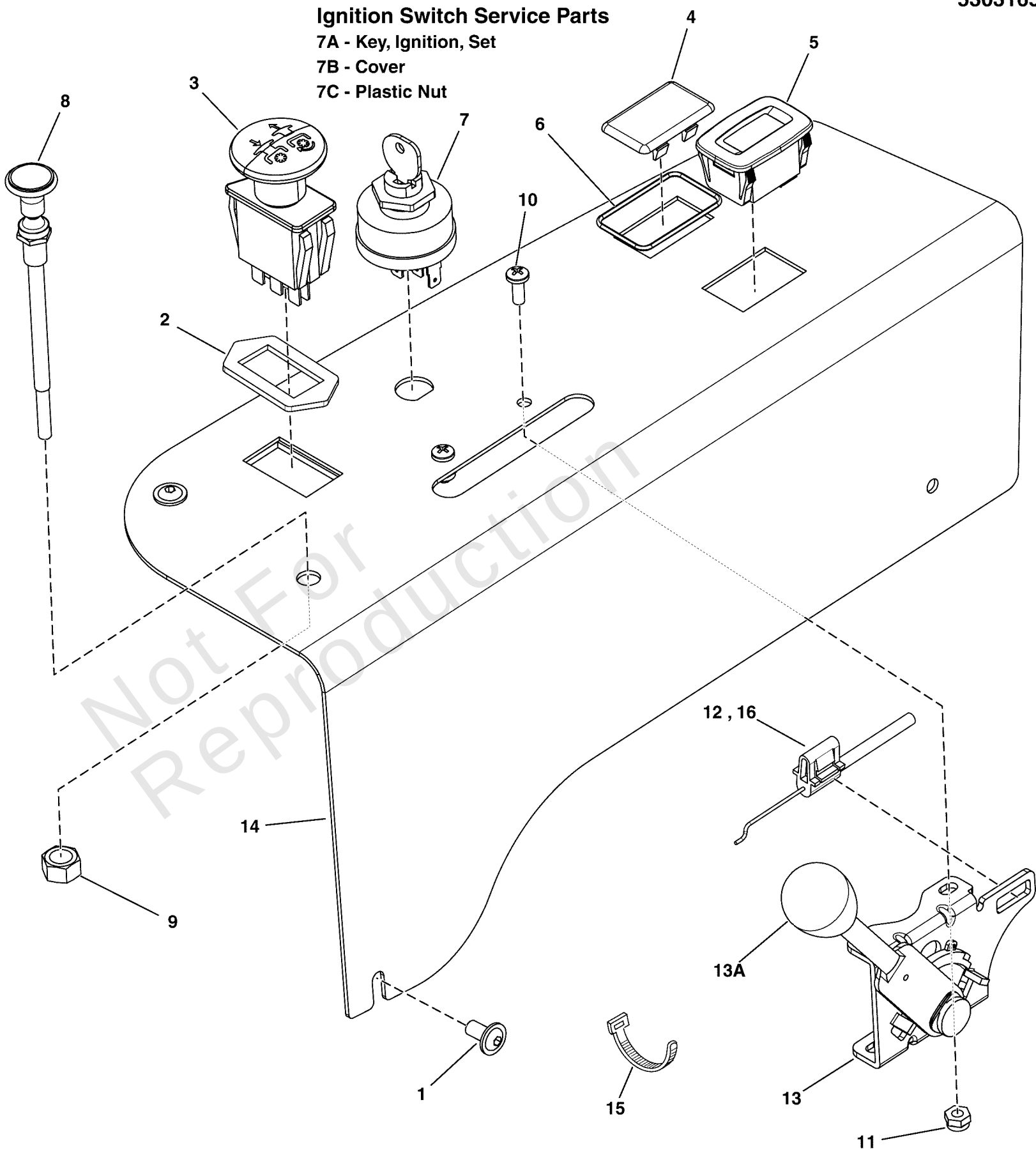
Hydraulic Group

REF NO	PART NO	QTY	DESCRIPTION
1	5103589	1	3400 TRANS, LH, ZS-KHEF-8T7C-11RX -(S/N: 40015467047 and below)
1	5109254	1	TRANSAXLE, ZT-3200, LH,ZJ-KYEF-9T7C-1GRX -(S/N: 40015467048 and above)
2	5103590	1	3400 TRANS, RH, ZS-GHEF-8T7B-11 RX -(S/N: 40015467047 and below)
2	5109253	1	TRANSAXLE, ZT-3200, RH,ZJ-GYEF-9T7B-1GRX -(S/N: 40015467048 and above)
3	5100473	2	HYDRO RES. #71328, 350 ml
3A	5100778X1	2	RESERVIOR CAP -(SV)
4	5100370	2	FITTING, 9/16 O-RING-1/2" HOSE, 90 DEG
5	5025474	4	CLAMP, HOSE, .75 FREE DIA.
6	5103631	2	ROD, DUMP VALVE, IS600 -(Older style rods did not have a hole for the hair pin.)
7	5050857X9P5	2	HOSE, 1/2 PUSH-LOCK, 9.50
8	5104055	2	E-CLIP, BRAKE ARM, ZT3100 & ZT3400
9	5103750	2	BRAKE ARM, ZT3400
10	5025011X24	4	BOLT, 5/16-18 X 3 GD5 YZ
11	5025011X20	4	BOLT, 5/16-18 X 2-1/2 GD5 YZ -(S/N: 2016905168 & Below)
11	5025013X20	4	BOLT, 3/8-16 X 2-1/2" GD5 CZ -(S/N: 2016905169 & Above)
12	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE -(QTY: 12 - S/N: 2016905168 & Below)
12	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE -(S/N: 2016905169 & Above)
13	5025292	4	WASHER, 5/16 F436 FLAT -(QTY: 8 - S/N: 2016905168 & Below)
13	5025156	4	WASHER, 3/8 SAE -(S/N: 2016905169 & Above)
14	-----	0	See Pump Drive Group
15	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
16	5025010X6	4	BOLT, 1/4-20 X 3/4 GD5 YZ
17	5025154	4	WASHER, 1/4 SAE
18	5025391	8	NUT, 1/4-20 HEX NYLOCK FLANGE
19	5025288	2	WASHER, 1/4 FENDER
20	5022481	2	COLLAR, 1/4 SET -(S/N: 2016497835 & Below)
21	5025211	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ -(S/N: 2016497836 & Above)

Instrument Control Panel

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901388

5303165



Instrument Control Panel

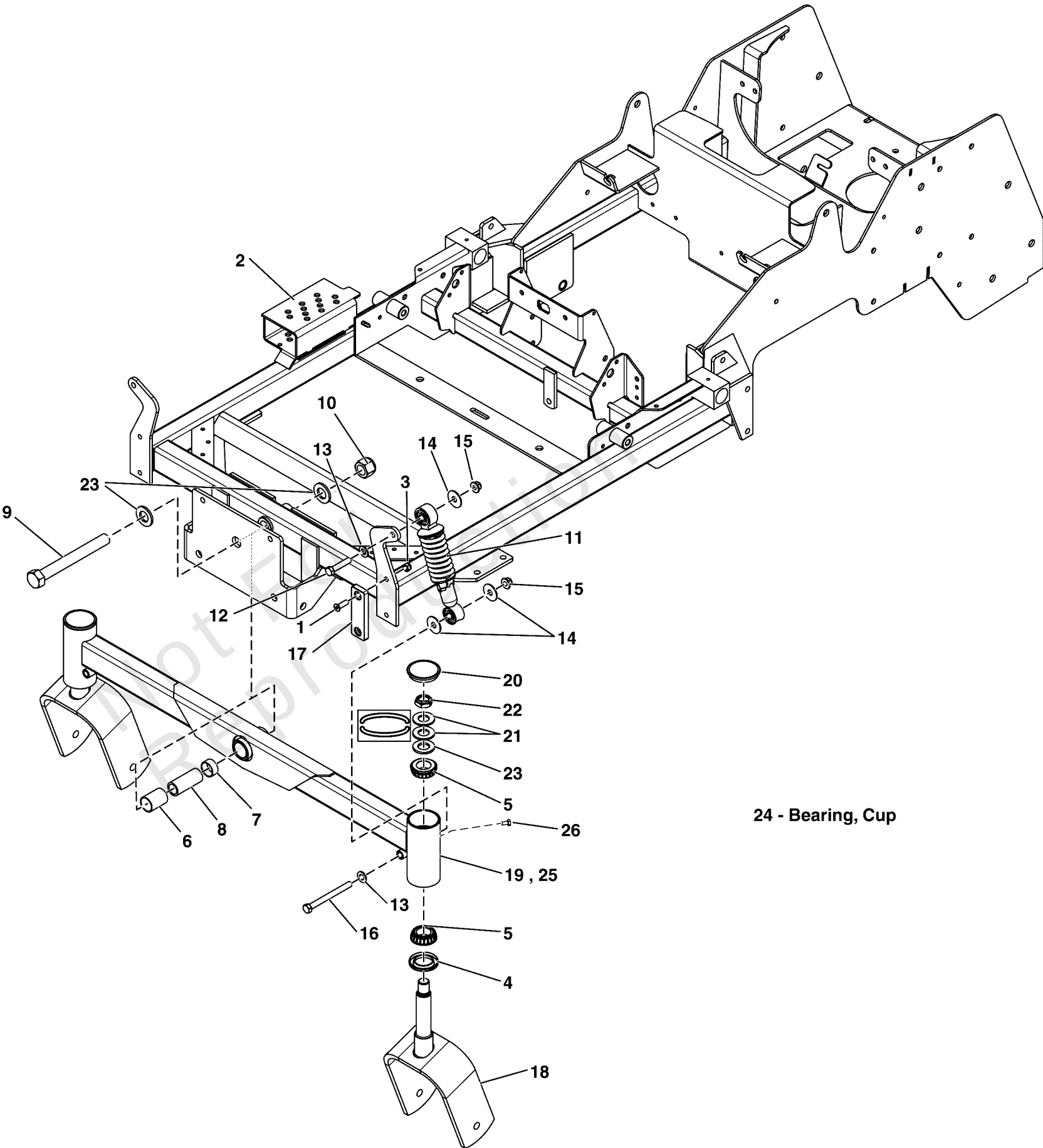
REF NO	PART NO	QTY	DESCRIPTION
1	5025299X4	3	SCREW, 1/4-20 X 1/2 ALLEN BH
2	5022222	1	RING, SWITCH RETAINER
3	5022180	1	SWITCH, BLADE ENGAGEMENT
4	1709188	1	PLUG, .820X1.44 HOLE, BLACK PLASTIC
5	84008768	1	HOURMETER (2 Pin Connector) -(Replaces hour meters equipped with two individual wires)
5	84008510	1	HOURMETER (6 Pin Connector) -(Replaces hour meters equipped with 6 pin connectors)
6	5022269	1	O-RING, 7/8 ID X 1/16 W
7	5020927	1	SWITCH, IGNITION, 6 POST
7A	5022789	1	KEY, IGNITION MOLDED SET -(SV)
7B	5022790	1	COVER, PLASTIC, SNAP ON -(SV)
7C	5022791	1	PLASTIC NUT -(SV)
8	5047779	1	CABLE, CHOKE CONTROL, 51 (Z)
9	5025309	1	NUT, 3/8-24 HEX JAM
10	5025179X6	2	SCREW, #10-24 X 3/4 ROUND PHILLIPS
11	5025271	2	NUT, #10-24 HEX NYLON LOCK
12	5101073	1	CABLE, THROTTLE, 42" -(All other models)
13	5101537	1	LEVER, THROTTLE CONTROL, HEAVY-DUTY
13A	5046360X1	1	THROTTLE CONTROL HANDLE/KNOB -(SV)
14	5410303A	1	PLATE, CONTROL PANEL, IS600Z - BLK
15	5021030	2	TIE, SELF-LOCKING, 6"
16	5101076	1	CABLE, THROTTLE 47" -(Briggs & Stratton Model 541777 Vanguard Engine Models)

Main Frame & Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303162



24 - Bearing, Cup

Main Frame & Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1	5025594YP	4	SCREW, 5/16-18 X 1 -(Was 5025303)
2	-----	1	WELD, MAIN FRAME, IS700Z - RED -(Refer to Note: *)
3	5025057FS	4	NUT
4	5021072SM	2	SEAL, GREASE
5	5020884SM	4	BEARING, TAPERED ROLL
6	5022852SM	1	PIVOT BEARING, 1.00"
7	5100358SM	1	PIVOT BEARING
8	5047489SM	1	SPACER, .75 X 1.00 X
9	5025265X52SM	1	BOLT, 3/4-16 X 6-1/2"
10	5025284SM	1	NUT, 3/4-16 HEX NYLON
11	84011453	2	ABSORBER, SHOCK
12	5025013X14SM	2	BOLT, 3/8-16 X 1-3/4"
13	5025156FS	4	WASHER
14	5025165SM	6	WASHER, 3/8" FENDER
15	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
16	5025013X32SM	2	BOLT, 3/8-16 X 4" GD5
17	5102702YP	2	PAD, FRICTION
18	5402208BFS	2	YOKE, CASTER -(S/N: 4000771923 and below)
18	5419196BFS	2	YOKE, CASTER -(S/N: 4000771924 and above)
19	5403810BFS	1	PIVOT -(61" Models)
20	5109845FS	2	CAP
21	5025449SM	4	WASHER, BELLEVILLE
22	5025448SM	2	NUT - 3/4-16 HEX JAM
23	5025160SM	4	WASHER, 3/4" SAE
24	5020883SM	4	BEARING CUP -(SV)
25	5405923BFS	1	PIVOT -(52" Models)
26	5025457SM	2	BOLT - 1/4-28 X 1/2

Footnotes:

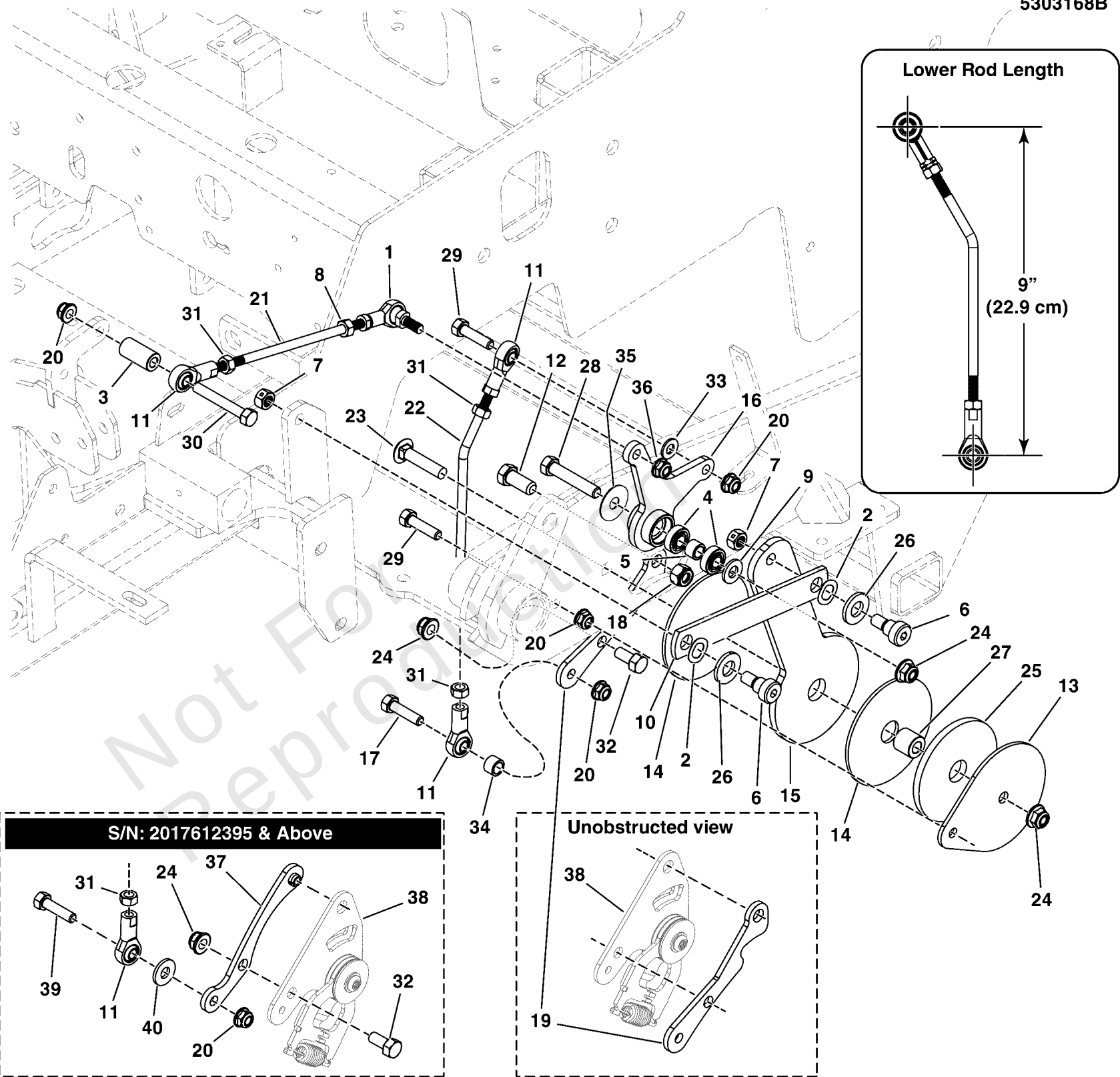
Note: *If frame is damaged, call 1-800-933-6175 ext. 709

Motion Control Group - Control System

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303168B



Motion Control Group - Control System

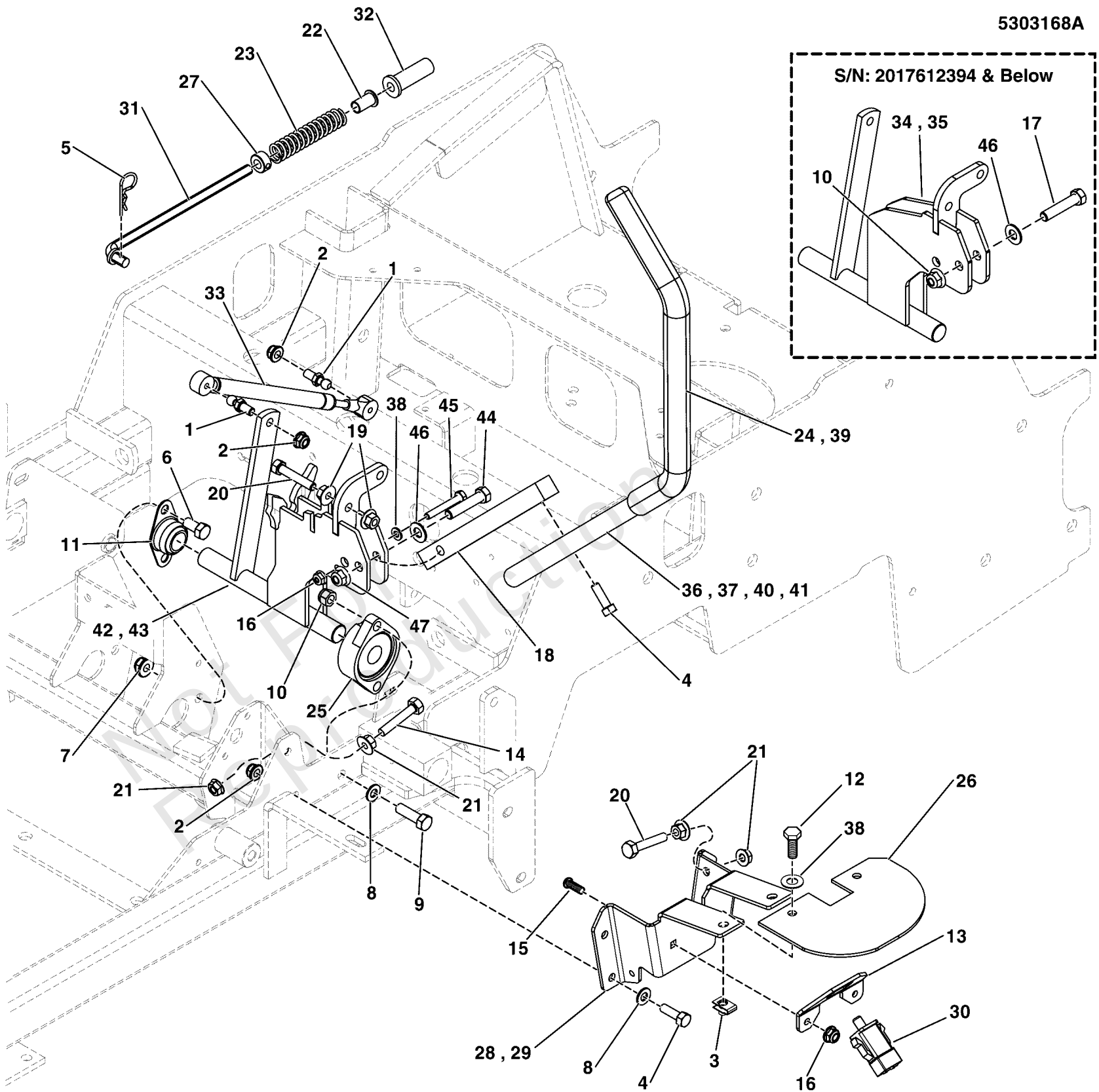
REF NO	PART NO	QTY	DESCRIPTION
1	5104495	2	BALL JOINT, 5/16-24 LH FEMALE W/STUD, BR
2	5103784	4	WAVE WASHER, 1/2"ID X .087"OD X .01 THK.
3	5102599	2	SPACER, .38 X .75 X 1.25, PM, CZ
4	5102003	4	BEARING, .375" ID X .875" OD X .341" THK
5	5103676	2	SPACER, .39 X .55 X .38, PM, CZ
6	5025356	4	BOLT, 3/8-16 X 3/8", 1/2" SHOULDER
7	5025100	4	NUT, Hex, Side Lock, 3/8-16
8	5023212	2	NUT, 5/16-24 HEX, LH
9	5025293	2	WASHER, 3/8" GR. 9 FLAT
10	5410447AYP	2	LINK, Control
11	5104578	6	BALL JOINT 5/16-24 RH FEMALE STAMPED STL
12	5025015X6	2	BOLT, 7/16-14 X 3/4, GD 5 YZ -(S/N: 2017612394 & Below)
13	5410271A	2	PLATE, CONTROL SYSTEM LOCK - BLK
14	5103672	4	PAD, CONTROL SYSTEM
15	5410268	2	PLATE, CONTROL SYSTEM ARM - HT
16	5103718	2	PIVOT, CONTROL SYSTEM, S125XT
17	5025011X12	2	BOLT, 5/16-18 X 1-1/2" GD5 YZ -(S/N: 2017612394 & Below)
18	5025044	2	NUT, 7/16-14 HEX TOP LOCK -(S/N: 2017612394 & Below)
19	-----	2	REPLACE WITH COMPONENTS IN S/N: 2017612395 & ABOVE RANGE -(S/N: 2017612394 & Below)
20	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
21	5103759	2	ROD, HYDRO LINKAGE, 7.75, CZ
22	5103760	2	ROD, CONTROL SYSTEM, IS700, CZ
23	5025146X12	2	BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ
24	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
25	5103704	2	PAD, .77 X 3.50 X .25, POLYURETHANE
26	5025440	4	WASHER, 1/2" GD9 YZ
27	5103705	2	SPACER, .39 X .75 X .69, PM, CZ
28	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR
29	5025011X10	10	BOLT, 5/16-18 X 1-1/4" GD5 YZ
30	5025011X20	2	BOLT, 5/16-18 X 2-1/2" GD5 YZ
31	5025033	6	NUT, Hex, 5/16-24
32	5025013X6	2	BOLT, 3/8-16 X 3/4" GD5 CZ
33	5025292	2	WASHER, 5/16 GRADE 9, FLAT
34	5103767	2	SPACER, .33 X .63 X .36, PM, CZ -(S/N: 2017612394 & Below)
35	5025165	2	WASHER, 3/8" Fender
36	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
37	5105030	2	CONTROL ARM, ZT3400 -(S/N: 2017612395 & Above)
38	-----	0	TRANSAXLE CONTROL ARM (PART OF TRANSAXLE)
39	5025011X10	2	BOLT, 5/16-18 X 1-1/4" GD5 YZ -(S/N: 2017612395 & Above)
40	5025155	2	WASHER, 5/16" SAE -(S/N: 2017612395 & Above)

Motion Control Group - Handles & Dampeners

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303168A



Motion Control Group - Handles & Dampeners

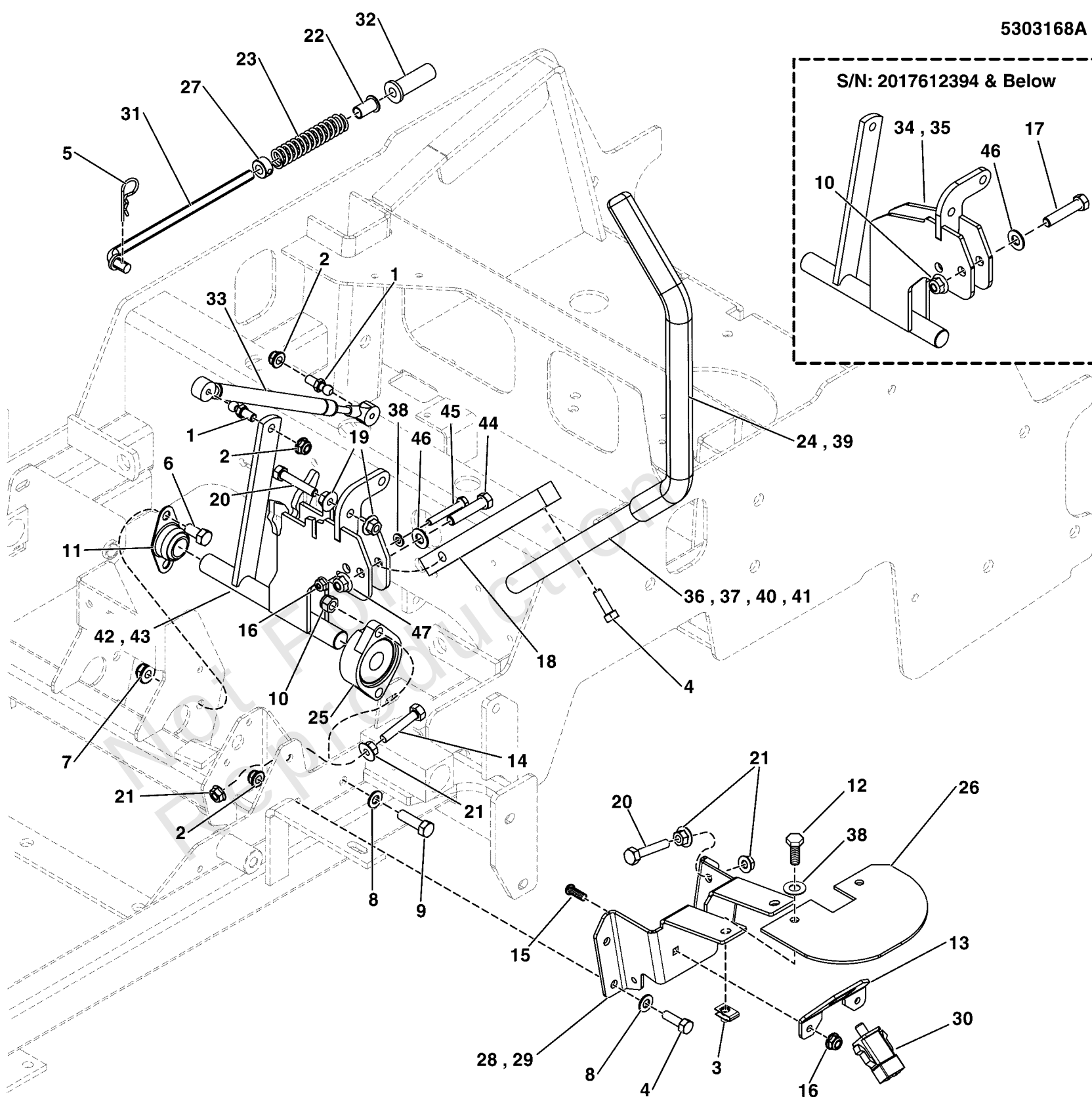
REF NO	PART NO	QTY	DESCRIPTION
1	5101307	4	10MM BALL STUD, 5/16-18 X 3/4 THDS
2	5025392	12	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
3	5022665	4	BODY CLIP, 1/4-20 X 1/2" DEEP
4	80003531	4	SCREW, 5/16-18x0.750, GR5, WHIZ-LOCK, ZC
5	5025210	2	3/32 X 1-5/8 HAIR PIN CLIP
6	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 CZ
7	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
8	5025155	12	WASHER, 5/16" SAE
9	5025327	4	BOLT, Allen Head, 3/8-16 x 1-1/4
10	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
11	5021098	2	BEARING, BRONZE FLANGE, 3/4"
12	5025010X6	4	BOLT, 1/4"-20 X 3/4" GD5 YZ
13	5409984A	2	BRACKET, SWITCH MOUNT - BLK -(S/N: 2017612394 & Below)
14	5025055X10	2	BOLT, 5/16-18 X 1-1/4 GD5 TFL, CZ
15	80003579	4	BOLT, 1/4-20X.75,GR5,RH SH SQ NK,ZNC/CLR -(S/N: 2017612394 & Below)
16	5025391	6	NUT, 1/4-20 Hex Nylock Flange -(Qty: 4 - S/N: 2017612394 & Below)
17	5025013X14	4	BOLT, 3/8-16 X 1-3/4" GD5 CZ -(S/N: 2017612394 & Below)
18	5047004A	2	MOUNT, CONTROL ARM - BLK -(9.0" Total Length, 4 Adjustment Holes)
19	5025139	4	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
20	5025055X14	2	BOLT, 5/16-18 X 1-3/4 TFL, GD5 YZ
21	5025127	8	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
22	5023260	2	BUSHING, FLANGE 3/8ID X 7/8 LONG
23	5022645	2	SPRING, REVERSE RETURN
24	5022068	2	GRIP, FOAM, 3/4" ID, 16" LONG -(S/N: 2017499983 & Below)
25	5021499	2	BEARING, FLANGE
26	5410610A	2	PLATE, NEUTRAL LOCK SHIELD - IS700 - BLK
27	5010546	2	COLLAR, 3/8" Set
28	5409982A	1	PLATE, NEUTRAL LOCK, LH - BLK
29	5409983AYP	1	LOCK, Neutral, RH -(Not illustrated)
30	-----	2	SEE ELECTRICAL GROUP -(S/N: 2017612394 & Below)
31	5100947	2	ROD, NEUTRAL RETURN, CZ
32	5104375	2	FLANGED BUSHING, 3/8IDX.63ODX.8125FL
33	5100940	2	DAMPENER, CONTROL,#(P6709/P3610)
34	5410103A	1	WELD, CONTROL SHAFT, RH - BLK -(S/N: 2017612394 & Below)(Not illustrated)
35	5410102A	1	WELD, CONTROL SHAFT, LH - BLK -(S/N: 2017612394 & Below)
36	5400637A	1	WELD, HANDLE MOTION CONTROL RH - BLK -(S/N: 2017499983 & Below)(Not illustrated)
37	5400636A	1	WELD, HANDLE MOTION CONTROL LH - BLK -(S/N: 2017499983 & Below)
38	5025154	6	WASHER, 1/4 SAE -(Qty: 4 - S/N: 2017612394 & Below)
39	5104722	2	GRIP, FOAM, 1" ID, 16" LONG -(S/N: 2017499984 & Above)
40	5414431A	1	WELD, HANDLE MOTION CNTRL, 19.0, 1.0, LH - BLK -(S/N: 2017499984 & Above)

Motion Control Group - Handles & Dampeners

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303168A



Motion Control Group - Handles & Dampeners

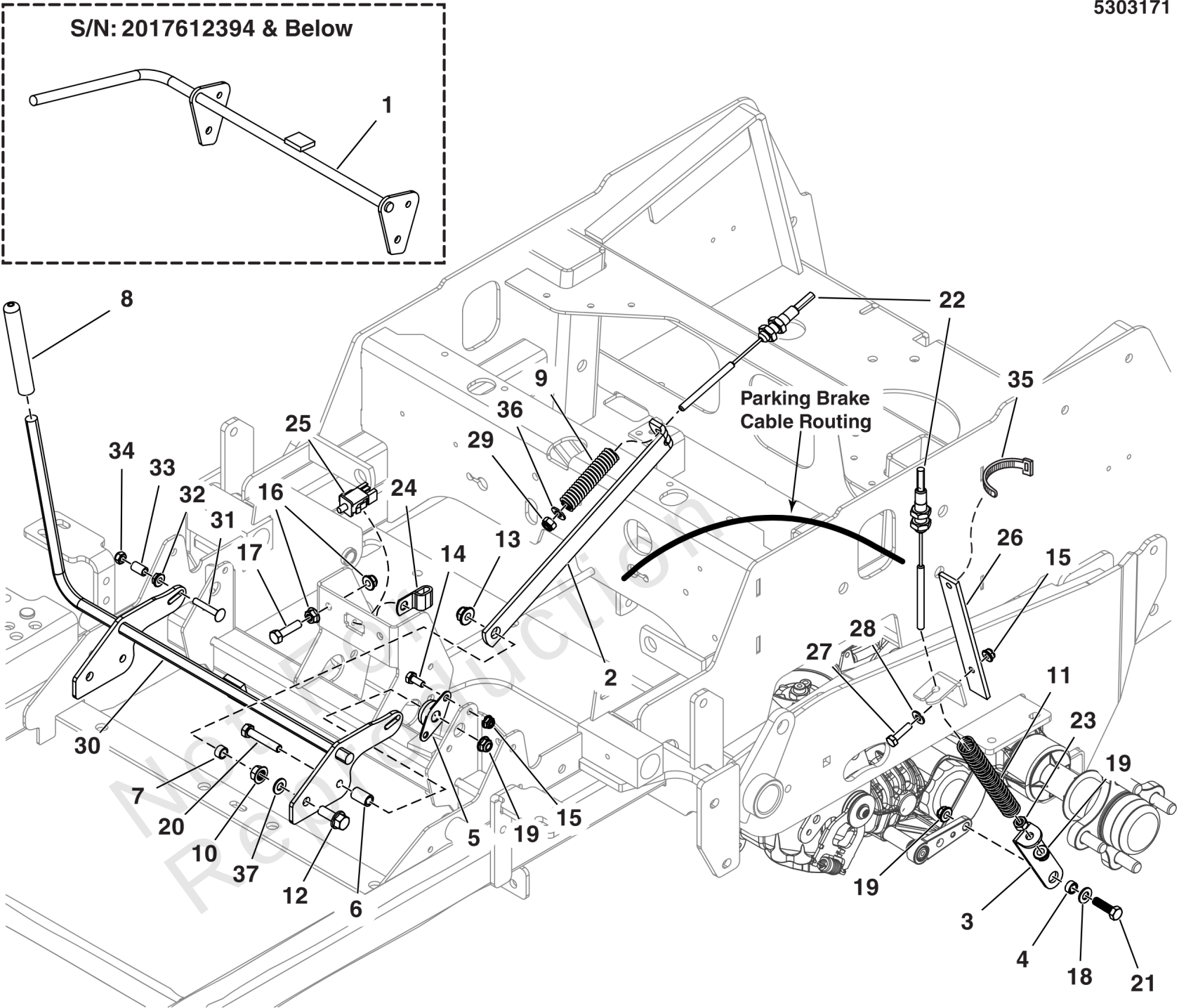
REF NO	PART NO	QTY	DESCRIPTION
41	5414432A	1	WELD, HANDLE MOTION CNTRL, 19.0, 1.0, RH - BLK -(S/N: 2017499984 & Above)(Not illustrated)
42	5416663A	1	WELD, CONTROL SHAFT, LOCKOUT, LH - BLK -(S/N: 2017612395 & Above)
43	5416664A	1	WELD, CONTROL SHAFT, LOCKOUT, RH - BLK -(S/N: 2017612395 & Above)(Not illustrated)
44	5025013X14	2	BOLT, 3/8-16 X 1-3/4" GD5 CZ -(S/N: 2017612395 & Above)
45	5025010X14	2	BOLT, 1/4 X 20 X 1-3/4 GD5 YZ -(S/N: 2017612395 & Above)
46	5025156	2	WASHER, 3/8 SAE -(Qty: 4 - S/N: 2017612394 & Below)
47	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE -(Qty: 4 - S/N: 2017612395 & Above)

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303171



Parking Brake Group

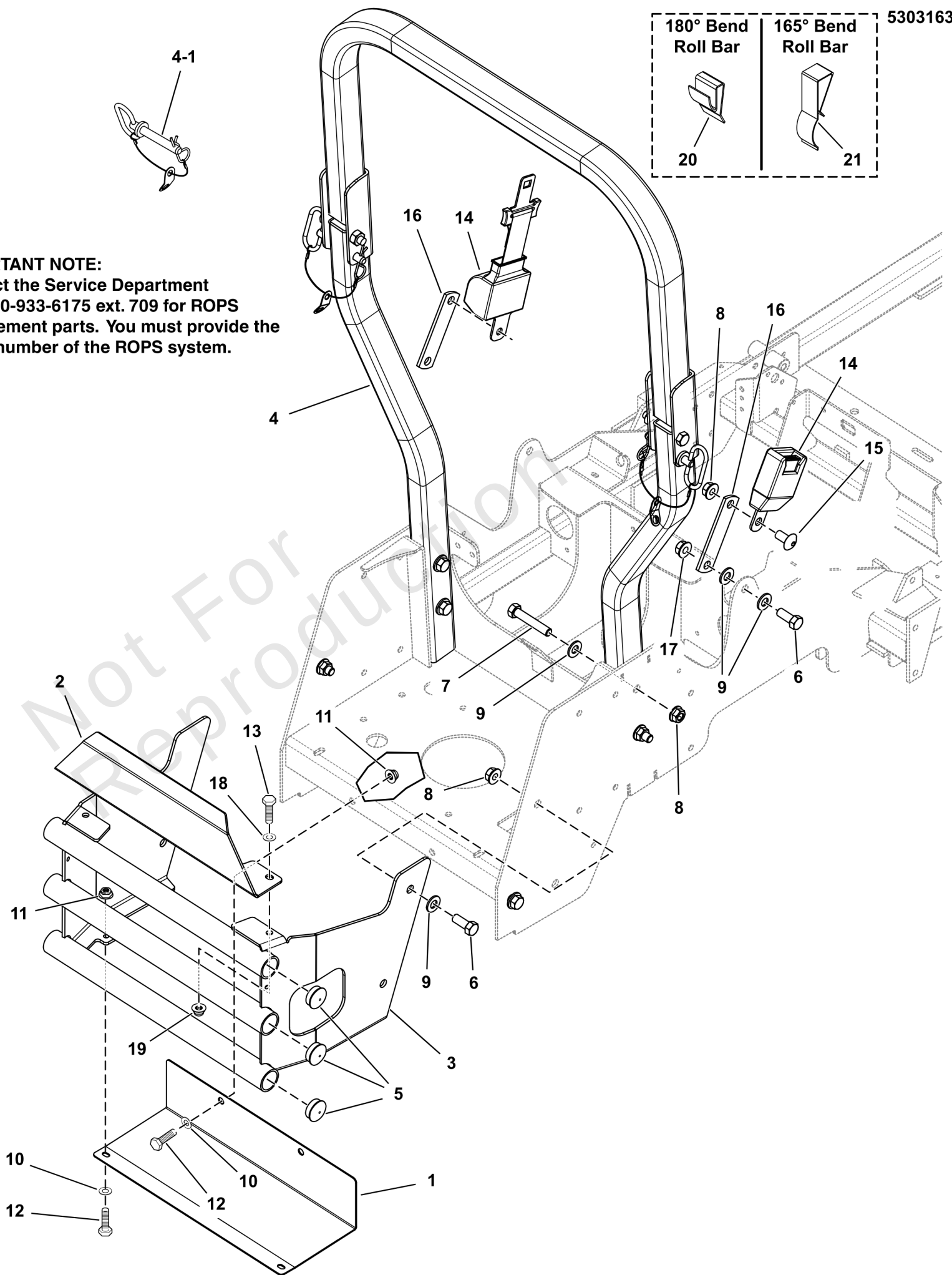
REF NO	PART NO	QTY	DESCRIPTION
1	5410216A	1	WELD, BRAKE SHAFT, IS600 - BLK
2	5410328AA	2	LINK, BRAKE LOCK, IS700 - BLK
3	5410294AA	2	LINK, LOWER BRAKE, IS700 - BLK
4	5102463	2	SPACER, .33 X .50 X .25, CZ
5	5101123	2	BEARING, 1/2 FLANGED, PLASTIC BALL
6	5103660	2	SPACER, .32 X .50 X .83, CZ
7	5041930	2	SPACER, .38 X .50 X .27, CZ
8	5021880	1	GRIP, FOAM, .475 X 4.35 X .095
9	5023242	2	SPRING-COMP, .496ID X 3.00LG X .112WR
10	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE
11	5021494	2	SPRING, COMPRESSION, 5-1/2
12	5025390X12	2	BOLT, 3/8-16 X 1-1/2, FLANGE, GD 5, CZ
13	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
14	-----	4	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
15	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE
16	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
17	5025055X10	1	BOLT, 5/16-18 X 1-1/4 GD5 TFL, CZ
18	5025155	2	WASHER, 5/16" SAE
19	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE
20	5025011X12	2	BOLT, 5/16-18 X 1-1/2" GD5 YZ
21	5025011X9	2	BOLT, 5/16-18 X 1-1/8 GD5
22	5104276	2	CABLE, PARKING BRAKE, 31" (787.9 MM)
23	5025032	2	NUT, 5/16-18 HEX
24	5025430	1	CLAMP, 5/16 DOUBLE, WIRE & TUBE -(For stowing the spanner wrench.)
25	-----	1	SEE ELECTRICAL GROUP
26	5410734AA	2	BRACKET, CABLE SUPPORT - BLK
27	5025010X6	2	BOLT, 1/4-20 X 3/4 GD5 YZ
28	5025154	2	WASHER, 1/4 SAE
29	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
30	5415910AA	1	WELD, BRAKE SHAFT, 600/700/125/560 - BLK -(S/N: 2017612395 & Above)
31	80003564	2	BOLT, 1/4-20 X 1.500, GR5, SQ, ZINC/CLEA -(S/N: 2017612395 & Above)
32	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE -(S/N: 2017612395 & Above)
33	5041483	2	SPACER, .25 X .38 X .63, CZ -(S/N: 2017612395 & Above)
34	5025095	2	NUT, 1/4-20 HEX NYLON LOCK -(S/N: 2017612395 & Above)
35	5021029	2	TIE, SELF-LOCKING, 12"
36	5025337	2	WASHER, 5/16" USS
37	5025156	2	WASHER, 3/8 SAE

Rear Bumper & ROPS Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

IMPORTANT NOTE:
Contact the Service Department
at 1-800-933-6175 ext. 709 for ROPS
replacement parts. You must provide the
serial number of the ROPS system.



Rear Bumper & ROPS Group

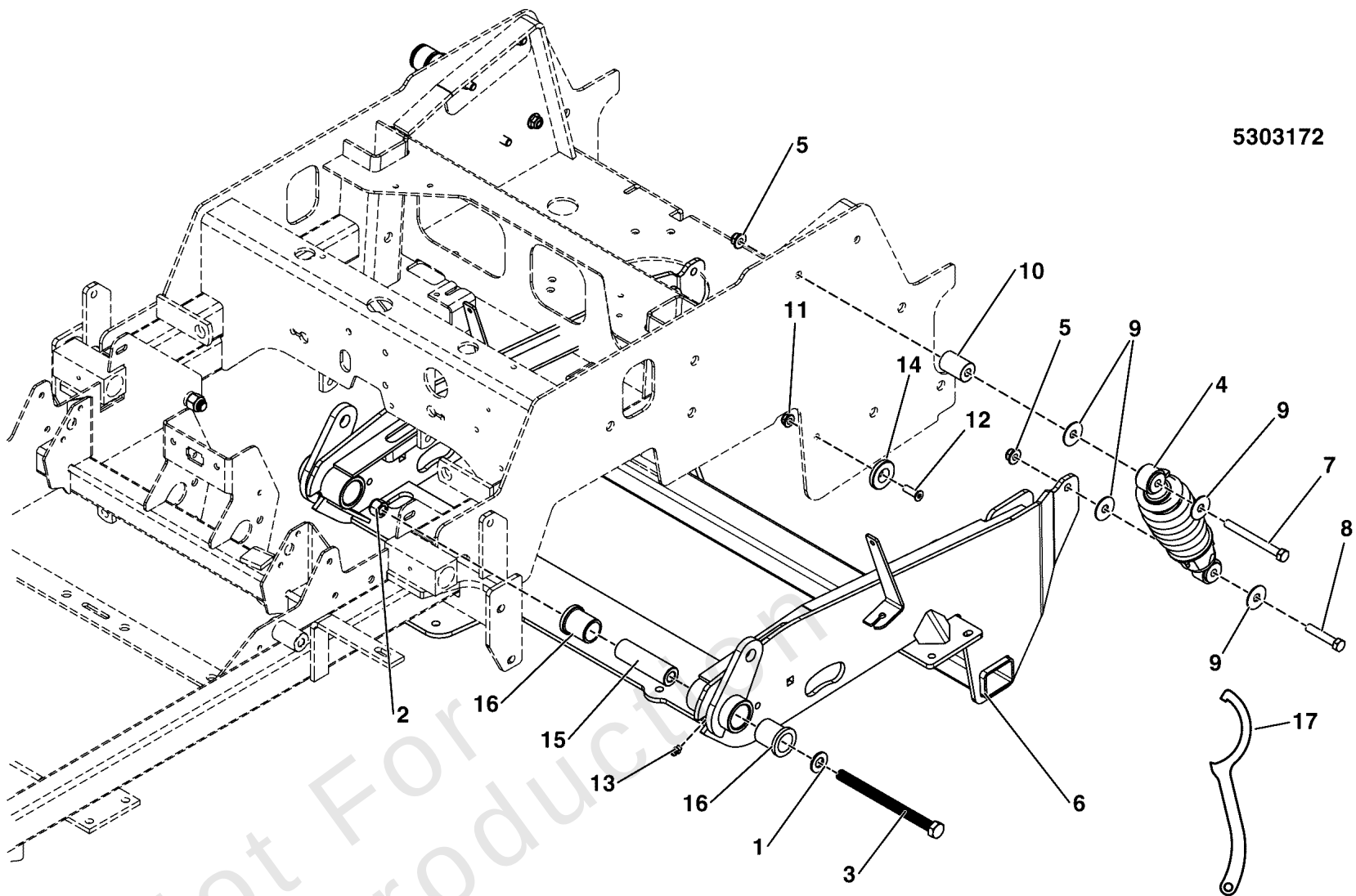
REF NO	PART NO	QTY	DESCRIPTION
1	5410485A	1	PLATE, HEAT SHIELD, IS700 - BLK
2	5410486B	1	PLATE, CARB PROTECTOR - RED
3	5410483B	1	WELD, BUMPER - IS700 - RED
4	-----	1	ROPS (Call 1-800-933-6175 ext. 2193 if replacing a ROPS)
4-1	5100013SM	2	PIN, HITCH, .50 X 3.2
5	5023484	6	PLUG, PANEL, 1.25 - BLACK
6	5025017X10	6	BOLT, 1/2-13 X 1-1/4 GD5 CZ
7	5025017X22	4	BOLT, 1/2-13 X 2-3/4 GD5 CZ
8	5025396	10	NUT, Hex Flange, Nylock, 1/2-13
9	5025158	12	WASHER, 1/2 SAE
10	5025155	4	WASHER, 5/16" SAE
11	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
12	5025011X6	4	BOLT, 5/16-18 X 3/4 GD5
13	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
14	5100139	1	SEAT BELT, RETRACTING - ASSM
15	5100267	2	SCREW, 1/2-13 X 1.00, SHCS
16	5410295A	2	PLATE, SEAT BELT ANCHOR - BLK
17	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
18	5025156	2	WASHER, 3/8 SAE
19	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
20	5103403X1	2	ANTI-RATTLE SPRING, FEMCO #230328972 (SV) -(180 Degree Bend Roll Bar)
21	5105140X1	2	ANTI-RATTLE SPRING, ROPS, 165 DEGREE (SV) -(165 Degree Bend Roll Bar)

Rear Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5303172



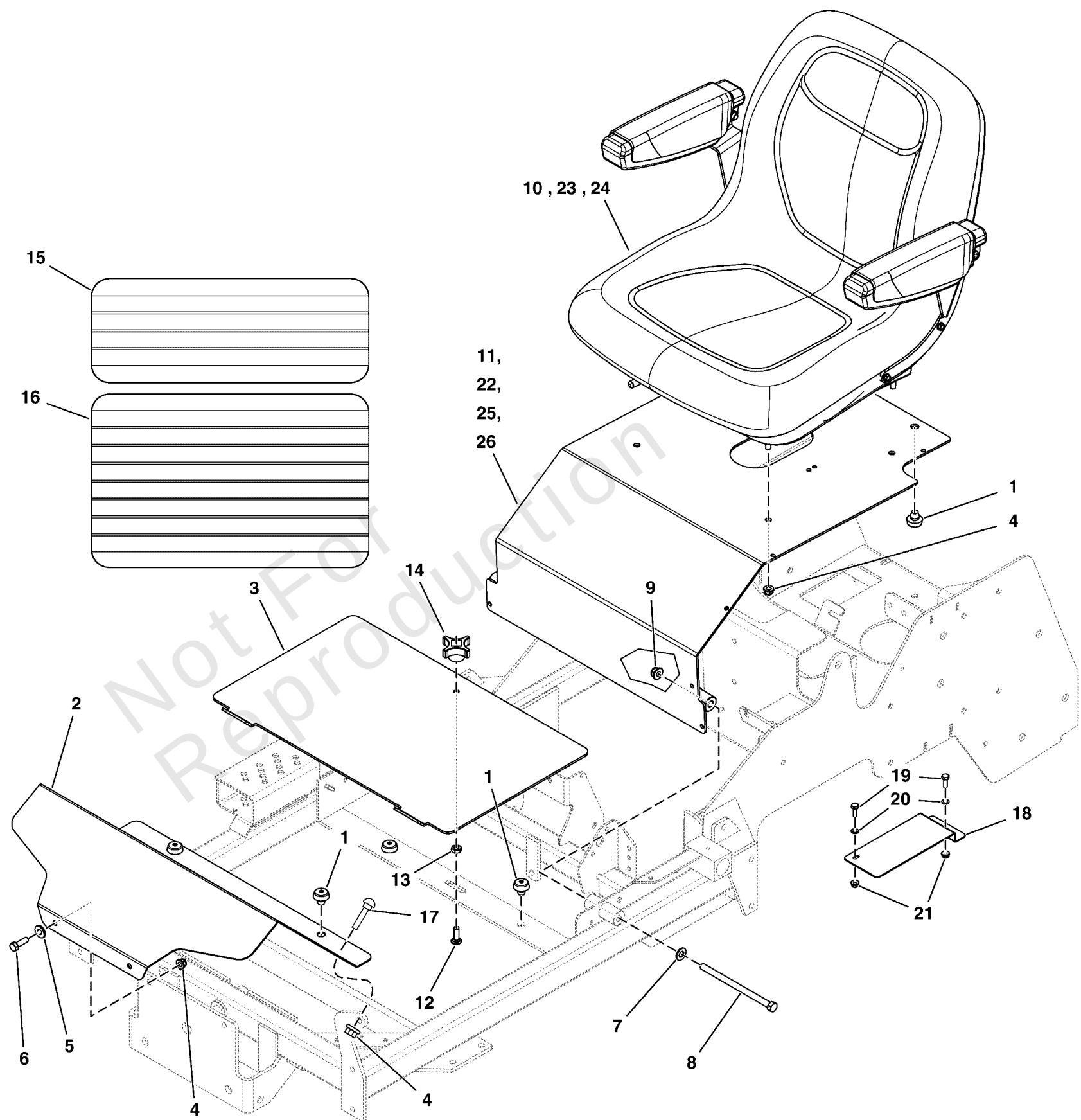
Rear Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1	5025158SM	2	WASHER, 1/2" SAE
2	5025056FS	2	NUT
3	5025017X52SM	2	BOLT, 1/2-13 X 6-1/2"
4	5023436SM	2	SHOCK ABSORBER
5	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
6	84007762	1	CRADLE, Suspension
7	5025013X28SM	2	BOLT, 3/8-16 X 3-1/2"
8	703589	2	CAPSCREW, 3/8-16X2
9	5025165SM	8	WASHER, 3/8" FENDER
10	5103427YP	2	SPACER
11	703115	2	NUT
12	5025594YP	2	SCREW, 5/16-18 X 1
13	5020095SM	2	GREASE FITTING, 1/4-2
14	5102701YP	2	SPACER
15	5061339SM	2	SPACER, .52 X 1.00 X
16	5021541SM	4	BUSHING, FLANGE
17	5022853SM	1	SPANNER WRENCH

Seat Mount & Floor Group - USA & ANSI-EXP Models - S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901388

5303180



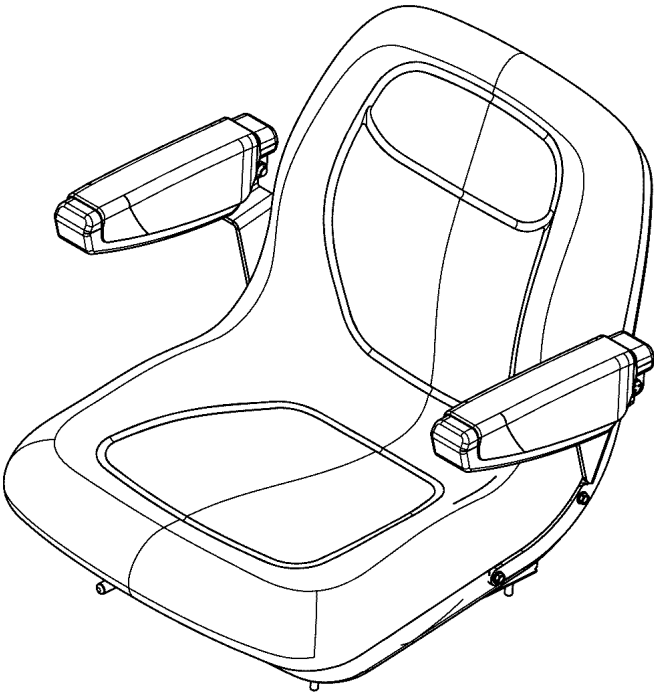
Seat Mount & Floor Group - USA & ANSI-EXP Models - S/N: 2017954955 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	197546	8	MNT, VBRTN, RBBR
2	5410297B	1	PLATE, FLOOR, RIDGID, IS700 - RED
3	5410296B	1	PLATE, FLOOR, REMOVABLE, IS700 - RED
4	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
5	5025155	2	WASHER, 5/16" SAE
6	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
7	5025156	2	WASHER, 3/8 SAE
8	5025013X44	2	BOLT, 3/8-16 X 5-1/2" GD5 CZ
9	5025394	2	NUT, 3/8-16 HEX NYLOCK FLANGE
10	5061599	1	SEAT, XB-180, NO LOGO, BLACK -(S/N: 2017202281 & Below)
11	5600650	1	ASSM, SEAT PLATE W/DECALS - IS700Z (5409985B) -(SV)(USA Models - S/N: 2017612394 & Below)
12	5025145X10	1	BOLT, 5/16-18 X 1-1/4, CARRIAGE YZ
13	80003675	1	NUT, 5/16-18, GR8, HEX, CNTR LK, ZINC/CL
14	1670578	1	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
15	5101374	1	SAFETY WALK, FLOOR REST, 6.00 X 16.00
16	5101333	1	SAFETY WALK, FLOOR PLATE, S50X, 10X16
17	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
18	5410611A	1	PLATE, SEAT BELT GUARD, IS700 - BLK
19	5025299X8	2	SCREW, 1/4-20 X 1, ALLEN BH, CZ
20	5025154	2	WASHER, 1/4 SAE
21	5025391	2	NUT, 1/4-20, NYLOCK FLANGE
22	5600676	1	ASSM, SEAT PLATE W/DECALS - IS700Z, ANSI-EXP (5409985B) -(SV)(Export Models - S/N: 2017612394 & Below)
23	5104741	1	SEAT, 907 SEAT INC -(S/N: 2017202282 - 2017612394)
24	5105039	1	SEAT, 907 WITH ARM RESTS W/ SWITCH -(S/N: 2017612395 & Above)
25	5600989	1	ASSM, SEAT PLATE W/DECAL (5416034B) -(SV)(USA Models - S/N: 2017612395 & Above)
26	5601059	1	ASSM, SEAT PLATE W/DECALS, EXP (5416034B) -(SV)(Export Models - S/N: 2017612395 & Above)

Seat SERVICE PARTS

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



Seat (P/N: 5061599)
Service Parts:

- 1 - Kit, Arm Rest
- 2 - Spring, Seat Adjustment
- 3 - Kit, Seat Rails

5061599
5104741
5105039

Seat (P/N: 5104741)
Service Parts:

- 4 - 4" SL Track Set, 9" Flat
- 5 - Black Selfskin-Arm Pad Only
- 6 - Back Assembly
- 7 - Cushion Assembly
- 8 - Arm Bracket (w/Pad & Hdwr)
- 9 - Delta Switch (NC)

Seat (P/N: 5105039)
Service Parts:

- 10 - 4" SL Track Set, 9" Flat
- 11 - Back Assembly
- 12 - Cushion Assembly
- 13 - Arm Asm, LH & RH, C13 Seat
- 14 - Arm Pad, C13 Seat
- 15 - Seat Switch
- 16 - Seat Switch, w/ Twist-In Assembly

Seat SERVICE PARTS

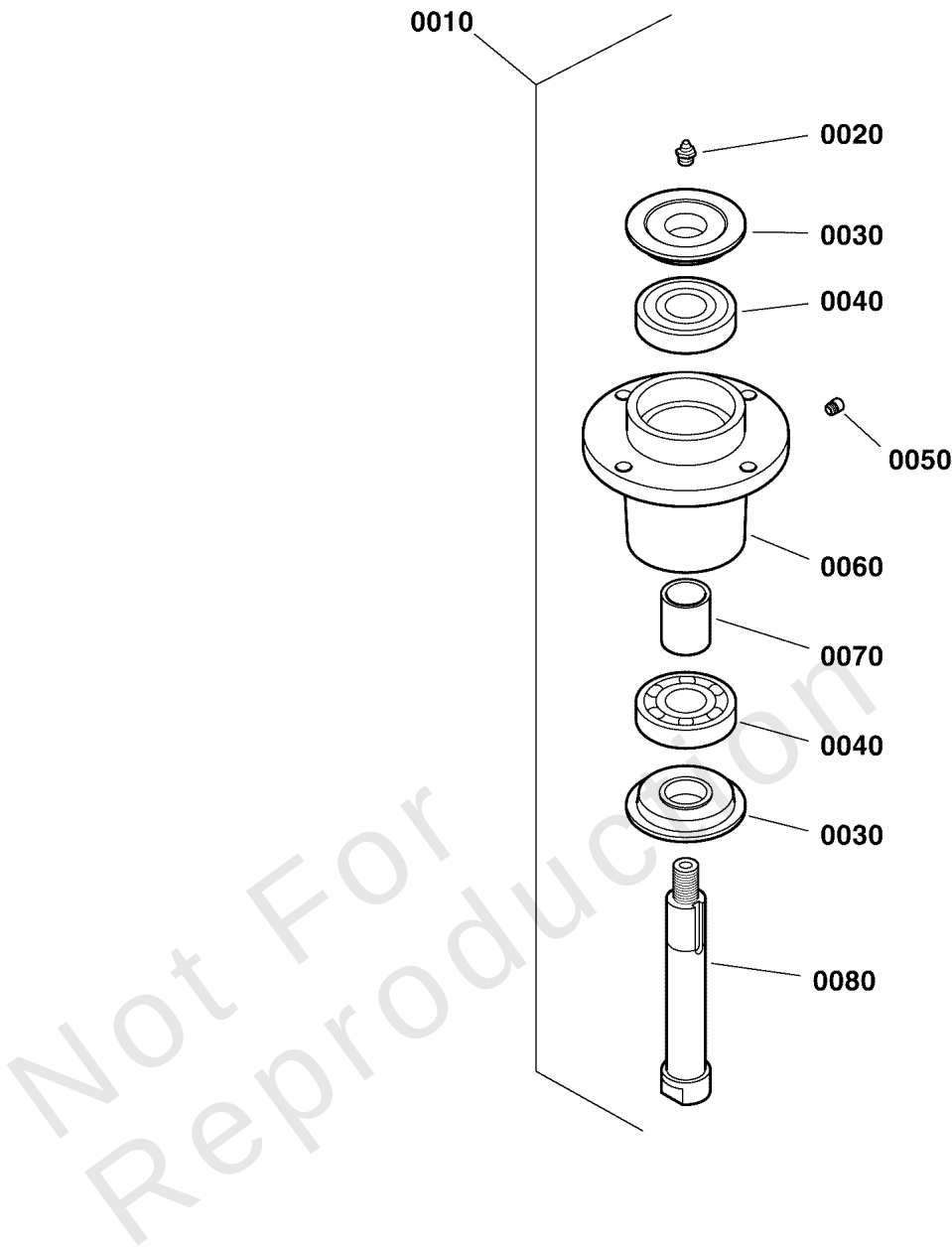
REF NO	PART NO	QTY	DESCRIPTION
1	1686907	1	ARMREST KIT
2	5100652	1	SPRING, EXTENSION, SEAT ADJUSTMENT (BLK OR SLVR)
3	5061599X1	1	SEAT RAIL, KIT, RH AND LH
4	5104741X1	1	4" SL TRACK SET - 9" FLAT - W/HDWR
5	5022185	1	ARM REST, BLACK MOLDED, PAD ONLY
6	5104741X3	1	BACK ASSEMBLY FOR 907
7	5104741X4	1	CUSHION ASSEMBLY FOR 907
8	5104741X5	1	ARM BRACKET W/PAD & HARDWARE
9	5104741X6	1	DELTA SWITCH - NORMALLY CLOSED
10	5104741X1	1	4" SL TRACK SET - 9" FLAT - W/HDWR
11	5104741X3	1	BACK ASSEMBLY FOR 907
12	5104741X4	1	CUSHION ASSEMBLY FOR 907
13	5105039X1	1	KIT, ARMREST (185872VN1328)
14	5104681X4	1	ARM PAD, C13 SEAT
15	7023354	1	SWITCH, SEAT
16	5100541	1	SWITCH, NC, W/ TWIST-IN BASE

Spindle SERVICE PARTS - 5061095

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388

5061095



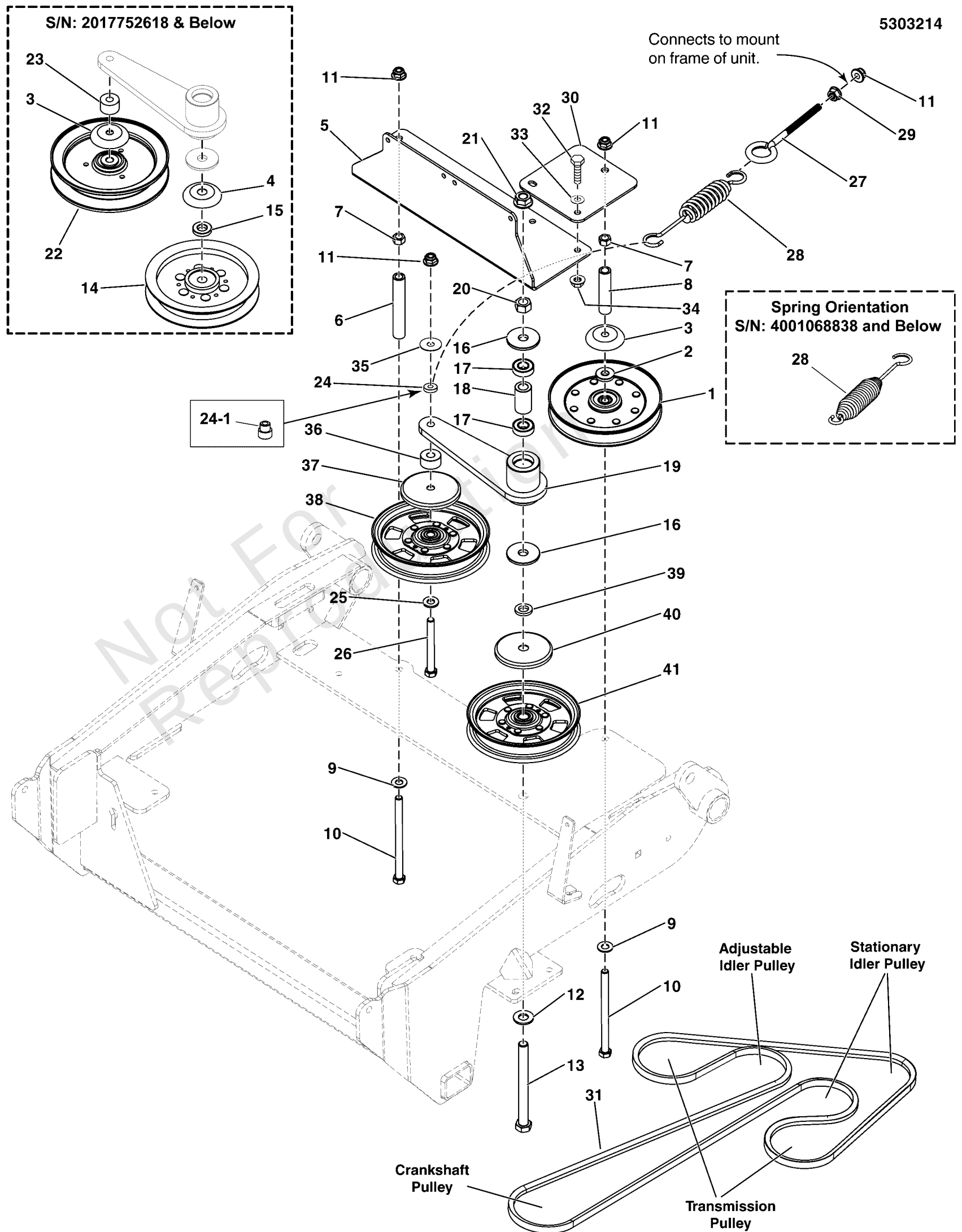
Spindle SERVICE PARTS - 5061095

REF NO	PART NO	QTY	DESCRIPTION
0010	5061095SM	1	ASSM, SPINDLE, LOW PR -(Nut and Washer Sold Seperately) (Includes items #0020 - 0080)
0020	5023329SM	1	FITTING
0030	5049793SM	2	SHIELD, TRASH
0040	5023330SM	2	BEARING, .98 X 2.44 X
0050	5023296SM	1	FITTING, RELIEF, 1-5
0060	5102993YP	1	SUB ASM, SPINDLE, LON -(Includes items #0040 - Qty (2) & #0070 - Qty (1))
0070	5061099SM	1	SPACER
0080	5061098SM	1	SHAFT, SPINDLE

Transaxle Drive Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901388



Transaxle Drive Group

REF NO	PART NO	QTY	DESCRIPTION
1	5103792YP	1	PULLEY, IDLER-V
2	5101965	1	SPACER, .390 X 1.00 X .188, CZ
3	5103787	1	SHIELD, BEARING PULLEY, 3/8ID -(Qty: 2 - S/N: 2017752618 & Below)
4	5101103	1	SHIELD, PULLEY BEARING -(S/N: 2017752618 & Below)
5	5410310A	1	PLATE, RESERVOIR MOUNT - BLK
6	5103763	1	SPACER, .39 X .63 X 4.06, CZ
7	5025034	2	NUT, 3/8-16 HEX
8	5103765	1	SPACER, .39 X .63 X 2.81, CZ
9	5025156	2	WASHER, 3/8 SAE
10	5025013X44	2	BOLT, 3/8-16 X 5-1/2" GD5 CZ
11	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
12	5025158	1	WASHER, 1/2 SAE
13	5025017X44	1	BOLT, 1/2-13 X 5-1/2 GD5 YZ
14	5103764	1	PULLEY, IDLER 5"OD .500ID, .75W STL -(S/N: 2017752618 & Below)
15	5100520	1	SPACER, .52 X 1.00 X .22, PM, CZ -(S/N: 2017752618 & Below)
16	5103262	2	SPACER, IDLER ARM, 1/2"
17	7078243	2	BEARING, BALL, AXLE
18	5103812	1	SPACER, .52 X .84 X 1.53, PM
19	5412787AA	1	WELD, IDLER ARM, PUMP DRIVE, 6.38 - BLK
20	703340	1	NUT, 1/2-13, GR5, HEX, ZC
21	5025396	1	NUT, Hex Flange, Nylock, 1/2-13
22	5103789	1	PULLEY, C-SEC, V-IDLER, 6.25"ODX3/8ID -(S/N: 2017752618 & Below)
23	5100334	1	SPACER, .39 X 1.00 X .63, CZ -(S/N: 2017752618 & Below)
24	5044960	1	SPACER, .39 X 1.00 X .25, PM, CZ -(S/N: 4001068839 and Above)
24-1	5020923	1	SPACER, Shoulder -(S/N: 4001068838 and Below)
25	5025293	1	WASHER, 3/8 GD.9 FLAT
26	5025013X28	1	BOLT, 3/8-16 X 3-1/2" GD5 CZ -(S/N: 4001068838 and Below)
26	5025013X22	1	BOLT, 3/8-16 X 2-3/4" GD5 CZ -(S/N: 4001068839 and Above)
27	5021812	1	EYE BOLT, 3/8-16 X 6, 3.0 THREAD
28	5100632	1	SPRING-EXT, 1.25OD X 9.3LG X .142WR, BLK -(coil-to-coil spring measurement: 5-3/4")
29	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE
30	5410589AYP	1	PLATE, Support
31	5103653	1	BELT, A-SEC, 114.3"EL, ARAMID, WRPD
32	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
33	5025155	2	WASHER, 5/16" SAE
34	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
35	5025165	1	WASHER-3/8 FENDER
36	5046860	1	SPACER, .39 X 1.00 X .50, PM, CZ -(S/N: 2017752619 & Above)
37	5105146	1	SHIELD, BEARING, 3/8ID X 2-7/8OD, CZ -(S/N: 2017752619 & Above)
38	5105098	1	PULLEY, FLT IDLER, 5.0 X .75 X .38, CZ -(S/N: 2017752619 & Above)
39	5104239	1	SPACER, .52 X .88 X .14, BZ -(S/N: 2017752619 & Above)

Mfg. No: 5901388



Transaxle Drive Group

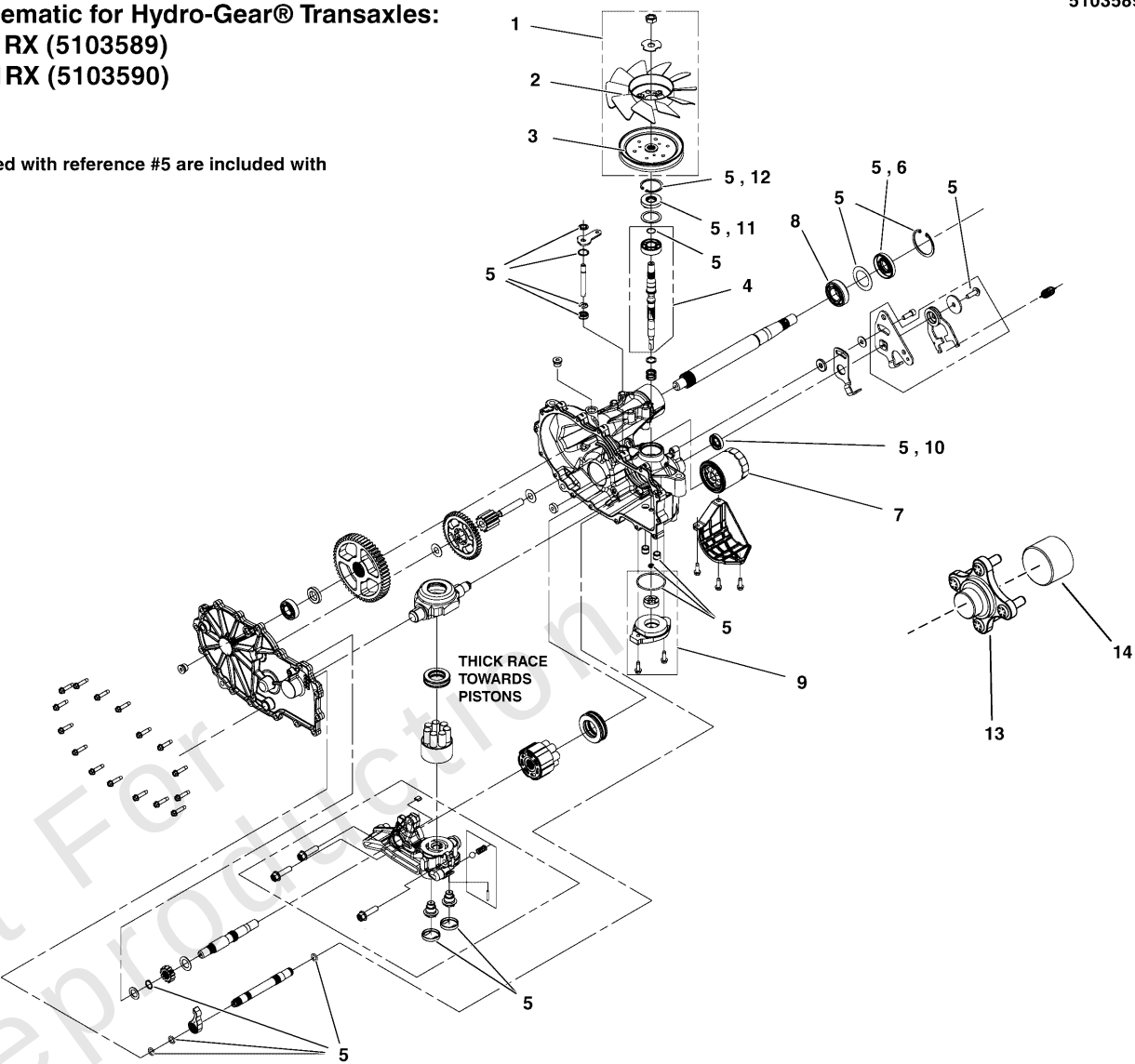
REF NO	PART NO	QTY	DESCRIPTION
40	5105145	1	SHIELD, BEARING, 1/2ID X 2-7/8 OD, CZ -(S/N: 2017752619 & Above)
41	5105101	1	PULLEY, FLT IDLER, 5.0 X .75 X .50SH, CZ -(S/N: 2017752619 & Above)

Not For Reproduction

Service Parts Schematic for Hydro-Gear® Transaxles:
ZS-KHEF-8T7C-11RX (5103589)
ZS-GHEF-8T7B-11RX (5103590)

5103589SV

All components identified with reference #5 are included with the seal kit.



Transaxle SERVICE PARTS - ZT3400 (5103589_5103590)

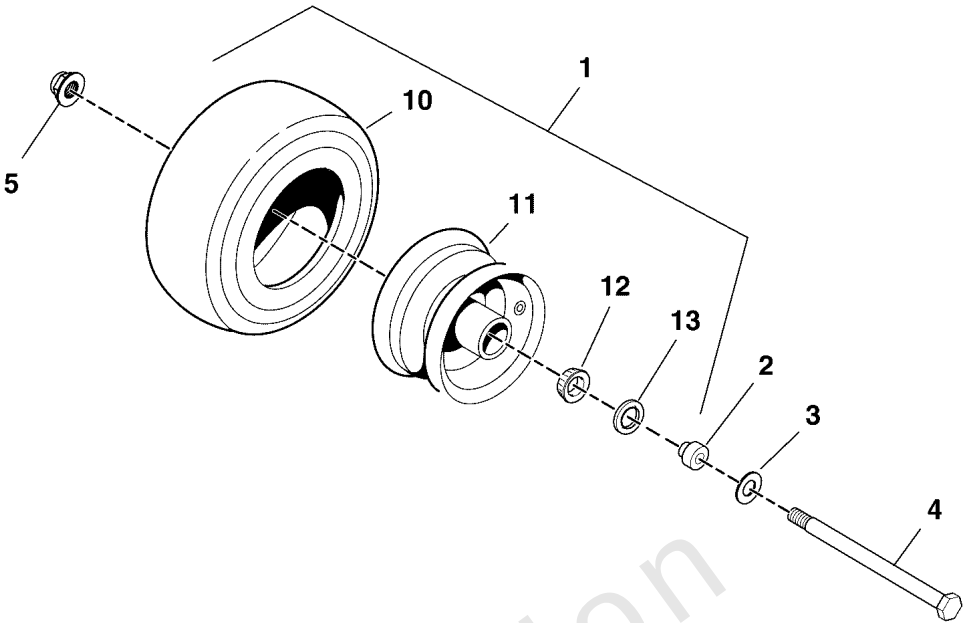
REF NO	PART NO	QTY	DESCRIPTION
1	5103589X3	0	KIT, FAN & PULLEY - -HG# 71907
2	5103589X5	0	FAN, 7.0 - -HG# 52747
3	5103589X6	0	KIT, PULLEY 5.0 - -HG# 53435
4	5103589X4	0	KIT, INPUT SHAFT (BEARING AND SHAFT ONLY) -HG# 71978
5	5103589X2	0	KIT, SEAL - HG# 73239 -HG# 71976
6	5103589X1	0	KIT, SEAL, AXLE - HG# 53699 -HG# 53699
7	5101026X1	0	FILTER, OIL, ZT2800 -HG# 52114
8	5101026X5	0	BEARING BALL, 1.0 X 52 X 15 OPEN 6205M -HG# 53656
9	5101026X12	0	KIT, CHARGE PUMP, ZT2800, ZT3100 -HG# 71977
10	5101026X2	0	SEAL, CONTROL ARM, 18X32X7, #51140 -HG# 51140
11	5100161X3	0	OUTPUT SHAFT SEAL, 17X40X7, HR #51161 -HG# 51161
12	5101026X4	0	RING, RET 2.06 INT, -HG# 50329
13	5103589X8	0	ASSM, HUB -HG# 71405
14	5103589X7	0	AXLE CAP, -HG# 53088
15	5104471X1	0	SEAL, .375 X .750 X .25 LIP, H/G 51626 -HG# 51626
1000	5104580X4	1	KIT, PLUG, BRAKE BORE, OUTBOARD

Footnotes:

(All part identified with ref # 5 are included in the Seal Kit.)

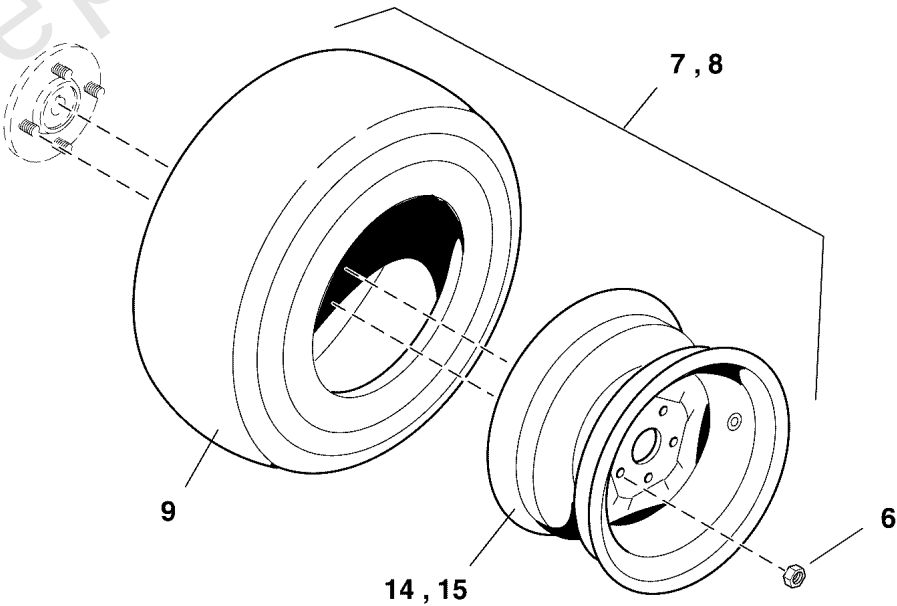
Front Wheels & Tires

5303212
5303174



Inflate to 25 PSI (1,72 bar)

Rear Wheels & Tires



Inflate to 15 PSI (1,03 bar)

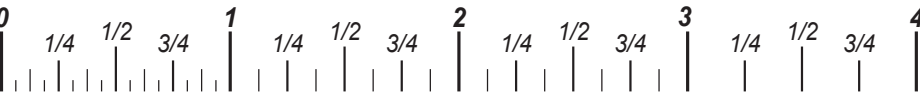
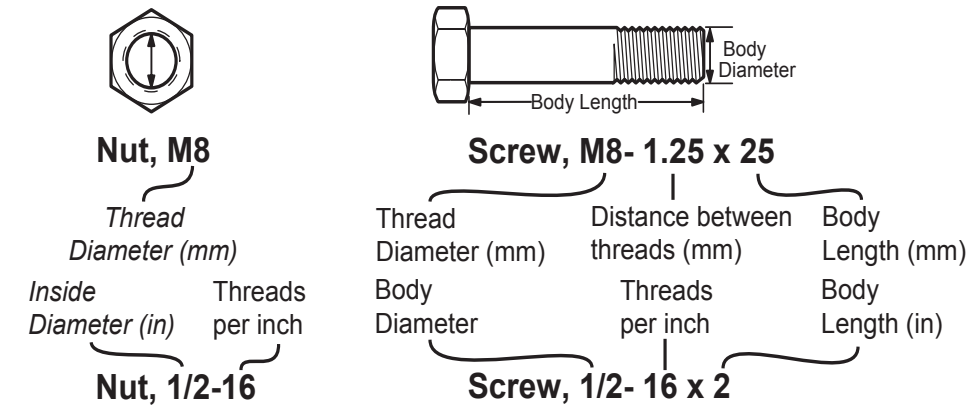
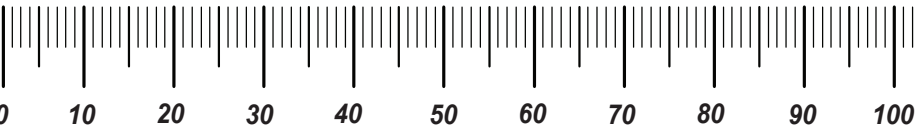
Wheel and Tire Group S/N: 4000771923 and Below

REF NO	PART NO	QTY	DESCRIPTION
1	5022631S	2	TIRE, CASTER, 13 X 5.00-6
2	5047103	4	ADAPTER, CASTER AXLE, CZ -(SV)(Qty: 2 per tire)
3	5025158	2	WASHER, 1/2 SAE
4	5025017X64	2	BOLT, 1/2-13 X 8 GD5 YZ
5	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
6	5020601	8	NUT, 1/2-20, FOR WHEEL BOLT SILVER
7	5103689	2	TIRE/WHEEL ASM, 22X11-10,TM, .781 OFFSET -(Models with 52" mower decks)
8	5103622	2	TIRE/WHEEL ASM, 22X11-10, TURF MASTER -(Models with 61" mower decks)
9	5023369X2	2	TIRE, 22 X 11.00 - 10, 4 PLY -(SV)
10	5022029X1	2	TIRE ONLY -(SV)
11	5022631SX1	2	WHEEL ASSY, 13 X 5 X 6, SILVER -(SV)
12	5022631SX2	4	BEARING, Tapered Roller -(SV)(Qty: 2 per tire)
13	5022631SX3	4	SEAL, GREASE -(SV)(Qty: 2 per tire)
14	5103689X1	2	WHEEL, 10 X 7, .781 POS OFFSET, 4 ON 4 -(Models with 52" mower decks)(SV)
15	5103622X1	2	WHEEL, 10 X 7 4/4, 0" OFFSET -(Models with 61" mower decks)(SV)

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

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



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

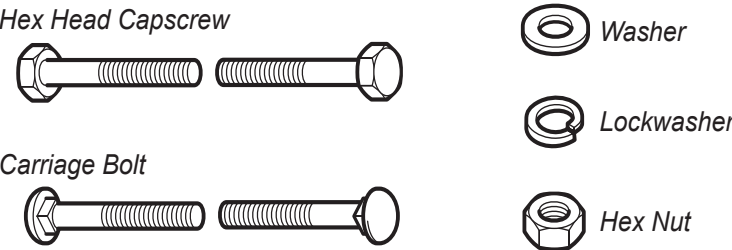
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	29	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types



Wrench & Fastener Size Guide

 1/4" Bolt or Nut Wrench—7/16"	 5/16" Bolt or Nut Wrench—1/2"	 3/8" Bolt or Nut Wrench—9/16"	 7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"	 1/2" Bolt or Nut Wrench—3/4"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm

