



Parts Manual

Mfg. No: 5901743

Contender XT, 24 Gross HP B&S Rider w/
52" Fabricated Mower Deck



5600891 - Roll Bar Mounted LED Headlight Kit.

5600780 - 52" iCD TURBO-Pro; 2-Bag Hard Top Grass Collection System (700/150XT).....

5600584YP - Grass Mulcher Kit, 52" ICD Mower (Serial Nos. 2015362262 & Above).....

5023280SM - Caster Flat Free, 13 x 5 - 6.

5600783 - 52" iCD TURBO-Pro; 3-Bag Hard Top Grass Collection System (700/150XT).....

5105096 - SEAT, MID BACK, SEAT'SINC, W/SWITCH.

5105137YP - SEAT BELT ASM, RETRACTOR + SLIP SLEEVE.....

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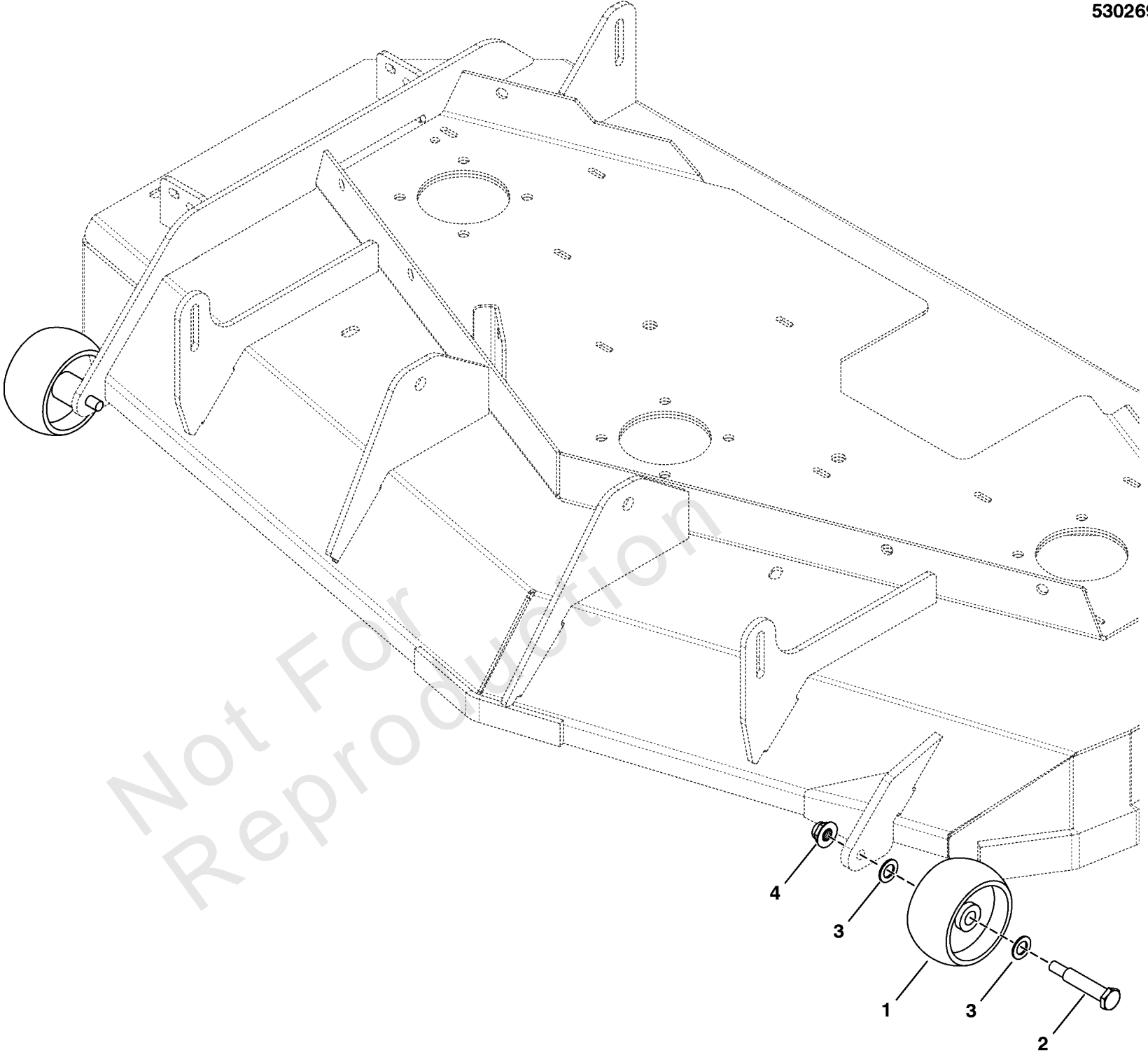
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52" Mower Deck - Front Rollers

Note: Unless noted otherwise, use the standard torque specifications

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5302697



52" Mower Deck - Front Rollers

REF NO	PART NO	QTY	DESCRIPTION
1	1714760SM	2	GAUGE WHEEL
2	2108765SM	2	BOLT-WHEEL 3/8-16X2.7
3	703128	4	WASHER
4	5025100SM	2	NUT, 3/8-16 HEX SIDE

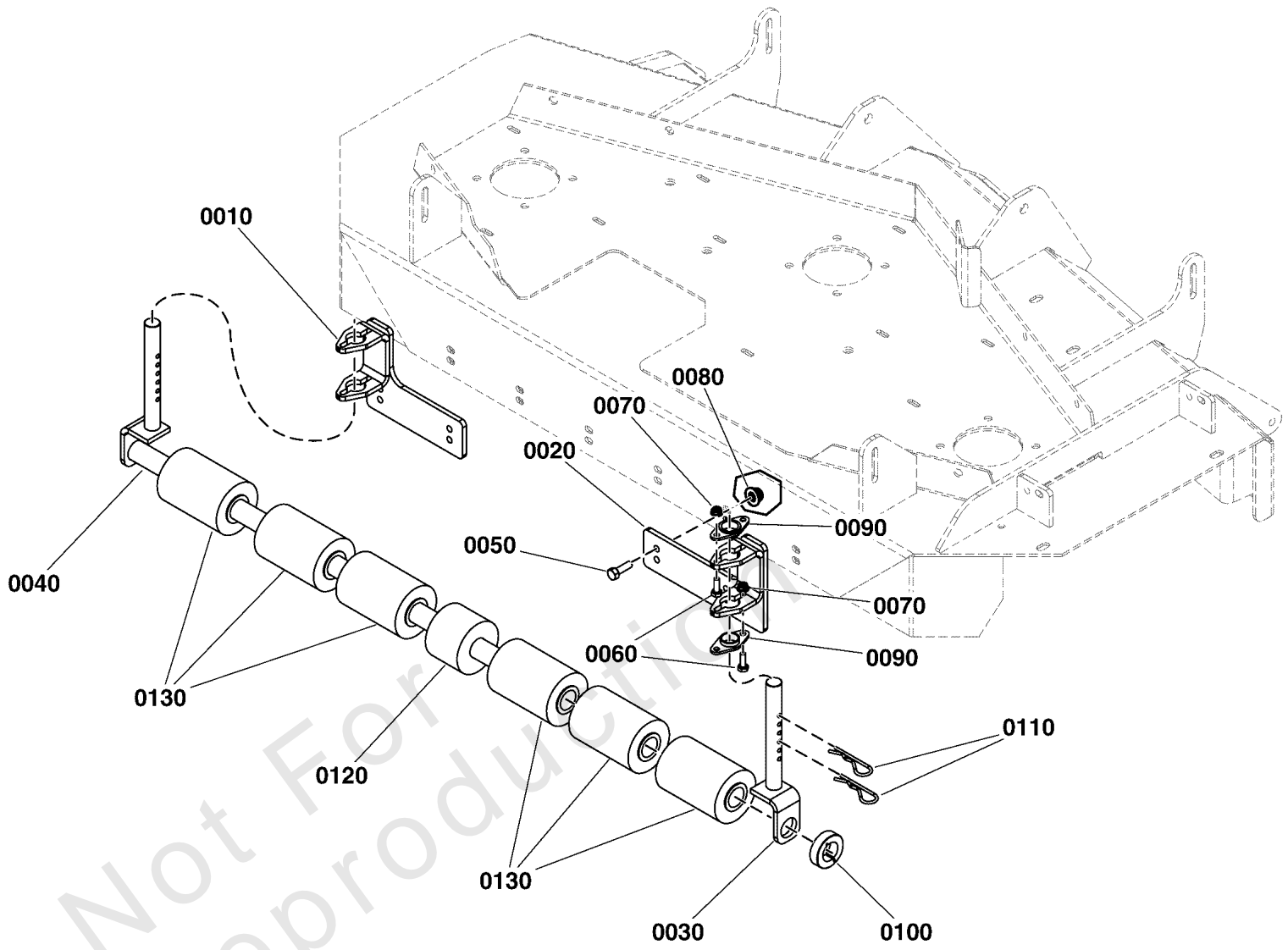
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52" Mower Deck - Rear Roller Bar (5303257)

Note: Unless noted otherwise, use the standard torque specifications

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5303257



52" Mower Deck - Rear Roller Bar (5303257)

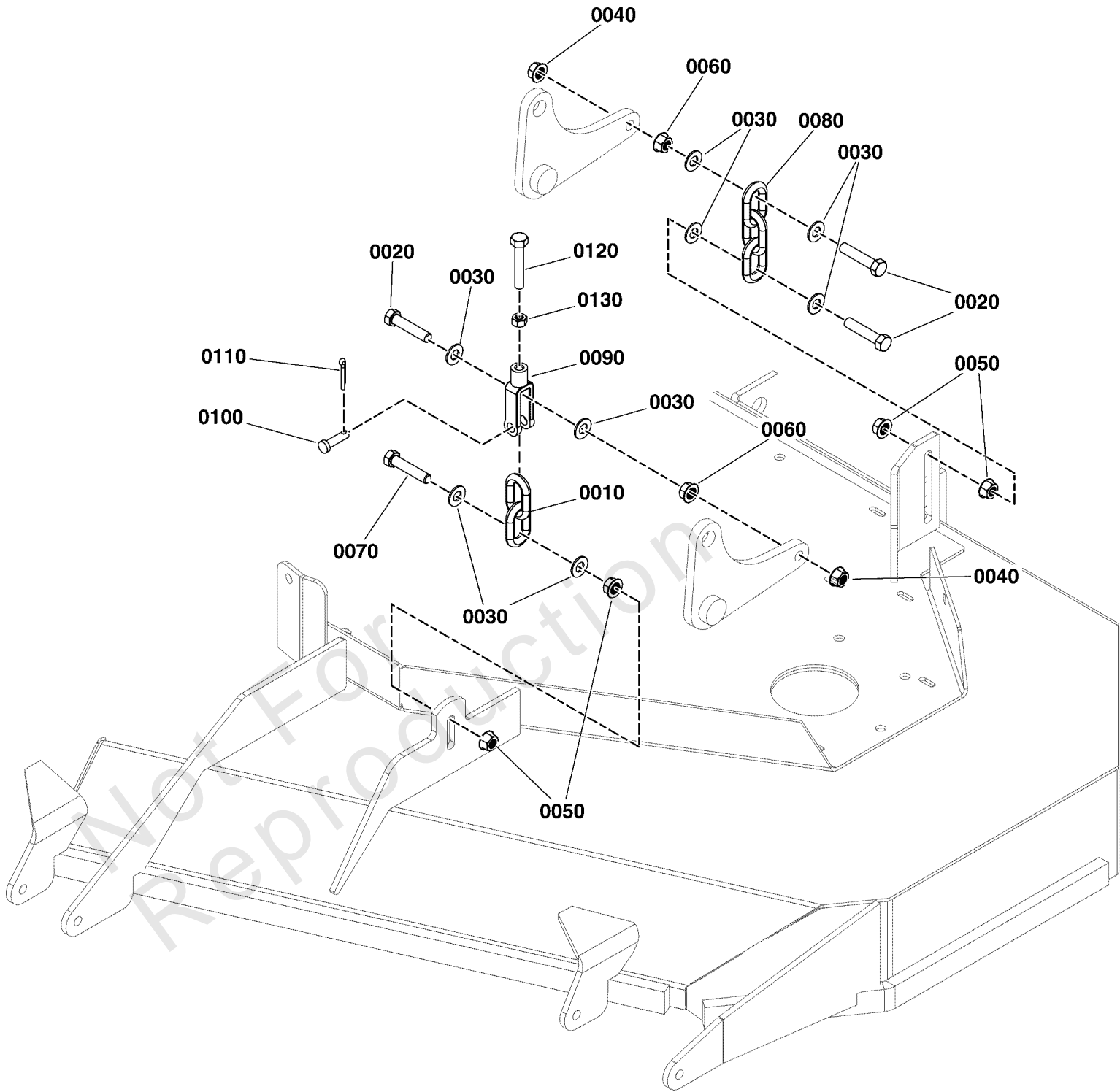
REF NO	PART NO	QTY	DESCRIPTION
0010	5410491AYP	1	ROLLER MOUNT LH
0020	5410490AYP	1	WELD, ROLLER MOUNT RH, 48, IS600 - BLK
0030	5410489AYP	1	WELD, ROLLER SUPPORT, 48, IS600 - BLK
0040	5410488AYP	1	WELD, ROLLER SHAFT, 48, IS600 - BLK
0050	703570	8	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0060	5025010X6SM	8	BOLT, 1/4-20 X 3/4" G
0070	703463	8	NUT, GR5, 1/4-20
0080	5025127SM	8	NUT, 5/16-18 HEX SERR
0090	5023155SM	4	BUSHING, FLANGE
0100	5020602SM	1	COLLAR, 1" SPLIT
0110	1960033SM	4	CLIP, Hair Pin
0120	1720159SM	1	ROLLER-1.010ID 2
0130	1678042YP	6	ROLLER, W/Bushings

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52" Mower Deck Group - Hanger Chains

Note: Unless noted otherwise, use the standard torque specifications

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52" Mower Deck Group - Hanger Chains

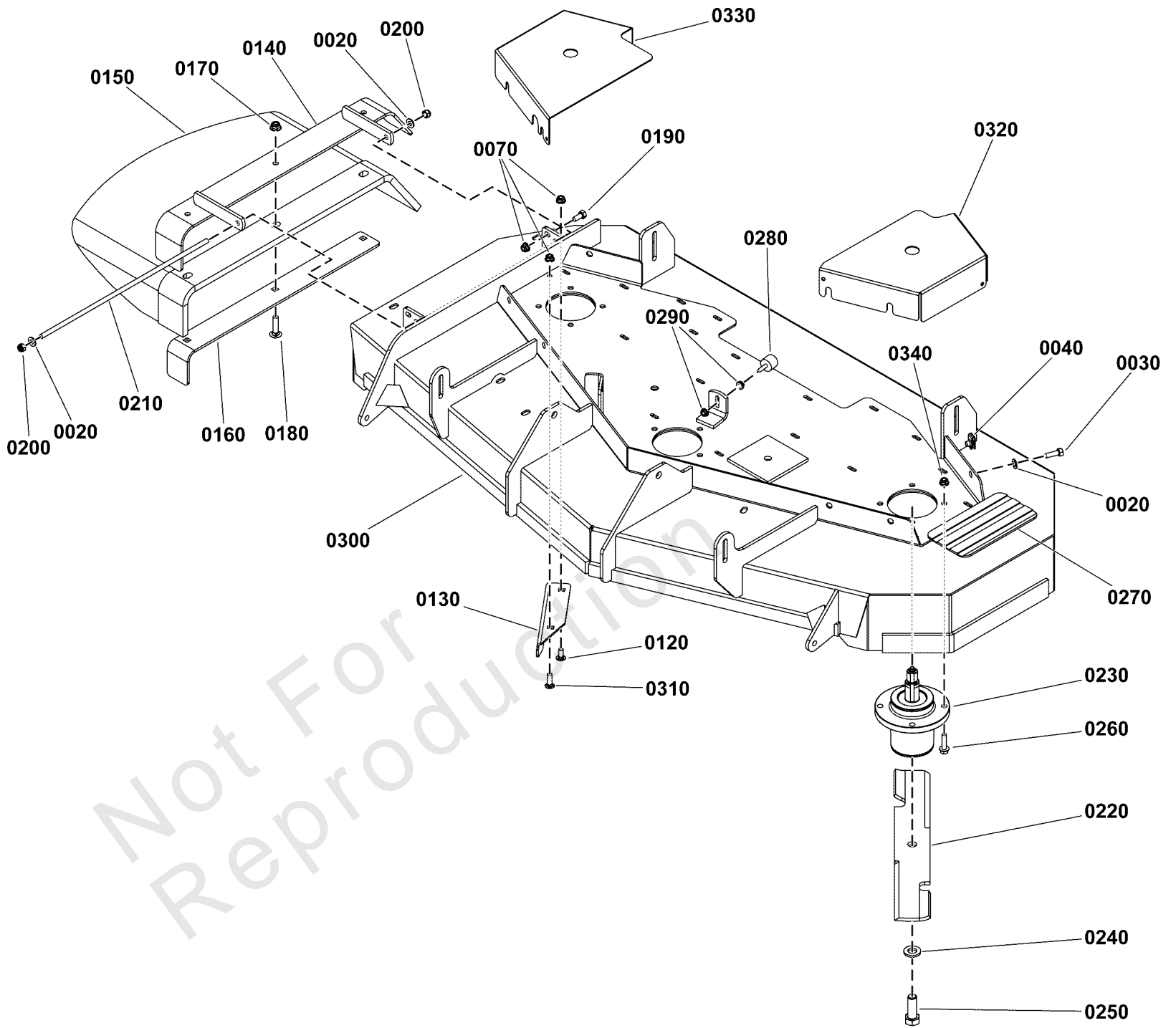
REF NO	PART NO	QTY	DESCRIPTION
0010	5050878X2YP	2	CHAIN, 5/16 GD30, 2 L
0020	5025013X14SM	6	BOLT, 3/8-16 X 1-3/4"
0030	703590	16	WASHER, FLAT, .406
0040	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0050	5025128SM	8	NUT, 3/8-16 HEX SERRA
0060	5025084SM	4	NUT, 3/8-16 HEX JAM
0070	5025013X16SM	2	CAPSCREW, Hex Head, 3/8-16 x 2
0080	5050878X3SM	2	CHAIN, 5/16" GD30, 3
0090	5100375YP	2	CLEVIS, 5/16-18, 3/8
0100	5025214X9SM	2	PIN - CLEVIS
0110	703312	2	PIN, COTTER, 3/32X.75
0120	5025055X16SM	2	BOLT, 5/16-18X2
0130	5025032SM	2	NUT, 5/16-18 HEX

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

Note: Unless noted otherwise, use the standard torque specifications

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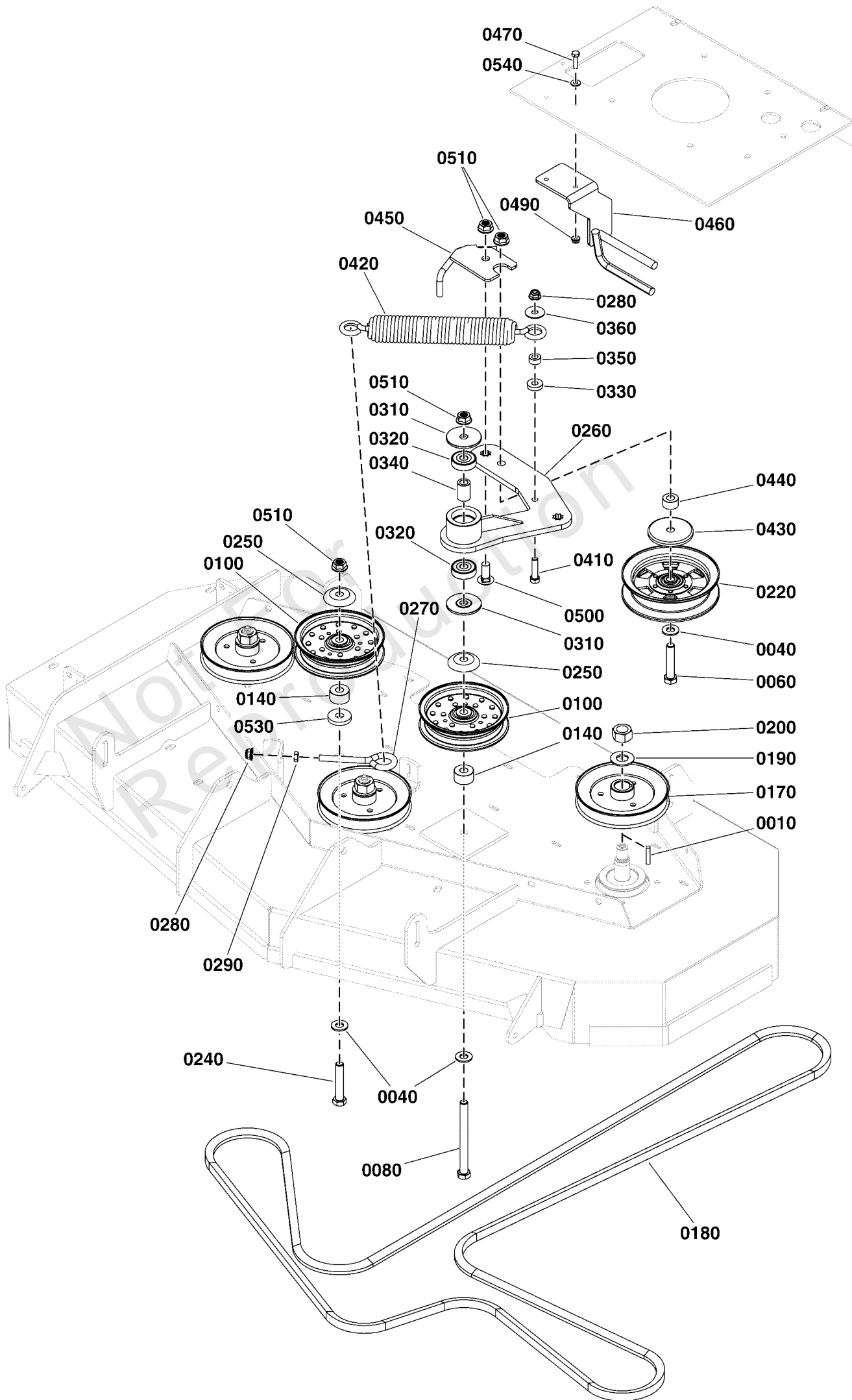
52" Mower Deck Group - Housing, Covers, Spindles & Blades

REF NO	PART NO	QTY	DESCRIPTION
0020	703302	8	WASHER, 5/16
0030	703570	6	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0040	5022308SM	6	BODY CLIP, 5/16-18 X
0070	703115	3	NUT
0120	5025145X6SM	1	BOLT, 5/16-18 X 3/4",
0130	5405557YP	1	PLATE
0140	5413400AYP	1	KIT-MOUNTING PLATE, CHUTE ROTATION
0150	5413500YP	1	CHUTE, RUBBER DISCHARGE (5104442)
0160	5413398AYP	1	SUPPORT
0170	5025394SM	3	NUT, 3/8-16 HEX NYLOCK
0180	5025146X12YP	3	BOLT, 3/8-16 X 1-1/2
0190	5025011X6SM	1	BOLT, 5/16-18 X 3/4"
0200	5025045SM	2	NUT, 5/16-24 HEX NYLO
0210	5061300SM	1	MOUNT, Chute
0220	5101756SYP	1	BLADE, 18 X .25 X 2.5, 1 X 3.5 (SET OF 3)
0230	5061095SM	3	ASSM, SPINDLE, LOW PR
0240	5025477SM	3	WASHER, 5/8" YZ
0250	770136	3	BOLT -(Torque blade mounting bolt to 120 ft-lbs (163 Nm)
0260	770137	12	BOLT -(Torque spindle mounting bolt to 30 ft-lbs (41 Nm)
0270	5101004SM	1	SAFETY WALK
0280	5413403AYP	1	WELD, MOUNT, DISCHARGE CHUTE - BLK
0290	5105237YP	2	BUMPER
0300	5601186	1	DECK SHELL W/ DECALS, CNTDR XT-52
0310	5025145X8SM	1	BOLT, 5/16-18 X 1", C
0320	84003150	1	GUARD, Belt -Left
0330	84003151	1	GUARD, Belt -Right
0340	703158	12	NUT, Hex Flange, 3/8-16

52" Mower Deck Group - Pulleys, Belt & Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

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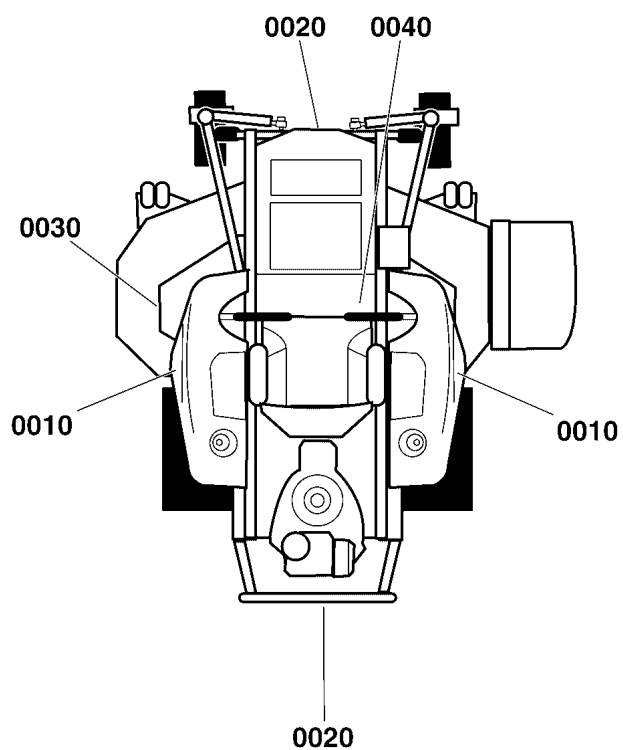
52" Mower Deck Group - Pulleys, Belt & Idler Arm

REF NO	PART NO	QTY	DESCRIPTION
0010	5050407X10YP	3	KEY, 1/4 SQ X 1-1/4
0040	5025158SM	3	WASHER, 1/2" SAE
0060	5025017X20SM	1	BOLT, 1/2-13 X 2-1/2
0080	5025017X44SM	1	BOLT, 1/2-13 X 5-1/2"
0100	5101794YP	2	PULLEY, IDLER, 5" OD
0140	5047142SM	2	SPACER, .52 X 1.25 X
0170	5101351YP	3	PULLEY, 5.926 OVER BA
0180	84003642	1	BELT, DRIVE -5V, 169.37"EL, ARAMID WRPD RC
0190	770223	3	WASHER, Belleville, 3/4
0200	5025405SM	3	NUT, 3/4-16 HEX
0220	5104716YP	1	PULLEY, IDLER
0240	5025017X22SM	1	BOLT, 1/2-13 X 2-3/4"
0250	5101103SM	2	SHIELD, PULLEY
0260	5415907AYP	1	IDLER, Arm
0270	5023497SM	1	EYE BOLT, 3/8-16 X 5"
0280	5025394SM	2	NUT, 3/8-16 HEX NYLOCK
0290	5025128SM	1	NUT, 3/8-16 HEX SERRA
0310	5104379YP	2	SPACER
0320	5104383YP	2	BEARING
0330	5044960SM	1	SPACER, .39 X 1.00 X
0340	5104456YP	1	SPACER, .51 X .84 X 1
0350	5044933SM	1	SPACER, .39 X .75 X .
0360	5025165SM	1	WASHER, 3/8" FENDER
0410	5025013X12SM	1	BOLT, 3/8-16 X 1-1/2"
0420	5104166YP	1	SPRING
0430	5105145YP	1	SHIELD
0440	5101162YP	1	SPACER
0450	84003145	1	GUIDE, BELT
0460	84003146	1	GUIDE, BELT
0470	5025010X8SM	2	BOLT, 1/4-20 X 1", GD
0490	703463	2	NUT, GR5, 1/4-20
0500	5025324X10YP	1	BOLT
0510	5025396SM	4	NUT, Hex Flange, 1/2-13
0530	5044913SM	1	WASHER, .53 X 1.50 X
0540	703332	2	WASHER

Decal Group - Brand and Model

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



0040 **CONTENDER XT**

0010 *Simplicity*

0020 **Simplicity**

0030 **52"**
132cm

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Decal Group - Brand and Model

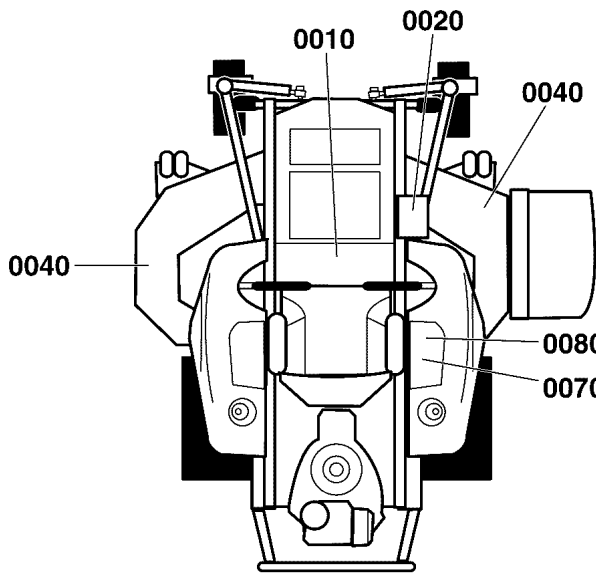
REF NO	PART NO	QTY	DESCRIPTION
0010	1757674YP	2	DECAL, Simplicity
0020	1757673YP	2	DECAL, SMI LOGO 10.47
0030	1755721YP	1	DECAL, 52"/132cm
0040	84002272	1	DECAL

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Decal Group - Safety and Operation

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WARNING

Avoid serious injury or death

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

Fire Hazard
Gasoline is flammable. Yard debris is combustible.

- Allow engine to cool for at least 5 minutes before refueling.
- Keep unit cleaned of yard debris.
- This equipment may create sparks that can start fires around dry vegetation. A spark arrester may be required. Contact local fire agencies for regulations relating to fire prevention requirements.

DANGER

Rotating blades cut off arms and legs.

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

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

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

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

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

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

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

WARNING

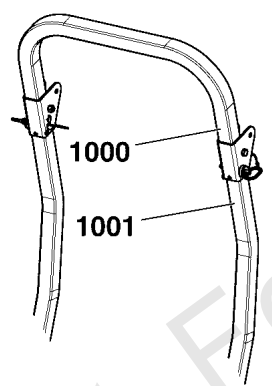
Amputation and Pinch Point Hazard

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

DANGER

Amputation and thrown objects hazard

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



WARNING

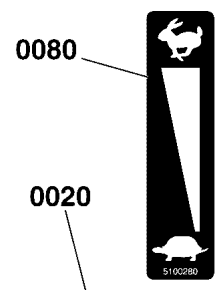
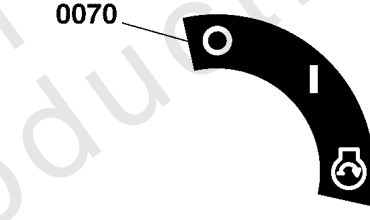
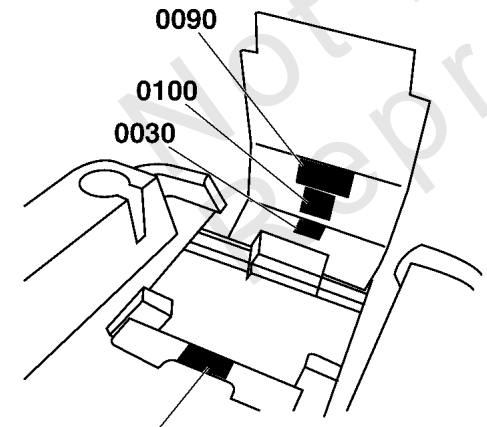
Transaxle Release Lever Location

Ignition System (Gasoline Models)
This spark ignition system complies with Canadian standard ICES-002

WARNING

Avoid serious injury or death from rollover.

Do not operate without the rollbar installed and operational.



HYDRAULIC OIL RESERVOIR

USE SAE 20W-50 MOTOR OIL

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.

Read and follow all operating instructions and warnings in the operator's manual. Keep roll bar in position and use seat belt. Never remove roll bar.

WARNING

Avoid serious injury or death from roll over:

Do NOT jump off if mower tips.

Read and follow all operating instructions and warnings in the operator's manual. Keep roll bar in position and use seat belt. Never remove roll bar.

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.

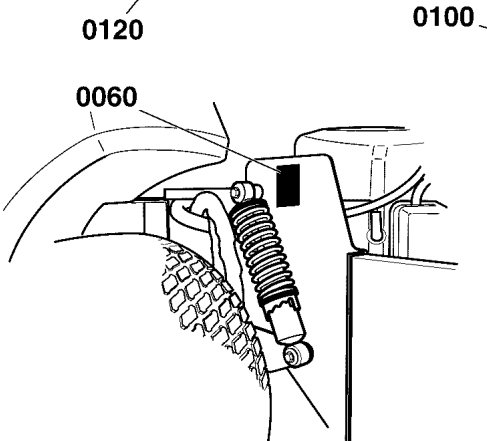
DO NOT exceed the machine weight rating of the roll bar.

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.

Belts & Blades	
Tractor	
Pump Drive Belt (48" & 52" Models)	5103885
(61" Models)	5103653
48" Mower	
Deck Drive Belt	5103929
Mower Blade	5101986S
52" Mower	
Deck Drive Belt	5103868
Mower Blade	5101756S
61" Mower	
Deck Drive Belt	5103871
Mower Blade	5101755S



Decal Group - Safety and Operation

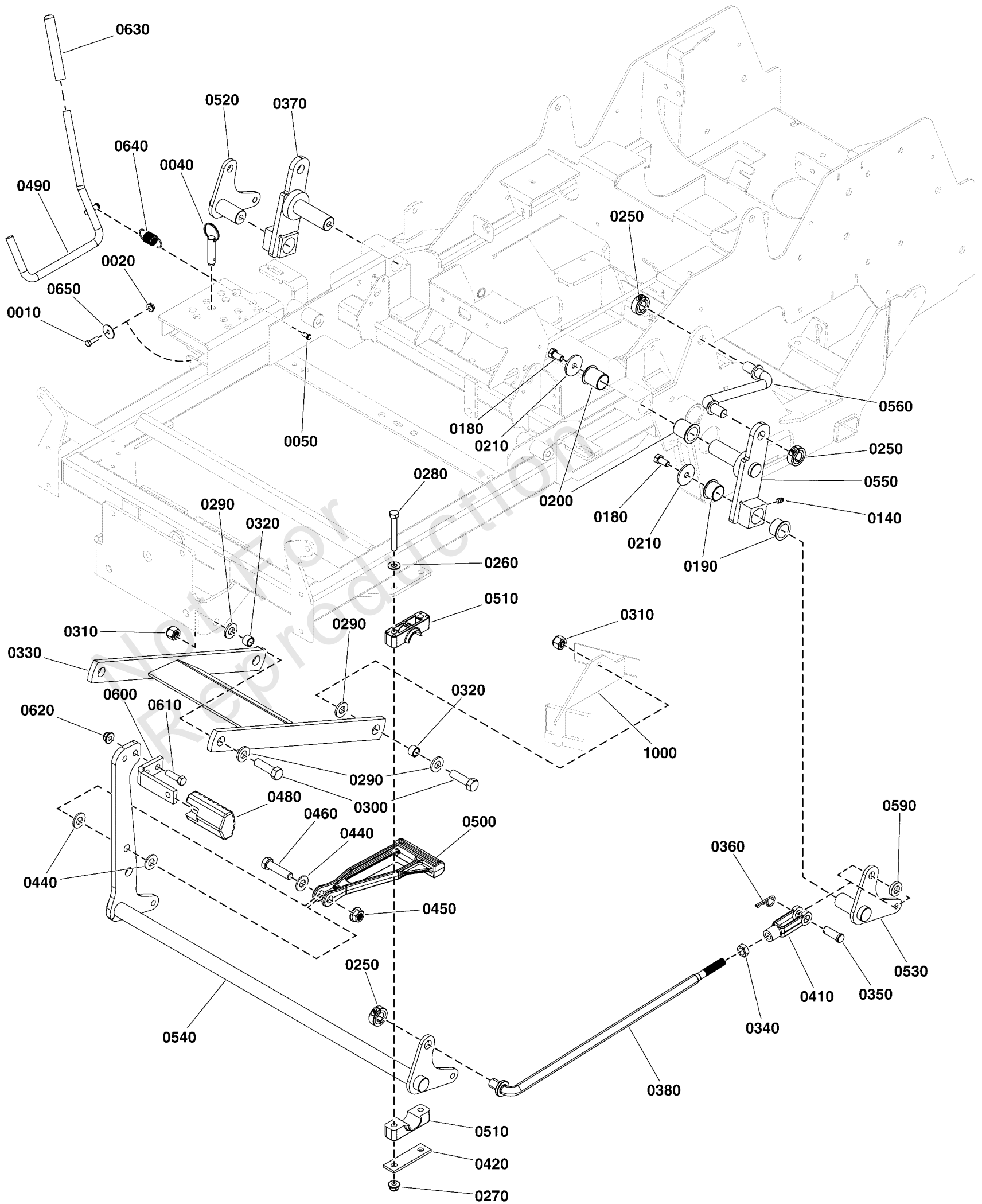
REF NO	PART NO	QTY	DESCRIPTION
0010	84006556	1	DECAL, Main, Safety, ZT
0020	5103785YP	1	DECAL, CUT HEIGHT, 600
0030	5100957SM	1	DECAL, HYDRAULIC OIL, SAE 20W50
0040	7101665YP	2	DECAL, DANGER
0060	5100683SM	2	DECAL, WARNING
0070	5048970SM	1	DECAL, Ignition Switch
0080	5100280SM	1	DECAL, THROTTLE CONTR
0090	5103725YP	1	DECAL, TRANS RELEASE
0100	84003147	1	DECAL, Belt & Blade
0120	5103184YP	1	DECAL, WARNING, ENG
1000	5100935YP	1	DECAL, WARNING & CAUTION, ROPS
1001	5100405YP	1	DECAL, WARNING, Overhead Obstacles

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Deck Lift Group

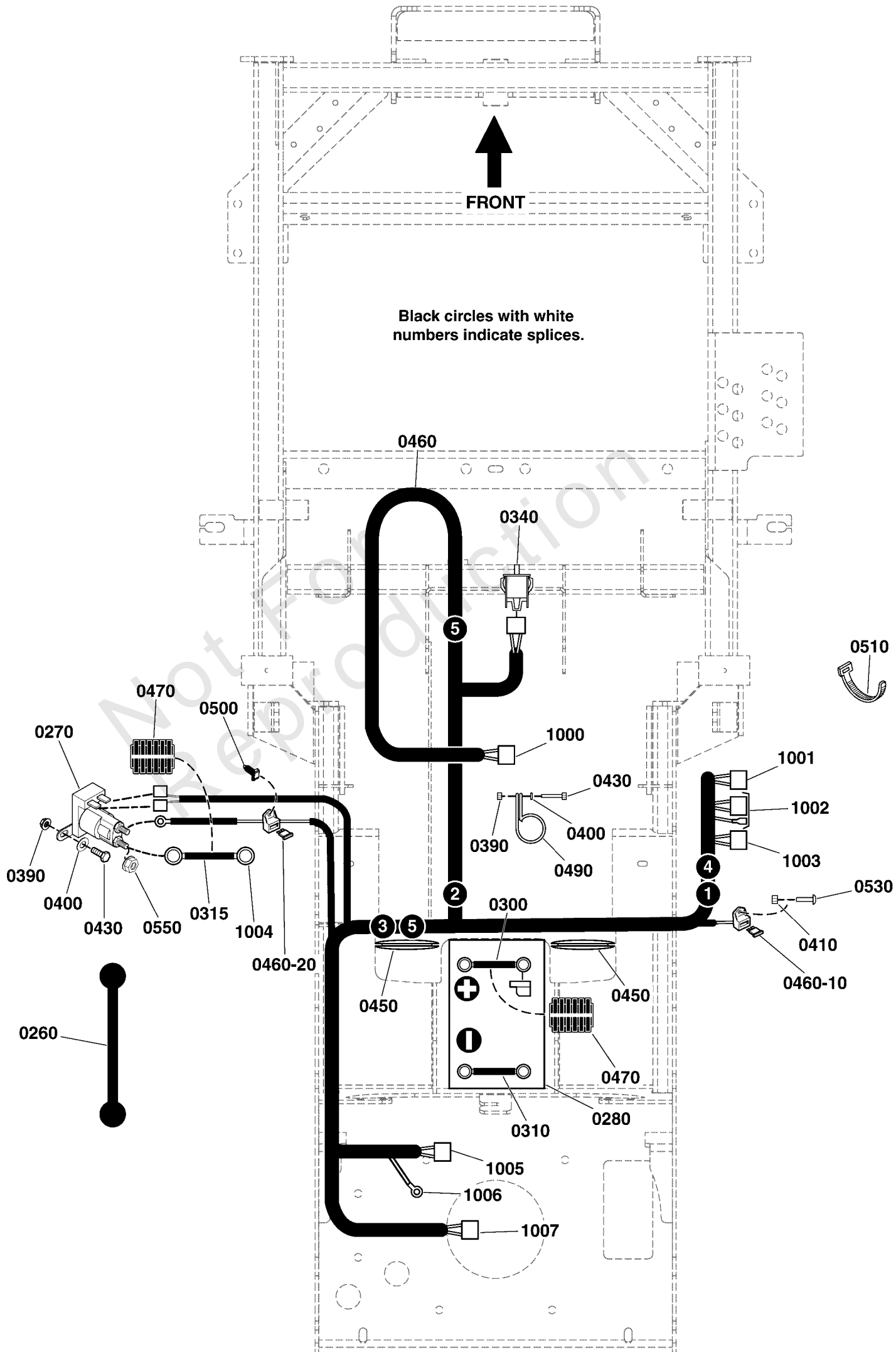
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Deck Lift Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703338	2	BOLT,1/4-20X5/8
0020	703233	2	NUT, 1/4-20, GR5
0040	5023498SM	1	PIN, HITCH, 1/2 X 2.0
0050	5025212X4SM	1	PIN, CLEVIS, 1/4 X 1/
0140	5020095SM	2	GREASE FITTING, 1/4-2
0180	5025443SM	4	BOLT - 3/8-16 X 3/4
0190	5023356SM	4	BUSHING, 1.00X1.13X.7
0200	5023343SM	4	BUSHING, 1.00 X 1.13
0210	5100548SM	4	WASHER - .39X1.50
0250	5020441SM	6	COLLAR, 5/8" SPLIT
0260	703590	4	WASHER, FLAT, .406
0270	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0280	5025013X22SM	4	BOLT, 3/8-16 X 2-3/4"
0290	5025440SM	8	WASHER, 1/2" YELLOW
0300	5025018X14YP	4	BOLT, 1/2-20 X 1-3/4 GD8 CZ
0310	5025098SM	4	NUT, 1/2-20 HEX NYLON
0320	5020870SM	4	INSERT, BEARING
0330	5409736AYP	1	PULLER BAR
0340	5025089SM	2	NUT, 1/2-20 HEX JAM
0350	5025479YP	2	CLEVIS PIN, 1/2 X 1.3
0360	5025210YP	2	PIN, HAIR, .0915 X 1-7/8
0370	5402534AYP	1	REAR LIFT, RH
0380	5101218YP	2	ROD, DECK LIFT
0410	5023174SM	2	CLEVIS, 1/2-20, STEEL
0420	5403925AYP	2	PLATE, Pivot
0440	5025158SM	3	WASHER, 1/2" SAE
0450	5025396SM	1	NUT, Hex Flange, 1/2-13
0460	5025017X16YP	1	BOLT, 1/2-13 X 2 GD5
0480	5104262YP	1	PEDAL, RUBBER
0490	5410317AYP	1	WELD, Rod, Deck Lift - BLK
0500	5104133YP	1	ARM-LINK
0510	5100634SM	4	PIVOT BLOCK, PLASTIC
0520	5409734AYP	1	WELD, HANGER, REAR, RH - BLK
0530	5409733AYP	1	WELD, HANGER, REAR, LH - BLK
0540	84003824	1	SHAFT
0550	5402533AYP	1	REAR LIFT, LH
0560	5103620YP	2	ROD, SUSPENSION LINK
0590	5100520SM	2	SPACER .515X1.00X.218
0600	5061569AYP	1	PEDAL, FOOT
0610	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4"
0620	5025394SM	2	NUT, 3/8-16 HEX NYLOCK
0630	5021880SM	1	GRIP, FOAM
0640	5010213YP	1	SPRING-EXT, .740 ODX2
0650	5025288YP	2	WASHER, 1/4 FENDER
1000	-----	1	Refer to: Housing, Covers, Spindles & Blades Group



Electrical Group

REF NO	PART NO	QTY	DESCRIPTION
0260	1722009SM	1	STRAP, Rubber, 13"
0270	1755382YP	1	SOLENOID
0280	-----	1	BATTERY, 11U1L, 350 CCA -(Refer to Note: *)
0300	5021405SM	1	BATTERY CABLE, POSITI
0310	5047690SM	1	BATTERY CABLE
0315	5023488SM	1	BATTERY CABLE
0340	7022886YP	1	SWITCH, DP NO/NC SNAP
0390	703233	4	NUT, 1/4-20, GR5
0400	703332	4	WASHER
0410	5025271YP	4	NUT, #10-24 HEX NYLON LOCK
0430	5025010X6SM	4	BOLT, 1/4-20 X 3/4" G
0450	5100716YP	2	GROMMET, 2" ID
0460	5105536YP	1	HARNESS-WIRING
0460-10	5101935YP	1	FUSE, ATO 15 AMP
0460-20	5021603SM	1	FUSE, ATO, 20 AMP
0470	5050927X18YP	2	WIRE LOOM, 3/8 ID X 18 IN
0490	5021500SM	3	CLAMP, VINYL INSULATED, 1.00
0500	5103761YP	1	FIR TREE MOUNT
0510	5021030SM	3	TIE WRAP, 5-1/2" LONG
0530	5025179X4YP	4	SCREW- #10-24 X 1/2 ROUND PHILLIPS
0550	703061	2	NUT, HEX KEPS, 1/4-20
1000	-----	1	Connects to Seat Switch
1001	-----	1	Connects to PTO Switch
1002	-----	1	Connects to Ignition Switch
1003	-----	1	Connects to Hour Meter
1004	-----	1	Connects to Engine Starter
1005	-----	1	Connects to Engine
1006	-----	1	Connects to Ground
1007	-----	1	Connects to PTO Clutch

Footnotes:

Note: * Not for sale. Obtain locally.

Electrical Schematic - Charging Circuit B&S 44T977, 49T877

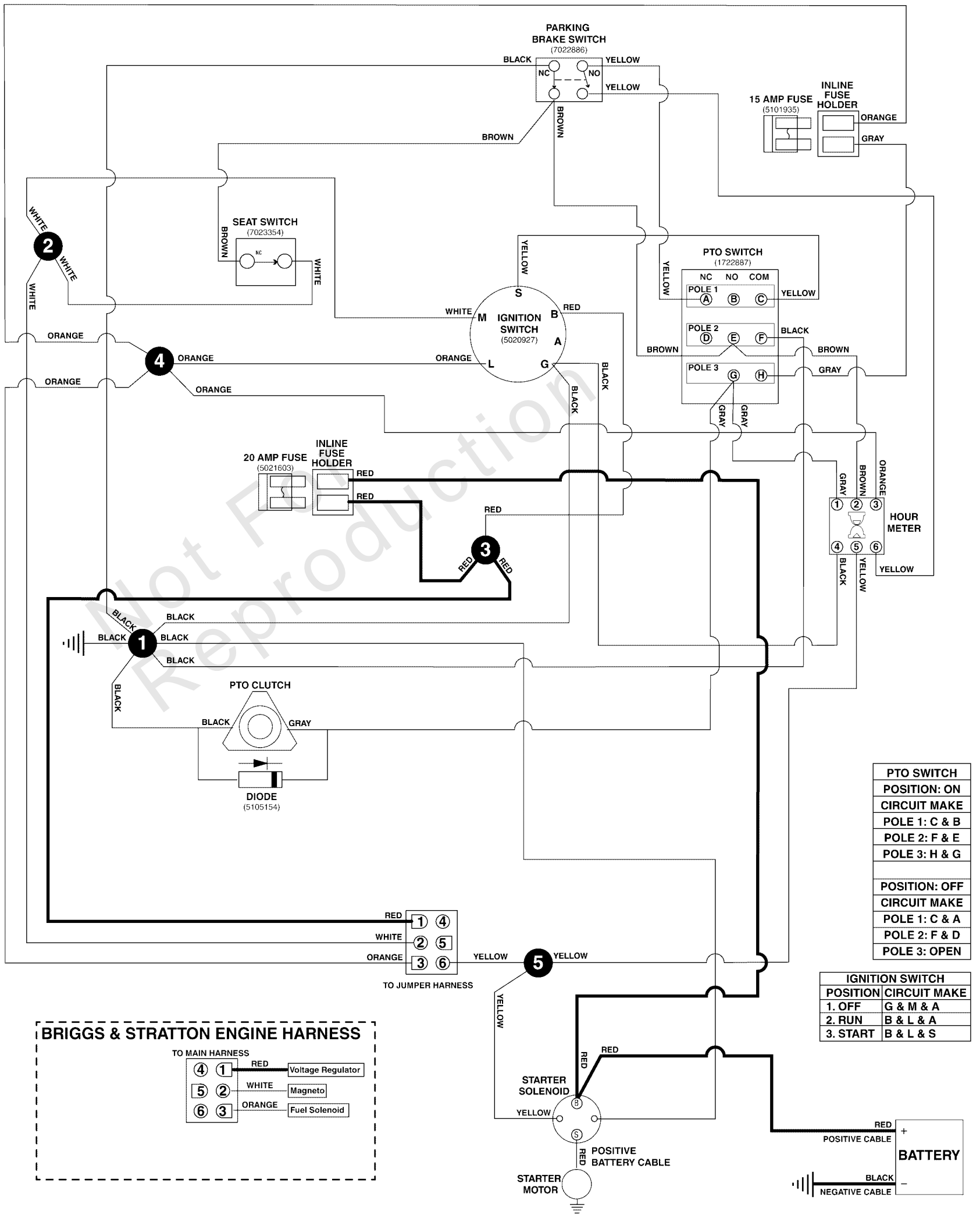
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

5105536 MAIN WIRE HARNESS - BRIGGS & STRATTON 44T977, 49T877 ENGINES

5105536A

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



Electrical Schematic - Charging Circuit B&S 44T977, 49T877

REF NO	PART NO	QTY	DESCRIPTION
5105536	5105536YP	1	HARNESS-WIRING

Not For Reproduction

Electrical Schematic - Cranking Circuit B&S 44T977, 49T877

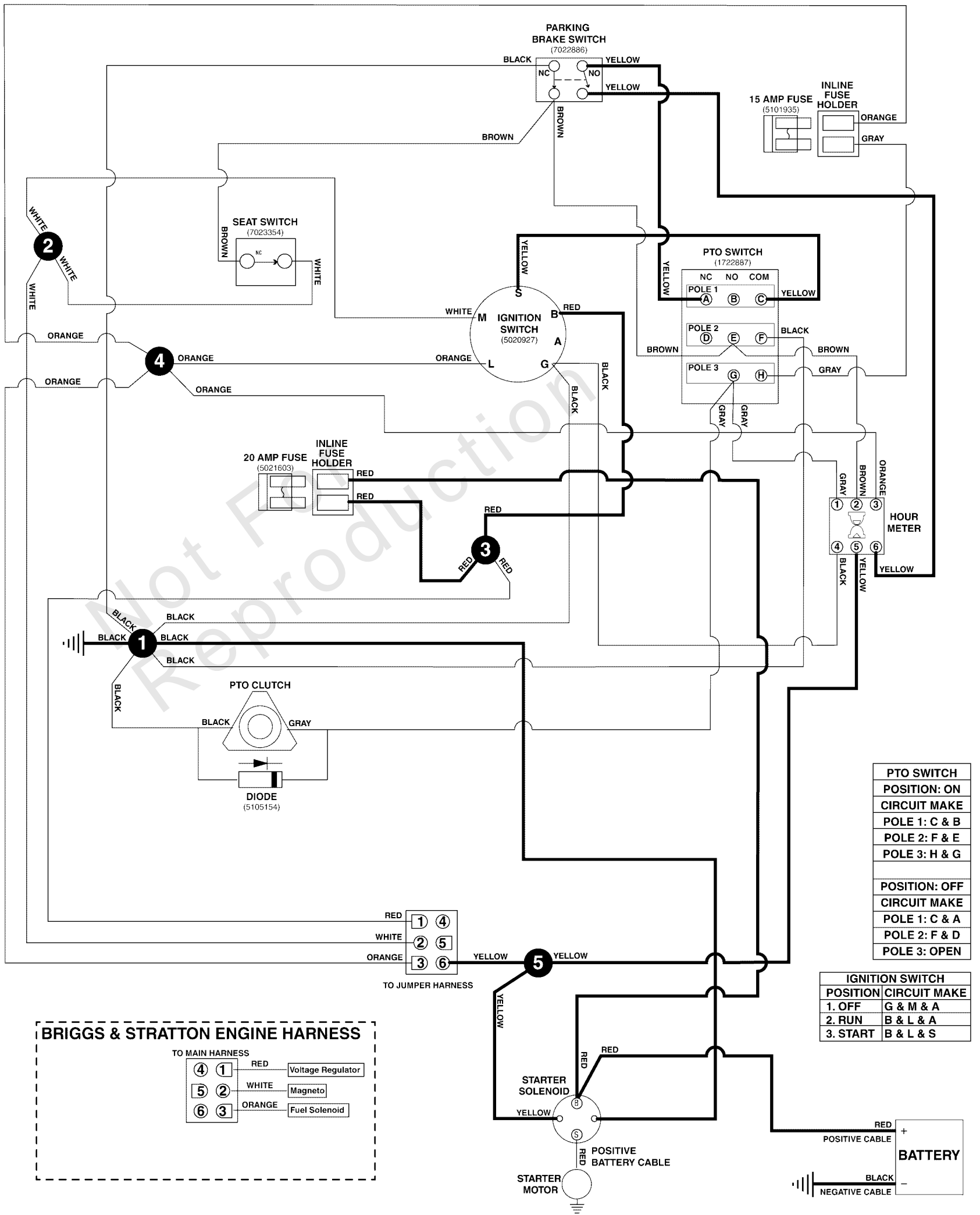
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Mfg. No: 5901743

5105536 MAIN WIRE HARNESS - BRIGGS & STRATTON 44T977, 49T877 ENGINES

5105536A

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



Electrical Schematic - Cranking Circuit B&S 44T977, 49T877

REF NO	PART NO	QTY	DESCRIPTION
5105536	5105536YP	1	HARNESS-WIRING

Not For Reproduction

Electrical Schematic - Ign. Grounding Circuit/Op. Pres. B&S 44T977, 49T877

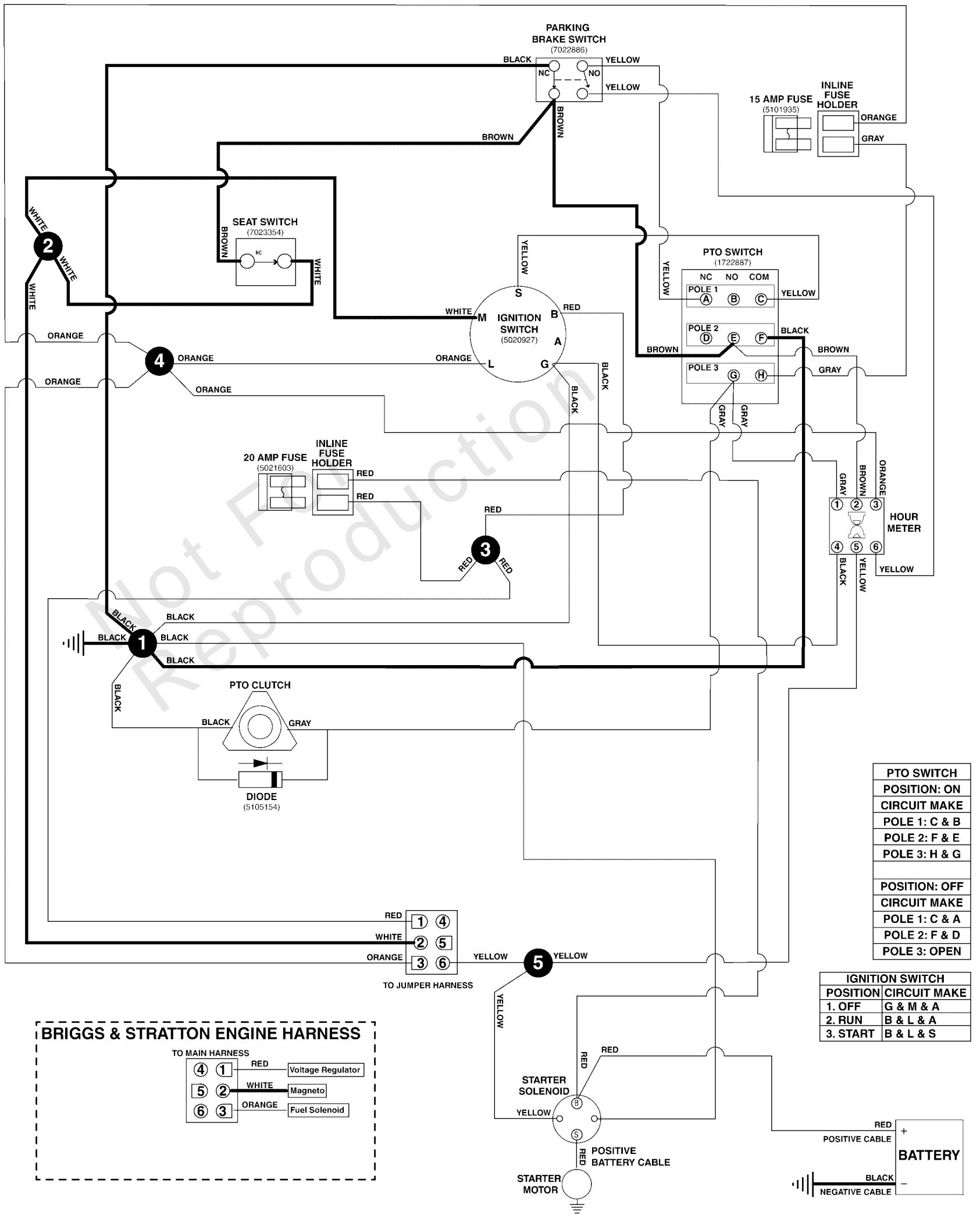
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

5105536 MAIN WIRE HARNESS - BRIGGS & STRATTON 44T977, 49T877 ENGINES

5105536A

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



Electrical Schematic - Ign. Grounding Circuit/Op. Pres. B&S 44T977, 49T877

REF NO	PART NO	QTY	DESCRIPTION
5105536	5105536YP	1	HARNESS-WIRING

Not For Reproduction

Electrical Schematic - PTO Clutch Circuit B&S 44T977, 49T877

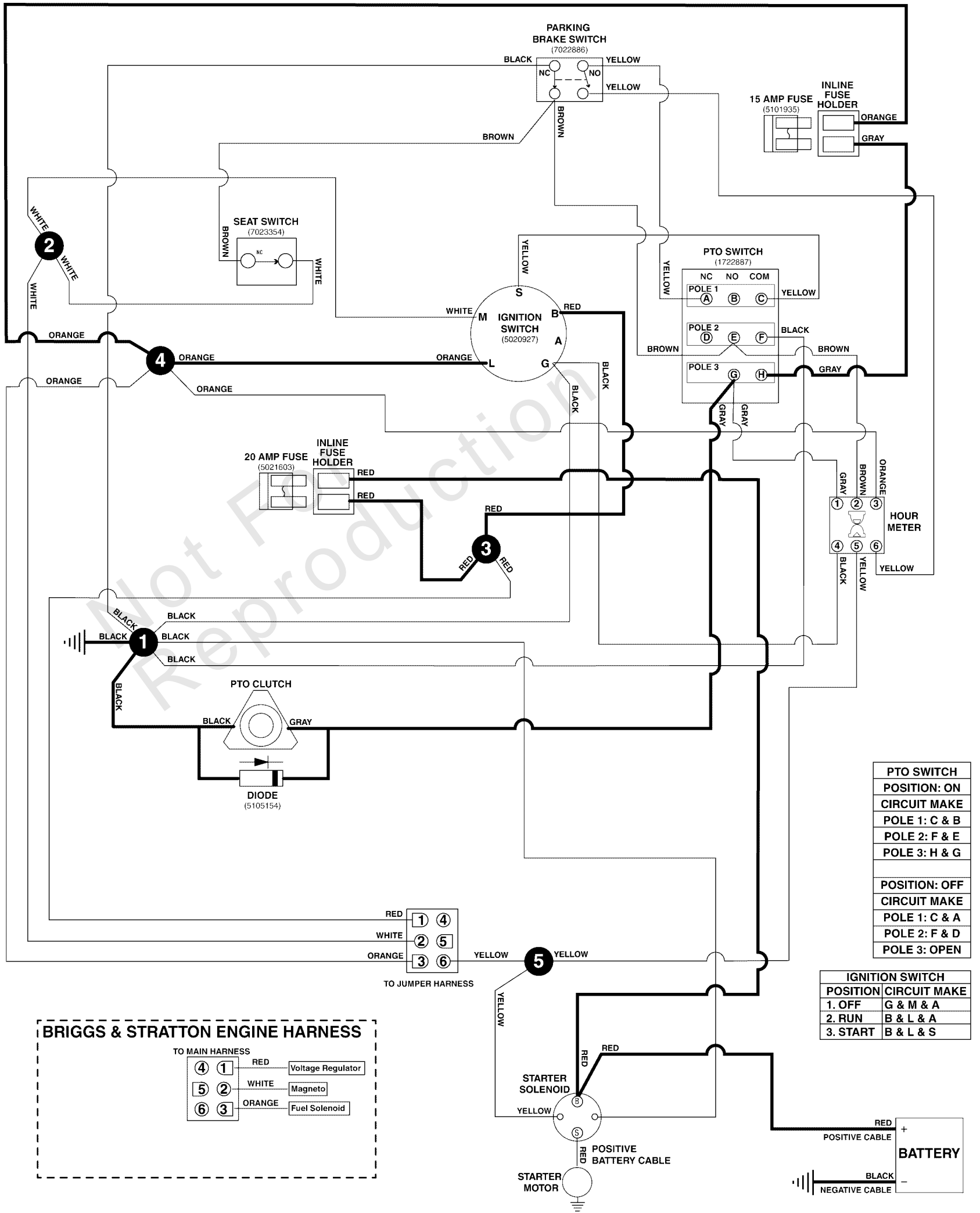
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

5105536 MAIN WIRE HARNESS - BRIGGS & STRATTON 44T977, 49T877 ENGINES

5105536A

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



Electrical Schematic - PTO Clutch Circuit B&S 44T977, 49T877

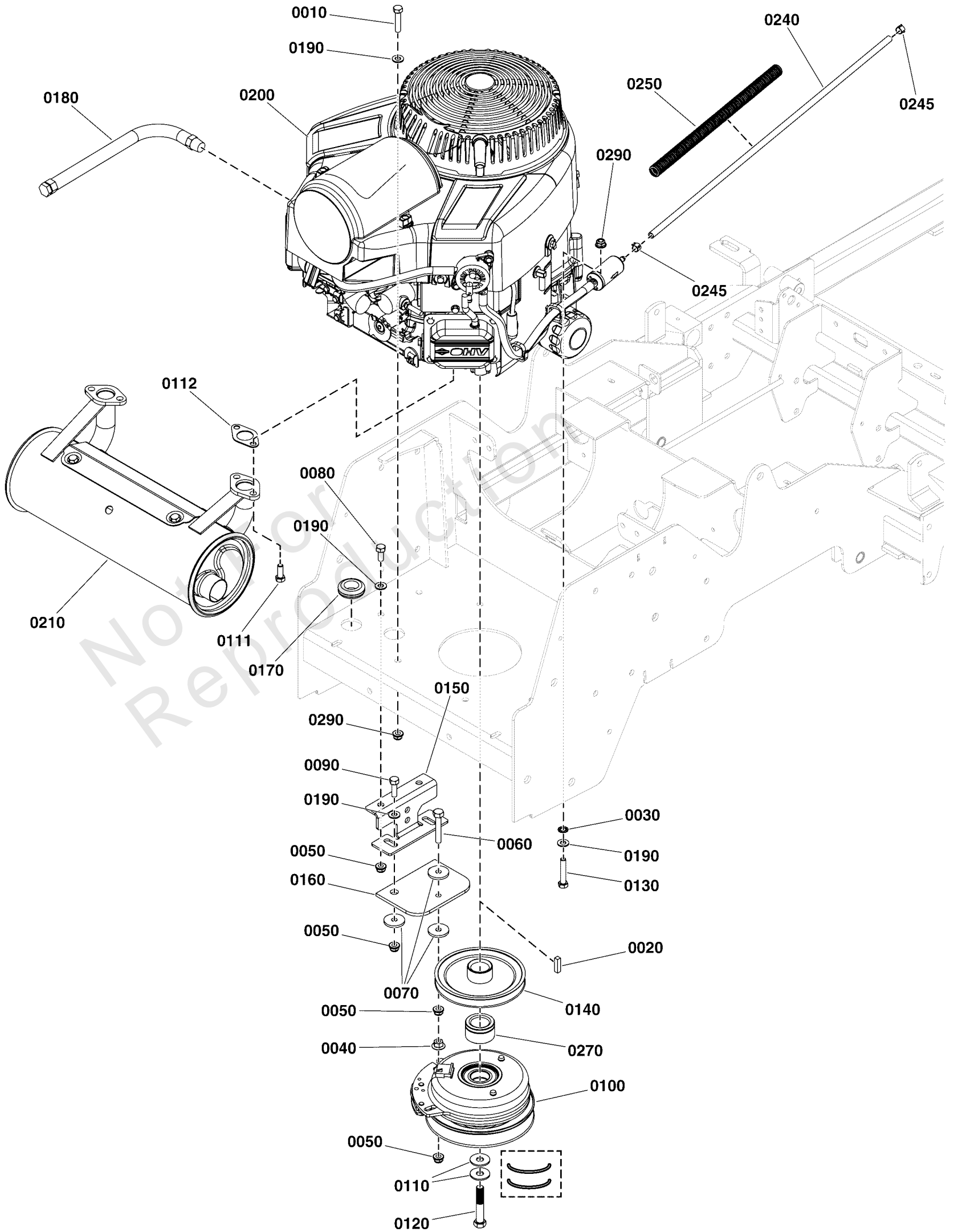
REF NO	PART NO	QTY	DESCRIPTION
5105536	5105536YP	1	HARNESS-WIRING

Not For Reproduction

Engine and PTO Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Engine and PTO Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5025025X12YP	2	BOLT
0020	5050407X8SM	1	KEY, 1/4" SQ. X 1.00
0030	5025188SM	2	WASHER, 5/16" INT. TO
0040	5025139SM	1	NUT, 5/16-18 HEX SERR
0050	703115	6	NUT
0060	5025055X16SM	1	BOLT, 5/16-18X2
0070	5044617SM	4	WASHER, .34 X 1.25 X
0080	5025011X6SM	2	BOLT, 5/16-18 X 3/4"
0090	703570	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0100	5105087YP	1	CLUTCH
0110	5025585YP	2	BELLEVILLE WASHER
0111	690341	4	SCREW
0112	690970	2	GASKET, Exhaust
0120	5102864YP	1	BOLT, CRANKSHAFT -(Torque clutch mounting bolt to 65 ft-lbs (88 Nm))
0130	5025025X14YP	2	BOLT -(Torque engine mounting bolts to 17 ft-lbs (23 Nm))
0140	5103558YP	1	PULLEY,CRANKSHAFT
0150	5410367AYP	1	ANCHOR, CLUTCH
0160	5043636SM	1	CLUTCH ANCHOR PAD
0170	5021379SM	1	GROMMET, 7/8
0180	5048681SM	1	HOSE, OIL DRAIN
0190	703302	8	WASHER, 5/16
0200	44T977-0005-G1	1	* ENGINE, 25HP B&S COMM TURF, 1-1/8 X 4.29 -(Refer to Note: *)
0210	706900	1	MUFFLER, RIGHT OUTLET
0240	5050831X25SM	1	HOSE 1/4 FUEL - 25
0245	691038	2	CLAMP, Hose
0250	5050833X13YP	1	WIRE LOOM, 1/2ID, 13
0270	5047033SM	1	SPACER, 1.13 X 1.75 X
0290	5025616YP	4	NUT

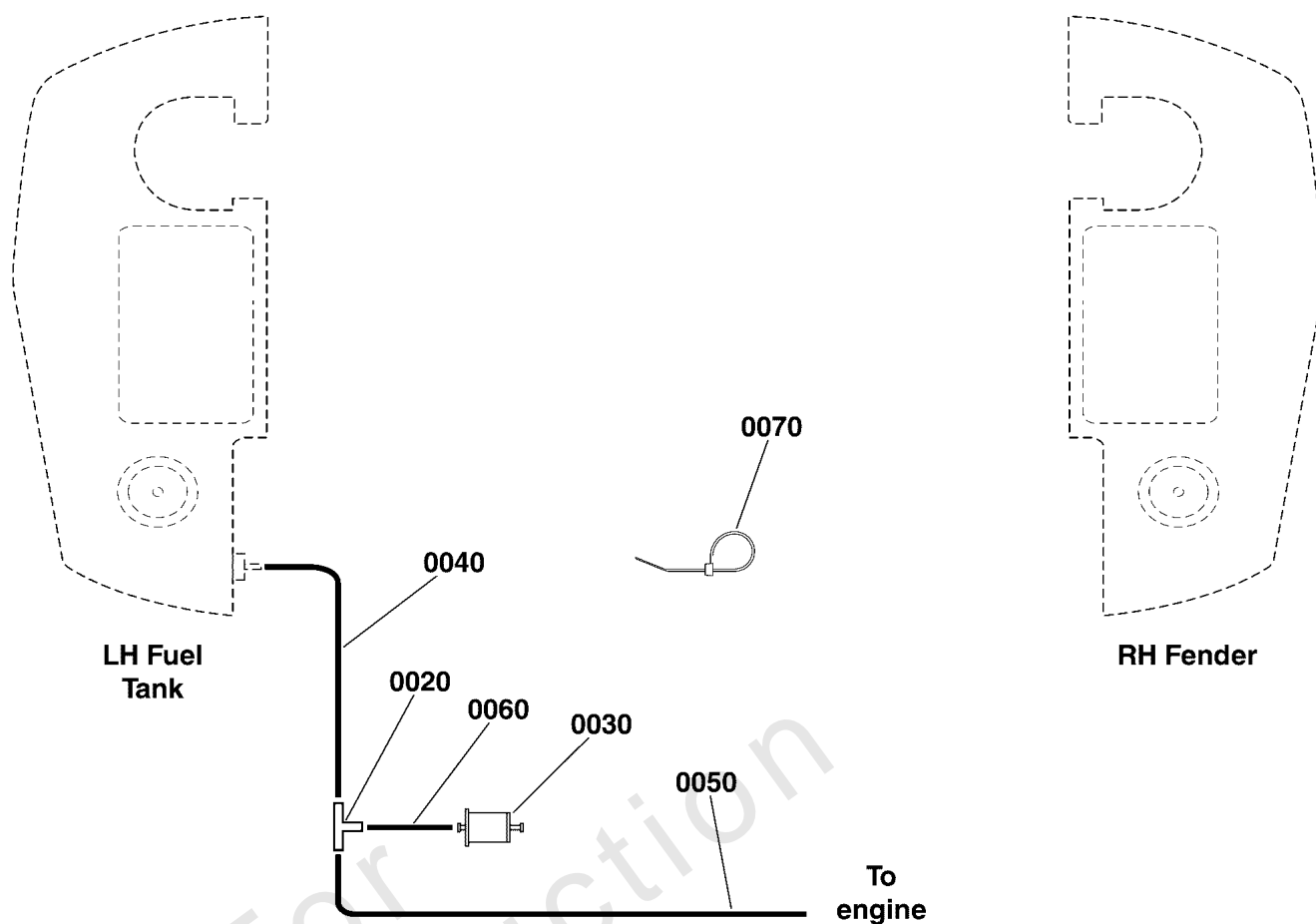
Footnotes:

Note: *If engine service parts are not listed see authorized engine service dealer for replacement parts.

Evap Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Evap Group

REF NO	PART NO	QTY	DESCRIPTION
0020	5103062YP	1	FITTING, 3/16" TEE, B
0030	84001895	1	FILTER, Fuel
0040	7700552X32YP	1	HOSE, VAPOR -(Tank to T fitting)(Refer to Note: *)
0050	7700552X12YP	1	HOSE, VAPOR,5MM ID,12 -(T fitting to engine)
0060	7700552X2YP	1	HOSE, VAPOR -(T fitting to filter)
0070	5021030SM	2	TIE WRAP, 5-1/2" LONG

Not For
Reproduction

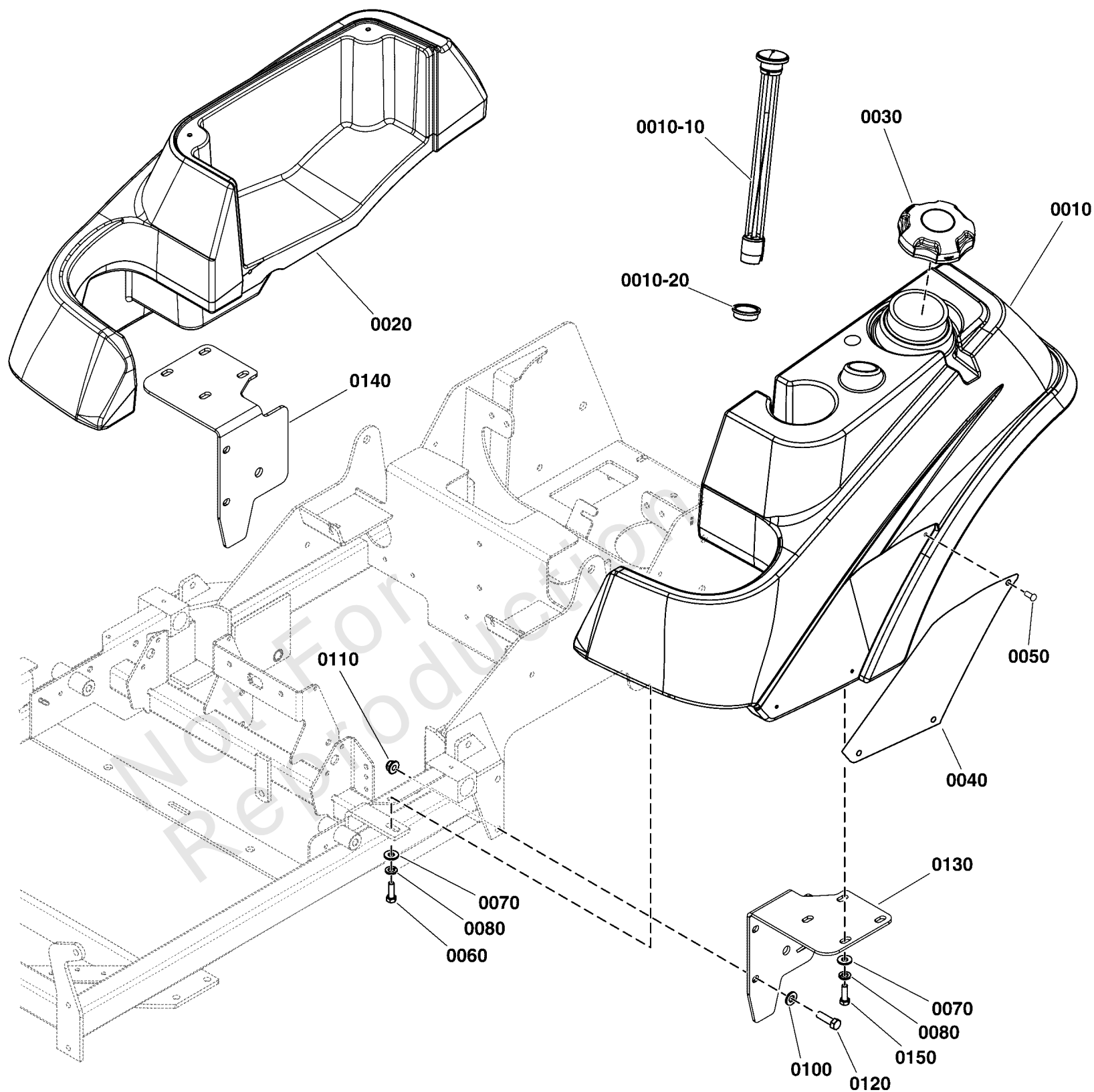
Footnotes:

Note: * Cut to length.

Fuel Tank & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



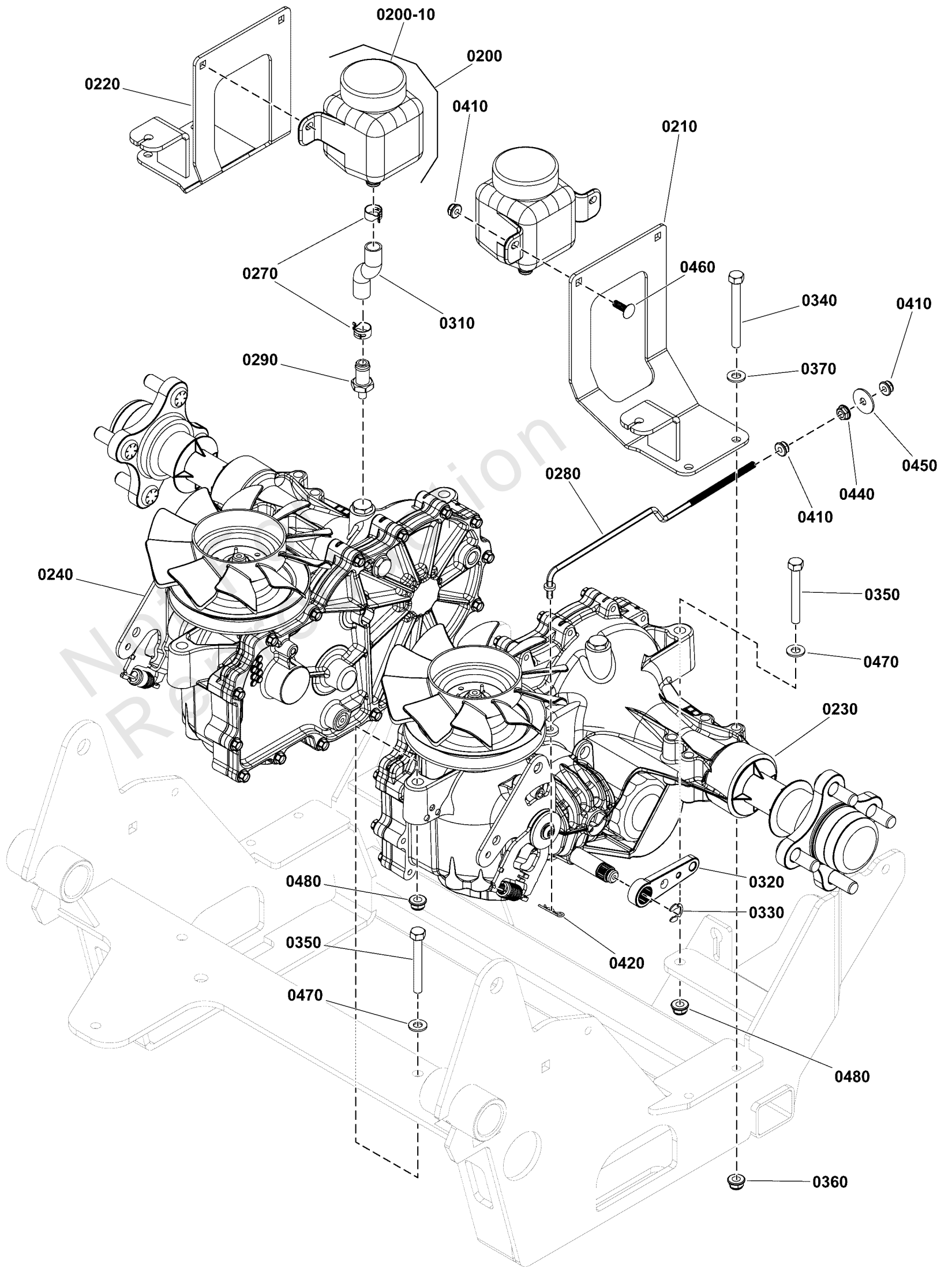
Fuel Tank & Mount Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5103176YP	1	TANK, FUEL, LH
0010-10	5022917SM	1	GAUGE, FUEL, 12 -(SV)
0010-20	5022917X1SM	1	GROMMET, FUEL GAUGE -(SV)
0020	5049948SM	1	TANK, FUEL, 1500Z - R
0030	84005958	1	CAP, FUEL TANK
0040	5400250CSM	2	BADGE, CITATION, ORANGE
0050	5025386SM	6	SCREW, #10-24 X 3/8"
0060	703570	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0070	5025292SM	10	WASHER, 5/16" GD.9 FL
0080	5025170SM	10	WASHER, 5/16" LOCK
0100	5025293SM	4	WASHER, 3/8"
0110	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0120	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4"
0130	84003144	1	MOUNT, TANK -(Left)
0140	84003143	1	MOUNT, TANK -(Right)
0150	5025011X6SM	8	BOLT, 5/16-18 X 3/4"

Hydraulic Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



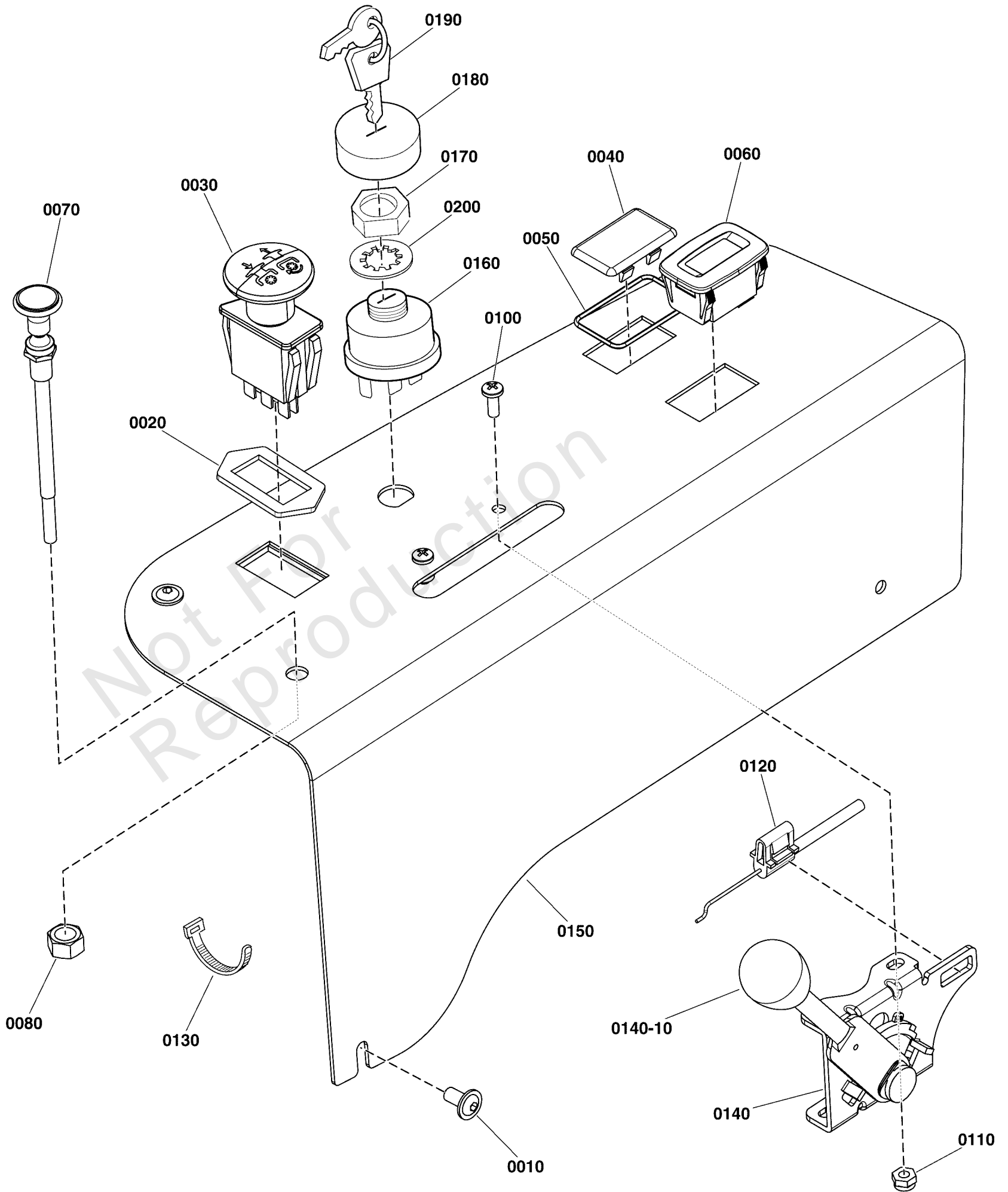
Hydraulic Group

REF NO	PART NO	QTY	DESCRIPTION
0200	5100473SM	2	RESERVOIR
0200-10	5100778X1YP	2	RESERVIOR CAP (SV)
0210	5409905AYP	1	MOUNT, TANK, HYD, LH
0220	5409909AYP	1	MOUNT, TANK, HYD, RH
0230	5105085YP	1	TRANSAXLE -(S/N: 40015467047 and below)
0230	84006574	1	TRANSAXLE -(S/N: 40015467048 and above)
0240	5105086YP	1	TRANSAXLE, ZT3200, RH, ZJ-GYEF8T7B-1GRX -(S/N: 40015467047 and below)
0240	84006573	1	TRANSAXLE -(S/N: 40015467048 and above)
0270	5023268SM	4	CLAMP, HOSE
0280	5103631YP	2	ROD, DUMP VALVE
0290	5103687YP	2	FITTING
0310	5103774X2P5YP	2	TUBING, TYGON, .50 ID
0320	5103750YP	2	BRAKE ARM, ZT-3400
0330	5104055YP	2	E-CLIP
0340	5025011X24SM	4	BOLT, 5/16-18
0350	703873	4	CAPSCREW, 3/8-16X2.5
0360	703115	8	NUT
0370	703350	8	WASHER
0410	703233	8	NUT, 1/4-20, GR5
0420	5025211SM	2	PIN, HAIR, .0585" X 1
0440	703463	2	NUT, GR5, 1/4-20
0450	5025288YP	2	WASHER, 1/4 FENDER
0460	703575	4	BOLT, 1/4-20X.750, SQ
0470	703590	4	WASHER, FLAT, .406
0480	703158	4	NUT, Hex Flange, 3/8-16

Instrument Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



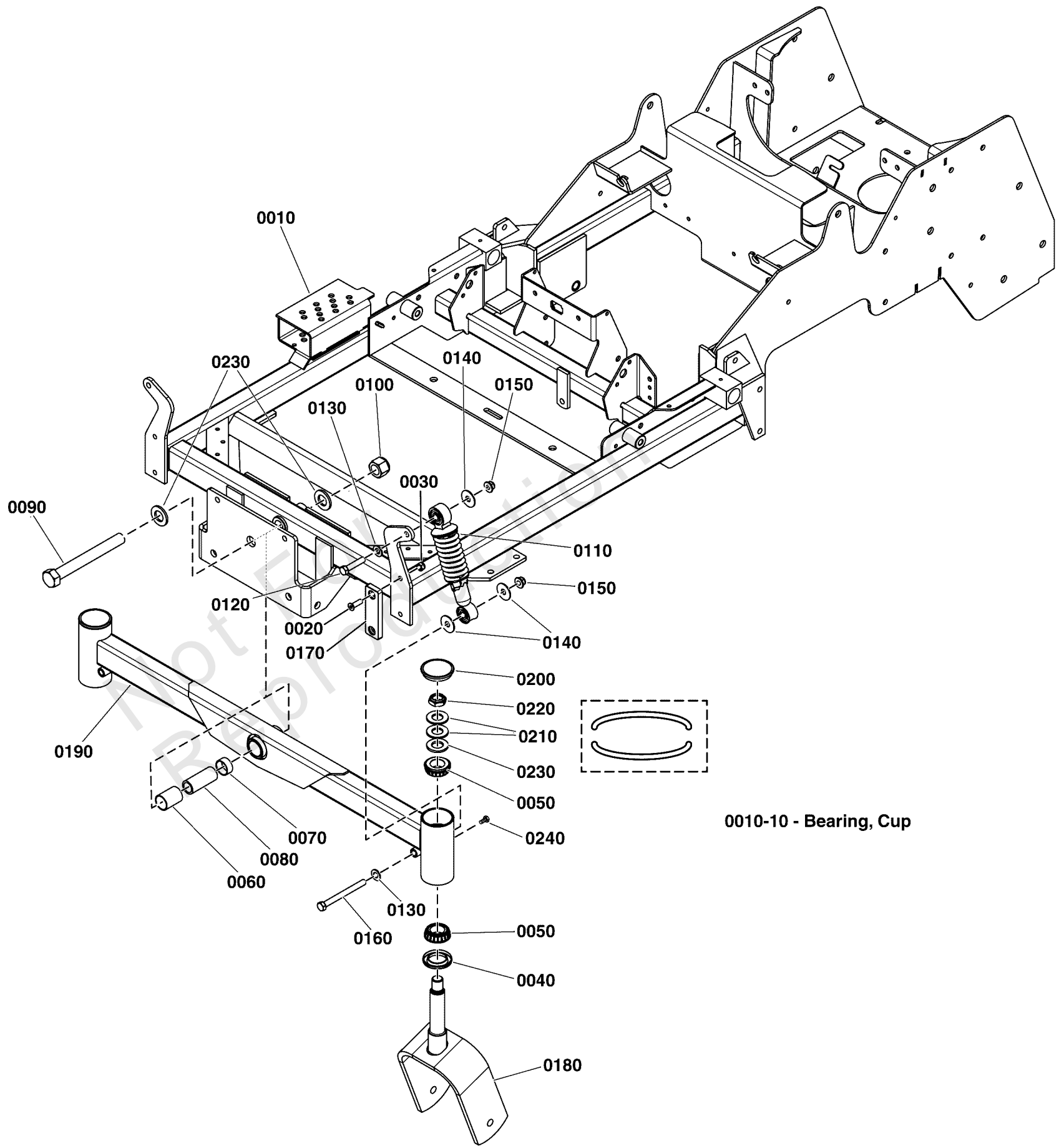
Instrument Control Panel Group

REF NO	PART NO	QTY	DESCRIPTION
0010	84002228	3	SCREW, FLANGE
0020	5022222SM	1	RING, SWITCH RETAINER
0030	1722887SM	1	SWITCH-PTO PUSH
0040	1709188SM	1	PLUG, BLACK PLASTIC
0050	5022269SM	1	O-RING, 7/8" ID X 1/1
0060	84008510	1	HOURMETER
0070	5047779SM	1	CABLE, CHOKE CTRL
0080	5025309SM	1	NUT, 3/8-24 HEX JAM
0100	5025179X6SM	2	SCREW - #10-24
0110	703412	2	NUT, NYLOCK, 10-24
0120	5101073SM	1	CABLE, THROTTLE, 42
0130	5021030SM	2	TIE WRAP, 5-1/2" LONG
0140	5101537SM	1	LEVER, THROTTLE CONTR
0140-10	5046360X1SM	1	KNOB, THROTTLE CONTRO -(SV)
0150	5410303AYP	1	PLATE, CONTROL PANEL
0160	1737853YP	1	SWITCH ASSEMBLY, Ignition Indak No Keys/Hdwr
0170	1717549SM	1	NUT, Hex Flange, 5/8-32 IGN SW DIE CAST
0180	1717550SM	1	COVER, Ignition Switch
0190	1737836YP	1	KEYS, Ignition
0200	1960547SM	1	LOCKWASHER-INTERNAL

Main Frame & Front Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Main Frame & Front Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	WELD, MAIN FRAME, CHAMPION XT - ORG -(Refer to Note: *)
0010-10	5020883SM	1	BEARING CUP -(SV)
0020	5025594YP	4	SCREW, 5/16-18 X 1
0030	703902	4	NUT, HEX, 5/16-18
0040	5021072SM	2	SEAL, GREASE
0050	5020884SM	4	BEARING, TAPERED ROLL
0060	5022852SM	1	PIVOT BEARING, 1.00"
0070	5100358SM	1	PIVOT BEARING
0080	5047489SM	1	SPACER, .75 X 1.00 X
0090	5025265X52SM	1	BOLT, 3/4-16 X 6-1/2"
0100	5025284SM	1	NUT, 3/4-16 HEX NYLON
0110	5023483SM	2	SHOCK, SPRING ASSEMBL
0120	5025013X14SM	2	BOLT, 3/8-16 X 1-3/4"
0130	703590	4	WASHER, FLAT, .406
0140	5025165SM	6	WASHER, 3/8" FENDER
0150	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0160	5025013X32SM	2	BOLT, 3/8-16 X 4" GD5
0170	5102702YP	2	PAD, FRICTION
0180	5402208CSM	2	WELD, CASTER YOKE - ORG. -(S/N: 4000771923 and below)
0180	84003067	2	YOKE, CASTER -(S/N: 4000771924 and above)
0190	84001952	1	WELD, FRONT PIVOT - ORG
0200	5102929YP	2	CAP, LOW PROFILE, STEEL
0210	5025449SM	4	WASHER, BELLEVILLE
0220	5025448SM	2	NUT - 3/4-16 HEX JAM
0230	5025160SM	4	WASHER, 3/4" SAE
0240	5025457SM	2	BOLT - 1/4-28 X 1/2

Footnotes:

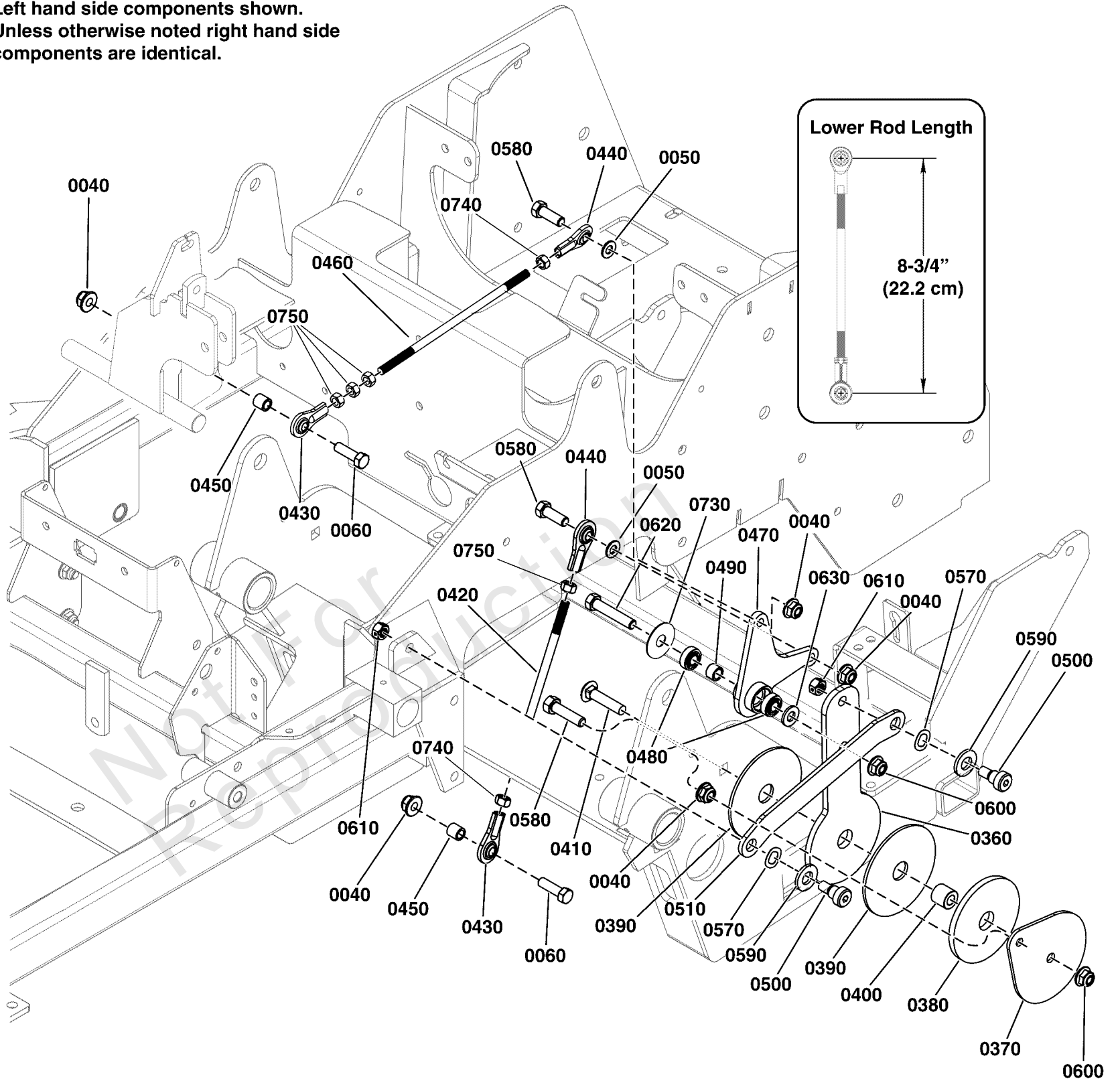
Note: *If replacing contact the Service Department at 1-800-933-6175.

Motion Control Group - Control System

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

Left hand side components shown.
Unless otherwise noted right hand side
components are identical.



Motion Control Group - Control System

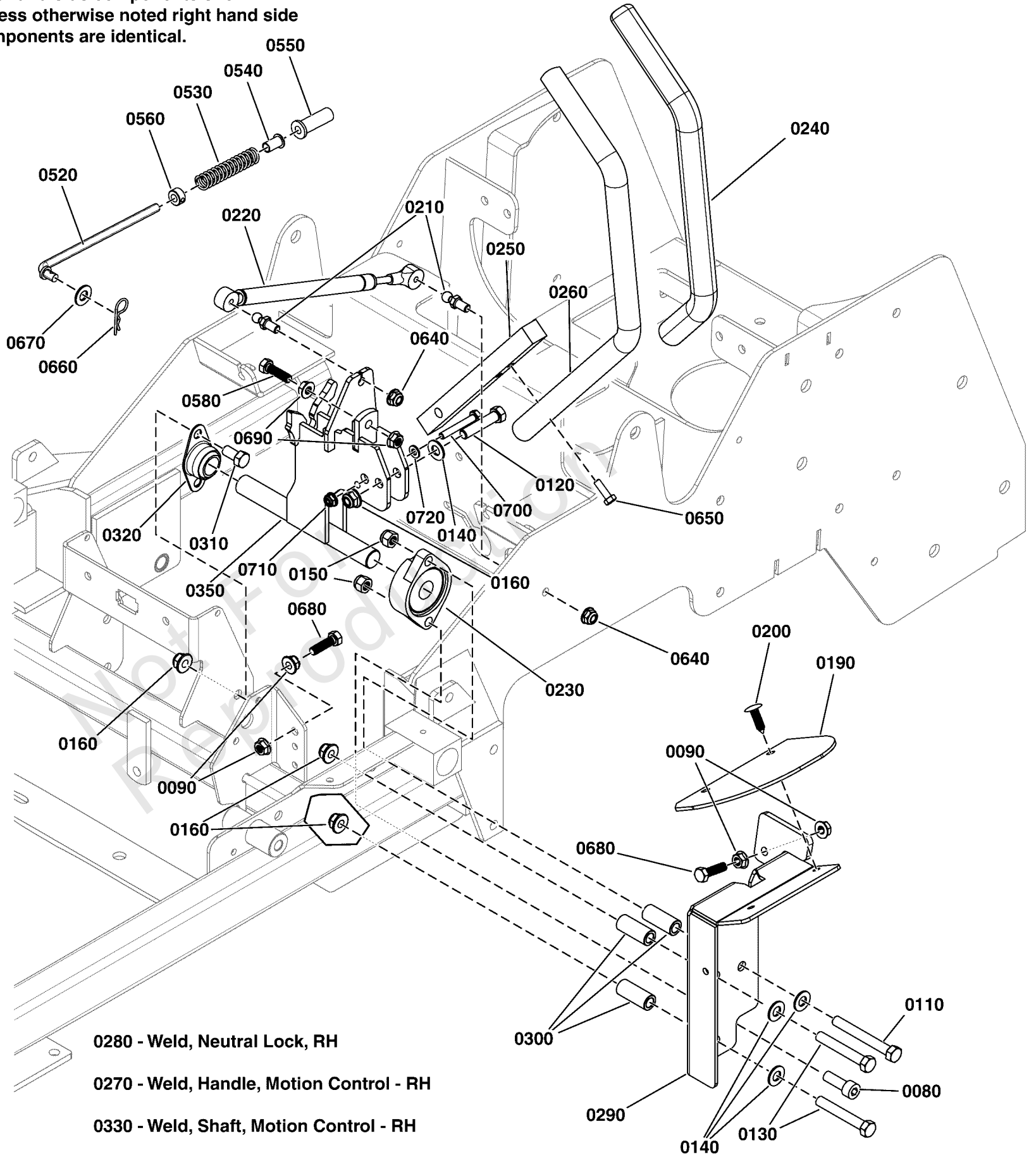
REF NO	PART NO	QTY	DESCRIPTION
0040	703115	10	NUT
0050	703302	4	WASHER, 5/16
0060	5025011X12SM	4	BOLT, 5/16-18 X 1-1/2
0360	5410268YP	2	PLATE, CTRL SYST ARM
0370	5410271AYP	2	PLATE, CTRL SYSTEM LK
0380	5103704YP	2	PAD, .77 X 3.50 X .25
0390	5103672YP	4	PAD, CONTROL SYSTEM
0400	5103705YP	2	SPACER, .39X.75X.69
0410	5025146X12YP	2	BOLT, 3/8-16 X 1-1/2
0420	5103674YP	2	ROD, 5/16X7.00, LH-RH
0430	5104578YP	4	JOINT-BALL
0440	5104579YP	4	BALL JOINT 5/16-24 LH FEMALE STAMPED STL
0450	5102148YP	4	SPACER, .33 X .50X.50
0460	5103673YP	2	ROD, 5/16X8.38, LH-RH
0470	5103718YP	2	PIVOT, CONTROL SYSTEM
0480	5102003YP	4	BEARING, .375ID
0490	5103676YP	2	SPACER, .39X.55X.38
0500	5025356SM	4	BOLT, 3/8-16 X 3/8",
0510	5410270AYP	2	LINK, Control
0570	5103784YP	4	WAVE WASHER
0580	5025055X10YP	6	BOLT, 5/16-18 X 1-1/4
0590	5025440SM	4	WASHER, 1/2" YELLOW
0600	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0610	5025100SM	4	NUT, 3/8-16 HEX SIDE
0620	5025013X16SM	2	CAPSCREW, Hex Head, 3/8-16 x 2
0630	5025293SM	2	WASHER, 3/8"
0730	5025165SM	2	WASHER, 3/8" FENDER
0740	5023212SM	4	NUT, 5/16-24 HEX, LH
0750	703331	8	NUT, 5/16-24

Motion Control Group - Handles & Dampeners

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

Left hand side components shown.
Unless otherwise noted right hand side components are identical.



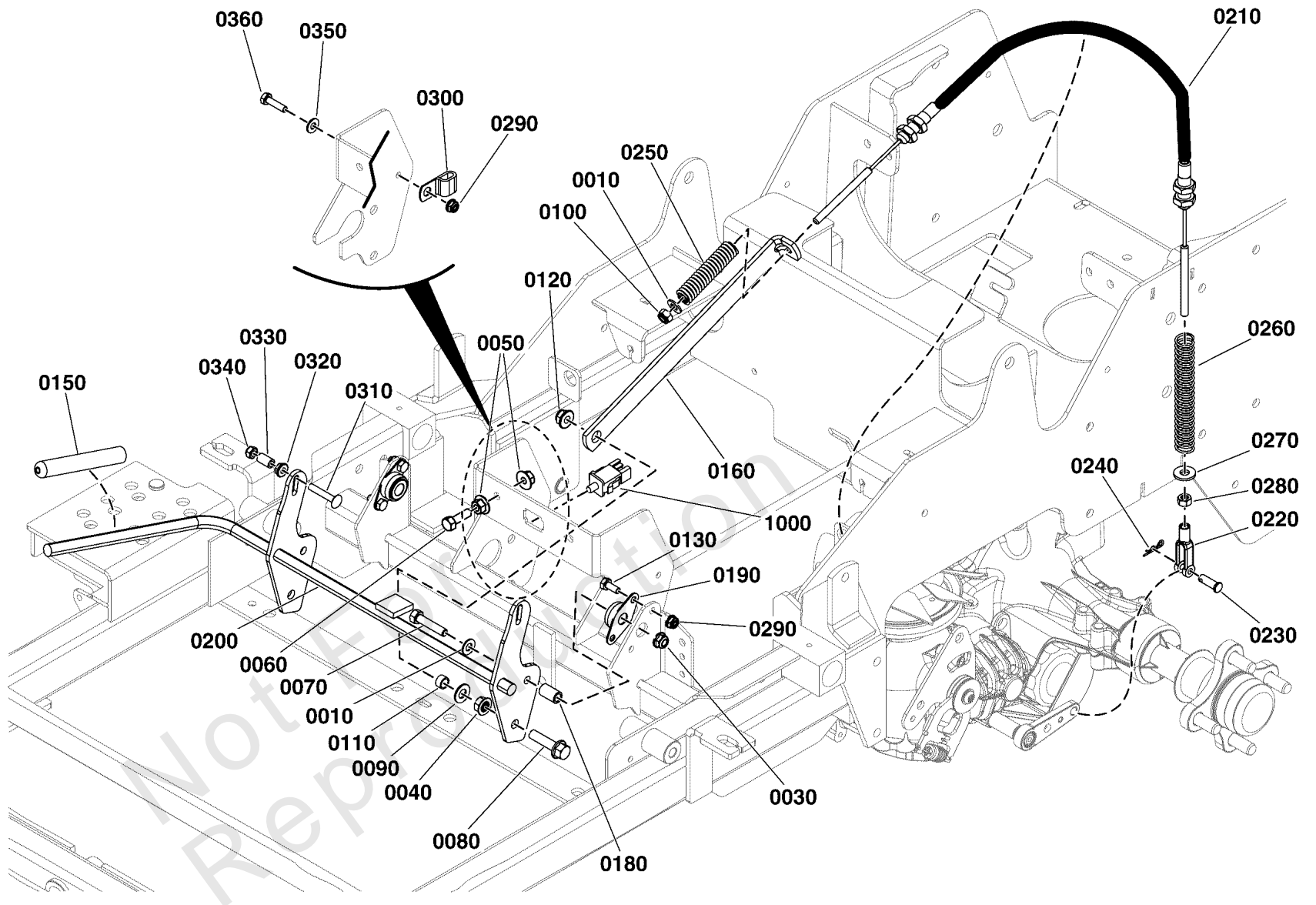
Motion Control Group - Handles & Dampeners

REF NO	PART NO	QTY	DESCRIPTION
0080	5025327YP	2	BOLT, 3/8-16 X 1-1/4 SHCS
0090	5025127SM	8	NUT, 5/16-18 HEX SERR
0110	5025013X24SM	2	BOLT, 3/8-16 X 3" GD5
0120	5025055X14SM	2	BOLT, 5/16-18 X 1-3/4
0130	703873	4	CAPSCREW,3/8-16X2.5
0140	703590	8	WASHER, FLAT, .406
0150	5025096SM	4	NUT, 3/8-16 HEX NYLON
0160	5025394SM	10	NUT, 3/8-16 HEX NYLOCK
0190	5100948SM	2	GUARD, RUBBER
0200	5025431SM	4	PUSH RIVET (TREE TYPE
0210	5100941SM	4	BALL STUD
0220	5100940SM	2	DAMPNER, CONTROL
0230	5021499SM	2	BEARING, FLANGE
0240	5104722YP	2	GRIP, FOAM, 1" ID, 16" LONG
0250	5047004AYP	2	MOUNT, CONTROL ARM -(9.0" Total Length, 4 Adjustment Holes)
0260	5414431AYP	1	WELD,HANDLE MOTION CNTRL,19.0,1.0,LH,BLK
0270	5414432AYP	1	WELD,HANDLE MOTION CNTRL,19.0,1.0,RH,BLK
0280	5416051AYP	1	WELD, NEUTRAL LOCK - RH - BLK
0290	5416052AYP	1	WELD, NEUTRAL LOCK - LH - BLK
0300	5048264SM	6	SPACER, .39 X .63 X 1
0310	5025013X6SM	4	BOLT, 3/8-16 X 3/4" G
0320	5021098SM	2	BEARING, BRONZE FLANG
0330	5415891AYP	1	SHAFT
0350	5415890AYP	1	SHAFT
0520	5100947SM	2	ROD, NEUTRAL
0530	5022645SM	2	SPRING, REVERSE RETUR
0540	5023260SM	2	BUSHING, NYLON
0550	5104375YP	2	BUSHING, FLANGED, 3/8
0560	5010546SM	2	COLLAR, 3/8" SET
0580	5025010X14SM	2	BOLT, 1/4-20 X 1-3/4"
0640	703115	4	NUT
0650	703354	4	SCREW, 5/16-18
0660	5025210YP	2	PIN, HAIR, .0915 X 1-7/8
0670	703590	2	WASHER, FLAT, .406
0680	5025055X14SM	4	BOLT, 5/16-18 X 1-3/4
0690	5025139SM	4	NUT, 5/16-18 HEX SERR
0700	5025010X14SM	2	BOLT, 1/4-20 X 1-3/4"
0710	703463	2	NUT, GR5,1/4-20
0720	703332	2	WASHER

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703302	2	WASHER, 5/16
0030	703115	2	NUT
0040	5025128SM	2	NUT, 3/8-16 HEX SERRA
0050	5025139SM	2	NUT, 5/16-18 HEX SERR
0060	5025011X9SM	1	BOLT, 5/16-18 X 1-1/8
0070	5025011X12SM	2	BOLT, 5/16-18 X 1-1/2
0080	5025390X12YP	2	BOLT
0090	703590	2	WASHER, FLAT, .406
0100	5025045SM	2	NUT, 5/16-24 HEX NYLO
0110	5041930SM	2	SPACER, .38 X .50 X .
0120	5025394SM	2	NUT, 3/8-16 HEX NYLOCK
0130	703338	4	BOLT, 1/4-20X5/8
0150	5021880SM	1	GRIP, FOAM
0160	5410328AYP	2	LINK, BRAKE LOCK
0180	5103660YP	2	SPACER, .32X.50 X.83
0190	5101123SM	2	BEARING, 1/2 FLANGE
0200	5415910AYP	1	BRAKE SHAFT
0210	5104276YP	2	CABLE, PARKING BRAKE
0220	5100301SM	2	CLEVIS, 5/16-18, 5/16" PIN HOLE, STEEL
0230	5025213X8SM	2	PIN, CLEVIS, 5/16" X
0240	5025211SM	2	PIN, HAIR, .0585" X 1
0250	5023242SM	2	SPRING, CONTROL ROD
0260	5021494SM	2	SPRING, COMPRESSION,
0270	703302	2	WASHER, 5/16
0280	5025032SM	2	NUT, 5/16-18 HEX
0290	703463	5	NUT, GR5, 1/4-20
0300	5025430SM	1	CLAMP, 5/16, DOUBLE, WIRE & TUBE
0310	704214	2	BOLT, 1/4-20 X 1.5
0320	703233	2	NUT, 1/4-20, GR5
0330	5041483YP	2	SPACER
0340	5025095SM	2	NUT, 1/4-20 HEX NYLON
0350	703332	1	WASHER
0360	5025010X6SM	1	BOLT, 1/4-20 X 3/4" G
1000	-----	1	Refer to: Electrical Group

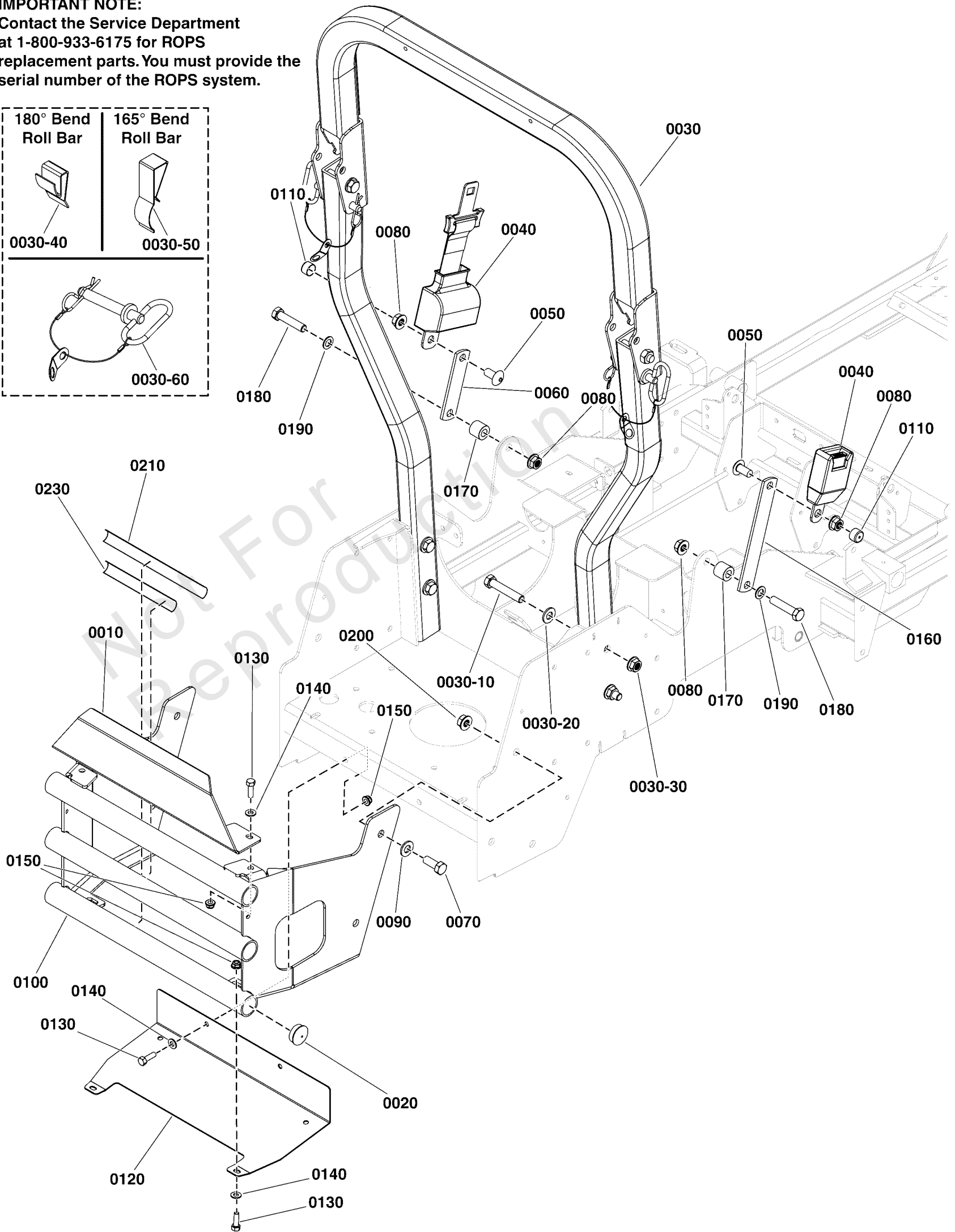
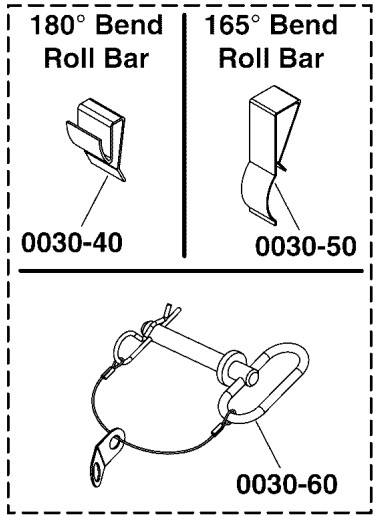
Rear Bumper and ROPS Group - Models with Folding Roll Bars

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

IMPORTANT NOTE:

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



Rear Bumper and ROPS Group - Models with Folding Roll Bars

REF NO	PART NO	QTY	DESCRIPTION
0010	5410480CYP	1	PLATE, CARB PROTECTOR - ORG
0020	5023484SM	6	PLUG, PANEL, 1.25 - B
0030	-----	1	ROPS, FOLDING, IS600 -(Refer to Note: *)
0030-10	5025017X22SM	4	BOLT, 1/2-13 X 2-3/4"
0030-20	5025158SM	4	WASHER, 1/2" SAE
0030-30	5025396SM	4	NUT, Hex Flange, 1/2-13
0030-40	5103403X1YP	2	ANTI-RATTLE SPRING, FEMCO #230328972 (SV) -(180 Degree Bend Roll Bar)
0030-50	5105140X1YP	2	ANTI-RATTLE SPRING, ROPS, 165 DEGREE (SV) -(165 Degree Bend Roll Bar)
0030-60	5100013SM	2	PIN, HITCH, .50 X 3.2
0040	5100139SM	1	SEAT BELT, RETRACTING
0050	5100267SM	2	SCREW, 1/2-13 X 1.00,
0060	5401044AYP	1	EXTENSION, SEAT BELT
0070	5025017X8YP	4	BOLT, 1/2-13 X 1, GD5 CZ
0080	5025396SM	8	NUT, Hex Flange, 1/2-13
0090	5025158SM	4	WASHER, 1/2" SAE
0100	84003822	1	BUMPER, Rear
0110	5101049SM	2	CAP - VINYL
0120	84003823	1	SHIELD, Heat
0130	703570	6	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0140	5025292SM	6	WASHER, 5/16" GD.9 FL
0150	703115	6	NUT
0160	84003142	1	BAR
0170	5044673SM	2	SPACER, .52 X 1.00 X
0180	5025017X18SM	2	BOLT, 1/2-13
0190	703128	2	WASHER
0200	5025332SM	4	NUT - SIDE LOCK
0210	84002227	1	TAPE -(16")
0230	84003821	1	TAPE -(11.5")

Footnotes:

Note: *Contact the Service Department at 1-800-933-6175 for roll bar replacement parts. You must provide the serial number of the roll bar system.

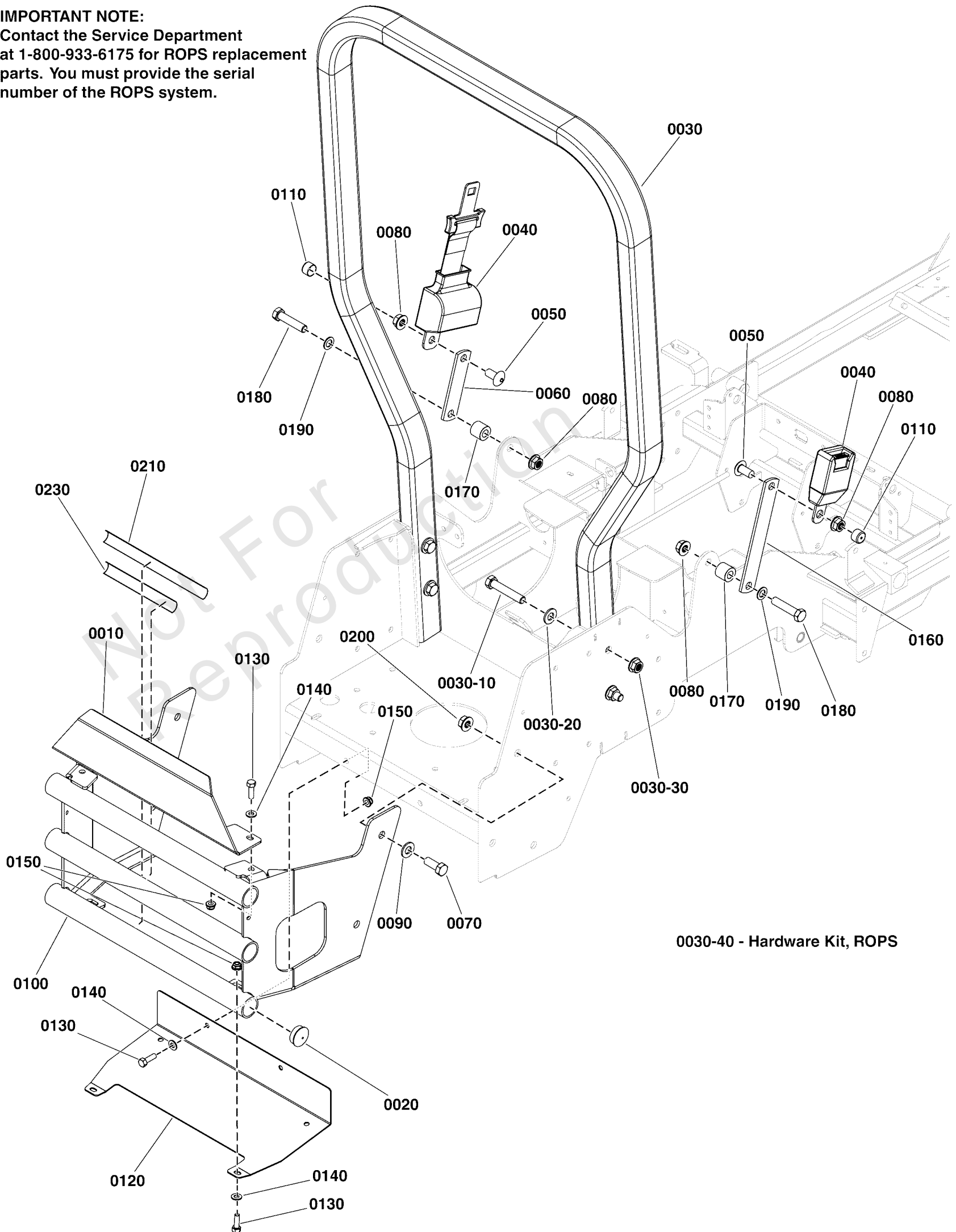
Rear Bumper and ROPS Group - Models with Rigid Roll Bars

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

IMPORTANT NOTE:

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



Rear Bumper and ROPS Group - Models with Rigid Roll Bars

REF NO	PART NO	QTY	DESCRIPTION
0010	5410480CYP	1	PLATE, CARB PROTECTOR - ORG
0020	5023484SM	6	PLUG, PANEL, 1.25 - B
0030	-----	1	ROPS, RIDGID, IS600 -(Refer to Note: *)
0030-10	5025017X22SM	4	BOLT, 1/2-13 X 2-3/4"
0030-20	5025158SM	4	WASHER, 1/2" SAE
0030-30	5025396SM	4	NUT, Hex Flange, 1/2-13
0030-40	84003141	1	KIT, Hardware
0040	5100139SM	1	SEAT BELT, RETRACTING
0050	5100267SM	2	SCREW, 1/2-13 X 1.00,
0060	5401044AYP	1	EXTENSION, SEAT BELT
0070	5025017X8YP	4	BOLT, 1/2-13 X 1, GD5 CZ
0080	5025396SM	8	NUT, Hex Flange, 1/2-13
0090	5025158SM	4	WASHER, 1/2" SAE
0100	84003822	1	BUMPER, Rear
0110	5101049SM	2	CAP - VINYL
0120	84003823	1	SHIELD, Heat
0130	703570	6	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0140	5025292SM	6	WASHER, 5/16" GD.9 FL
0150	703115	6	NUT
0160	84003142	1	BAR
0170	5044673SM	2	SPACER, .52 X 1.00 X
0180	5025017X18SM	2	BOLT, 1/2-13
0190	703128	2	WASHER
0200	5025332SM	4	NUT - SIDE LOCK
0210	84002227	1	TAPE -(16")
0230	84003821	1	TAPE -(11.5")

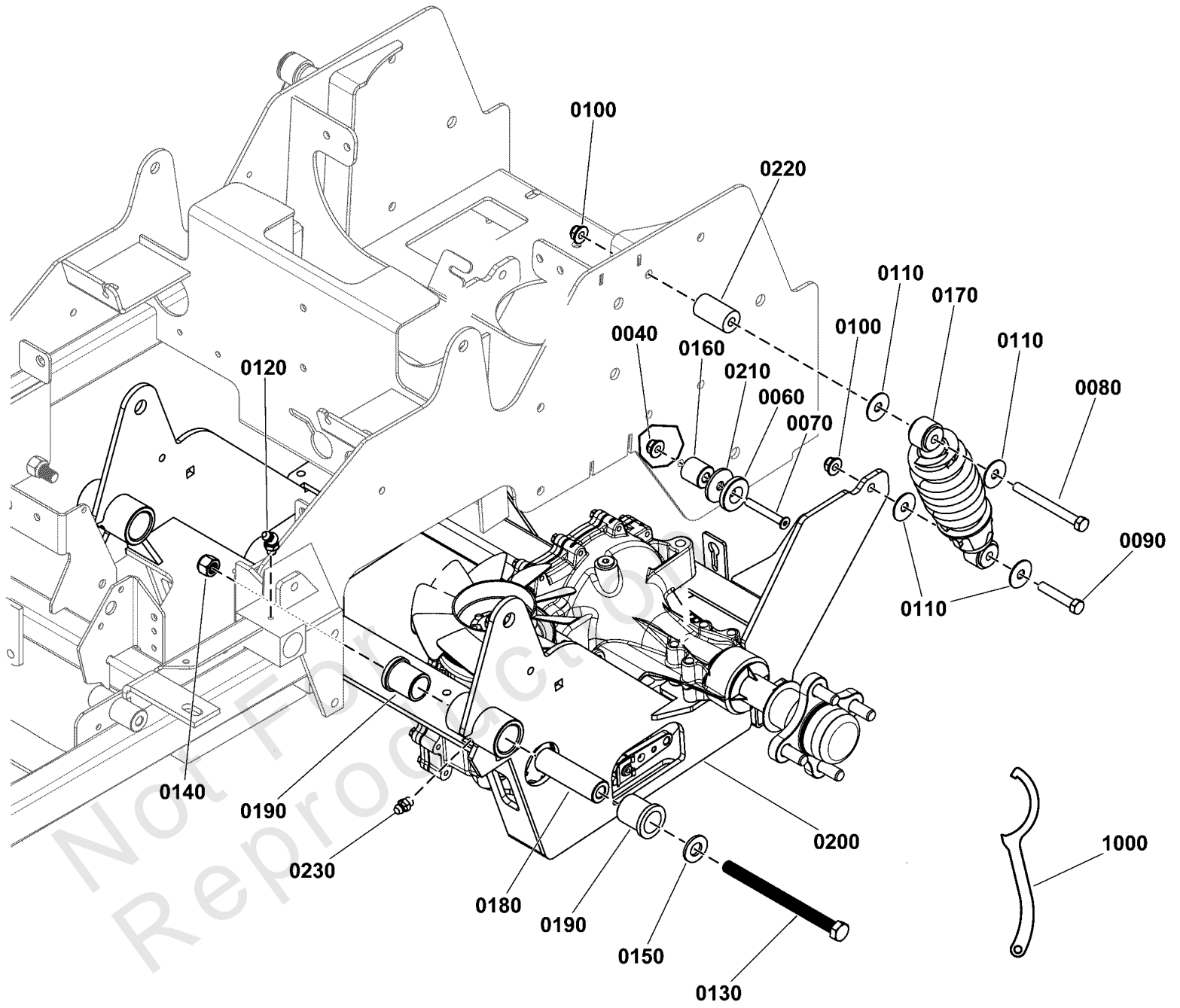
Footnotes:

Note: *Contact the Service Department at 1-800-933-6175 for roll bar replacement parts. You must provide the serial number of the roll bar system.

Rear Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Rear Suspension Group

REF NO	PART NO	QTY	DESCRIPTION
0040	703115	2	NUT
0060	5102701YP	2	SPACER
0070	5025303X12YP	2	SCREW, 5/16-18X1.5
0080	5025013X24SM	2	BOLT, 3/8-16 X 3" GD5
0090	5025013X16SM	2	CAPSCREW, Hex Head, 3/8-16 x 2
0100	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0110	5025165SM	8	WASHER, 3/8" FENDER
0120	5020020SM	2	GREASE FITTING, 45 DE
0130	5025488X52YP	2	BOLT
0140	7091325YP	2	HLN, NYLON, 1/2C YZ
0150	5025158SM	2	WASHER, 1/2" SAE
0160	5046860SM	2	SPACER
0170	5103624YP	2	SHOCK ABSORBER, IS600
0180	5061339SM	2	SPACER, .52 X 1.00 X
0190	5021541SM	4	BUSHING, FLANGE
0200	5408633CYP	1	WELD, SUSPENSION CRADLE, IS600 - ORG
0210	5100548SM	2	WASHER - .39X1.50
0220	5100896SM	2	SPACER
0230	5020095SM	2	GREASE FITTING, 1/4-2
1000	5022853SM	1	SPANNER WRENCH

Seat Mount & Floor Group S/N: 4000875836 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

Seat Service Parts:

0100-10 - 4" Track Assembly w/ Hardware

0100-20 - Back Assembly

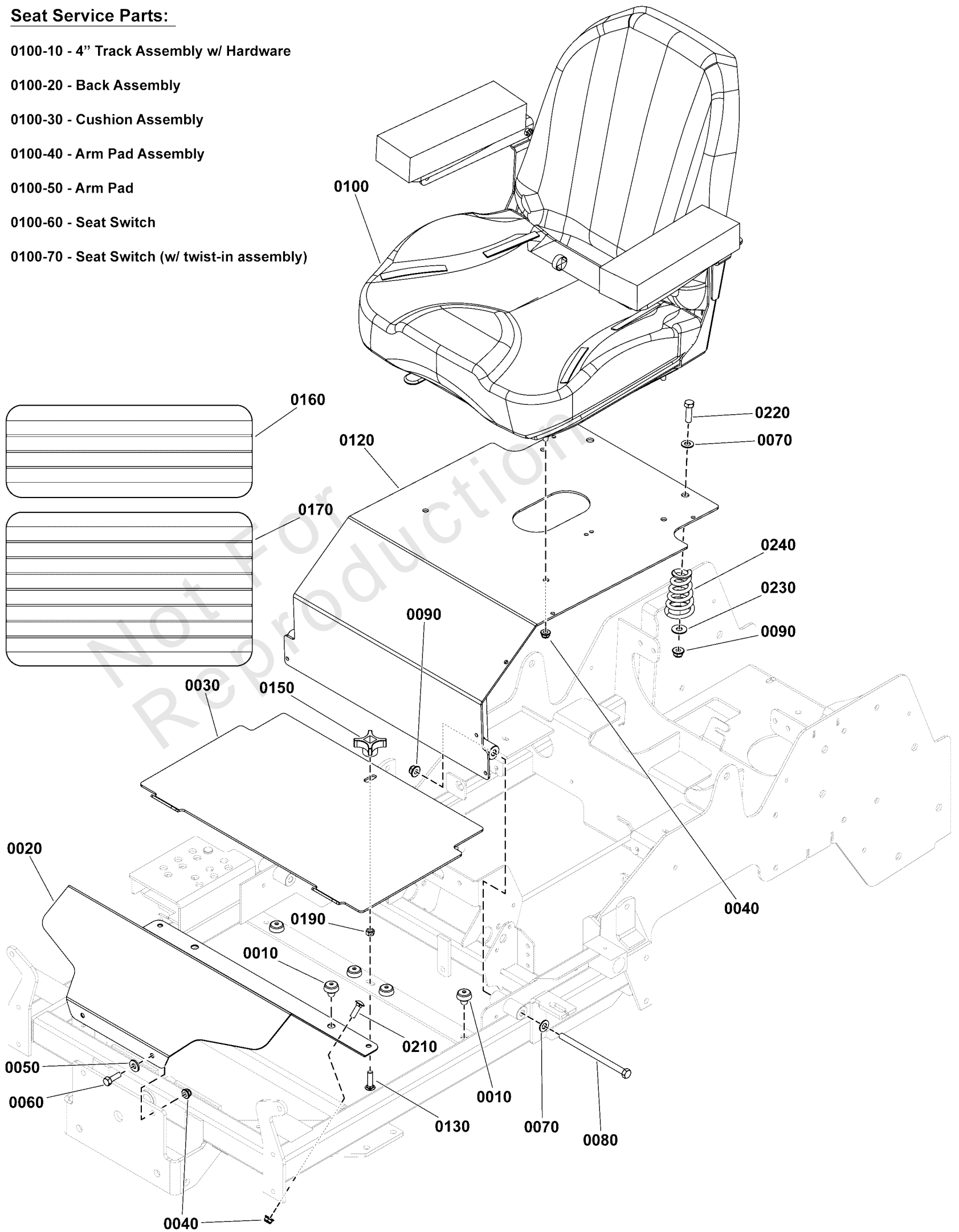
0100-30 - Cushion Assembly

0100-40 - Arm Pad Assembly

0100-50 - Arm Pad

0100-60 - Seat Switch

0100-70 - Seat Switch (w/ twist-in assembly)



Seat Mount & Floor Group S/N: 4000875836 and Below

REF NO	PART NO	QTY	DESCRIPTION
0010	197546GS	6	MOUNT-VIBRATION
0020	5410257CYP	1	PLATE, Support
0030	5410256CYP	1	PLATE, FLOOR PAN, REMOVABLE. IS600 - ORG
0040	703115	8	NUT
0050	5025292SM	2	WASHER, 5/16" GD.9 FL
0060	703570	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0070	703590	4	WASHER, FLAT, .406
0080	5025013X48SM	2	BOLT, 3/8-16 X 6" GD5
0090	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0100	84003152	1	SEAT ASSEMBLY
0100-10	5104741X1YP	1	4" SL TRACK SET - 9" FLAT - W/HDWR -(SV)
0100-20	84003168	1	CUSHION, Back
0100-30	84003169	1	CUSHION, Seat
0100-40	5104681X3YP	1	LEFT AND RIGHT HAND ARM ASSEMBLIES, CI3 SEAT -(SV)
0100-50	5104681X4YP	1	PAD -(SV)
0100-60	7023354YP	1	SWITCH, SEAT -(SV)
0100-70	5100541YP	1	SWITCH, NC, W/ TWIST-IN BASE -(SV)
0120	5601144	1	ASSM, SEAT PLATE W/ DECALS
0130	5025145X10YP	1	BOLT, 5/16-18 X 1-1/4
0150	1670578SM	1	KNOB-INT THR .312-18
0160	5101374YP	1	SAFETY WALK, FLOOR RE
0170	5101333YP	1	SAFETY WALK, FLOOR PL
0190	703164	1	NUT
0210	5025145X8SM	2	BOLT, 5/16-18 X 1", C
0220	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4"
0230	5025401YP	2	WASHER, 3/8 USS
0240	84004561	2	SPRING

Seat Mount & Floor Group S/N: 4000875837 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

Seat Service Parts:

0100-10 - 4" Track Assembly w/ Hardware

0100-20 - Back Assembly

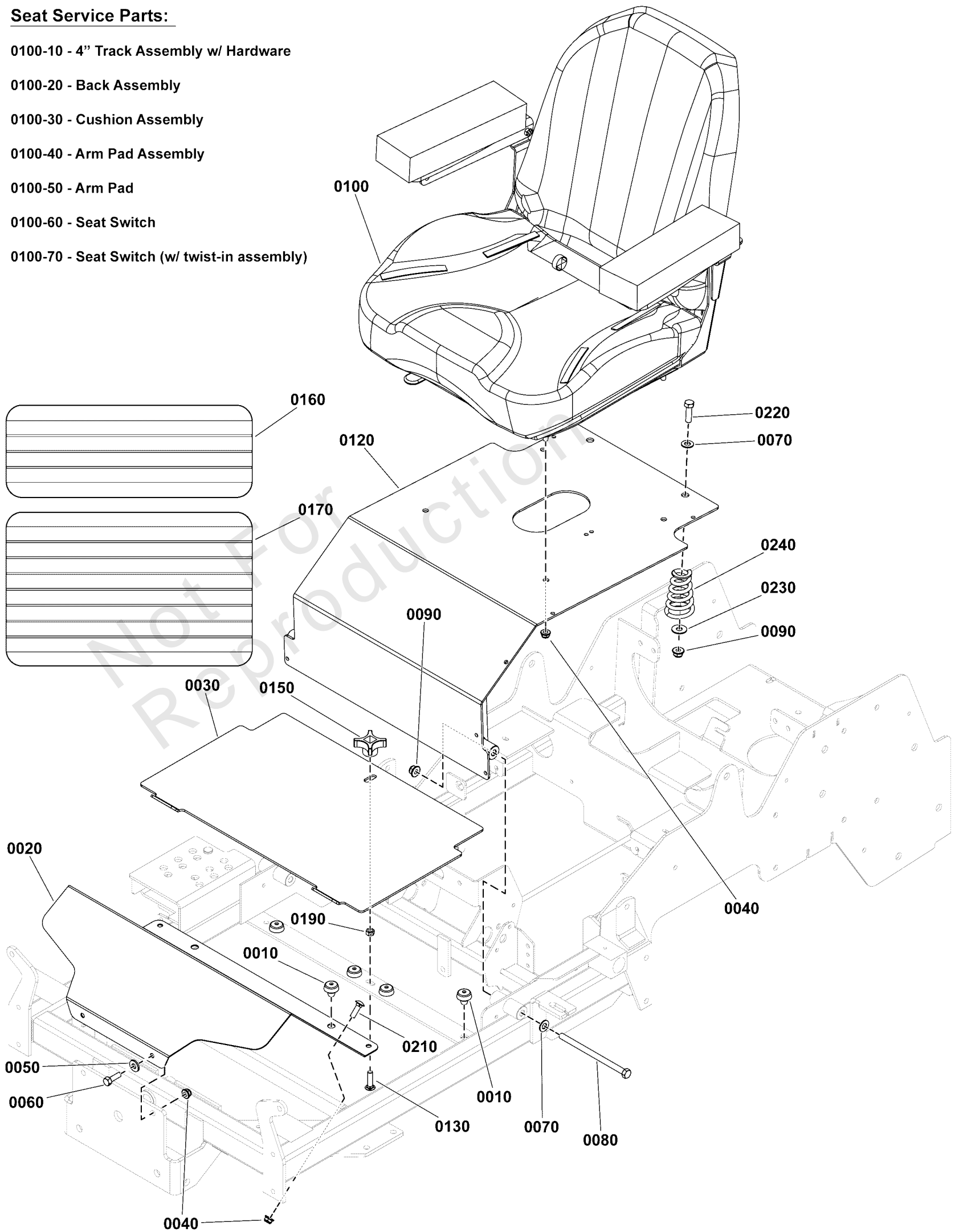
0100-30 - Cushion Assembly

0100-40 - Arm Pad Assembly

0100-50 - Arm Pad

0100-60 - Seat Switch

0100-70 - Seat Switch (w/ twist-in assembly)



Seat Mount & Floor Group S/N: 4000875837 and Above

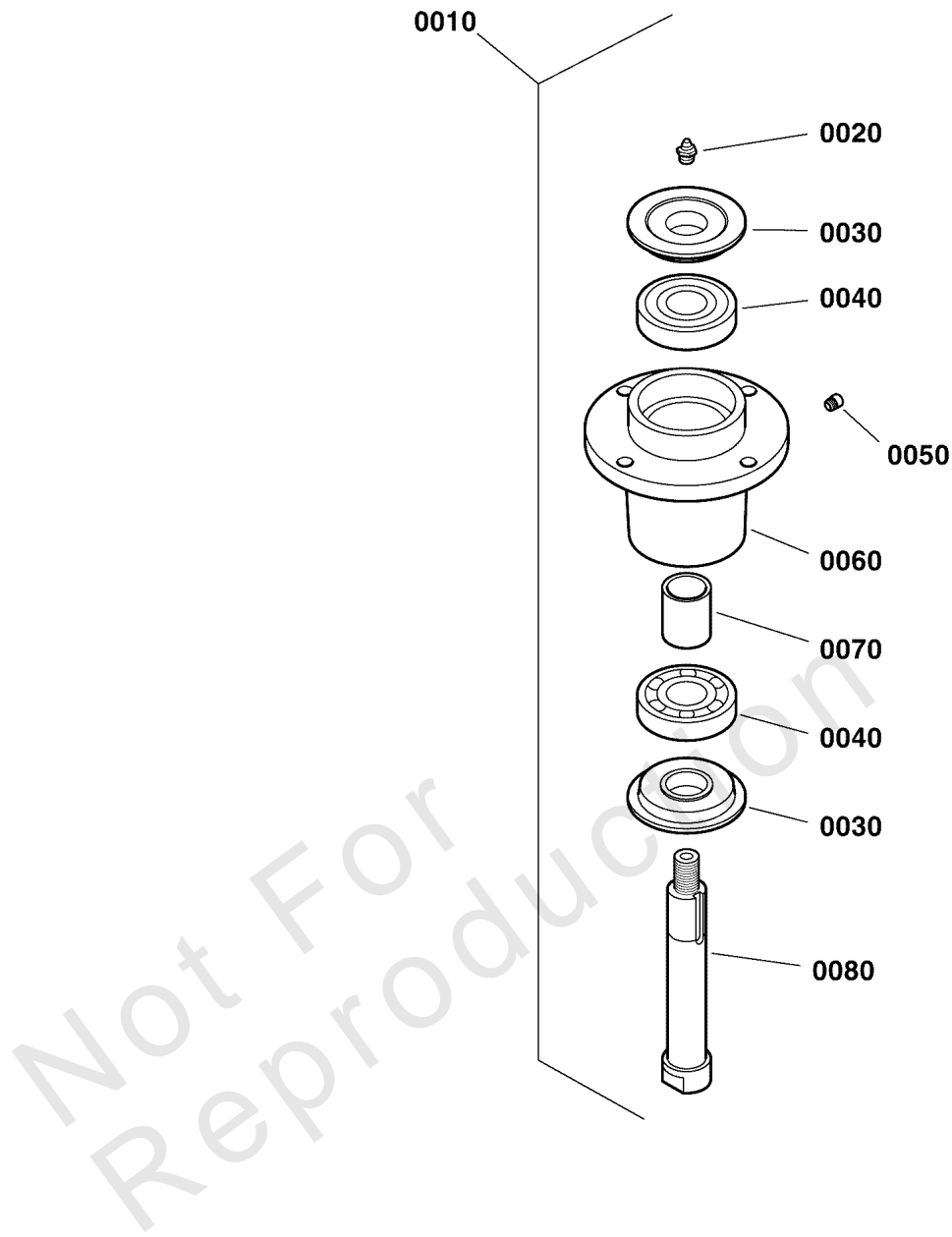
REF NO	PART NO	QTY	DESCRIPTION
0010	197546GS	6	MOUNT-VIBRATION
0020	5410257CYP	1	PLATE, Support
0030	5410256CYP	1	PLATE, FLOOR PAN, REMOVABLE. IS600 - ORG
0040	703115	8	NUT
0050	5025292SM	2	WASHER, 5/16" GD.9 FL
0060	703570	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0070	703590	4	WASHER, FLAT, .406
0080	5025013X48SM	2	BOLT, 3/8-16 X 6" GD5
0090	5025394SM	4	NUT, 3/8-16 HEX NYLOCK
0100	84003662	1	SEAT
0100-10	5104741X1YP	1	4" SL TRACK SET - 9" FLAT - W/HDWR -(SV)
0100-20	84006055	1	CUSHION, Back -(SV)
0100-30	84006054	1	CUSHION, Seat -(SV)
0100-40	84006057	1	Bracket -(SV)
0100-50	84006056	1	PAD -(SV)
0100-60	7023354YP	1	SWITCH, SEAT -(SV)
0100-70	5100541YP	1	SWITCH, NC, W/ TWIST-IN BASE -(SV)
0120	5601144	1	ASSM, SEAT PLATE W/ DECALS
0130	5025145X10YP	1	BOLT, 5/16-18 X 1-1/4
0150	1670578SM	1	KNOB-INT THR .312-18
0160	5101374YP	1	SAFETY WALK, FLOOR RE
0170	5101333YP	1	SAFETY WALK, FLOOR PL
0190	703164	1	NUT
0210	5025145X8SM	2	BOLT, 5/16-18 X 1", C
0220	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4"
0230	5025401YP	2	WASHER, 3/8 USS
0240	84004561	2	SPRING

Spindle SERVICE PARTS - 5061095SM

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

5061095



Spindle SERVICE PARTS - 5061095SM

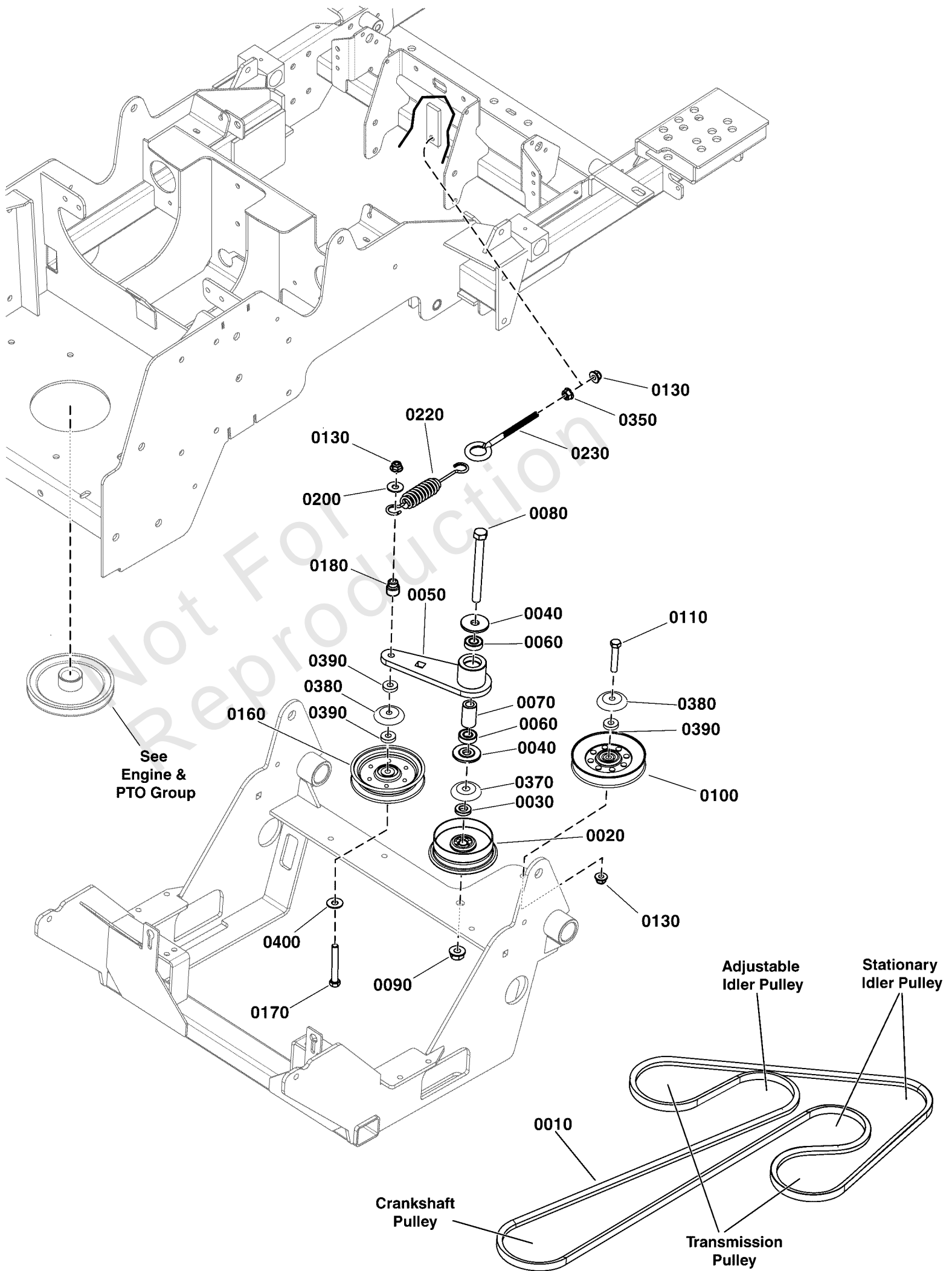
REF NO	PART NO	QTY	DESCRIPTION
0010	5061095SM	3	ASSM, SPINDLE, LOW PR -(Nut and Washer sold seperately)
0020	5023329SM	3	FITTING
0030	5049793SM	6	SHIELD, TRASH
0040	5023330SM	6	BEARING, .98 X 2.44 X
0050	5023296SM	3	FITTING, RELIEF, 1-5
0060	5061097SM	3	SPINDLE HOUSING (SV)
0070	5061099SM	3	SPACER
0080	5061098SM	3	SHAFT, SPINDLE

Not For Reproduction

Transaxle Drive Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743



Transaxle Drive Group

REF NO	PART NO	QTY	DESCRIPTION
0010	5103885YP	1	BELT, A-SEC, 117.24"
0020	5103618YP	1	PULLEY, IDLER
0030	5100520SM	1	SPACER .515X1.00X.218
0040	5103262YP	2	SPACER, IDLER ARM
0050	5409891AYP	1	ARM, PUMP DRIVE IDLER
0060	7078243YP	2	BEARING, BALL, AXLE
0070	5103812YP	1	SPACER, .52 X .84 X 1
0080	5025017X40SM	1	BOLT, 1/2-13 X 5" GD5
0090	5025396SM	1	NUT, Hex Flange, 1/2-13
0100	5103717YP	1	PULLEY, IDLER
0110	703873	1	CAPSCREW,3/8-16X2.5
0130	5025394SM	3	NUT, 3/8-16 HEX NYLOCK
0160	5103788YP	1	PULLEY, IDLER-V
0170	5025013X24SM	1	BOLT, 3/8-16 X 3" GD5
0180	5020923YP	1	SPACER, SHOULDER
0200	5025401YP	1	WASHER, 3/8 USS
0220	5100632YP	1	SPRING, EXTENSION
0230	5023497SM	1	EYE BOLT, 3/8-16 X 5"
0350	5025128SM	1	NUT, 3/8-16 HEX SERRA
0370	5101103SM	1	SHIELD, PULLEY
0380	5103787YP	2	SHIELD, BRNG PULLEY
0390	5044960SM	3	SPACER, .39 X 1.00 X
0400	703590	1	WASHER, FLAT, .406

Transaxle SERVICE Parts - Hydro-Gear ZT3200

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

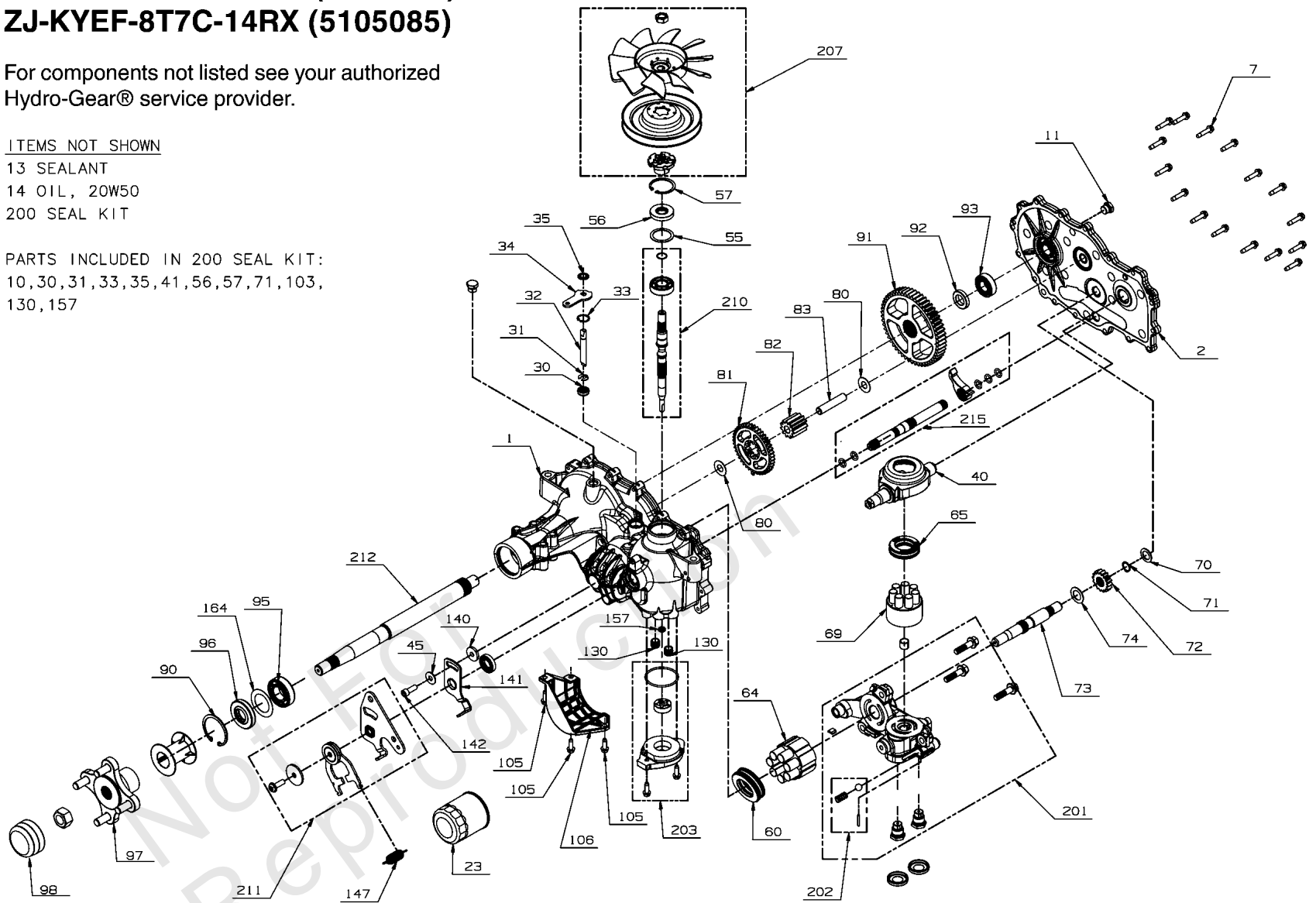
Service Parts Schematic for Hydro-Gear® Transaxles: ZJ-GYEF-8T7B-1GRX (5105086) ZJ-KYEF-8T7C-14RX (5105085)

For components not listed see your authorized Hydro-Gear® service provider.

ITEMS NOT SHOWN

- 13 SEALANT
- 14 OIL, 20W50
- 200 SEAL KIT

PARTS INCLUDED IN 200 SEAL KIT:
10, 30, 31, 33, 35, 41, 56, 57, 71, 103,
130, 157



Transaxle SERVICE Parts - Hydro-Gear ZT3200

REF NO	PART NO	QTY	DESCRIPTION
1	----	1	KIT, MAIN HOUSING, RH, CHRG, CNTRL
2	----	1	KIT, SIDE COVER RH
7	----	16	SCREW, HEX WASHER
11	----	1	PLUG EXTERNAL HEX VENT 9/16-18
23	5101026X1SM	1	FILTER, OIL,
30	----	1	SEAL, LIP, .375 X .75 X .25
31	----	1	BYPASS RETAINING RING 1
32	----	1	ROD, BYPASS .375 X 2.88
33	----	1	BYPASS RETAINING RING 2
34	----	1	ARM, BYPASS
35	----	1	RING, RETAINING .375 EXTERNAL
40	----	1	SWASHPLATE, TRUNNION
41	----	1	SEAL, LIP 10 X 32 X 7
45	----	1	WASHER, .34X.88X.06
55	----	1	WASHER, FLAT 1.23 X 1.57 X .04
56	5101026X3SM	1	SEAL, LIP
57	5101026X4SM	1	RING, RET 2.06 INT,
60	----	1	BEARING, THRUST 35 x 62 x 18
64	----	1	KIT, 16cc CYLINDER BLOCK ASSEMBLY
65	----	1	BEARING, THRUST 30 x 52 x 13
69	----	1	KIT, BLOCK 7 PISTON
70	----	1	WASHER, .63 X 1.00 X .05 FLAT
71	----	1	RETAINING RING, MOTOR SHAFT
72	----	1	GEAR, 16T (STEEL)
73	----	1	SHAFT, MOTOR
74	----	1	WASHER, .71 X 1.16 X .04 FLAT
80	----	2	WASHER, .51 X 1.00 X .03 FLAT
81	----	1	GEAR, 43T
82	----	1	GEAR, 11T (STEEL)
83	----	1	PIN, JACKSHAFT
90	----	1	RING, RETAINING 2.25 INTERNAL
91	----	1	GEAR, 54T
92	----	1	SPACER, .750 X 1.320 X .257
93	----	1	KIT, BEARING
95	5101026X5SM	1	BEARING, BALL, 1.0 X 52 X 15 OPEN 6205M
96	5103589X1YP	1	KIT, SEAL, LIP -
97	5103589X8YP	1	ASSM, HUG
98	5103589X7YP	1	AXLE CAP,
105	----	3	SCREW, HEX WASHER 1/4-20 X .75
106	----	1	GUARD, FILTER, RH
130	----	2	TUBE, CHARGE TRIPLE O-RING
140	----	1	SPACER, .320X1.005X.179
141	----	1	ARM, NEUTRAL RIGHT
142	----	1	SHCS, 5/16-24 X .875 (PATCH)
147	----	1	SPRING, EXTENSION
157	----	1	KIT, GEROTOR SEAL
164	----	1	WASHER, 1.355 x 2.035 x .021 FLAT
200	5101026X8SM	1	KIT SEAL
201	----	1	KIT, CENTER SECTION, RH CHARGE
202	----	1	KIT, CHARGE RELIEF
203	----	1	KIT, Fan & Pulley (Incl. 296 thru 300)

Transaxle SERVICE Parts - Hydro-Gear ZT3200

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

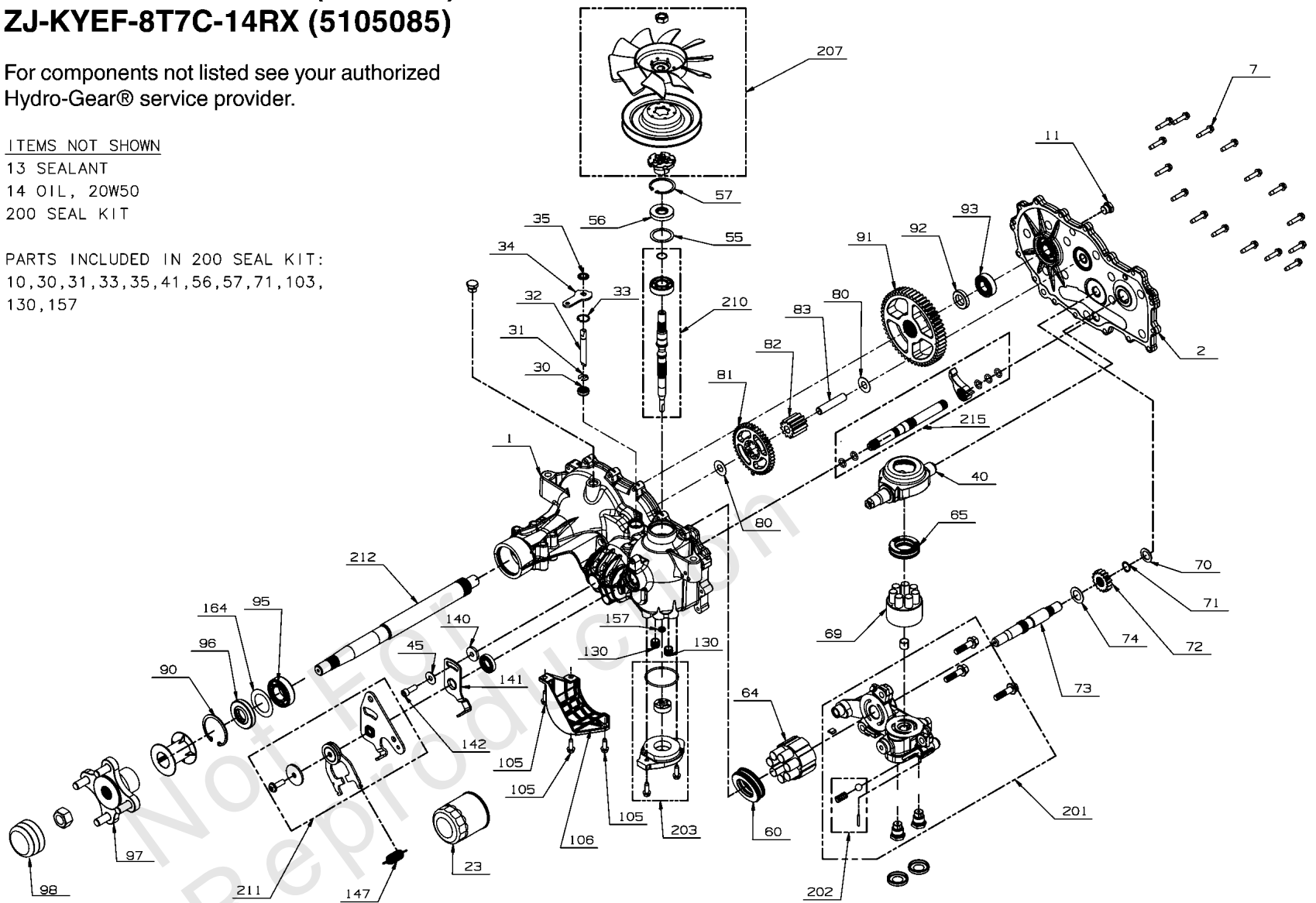
Service Parts Schematic for Hydro-Gear® Transaxles: ZJ-GYEF-8T7B-1GRX (5105086) ZJ-KYEF-8T7C-14RX (5105085)

For components not listed see your authorized Hydro-Gear® service provider.

ITEMS NOT SHOWN

- 13 SEALANT
- 14 OIL, 20W50
- 200 SEAL KIT

PARTS INCLUDED IN 200 SEAL KIT:
10, 30, 31, 33, 35, 41, 56, 57, 71, 103,
130, 157



Transaxle SERVICE Parts - Hydro-Gear ZT3200

REF NO	PART NO	QTY	DESCRIPTION
207	-----	1	*KIT, Charge Pump
210	-----	1	KIT, INPUT SHAFT
211	-----	1	KIT, RTN BIDIRECTIONAL
212	-----	1	SHAFT, AXLE
215	-----	1	KIT, OUTBOARD, RH ROT A / LH ROT B

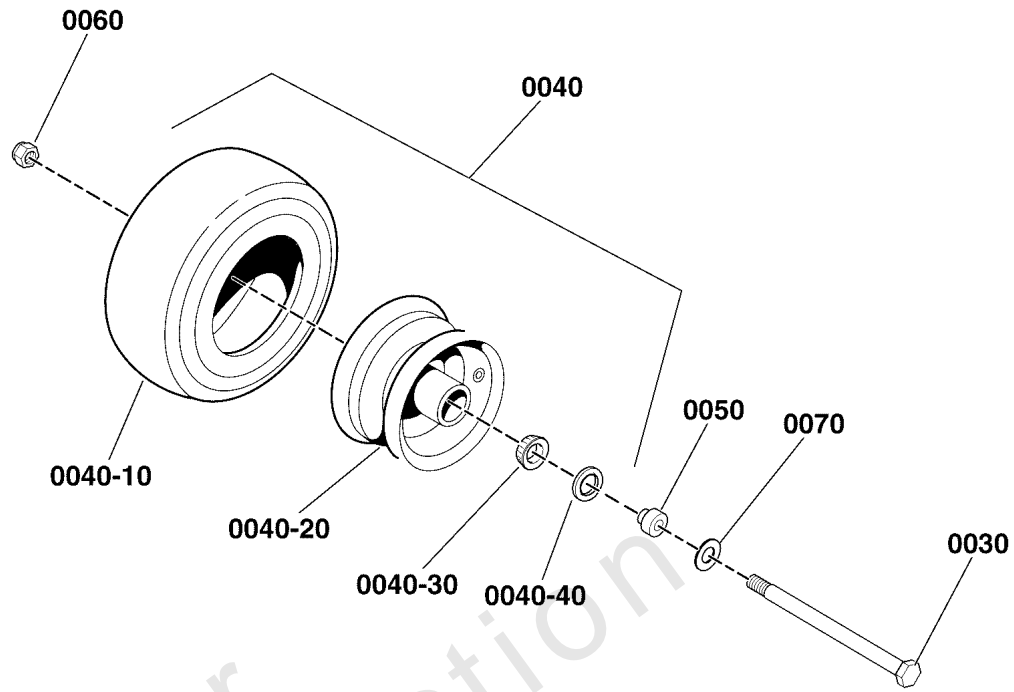
Not For Reproduction

Wheel and Tire Group S/N: 4000771923 and Below

Note: Unless noted otherwise, use the standard torque specifications

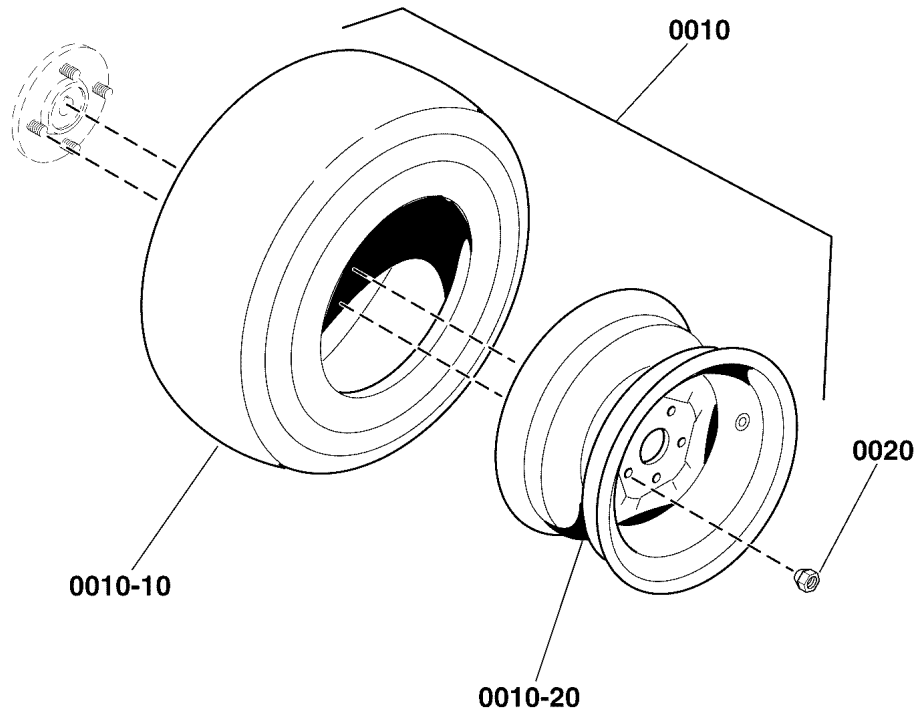
Mfg. No: 5901743

Front Wheels & Tires



Inflate to 25 PSI (1,72 bar)

Rear Wheels & Tires



Inflate to 15 PSI (1,03 bar)

Wheel and Tire Group S/N: 4000771923 and Below

REF NO	PART NO	QTY	DESCRIPTION
0010	5103622YP	2	TIRE/WHEEL, 22X11-10
0010-10	5023369X2SM	2	TIRE, 22 X 11.00-10, 4 PLY
0010-20	5103622X1YP	2	WHEEL, 10 X 7 4/4, 0" OFFSET -(One per tire)
0020	5020601SM	8	NUT, 1/2-20, FOR WHEEL BOLT SILVER -(Torque tire lug nut to 90 ft-lbs (122 Nm))
0030	5025017X64SM	2	BOLT, 1/2-13 X 8" GD5
0040	5022631SSM	2	WHEEL & TIRE ASSEMBLY, Front, 13 x 5.0 x 6, Complete (Includes Ref 2 thru 5)
0040-10	5022029X1SM	2	TIRE, Front, 13 x 5.0 x 6 -(One per tire)
0040-20	5022631SX1SM	2	WHEEL ASSEMBLY, Front, for 13 x 5.0 x 6 Tires, Complete -(One per tire)
0040-30	5022631SX2SM	2	BEARING, TAPERED CONE -(Two per tire)
0040-40	5022631SX3SM	2	SEAL, GREASE -(Two per tire)
0050	5047103SM	4	ADAPTER, Caster Wheel (2 per tire) (for serial no. 201 & up) -(Two per tire)
0060	5025396SM	2	NUT, Hex Flange, 1/2-13
0070	5025158SM	2	WASHER, 1/2" SAE

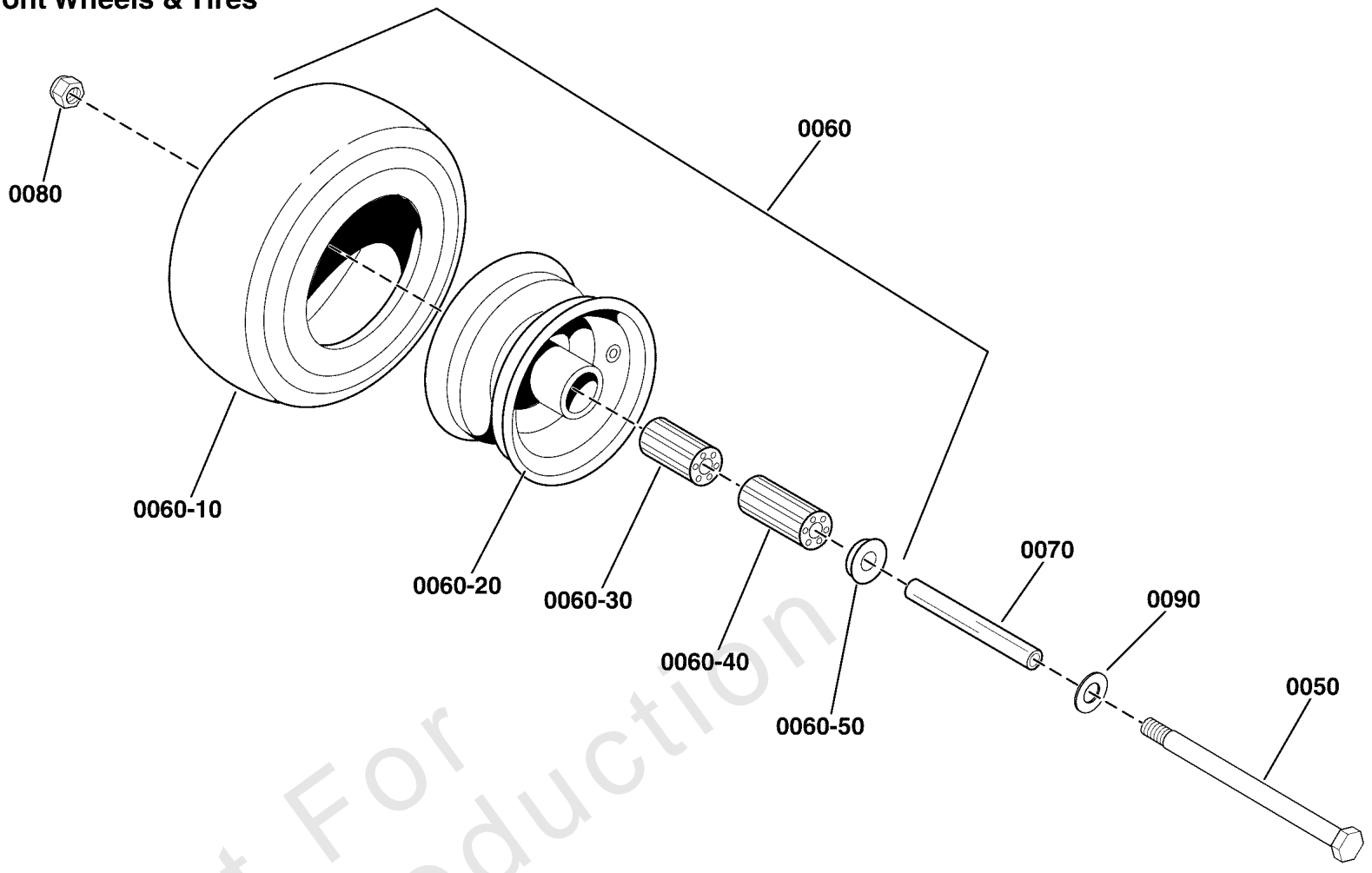
Not For Production

Wheel and Tire Group S/N: 4000771924 and Above

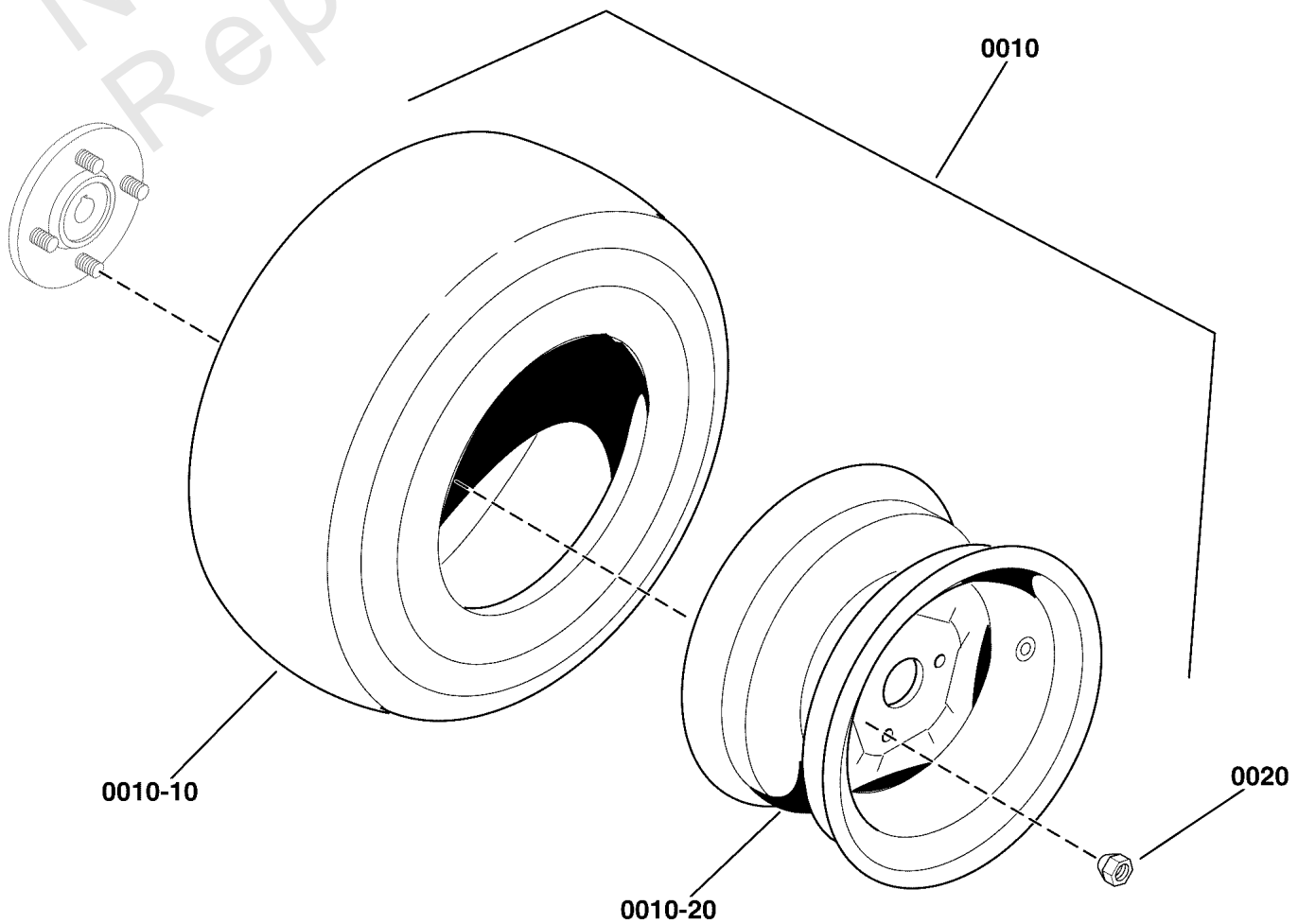
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901743

Front Wheels & Tires



Rear Wheels & Tires



Wheel and Tire Group S/N: 4000771924 and Above

REF NO	PART NO	QTY	DESCRIPTION
0010	5103622YP	2	TIRE/WHEEL, 22X11-10
0010-10	5023369X2SM	2	TIRE, 22 X 11.00-10, 4 PLY -(One per tire)
0010-20	5103622X1YP	2	WHEEL, 10 X 7 4/4, 0" OFFSET -(One per tire)
0020	5020601SM	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER
0050	5025017X72YP	2	BOLT, 1/2-13 X 9 GD5
0060	84002028	2	TIRE ASM, 13X6.5-6, ROLLER BEARING -(S/N: 4001673740 and below)
0060	84006934	2	WHEEL ASSEMBLY -(S/N: 4001673741 and above)
0060-10	5022577YP	2	TIRE, Rubber Only -(One per tire)
0060-20	84002536	2	WHEEL, 6" DIA X 4.5" BEAD WIDTH, CASTER -(One per tire)(S/N: 4001673740 and below)
0060-20	-----	2	Reference Only -(One per tire)(S/N: 4001673741 and above)
0060-30	84002537	2	BEARING, OPEN GAGE ROLLER, 3/4" ID X 2.75" -(One per tire)
0060-40	5021182SM	2	BEARING, Roller (1 per tire) -(One per tire)
0060-50	5021043SM	2	RETAINER, Bearing
0070	84002029	2	CASTER AXLE SHAFT, .51"ID X .75"ODX 7.16
0080	5025396SM	2	NUT, Hex Flange, 1/2-13
0090	5025158SM	2	WASHER, 1/2" SAE

Not For Production

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	5.6		8.8		10.9		12.9	
	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs		ft/lbs	
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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs	
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

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



Nut, M8

Thread Diameter (mm)

Inside Diameter (in) Threads per inch

Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm) Distance between threads (mm) Body Length (mm)

Body Diameter Threads per inch Body Length (in)

Screw, 1/2- 16 x 2



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).

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

Hex Head Capscrew



Washer



Carriage Bolt



Hex Nut

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

