



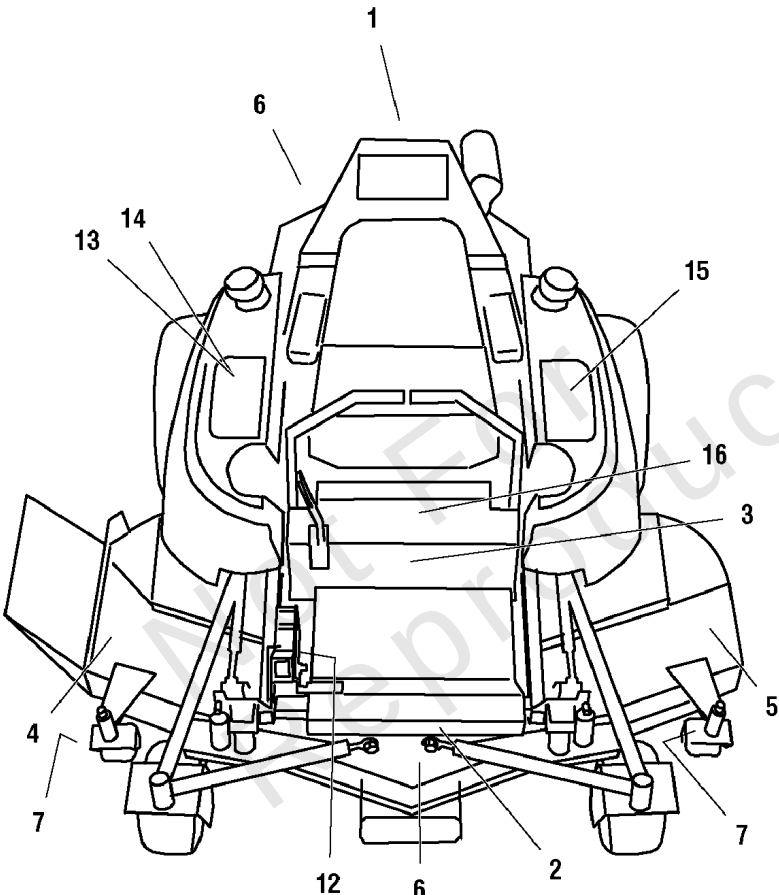
Parts Manual

Mfg. No: 5901066
IS4000Z Series w/ 61" Mower Deck
(IS4000ZKAV27/61)

5901096 - 61" Mower Deck (4000/61).....

Not For
Reproduction

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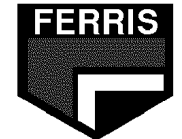


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2 — **IS INDEPENDENT SUSPENSION**

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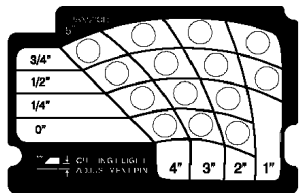
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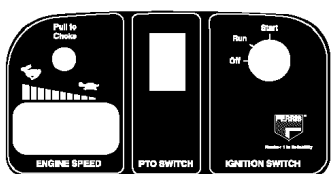
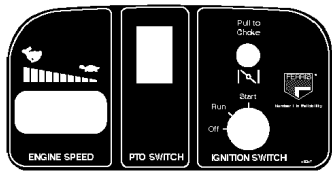
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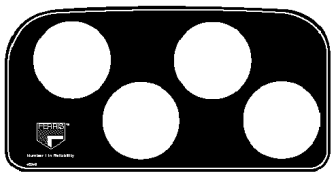


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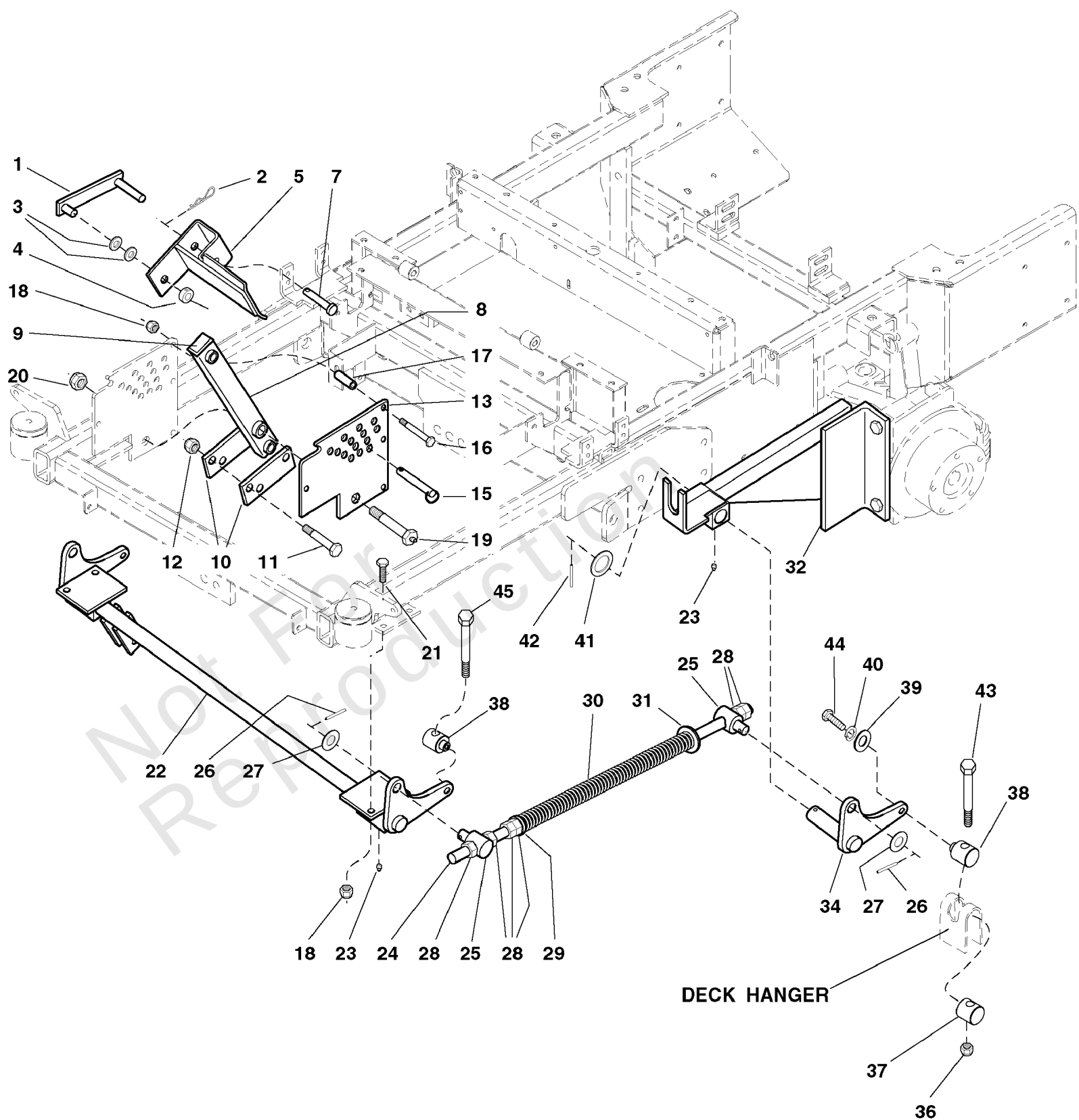
Decal Group

REF NO	PART NO	QTY	DESCRIPTION
1	5022227	1	DECAL, Ferris Logo, 6-3/8"
2	5022555	1	DECAL, IS Independent Suspension
3	5022556	1	DECAL, Ferris Logo, 5"
4	1704277	1	DECAL, Danger (Chute In Place)
5	1704276	1	DECAL, Danger (Hand Under Deck)
6	5103184	2	DECAL, Warning
7	5021036	2	DECAL, Grease Daily
8	5046481	1	DECAL, Caution Fan -(located on radiator fan shroud)
9	5045923	1	DECAL, Oil Reservoir -(located under seat)
10	5022813	1	DECAL, 61
11	5022814	1	DECAL, 72
12	5022063	1	DECAL, Deck Height
13	5046347	1	DECAL, Control Panel -(IS4000Z/D31, S/N: 101 - 275)
14	5046601	1	DECAL, Control Panel-RH -(Briggs model, S/N: 276 & above / Kawasaki model - All)
15	5046348	1	DECAL, Gauge Panel
16	5046387	1	DECAL, Safety/Instruction

Deck Lift Group

Note: Unless noted otherwise, use the standard torque specifications

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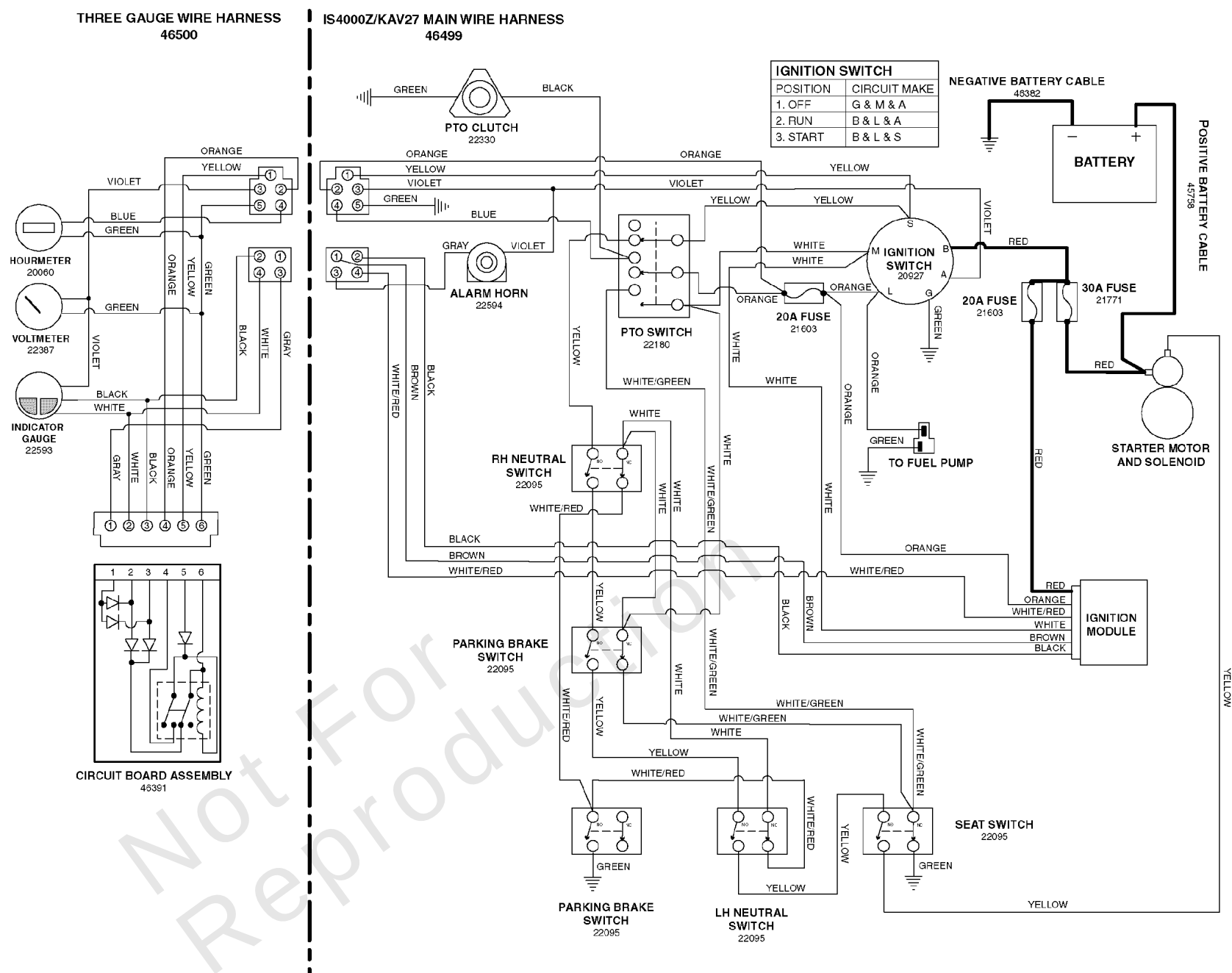
Deck Lift Group

REF NO	PART NO	QTY	DESCRIPTION
1	5044999B	1	DECK LIFT LOCK
2	5025210	1	HAIRPIN CLIP
3	5025158	2	WASHER, 1/2 SAE
4	5010580	1	COLLAR, 1/2" Set
5	5045058B	1	WELD, DECK LIFT PEDAL
6	5044875	1	PEDAL SAFETY WALK -(Not Shown)
7	5022044	1	PIN, Clevis, 1/2 x 2-1/2
8	5044987B	1	ARM, Deck Lift Pivot
9	5022097	1	CAP
10	5044994B	2	DECK LIFT LINK
11	5025018X24	2	BOLT, 1/2-20 x 3
12	5025098	2	NUT, Hex, Nylon Lock, 1/2-20
13	5045379B	1	DECK HEIGHT PLATE
14	5022063	1	DECAL, Deck Height -(Not Shown)
15	5022045	1	PIN, 1/2 x 3
16	5025013X22	4	BOLT, 3/8-16 X 2-3/4" GD5 CZ
17	5044992	4	SPACER, .38 x .50 x 1.56
18	5025096	8	NUT, 3/8-16 HEX NYLON LOCK
19	5044993	1	LIFT PIVOT BOLT
20	5025282	1	NUT, 5/8-11 Hex Jam Nylon Lock
21	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
22	5045743B	1	DECK LIFT SHAFT & MOUNT ASSEMBLY
23	5020095	4	GREASE FITTING
24	5022393	2	SPRING ROD
25	5045856	4	SPRING ROD PIVOT
26	5022366	4	PIN, Spring, 3/16 x 1-1/4
27	5025281	4	WASHER, 5/8" SAE
28	5025040	12	NUT, 5/8-11 Hex
29	5041477	2	SPACER, .63 x 1.06 x .23
30	5022333	2	SPRING, Deck Lift
31	5025159	2	WASHER, 5/8" USS
32	5045684	1	REAR DECK LIFT FRAME- LH
33	5045685	1	REAR DECK LIFT FRAME - RH -(Not Shown)
34	5045767B	1	DECK LIFT PIVOT-LH
35	5045766B	1	DECK LIFT PIVOT-RH -(Not Shown)
36	5025056	4	NUT, 1/2-13 HEX NYLON LOCK
37	5045857	4	DECK PIVOT Bushing
38	5045855	4	LIFT BOLT PIVOT
39	5025155	4	WASHER, 5/16" SAE
40	5025170	4	WASHER, 5/16 LOCK CZ
41	5021253	2	SHIM
42	5025516	2	PIN, Roll, 3/16 x 1-1/2
43	5025017X48	2	BOLT, 1/2-13 x 6
44	5025012X6	4	BOLT, 5/16-24 x 3/4
45	5025017X48	2	BOLT, 1/2-13 x 6 -(72" MOWER HOUSING, S/N: 101-435)
45	5025017X64	2	BOLT, 1/2-13 x 8 -(All 61" MOWER HOUSING / 72" MOWER HOUSING, S/N: 436 & up)

Electrical Schematic - Charging Circuit - Kawasaki

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Electrical Schematic - Charging Circuit - Kawasaki

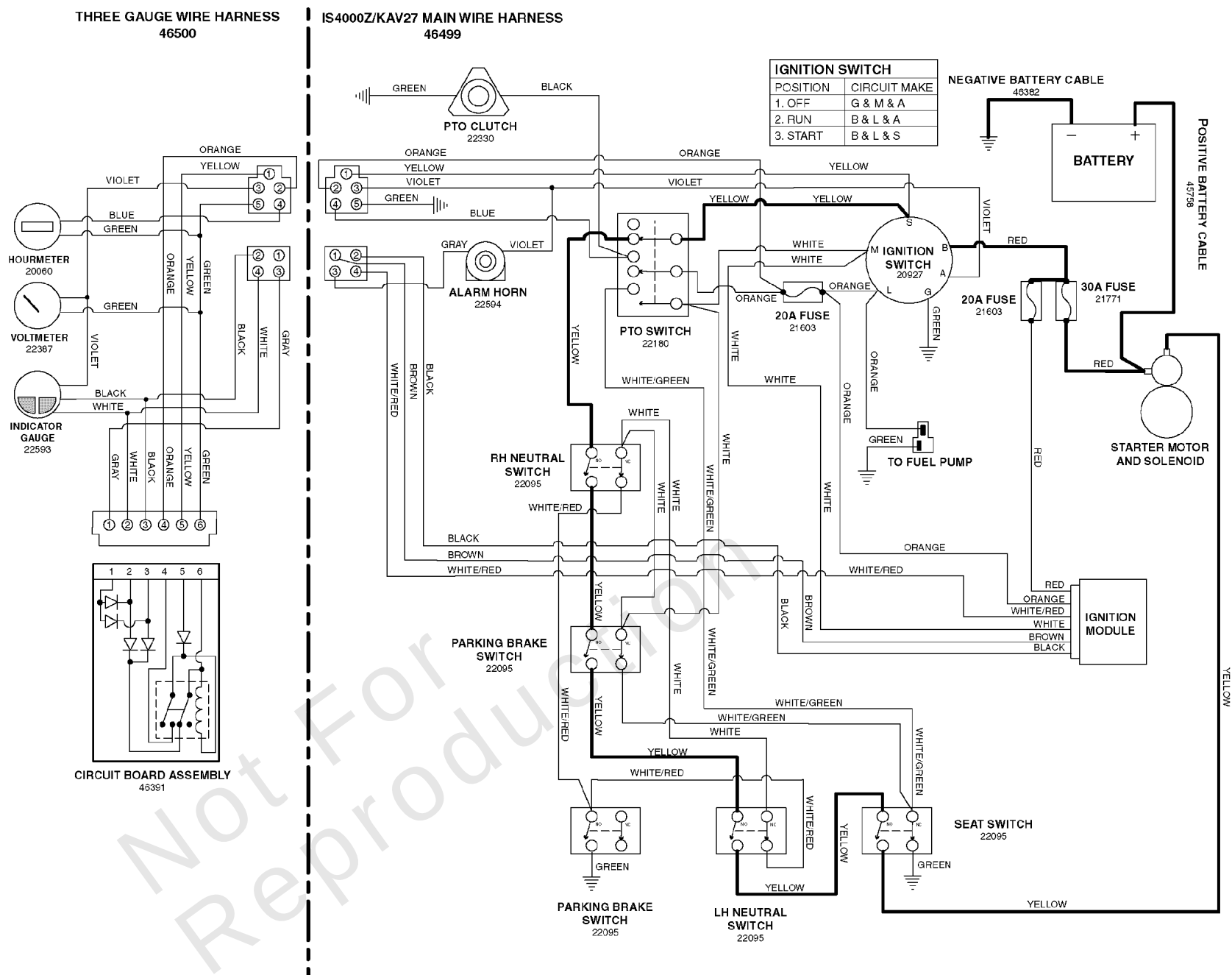
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Not For Reproduction

Electrical Schematic - Cranking Circuit - Kawasaki

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Electrical Schematic - Cranking Circuit - Kawasaki

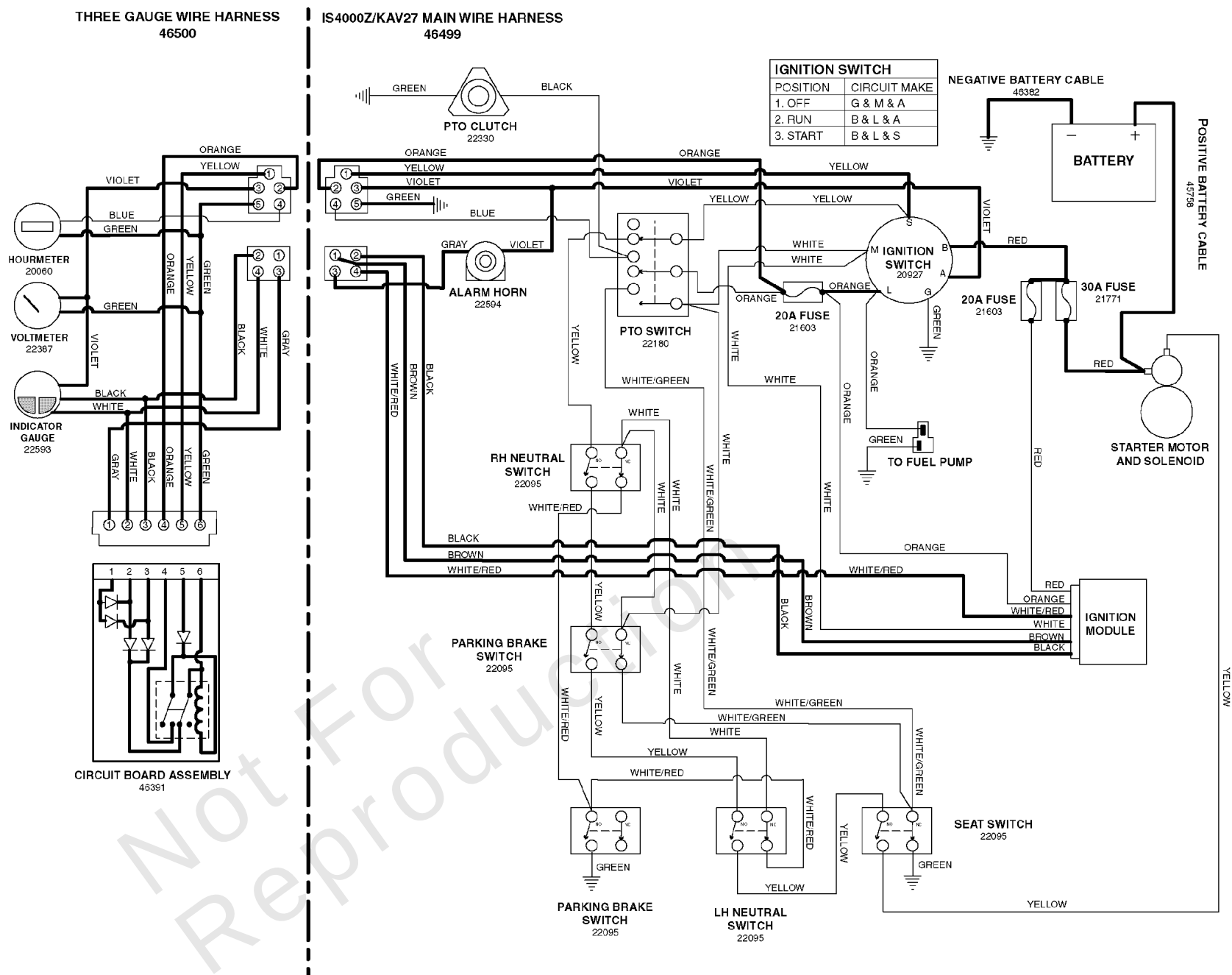
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Not For Reproduction

Electrical Schematic - Gauges & Alarm Circuit - Kawasaki

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Electrical Schematic - Gauges & Alarm Circuit - Kawasaki

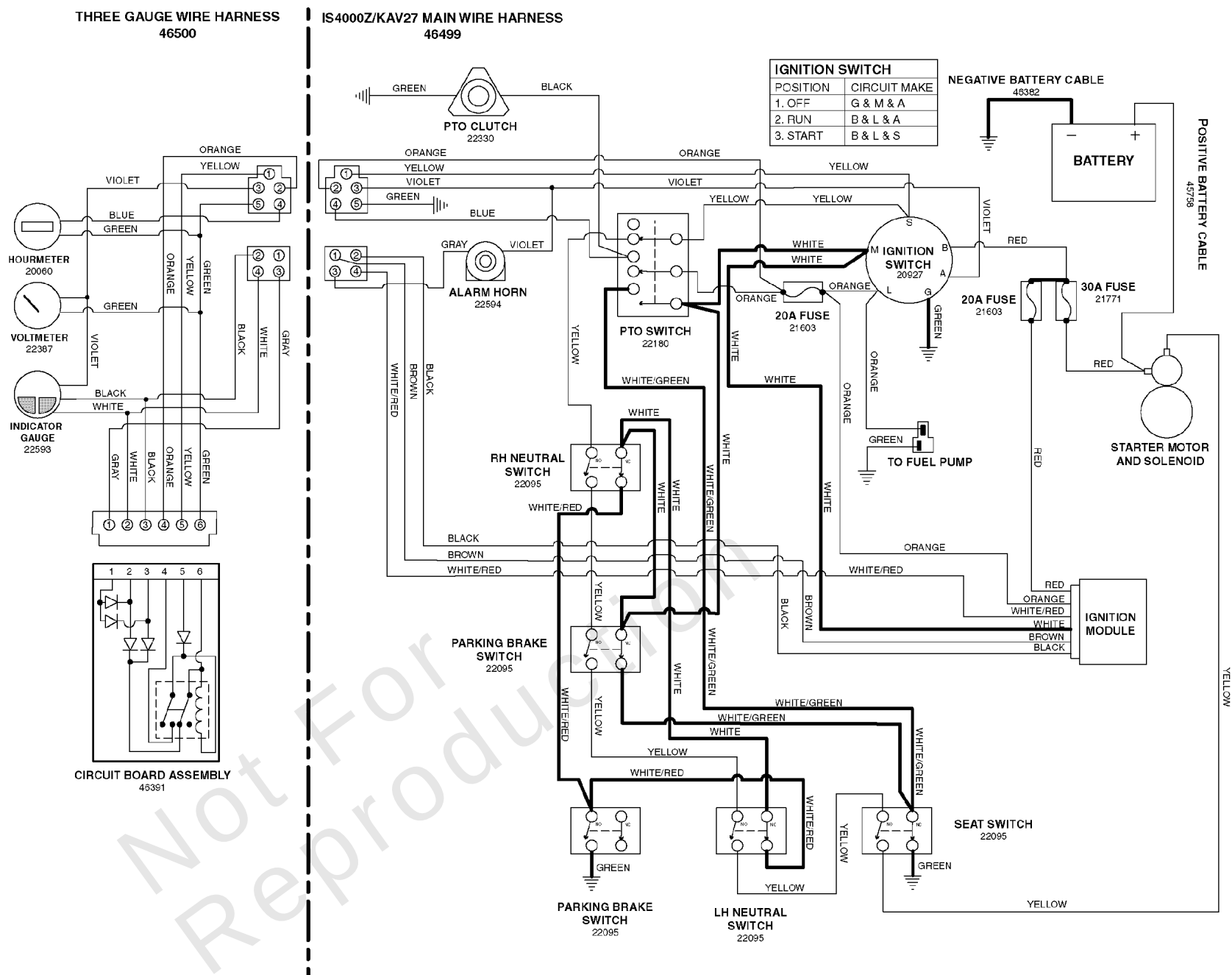
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Not For Reproduction

Electrical Schematic - Operator Presence/Safety Circuit - Kawasaki

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Electrical Schematic - Operator Presence/Safety Circuit - Kawasaki

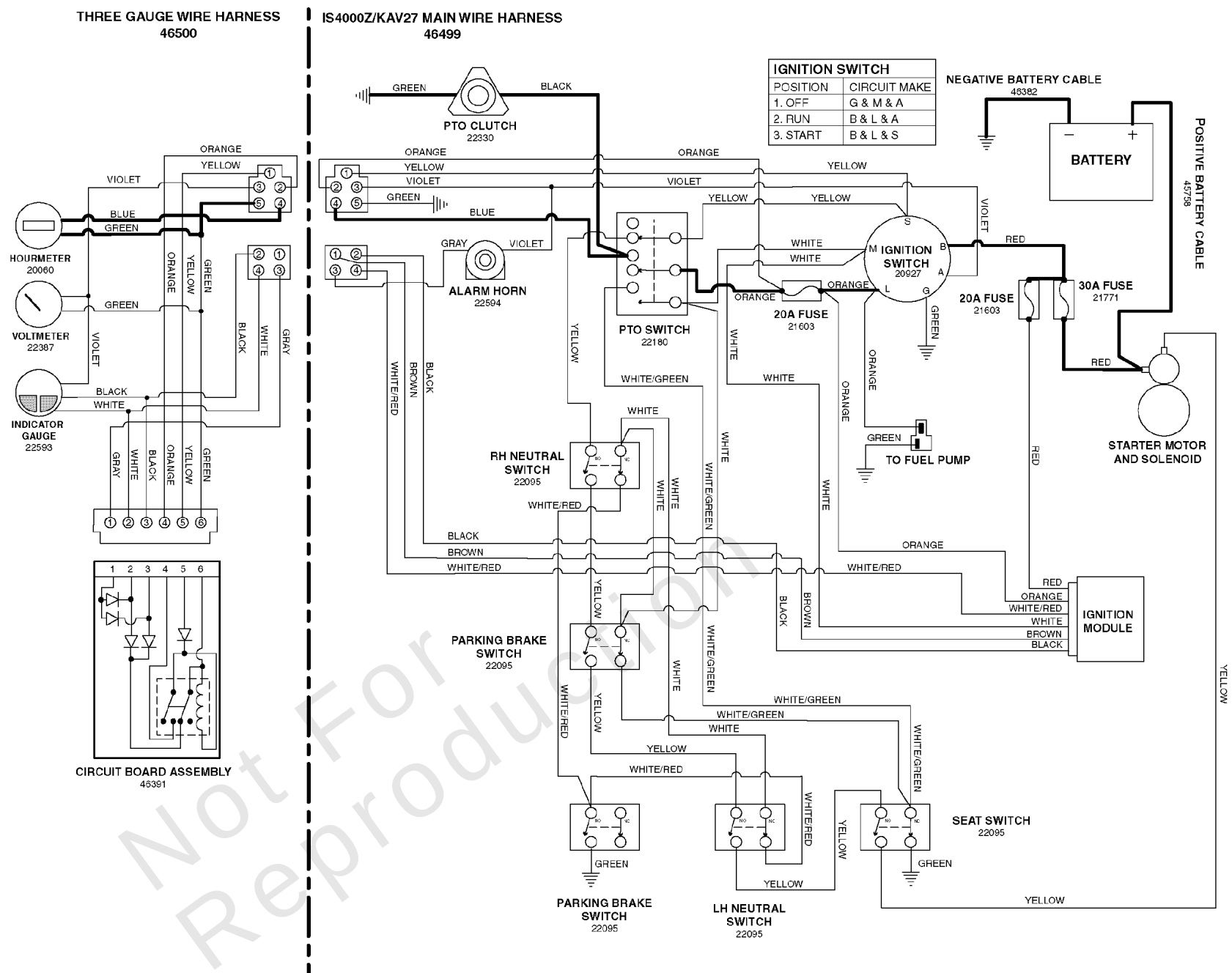
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Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - Kawasaki

Note: Unless noted otherwise, use the standard torque specifications

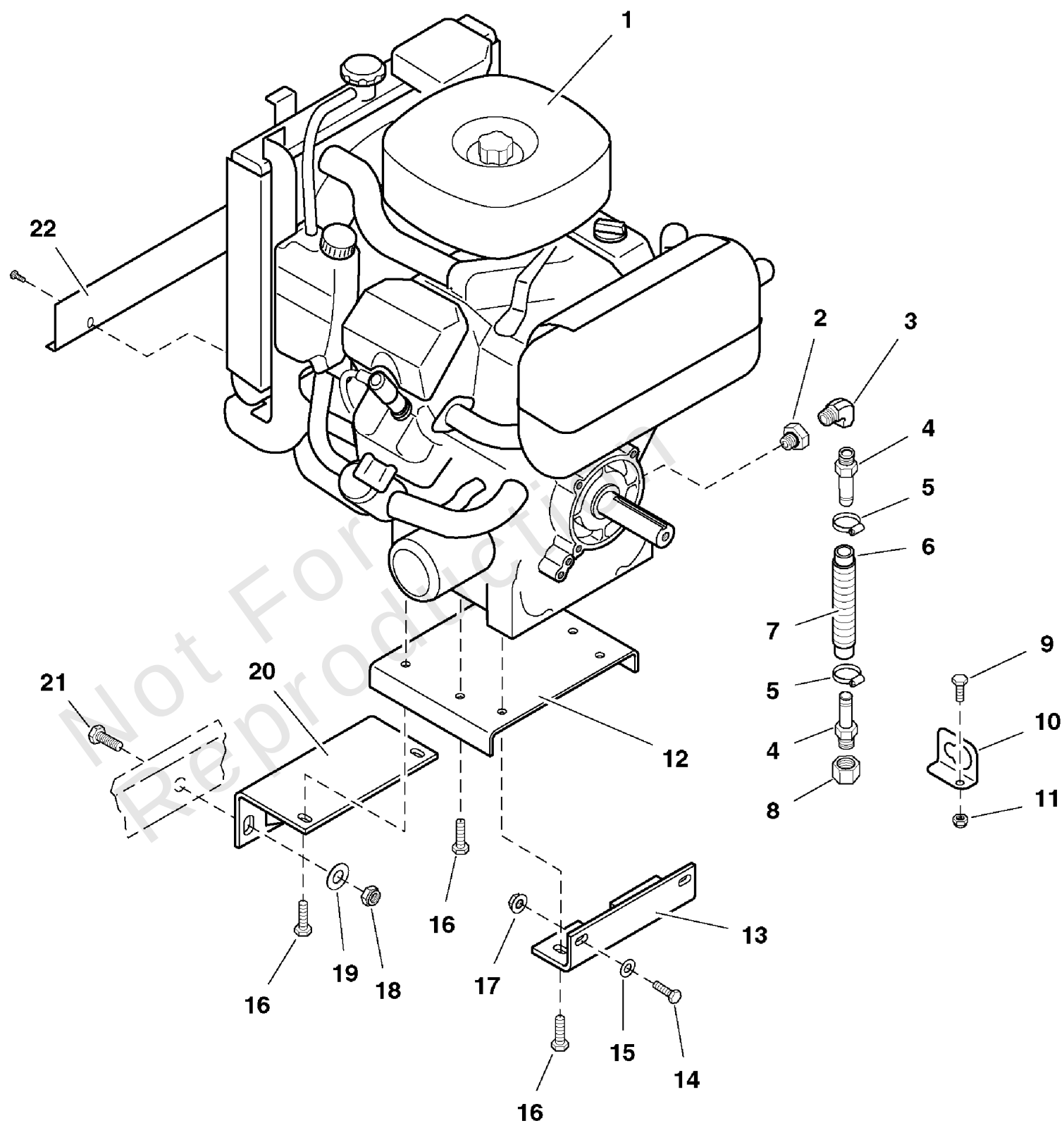
Mfg. No: 5901066



Electrical Schematic - PTO Clutch Circuit - Kawasaki

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction



Engine & Mount Group - Kawasaki

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	ENGINE, Kawasaki (Model FD750V)
2	5022801	1	FITTING, Oil Drain Adapter
3	5022802	1	FITTING, 3/8NPT Elbow
4	5021372	2	FITTING, 3/8NPT-1/2" Hose, Straight
5	5021392	2	CLAMP, #6 Hose
6	5050857X7	1	HOSE, 7"
7	5050862X6	1	WIRE LOOM, 6"
8	5021466	1	CAP, 3/8 NPT
9	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
10	5046166B	1	ANCHOR, Oil Drain
11	5025057	1	NUT, 5/16-18 Hex Nylon Lock
12	5046506B	1	PLATE, Engine Mount
13	5046507B	1	SUPPORT, Engine Plate
14	5025013X12	2	BOLT, 3/8-16 X 1-1/2" GD5 CZ
15	5025156	2	WASHER, 3/8 SAE
16	5025329	6	BOLT, M10 x 25MM
17	5025128	2	NUT, 3/8-16 Hex Serrated Flange
18	5025098	2	NUT, Hex, Nylon Lock, 1/2-20
19	5025158	2	WASHER, 1/2 SAE
20	5046630B	1	MOUNT, Engine Plate
21	5025018X12	2	BOLT, 1/2-20 X 1-1/2, GD5 CZ
22	5046529B	1	BAFFLE, Radiator

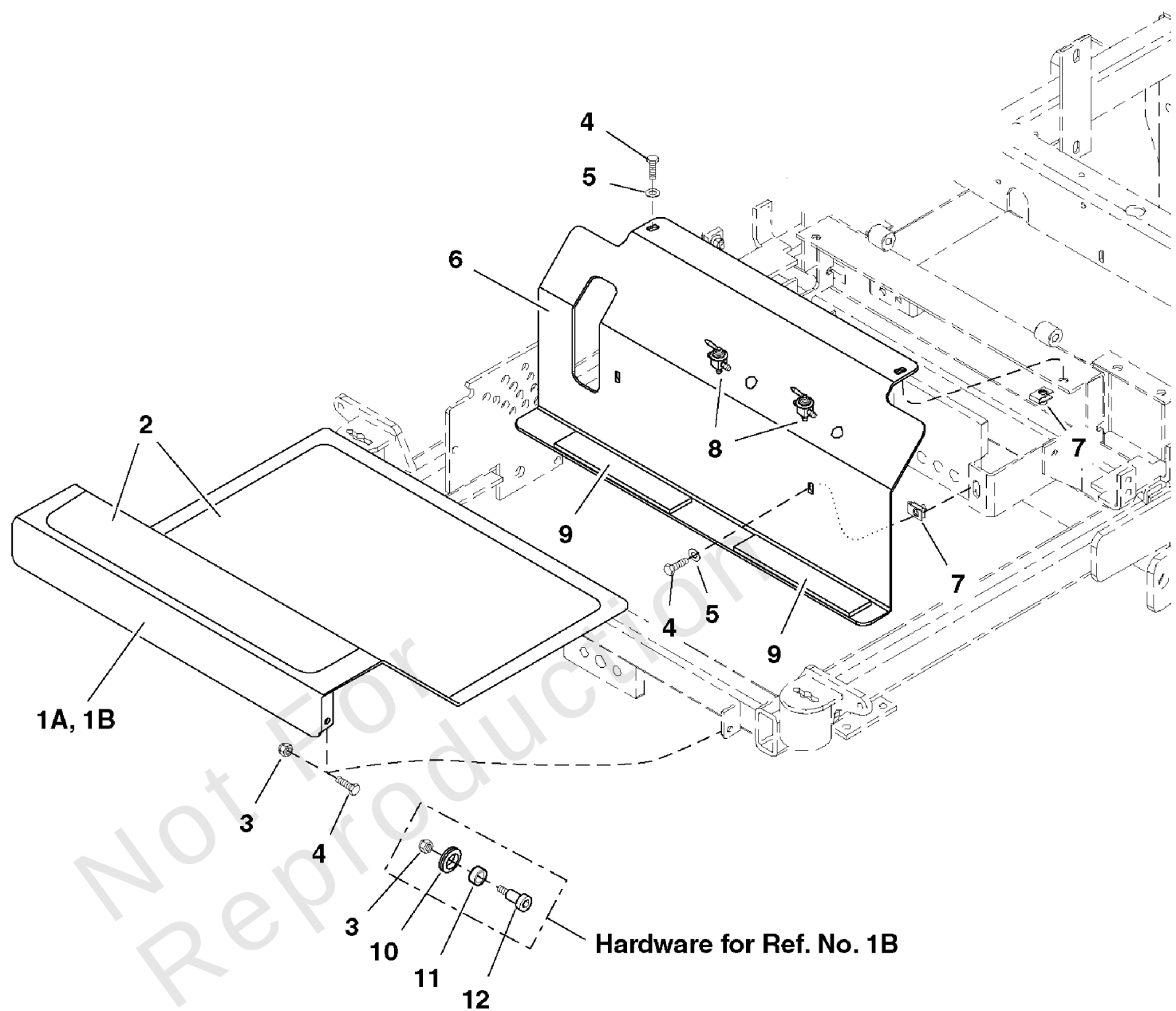
Footnotes:

- See your local Kawasaki engine dealer for parts & service.

Floor Pan & Brake Cover Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066

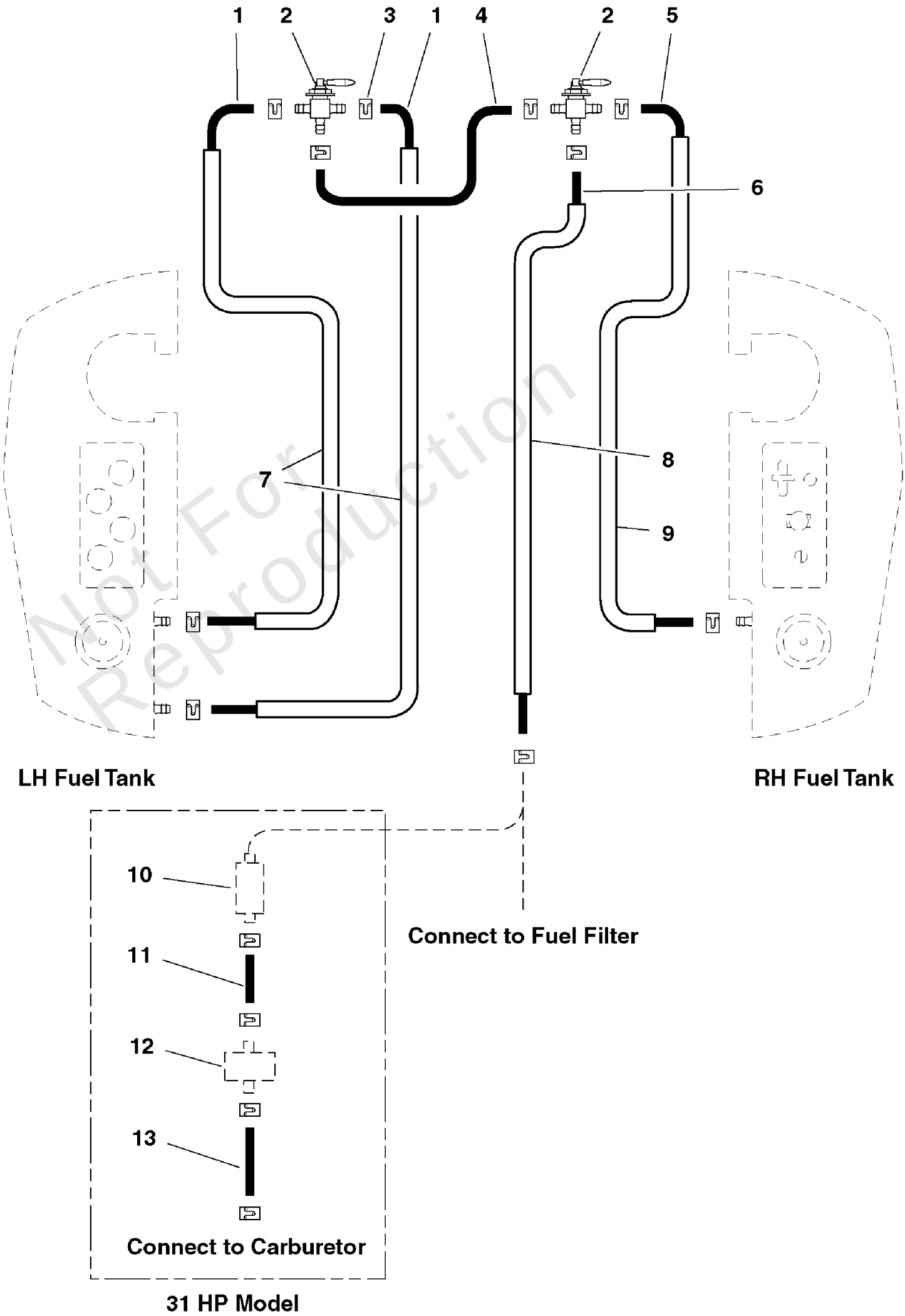


Floor Pan & Brake Cover Group

REF NO	PART NO	QTY	DESCRIPTION
1A	5046381B	1	FLOOR PAN -(IS4000Z/D31 S/N: 101-315 / IS4000Z/KAV27 S/N: 101-120)
1B	5046670B	1	FLOOR PAN -(IS4000Z/D31, S/N: 316 & above / IS4000Z/KAV27, S/N: 121 & above)
2	5101113	2	SAFETY WALK, 11.50 X 19.00 -WAS 5044873
3	5025057	2	NUT, 5/16-18 Hex Nylon Lock
4	5025011X8	6	BOLT, 5/16-18 X 1 GD5 YZ
5	5025155	4	WASHER, 5/16" SAE
6	5046230B	1	BRAKE COVER PANEL
7	5022308	4	BODY CLIP, 5/16-18-7GA MATERIAL
8	5022030	2	VALVE, Fuel Shut Off
9	5021877	2	RUBBER PAD
10	5022816	2	GROMMET
11	5041600	2	SLEEVE
12	5025340	2	SHOULDER BOLT, 3/8 x 5/8

Fuel Supply Hose Group

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901066



Fuel Supply Hose Group

REF NO	PART NO	QTY	DESCRIPTION
1	5050831X44	2	1/4" Fuel Line, 44" Long
2	5022030	2	VALVE, Fuel Shut Off
3	93807	14	CLAMP, Hose -(Briggs & Stratton Models)
3	93807	10	CLAMP, Hose -(Kawasaki Models)
4	5050831X8	1	1/4" Fuel Line, 8" Long
5	5050831X48	1	1/4" Fuel Line, 48" Long
6	5050831X52	1	1/4" Fuel Line, 52" Long
7	5050833X43	2	WIRE LOOM, 43"
8	5050833X51	1	WIRE LOOM, 51"
9	5050831X47	1	HOSE, 1/4" FUEL, 47.00"
10	-----	1	FUEL FILTER
11	5050831X2	1	1/4" Fuel Line, 2" Long
12	-----	1	FUEL PUMP
13	5050831X24	1	1/4" Fuel Line, 24" Long

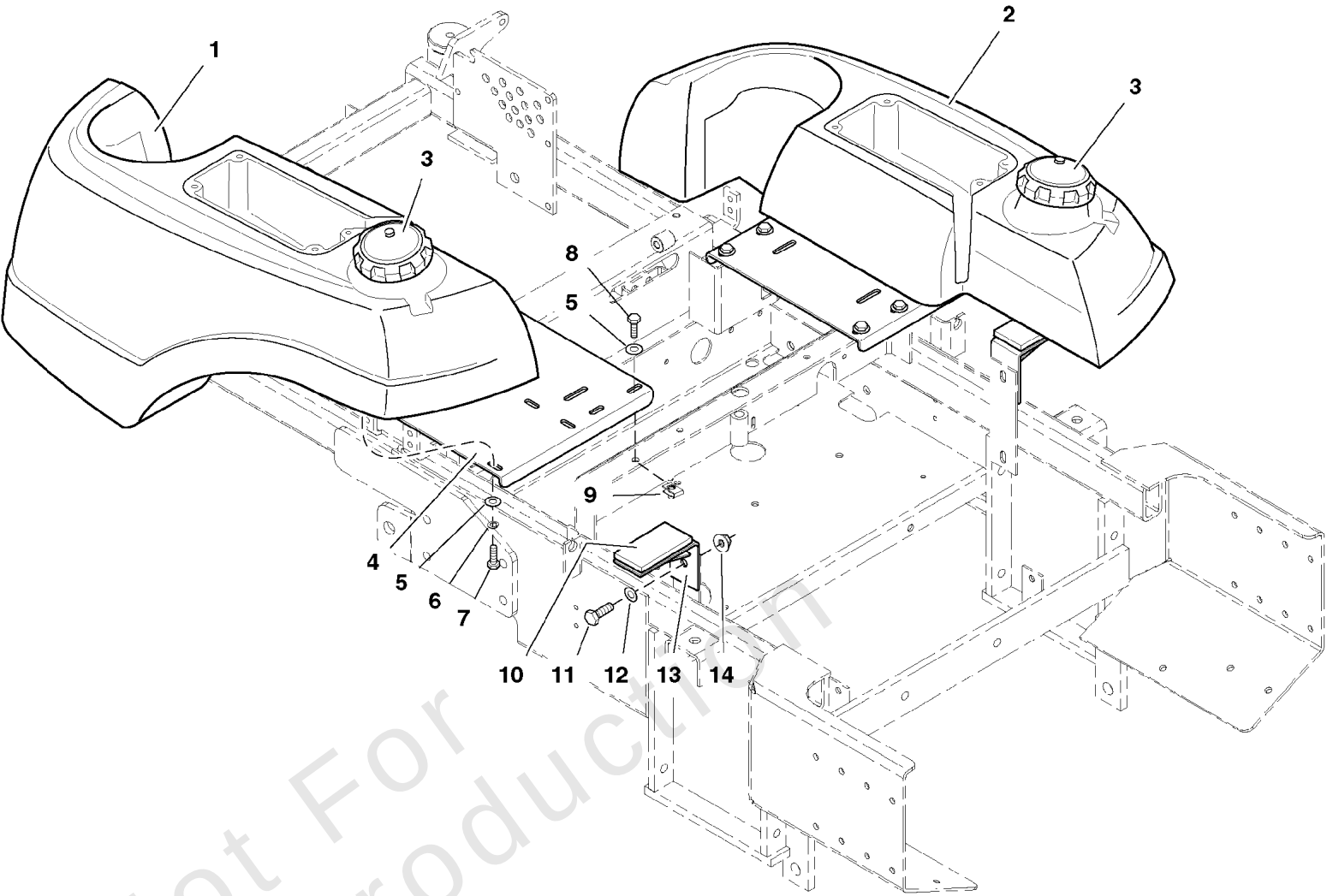
Footnotes:

- See your local Briggs & Stratton engine dealer for parts & service.

Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Fuel Tank & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	5046155	1	*FUEL TANK, IS4000Z, LH
1	5046273	1	Filler Neck
2	5046156	1	FUEL TANK, IS4000Z, RH
2	5046273	1	Filler Neck
3	5022158	2	CAP, FUEL TANK, 3-1/2 NECK
4	5046200B	2	PLATE, Fuel Tank Mount
5	5025155	16	WASHER, 5/16" SAE
6	5025170	8	WASHER, 5/16 LOCK CZ
7	5025011X6	8	BOLT, 5/16-18 X 3/4 GD5
8	5025011X8	8	BOLT, 5/16-18 X 1 GD5 YZ
9	5022308	8	BODY CLIP, 5/16-18-7GA MATERIAL
10	5021877	2	RUBBER PAD
11	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
12	5025156	2	WASHER, 3/8 SAE
13	5046474B	2	SUPPORT, Fuel Tank
14	5025128	2	NUT, 3/8-16 Hex Serrated Flange

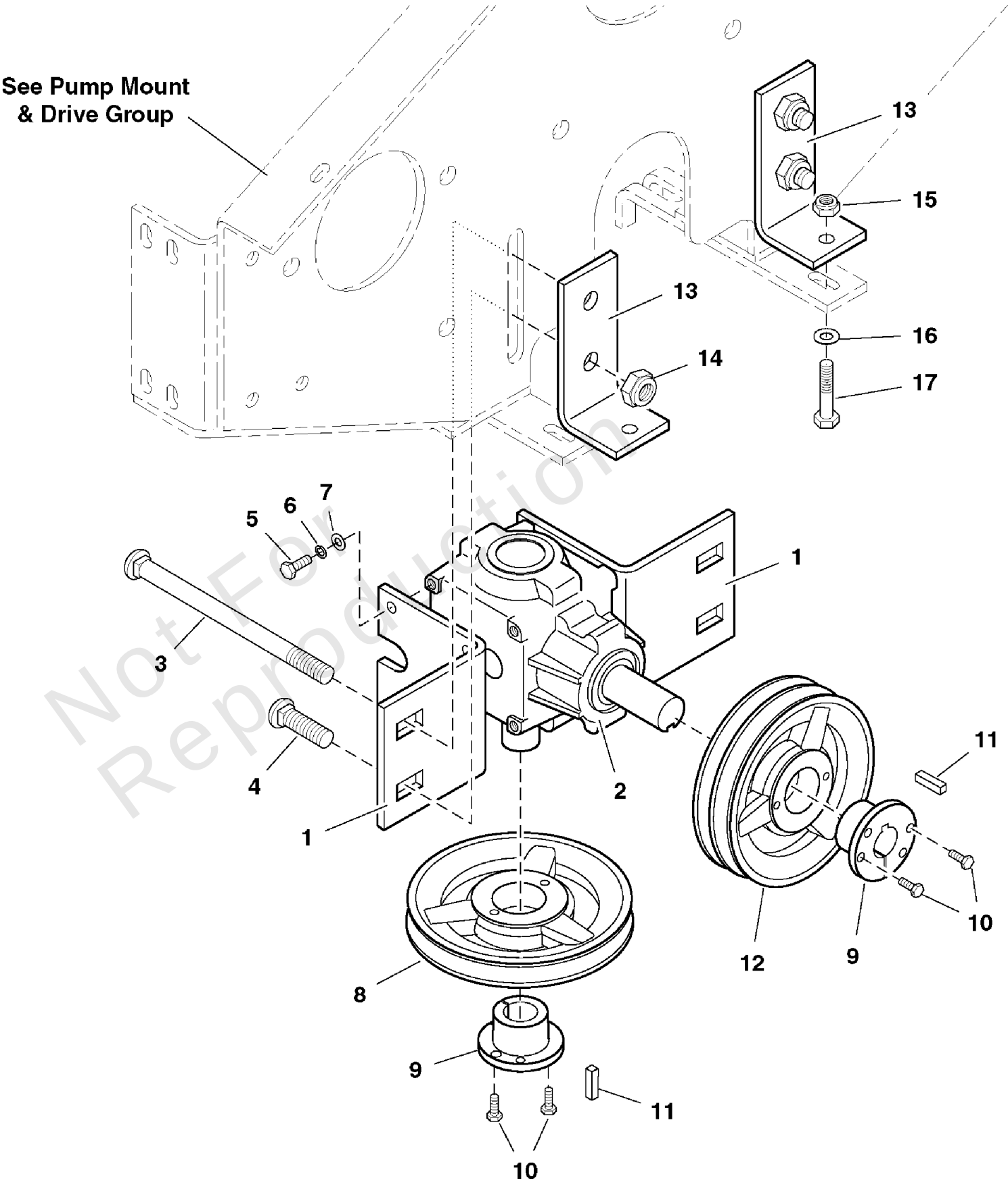
Footnotes:

*Also order 5049177A (qty: 1) and 5102417 (qty: 1)

Gearbox Mount Group (Early Models)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



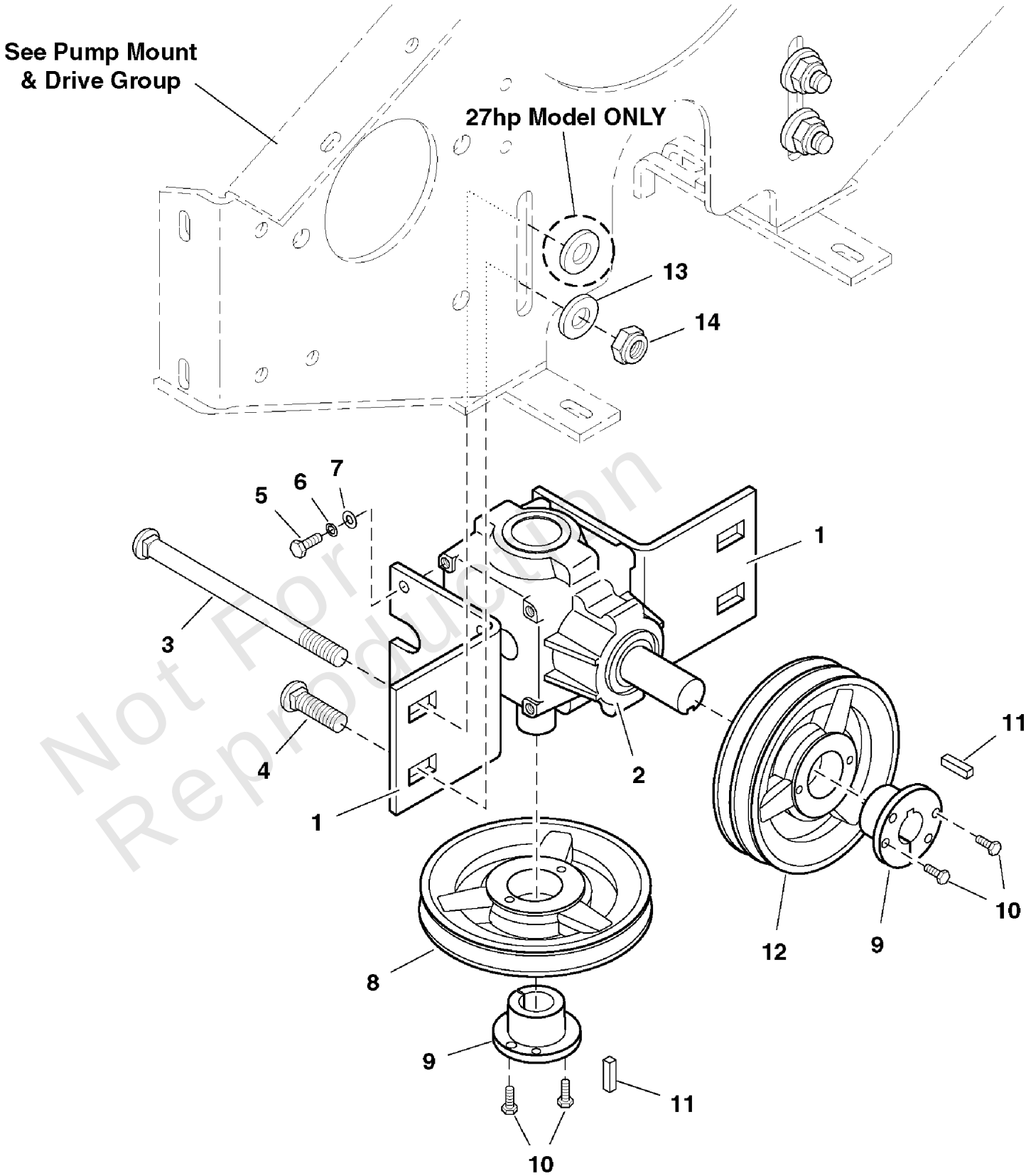
Gearbox Mount Group (Early Models)

REF NO	PART NO	QTY	DESCRIPTION
1	5046349B	2	GEARBOX MOUNT BRACKET
2	5022378	1	GEARBOX
3	5025334	1	CARRIAGE BOLT, 1/2-13 x 7
4	5025324X16	3	CARRIAGE BOLT, 1/2-13 x 2
5	5025011X8	8	BOLT, 5/16-18 X 1 GD5 YZ
6	5025170	8	WASHER, 5/16 LOCK CZ
7	5025155	8	WASHER, 5/16" SAE
8	5020815	1	PULLEY, Spindle -(Briggs & Stratton Models)
8	5022794	1	PULLEY, Spindle
9	5020819	2	BUSHING, Tapered Hub
10	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
11	5050407X1	2	KEY, 1/4 SQ. X 1
12	5022384	1	PULLEY, Gearbox Input
13	5046260B	2	TAB, Mount
14	5025038	3	NUT, 1/2-13 Hex
15	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
16	5025156	2	WASHER, 3/8 SAE
17	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ

Gearbox Mount Group (Later Models)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



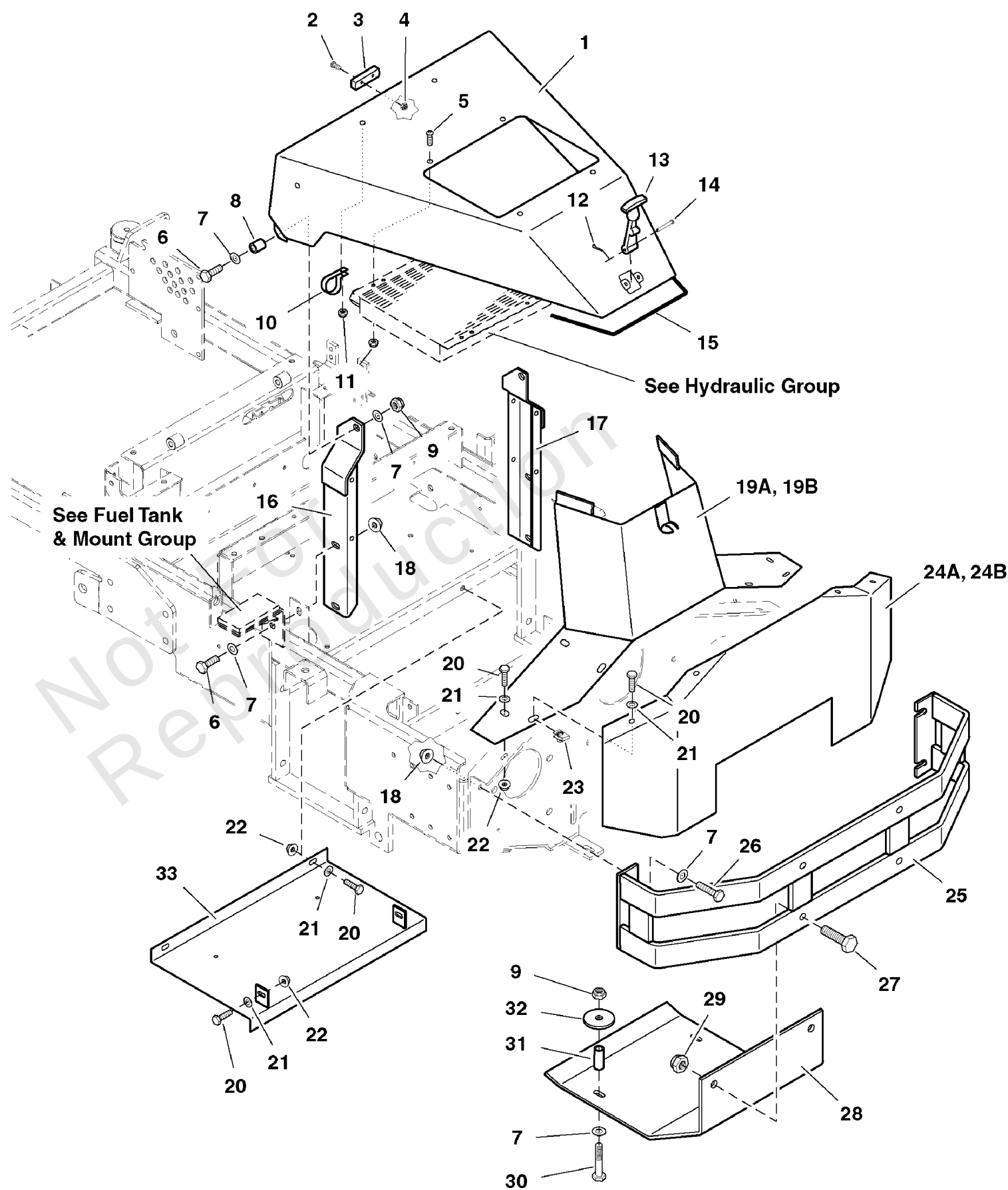
Gearbox Mount Group (Later Models)

REF NO	PART NO	QTY	DESCRIPTION
1	5046349B	2	GEARBOX MOUNT BRACKET
2	5022378	1	GEARBOX
3	5025334	1	CARRIAGE BOLT, 1/2-13 x 7
4	5025324X16	3	CARRIAGE BOLT, 1/2-13 x 2
5	5025011X8	8	BOLT, 5/16-18 X 1 GD5 YZ
6	5025170	8	WASHER, 5/16 LOCK CZ
7	5025155	8	WASHER, 5/16" SAE
8	5020815	1	PULLEY, Spindle -(Briggs & Stratton Models)
8	5022794	1	PULLEY, Spindle -(S/N: 436 & above)
9	5020819	2	BUSHING, Tapered Hub
10	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
11	5050407X1	2	KEY, 1/4 SQ. X 1
12	5022384	1	PULLEY, Gearbox Input
13	5044913	3	WASHER, Frame Retaining -(Briggs & Stratton Models)
13	5044913	4	WASHER, Frame Retaining -(Kawasaki Models)
14	5025038	3	NUT, 1/2-13 Hex

Hood, Bumper & Shield Group

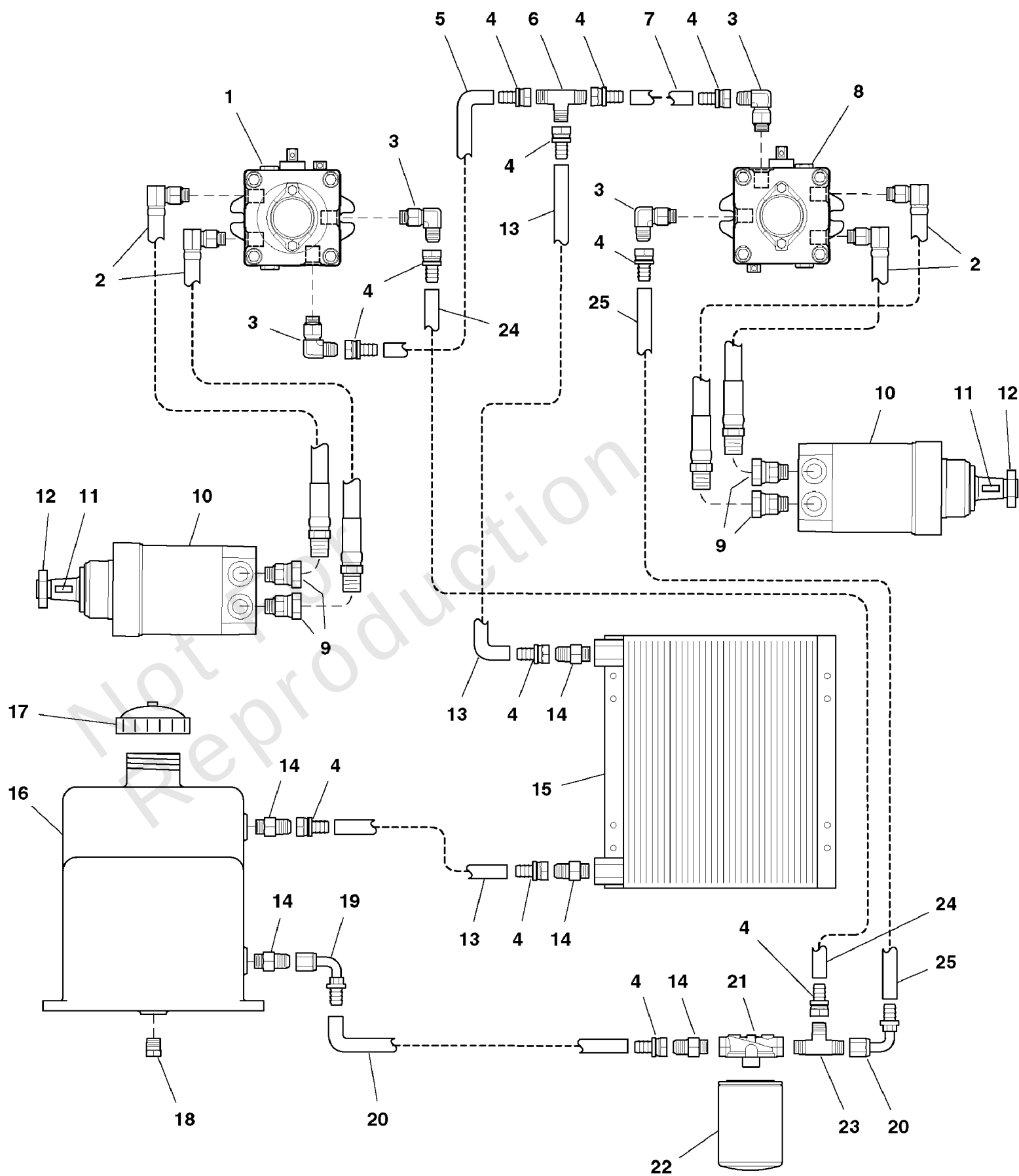
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Hood, Bumper & Shield Group

REF NO	PART NO	QTY	DESCRIPTION
1	5046126B	1	ENGINE HOOD
2	5025338X5	2	SCREW, #8-32 x 5/8
3	5022809	1	RUBBER PAD
4	5025339	2	NUT, #8-32 Hex Nylon Lock
5	5025299X6	8	USE 5106757 - SCREW,1/4-20X3/4, ZINC
6	5025013X8	6	BOLT, 3/8-16 X 1" GD5 CZ
7	5025156	14	WASHER, 3/8 SAE
8	5041930	2	SPACER, .38 x .50 x .27
9	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
10	5021500	4	CLAMP, Vinyl
11	5025126	8	NUT, 1/4-20 HEX SERR. FLANGE
12	5020841X5	1	COTTER PIN
13	5020841X1	1	RUBBER LATCH
14	5050841X4	1	PIN, Clevis
15	5050853X20	1	BODY MOLDING, 20"
16	5046244B	1	HOOD MOUNT-LH
17	5046247B	1	HOOD MOUNT-RH
18	5025128	8	NUT, 3/8-16 Hex Serrated Flange
19A	5046127B	1	REAR HOOD SUPPORT -(S/N: 101 - 375)
19B	5046922B	1	REAR HOOD SUPPORT -(S/N: 376 & above)
20	5025011X8	12	BOLT, 5/16-18 X 1 GD5 YZ
21	5025155	12	WASHER, 5/16" SAE
22	5025127	8	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
23	5022308	4	BODY CLIP, 5/16-18-7GA MATERIAL
24A	5045784B	1	REAR SHIELD -(S/N: 101 - 600)
24B	5047305B	1	REAR SHIELD -(S/N: 601 & above)
25	5045778B	1	BUMPER
26	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
27	5025018X12	2	BOLT, 1/2-20 X 1-1/2, GD5 CZ
28	5046259B	1	SKID SHIELD
29	5025098	2	NUT, Hex, Nylon Lock, 1/2-20
30	5025013X20	2	BOLT, 3/8-16 X 2-1/2" GD5 CZ
31	5044992	2	SPACER, .38 x .50 x 1.56
32	5025305	2	WASHER, 3/8 x 1-3/4
33	5046295B	1	DEBRIS SHIELD



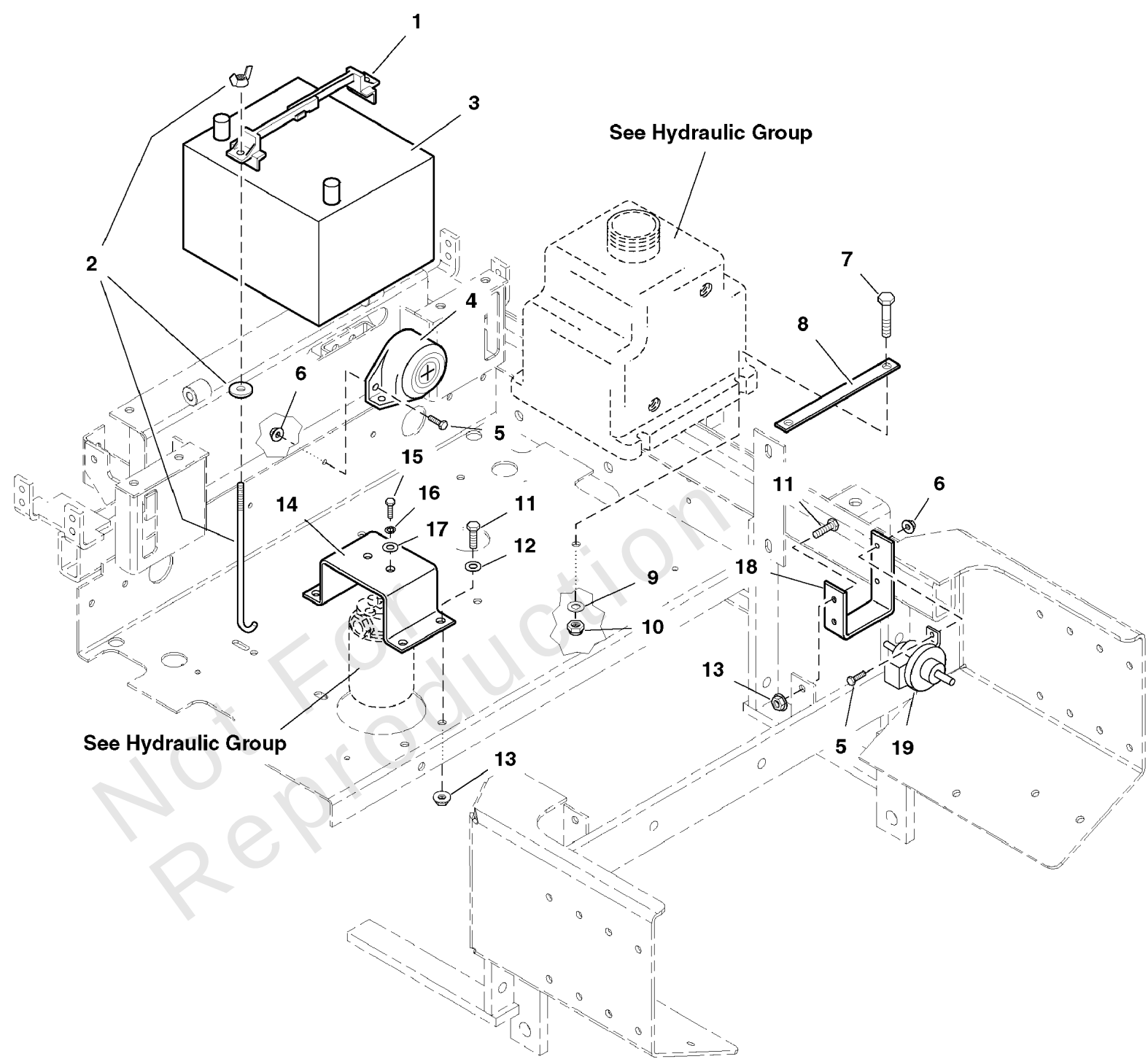
Hydraulic Group

REF NO	PART NO	QTY	DESCRIPTION
1	5022376	1	HYDRAULIC PUMP - RH
2	5022046	4	REPLACE WITH 5413138 + 5022599, HYDRAULIC HOSE ASSEMBLY + FITTING
3	5022599	4	FITTING, O-Ring, 90 Deg.
4	5022598	12	FITTING, JIC #8, Straight
5	5050857X40	1	HOSE, Hydraulic, 40"
6	5022604	1	FITTING, TEE, JIC #8
7	5050857X15	1	HOSE, 15" Long
8	5022375	1	HYDRAULIC PUMP - LH
9	5021166	4	FITTING, 7/8" O-Ring Straight Swivel
10	5022368	2	HYDRAULIC WHEEL MOTOR, Complete -(Includes Ref No. 11 & 12)
11	5022042X2	2	KEY
12	5022042X3	2	NUT & COTTER PIN
13	5050857X34	2	HOSE, Hydraulic, 34"
14	5022601	5	FITTING, NPT - JIC #8
15	5022377	1	OIL COOLER
16	5045872	1	HYDRAULIC OIL RESERVOIR
17	5022437	1	CAP, Reservoir
18	5020986	1	PLUG, 1/2" NPT
19	5022603	2	FITTING, 90 Deg. JIC #8
20	5050857X7	1	HOSE, 7"
21	5021356	1	FILTER HEAD
22	5021357X1	1	FILTER, HYDRAULIC, SERVICE PART (PKG)
23	5022602	1	FITTING, TEE, JIC #8, NPT
24	5050857X38	1	HOSE, Hydraulic, 38"
25	5050857X24	1	HOSE, Hydraulic, 24"

Hydro Tank Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Hydro Tank Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	5022595	1	BATTERY HOLDDOWN
2	5022596	2	BATTERY HOLDDOWN BOLT
3	-----	1	BATTERY, Lawn & Garden, 12V (BCIU1, 340 CCA)
4	5022594	1	ALARM
5	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
6	5025126	4	NUT, 1/4-20 HEX SERR. FLANGE
7	5025013X18	4	BOLT, 3/8-16 X 2-1/4" GD5 CZ
8	5046061B	2	HOLD DOWN PLATE
9	5025156	4	WASHER, 3/8 SAE
10	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
11	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
12	5025155	4	WASHER, 5/16" SAE
13	5025127	6	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
14	5046292B	1	MOUNT, Oil Filter
15	5025010X6	2	BOLT, 1/4-20 x 3/4
16	5025169	2	WASHER, 1/4 LOCK
17	5025154	2	WASHER, 1/4 SAE
18	5046058B	1	FUEL PUMP MOUNT -(Briggs & Stratton Models)
19	-----	1	FUEL PUMP -(Briggs & Stratton Models)

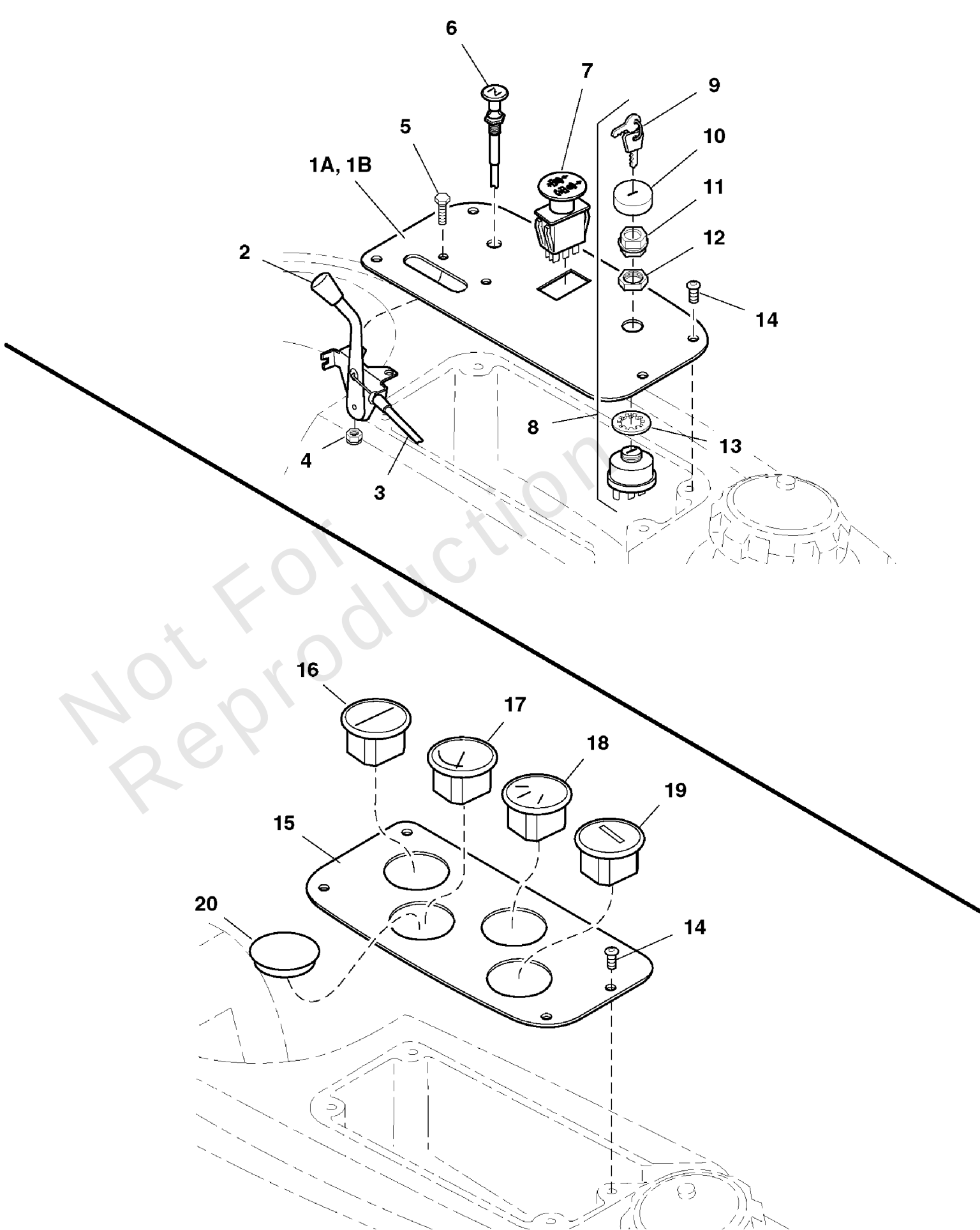
Footnotes:

- See your local Briggs & Stratton engine dealer for parts & service.

Instrument & Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



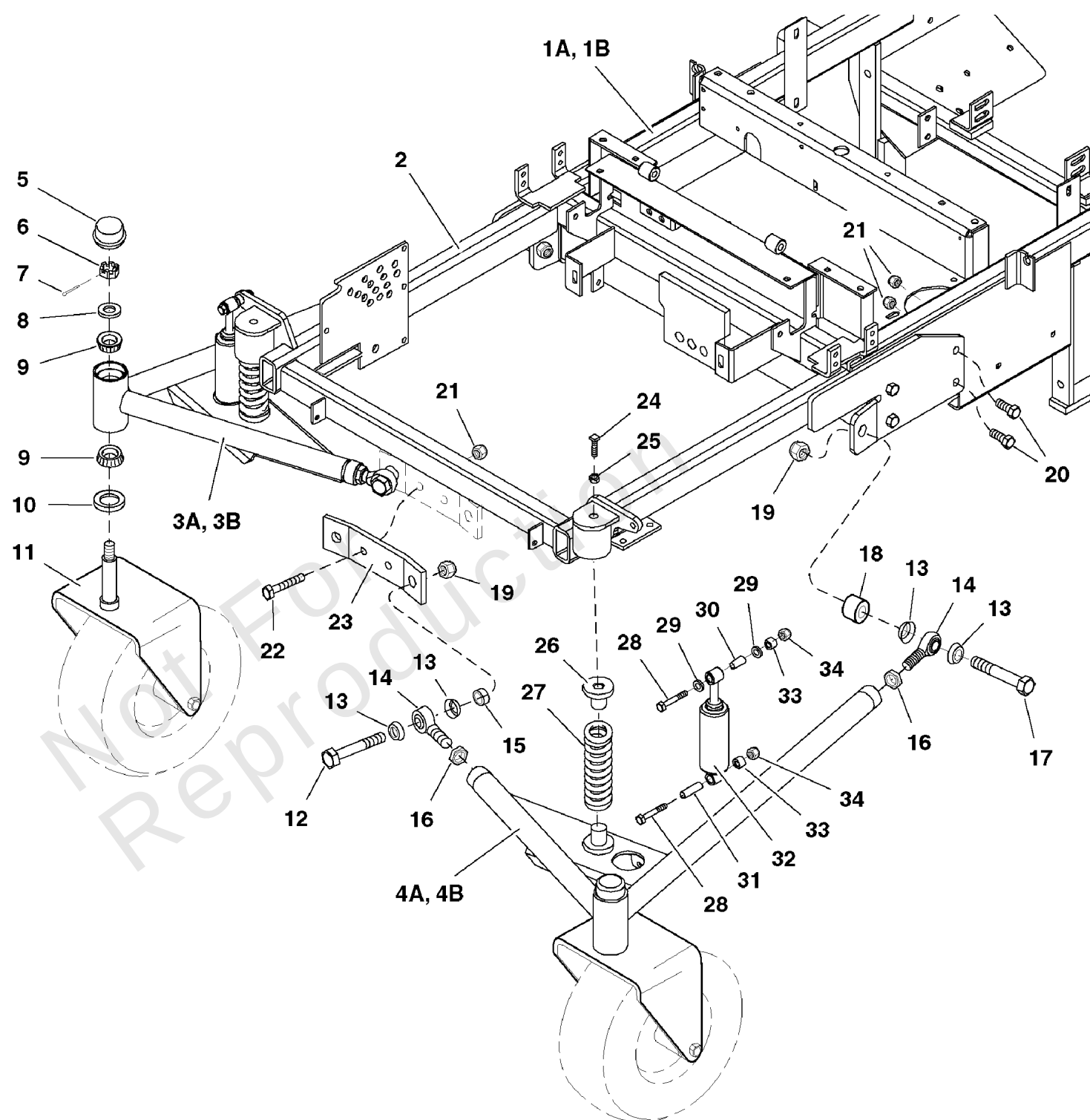
Instrument & Control Panel Group

REF NO	PART NO	QTY	DESCRIPTION
1A	5046600B	1	CONTROL PANEL-RH
1B	5046254B	1	CONTROL PANEL-RH -(IS4000Z/D31, S/N: 101 - 275 only)
2	5046360	1	HANDLE, THROTTLE CONTROL
3	5046392	1	CABLE, Throttle Control, 47-1/2" -(Briggs & Stratton Models)
3	5046551	1	CABLE, Throttle Control -(Kawasaki Models)
4	5025095	2	NUT, 1/4-20 HEX NYLON LOCK
5	5025010X6	2	BOLT, 1/4-20 x 3/4
6	5046361	1	CABLE, Choke Control -(Briggs & Stratton Models)
6	5046501	1	CABLE, Choke Control, 47" -(Kawasaki Models)
7	5022180	1	SWITCH, BLADE ENGAGEMENT
8	5020927	1	SWITCH, IGNITION, 6 POST -(Includes Ref No. 9 - 13)
9	5022789	1	KEY, IGNITION MOLDED SET
10	5022790	1	COVER, PLASTIC, SNAP ON
11	5022791	1	PLASTIC NUT
12	5022792	1	STEEL NUT
13	5022793	1	WASHER
14	5025299X4	8	SCREW, Allen Head, 1/4-20 x 1/2
15	5046256B	1	PANEL, GAUGE CLUSTER (4)
16	5022593	1	GAUGE, Warning, Oil/Temp
17	5022483	1	GAUGE, Water Temperature -(Briggs & Stratton Models)
18	5022387	1	GAUGE, Voltmeter
19	5020060	1	HOUR METER
20	5022800	1	HOLE PLUG -(Kawasaki Models)

Main Frame & Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



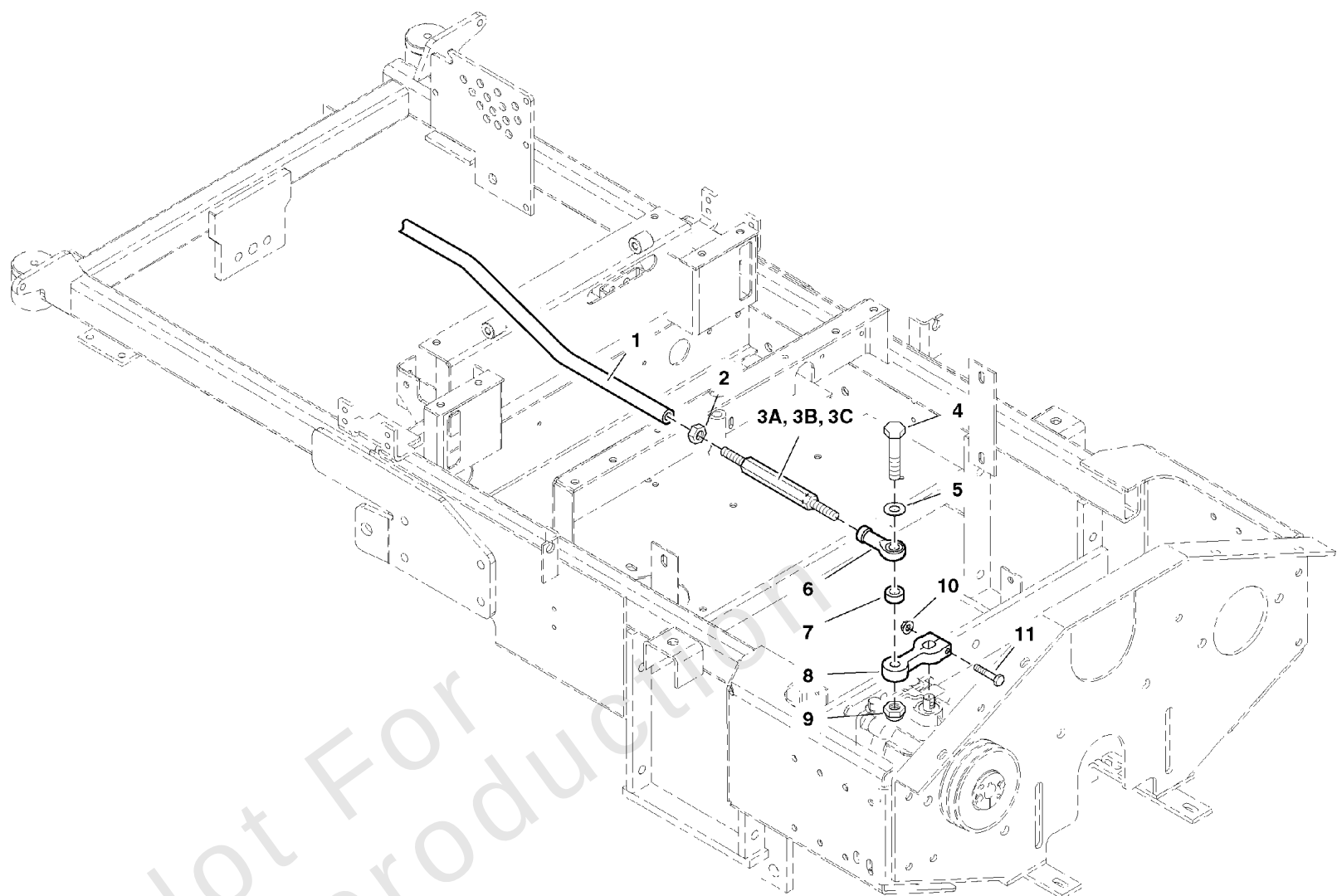
Main Frame & Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
1A	5046280B	1	MAIN FRAME -(Briggs & Stratton Models, S/N: 101 - 275)
1B	5046531B	1	MAIN FRAME -(Briggs & Stratton Models - All / Kawasaki Models S/N: 321 & above)
2	5046366B	1	FRONT FRAME
3A	5046368B	1	SUSPENSION ARM-RH -(Briggs & Stratton Models - All / Kawasaki Models S/N: 321 & above)
3B	5046521B	1	SUSPENSION ARM-RH -(Kawasaki Models, S/N: 101-320)
3C	5020883	1	CUP, BEARING (SV) -(Not illustrated)
4A	5046367B	1	SUSPENSION ARM-LH -(Briggs & Stratton Models - All / Kawasaki Models S/N: 321 & above)
4B	5046520B	1	SUSPENSION ARM-LH -(Kawasaki Models, S/N: 101-320)
4C	5020883	1	CUP, BEARING (SV) -(Not illustrated)
5	5021073	2	CAP, DUST
6	5025104	2	NUT, Hex, Slotted, 3/4-16
7	5025203X10	2	PIN, COTTER, 1/8 X 1-1/4
8	5025160	2	WASHER, 3/4 SAE
9	5020884	4	BEARING, TAPERED ROLLER, 1"
10	5021072	2	SEAL, GREASE
11	5045769B	2	CASTER TIRE MOUNT
12	5025265X24	2	BOLT, 3/4-16 X 3" YZ GD5
13	5022111	8	SEAL, 3/4" ROD END
14	5022039	4	BALL JOINT, 3/4-16, MALE
15	5046092	2	SPACER, .76 X 1.00 X .50, CZ
16	5025093	4	NUT, Hex, Jam, 3/4-16
17	5025265X32	2	BOLT, 3/4-16 X 4" YZ GD5
18	5046093	2	SPACER, .75 X 1.50 X 1.00, CZ
19	5025284	4	NUT, Hex, Nylon Lock, 3/4-16
20	5025017X10	8	BOLT, 1/2-13 X 1-1/4 GD5 CZ
21	5025098	10	NUT, Hex, Nylon Lock, 1/2-20
22	5025018X14	2	BOLT, 1/2-20 X 1-3/4" GD8 CZ
23	5046060B	1	PLATE, Suspension Arm Support
24	5025315	2	SET SCREW, Square Head, 1/2-13 x 2-1/2
25	5025301	1	NUT, Hex, Jam, 1/2-13
26	5045898	2	SPRING RETAINER
27	5022323	2	SPRING, SUSPENSION
28	5025013X20	4	BOLT, 3/8-16 X 2-1/2" GD5 CZ
29	5025156	4	WASHER, 3/8 SAE
30	5044959	2	SPACER, .38 x .50 x 1.00
31	5044992	2	SPACER, .38 x .50 x 1.56
32	5021687	2	SHOCK ABSORBER
33	5044933	4	SPACER, .39 X .75 X .38, PM, CZ
34	5025100	4	NUT, Hex, Side Lock, 3/8-16

Motion Control Group - Lower

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



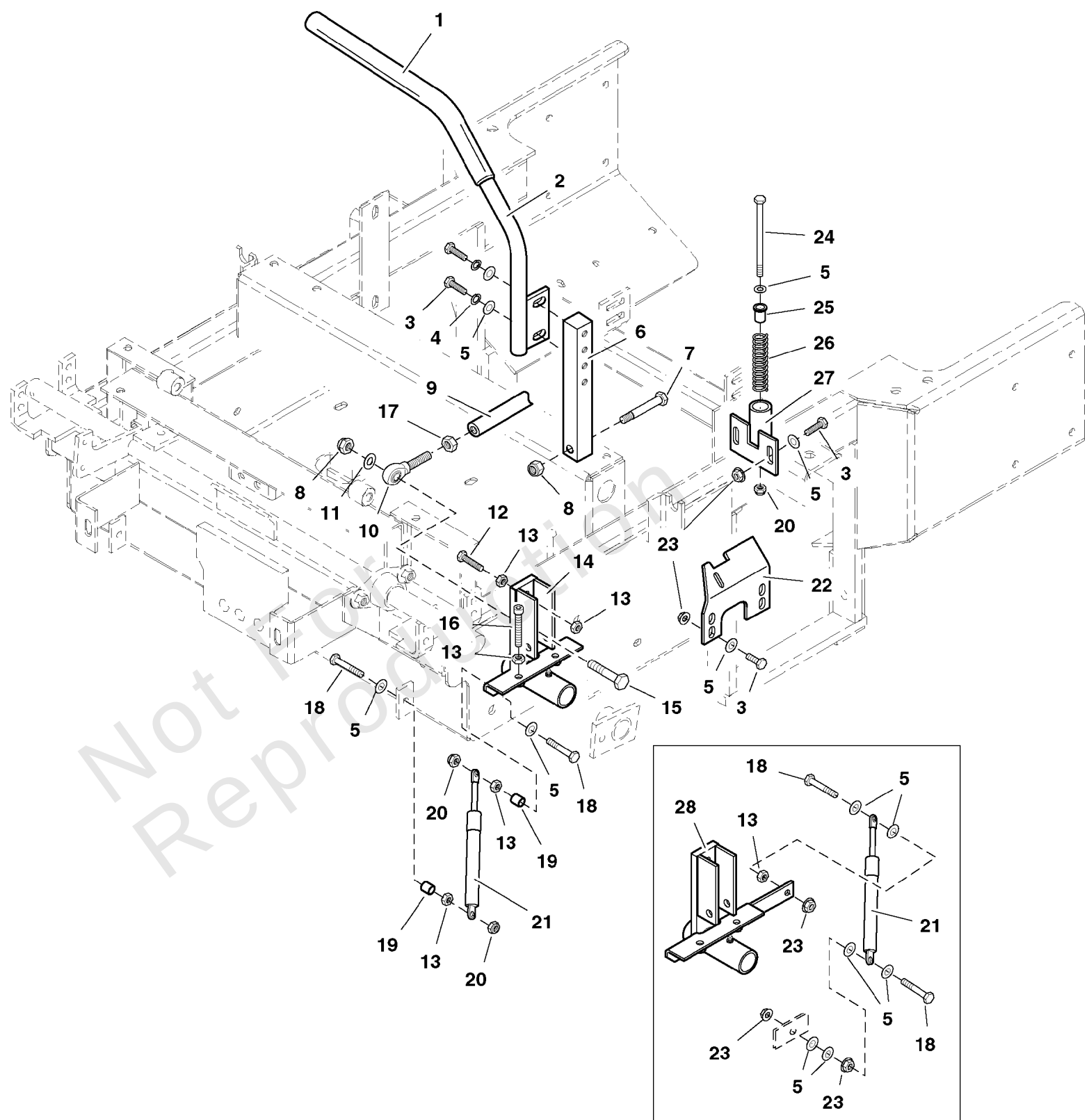
Motion Control Group - Lower

REF NO	PART NO	QTY	DESCRIPTION
1	5046393B	2	CONTROL ROD
2	5025035SM	2	NUT (3/8-24 HEX)
3A	5045725	2	LINK, Neutral Adjust-Long -(Briggs & Stratton S/N: 101 - 375)
3B	5046910	2	LINK, Neutral Adjust-Long -(Briggs & Stratton S/N: 376 & above)
3C	5046534	2	LINK, Neutral Adjust-Short -(Kawasaki)
4	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
5	5025156	2	WASHER, 3/8 SAE
6	5022392	2	BALL JOINT, 3/8-24 LH, Female
7	5044933	2	SPACER, .39 x .75 x .38
8	5045863	2	CONTROL ARM
9	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
10	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE
11	5025010X14	2	BOLT, 1/4-20 x 1-3/4

Motion Control Group - Upper

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



IS4000Z/D31 - Serial No. 276 & up
IS4000Z/KAV27 - All

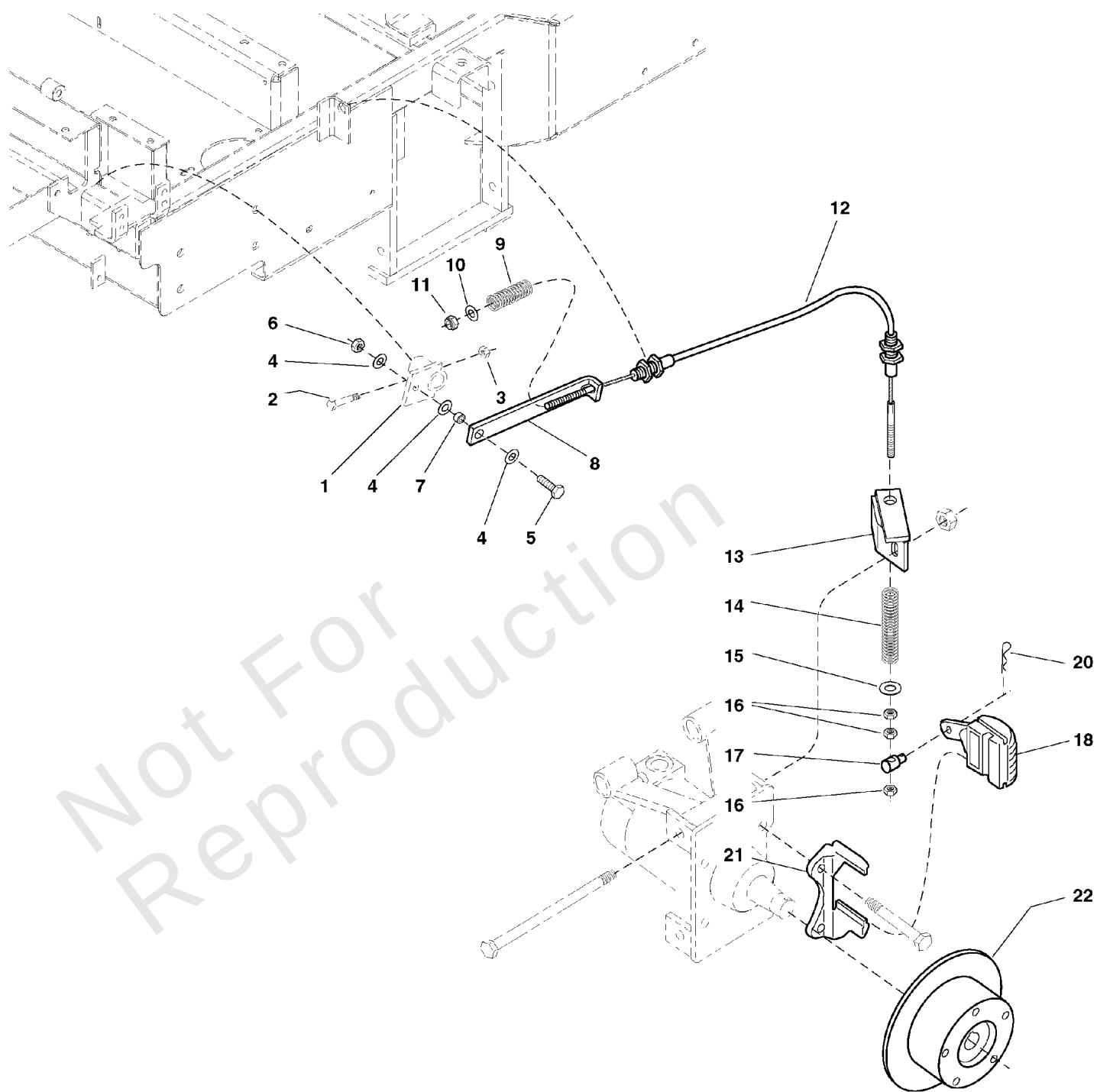
Motion Control Group - Upper

REF NO	PART NO	QTY	DESCRIPTION
1	5022068	2	GRIP, Foam
2	5046148B	1	MOTION CONTROL HANDLE-LH
2	5046147B	1	MOTION CONTROL HANDLE-RH
3	5025011X6	16	BOLT, 5/16-18 X 3/4 GD5
4	5025170	4	WASHER, 5/16 LOCK CZ
5	5025155	34	WASHER, 5/16" SAE
6	5046572	2	BASE, Control Handle
7	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
8	5025096	4	NUT, 3/8-16 HEX NYLON LOCK
9	5046393B	2	CONTROL ROD
10	5021124	2	BALL JOINT, 3/8-24 Male
11	5025156	2	WASHER, 3/8 SAE
12	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
13	5025032	14	NUT, 5/16-18 HEX
14	5046204B	2	CONTROL ARM MOUNT
15	5025013X12	2	BOLT, 3/8-16 X 1-1/2" GD5 CZ
16	5025311X16	4	BOLT, Socket Head, 5/16-18 x 2
17	5025035SM	2	NUT (3/8-24 HEX)
18	5025011X12	4	BOLT, 5/16-18 x 1-1/2
19	5041930	2	SPACER, .38 x .50 x .27
20	5025057	6	NUT, 5/16-18 Hex Nylon Lock
21	5022360	2	DAMPENER
22	5046576B	1	NEUTRAL LOCK PLATE-LH
22	5046575B	1	NEUTRAL LOCK PLATE-RH
23	5025127	18	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
24	5025011X48	2	BOLT, 5/16-18 x 6
25	5022290	2	BUSHING, Plastic Flange
26	5022421	2	SPRING, Compression
27	5046206B	2	SPRING RETURN BRACKET
28	5046594B	1	CONTROL ARM MOUNT-LH
28	5046593B	1	CONTROL ARM MOUNT-RH

Parking Brake Group - Lower

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



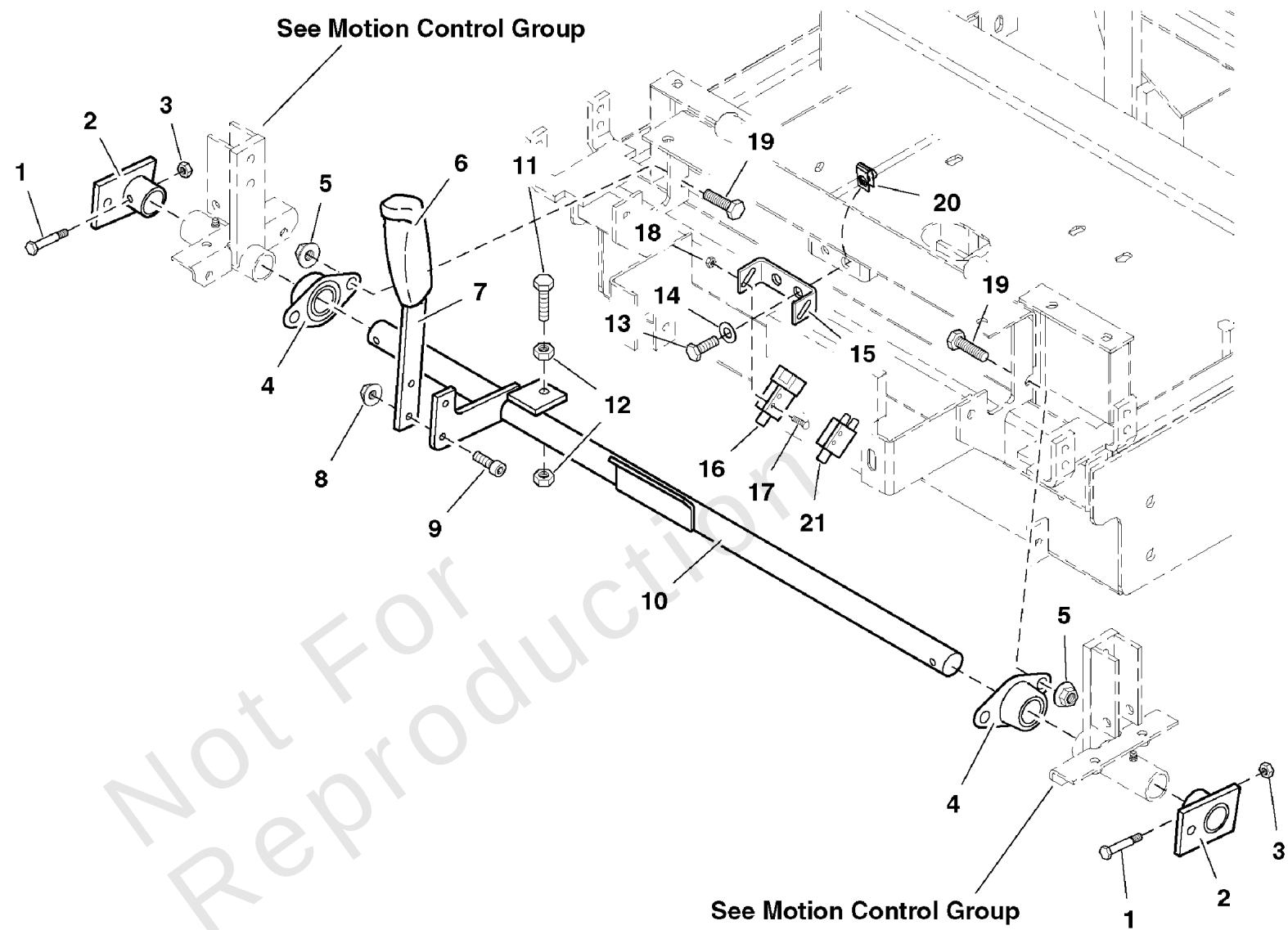
Parking Brake Group - Lower

REF NO	PART NO	QTY	DESCRIPTION
1	-----	2	BRAKE LINKAGE PIVOT -(Ref 1 - 3, see Parking Brake Group-Upper)
2	-----	2	CAPSCREW, Hex Hd, 1/4-20 x 1-3/4 -(Ref 1 - 3, see Parking Brake Group-Upper)
3	-----	2	NUT, Hex, Nylon Lock, 1/4-20 -(Ref 1 - 3, see Parking Brake Group-Upper)
4	5025156	6	WASHER, 3/8 SAE
5	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
6	5025100	2	NUT, 3/8-16 Hex Side Lock
7	5041930	2	SPACER, .38 x .50 x .27
8	5045777B	2	LINK, Brake Lock
9	5022361	2	SPRING, Compression
10	5025155	2	WASHER, 5/16" SAE
11	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
12	5022209	2	CABLE, Brake
13	5045604B	1	BRACKET, Cable Mount-LH
14	5021494	2	SPRING, Compression
15	5025164	2	WASHER, 5/16" Fender
16	5025033	6	NUT, 5/16-24 Hex
17	5045947	2	ADJUSTER, Brake Linkage
18	5022342	1	BRAKE CALIPER, LH
19	5022341	1	BRAKE CALIPER, RH -(Not Shown)
19	5022249	-	BRAKE PAD KIT -(Includes Both Pads)
20	5025211	2	HAIRPIN CLIP
21	5022340	2	MOUNT, Brake Caliper
22	5022339	2	HUB, 8" Brake Disc
23	5045605B	1	BRACKET, Cable Mount-RH -(Not Shown)

Parking Brake Group - Upper

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



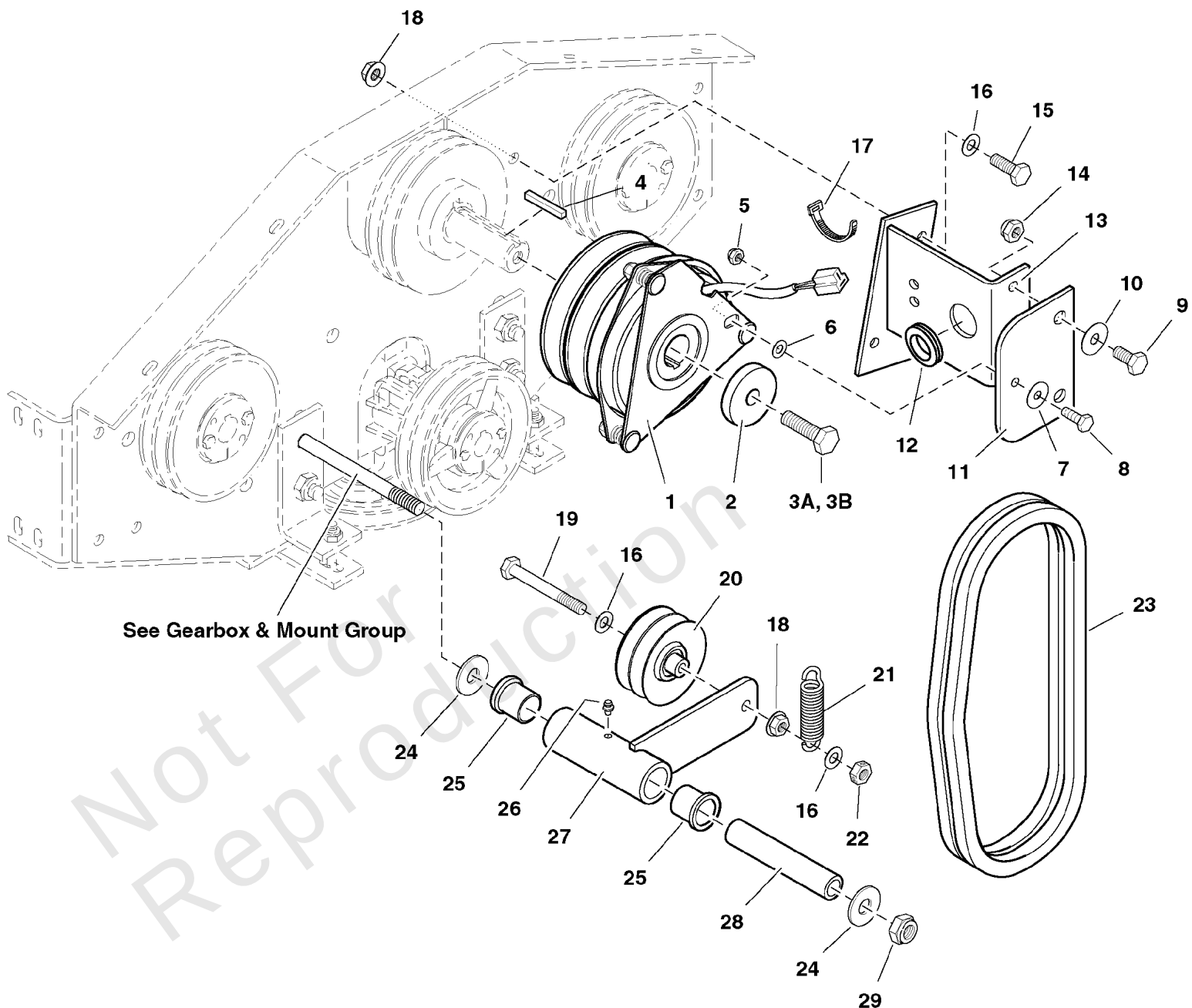
Parking Brake Group - Upper

REF NO	PART NO	QTY	DESCRIPTION
1	5025010X12	2	BOLT, 1/4-20 X 1-1/2
2	5045781B	2	BRAKE LINKAGE PIVOT
3	5025287	2	NUT, 1/4-20 Hex Side Lock
4	5022379	2	BEARING, Flange
5	5025128	4	NUT, 3/8-16 Hex Serrated Flange
6	1722302	1	GRIP
7	5046208B	1	BRAKE HANDLE
8	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
9	5025267X6	2	CAPSCREW, Socket Button Head, 5/16-18 x 3/4
10	5045788B	1	BRAKE SHAFT
11	5025013X16	1	BOLT, 3/8-16 X 2, GD5, CZ
12	5025084	2	NUT, 3/8-16 HEX JAM
13	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
14	5025155	2	WASHER, 5/16" SAE
15	5046067B	1	BRAKE SWITCH MOUNT
16	1717050	1	SWITCH, PLUNGER, N.O./N.C.
17	5025270	4	SCREW, #10-24 X 1 RS, CZ
18	5025029	4	NUT, #10-24 Hex
19	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 CZ
20	5022308	2	BODY CLIP, 5/16-18-7GA MATERIAL
21	5021451	1	SWITCH, Plunger, NO -(Briggs & Stratton Models)
21	1717050	1	SWITCH, PLUNGER, N.O./N.C. -(Kawasaki Models)

PTO Clutch & Anchor Group - Early Models

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



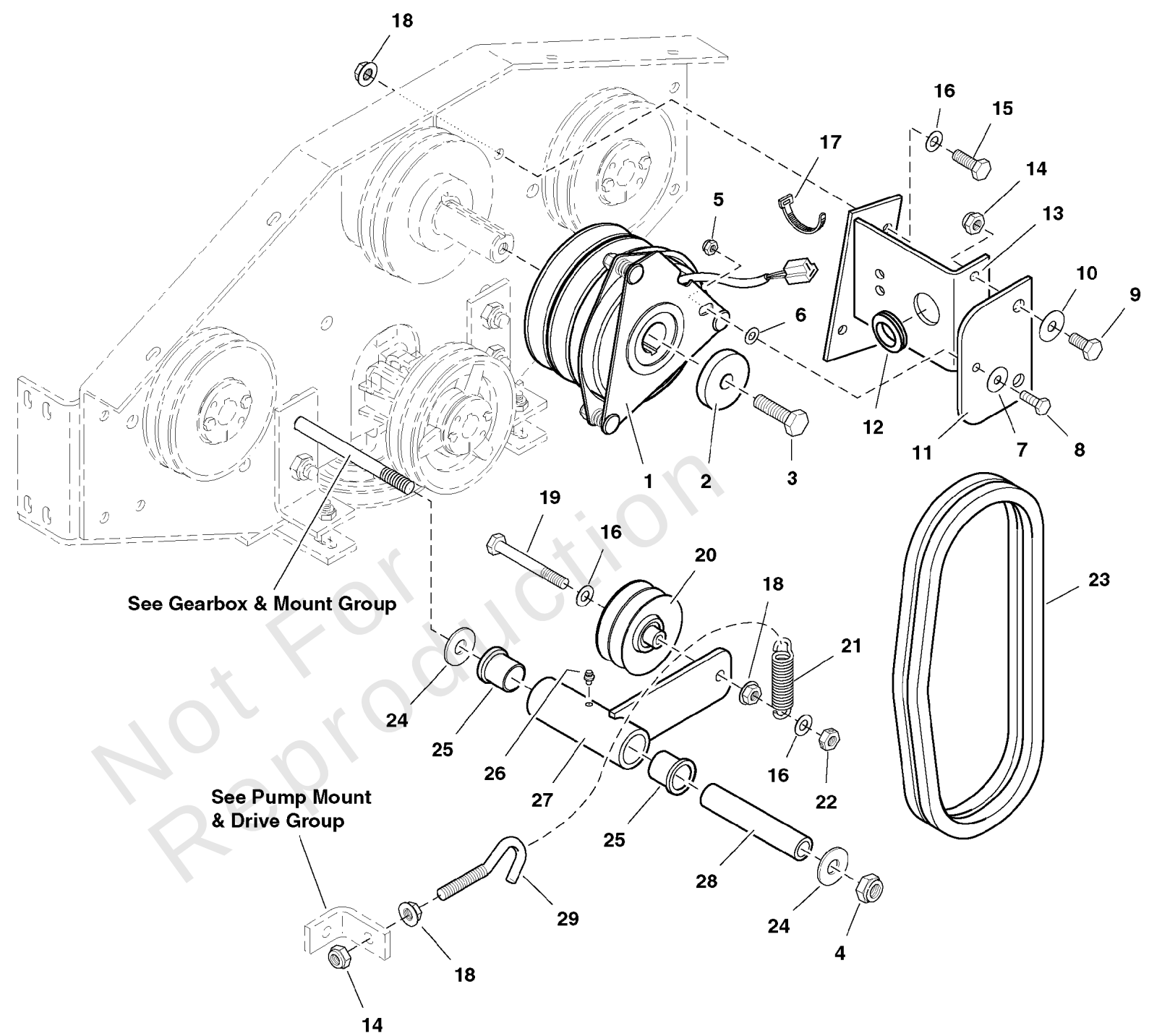
PTO Clutch & Anchor Group - Early Models

REF NO	PART NO	QTY	DESCRIPTION
1	5600213	1	KIT, CLUTCH & BOLT -(Briggs & Stratton Models)
1	5600451	1	KIT, CLUTCH & BOLT -(Kawasaki Models)
2	5045475	1	SPACER, .45 x 1.88 x .38
3A	5045473	1	CRANKSHAFT BOLT, 7/16 x 1-1/2 -(Briggs & Stratton Models)
3B	5043629	1	CRANKSHAFT BOLT, M10 x 70mm -(Kawasaki Models)
4	5050407X3	1	KEY, 1/4 SQ. x 2 -(Briggs & Stratton Models)
5	5025045	1	NUT, 5/16-24 HEX NYLON LOCK
6	5025155	2	WASHER, 5/16" SAE
7	5025164	1	WASHER, 5/16" Fender
8	5025011X8	1	BOLT, 5/16-18 X 1 GD5 YZ
9	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
10	5025165	2	WASHER, 3/8" Fender
11	5043636	1	CLUTCH ANCHOR PAD
12	5021379	1	GROMMET
13	5046579B	1	CLUTCH ANCHOR
14	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
15	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
16	5025156	4	WASHER, 3/8 SAE
17	5021030	1	TIE WRAP
18	5025128	3	NUT, 3/8-16 Hex Serrated Flange
19	5025013X24	1	BOLT, 3/8-16 X 3" GD5 CZ
20	5022797	1	PULLEY, Idler
21	1608395	1	SPRING, Extension
22	5025100	1	NUT, 3/8-16 Hex Side Lock
23	5022575	1	BELT, Clutch Drive (set of 2)
24	5025158	2	WASHER, 1/2 SAE
25	5022250	2	BUSHING, Flange
26	5020095	1	GREASE FITTING
27	5046565B	1	CLUTCH DRIVE IDLER ARM
28	5045305	1	PIVOT SLEEVE, Long
29	5025056	1	NUT, 1/2-13 HEX NYLON LOCK

PTO Clutch & Anchor Group - Later Models (Kawasaki Only)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



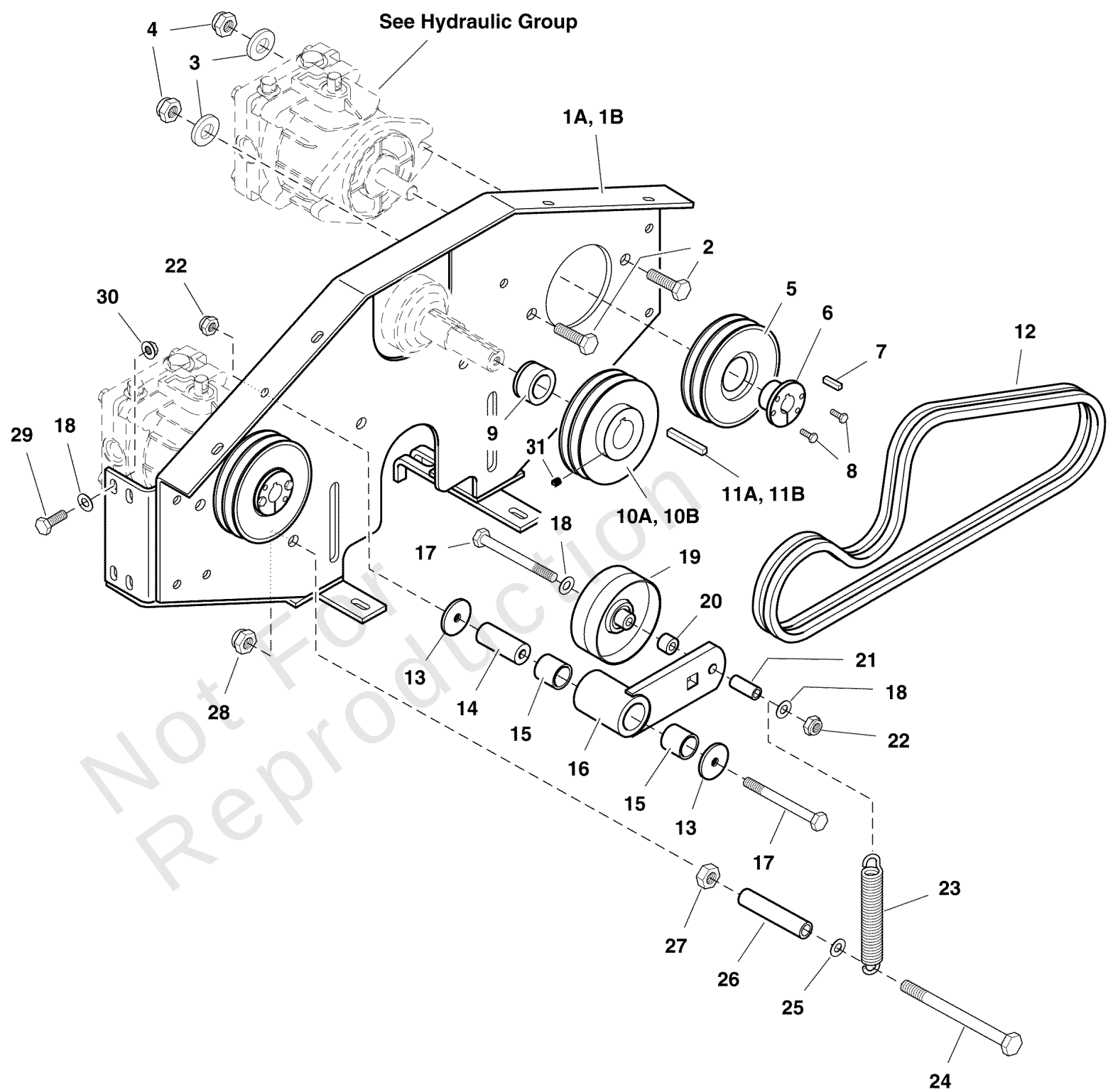
PTO Clutch & Anchor Group - Later Models (Kawasaki Only)

REF NO	PART NO	QTY	DESCRIPTION
1	5600451	1	KIT, CLUTCH & BOLT
2	5045475	1	SPACER, .45 x 1.88 x .38
3	5043629	1	CRANKSHAFT BOLT, M10 x 70mm
4	5025056	1	NUT, 1/2-13 HEX NYLON LOCK
5	5025045	1	NUT, 5/16-24 HEX NYLON LOCK
6	5025155	2	WASHER, 5/16" SAE
7	5025164	1	WASHER, 5/16" Fender
8	5025011X8	1	BOLT, 5/16-18 X 1 GD5 YZ
9	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
10	5025165	2	WASHER, 3/8" Fender
11	5043636	1	CLUTCH ANCHOR PAD
12	5021379	1	GROMMET
13	5046579B	1	CLUTCH ANCHOR
14	5025096	3	NUT, 3/8-16 HEX NYLON LOCK
15	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
16	5025156	4	WASHER, 3/8 SAE
17	5021030	1	TIE WRAP
18	5025128	4	NUT, 3/8-16 Hex Serrated Flange
19	5025013X24	1	BOLT, 3/8-16 X 3" GD5 CZ
20	5022797	1	PULLEY, Idler
21	1608395	1	SPRING, Extension
22	5025100	1	NUT, 3/8-16 Hex Side Lock
23	5022575	1	BELT, Clutch Drive (set of 2)
24	5025158	2	WASHER, 1/2 SAE
25	5022250	2	BUSHING, Flange
26	5020095	1	GREASE FITTING
27	5046565B	1	CLUTCH DRIVE IDLER ARM
28	5045305	1	PIVOT SLEEVE, Long
29	5025321	1	SCREW HOOK, 3/8-16 x 4-1/4

Pump Drive Group (Early Models)

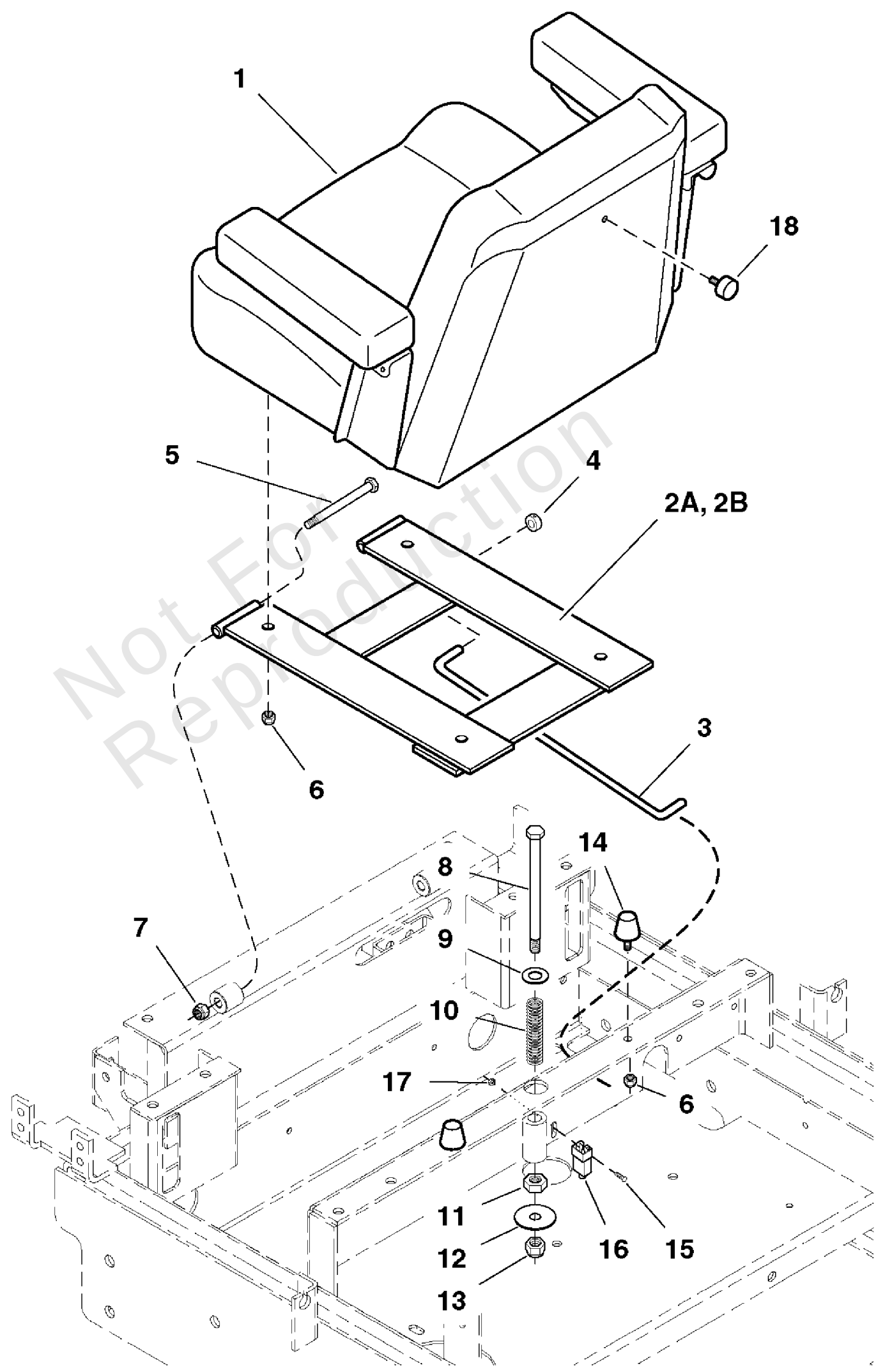
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Pump Drive Group (Early Models)

REF NO	PART NO	QTY	DESCRIPTION
1A	5046243B	1	PUMP MOUNT PLATE -(Briggs & Stratton Models)
1B	5046484B	1	PUMP MOUNT PLATE -(Kawasaki Models)
2	5025018X14	4	BOLT, 1/2-20 X 1-3/4" GD8 CZ
3	5044913	4	WASHER, Frame Retaining
4	5025098	4	NUT, Hex, Nylon Lock, 1/2-20
5	5022382	2	PULLEY, Pump Drive
6	5022383	2	HUB, Taper Lock
7	5023254	2	KEY, 5MM SQ. x 25MM w/ Round Ends
8	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
9	5046542	1	SPACER, 1.13 x 1.75 x .75 -(Kawasaki Models)
10A	5022381	1	PULLEY, Crankshaft -(Briggs & Stratton Models)
10B	5022380	1	PULLEY, Crankshaft -(Kawasaki Models)
11A	5050404X3	1	KEY, 5/16 SQ. X 1-1/2 -(Briggs & Stratton Models)
11B	5050407X2	1	KEY, 1/4 SQ. x 3 -(Kawasaki Models)
12	5022314	1	BELT, Pump Drive (set of 2)
13	5045139	2	RETAINER, Idler Arm
14	5102004	1	SPACER, .39 X 1.00 X 2.55, SS
15	5022157	2	BUSHING, Brass
16	5046574B	1	PUMP DRIVE IDLER ARM -(Includes Ref. Nos 15)
17	5025013X32	2	BOLT, 3/8-16 X 4" GD5 CZ
18	5025156	8	WASHER, 3/8 SAE
19	5022373	1	PULLEY, Idler, Flat
20	5044960	1	SPACER, .39 x 1.00 x .25
21	5044959	1	SPACER, .38 x .50 x 1.00
22	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
23	5021826	1	SPRING, Extension
24	5025017X40	1	BOLT, 1/2-13 x 5
25	5025158	1	WASHER, 1/2 SAE
26	5050857X3P25	1	HOSE, 3-1/4
27	5025301	1	NUT, 1/2-13 Hex Jam
28	5025056	1	NUT, 1/2-13 HEX NYLON LOCK
29	5025013X8	6	BOLT, 3/8-16 X 1" GD5 CZ
30	5025128	6	NUT, 3/8-16 Hex Serrated Flange
31	5025531	2	SET SCREW, 5/16-18 X 3/8, KNUURL, W/PATCH



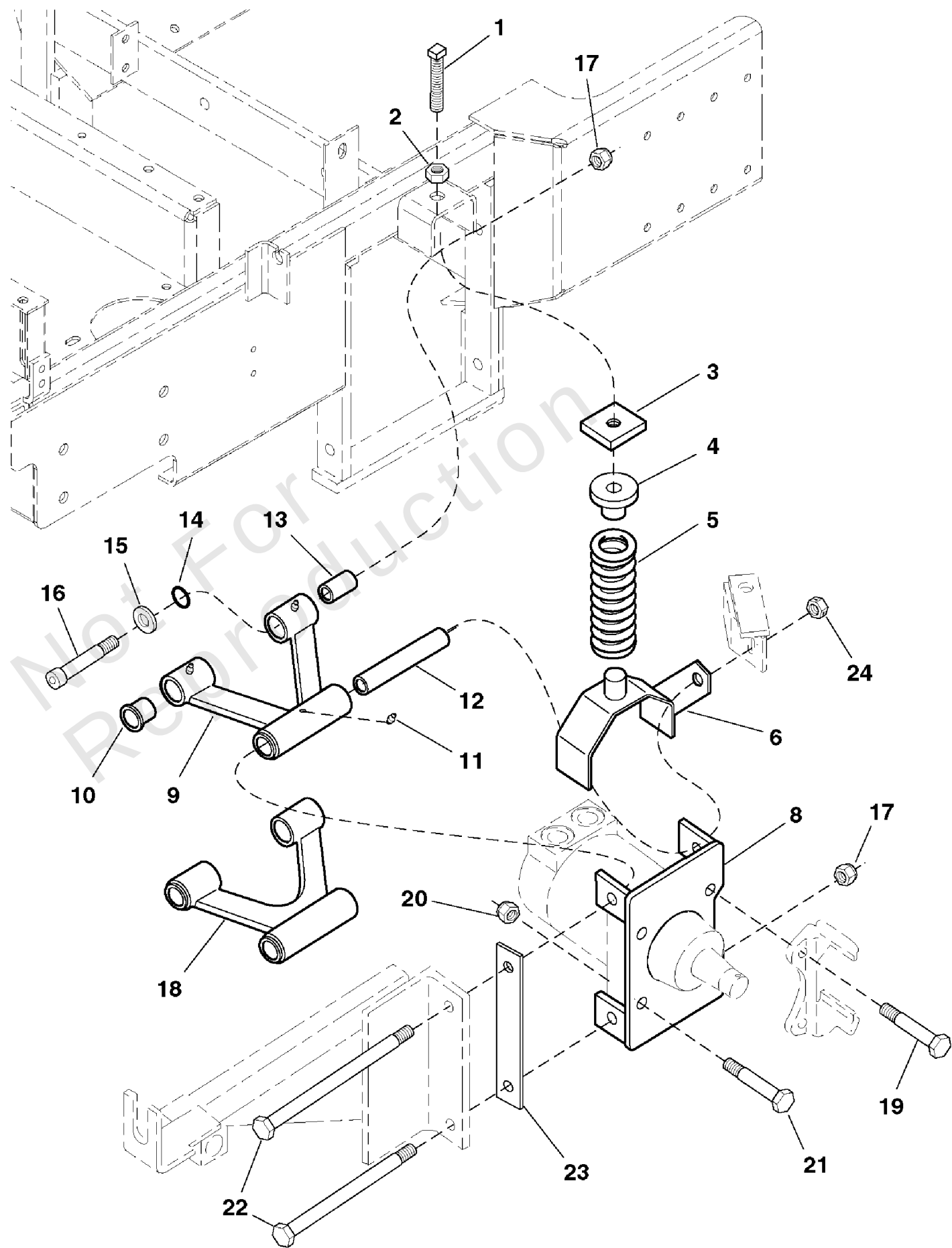
Seat & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	5022031	1	SEAT, GRAY, NO LOGO, CMPT
1	5022031X2	1	SEAT BOTTOM (EVC 907)
1	5022031X4	1	CUSHION, Back, Gray
1	5022440	2	ARM REST, Black
1	5020784X3	1	SEAT ADJUSTER RAILS (Set)
2A	5046299B	1	SEAT MOUNT -(IS4000Z/D31, S/N: 101 - 175)
2B	5046554B	1	SEAT MOUNT -(IS4000Z/D31, S/N: 175 & above)
3	5046557	1	SEAT STOP ROD -(IS4000Z/D31, S/N: 175 & above)
4	5020047	1	COLLAR, 5/16" Set -(IS4000Z/D31, serial no. 276 & up)
5	5025013X32	2	BOLT, 3/8-16 X 4" GD5 CZ
6	5025057	6	NUT, 5/16-18 Hex Nylon Lock
7	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
8	5025017X52	1	BOLT, 1/2-13 x 6-1/2
9	5025158	1	WASHER, 1/2 SAE
10	5022597	1	SPRING, Compression
11	5025301	1	NUT, 1/2-13 Hex Jam
12	5044677	1	WASHER, Reinforcement
13	5025056	1	NUT, 1/2-13 HEX NYLON LOCK
14	5022612	2	RUBBER BUMPER
15	5025270	2	SCREW, #10-24 X 1 RS, CZ
16	5022094	1	SWITCH, Plunger, NO/NC -(Briggs & Stratton Models)
16	1717050	1	SWITCH, PLUNGER, N.O./N.C. -(Kawasaki Models)
17	5025029	2	NUT, #10-24 Hex
18	5022673	1	RUBBER BUMPER
19	5100636	1	SPRING, EXTENSION, SEAT ADJUSTMENT (YEL OR BLK) -(SV)(Not an illustrated part.) (2" Total unstretched length)

Suspension Group - Rear

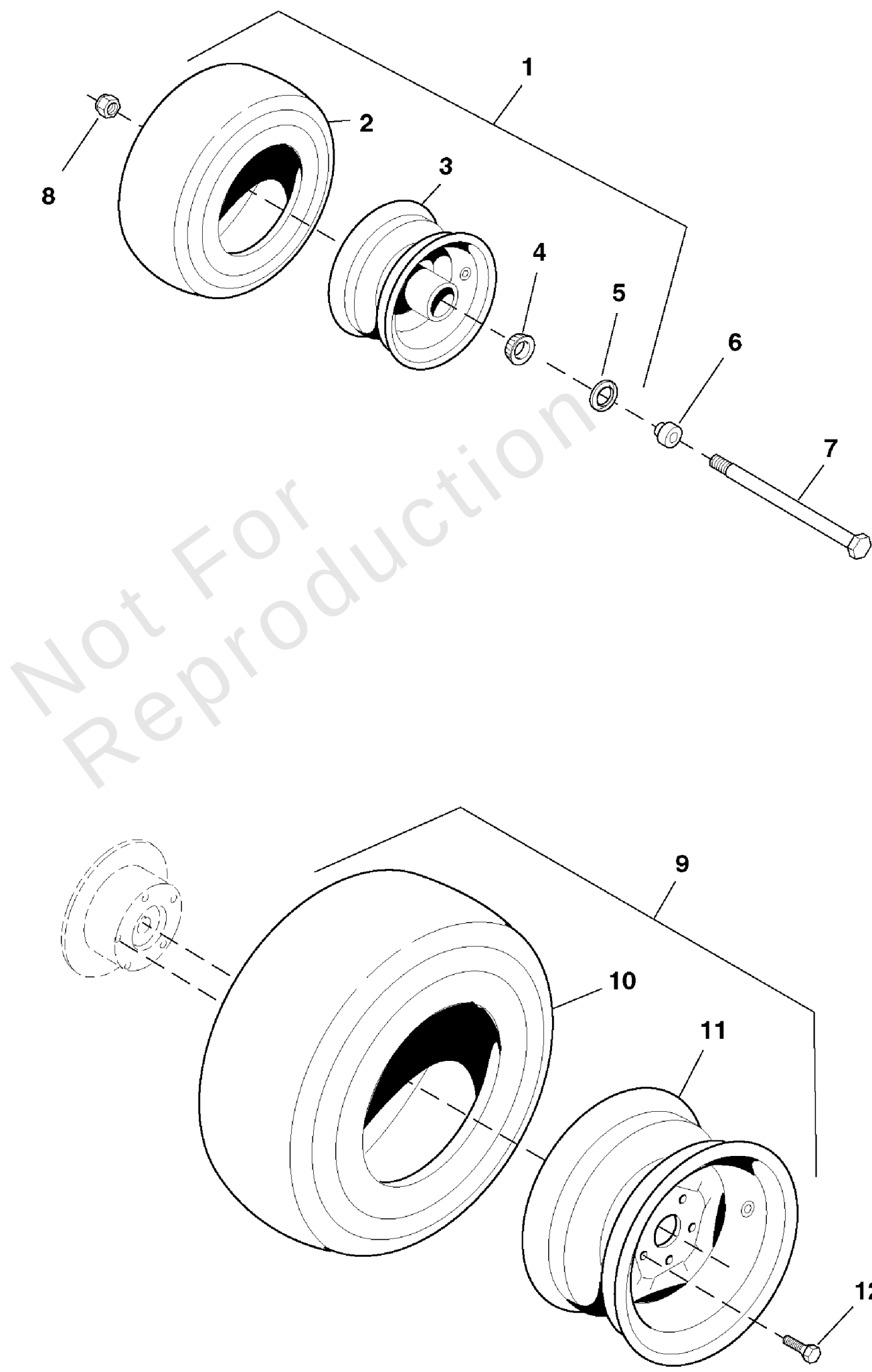
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



Suspension Group - Rear

REF NO	PART NO	QTY	DESCRIPTION
1	5025298	2	SET SCREW, Square Head, 1/2-13 x 3
2	5025301	2	NUT, 1/2-13 Hex Jam
3	5045904	2	SPRING COMPRESSION PLATE
4	5045898	2	SPRING RETAINER
5	5022323	2	SPRING, SUSPENSION
6	5045601B	1	SPRING SADDLE-LH
7	5045602B	1	SPRING SADDLE-RH -(Not Shown)
8	5045588B	2	WHEEL MOTOR MOUNT
9	5061038B	2	ASSM, UPPER A-ARM - RED
10	5022250	16	BUSHING, Flange
11	5020095	12	GREASE FITTING
12	5045305	4	PIVOT SLEEVE, Long
13	5045306	8	PIVOT SLEEVE, Short
14	5022269	8	O-RING
15	5045307	8	WASHER, A-Arm
16	5025294	8	BOLT, Allen Head, 1/2-13 x 3
17	5025056	10	NUT, 1/2-13 HEX NYLON LOCK
18	5046761B	2	SUSPENSION A-ARM, Lower
19	5025018X24	4	BOLT, 1/2-20 x 3
20	5025098	8	NUT, Hex, Nylon Lock, 1/2-20
21	5025018X20	4	BOLT, 1/2-20 X 2-1/2" GD5 CZ
22	5025017X52	4	BOLT, 1/2-13 x 6-1/2
23	5046059B	2	SPACER PLATE
24	5025332	2	NUT, 1/2-13 Hex Side Lock



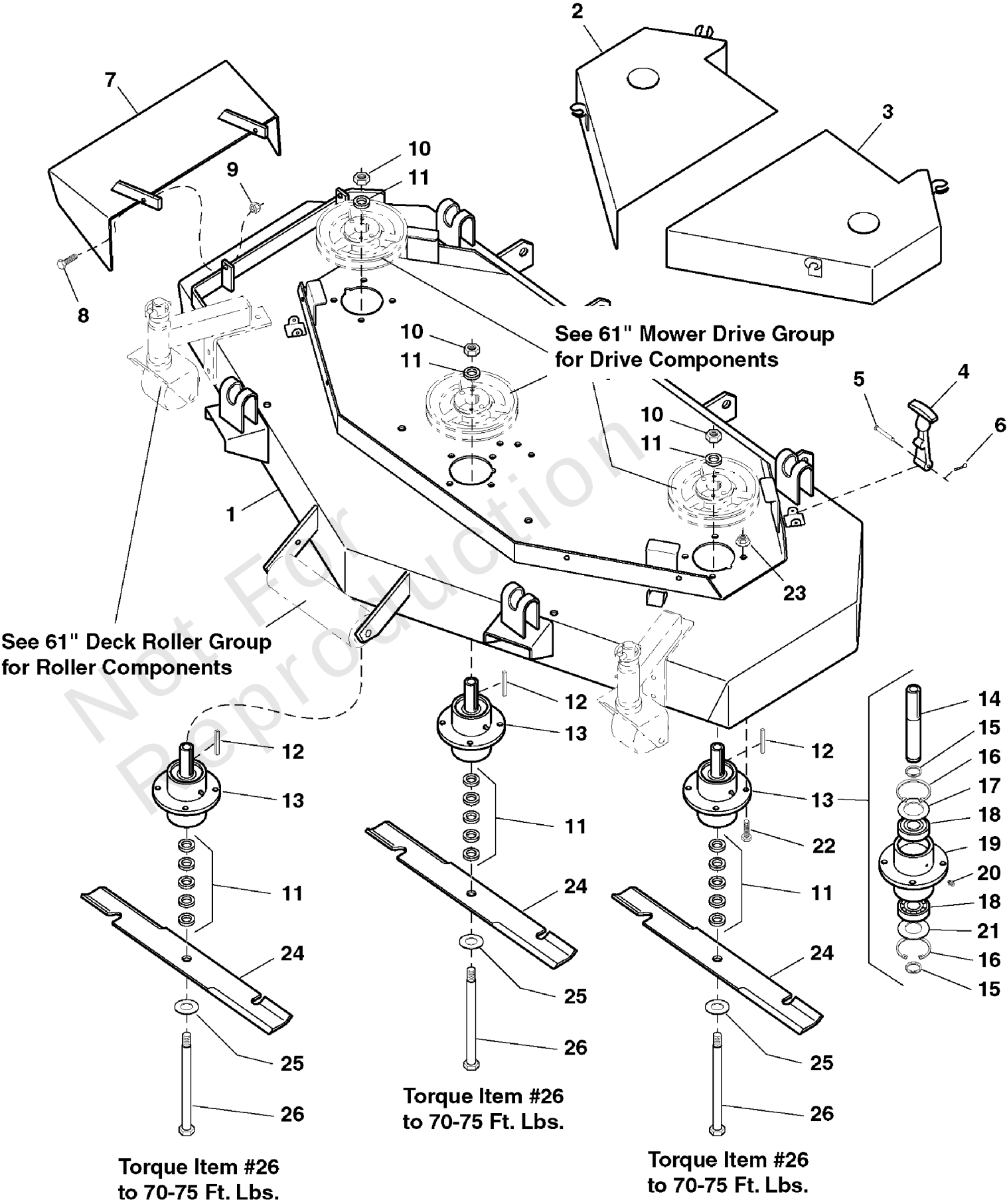
Wheels & Tires Group

REF NO	PART NO	QTY	DESCRIPTION
1	5023136	2	TIRE ASSM, 13 X 6.5 - 6, PNE / TB -(Includes Ref No. 2 - 5 & 13)
2	5022577	2	TIRE, RUBBER ONLY
3	5023136X1	2	WHEEL ASSEMBLY, for 13 x 6.5 x 6 Tires, Complete -(Includes Ref No. 4 & 5)
4	5022631SX2	4	BEARING, Tapered Roller -(2 per tire)
5	5022631SX3	4	SEAL, GREASE -(2 per tire)
6	5047103	4	ADAPTER, CASTER AXLE, CZ -(2 per tire)
7	5025017X68	2	BOLT, 1/2-13 x 8-1/2
8	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
9	5022372S	2	WHEEL & TIRE ASSEMBLY, 24 x 12 x 12, Complete -(Includes Ref No. 10 & 11)
10	5022582	2	TIRE, Rear, 24 x 12 x 12
11	5022583S	2	WHEEL ASSEMBLY, for 24 x 12 x 12 Tires
12	5022215	10	WHEEL LUG, 1/2 x 1-5/8
13	5022631SX4	2	BEARING, RACE -(Not Shown)

61" Mower Deck - Housing, Covers, Spindles & Blades (S/N: 101-120)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



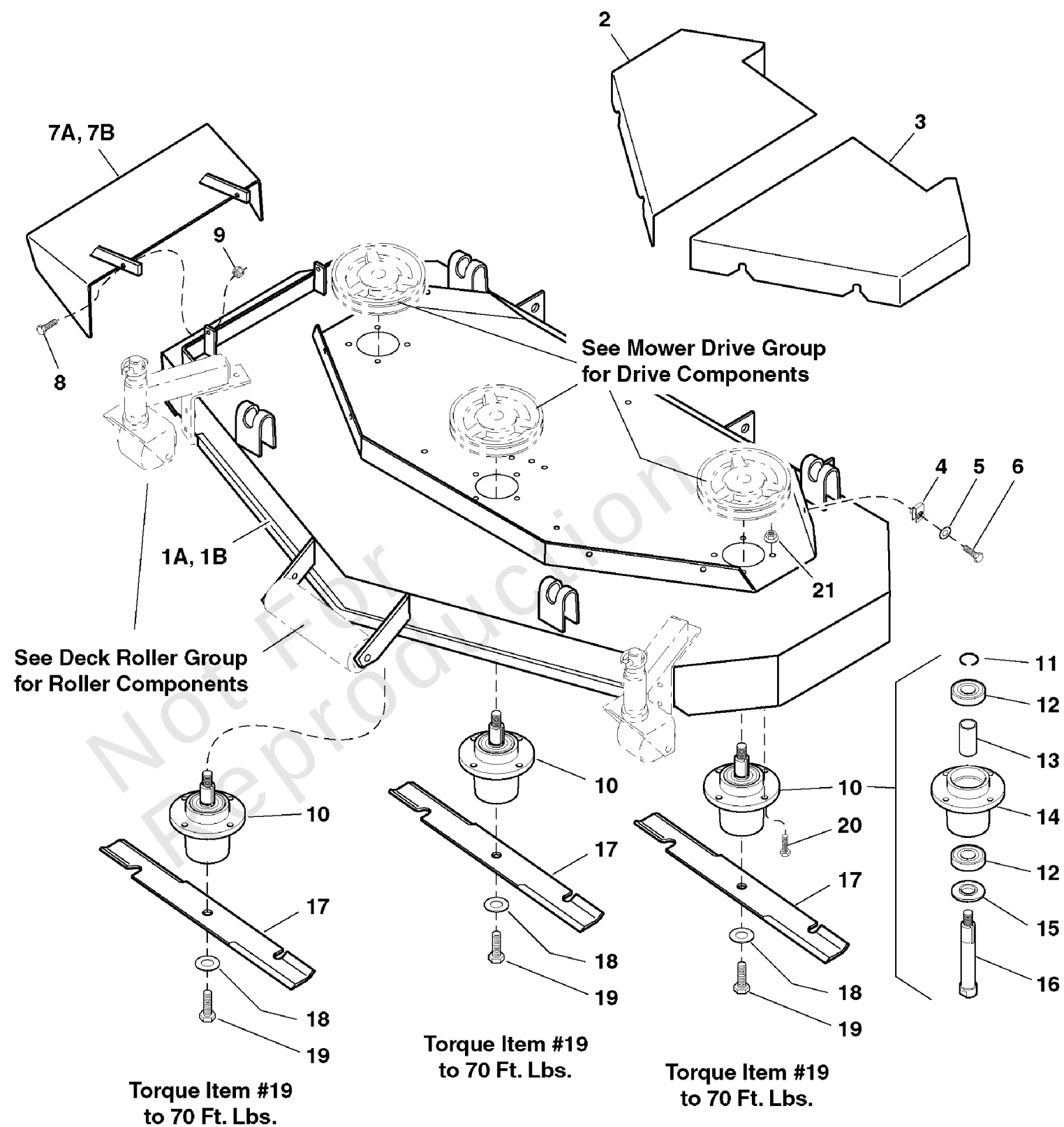
61" Mower Deck - Housing, Covers, Spindles & Blades (S/N: 101-120)

REF NO	PART NO	QTY	DESCRIPTION
1	5045801B	1	61" MOWER HOUSING
2	5046642B	1	SPINDLE COVER-LH
3	5046643B	1	SPINDLE COVER-RH
4	5020841X1	4	RUBBER LATCH
5	5020841X4	4	CLEVIS PIN
6	5020841X5	4	COTTER PIN
7	5046445B	1	DISCHARGE CHUTE
8	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
9	5025057	2	NUT, 5/16-18 Hex Nylon Lock
10	5025040	3	NUT, 5/8-11 Hex
11	5041477	18	SPACER, .63 x 1.06 x .23
12	5050407X9	3	KEY, 1/4 SQ. X 2-1/2
13	5030301	3	SPINDLE ASSEMBLY, Complete
14	5041480	3	SPINDLE SHAFT
15	5020864	6	SNAP RING, External
16	5020866	6	SNAP RING, Internal
17	5041653	3	SPINDLE WASHER, Top
18	5020828	6	BEARING
19	5030293	3	SPINDLE HOUSING
20	5020095	3	GREASE FITTING
21	5041672	3	SPINDLE WASHER, Bottom
22	5025011X10	12	BOLT, 5/16-18 x 1-1/4
23	5025139	12	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
24	5020842	3	MOWER BLADE, 21"
25	5025159	3	WASHER, 5/8" USS
26	5025019X76	3	BOLT, 5/8-11 x 9-1/2

61" Mower Deck - Housing, Covers, Spindles & Blades (S/N: 121 & up)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



61" Mower Deck - Housing, Covers, Spindles & Blades (S/N: 121 & up)

REF NO	PART NO	QTY	DESCRIPTION
1A	5046664B	1	61" MOWER HOUSING -(S/N: 130 - 320)
1B	5647491	1	DECK SHELL W/DECALS, 61" -(Includes safety decals, S/N: 321 & above)
2	5046440B	1	SPINDLE COVER-RH
3	5046441B	1	SPINDLE COVER-LH
4	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
5	5025155	6	WASHER, 5/16" SAE
6	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
7A	5046445B	1	DISCHARGE CHUTE -(S/N: 121-320)
7B	5046985B	1	DISCHARGE CHUTE -(S/N: 321 & above)
8	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
9	5025057	2	NUT, 5/16-18 Hex Nylon Lock
10	5046363	3	* SPINDLE ASSEMBLY, Complete -(Includes Ref No. 11 - 16)
11	5046363X6	3	USE 61095
12	5046363X5	6	USE 61095
13	5046363X4	3	USE 61095
14	5046363X1	3	USE 61095
15	5046363X3	3	USE 61095
16	5046363X2	3	USE 61095
17	5020842	3	MOWER BLADE, 21"
18	5025159	3	WASHER, 5/8" USS
19	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
20	5025011X9	12	BOLT, 5/16-18 x 1-1/8
21	5025139	12	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)

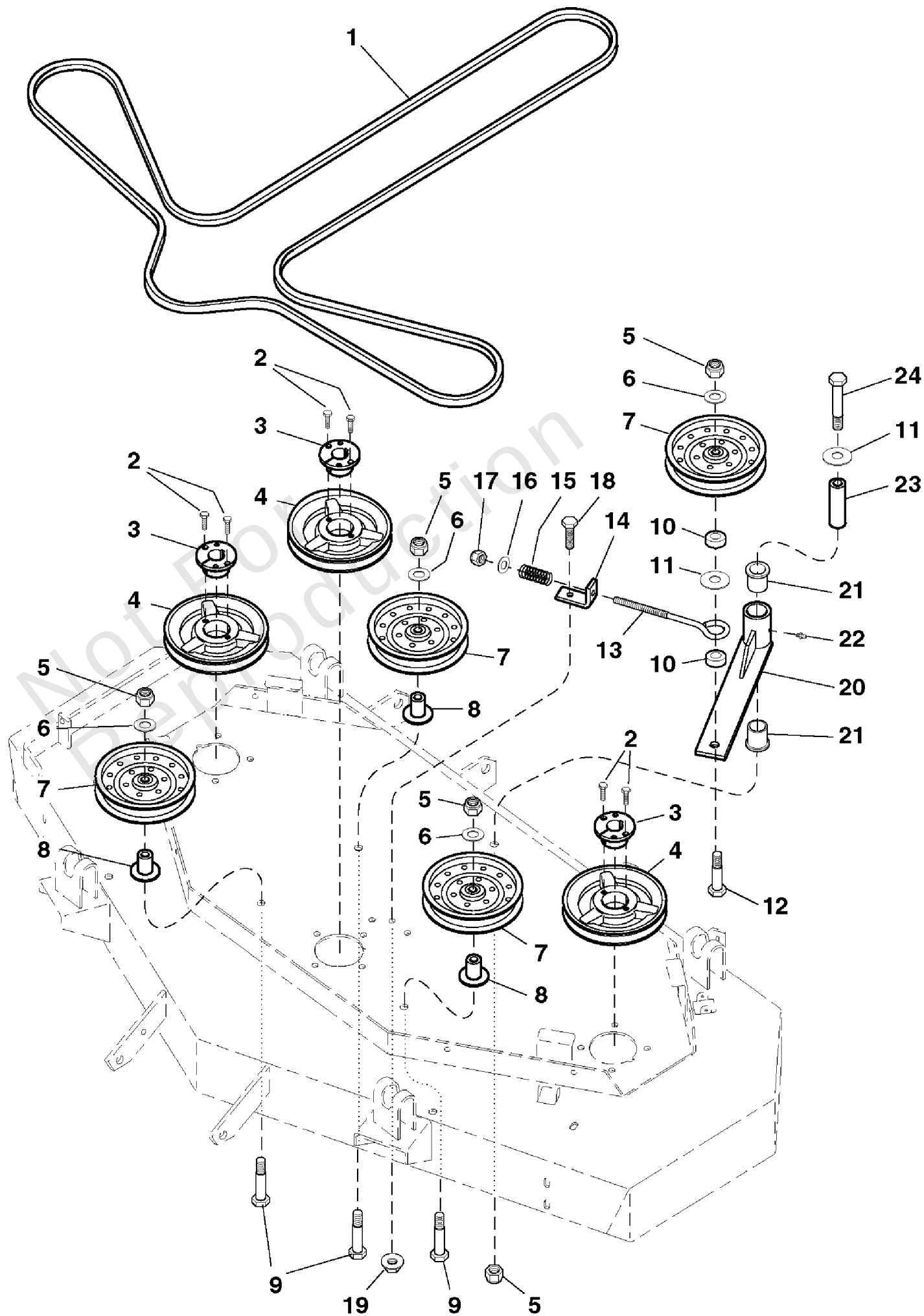
Footnotes:

* When replacing spindle you must also order 5025406 - Qty (1) & 5025405 - Qty(1)

61" Mower Deck - Pulleys, Belt & Idler Arm (S/N: 101-120)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



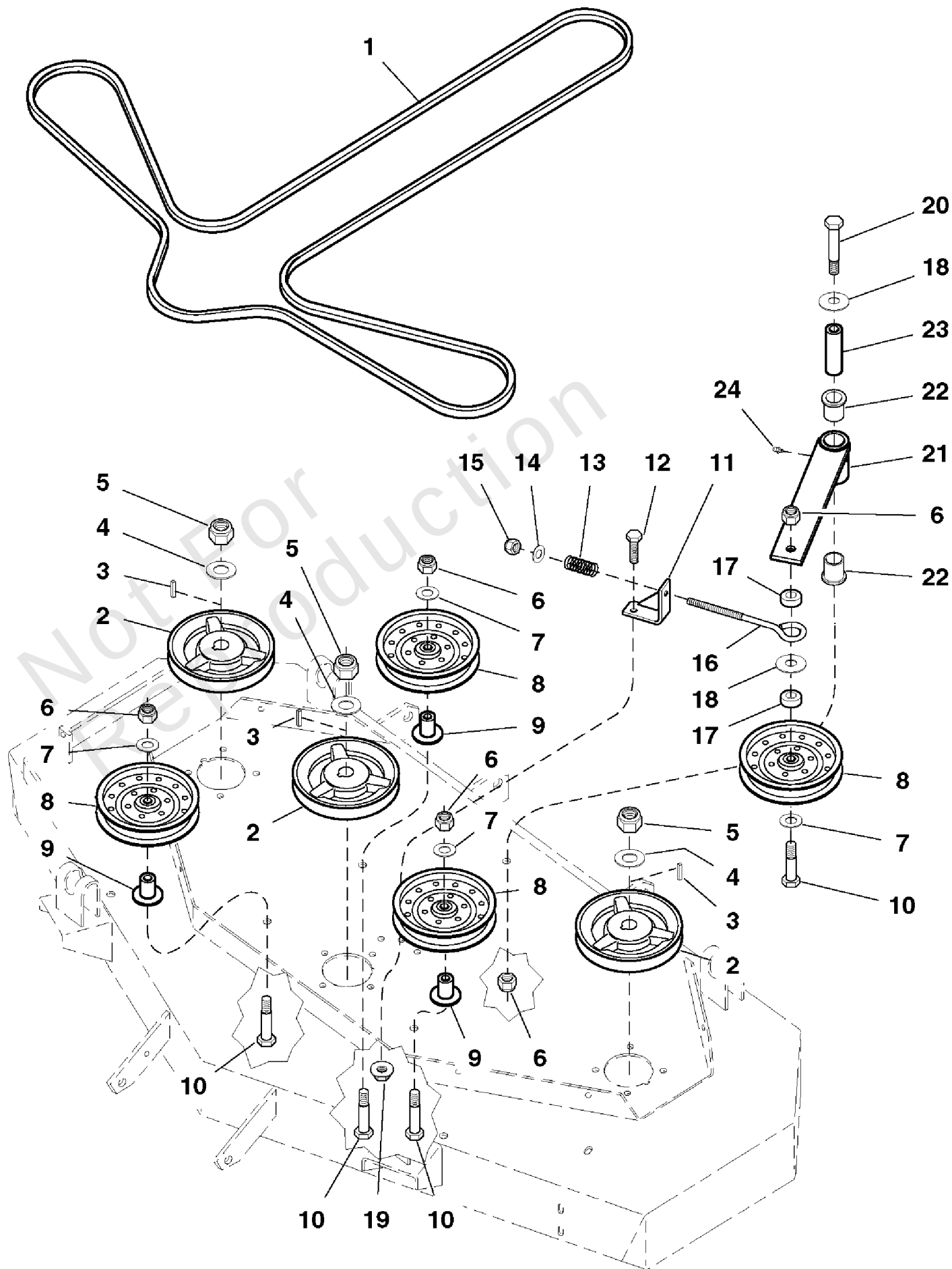
61" Mower Deck - Pulleys, Belt & Idler Arm (S/N: 101-120)

REF NO	PART NO	QTY	DESCRIPTION
1	5022399	1	BELT, 61" Deck
2	5025010X8	6	BOLT, 1/4-20 X 1" GD5 CZ
3	5020819	3	BUSHING, Tapered Hub
4	5020815	3	PULLEY, Spindle
5	5025056	5	NUT, 1/2-13 HEX NYLON LOCK
6	5025158	4	WASHER, 1/2 SAE
7	-----	4	Replace with: Pulley #5104717 & Debris Shield #5105145 -*If not present, order 5025158 - washer and 5101103 - shield.
8	5045024B	3	IDLER PULLEY MOUNT
9	5025017X28	3	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
10	5045023	2	SPACER, .52 x 1.00 x .44
11	5025150	2	WASHER, 1/2" USS
12	5025017X24	1	BOLT, 1/2-13 X 3" GD5 CZ
13	5021811	1	EYEBOLT, 3/8" x 8"
14	5042142B	1	SPRING ANCHOR
15	5021680	1	SPRING, Compression
16	5025156	1	WASHER, 3/8 SAE
17	5025096	1	NUT, 3/8-16 HEX NYLON LOCK
18	5025013X8	1	BOLT, 3/8-16 X 1" GD5 CZ
19	5025128	1	NUT, 3/8-16 Hex Serrated Flange
20	5045019B	1	IDLER ARM
21	5021541	2	BUSHING, FLANGE
22	5020095	1	GREASE FITTING
23	5045022	1	SPACER, .52 x 1.00 x 3.50
24	5025017X36	1	BOLT, 1/2-13 x 4-1/2

61" Mower Deck - Belt, Pulleys & Idler Arm (S/N: 121 & up)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



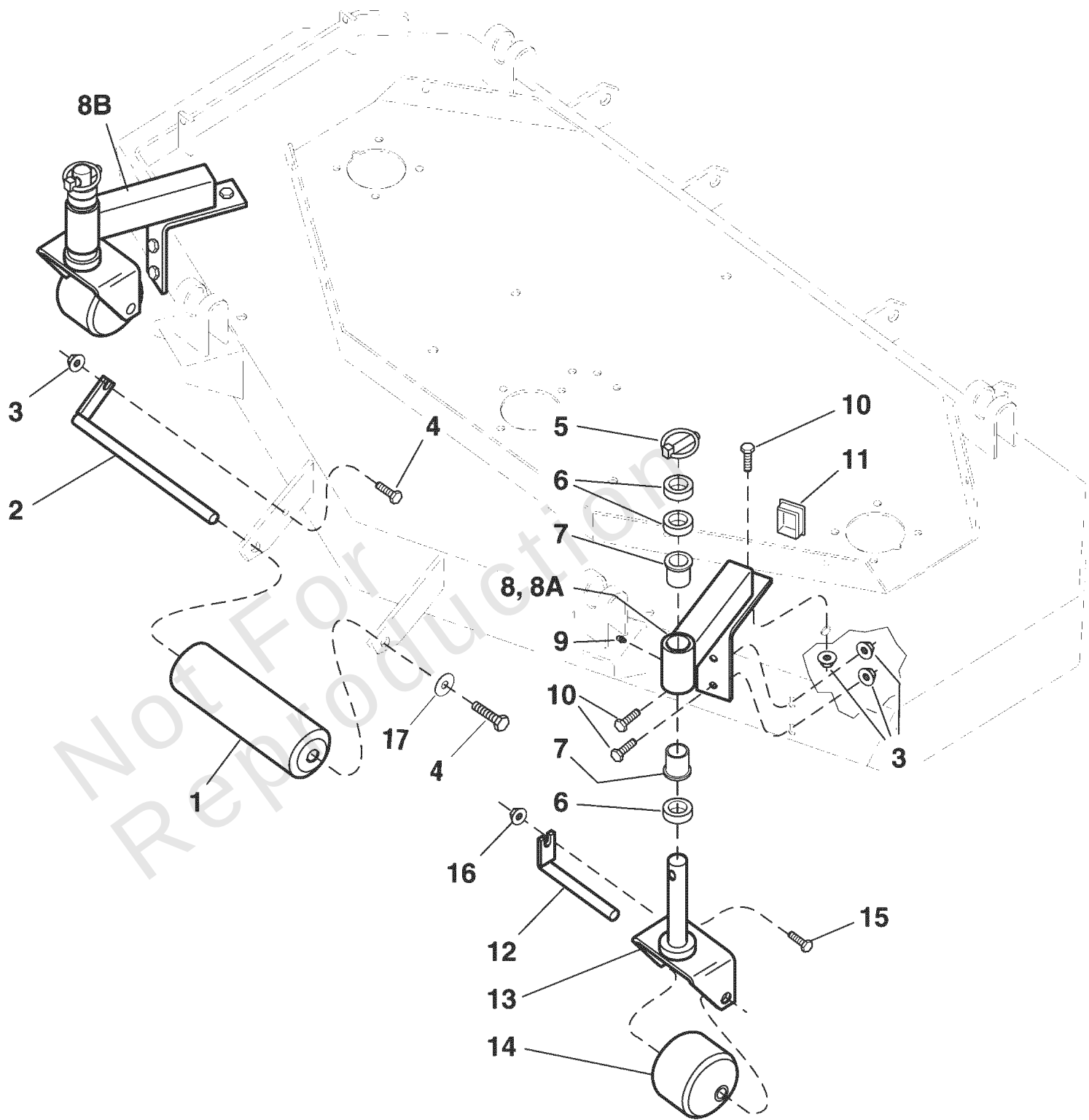
61" Mower Deck - Belt, Pulleys & Idler Arm (S/N: 121 & up)

REF NO	PART NO	QTY	DESCRIPTION
1	5022399	1	BELT, 61" Deck
2	5046466	3	SPINDLE PULLEY
3	5050407X10	3	KEY, 1/4 SQ. X 1-1/4
4	5025318	3	WASHER, Spring
5	5025319	3	NUT, 5/8-18 Hex Nylon Lock
6	5025056	5	NUT, 1/2-13 HEX NYLON LOCK
7	5025158	4	WASHER, 1/2 SAE
8	-----	4	Replace with: Pulley #5104717 & Debris Shield #5105145 -*If not present, order 5025158 - washer and 5101103 - shield.
9	5103430	3	IDLER MOUNT
10	5025017X24	4	BOLT, 1/2-13 X 3" GD5 CZ
11	5046432B	1	SPRING ANCHOR
12	5025013X8	1	BOLT, 3/8-16 X 1" GD5 CZ
13	5022788	1	SPRING, Compression
14	5025156	1	WASHER, 3/8 SAE
15	5025096	1	NUT, 3/8-16 HEX NYLON LOCK
16	5021811	1	EYEBOLT, 3/8" x 8"
17	5045023	2	SPACER, .52 x 1.00 x .44
18	5025150	2	WASHER, 1/2" USS
19	5025128	1	NUT, 3/8-16 Hex Serrated Flange
20	5025017X36	1	BOLT, 1/2-13 x 4-1/2
21	5045019B	1	IDLER ARM
22	5021541	2	BUSHING, FLANGE
23	5045022	1	SPACER, .52 x 1.00 x 3.50
24	5020095	1	GREASE FITTING

61" Mower Deck - Rollers & Casters

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



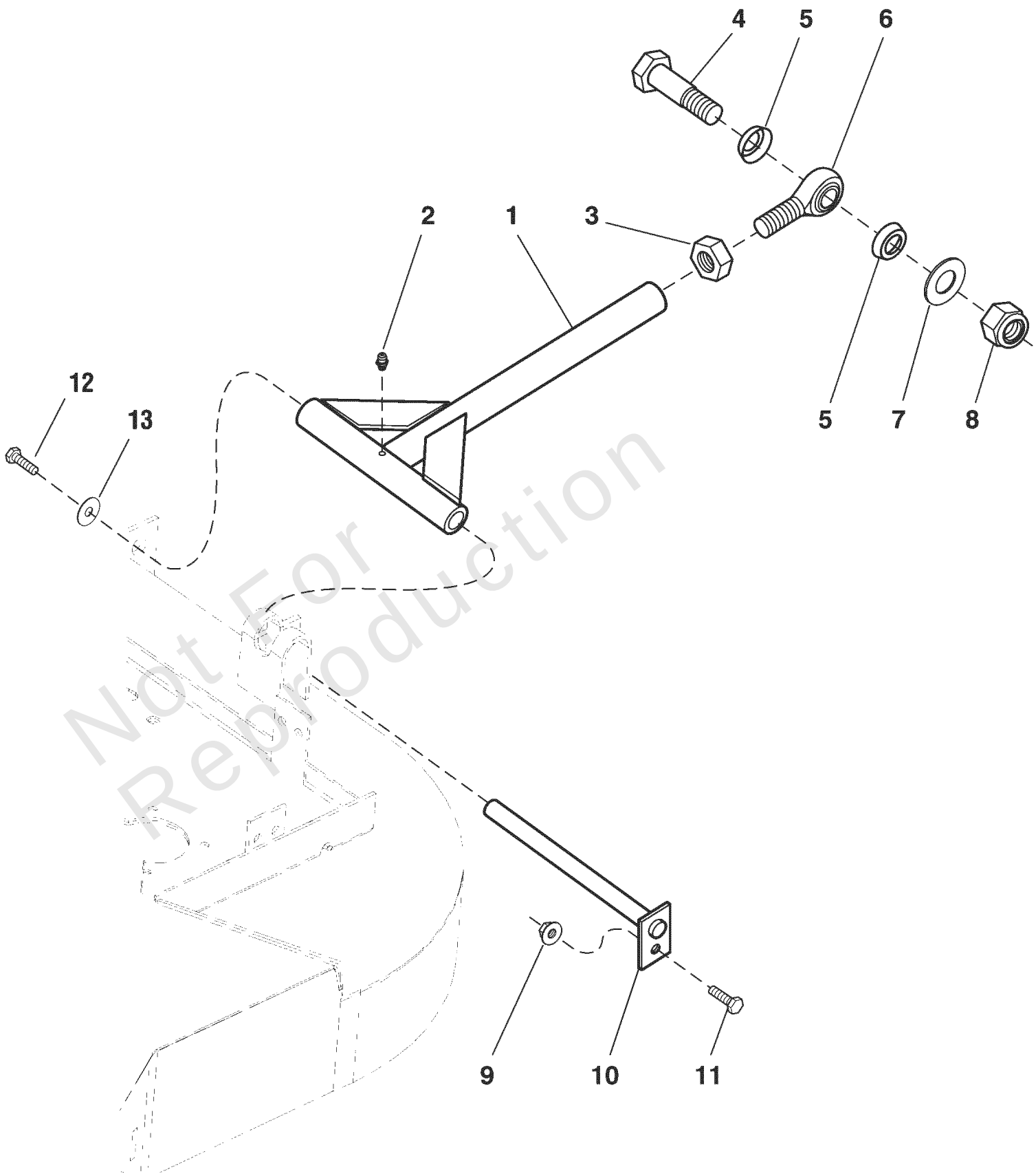
61" Mower Deck - Rollers & Casters

REF NO	PART NO	QTY	DESCRIPTION
1	5020785	1	ROLLER
2	5041655A	1	USE 5105755 - WELD, BRKT,ROLLER PIN,BLK
3	5025128	7	NUT, 3/8-16 Hex Serrated Flange
4	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
5	5020655	2	PIN, Lynch
6	5041476	6	SPACER, 1.02 x 1.56 x .50
7	5021541	4	BUSHING, FLANGE
8	5045185B	2	CASTER MOUNT ARM -(S/N: 101-320)
8A	5600280	1	ASSM, ARM, DECK CASTER, LH -(Includes bushing and grease fitting)(S/N: 321 & above)
8B	5600279	1	ASSM, ARM, DECK CASTER, RH -(Includes bushings and grease fitting)(S/N: 321 & above)
9	5020095	2	GREASE FITTING
10	5025013X6	6	BOLT, 3/8-16 X 3/4" GD5 CZ
11	5022098	2	CAP, Plastic
12	5045034B	2	CASTER ROLLER PIN
13	5045188B	2	CASTER YOKE
14	5022060	2	ROLLER, Caster
15	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
16	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
17	5100548	1	WASHER, .390 X 1.50 X .109 YZ

61" & 72 Mower Deck - Rear Mount Bars

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901066



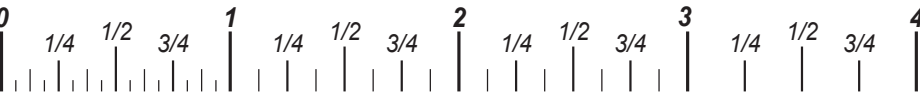
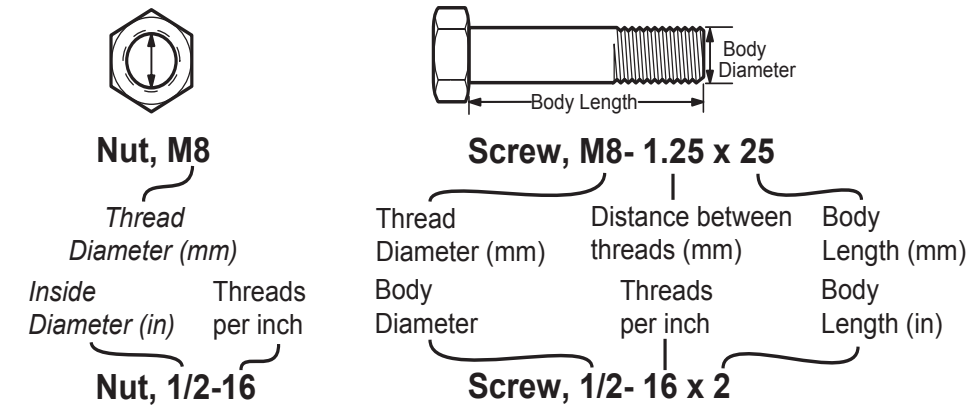
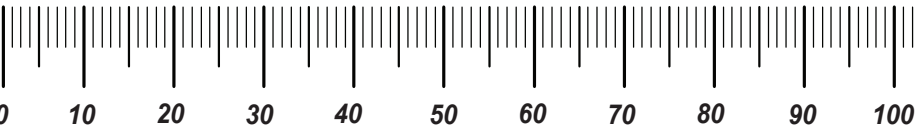
61" & 72 Mower Deck - Rear Mount Bars

REF NO	PART NO	QTY	DESCRIPTION
1	5045009B	2	ASSM, DECK PUSHER BAR
2	5020095	2	GREASE FITTING
3	5025093	2	NUT, 3/4-16 Hex Jam
4	5025265X24	2	BOLT, 3/4-16 x 3
5	5022111	4	ROD END SEAL
6	5022039	2	BALL JOINT, 3/4-16 Male
7	5025160	2	WASHER, 3/4 SAE
8	5025284	2	NUT, 3/4-16 Hex Nylon Lock
9	5025139	2	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
10	5045037A	2	NLA - WELD, DECK MOUNT SHAFT - BLK
11	5025011X8	2	BOLT, 5/16-18 X 1 GD5 YZ
12	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
13	5100548	2	WASHER, .390 X 1.50 X .109 YZ

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).

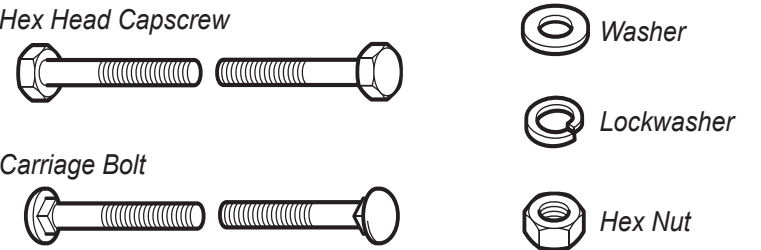
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

