



Parts Manual

Mfg. No: 5900527

Cobalt, 32HP Briggs & Stratton w/ 61"
Mower Deck & R.O.P.S.



5049330 - Mulch Kit for ZTR w/ 61" FN Deck s/n: 2013383848 & Below & Procut S w/ 61" FN Deck s/n:	
1692939SM - 50 Lbs. Suitcase Weights.	
3046864 - 3-Bag Hood & Mount.	
5300017 - Bagger Mount Adapter.	
5900800 - FAST-Vac Blower.	
5600347 - 61" 3-Bag Collection System.	
5049330 - Grass Mulcher Kit, 61" Non ICD Mower (Serial Nos. 2013383848 & Below).	
5600322 - Grass Mulcher Kit, 61" ICD Mower (Serial Nos.2013383849 - 2014644342).	
5600528 - Grass Mulcher Kit, 61" ICD Mower (Serial Nos. 2014644343 - 2015340576).	
5300189 - Weight Mount Kit.	
5300250 - Blower Mount, Non ICD 61" Mower Deck.	
5301860 - Blower Mount, ICD 61" Mower.	
5600580 - Grass Mulcher Kit, 61" ICD Mower (Serial Nos. 2015340577 & Above).	

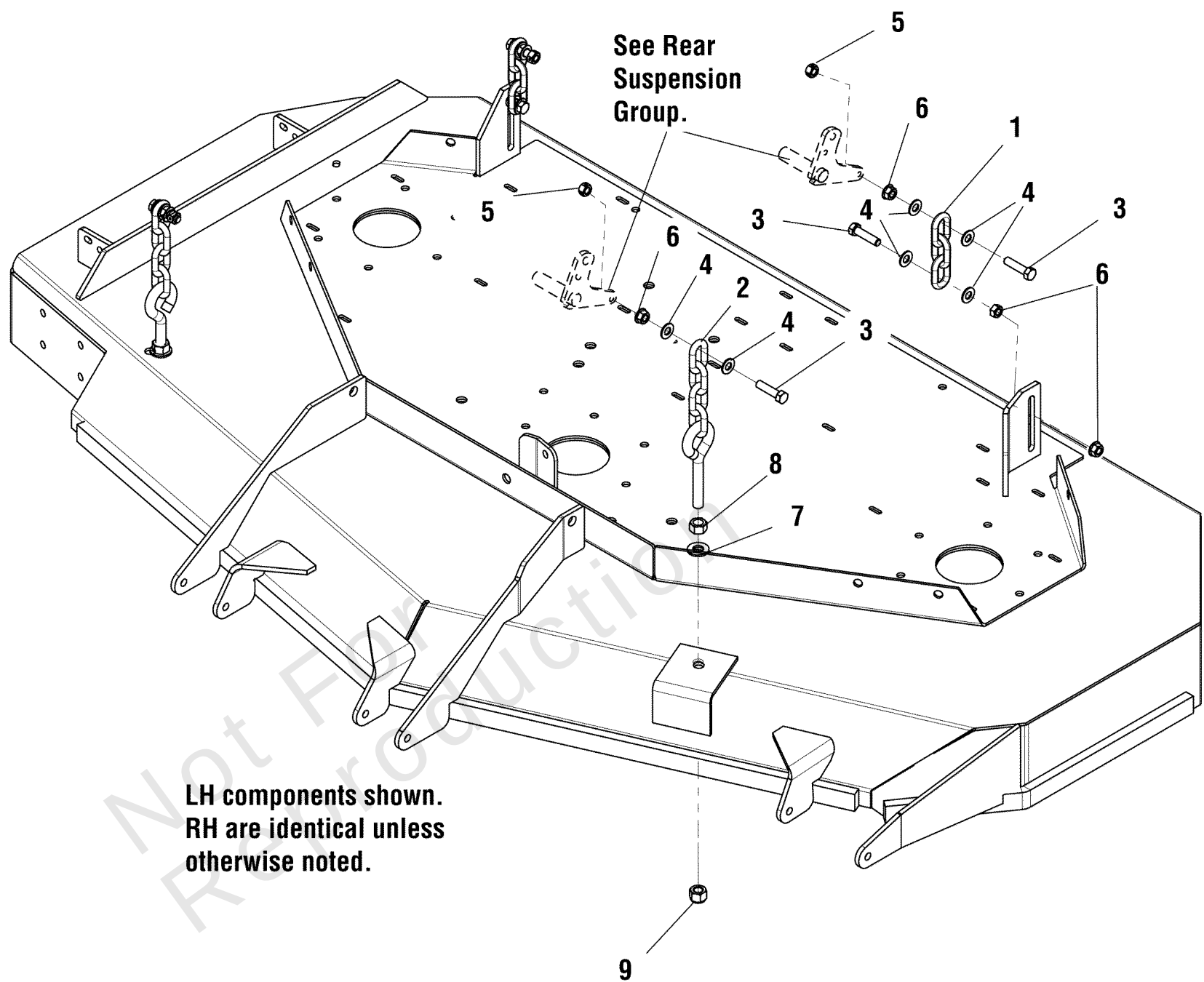
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61" Mower Deck - Hanger Chains

Note: Unless noted otherwise, use the standard torque specifications

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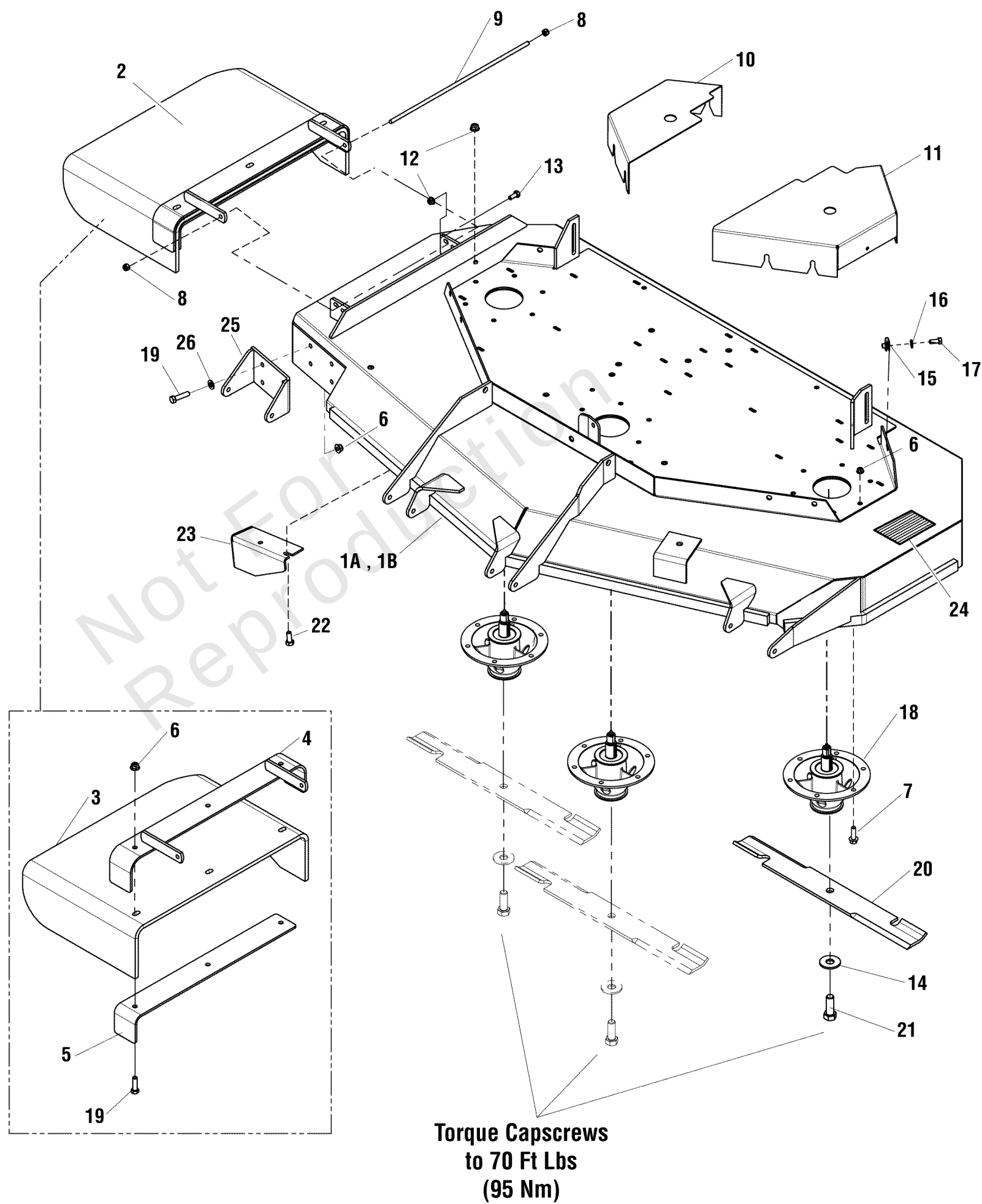
61" Mower Deck - Hanger Chains

REF NO	PART NO	QTY	DESCRIPTION
1	5050878X3	2	CHAIN, 5/16 GD30, 3 LINKS
2	5104303YP	2	HANGER, FRONT DECK -
3	5025013X14	6	BOLT, 3/8-16 X 1-3/4" GD5 CZ
4	5025156	12	WASHER, 3/8 SAE
5	5025128	8	NUT, 3/8-16 HEX SERRATED FLANGE
6	5025100	4	NUT, 3/8-16 HEX SIDE LOCK
7	5025158	2	WASHER, 1/2 SAE
8	5025038	2	NUT, 1/2-13 HEX
9	5025396	2	NUT, Hex Flange, Nylock, 1/2-13

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

Note: Unless noted otherwise, use the standard torque specifications

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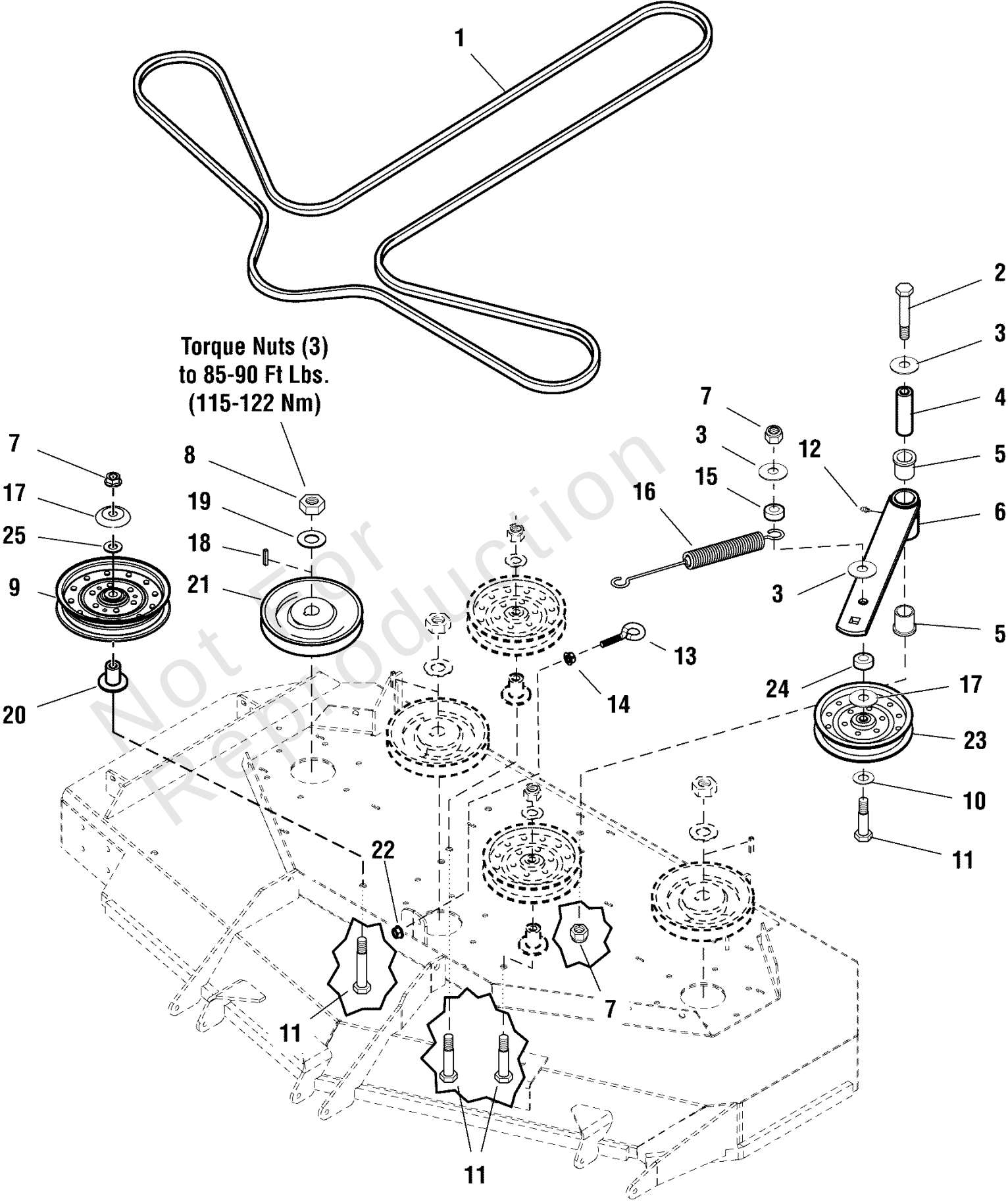
61" Mower Deck - Housing, Covers, Spindles & Blades

REF NO	PART NO	QTY	DESCRIPTION
1A	5600292	1	DECK SHELL W/DECALS, 61" SIDE DISCHARGE -(S/N: 2014344991 & BELOW)
1B	5600426	1	DECK SHELL W/DECALS, 61" SIDE DISCHARGE -(S/N: 2014344992 & ABOVE)
2	-----	1	PURCHASE INDIVIDUAL REPLACEMENT PARTS -(Includes Ref No. 3 - 7)
3	5404834YP	1	CHUTE, Discharge
4	5404716AYP	1	FRAME CHUTE, 61
5	5408018AYP	1	SUPPORT, Discharge Chute
6	5025394	21	NUT, 3/8-16 HEX NYLOCK FLANGE -(Qty: 25 - S/N: 2016399222 & Below)
7	5025390X8	18	BOLT, 3/8-16 X 1, FLANGE, GD 5, CZ
8	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
9	5061300	1	ROD MOUNT, CHUTE 61"
10	5400791C	1	GUARD, 61", RH - ORANGE
11	5400792C	1	GUARD, 61" - LH - ORANGE
12	5025392	3	NUT, 5/16-18 HEX NYLOCK FLANGE
13	1930591SM	1	SCREW-HEX WZ LOCK FLNG 5/16-18X0.750BLK
14	5025477	3	WASHER, 5/8" GRADE 8, YZ
15	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
16	5025292	6	WASHER, 5/16" GD.9 FLAT
17	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
18	5100993	3	ASSM, SPINDLE, CAST IRON
19	5025013X12	3	BOLT, 3/8-16 X 1-1/2" GD5 CZ -(Qty: 7 - S/N: 2016399222 & Below)
20	5101755S	1	BLADE, 21 X .25 X 2.5, 1 X 3.5 (SET OF 3) -(Set of three blades).
21	5025320X14	3	BOLT, 5/8-11 X 1-3/4" GD8
22	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
23	5401344A	1	PLATE, DEFLECTOR - BLK
24	5101005	1	SAFETY WALK, 9.75 X 6.00
25	5408810C	1	PLATE, BRACKET, ANTI SCALP - ORANGE -(S/N: 2016399222 & Below)
26	5025156	4	WASHER, 3/8 SAE -(S/N: 2016399222 & Below)

61" Mower Deck - Pulleys, Belts & Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

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61" Mower Deck - Pulleys, Belts & Idler Arm

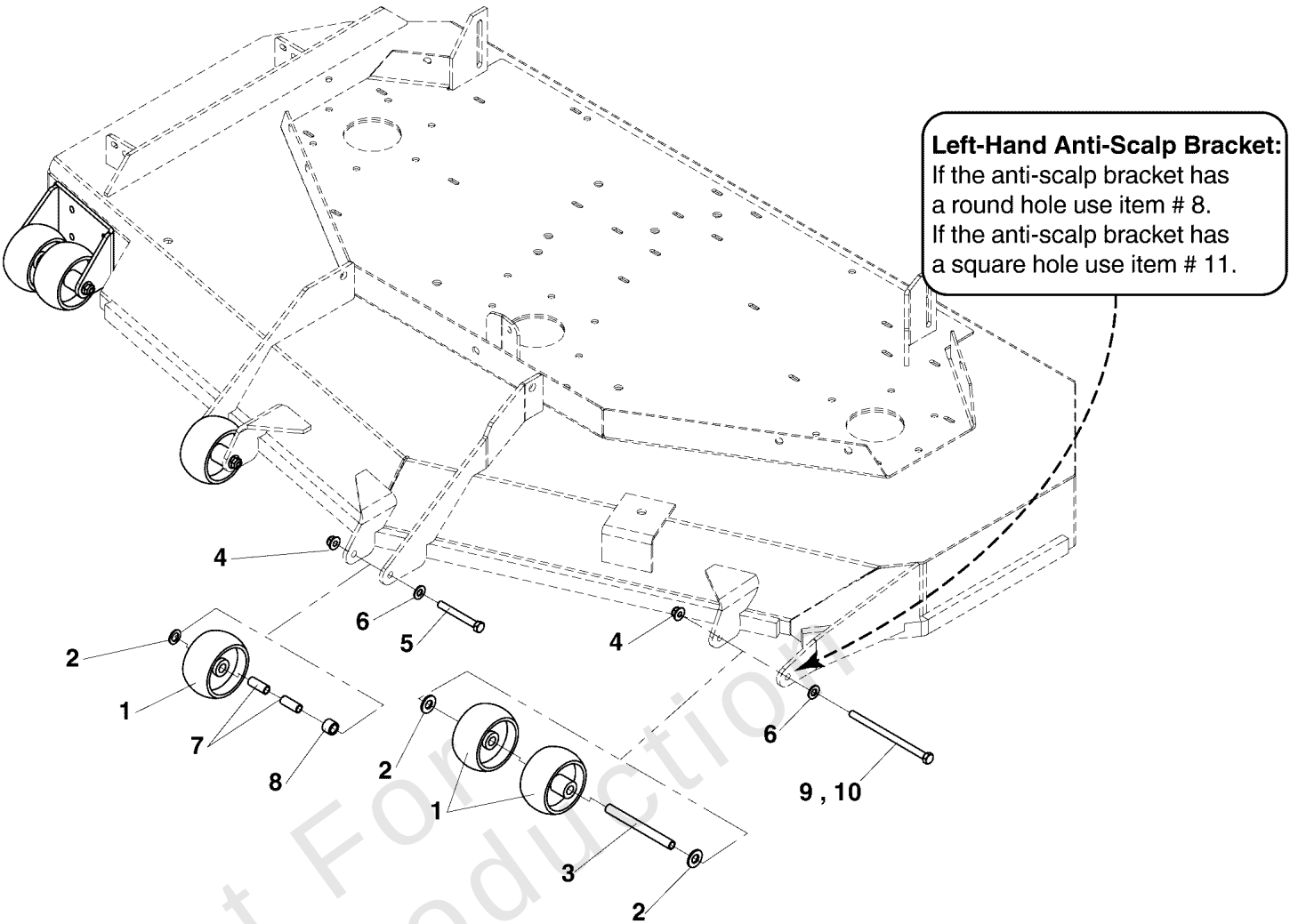
REF NO	PART NO	QTY	DESCRIPTION
1	5103871YP	1	BELT, 5V, 175.90EL, L
2	5025017X36	1	BOLT, 1/2-13 X 4-1/2" GD5
3	5025150	3	WASHER, 1/2" USS
4	5045022	1	SPACER, .52 X 1.00 X 3.50
5	5021541	2	BUSHING, FLANGE
6	5407365	1	IDLER ARM ASSM
7	5025396	5	NUT, Hex Flange, Nylock, 1/2-13
8	5025405	3	NUT, 3/4-16 HEX
9	-----	3	Replace with: Pulley #5104717YP & Debris Shield #5105145YP -*If not present, order 5025158SM - washer and 5101103SM - shield.
10	5025440	4	WASHER, 1/2" GD9 YZ
11	5025017X24	4	BOLT, 1/2-13 X 3" GD5 CZ
12	5020095	1	GREASE FITTING, 1/4-28 STRAIGHT
13	5021812SM	1	EYE BOLT, 3/8-16 X 4-
14	5025084	2	NUT, 3/8-16 HEX JAM
15	5044609	2	SPACER, .52 X 1.00 X .38
16	5023340	1	SPRING, EXTENSION, SWIVEL END
17	5101103	4	SHIELD, PULLEY BEARING
18	5050407X5	3	KEY, 1/4" SQ. X 1-1/4
19	5025406	3	WASHER, 3/4" BELLEVILLE
20	5103430	3	IDLER MOUNT
21	5100700	3	PULLEY, 6.5 EOD X 25MM, SPLIT
22	5025394	1	NUT, 3/8-16 HEX NYLOC
23	-----	1	USE 5104716YP PULLEY + 5105145YP SHIELD
24	5101162	1	SPACER, .52 X 1.00 X .56, CZ
25	5025158	3	WASHER, 1/2 SAE

61" Mower Deck - Rollers

Note: Unless noted otherwise, use the standard torque specifications

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4326RL0



61" Mower Deck - Rollers

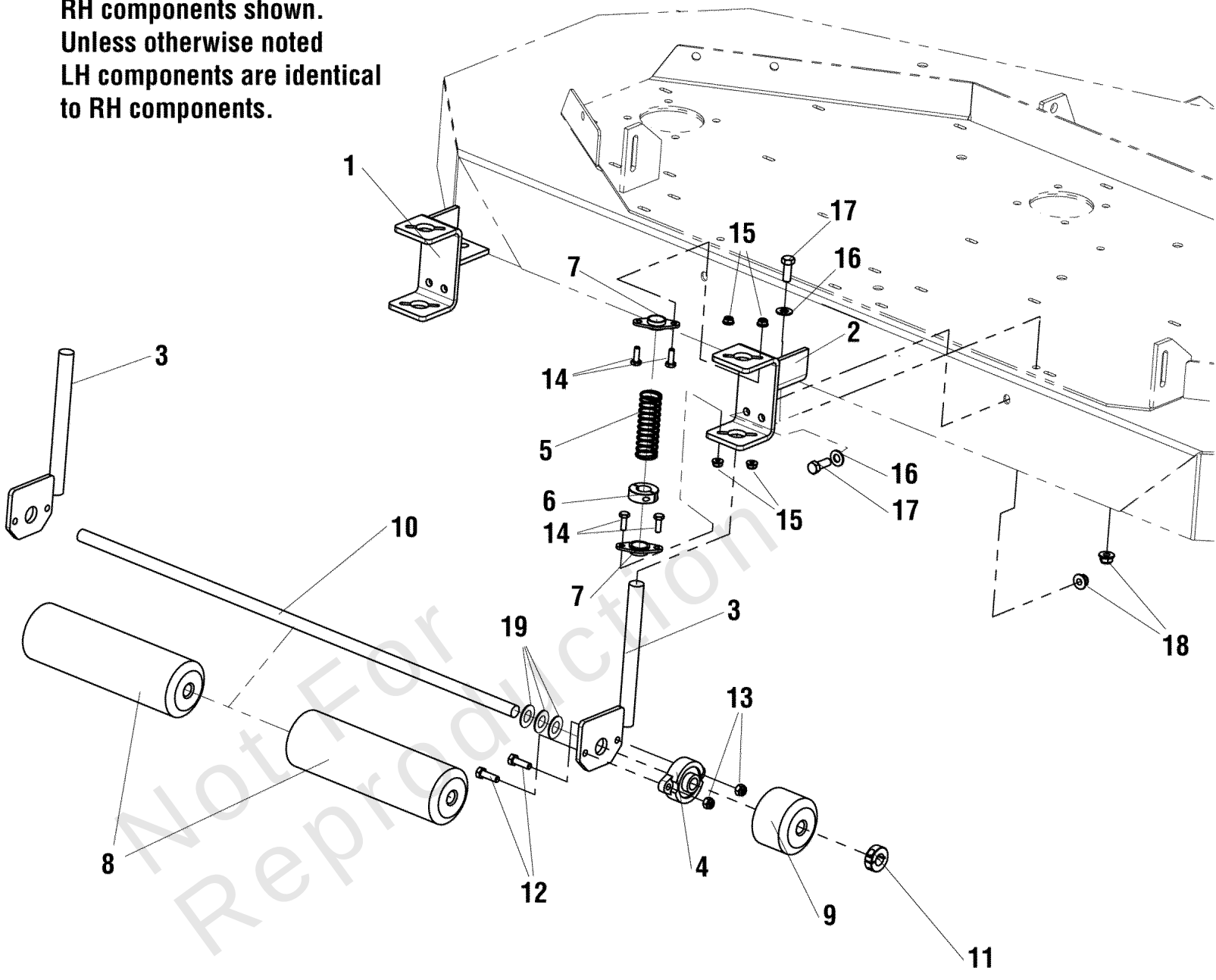
REF NO	PART NO	QTY	DESCRIPTION
1	1714760	6	GAUGE WHEEL
2	5025440	6	WASHER, 1/2" GD9 YZ
3	5046586	2	SPACER, .38 X .50 X 5.06
4	5025100	4	NUT, 3/8-16 HEX SIDE LOCK
5	5025013X24	2	BOLT, 3/8-16 X 3" GD5 CZ
6	5025156	4	WASHER, 3/8 SAE
7	5041931	4	SPACER, .38 X .50 X 1.25, CZ
8	5047027	2	SPACER, .51 X .75 X .56
9	5025013X48	2	BOLT, 3/8-16 X 6" GD5 CZ
10	5025146X48	1	BOLT, CARRIAGE, 3/8-16X6, GD5, CZ

61" Mower Deck - Striping Roller Bar

Note: Unless noted otherwise, use the standard torque specifications

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RH components shown.
Unless otherwise noted
LH components are identical
to RH components.

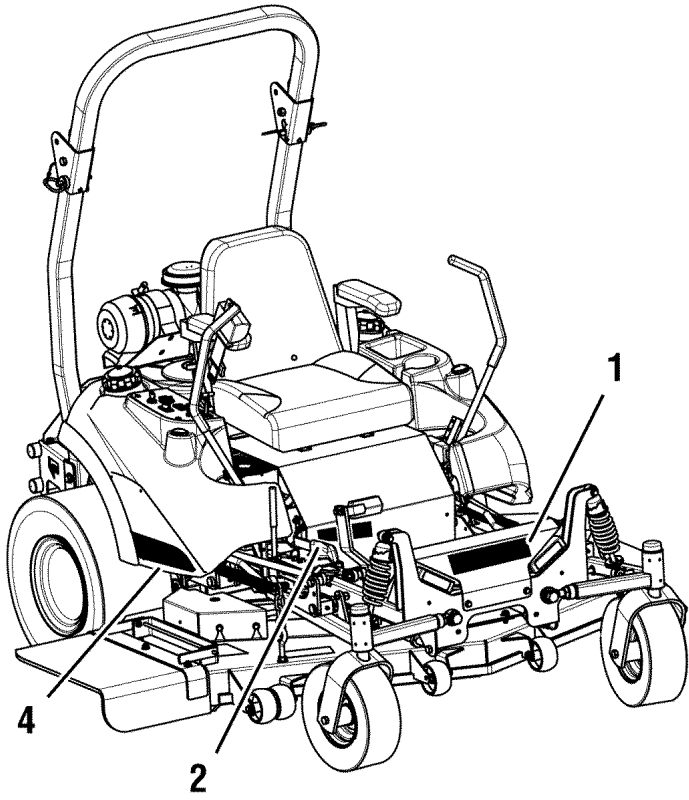


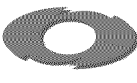
61" Mower Deck - Striping Roller Bar

REF NO	PART NO	QTY	DESCRIPTION
1	5401299C	1	WELD, ROLLER MT, COBALT - RH - ORANGE
2	5401298C	1	WELD, ROLLER MT, COBALT - LH - ORANGE
3	5401301C	2	WELD, ROLLER SLIDE
4	5022846	2	BEARING, FLANGE, 5/8
5	5022401	2	SPRING, COMPRESSION
6	5020594	2	COLLAR, 3/4" DOUBLE SPLIT
7	5023155	4	BUSHING, FLANGE
8	5020785	2	ROLLER, DECK
9	5100382	2	ROLLER, PLASTIC, .64 X 3.00 X 2.25
10	5401302	1	SHAFT, 5/8 X 28.88
11	5020441	2	COLLAR, 5/8" SPLIT
12	5025011X8	4	BOLT, 5/16-18 X 1" GD5
13	5025057	4	NUT 5/16-18 HEX NYLON LOCK
14	5025010X6	8	BOLT, 1/4-20 X .75 NA
15	703463	8	NUT, GR5, 1/4-20
16	5025156	4	WASHER, 3/8 SAE
17	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
18	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
19	5025281	6	WASHER, 5/8" SAE

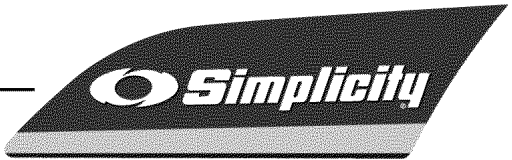
Decals - Brand & Model

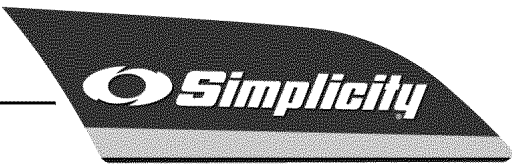
Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5900527



1 ———  **Simplicity**

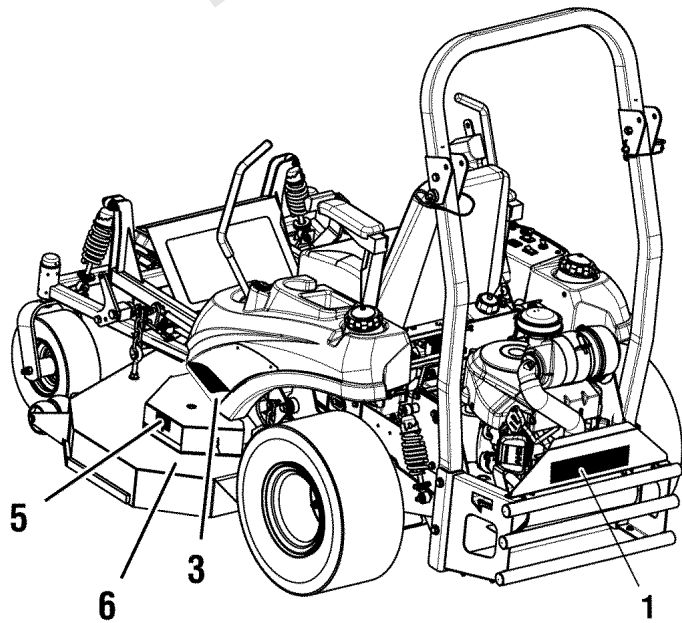
2 ——— **Cobalt**

3 ——— 

4 ——— 

5 ——— **61"**

6 ——— 



Decals - Brand & Model

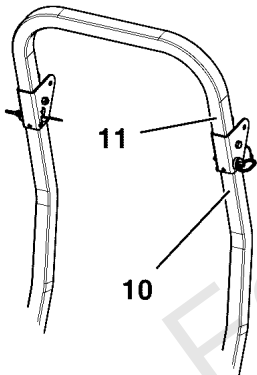
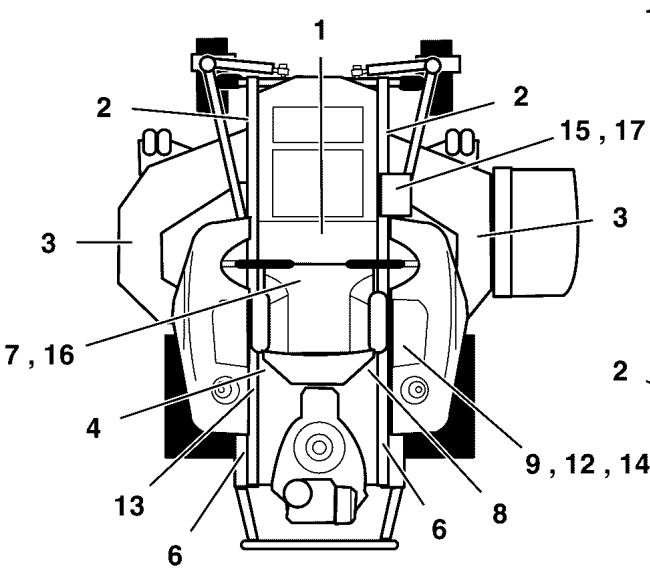
REF NO	PART NO	QTY	DESCRIPTION
1	1722551	2	DECAL, SIMPLICITY LOGO -(Qty: 2 on models w/ carb guards only)
2	5101612	1	DECAL, COBALT
3	5100401	1	DECAL, COBALT, BADGE, LH
4	5100402	1	DECAL, COBALT, BADGE, RH
5	5022813	1	DECAL, 61
6	5102210	1	DECAL, iCD CUTTING SYSTEM
7	-----	1	NO LONGER AVAILABLE - LABEL, BRIGGS & STRATTON LOGO

Decals - Safety & Operation

Note: Unless noted otherwise, use the standard torque specifications

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5301530



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. Debris is combustible.

- Allow engine to cool for at least 3 minutes before refueling.
- Keep unit cleaned of 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

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.
- Go across slopes, NOT up and down.
- Do not operate on slopes over 15 degrees.
- If machine stops forward motion on a slope, stop the blades and drive slowly off the slope.

15° Max.

Water, retaining walls and drop-off hazards

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

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

Wet or soft slope hazard

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

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.

WARNING

Amputation and Pinch Point Hazard

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

TOUCH-UP PAINT PART NUMBERS

13 Oz. Spray Can Paint	1685611
Deep Orange	1686779
Solar Black	1720454

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

ACN 006 578 656

HYDRAULIC OIL RESERVOIR

USE EITHER:

- MOBIL 1[®] 15W-50 OIL
- OR -
- CASTROL SYNTEC[™] 5W-50 OIL

DO NOT USE CONVENTIONAL OILS!

HYDRAULIC OIL RESERVOIR

USE EITHER:

- MOBIL 1[®] 15W-50 OIL
- OR -
- CASTROL SYNTEC[™] 5W-50 OIL

DO NOT USE CONVENTIONAL OILS!

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	PTO	Auxiliary
Switch	Circuit	Clutch	
20A	20A	20A	20A

Belts & Blades

Tractor

Pump Drive Belt	5100555
-----------------	---------

52" Mower

Deck Drive Belt	5103395
Mower Blade	5101756

61" Mower

Deck Drive Belt	5103391
Mower Blade	5101755

Belts & Blades	
Tractor	
Pump Drive Belt	5100555
52" Mower	
Deck Drive Belt	5103395
Mower Blade	5101756
61" Mower	
Deck Drive Belt	5103391
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.

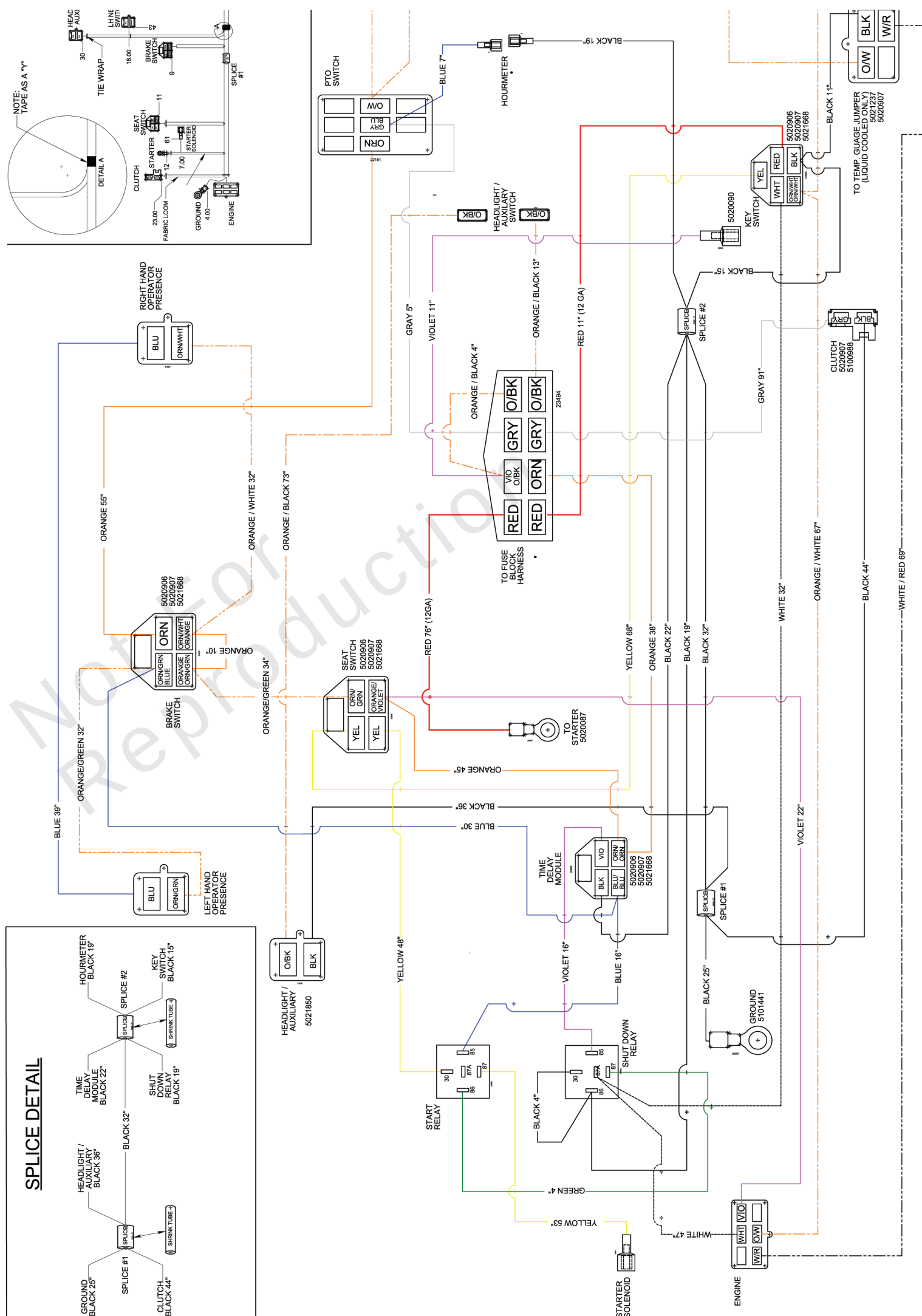
Decals - Safety & Operation

REF NO	PART NO	QTY	DESCRIPTION
1	5103595	1	DECAL, MAIN SAFETY
2	5061245	2	DECAL, PINCH POINT
3	7101665	2	DECAL, DANGER DO NOT OPERATE W/O DEFLECT
4	5103184	2	DECAL, WARNING, HAND IN BELT, ENG ONLY -(S/N: 2015739398 & Above - Located by hydraulic pumps.)
5	1720454	1	DECAL-TOUCH UP PAINT ORANGE,BLACK,RED
6	5100683	2	DECAL, WARNING, ROLL BAR -(Located under seat plate.)
7	5101990	1	DECAL, CZT HYRDO RELEASE
8	5100342	1	DECAL, FUEL VALVE
9	5100280	1	DECAL, THROTTLE CONTROL
10	-----	1	ORDER PART NUMBERS 5104082 & 5104083
11	5100405	1	DECAL, WARNING OVERHANG, ROPS (SV)
12	5048970	1	DECAL, IGNITION SWITCH
13	5048454	1	DECAL, OIL RESEVOIR
14	5046503	1	DECAL, FUSE LOCATION -(Located under seat plate.)
15	5061724	1	DECAL-HEIGHT CITATION -(S/N: 2016364869 & Below)
16	5103398	1	DECAL, BELT & BLADE, COBALT & IS1500ZX -(Located under seat plate.)
17	5103720	1	DECAL, CUT HEIGHT -(S/N: 2016364870 & Above)

Electrical Schematic

Note: Unless noted otherwise, use the standard torque specifications

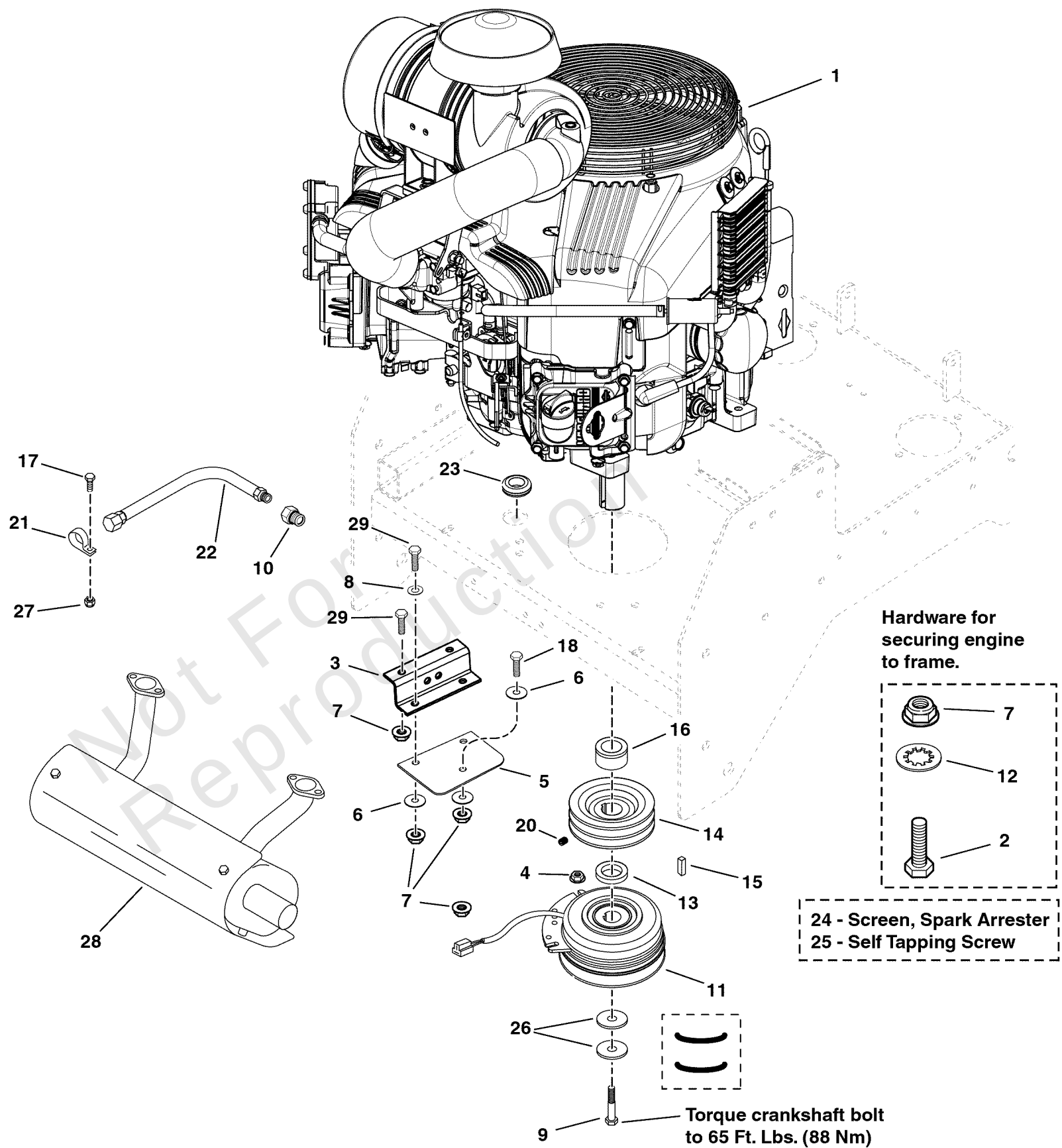
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Electrical Schematic

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction



Engine & PTO Group - Briggs & Stratton - Vanguard

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	* ENGINE, BRIGGS & STRATTON
2	5025011X14	4	BOLT, 5/16-18 X 1-3/4" GD5 YZ
3	5046416A	1	ANCHOR, CLUTCH - BLK
4	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
5	5043636	1	CLUTCH ANCHOR PAD
6	5025165	4	WASHER, 3/8" Fender
7	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
8	5025155	2	WASHER, 5/16" SAE
9	5102865	1	BOLT, CRANKSHAFT, 7/16-20 X 2-3/4, GD8
10	5100366	1	METRIC ADAPTER, M14-1.5" TO 3/8 NPTF
11	5105090	1	CLUTCH WARNER 200 FT-LB 1.13 X 6.323
12	5025188	4	WASHER, 5/16" Internal Tooth Lock
13	5044062	1	SPACER, 1.13 X 1.75 X .50
14	5047075	1	PULLEY, CRANKSHAFT, 1.126 ID X 4.75 OD
15	5050407X8	1	KEY, 1/4 SQ X 1
16	5103626	1	SPACER, 1.13 X 1.75 X 1.09, PM
17	5025010X8	1	BOLT, 1/4-20 X 1" GD5 CZ
18	5025055X18	1	BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ
19	5101492	1	TIE, SELF-LOCKING, 24" -(Not Shown)
20	5025531	1	SET SCREW, 5/16-18 X 3/8, KNUURL, W/PATCH
21	5021500	1	CLAMP, VINYL INSULATED, 1.00
22	5048681	1	HOSE, OIL DRAIN
23	5021379	1	GROMMET, 7/8"
24	842859	1	* SCREEN, SPARK ARRESTER
25	5025470	1	SCREW, SELF-TAP, #8-32 X 3/8. WASH HEX, CZ
26	5025585	2	BELLEVILLE WASHER, 1.1875 X .442 X .098
27	5025391	1	NUT, 1/4-20 Hex Nylock Flange
28	846153	1	MUFFLER
29	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ

Footnotes:

** For models S/N: 2015375705 & Below, when replacing the clutch, the jumper harness (#5403576) is required.

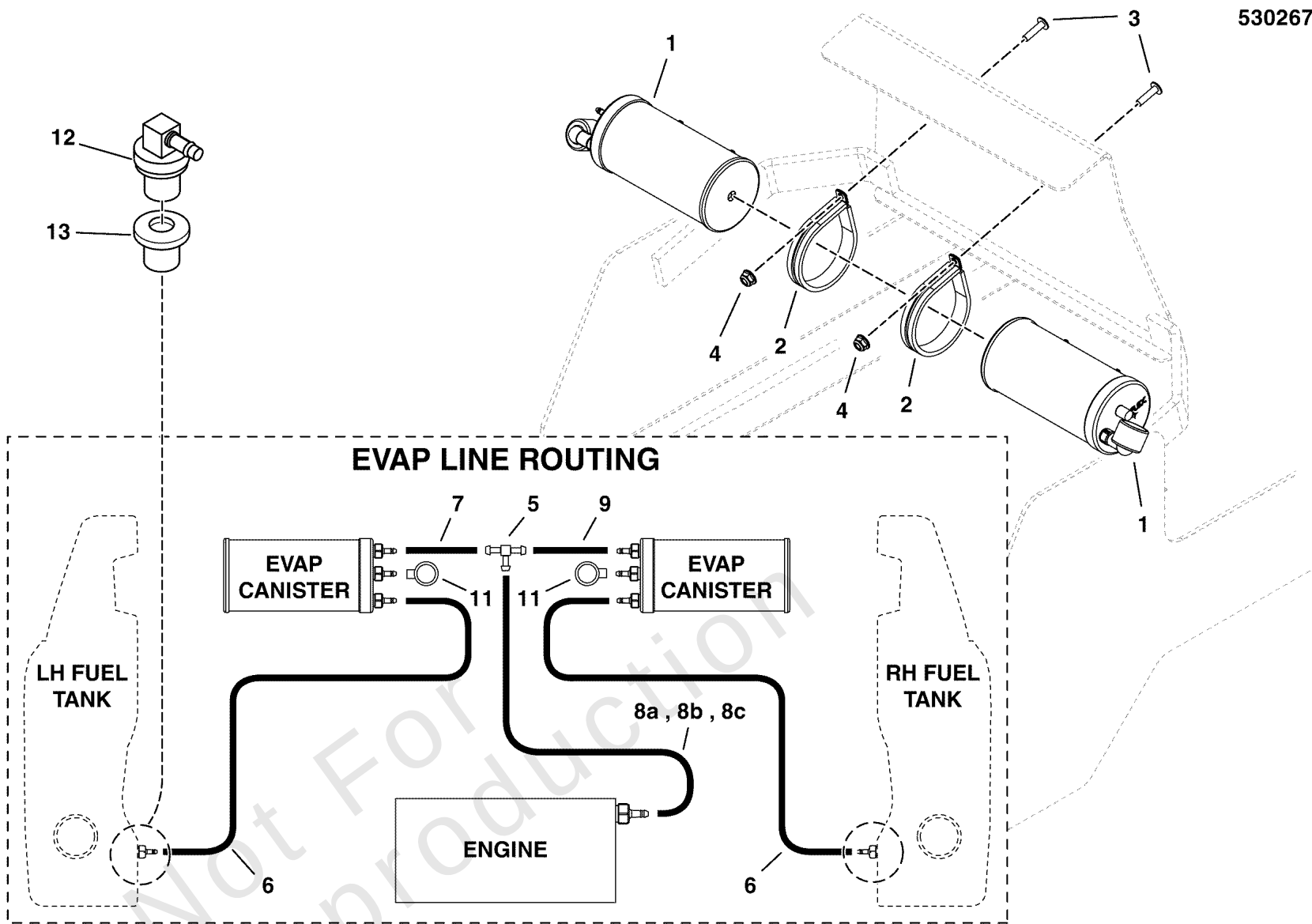
* For engine replacement parts see you local Briggs & Stratton dealer

Evap Canister Group

Note: Unless noted otherwise, use the standard torque specifications

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5302670

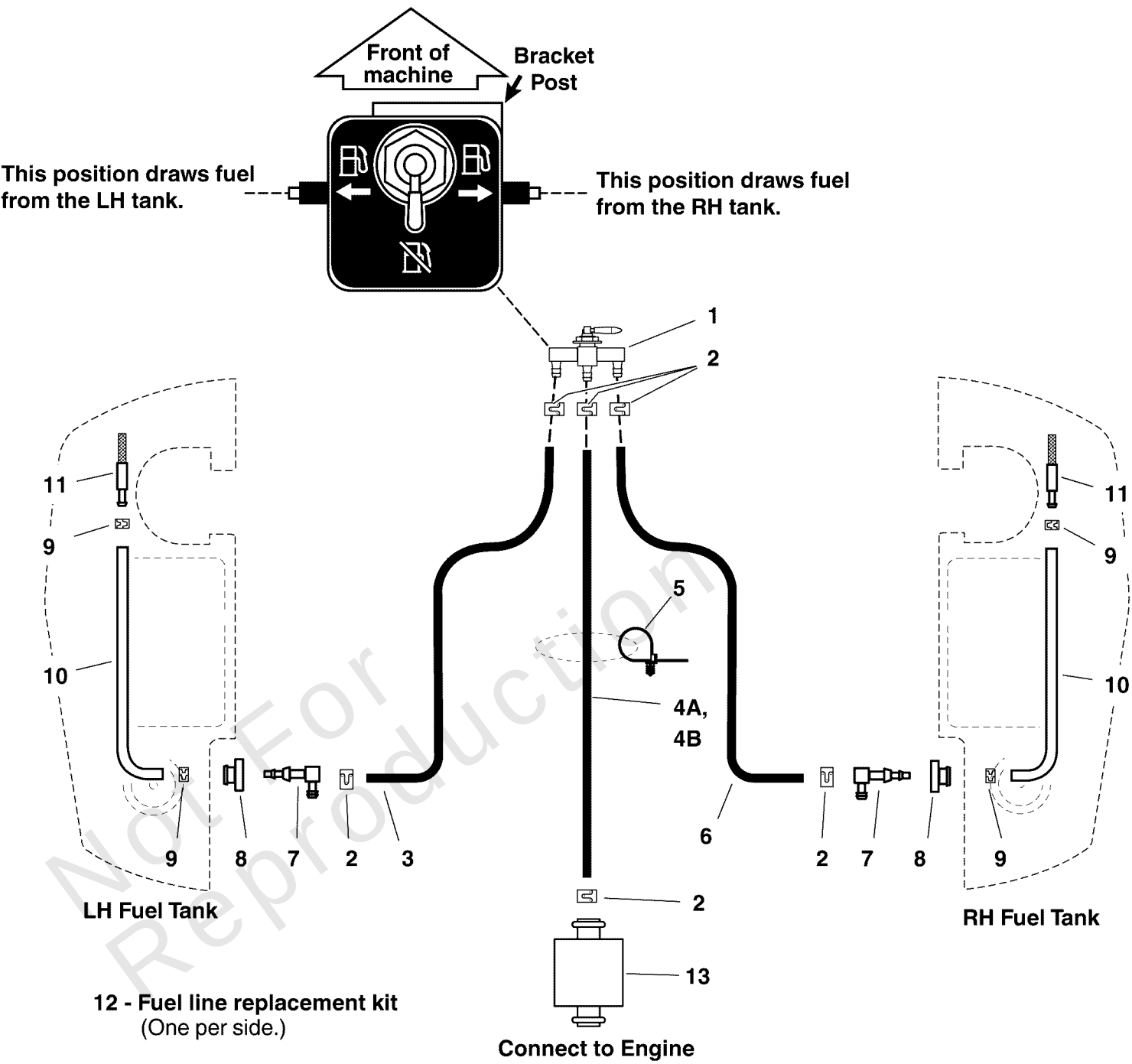


Evap Canister Group

REF NO	PART NO	QTY	DESCRIPTION
1	313036	2	CNSTR, CARB, 6 GAL
2	5103055	4	CLAMP, 3" ID, CUSHIONED, STAINLESS
3	5025299X6	4	USE 5106757 - SCREW,1/4-20X3/4, ZINC
4	5025391	4	NUT, 1/4-20 HEX NYLOCK FLANGE
5	5103062	1	FITTING, 3/16" TEE, BARB TYPE, HDPE
6	7700552X10P5	2	HOSE, VAPOR, 5MM ID, 10.50 LG
7	7700552X11	1	HOSE, VAPOR, 5MM ID, 11.00 LG
8a	7700552X32	1	HOSE, VAPOR, 5MM ID, 32.00 LG -(Kawasaki Models)
8b	7700552X15	1	HOSE, VAPOR, 5MM ID, 15.00 LG -(B&S Models)
8c	7700552X17	1	HOSE, VAPOR, 5MM ID, 17.00 LG -(Kohler EFI Models)
9	7700552X21P5	1	HOSE, VAPOR, 5MM ID, 21.50 LG
10	-----	1	DECAL, EPA CERT, ZTRS -(Located on frame near Serial Tag)
11	1752800YP	2	FILTER, Dust
12	770046	2	REMOTE VENT ASSEMBLY -(SV)
13	799624	2	GROMMET -(SV)

Fuel Hose Supply & Tank Replacement Parts Group

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5900527



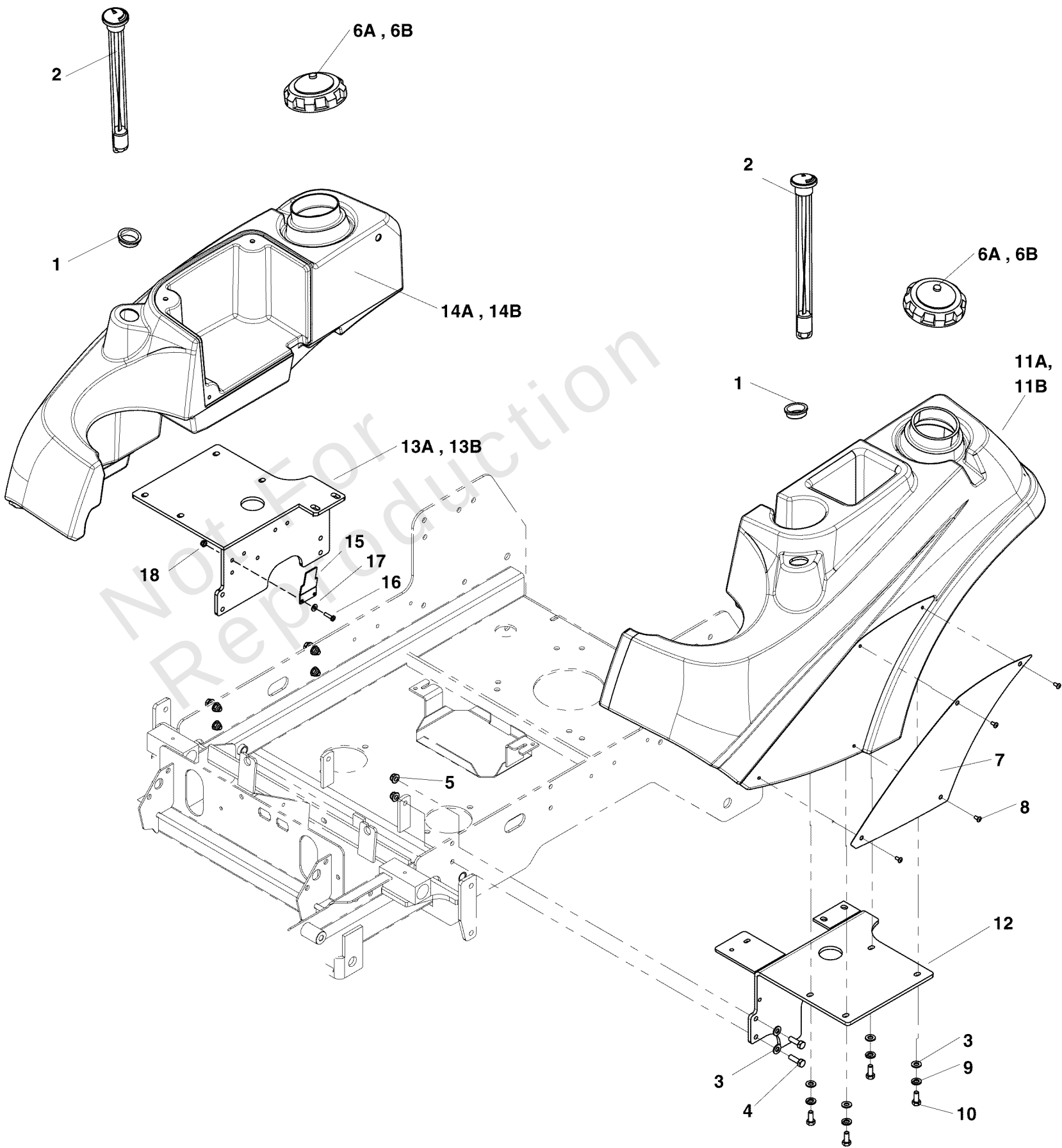
Fuel Hose Supply & Tank Replacement Parts Group

REF NO	PART NO	QTY	DESCRIPTION
1	5023358	1	VALVE, FUEL, STR OUTLET
2	691038	6	CLAMP, Hose
3	5050831X35SM	1	HOSE, 1/4" FUEL, 35.0
4A	5050831X35SM	1	HOSE, 1/4" FUEL, 35.0 -(Kawasaki / Briggs & Stratton Vanguard)
4B	5050831X7YP	1	HOSE 1/4 FUEL 7.00 -(Briggs & Stratton Commercial Turf)
5	5021199	1	CABLE, TIE-PUSH MOUNT
6	5050831X10	1	HOSE, 1/4" FUEL, 10.00"
7	-----	2	SEE REF # 10
8	-----	2	SEE REF # 10
9	-----	4	SEE REF # 10
10	5101144	2	HOSE ASSEMBLY
11	-----	2	SEE REF # 10
12	5300047	2	ASSM, FUEL HOSE, 26
13	5021178X3	1	FUEL FILTER (SV)

Fuel Tank & Mount Group

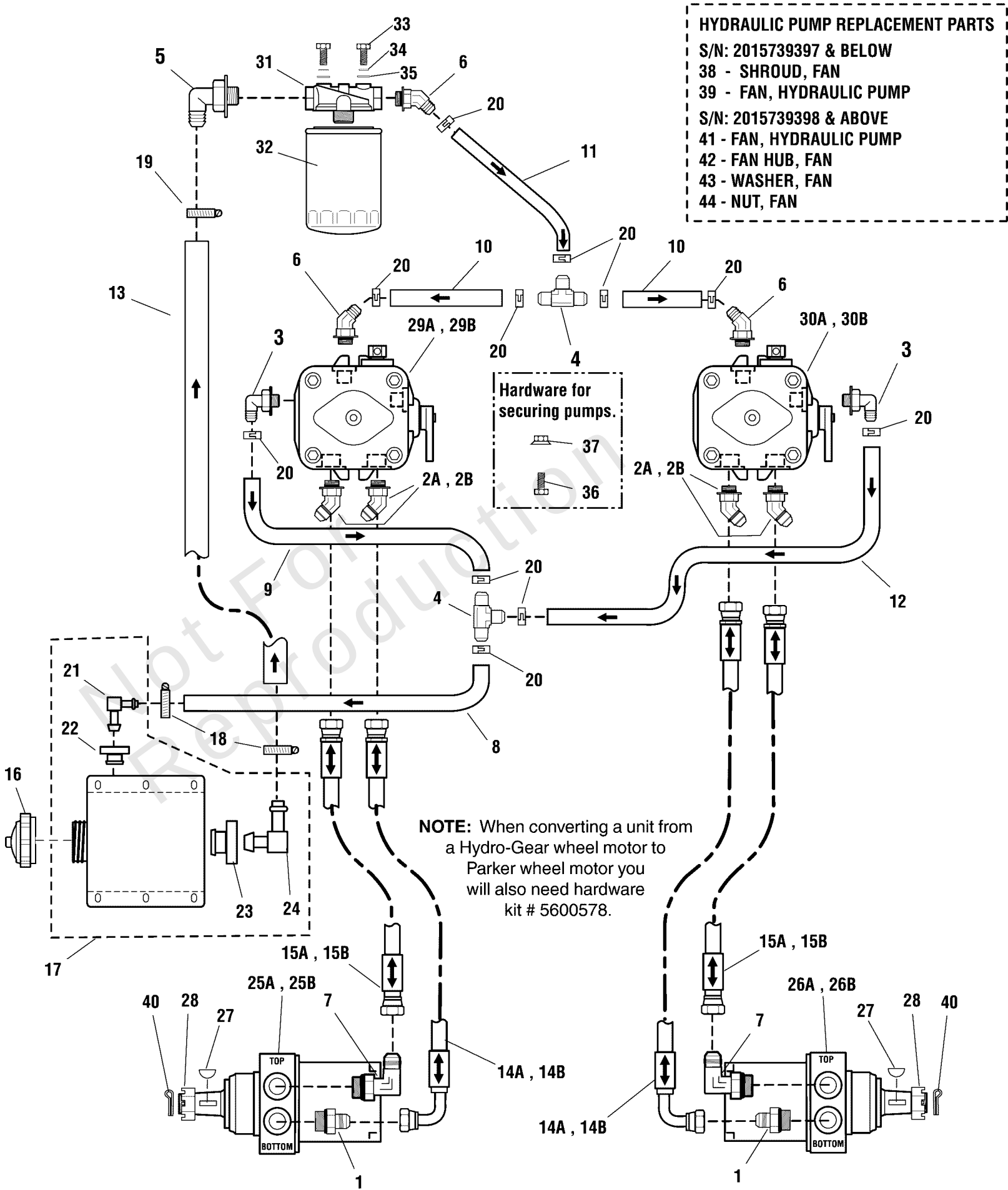
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



Fuel Tank & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	5022917X1	2	GROMMET, FUEL GAGE
2	5022917	2	GAUGE, FUEL, 12
3	5025155	16	WASHER, 5/16" SAE
4	5025011X8	8	BOLT, 5/16-18 X 1" GD5
5	5025392	8	NUT, 5/16-18 HEX NYLOCK FLANGE
6a	5103005	1	FUEL CAP, 3-1/2", MANAGED VENT OUT, 12" -(S/N: 2014923026 & ABOVE)
6b	5022158	2	CAP, FUEL TANK, 3-1/2 NECK -(S/N: 2014923025 & BELOW)
7	5401095C	2	PLATE, TANK BADGE, COBALT - ORANGE
8	5025386	8	SCREW, Allen Head, #10-24 x 3/8"
9	5025170	8	WASHER, 5/16 LOCK CZ
10	5025011X6	8	BOLT, 5/16-18 X 3/4 GD5
11a	5103178	1	TANK, FUEL, LH -(S/N: 2014923026 & ABOVE)
11b	5100176	1	TANK, FUEL, LH -(S/N: 2014923025 & BELOW)
12	5408898A	1	WELD, TANK MOUNT, LH - BLK
13a	5409577A	1	WELD, TANK MOUNT - RH - BLK -(S/N: 2015683595 & ABOVE)
13b	5408901A	1	WELD, TANK MOUNT - RH - BLK -(S/N: 2015683594 & BELOW)
14a	5103177	1	TANK, FUEL, RH -(S/N: 2014923026 & ABOVE)
14b	5100175	1	TANK, FUEL, RH -(S/N: 2014923025 & BELOW)
15	5409349A	1	PLATE, FUSE BLOCK TAB -(S/N: 2015683595 & ABOVE)
16	5025179X6	2	SCREW, #10-24 X 3/4 ROUND -(S/N: 2015683595 & ABOVE)
17	5023499	2	WASHER, #10 SAE -(S/N: 2015683595 & ABOVE)
18	5025217	2	NUT, #10-24 HEX -(S/N: 2015683595 & ABOVE)

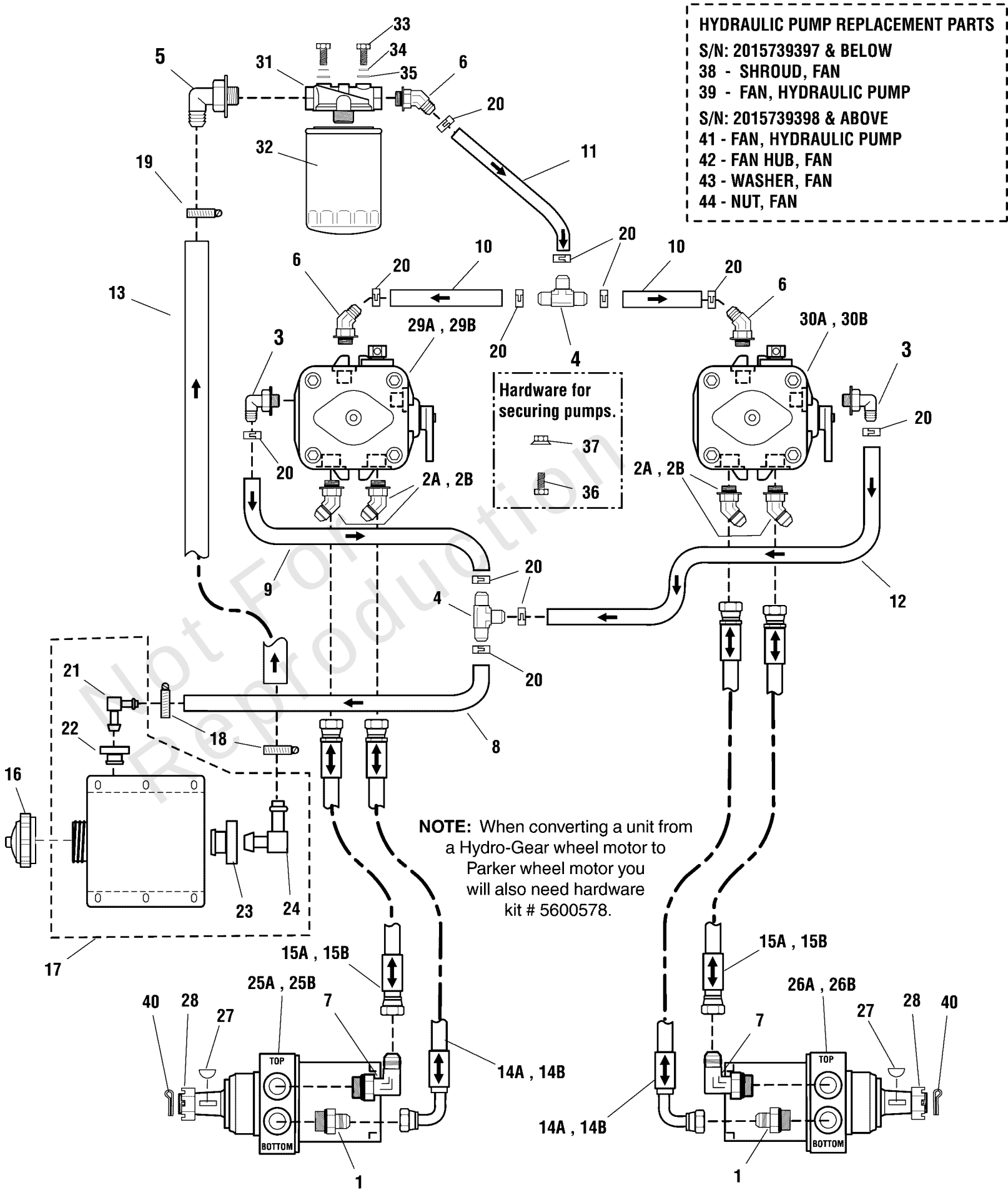


Hydraulic Group

REF NO	PART NO	QTY	DESCRIPTION
1	5022634	2	ADAPTER, HYDRAULIC
2a	5103509	4	FITTING, ELBOW, 22.5 DEG, #8JIC-#8 ORING -(S/N: 2015879469 & Above)
2b	5023338	4	FITTING, #8 JIC - #8 O-RING, 45 DEG. -(S/N: 2015879468 & Below)
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	5023276	2	FITTING, #10 ORING-#8 JIC, 90D
8	5050860X22	1	HOSE, 3/8" PUSH-LOCK, 22.00"
9	5050860X6P5	1	HOSE, 3/8" PUSH-LOCK, 6.50"
10	5050860X6	2	HOSE, 3/8" PUSH-LOCK, 6.00"
11	5050860X8	1	HOSE, 3/8" PUSH-LOCK, 8.00"
12	5050860X23	1	HOSE, 3/8" PUSH-LOCK, 23.00"
13	5050933X23P5	1	HOSE, 5/8" PUSH-LOCK, 23.50"
14a	5409635	2	HOSE ASSEMBLY, 25.50, HP, ST X 90 -(S/N: 2015879468 & Below)
14b	5102098	2	HOSE ASSEMBLY, (26.50) -(S/N: 2015879468 & Below)
15a	5409636	2	HOSE ASSEMBLY, (21.50), HP, ST X ST
15b	5102099	2	HOSE ASSEMBLY, 22.50" -(S/N: 2015879468 & Below)
18	5022922	1	CLAMP, #4 HOSE, STAINLESS
16	5100017	1	CAP, HYDRAULIC
19	5021164	2	CLAMP, #10 HOSE, STAINLESS
17	5061712	1	TANK, HYDRAULIC, ASSEMBLY -(Includes Ref. Nos 21-24)
20	5023268	11	CLAMP, HOSE
21	5023118	1	FITTING, ELBOW, 3/8"
22	1726400SM	1	BUSHING-FUEL TANK RED RUBBER (SV)
23	5023121	1	GROMMET
24	5023119	1	FITTING, ELBOW, 5/8"
25a	5102682	1	WHEEL MOTOR, RH, 14.5 CI-TF0240LS080AAKZ -(S/N: 2014450934 & ABOVE)
25b	-----	1	Use next serial number range wheel motors, fittings & kit #5600578. -(S/N: 2014450933 & BELOW) Was 5100407
26a	5102681	1	WHEEL MOTOR, LH, 14.5 CI-TF0240LS081AAKZ -(S/N: 2014450934 & ABOVE)
26b	-----	1	Use next serial number range wheel motors, fittings & kit #5600578. -(S/N: 2014450933 & BELOW) Was 5100410
27	5022042X2	2	KEY
28	5022042X3	2	NUT, CASTLE, 1-20
29a	5103443	1	PUMP, HYD12CC, LH NO FAN, PK-3KCQ-FVIX-XXXX -(S/N: 2015739398 & ABOVE)
29b	5102174	1	PUMP, HYD, 12CC - LH, PK-3HBQ-FV1F-XXXX -(S/N: 2015739397 & BELOW)
30a	5103444	1	PUMP, HYD12CC, RH NO FAN, PK-3KCQ-FVIX-XXXX -(S/N: 2015739398 & ABOVE)
30b	5102175	1	PUMP, HYD, 12CC - RH, PK-3KBQ-FV1F-XXXX -(S/N: 2015739397 & BELOW)
31	5023096	1	FILTER HEAD, HYDRAULIC

Footnotes:

Note:* When installing this wheel motor on older units, you will need hardware kit # 5600578.



Hydraulic Group

REF NO	PART NO	QTY	DESCRIPTION
32	1719168YP	1	FILTER, OIL
33	5025010X6	2	BOLT, 1/4"-20 X 3/4" GD5 YZ
34	703332	2	WASHER
35	5025169	2	WASHER, 1/4 LOCK
36	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
37	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE
38	5100162	2	SHROUD, FAN
39	5022571X1	2	FAN, HYD. PUMP
40	5025203X16	2	PIN, COTTER, 1/8' X 2"
41	5103231	2	FAN, 8.31", 16CC HYDRO-GEAR PUMP
42	5103250X2	2	FAN HUB, 16CC PUMP
43	5103250X1	2	WASHER, 16CC PUMP
44	5103444X1	2	LOCK NUT,NLYON INSERT 5/16-24,GRD8, 5010

Not For
Reproduction

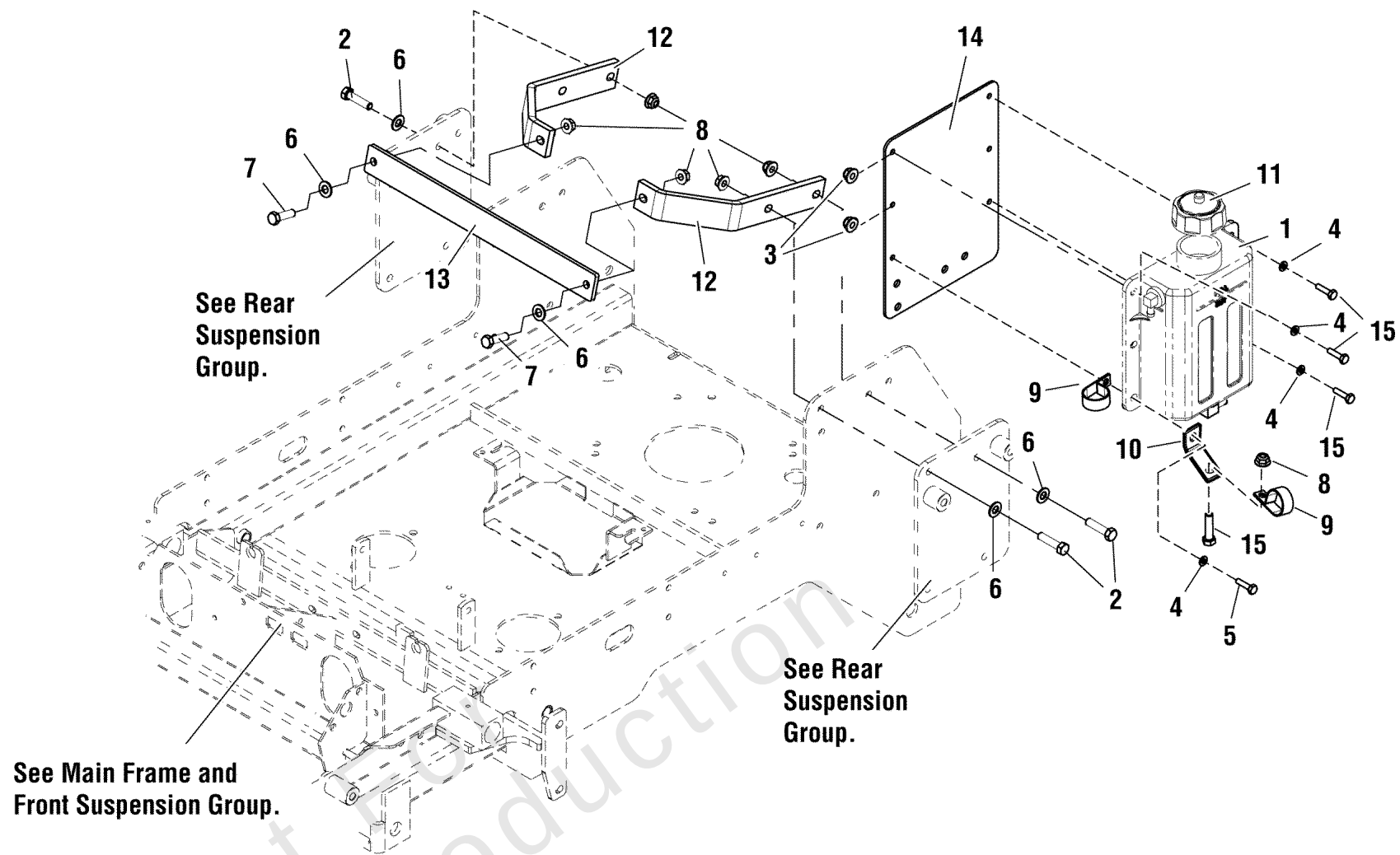
Footnotes:

Note:* When installing this wheel motor on older units, you will need hardware kit # 5600578.

Hydraulic Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



Hydraulic Mount Group

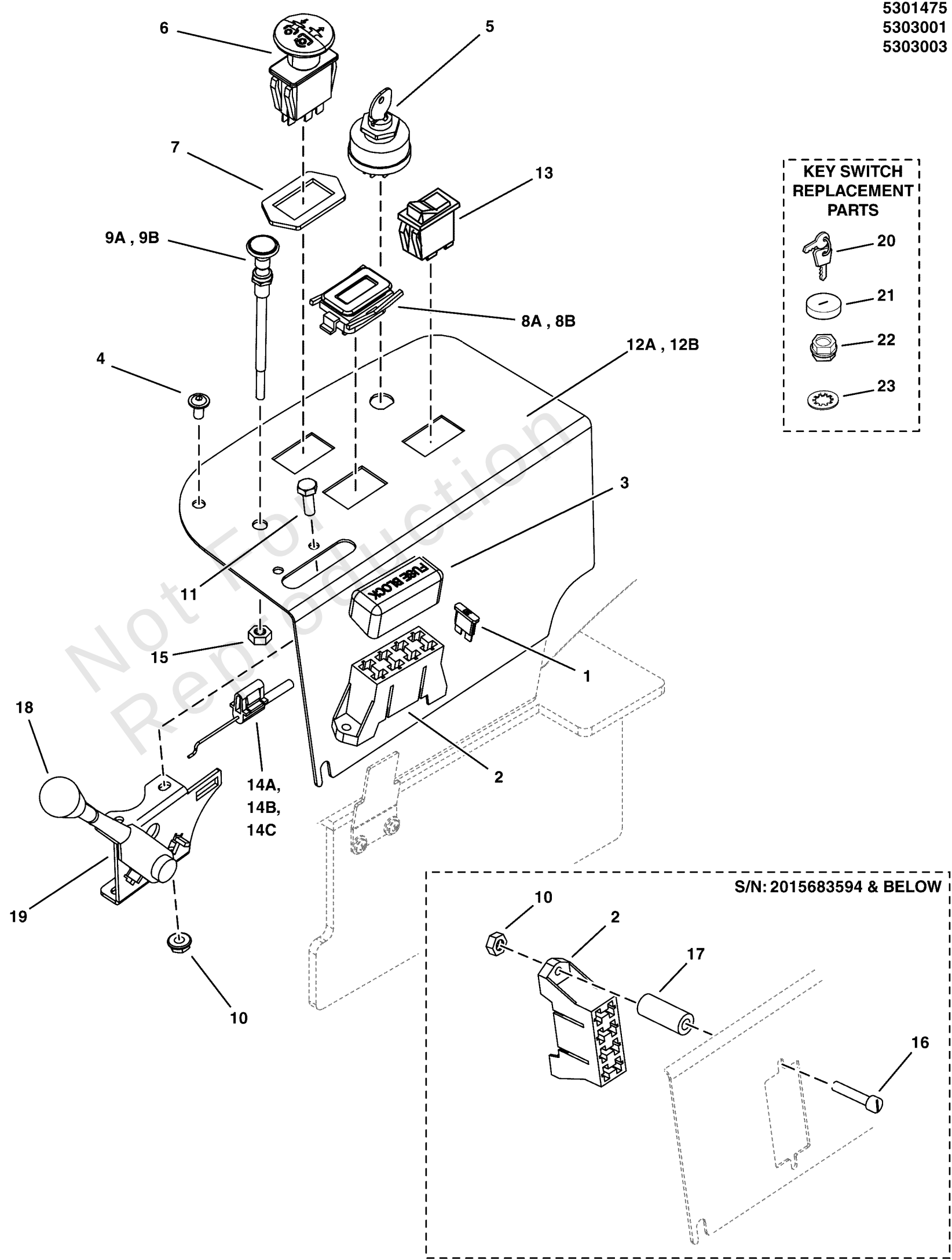
REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	TANK, HYDRAULIC, ASSEMBLY (See Hydraulic Group)
2	5025013X12	4	BOLT, 3/8-16 X 1-1/2" GD5 CZ
3	703463	4	NUT, GR5,1/4-20
4	703332	4	WASHER
5	5025010X8	1	BOLT, 1/4-20 X 1" GD5 CZ
6	5025156	6	WASHER, 3/8 SAE
7	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
8	5025394	6	NUT, 3/8-16 HEX NYLOCK FLANGE
9	5021500	2	CLAMP, VINYL INSULATED
10	5401736A	1	BRACKET, HOSE - BLK
11	-----	1	CAP, HYDRAULIC (See Hydraulic Group)
12	5401952C	2	BAR, STABILIZER, SIDE
13	5408215A	1	BAR, STABILIZER, CENTER - BLK
14	5401954C	1	PLATE, HYDRAULIC TANK MOUNT
15	5025010X6	4	BOLT, 1/4-20 X 3/4" G

Instrument Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

5301475
5303001
5303003



Instrument Control Panel Group

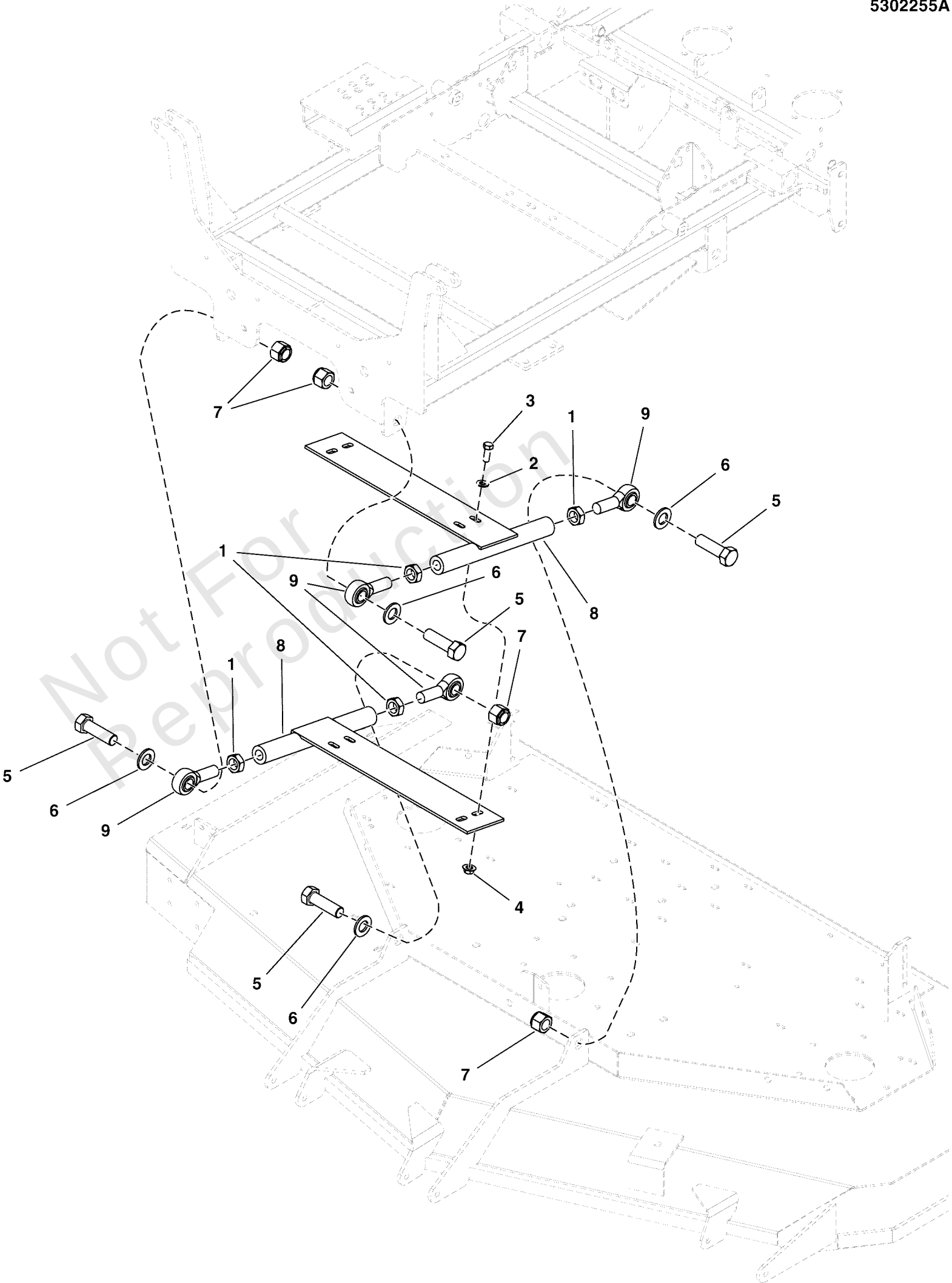
REF NO	PART NO	QTY	DESCRIPTION
1	5021603	4	FUSE, ATO-20 (20 AMP)(SV)
2	5021518	1	FUSE, BLOCK (SV)
3	5022805	1	COVER, VINYL, FUSE BLOCK
4	5025299X4	3	SCREW, ALLEN HEAD 1/4-20X.500 ZINC PHOS
5	1737853	1	SWITCH ASSEMBLY, Ignition Indak No Keys/Hdwr
6	5022180	1	SWITCH, BLADE ENGAGEMENT
7	5022222	1	RING, SWITCH RETAINER
8a	84008768	1	HOURLMETER (2 Pin Connector) -(S/N: 2015551938 & Above)
8b	5102417	1	HOUR METER -(S/N: 2015551937 & Below)
9a	5046501	1	CABLE, Choke Control, 47" -(Kawasaki / Briggs & Stratton Commercial Turf)
9b	5047779	1	CABLE, CHOKE CONTROL, 51" (Z) -(Briggs & Stratton Vanguard)
10	703412	4	NUT, NYLOCK, 10-24 -(5025271)
11	5025179X6	2	SCREW, #10-24 X 3/4" ROUND PHILLIPS
12a	5403387A	1	PANEL, CONTROL -(S/N: 2015683596 & Above)
12b	5403400A	1	PANEL, CONTROL, IS2000Z -(S/N: 2015683595 & Below)
13	1703799	1	SWITCH, HEADLIGHT
14a	5101073	1	CABLE, THROTTLE, 42" -(Kawasaki)
14b	5101074	1	CABLE, THROTTLE, 40" -(Briggs & Stratton Commercial Turf)
14c	5101076	1	CABLE, THROTTLE 47" -(Briggs & Stratton Vanguard)
15	5025035SM	1	NUT (3/8-24 HEX)
16	5025270X16	2	SCREW, #10-24 X 2" ROUND PHILLIPS
17	5061763	2	SPACER, .20 X .38 X 1.25
18	5046360X1	1	THROTTLE CONTROL HANDLE/KNOB -(SV)
19	5101537	1	LEVER, THROTTLE CONTROL, HEAVY-DUTY
20	1737836	1	KEYS, Blister Pk (KIDS+MWRS DON'T MIX) English/Spanish (set of two, one coated) -(SV)
21	1717550	1	COVER, For Ignition Switch, Plastic -(SV)
22	1717549	1	NUT, 5/8-32 Hex Flange (Ignition Switch Die Cast) -(SV)
23	1960547	1	LOCKWASHER-INTERNAL TOOTH, .625 THIN BLK (SV) -(SV)

Lift Group - Puller Bar S/N: 2016364870 & Above (5302255A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

5302255A



Lift Group - Puller Bar S/N: 2016364870 & Above (5302255A)

REF NO	PART NO	QTY	DESCRIPTION
1	5025093SM	4	NUT, 3/4-16 HEX JAM
2	5025156SM	4	WASHER, 3/8 SAE
3	5025013X8SM	4	BOLT, 3/8-16 X 1" GD5
4	5025128SM	4	NUT, 3/8-16 HEX SERRA
5	5025265X20YP	4	BOLT, 3/4-16 X 2-1/2
6	5025160SM	4	WASHER, 3/4" SAE
7	5025284SM	4	NUT, 3/4-16 HEX NYLON
8	5406832AYP	2	DECK STABILIZER
9	5022039SM	4	BALL JOINT, 3/4-16, M

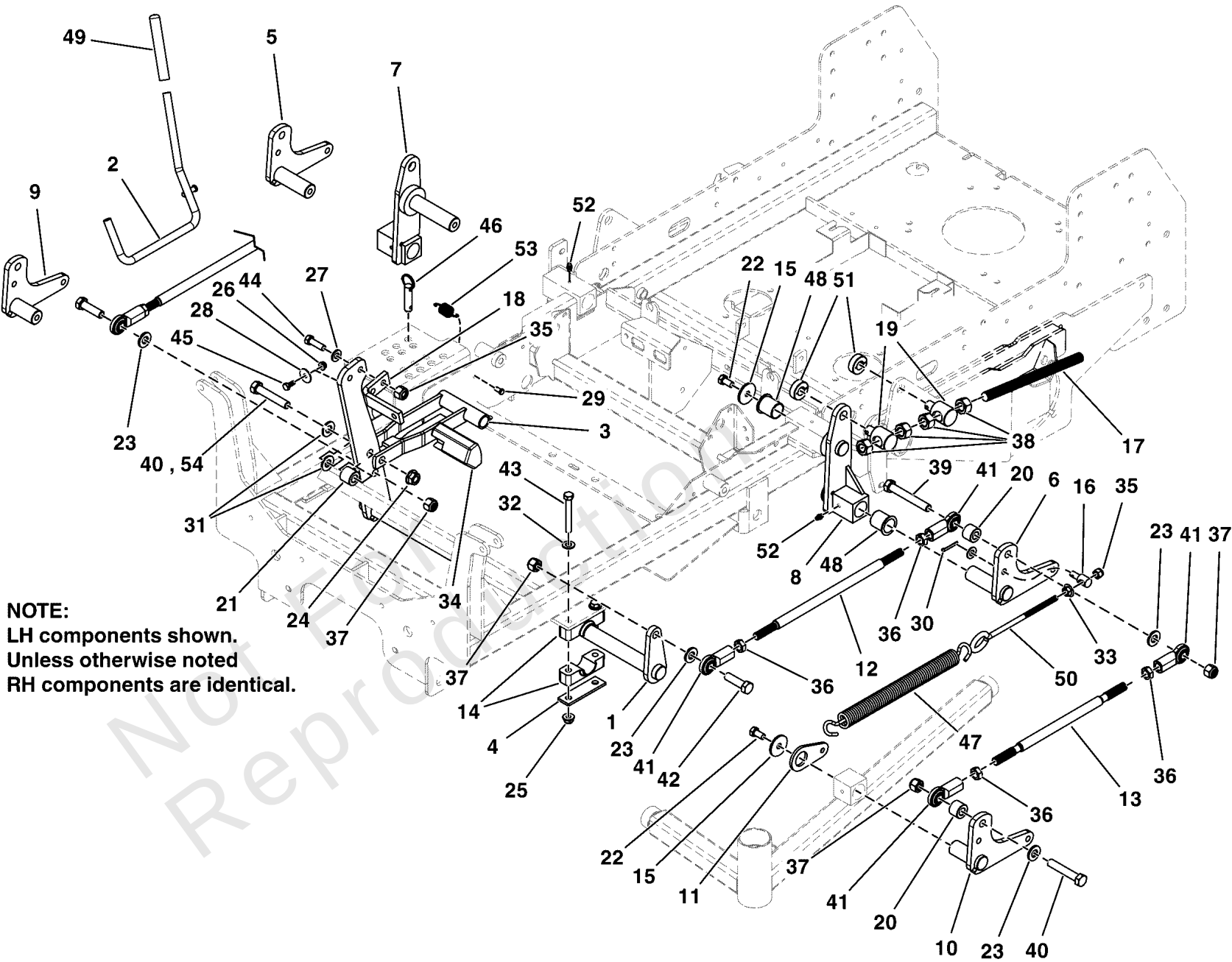
Lift Group - Rods & Pedals S/N: 2016364870 & Above (5302255B)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

5302255B

This illustration depicts the deck lift rod linkages and deck lift pedal for models with a 61" mower deck that are in the serial number range 2016364870 & Above.



NOTE:
LH components shown.
Unless otherwise noted
RH components are identical.

Lift Group - Rods & Pedals S/N: 2016364870 & Above (5302255B)

REF NO	PART NO	QTY	DESCRIPTION
1	5410897CYP	1	WELD, DECK LIFT SHAFT - ORG
2	5410317AYP	1	WELD, Rod, Deck Lift - BLK
3	5104133YP	1	ARM-LINK
4	5403925AYP	2	PLATE, Pivot
5	5401672AYP	1	DECK LIFT LEVER, RH
6	5401671AYP	1	DECK LIFT LEVER, LH
7	5401665AYP	1	REAR LIFT, RH
8	5401664AYP	1	REAR LIFT, LH
9	5401662CYP	1	WELD, DECK LIFT LEVER, RH - ORG
10	5401661CSM	1	WELD, PIVOT DECK LIFT - LH - ORANGE
11	5401645CSM	2	MOUNT, SPRING DECK LIFT - ORANGE
12	5103758YP	2	ROD, DECK LIFT, 19.25
13	5103340YP	2	ROD, 1/2-20 X 20.50
14	5100634SM	4	PIVOT BLOCK, PLASTIC
15	5100548SM	6	WASHER - .39X1.50
16	5100380SM	2	ADJUSTER - DECK
17	5100247SM	2	ROD, 5/8-11 X 9.00
18	5061569AYP	1	PEDAL, FOOT
19	5045447SM	4	PIVOT, SPRING ROD
20	5045178SM	4	SPACER, .52 X 1.00 X
21	5044673SM	1	SPACER, .52 X 1.00 X -(Models with metal deck lift link.)
22	5025443SM	6	BOLT - 3/8-16 X 3/4
23	5025440SM	7	WASHER, 1/2" YELLOW
24	5025396SM	1	NUT, Hex Flange, 1/2-13
25	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
26	703463	2	NUT, GR5, 1/4-20
27	5025293SM	2	WASHER, 3/8"
28	5025288YP	2	WASHER, 1/4 FENDER
29	5025212X4SM	1	PIN, CLEVIS, 1/4 X 1/
30	5025203X6SM	2	PIN - COTTER
31	5025158SM	2	WASHER, 1/2" SAE
32	5025156SM	4	WASHER, Flat, 3/8
33	5025128SM	1	NUT, 3/8-16 HEX SERRA
34	5104262YP	1	PEDAL, RUBBER
35	5025096SM	4	NUT, 3/8-16 HEX NYLON
36	5025089SM	8	NUT, 1/2-20 HEX JAM
37	5025056SM	7	NUT, Hex, Nylon Lock, 1/2-13
38	5025040SM	8	NUT, 5/8-11 HEX
39	5025017X26SM	2	BOLT, 1/2-13
40	5025017X22SM	2	BOLT, 1/2-13 X 2-3/4" -(Qty: 3 - models with metal deck lift link.)
41	1702779SM	8	JOINT-BALL .500-20 TH
42	5025017X14YP	2	BOLT, 1/2-13 X 1-3/4
43	5025013X22SM	2	BOLT, 3/8-16 X 2-3/4"
44	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4"
45	703338	2	BOLT, 1/4-20X5/8
46	5023498SM	1	PIN, HITCH, 1/2 X 2.0
47	5023355SM	2	SPRING, DECK LIFT ASS
48	5023343SM	8	BUSHING, 1.00 X 1.13
49	5021880SM	1	GRIP, FOAM
50	5021811SM	2	EYE BOLT, 3/8-16 X 8"

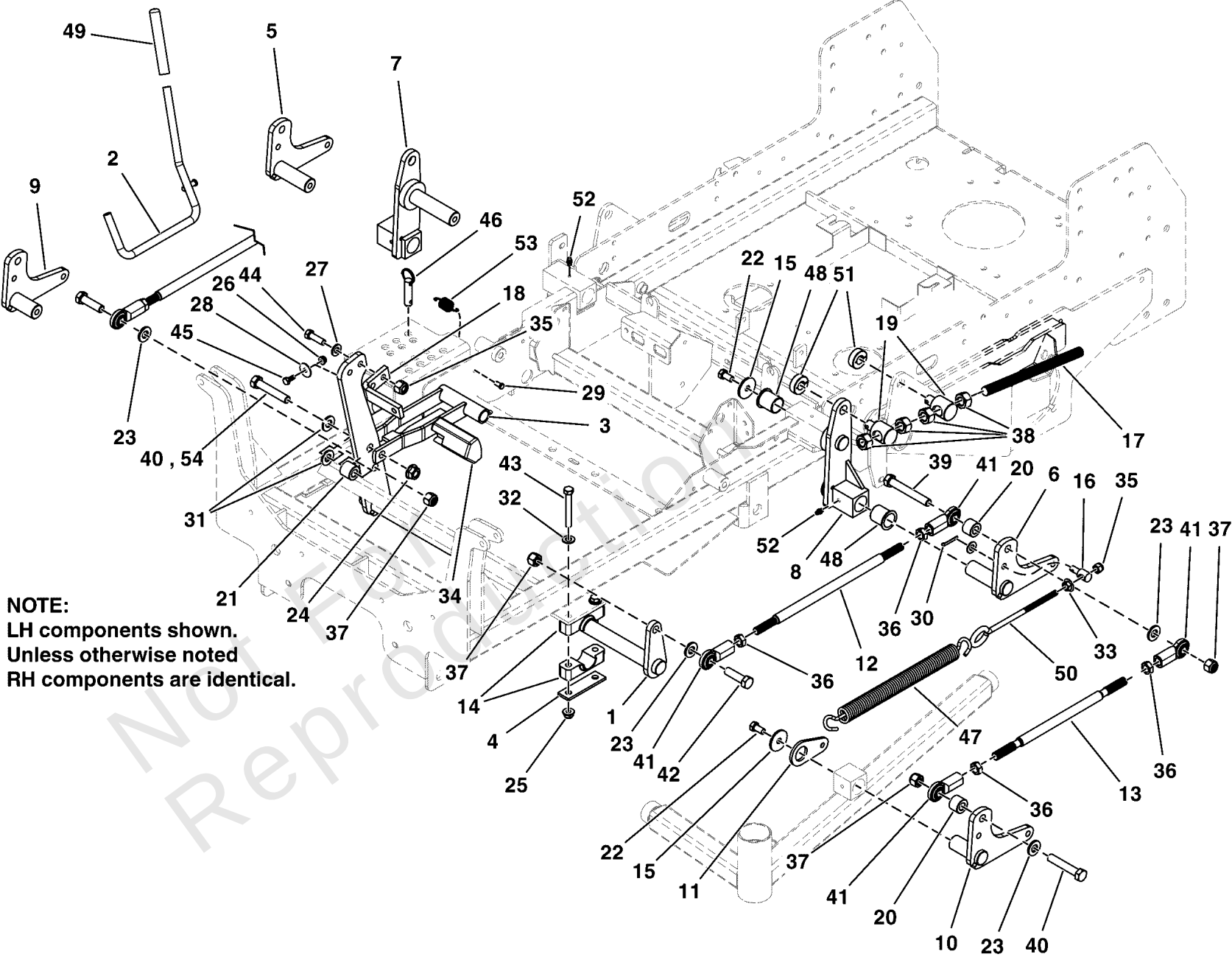
Lift Group - Rods & Pedals S/N: 2016364870 & Above (5302255B)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

5302255B

This illustration depicts the deck lift rod linkages and deck lift pedal for models with a 61" mower deck that are in the serial number range 2016364870 & Above.

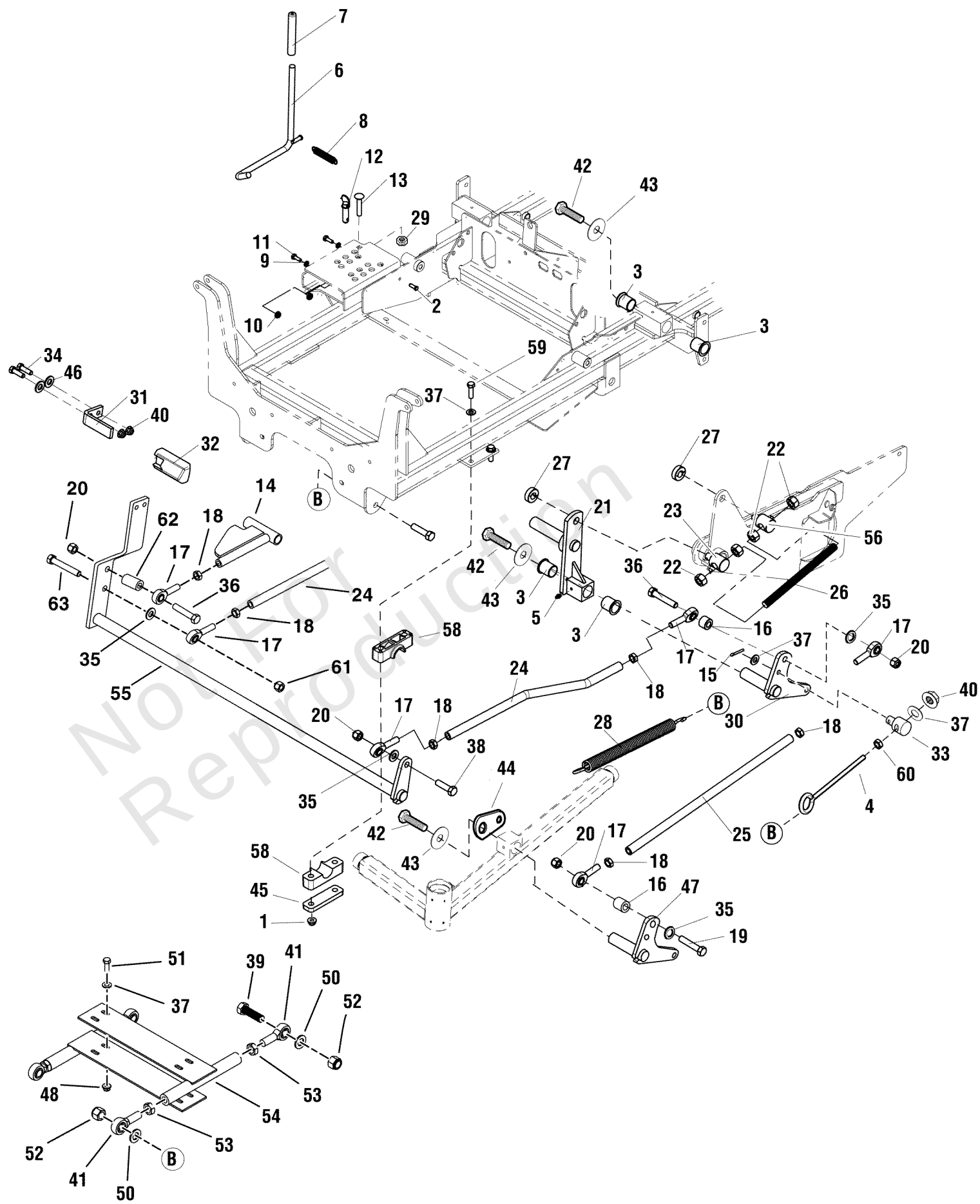


NOTE:
LH components shown.
Unless otherwise noted
RH components are identical.

Lift Group - Rods & Pedals S/N: 2016364870 & Above (5302255B)

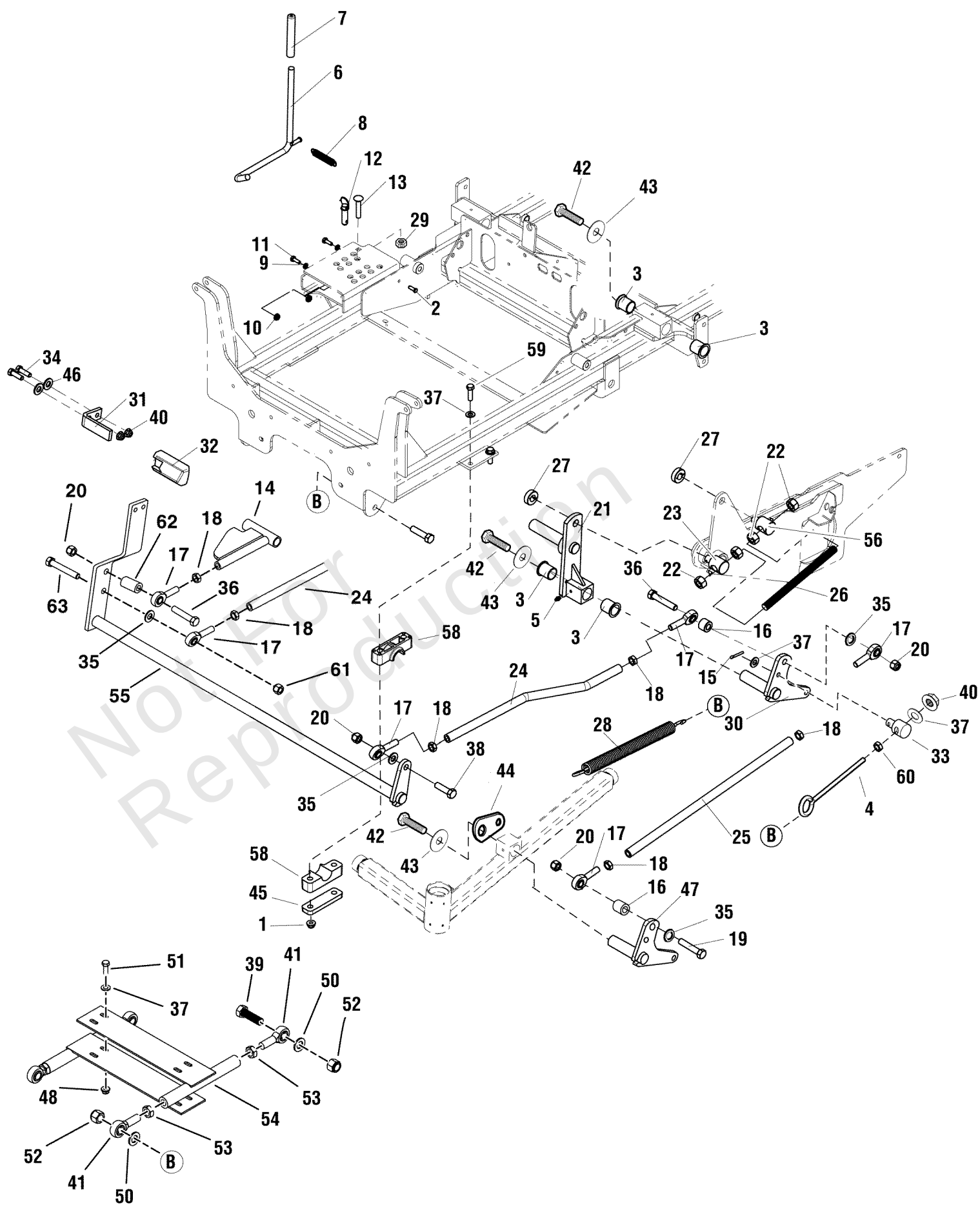
REF NO	PART NO	QTY	DESCRIPTION
51	5020441SM	4	COLLAR, 5/8" SPLIT
52	5020095SM	4	GREASE FITTING, 1/4-2
53	5010213YP	1	SPRING-EXT, .740 ODX2
54	5025017X16YP		BOLT, 1/2-13 X 2 GD5 -(Models with cast iron deck lift link.)

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Lift Group - S/N: 2014344992 - 2016364869

REF NO	PART NO	QTY	DESCRIPTION
1	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE
2	5025212X7	1	PIN, CLEVIS, 1/4 X 7/8, PLATED
3	5023343	8	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
4	5021811	2	EYEBOLT, 3/2-16 X 8", 1" EYE
5	5020095	4	GREASE FITTING, 1/4-28 STRAIGHT
6	5400719A	1	WELD, ROD DECK LIFT - BLK
7	5021880	1	GRIP, FOAM
8	5020639	1	SPRING, EXTENSION
9	703332	2	WASHER
10	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
11	5025010X6	2	BOLT, 1/4-20 X 3/4" GD5 YZ
12	5023498	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
13	5025146X16	1	BOLT, 3/8-16 X 2", CARRIAGE
14	5400769B	1	WELD, DECK ADJUST LINK - RED
15	5025203X6	2	PIN, COTTER, 1/8" X 3/4
16	5045178	4	SPACER, .52 X 1.00 X .75
17	5022434	9	BALL JOINT, 1/2-20, MALE
18	5025089	9	NUT, 1/2-20 HEX JAM
19	5025017X22	2	BOLT, 1/2-13 X 2-3/4 GD5 CZ
20	5025056	7	NUT, 1/2-13 HEX NYLON LOCK
21	5401664A	1	WELD, REAR LIFT, LH - BLK
21	5401665A	1	WELD, REAR LIFT, RH - BLK -(NOT SHOWN)
22	5025040	8	NUT, 5/8-11 HEX
23	5045447	2	PIVOT, SPRING ROD
24	5100149	2	ROD, DECK LIFT BENT
25	5100148	2	ROD, DECK LIFT, OUTER
26	5100247	2	ROD, 5/8-11 X 9.00
27	5020441	4	COLLAR, 5/8" SPLIT
28	5023355	2	SPRING, DECK LIFT ASSIST
29	5025100	1	NUT, 3/8-16 HEX SIDE LOCK
30	5401671A	1	WELD, DECK LIFT LEVER, LH - BLK
30	5401672A	1	WELD, DECK LIFT LEVER, RH - BLK -(NOT SHOWN)
31	5061569A	1	PEDAL, FOOT - BLK
32	5104262YP	1	PEDAL, RUBBER
33	5100380	2	ADJUSTER, DECK HANGER
34	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
35	5025440	7	WASHER, 1/2" SAE
36	5025017X28	3	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
37	5025156	10	WASHER, 3/8 SAE
38	5025017X14	2	BOLT, 1/2-13 X 1-3/4 GD5 CZ
39	5025265X20	4	BOLT, 3/4-16 X 2-1/2 YZ GD5
40	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
41	5022039	4	BALL JOINT, 3/4-16, MALE
42	5025443	6	BOLT, 3/8-16 x 3/4, GD5, YZ WITH PATCH
43	5100548	6	WASHER, .390 X 1.50 X .109, YZ
44	5401645C	2	MOUNT, SPRING DECK LIFT - RED
45	5403925A	2	PLATE, PIVOT BLOCK SUPPORT - BLK
46	5025293	2	WASHER, 3/8" GR9 FLAT
47	5401661C	1	WELD, PIVOT DECK LIFT - LH - RED
48	5025128	4	NUT, 3/8-16 HEX SERRATED FLANGE



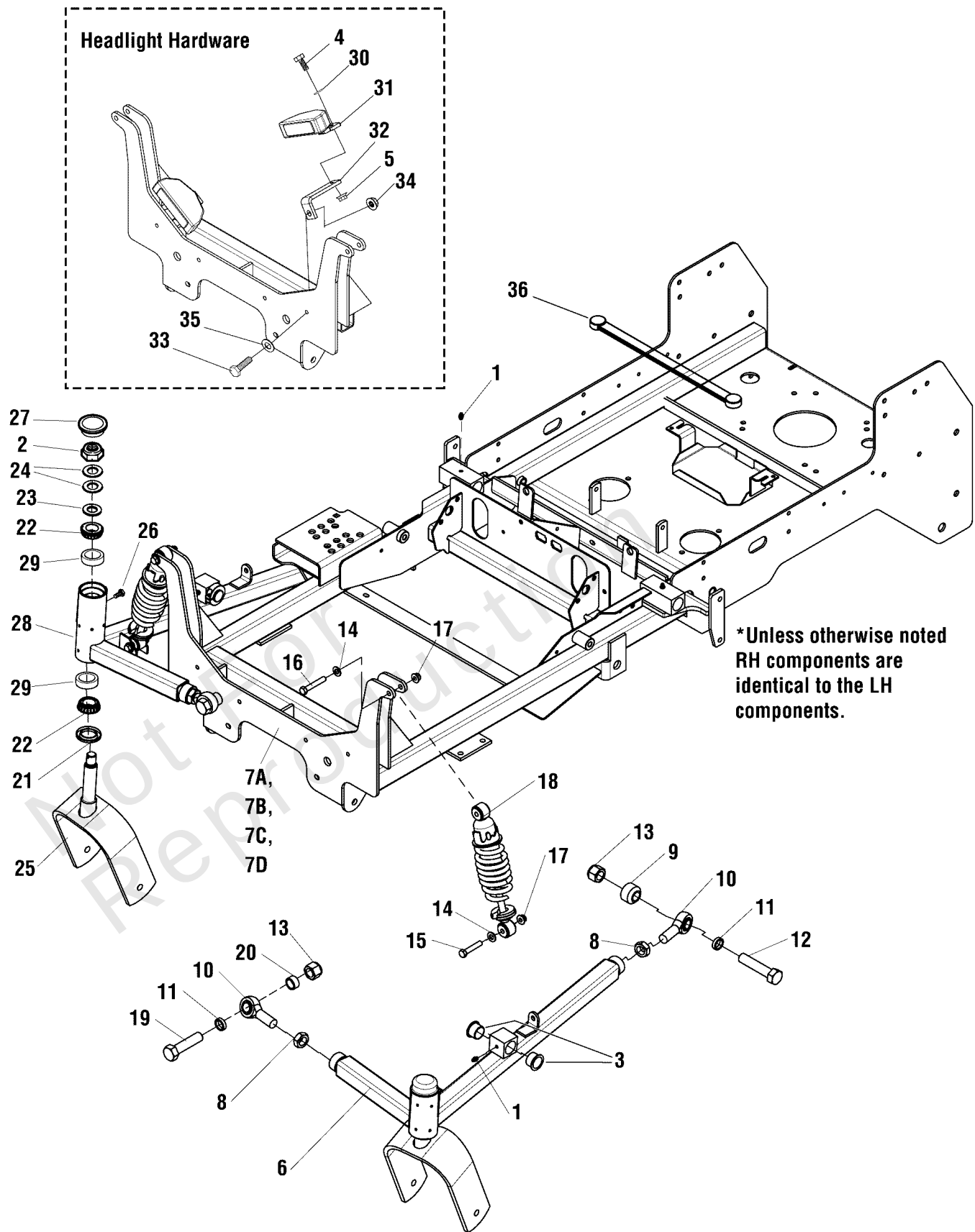
Lift Group - S/N: 2014344992 - 2016364869

REF NO	PART NO	QTY	DESCRIPTION
49	5404307CSM	1	WELD, DECK LIFT SHAFT - ORG -(NOT SHOWN)
50	5025160	4	WASHER, 3/4 SAE
51	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
52	5025284	4	NUT, 3/4-16 HEX NYLON LOCK
53	5025093	4	NUT, 3/4-16 HEX JAM
54	5406832A	2	WELD, DECK STABILIZER - BLK
55	5406837C	1	WELD, DECK LIFT SHAFT - RED
56	5045447	2	PIVOT, SPRING ROD
57	5401662B	1	WELD, PIVOT DECK LIFT - RH - RED
58	5100634	4	PIVOT BLOCK, PLASTIC
59	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
60	5025034	2	NUT, 3/8-16 HEX
61	5025332	1	NUT, 1/2-13 HEX SIDE LOCK
62	5045176	1	SPACER, .52 X 1.00 X 1.75
63	5025017X18	1	BOLT, 1/2-13 X 2-1/4" GD5 CZ

Main Frame & Front Suspension Group (432FRM0)

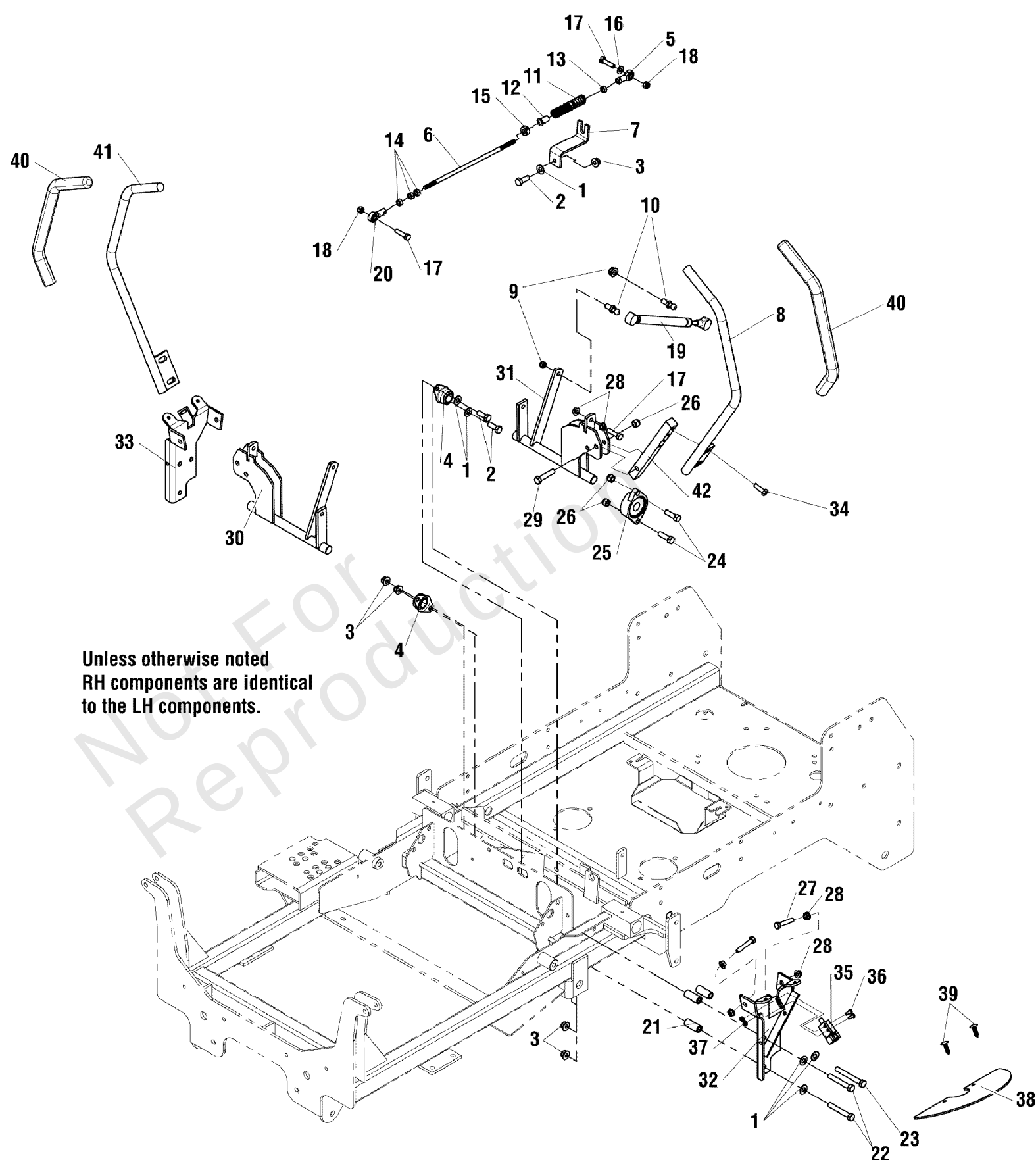
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



Main Frame & Front Suspension Group (432FRM0)

REF NO	PART NO	QTY	DESCRIPTION
1	5020095SM	4	GREASE FITTING, 1/4-2
2	5025448SM	2	NUT - 3/4-16 HEX JAM
3	5023356SM	4	BUSHING, 1.00X1.13X.7
4	5025010X8SM	2	BOLT, 1/4-20 X 1", GD
5	703463	2	NUT, GR5,1/4-20
6	5402214CSM	1	WELD, FRONT A-ARM, LH - ORANGE
7a	5404097CYP	1	WELD, MAIN FRAME, COBALT -(S/N: 2014344991 & BELOW)
7b	5407041CYP	1	WELD, MAIN FRAME, COBALT -(S/N: 2014344992 - 2016322687)
7c	5410771CYP	1	WELD, MAIN FRAME, COBALT -(S/N: 2016322688 - 2016364869)
7d	5410895CYP	1	WELD, MAIN FRAME, COBALT -(S/N: 2016364870 & Above)
8	5025093SM	4	NUT, 3/4-16 HEX JAM
9	5046093SM	2	SPACER, .75 X 1.50 X
10	5022039SM	4	BALL JOINT, 3/4-16, M
11	5047461SM	4	SPACER, .76 X 1.00 X
12	5025265X28SM	2	BOLT, 3/4-16 X 3-1/2"
13	5025284SM	4	NUT, 3/4-16 HEX NYLON
14	5025293SM	4	WASHER, 3/8"
15	5025013X16SM	2	BOLT, 3/8-16 X 2" GD5
16	5025013X18SM	2	BOLT, 3/8-16 X 2-1/4"
17	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
18	5023436SM	2	SHOCK ABSORBER
19	5025265X24SM	2	BOLT, 3/4-16 X 3" YZ
20	5046092SM	2	SPACER, .76 X 1.00 X
21	5021072SM	2	SEAL, GREASE
22	5020884SM	4	BEARING, TAPERED ROLL
23	5025160SM	2	WASHER, 3/4" SAE
24	5025449SM	4	WASHER, BELLEVILLE
25	5402208CSM	2	WELD, CASTER YOKE - ORG
26	5025457SM	2	BOLT - 1/4-28 X 1/2
27	5102929YP	2	CAP, LOW PROFILE, STEEL
28	5402215CSM	1	WELD - FRONT A-ARM
29	5020883SM	4	BEARING CUP
30	703332	2	WASHER
31	5023482SM	2	HEADLIGHT, 4" RECTANGULAR
32	5401160CSM	2	MOUNT, HEAD LIGHT - ORANGE
33	703570	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
34	703115	2	NUT
35	703302	2	WASHER, 5/16
36	1722009SM	1	STRAP-BLACK RUBB



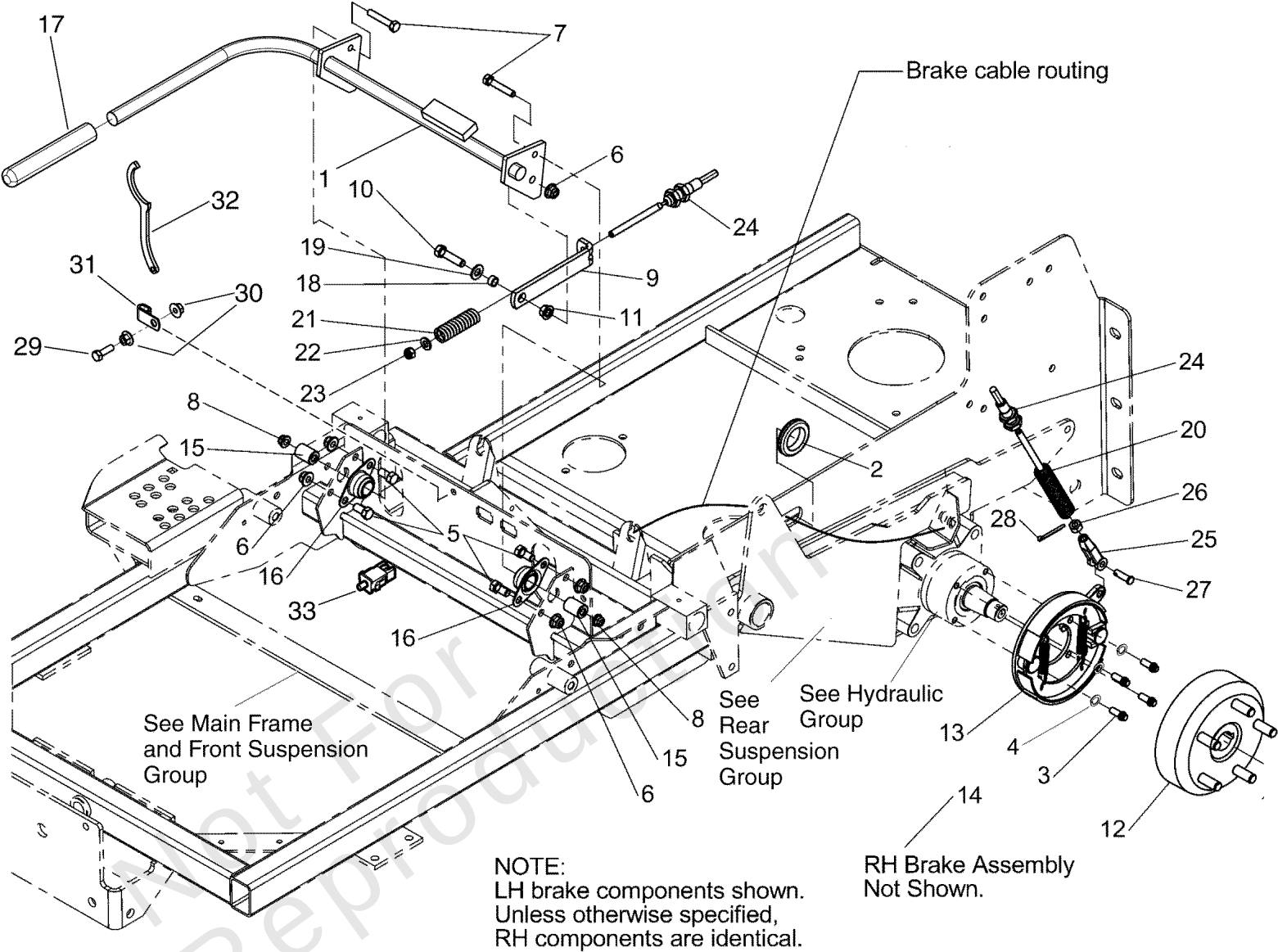
Motion Control Group

REF NO	PART NO	QTY	DESCRIPTION
1	5025156	10	WASHER, 3/8 SAE
2	5025013X8	4	BOLT, 3/8-16 X 1" GD5 CZ
3	5025394	8	NUT, 3/8-16 HEX NYLOCK FLANGE
4	5021098	2	BEARING, BRONZE FLANGE 3/4"
5	5104494YP	2	BALL JOINT 5/16-24 LH
6	5046420	2	ROD, HYDRO LINKAGE
7	5400653A	2	MOUNT, REVERSE RETURN - BLK
8	5400636A	1	WELD, HANDLE MOTION CONTROL-LH - BLK
9	5025392	4	NUT, 5/16-18 HEX NYLON FLANGE
10	5101307	4	10MM BALL STUD, 5/16-18 X 3/4
11	5022645	2	SPRING, COMPRESSION
12	5023260	2	BUSHING, FLANGE 3/8ID X 7/8 LONG
13	5023212	2	NUT, 5/16 HEX LH
14	5025033	6	NUT, HEX 5/16-24
15	5020047	2	SET COLLAR, 5/16"
16	5025155	5	WASHER, 5/16" SAE
17	5025011X10	6	BOLT, 5/16-18 X 1-1/4" GD5
18	5025057	4	NUT 5/16-18 HEX NYLON LOCK
19	5100940	2	DAMPENER, CONTROL
20	5104493YP	1	BALL JOINT 5/16-24 RH
21	5048264	6	SPACER, .63 X .39 X 1.50
22	5025013X20	4	BOLT, 3/8-16 X 2-1/2" GD5 CZ
23	5025013X24	2	BOLT, 3/8-16 X 3" GD5 CZ
24	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
25	5021499	2	BEARING, FLANGE
26	5025096	8	NUT, 3/8-16 HEX NYLON LOCK
27	5025011X14	4	BOLT, 5/16-18 X 1-3/4" GD5
28	1931277	12	NUT, 5/16-18 HEX SM. SERR. FLG.
29	5025013X14	4	BOLT, 3/8-16 X 1-3/4" GD5 CZ
30	84008453	1	SHAFT, Control
31	5403619A	1	WELD, CONTROL SHAFT, LH - BLK
32	5409641A	1	WELD, NEUTRAL LOCK, LH - BLK
33	5409642A	1	WELD, NEUTRAL LOCK, RH - BLK
34	1930591	4	SCREW-HEX WZ LOCK FLNG 5/16-18X0.750BLK
35	1717050SM	2	SWITCH-PUSH BUTT
36	5025179X4	4	10-24 X .5 SCREW
37	5025029	4	NUT, HEX, #10-24
38	5401248	2	GUARD, RUBBER MOTION CONTROLS
39	5025431	4	PUSH RIVET (TREE TYPE) BLACK
40	5022068	2	GRIP, FOAM, 3/4" ID, 16" LONG
41	5400637A	1	WELD, HANDLE MOTION CONTROL, RH - BLK
42	5047004A	2	MOUNT, CONTROL ARM - BLK

Parking Brake Group (432PBR0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



Parking Brake Group (432PBR0)

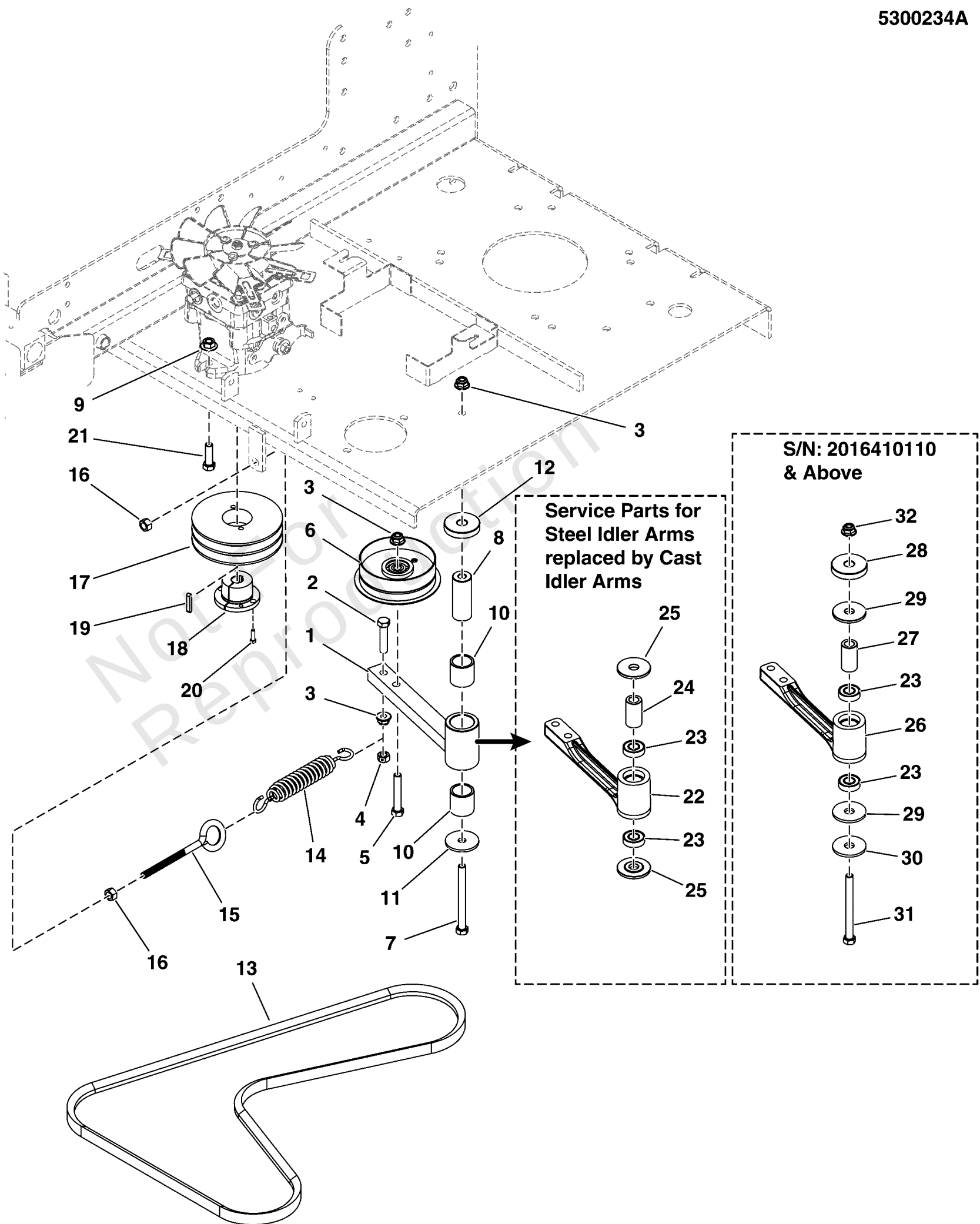
REF NO	PART NO	QTY	DESCRIPTION
1	5403948AYP	1	WELD, BRAKE SHAFT - BLK
2	5021397SM	2	GROMMET, 1-1/4
3	5023490SM	8	BOLT, 5/16-18 X 3/4 1
4	5025170SM	8	WASHER, 5/16" LOCK
5	5025013X6SM	4	BOLT, 3/8-16 X 3/4" G
6	5025394SM	6	NUT, 3/8-16 HEX NYLOCK
7	5025011X14SM	2	BOLT, 5/16-18 X 1-3/4
8	703115	2	NUT
9	5047084AYP	2	LINK, BRAKE LOCK - BLK
10	5025013X12SM	2	BOLT, 3/8-16 X 1-1/2"
11	5025128SM	2	NUT, 3/8-16 HEX SERRA
12	5102896YP	1	BRAKE DRUM, 5 BOLT -(S/N: 2015208612 & Above)
12	5023368SM	2	DRUM, 1-1/4 TAPER, 5 BOLT -(S/N: 2015208611 & Below)
12-1	5023368X1	5	STUD, BRAKE DRUM (SV) -(Replacement Brake Stud with 16 tooth knurl.)
12-2	5102896X1	5	STUD BRAKE DRUM KNOTT -(Replacement Brake Stud with 30 tooth knurl.)
13	5102897YP	1	BRAKE SHOE ASM, LH, K -(S/N: 2015208612 & Above)
13	5023500SM	1	BRAKE ASSEMBLY, LH -(S/N: 2015208611 & Below)
14	5102898SM	1	BRAKE SHOE ASM, RH, KNOTT -(Not Shown - S/N: 2015208612 & Above)
14	5023501SM	1	BRAKE ASSEMBLY, RH -(Not Shown - S/N: 2015208611 & Below)
15	5042134SM	2	SPACER, .32 X .75 X 1
16	5021098SM	2	BEARING, BRONZE FLANG
17	5101038SM	1	GRIP, FOAM
18	5041930SM	2	SPACER, .38 X .50 X .
19	5025156SM	2	WASHER, 3/8" SAE
20	5023320SM	2	SPRING, COMPRESSION
21	5048719SM	2	SPRING-COMP, .75 X .1
22	703302	2	WASHER, 5/16
23	5025045SM	2	NUT, 5/16-24 HEX NYLO
24	5100115SM	2	CABLE, PARKING BRAKE
25	5020979SM	2	CLEVIS, 5/16-24, Plastic
26	5025033SM	2	NUT, 5/16-24 Hex
27	5025213X8SM	2	PIN, CLEVIS, 5/16" X
28	5025203X10SM	2	PIN, COTTER, 1/8" X 1
29	5025139SM	2	NUT, 5/16-18 HEX SERR
30	5025430SM	1	CLAMP, 5/16, DOUBLE, WIRE & TUBE
31	5022853SM	1	SPANNER WRENCH
32	703570	1	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
33	7022886YP	1	SWITCH, DP NO/NC SNAP

Pump Drive Group (5300234A)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

5300234A



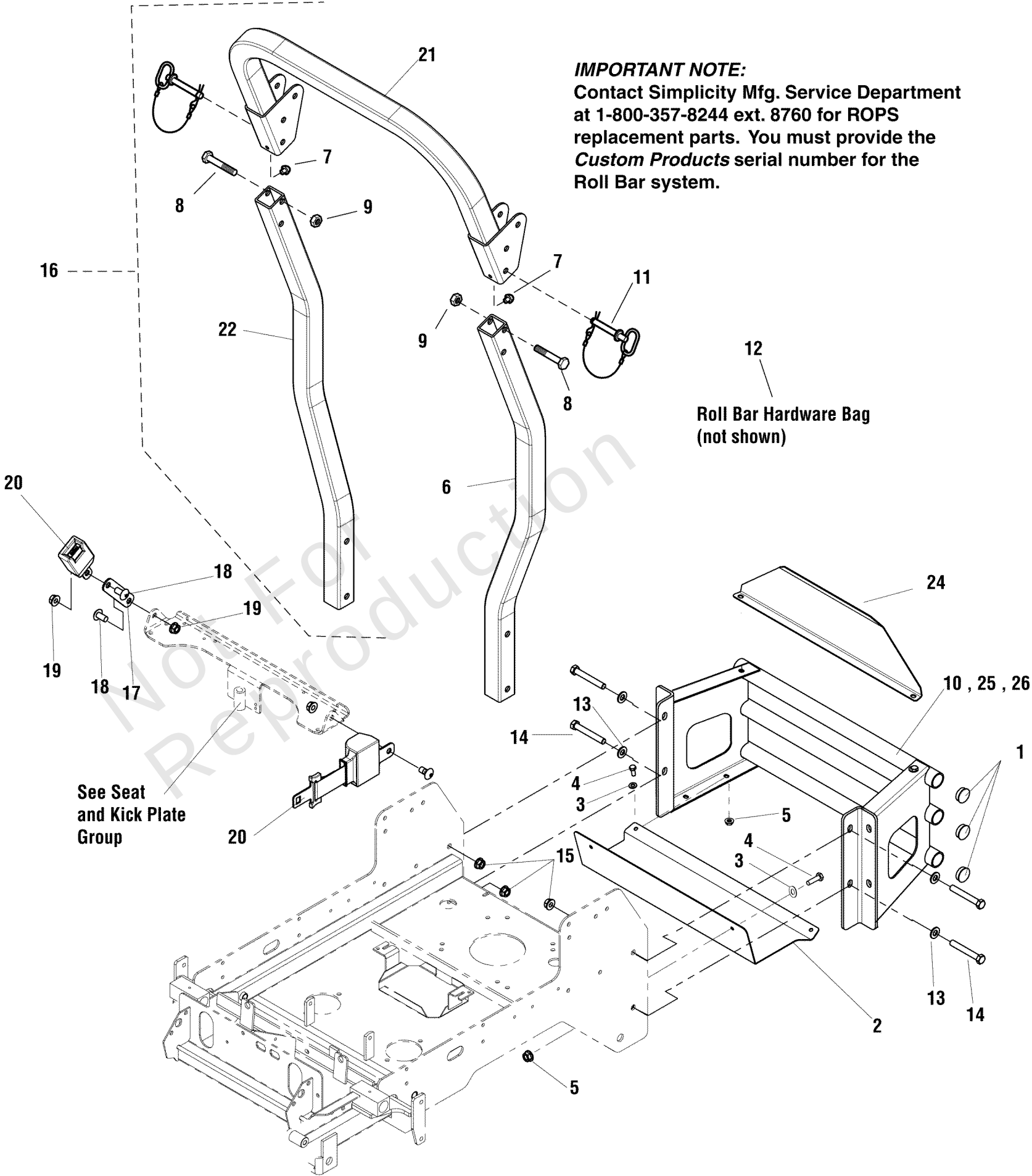
Pump Drive Group (5300234A)

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	NO LONGER AVAILBLE, USE ITEM # 22 -(S/N: 2016410109 & Below)
2	5025013X14SM	1	BOLT, 3/8-16 X 1-3/4"
3	5025394SM	3	NUT, 3/8-16 HEX NYLOCK -(Qty: 2 - S/N: 2016410110 & Above)
4	5025100SM	1	NUT, 3/8-16 HEX SIDE
5	5025013X18SM	1	BOLT, 3/8-16 X 2-1/4"
6	5103808YP	1	PULLEY, SINGLE FLANGED, 4"ODX3/8"ID
7	5025013X32SM	1	BOLT, 3/8-16 X 4" GD5 -(S/N: 2016410109 & Below)
8	5102004YP	1	SPACER, .39X1.00X2.55 -(S/N: 2016410109 & Below)
9	5025128SM	4	NUT, 3/8-16 HEX SERRA
10	5022157SM	2	BUSHING, BRASS, 1.25X -(S/N: 2016410109 & Below)
11	5025305SM	1	WASHER, .41 X 1.75 X -(S/N: 2016410109 & Below)
12	5045475SM	1	SPACER, .45 X 1.88 X -(S/N: 2016410109 & Below)
13	5100555SM	1	BELT,#41-1299, BANDED
14	5022847SM	1	SPRING, EXTENSION, SW
15	5021812SM	1	EYE BOLT, 3/8-16 X 4-
16	5025034SM	2	NUT, 3/8-16 HEX
17	5022586SM	2	PULLEY, PUMP DRIVE
18	5022587SM	2	BUSHING, TAPERED HUB
19	5023254SM	2	KEY, 5MM SQ. W/ RADIU
20	5025010X8SM	4	BOLT, 1/4-20 X 1", GD
21	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4"
22	5406895YP	1	ASSM, IDLER ARM, PUMP DRIVE, 3/8ID, CAST -(SV)(Includes items # 23 - 25)(5101178A)
23	7078243YP	2	BEARING, BALL, AXLE
24	5102580YP	1	SPACER
25	5102579YP	2	SPACER
26	5411066YP	1	ASSM, IDLER ARM, PUMP DRIVE, 1/2ID, CAST -(SV)(S/N: 2016410110 & Above)(5101178A)
27	5103812YP	1	SPACER, .52 X .84 X 1 -(S/N: 2016410110 & Above)
28	5103363YP	1	SPACER, .52 X 1.88 X .38 -(S/N: 2016410110 & Above)
29	5103262YP	2	SPACER, IDLER ARM -(S/N: 2016410110 & Above)
30	5103282YP	1	WASHER -(S/N: 2016410110 & Above)
31	5025017X32SM	1	BOLT, 1/2-13 X 4 GD5 YZ -(S/N: 2016410110 & Above)
32	5025396SM	1	NUT, 1/2-13 HEX NYLOCK FLANGE -(S/N: 2016410110 & Above)

Rear Bumper, Roll Bar & Seat Belt Group (279bmp0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



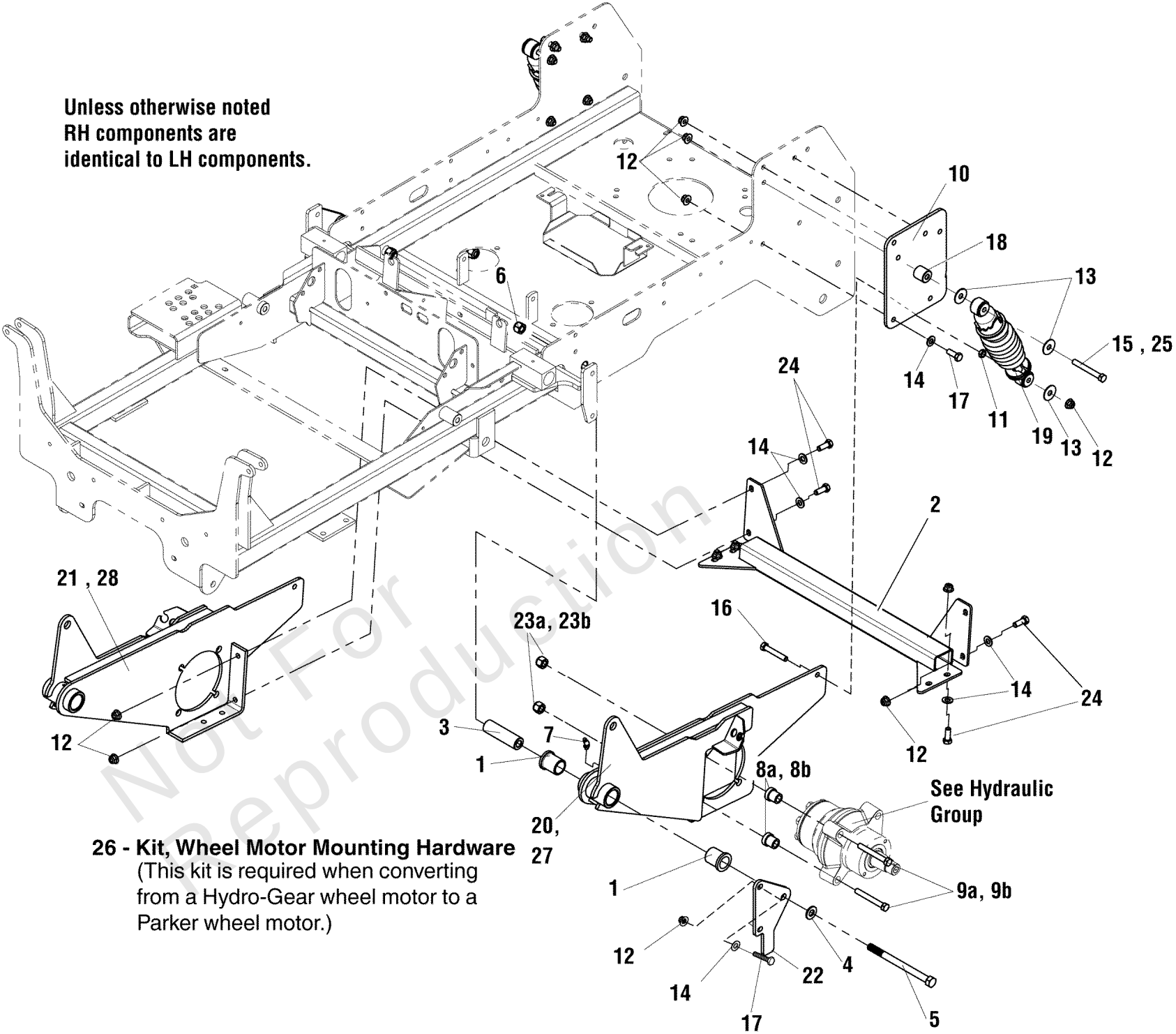
Rear Bumper, Roll Bar & Seat Belt Group (279bmp0)

REF NO	PART NO	QTY	DESCRIPTION
1	5023484SM	6	PLUG, PANEL, 1.25 - B
2	5409141AYP	1	PLATE, HEAT SHIELD - BLK
3	5025292SM	4	WASHER, 5/16" GD.9 FL
4	5025011X6SM	4	BOLT, 5/16-18 X 3/4"
5	703115	4	NUT
6	-----	1	ROLL BAR POST, LH -(See drawing note.)
7	5100383SM	2	RUBBER BUMPER
8	-----	2	BOLT
9	-----	2	NUT
10	5409140CYP	1	WELD, BUMPER - ORANGE -(S/N: 2016294925 & Below)
11	5100079SM	2	PIN, HINGE W/ LANYARD
12	5100377SM	1	ROLL BAR HARDWARE BAG -(Includes Ref. Nos 11, 25 and 26.)
13	5025158SM	4	WASHER, 1/2" SAE
14	5025017X26SM	4	BOLT, 1/2-13
15	5025396SM	4	NUT, 1/2-13 HEX NYLOCK FLANGE
16	-----	1	ROPS (Call 1-800-933-6175 ext. 2193 if replacing a ROPS)
17	5401044CSM	1	EXTENSION, SEAT BELT
18	5100267SM	3	SCREW, 1/2-13 X 1.00,
19	5025396SM	3	NUT, 1/2-13 HEX NYLOCK FLANGE
20	5100139SM	1	SEAT BELT, RETRACTING
21	-----	1	ROLL BAR TOP LOOP -(See drawing note.)
22	-----	1	ROLL BAR POST, RH -(See drawing note.)
24	5400681CSM	1	PLATE, CARB PROTECTOR
25	5410565CYP	1	WELD, BUMPER - ORANGE -(S/N: 2016294926 & Above)(49M9770144G5 Engine - S/N: 2016409322 & Above)
26	5409140CYP	1	WELD, BUMPER - ORANGE -(49M9770144G5 Engine - S/N: 2016409321 & Below)

Rear Suspension Group (423SUS0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



Rear Suspension Group (423SUS0)

REF NO	PART NO	QTY	DESCRIPTION
1	5021541SM	4	BUSHING, FLANGE
2	5600188YP	1	KIT, TIE BAR, 61 (5404051A)
3	5061339SM	2	SPACER, .52 X 1.00 X
4	5025158SM	2	WASHER, 1/2" SAE
5	5025017X52SM	2	BOLT, 1/2-13 X 6-1/2"
6	5025056SM	2	NUT, 1/2-13 HEX NYLON LOCK
7	5020095SM	2	GREASE FITTING, 1/4-2
8a	5061670SM	8	SPACER, .53 X 1.00 X 1.00 -(S/N: 2014344991 & BELOW)
8b	5102689YP	8	SPACER, .53 X 1.00 X -(S/N: 2014344992 & ABOVE)
9a	5025017X28SM	8	BOLT, 1/2-13 X 3-1/2" -(S/N: 2014344991 & BELOW)
9b	5025553YP	8	BOLT, 1/2-13 X 3.5, D -(S/N: 2014344992 & ABOVE)
10	5061751CSM	2	PLATE, FRAME SUPPORT
11	5046860SM	2	SPACER
12	5025394SM	24	NUT, 3/8-16 HEX NYLOCK
13	5025165SM	6	WASHER, 3/8" FENDER
14	5025156SM	20	WASHER 3/8" SAE
15	5025013X28SM	1	BOLT, 3/8-16 X 3-1/2"
16	5025013X18SM	2	BOLT, 3/8-16 X 2-1/4"
17	5025013X8SM	14	BOLT, 3/8-16 X 1" GD5
18	5103427YP	2	SPACER
19	5023436SM	2	SHOCK ABSORBER
20	5401166CSM	1	WELD, MOTOR MOUNT, LH - ORANGE -(S/N: 2016364869 & Below)
21	5401165CSM	1	WELD, MOTOR MOUNT, RH - ORANGE -(S/N: 2016364869 & Below)
22	5400648AYP	2	SUPPORT, SWING ARM - BLK
23a	5025396SM	8	NUT, 1/2-13 NEX NYLOCK FLANGE -(S/N: 2014344991 & BELOW)
23b	5025330SM	8	NUT, 1/2-13 -(S/N: 2014344992 & ABOVE)
24	5025013X10SM	8	BOLT, 3/8-16 X 1-1/4"
25	5025013X28SM	1	BOLT, 3/8-16 X 3-1/2"
26	5600578YP	2	* KIT, WHEEL MOTOR MOUNTING HARDWARE
27	5410891CYP	1	WELD, MOTOR MOUNT, LH - ORG -(S/N: 2016364870 & Above)
28	5410890CYP	1	WELD, MOTOR MOUNT, RH - ORG -(S/N: 2016364870 & Above)

Footnotes:

Note:* This kit is required when converting from a Hydro-Gear wheel motor to a Parker wheel motor.

Seat Mount & Floor Group - S/N: 2016269735 & Below (432SKP0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

Seat Replacement Parts

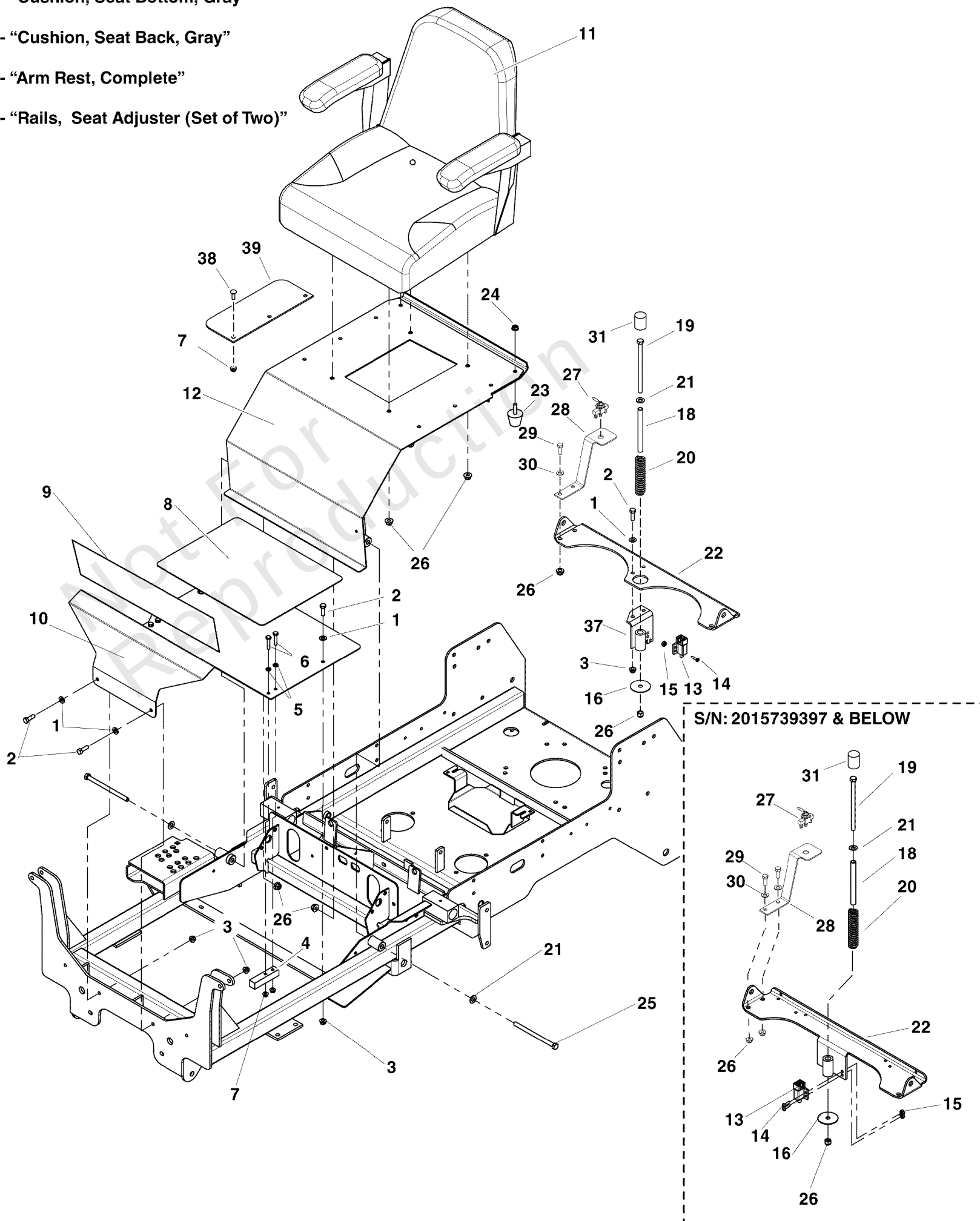
32 - "Spring, Extension, 4" Seat Adjusters"

33 - "Cushion, Seat Bottom, Gray"

34 - "Cushion, Seat Back, Gray"

35 - "Arm Rest, Complete"

36 - "Rails, Seat Adjuster (Set of Two)"



Seat Mount & Floor Group - S/N: 2016269735 & Below (432SKP0)

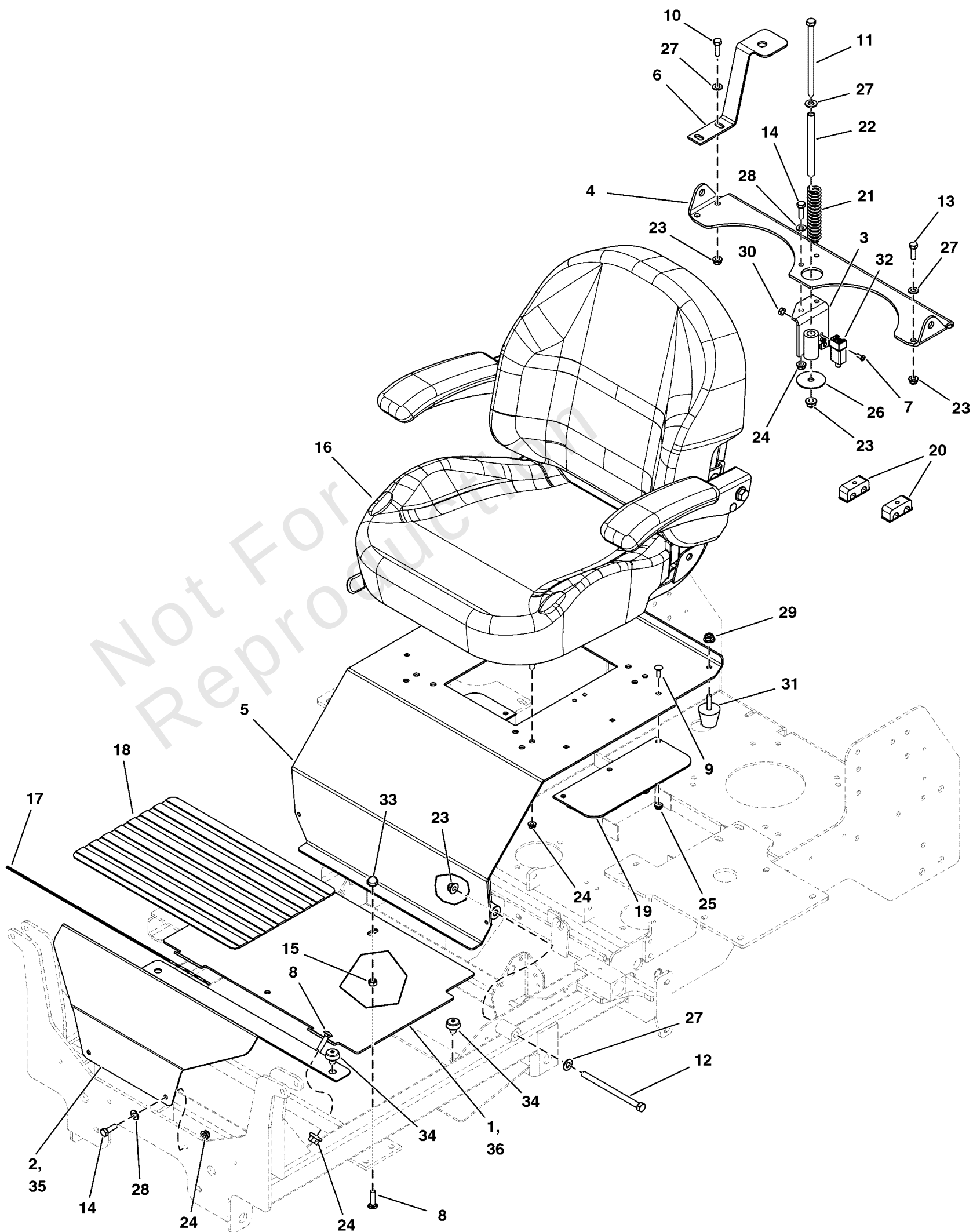
REF NO	PART NO	QTY	DESCRIPTION
1	703302	4	WASHER, 5/16
2	703570	4	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
3	703115	4	NUT
4	5100643SM	2	BLOCK, DECK LIFT SUPPORT
5	703332	4	WASHER
6	5025010X10SM	4	BOLT, 1/4-20 X 1-1/4"
7	703463	4	NUT, GR5, 1/4-20
8	5101013SM	1	SAFETY WALK, 11.50 X
9	5101011SM	1	SAFETY WALK, 8.00 X 1
10	5404137CSM	1	PLATE, FLOOR, IS2000
11	5103354YP	1	SEAT -(S/N: 2015381237 & ABOVE)
11	5103004YP	1	SEAT, LOW, COMPANION -(S/N: 2014582799 - 2015381236)
11	5022031SM	1	SEAT, GRAY, COMPLETE -(S/N: 2014582798 & BELOW)
12	5401589CSM	1	WELD, SEAT PLATE
13	5022094SM	1	SWITCH, PLUNGER, N.C.
14	5025179X4SM	2	SCREW- #10-24 X 1/2 ROUND PHILLIPS
15	5025029SM	2	NUT, #10-24 HEX
16	5025326SM	1	WASHER, .39 X 2.00 X
17	5025096SM	1	NUT, 3/8-16 HEX NYLON
18	5046586SM	1	SPACER, .38 X .50 X 5
19	5025013X48SM	1	BOLT, 3/8-16 X 6" GD5
20	5100356SM	1	SPRING, .688 ID X .13
21	5025156SM	3	WASHER 3/8" SAE
22	5409406CYP	1	PLATE, SEAT SUPPORT -(S/N: 2015739398 & ABOVE)
22	5401940CYP	1	WELD, SEAT SUPPORT -(S/N: 2015739397 & BELOW)
23	5022612SM	2	BUMPER, RUBBER 5/16-1
24	1931277SM	2	NUT, 5/16-18 HEX SM. SERR. FLG.
25	5025013X44SM	2	BOLT, 3/8-16 X 5-1/2"
26	5025394SM	10	NUT, 3/8-16 HEX NYLOCK
27	5023358SM	1	VALVE, FUEL, STR. OUT
28	5401162AYP	1	MOUNT, FUEL SELECTOR SWITCH - BLK
29	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4"
30	5025156SM	4	WASHER, 3/8" SAE
31	5100500SM	1	CAP, VINYL, .937 ID X 1.00
32	5100636SM	1	SEAT ADJ. - SPRING -(SV)(Not an illustrated part.) (2" Total unstretched length)
33	5102760X2YP	1	SEAT CUSHION
34	5102760X1YP	1	SEAT BACK CVR
35	5102760X3YP	1	ARM REST, COMPANION
36	5102760X4YP	1	SLIDE RAILS
37	5409468CYP	1	BRACKET, SPRING SWITCH -(S/N: 2015739398 & ABOVE)
38	703575	6	BOLT, 1/4-20X.750, SQ -(S/N: 2015739398 & ABOVE)(80003518)
39	5100389YP	2	PLATE, SEAT, RUBBER F -(S/N: 2015739398 & ABOVE)

Seat Mount & Floor Group - S/N: 2016269736 & Above (5300230)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527

5300230



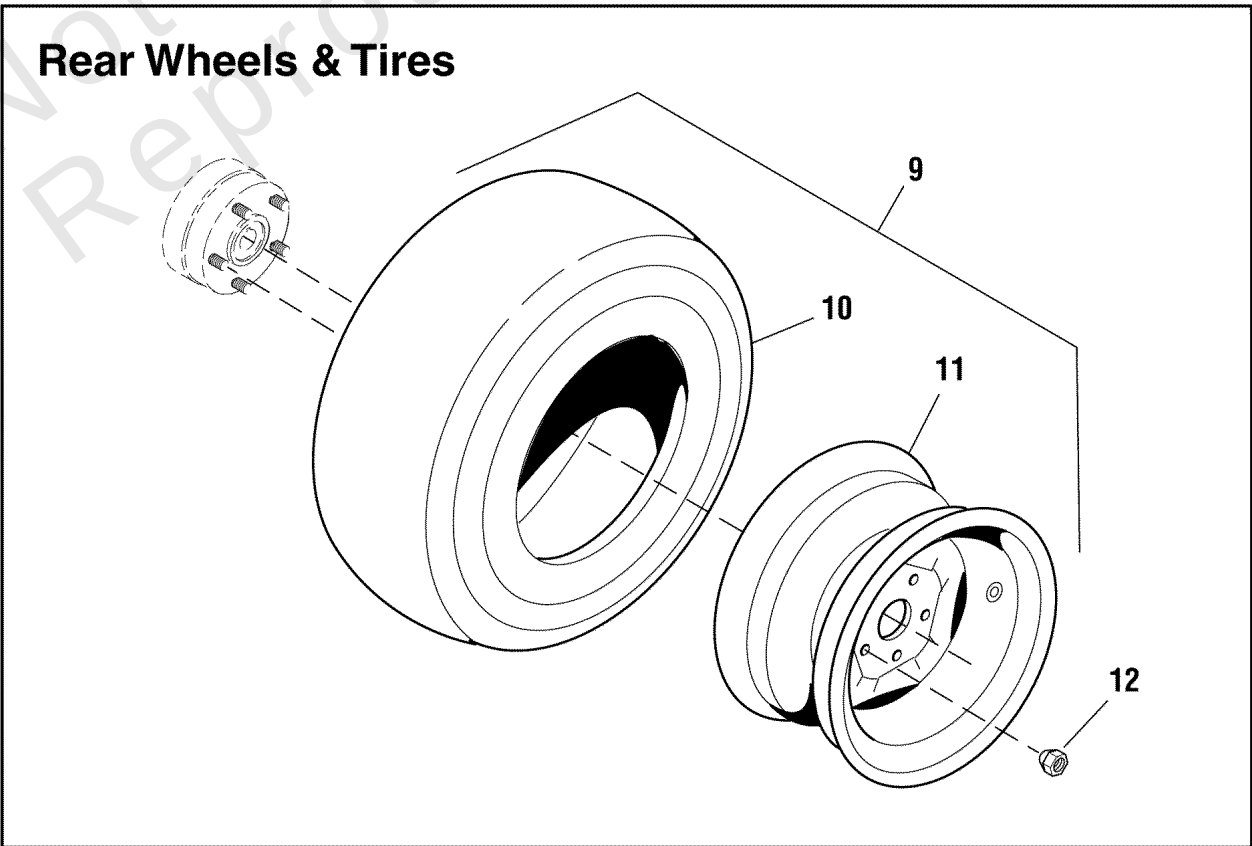
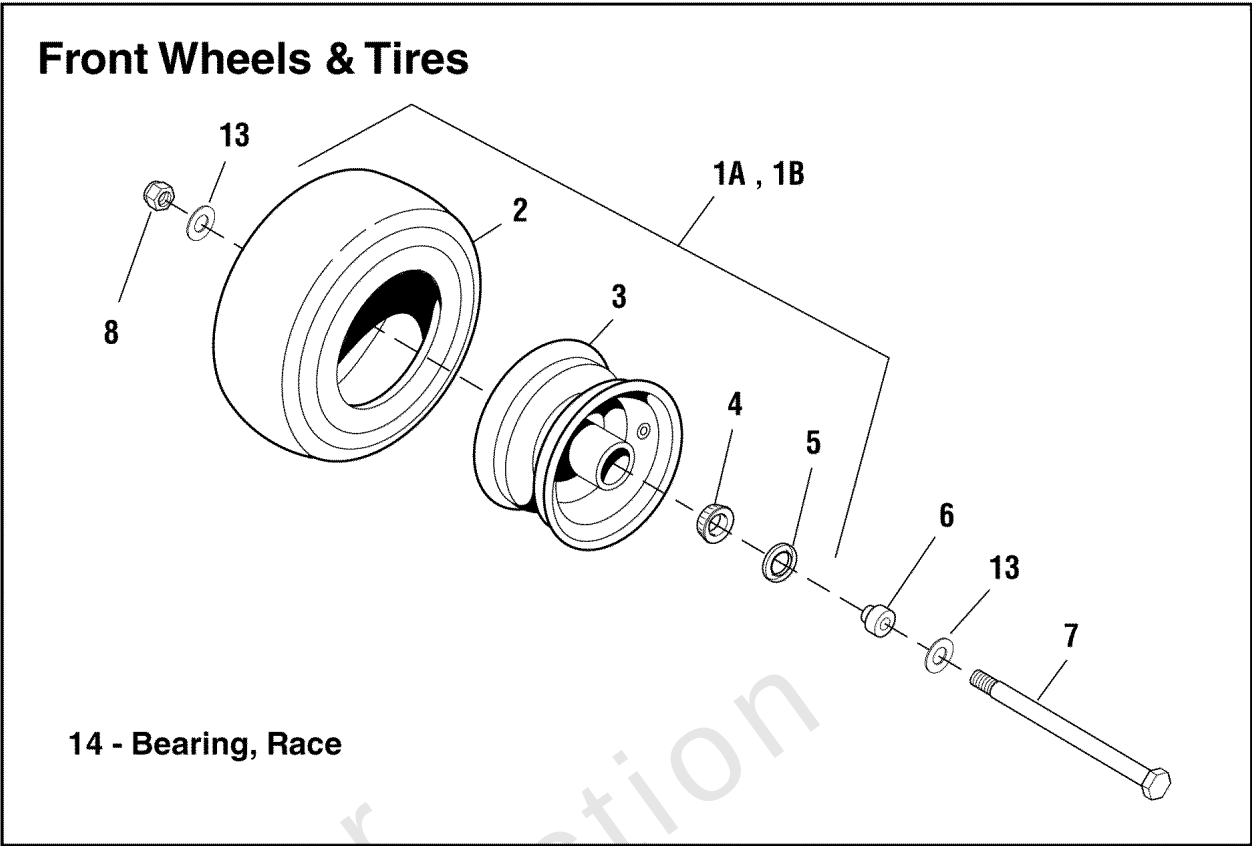
Seat Mount & Floor Group - S/N: 2016269736 & Above (5300230)

REF NO	PART NO	QTY	DESCRIPTION
1	5410467CYP	1	PLATE, FLOOR REMOVABLE, COBALT - ORG -(S/N: 2016269736 - 2016322687)
2	5410466CYP	1	PLATE, FRONT FLOOR, COBALT - ORG -(S/N: 2016269736 - 2016322687)
3	5409468CYP	1	WELD, BRACKET, SPRING SWITCH - ORG
4	5409406CYP	1	PLATE, SEAT SUPPORT - ORG
5	5401589CSM	1	WELD, SEAT PLATE - COBALT - ORG
6	5401162AYP	1	BRACKET, FUEL VALVE, COBALT - BLK
7	5025179X6SM	2	SCREW - #10-24
8	5025145X8SM	3	BOLT, 5/16-18 X 1", C
9	703575	6	BOLT, 1/4-20X.750, SQ -(80003518)
10	5025013X8SM	2	BOLT, 3/8-16 X 1" GD5
11	5025013X48SM	1	BOLT, 3/8-16 X 6" GD5
12	5025013X44SM	2	BOLT, 3/8-16 X 5-1/2"
13	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4"
14	703570	4	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
15	703164	1	NUT
16	5103354YP	1	SEAT
17	5101374YP	1	SAFETY WALK, FLOOR RE
18	5101333YP	1	SAFETY WALK, FLOOR PL
19	5100389YP	2	PLATE, SEAT, RUBBER F
20	5100381SM	2	CLAMP, 1/2" HOSE, DOUBLE, PLASTIC
21	5100356SM	1	SPRING, .688 ID X .13
22	5046586SM	1	SPACER, .38 X .50 X 5
23	5025394SM	5	NUT, 3/8-16 HEX NYLOCK
24	703115	10	NUT
25	703463	6	NUT, GR5, 1/4-20
26	5025326SM	1	WASHER, .39 X 2.00 X
27	5025156SM	5	WASHER, 3/8 SAE
28	703302	4	WASHER, 5/16
29	5025127SM	2	NUT, 5/16-18 HEX SERR
30	5025029SM	2	NUT, #10-24 HEX
31	5022612SM	2	BUMPER, RUBBER 5/16-1
32	5022094SM	1	SWITCH, PLUNGER, N.C.
33	5025528YP	1	ACORN NUT, 5/16-18 S/S
34	197546GS	6	MOUNT-VIBRATION
35	5410763CYP	1	PLATE, FRONT FLOOR, COBALT - ORG -S/N: 2016322688 & Above
36	5410762CYP	1	PLATE, FLOOR REMOVABLE, COBALT - ORG -S/N: 2016322688 & Above

Wheel & Tire Group (279whl0)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



Wheel & Tire Group (279whl0)

REF NO	PART NO	QTY	DESCRIPTION
1a	5022631SSM	2	WHEEL & TIRE ASSEMBLY, 13 x 5.0 - 6, Complete
1b	5023280SM	2	TIRE ASSEMBLY, 13X5.00-6 (Silver Rim)
2	5022029X1SM	2	TIRE, 13 x 5.0 - 6
3	5022631SX1SM	2	WHEEL ASSEMBLY, for 13 x 5.0 - 6 Tire, Complete
4	5022631SX2SM	4	BEARING, TAPERED CONE -(2 per tire)
5	5022631SX3SM	4	SEAL, GREASE -(2 per tire)
6	5047103SM	4	ADAPTER, Caster Wheel -(2 per tire)
7	5025017X64SM	2	BOLT, 1/2-13 X 8" GD5
8	5025056SM	2	NUT, 1/2-13 Hex Nylon Lock
9	5023369SM	2	WHEEL & TIRE ASSEMBLY, 22 x 11 - 10, Complete -(48" & 52" Models)
10	5023369X2SM	2	TIRE, 22 X 11.0 - 10 -(48" & 52" Models)
11	5023369X1SM	2	WHEEL ASSEMBLY, 10 X 7
12	5020601SM	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER
13	5025158SM	4	WASHER, 1/2" SAE
14	5022631SX4SM	2	BEARING, RACE -(Not shown)

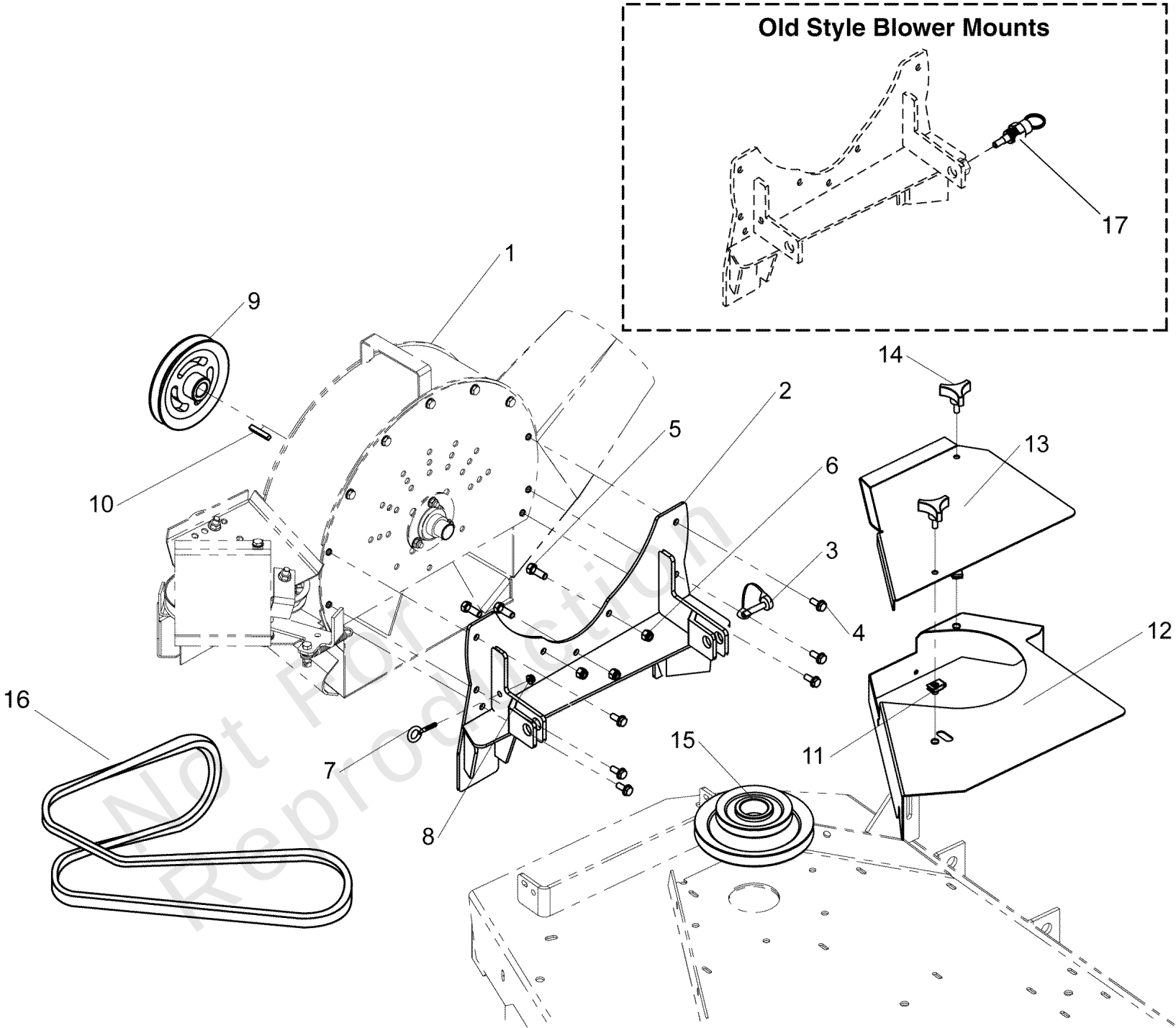
Footnotes:

Note:* Optional solid urethane tire assembly.

Blower Mount & Drive Group (5300250)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5900527



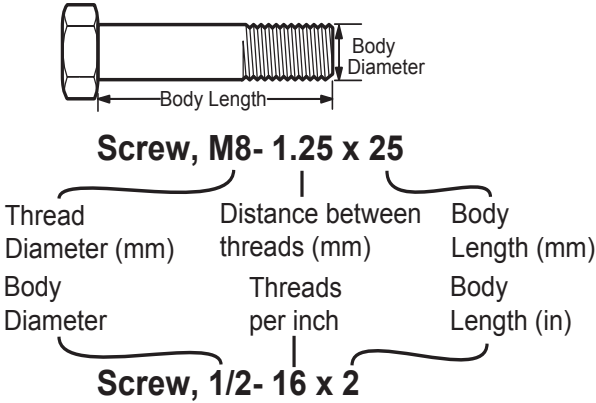
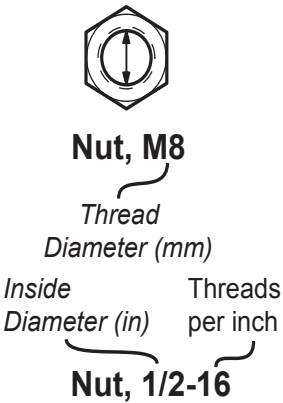
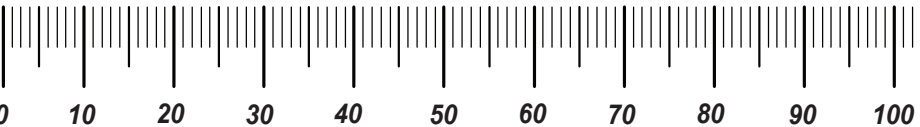
Blower Mount & Drive Group (5300250)

REF NO	PART NO	QTY	DESCRIPTION
1	-----	-	BLOWER ASSEMBLY
2	5402633A	1	WELD, BLOWER MOUNT, 48" - BLACK -(For Citation w/ 48" Deck)
2	5402354ASM	1	WELD, BLOWER MOUNT, 5 -(For Citation w/ 52" Deck S/N: 2012628762 & Below)
2	5402380A	1	WELD, BLOWER MOUNT, 61" - BLK -(For Cobalt w/ 61 Decks)
2	5403650ASM	1	WELD, BLOWER MOUNT, 5 -(For Citation w/ 52" Deck S/N: 2012628763 & Above)
3	5100847SM	2	SNAPPERPIN -(S/N: 2012628762 & BELOW)
4	7091811SM	6	HFLB, 5/16C X5/8 GR5
5	25013-8	3	BOLT, 3/8-16 x 1" GD5
6	5025096SM	3	NUT, 3/8-16 HEX NYLON
7	5022205SM	1	EYEBOLT, 1/4-20 X 2
8	703463	1	NUT, GR5,1/4-20
9	5046806SM	1	PULLEY, BLOWER AXLE,
9	5046807	1	PULLEY, BLOWER AXLE, 52
9	5046808	1	PULLEY
10	5022726	1	KEY 1/4 SQ x 1-1/2 LONG
11	5022308SM	2	BODY CLIP, 5/16-18 X
12	5061858ASM	1	GUARD, DECK - BLACK
12	5400189A	1	WELD, GUARD DECK
13	5400007ASM	1	GUARD, DECK - BLACK
13	5400190A	1	BELT SHIELD
14	5022319SM	2	KNOB, PLASTIC, 5/16-1
15	5023176SM	1	PULLEY, BLOWER 48" DE
15	5023177SM	1	PULLEY, BLOWER 52" DE
15	5046702SM	1	PULLEY,DECK,61" BLOWE
16	5022844SM	1	BELT, #7-6718, 92.0"
16	5021006SM	1	BELT, #7-6717, 88.8"
17	5100010SM	2	PIN, SPRING LOADED -(S/N: 2012628763 & ABOVE)

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).

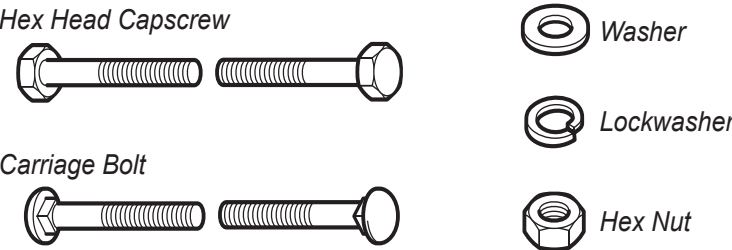
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

