



Parts Manual

Mfg. No: 5902052
500S Series w/ 52" Mower Deck
(500SB2552)



1696384YP - Grass Mulcher Kit, 52" Fabricated Mower Deck.

5601077 - Service Jack Mount Kit (10").

5601080 - Service Jack Kit.

5601391 - Kit, 2-Bag Clean Sweep, Turbo, 500S-52.

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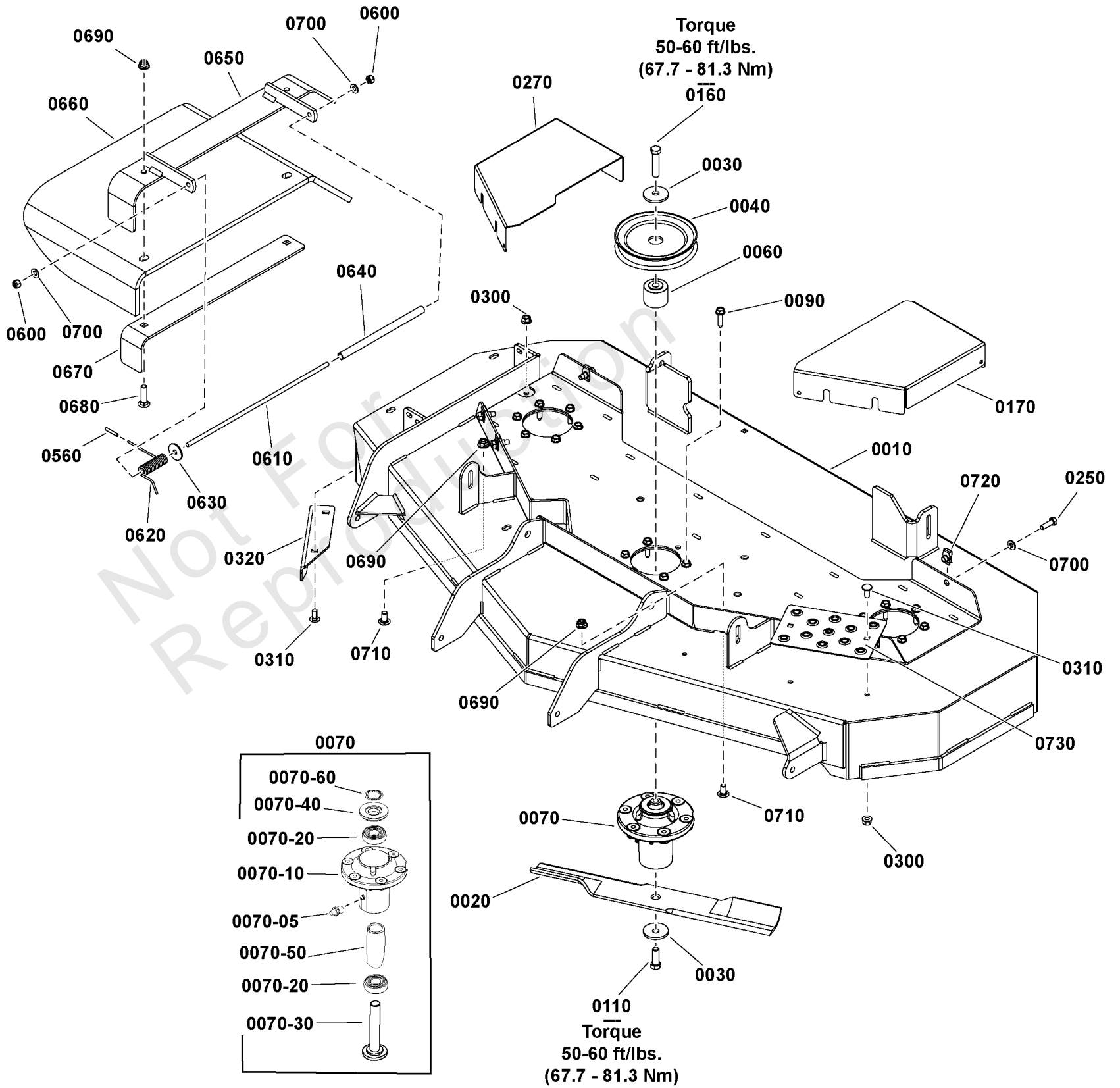
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52" Mower Deck - Housing, Arbors & Blade Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



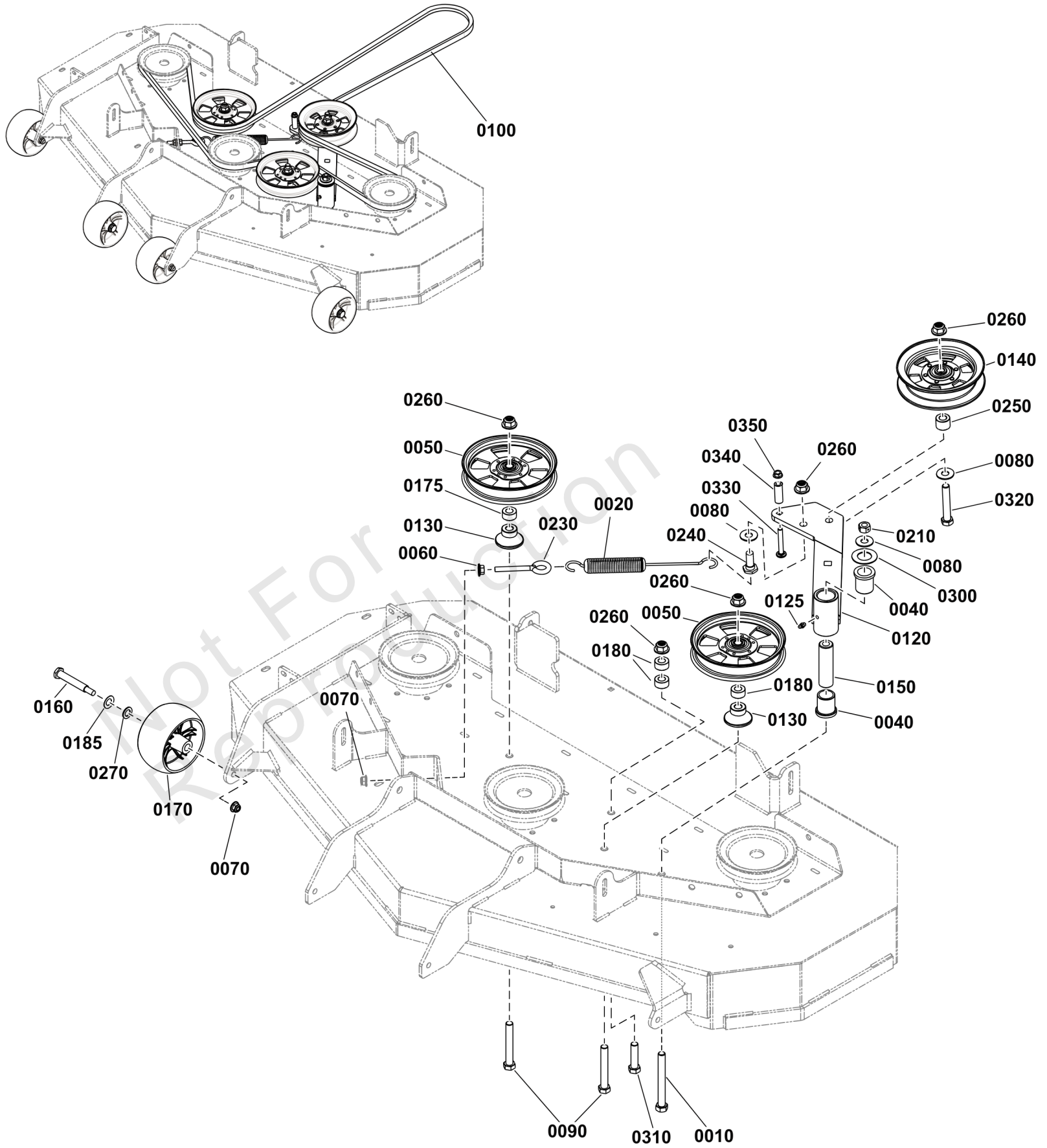
52" Mower Deck - Housing, Arbors & Blade Group

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|--------------|-----|--|
| 0010 | 5601356 | 1 | DECK SHELL W/DECALS, 500S-52 (80092013B) |
| 0020 | 1756152S | 1 | BLADE, 18", SET OF THREE (3) |
| 0030 | 1656916SM | 6 | WASHER, SPRING 0.475I |
| 0040 | 84006898 | 3 | PULLEY |
| 0060 | 1759940YP | 3 | SPACER |
| 0070 | 84003174 | 3 | ARBOR ASSEMBLY |
| 0070-05 | 703907 | 1 | ZERK, FITTING, 1/4 |
| 0070-10 | 84003653 | 1 | HOUSING ASSEMBLY |
| 0070-20 | 1735399YP | 2 | BEARING, Ball, 20mm |
| 0070-30 | 1761746 | 1 | SHAFT, MOWER SPINDLE-.620 BLADE PILOT |
| 0070-40 | 84003166 | 1 | COVER, ARBOR |
| 0070-50 | 84003167 | 1 | SPACER, BEARING |
| 0070-60 | 1960766YP | 1 | RING, SELF LOCKING |
| 0090 | 80003681 | 18 | SCREW, Hex Washer Head Taptite 5/16-18 x 1-1/4 |
| 0110 | 703579 | 3 | HHCS, 7/16-14X1.25 |
| 0160 | 84007038 | 3 | CAPSCREW, Hex Head, 7/16-14 X 2 |
| 0170 | 84007039 | 1 | COVER, ARBOR |
| 0250 | 5025011X6SM | 6 | BOLT, 5/16-18 X 3/4" |
| 0270 | 84006931 | 1 | COVER, ARBOR |
| 0300 | 5025392FS | 4 | NUT |
| 0310 | 5025145X6SM | 4 | BOLT, 5/16-18 X 3/4", |
| 0320 | 5405557AAFS | 1 | PLATE |
| 0560 | 5023489SM | 1 | CAP, PROTECTOR, .120 |
| 0600 | 5025045SM | 2 | NUT, 5/16-24 HEX NYLO |
| 0610 | 5042555SM | 1 | ROD, BRAKE LINKAGE |
| 0620 | 5023385SM | 1 | SPRING, TORSION |
| 0630 | 5025164SM | 1 | WASHER, 5/16" FENDER |
| 0640 | 5050086X8SM | 1 | TORSION SPRING SPACER |
| 0650 | 5413404AAFS | 1 | MOUNT |
| 0660 | 5413498 | 1 | CHUTE, RUBBER DISCHARGE CHUTE (5104441) |
| 0670 | 5413401AYP | 1 | SUPPORT |
| 0680 | 5025146X12YP | 2 | BOLT, 3/8-16 X 1-1/2 |
| 0690 | 5025394SM | 4 | NUT, 3/8-16 HEX NYLOCK |
| 0700 | 703350 | 8 | WASHER |
| 0710 | 703448 | 2 | BOLT, 3/8-16X.75 G5 |
| 0720 | 5022308SM | 6 | BODY CLIP, 5/16-18 X |
| 0730 | 84006929 | 1 | PLATE, BASE |

52" Mower Deck - Pulleys, Belt, and Idler Arm

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



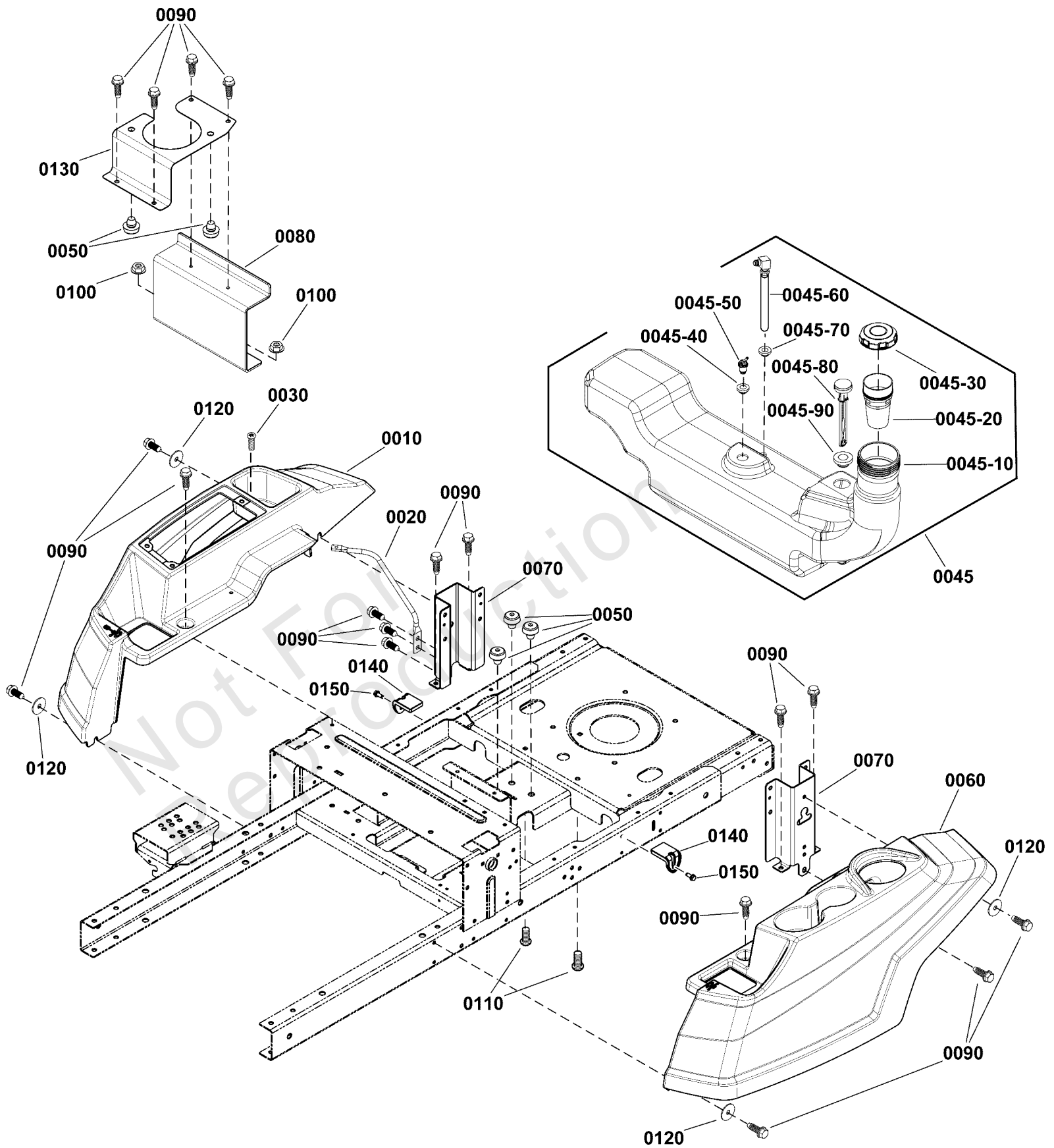
52" Mower Deck - Pulleys, Belt, and Idler Arm

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|------------|-----|--|
| 0010 | 5025017X36 | 1 | BOLT, 1/2-13 X 4-1/2" GD5 YZ |
| 0020 | 5023340 | 1 | SPRING-EXT, 1.04 ODX10.535LGX.148WR, BLK |
| 0040 | 5021541 | 2 | BUSHING, FLANGE |
| 0050 | 5104717 | 2 | PULLEY, FLT IDLR, 6.0 X 1.0 X .50, CZ |
| 0060 | 5025128 | 1 | NUT, 3/8-16 Hex Large Serrated Flange |
| 0070 | 5025394 | 5 | NUT, 3/8 - 16 HEX NYLOCK FLANGE |
| 0080 | ----- | 3 | WASHER, Flat |
| 0090 | 5025017X28 | 2 | BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV) |
| 0100 | 80098314 | 1 | BELT, B SECT, 149.92 EFL - ARAMID |
| 0120 | ----- | 1 | WELDMENT, Idler Arm, 52" |
| 0125 | 5020095 | 1 | GREASE FITTING, 1/4-28 Straight |
| 0130 | 5103430 | 2 | IDLER MOUNT |
| 0140 | 5104716 | 1 | PULLEY,IDLER,BACKSIDE,NOSEAM 6.25ODX.5ID |
| 0150 | 5045022 | 1 | SPACER, .52 x 1.00 x 3.50 |
| 0160 | 1736539 | 4 | SHOULDER BOLT, 3/8-16 x 3.41" .750 Thread Yellow |
| 0170 | 1736896 | 4 | GAUGE WHEEL, Black Poly 5" Dia. |
| 0175 | 5101162 | 1 | SPACER, .52 X 1.00 X .56, PM, CZ |
| 0180 | 5104482 | 3 | SPACER, .52 X 1.00 X .50, CZ |
| 0185 | 720035 | 4 | WASHER, Spring, .30" ID |
| 0210 | 5025332 | 1 | NUT, 1/2-13 Hex Side Lock |
| 0230 | 5025429 | 1 | EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C |
| 0240 | 1737409 | 1 | BOLT, Shoulder, 2-9/16 Long |
| 0250 | 5045178 | 1 | SPACER, .52 X 1.00 X .75, CZ |
| 0260 | 5025396 | 5 | NUT, Hex Flange, Nylock, 1/2-13 |
| 0270 | 80003590 | 4 | WASHER,.516IDX.875ODX.06,FLAT,ZC/CL |
| 0300 | 80004282 | 1 | WASHER,1.017IDX1.812ODX0.6THK,FLAT,ZC/CL |
| 0310 | 5025017X16 | 1 | BOLT, 1/2-13 X 2" GD5 CZ |
| 0320 | 5025017X24 | 1 | BOLT, 1/2-13 X 3" GD5 CZ |
| 0330 | 80004285 | 1 | SCREW,RDHD SH SQ NK 5/16 X 2.25, ZC/CL |
| 0340 | 1713588 | 1 | SPACER, 5/16 ID x 1 Long |
| 0350 | ----- | 1 | NUT 5/16-18 HEX FLNG CNTR LCK ZC/CL |

Body & Fuel Tank Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Body & Fuel Tank Group

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|------------|-----|--|
| 0010 | 84008779 | 1 | FENDER, Right |
| 0020 | 1759369YP | 1 | ROD, Support |
| 0030 | 7090999FS | 1 | SCREW |
| 0045 | 84004694 | 1 | FUEL TANK ASSEMBLY -(Includes item Nos. 0045-10 thru 0045-90) |
| 0045-10 | ----- | 1 | TANK, Fuel -(Order item 0045) |
| 0045-20 | ----- | 1 | NECK, Fuel Filter -(Order item 0045) |
| 0045-30 | 1758314YP | 1 | CAP-FUEL TANK |
| 0045-40 | 799624 | 1 | GROMMET |
| 0045-50 | 770046 | 1 | REMOTE VENT ASSEMBLY |
| 0045-60 | 1758927YP | 1 | TUBE-PICK UP |
| 0045-70 | 1726400FS | 1 | BUSHING |
| 0045-80 | 1758928YP | 1 | GAUGE-FUEL |
| 0045-90 | 84004692 | 1 | GROMMET |
| 0050 | 197546GS | 5 | MOUNT-VIBRATION |
| 0060 | 1758076YP | 1 | FENDER-LEFT |
| 0070 | 84007754 | 2 | SUPPORT, Fender |
| 0080 | 84002196 | 1 | BRACKET |
| 0090 | 5022308SM | 18 | BODY CLIP, 5/16-18 X |
| 0100 | 5025394SM | 2 | NUT, 3/8-16 HEX NYLOCK |
| 0110 | 704038 | 2 | SCREW |
| 0120 | 1960044SM | 4 | WASHER-0.312(0.33IDX1 |
| 0130 | 1759140AYP | 1 | STRAP-FUEL TANK |
| 0140 | 84002197 | 2 | SUPPORT, FUEL TANK |
| 0150 | 703054 | 2 | SCREW, 1/4-20X0.625 |



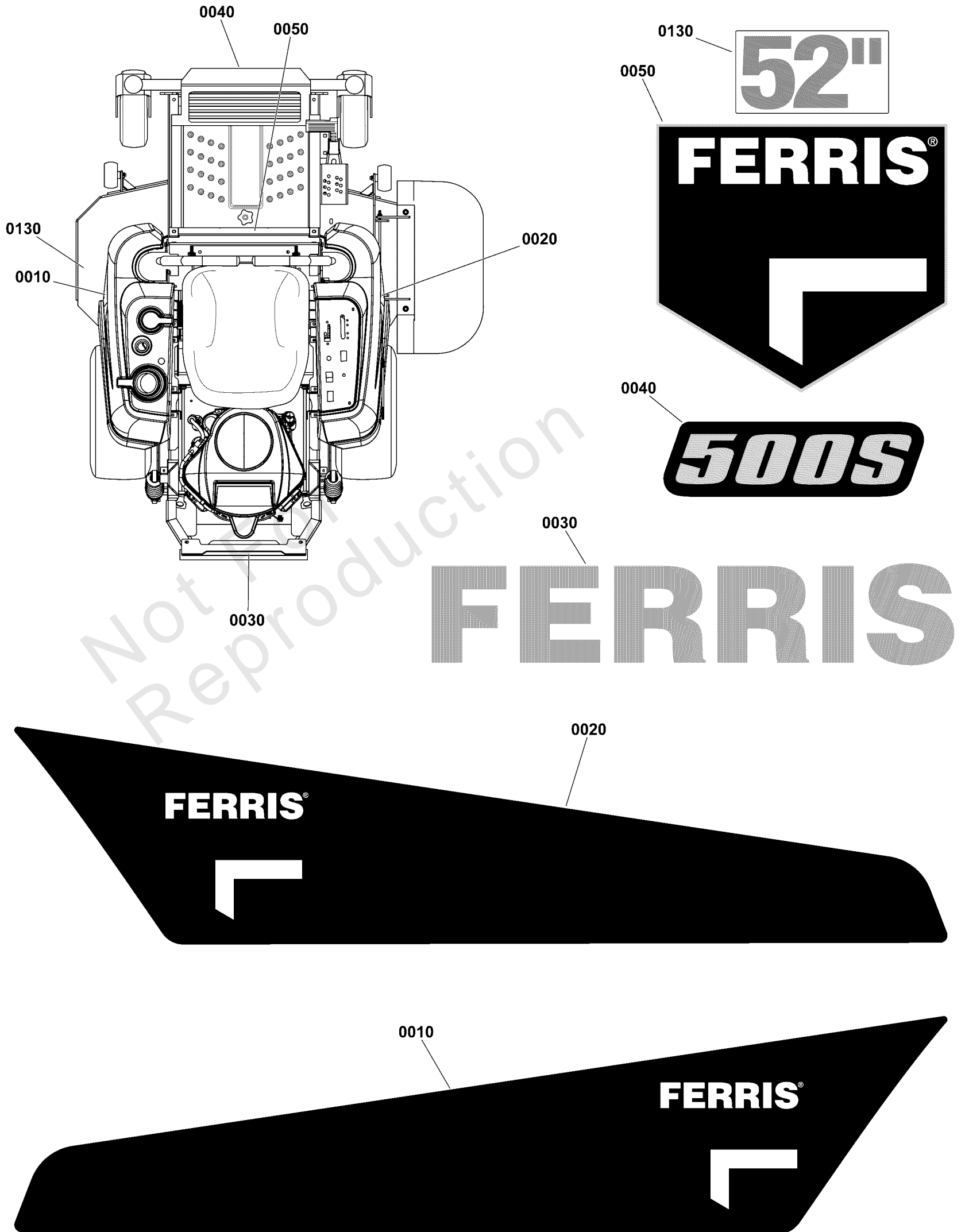
Controls Group

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|-----------|-----|--|
| 0010 | 1758372 | 2 | HANDLE, CONTROL W/ GRIP |
| 0020 | 5025392 | 4 | NUT, 5/16-18 HEX NYLOCK FLANGE NUT |
| 0030 | 80004473 | 4 | BOLT,5/16-18X1.000,ROUND HD CRRG,ZC/CL |
| 0040 | 1757965 | 2 | ARM, UPPER CONTROL |
| 0050 | 80012294 | 2 | BOLT,SHLDR,5/16-18X.375DIA,GR5,ZINC/CLEA |
| 0060 | 1757964 | 2 | ARM, LOWER CONTROL |
| 0070 | 2176440 | 4 | BUSHING-0.765ID 0.885OD 0.877LG NYLON |
| 0080 | 80005404 | 10 | SCREW,5/16-18X0.625,WSHR,THD-ROLL,ZC/CL |
| 0090 | 1758087AA | 2 | BRKT, INNER CONTROL PIVOT |
| 0100 | 5022308 | 2 | BODY CLIP, 5/16-18-7GA MATERIAL |
| 0110 | 1758373 | 2 | KNOB, 5/16-18 X 2.50" STUD |
| 0120 | 1650347 | 2 | SPRING-COMP 0.50 IDX 02.328LG .063WIRE D |
| 0130 | 5025211 | 4 | PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ |
| 0140 | 1758463 | 2 | ROD, DAMPNER MNT |
| 0150 | 5105587 | 2 | DAMPENER, 18MM X 70MM |
| 0160 | 1759182 | 2 | LATCH, CONTROL ARM |
| 0170 | 80003579 | 4 | BOLT,1/4-20X.75,GR5,RH SH SQ NK,ZNC/CLR |
| 0180 | 5025391 | 4 | NUT, 1/4-20 Hex Nylock Flange |
| 0190 | 80012410 | 2 | WASHER, 3 WAVE, .750" ID |
| 0200 | 5025057 | 2 | NUT, Hex, Nylon Locking, 5/16-18 |

Decal Group - Brand and Model

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Decal Group - Brand and Model

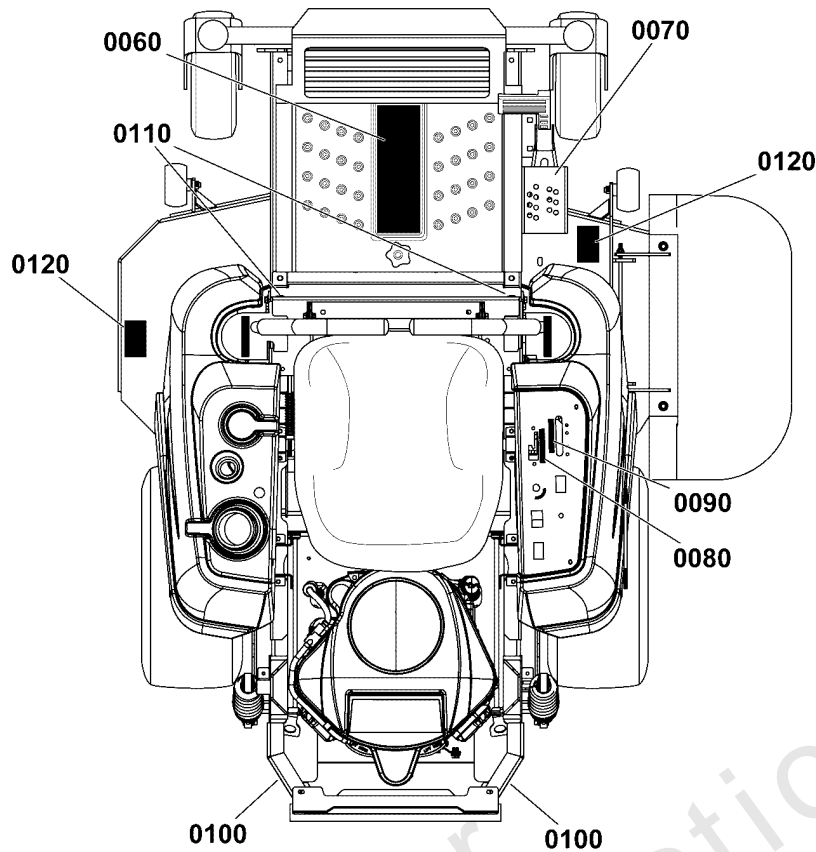
| REF NO | PART NO | QTY | DESCRIPTION |
|--------|------------|-----|--------------|
| 0010 | 80106105FS | 1 | DECAL, BRAND |
| 0020 | 80106106FS | 1 | DECAL, BRAND |
| 0030 | 80106081FS | 1 | DECAL, BRAND |
| 0040 | 80106107FS | 1 | DECAL, Model |
| 0050 | 5104724FS | 1 | DECAL, BRAND |
| 0130 | 5022812SM | 1 | DECAL, 52 |

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Decal Group - Safety and Operation

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



⚠ DANGER

Amputation hazard
Rotating blades cut off arms and legs.

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

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

- Do not operate on slopes over 10 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.

Water, retaining walls and drop-off hazards
Wheels dropping over edges may result in serious injury, death or drowning.

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

⚠ WARNING

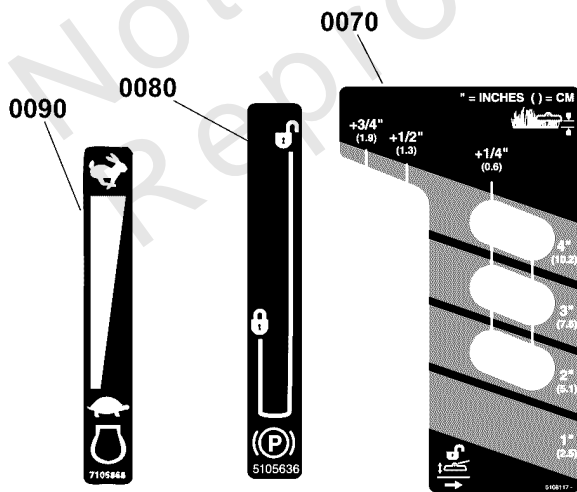
Fire hazard
Gasoline is flammable. Yard debris is combustible.

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

Avoid serious injury or death
Read the 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 blade(s) and engine are stopped before placing hands or feet near blade(s).
- When leaving machine, shut off, remove key, and set parking brake.

CAN ICES-2/NMB-2 510664-A



⚠ 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.

7101666

0150

HYDRAULIC OIL

USE SAE 20W-50 MOTOR OIL

5100957

0140

Belts & Blades

| Tractor | |
|-------------------|----------|
| Pump Drive Belt | 80103769 |
| 48" Mower | |
| Deck Drive Belt | 80105246 |
| Mower Blade (Set) | 1759056S |
| 52" Mower | |
| Deck Drive Belt | 80098314 |
| Mower Blade (Set) | 1756152S |
| 61" Mower | |
| Deck Drive Belt | 80093909 |
| Mower Blade (Set) | 5104045S |

8010600 B

0160

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

CAN ICES-2/NMB-2

510286 B

0100

1 STOP

2 STOP

1 STOP

2 STOP

1759466

Decal Group - Safety and Operation

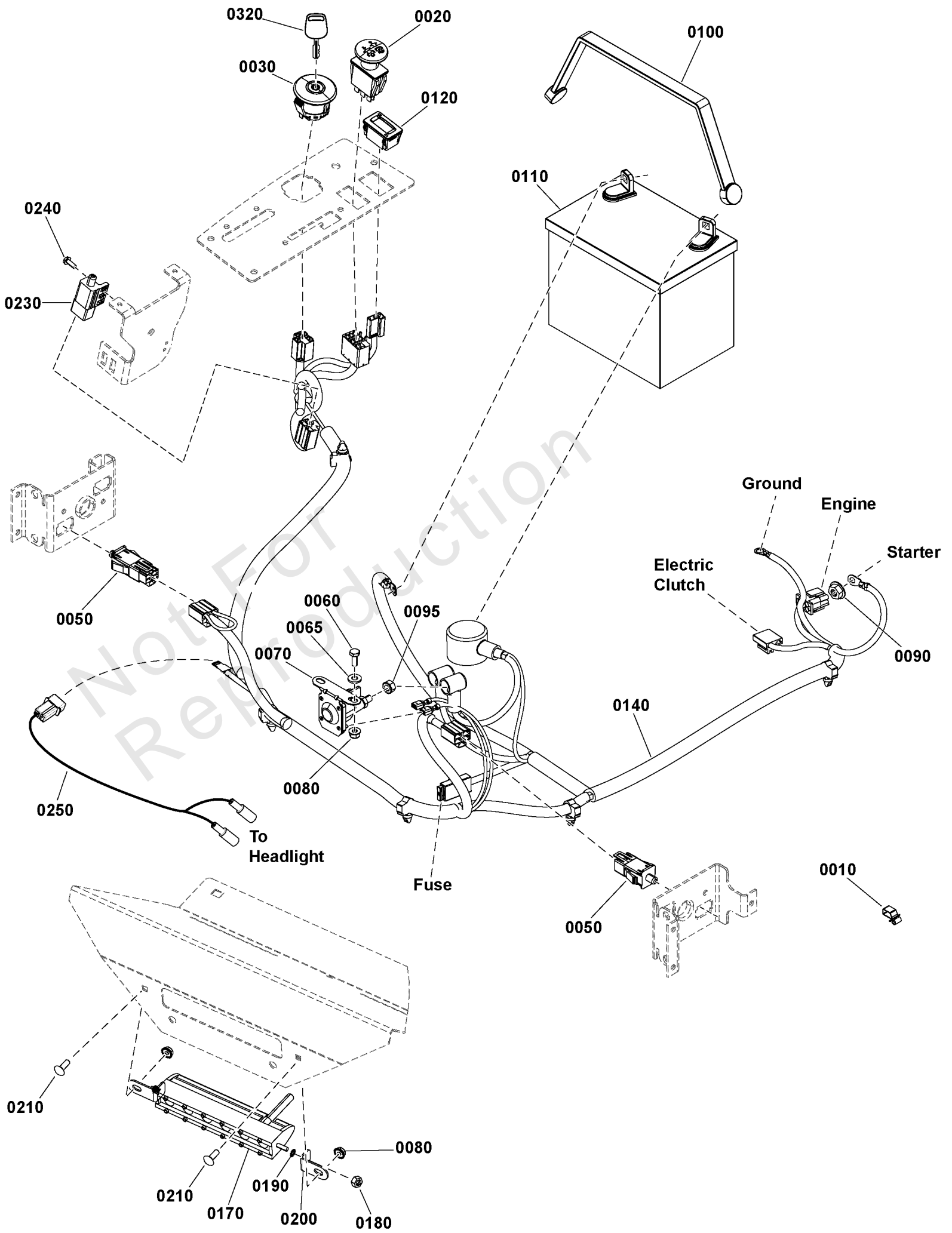
| REF NO | PART NO | QTY | DESCRIPTION |
|--------|----------|-----|---|
| 0060 | 84007898 | 1 | DECAL, Main Safety |
| 0070 | 5108117 | 1 | DECAL, CUTTING HEIGHT |
| 0080 | 5105636 | 1 | DECAL, OPERATION, PARK BRAKE |
| 0090 | 7105868 | 1 | DECAL, ENGINE SPEED - NO CHOKE |
| 0100 | 1759466 | 2 | DECAL, TOW VALVE RELEASE (SUSP) |
| 0110 | 1759724 | 2 | DECAL, TRACKING ADJUSTMENT - ZT |
| 0120 | 84007896 | 2 | DECAL, Danger, Cut Hand/Foot |
| 0140 | 80106630 | 1 | DECAL, FERRIS SERVICE, 48"/52"/61" ZT -(Located on the bottom of seat plate.) |
| 0150 | 5100957 | 1 | DECAL, HYDRAULIC OIL, SAE 20W50 -(Located on the bottom of seat plate.) |
| 0160 | 5104269 | 1 | DECAL, SPANISH MANUAL, IGES, C-TICK -(Located on left frame rail near front of fuel tank.) |

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Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Electrical Group

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|-----------|-----|--|
| 0010 | 2172434SM | 3 | CLIP- WIRE DIA .390 |
| 0020 | 1722887SM | 1 | SWITCH-PTO PUSH |
| 0030 | 7106169YP | 1 | SWITCH, IGNITION, DEL |
| 0050 | 7022886YP | 2 | SWITCH, DP NO/NC SNAP |
| 0060 | 703338 | 2 | BOLT,1/4-20X5/8 |
| 0065 | 84007033 | 2 | WASHER |
| 0070 | 1755381YP | 1 | SOLENOID, L-BRACKET |
| 0080 | 5025391FS | 4 | NUT |
| 0090 | 703061 | 1 | NUT, HEX KEPS, 1/4-20 |
| 0095 | 2860750SM | 2 | NUT-HEX KEPS 5/16-24 |
| 0100 | 1722009SM | 1 | STRAP, Rubber, 13" |
| 0110 | ----- | 1 | BATTERY, 12 VOLT, 230 CCA |
| 0120 | 1731185SM | 1 | METER-HOUR DIGITAL NO |
| 0140 | 84006894 | 1 | HARNESS, WIRING -(Includes item # 0140-10.) |
| 0140-10 | 5021603SM | 1 | FUSE, ATO, 20 AMP -(Not illustrated.) |
| 0170 | 84006903 | 1 | HEADLIGHT ASSEMBLY |
| 0180 | 84007034 | 2 | NUT, Hex, M5X.8MM, Nylon Insert |
| 0190 | 84007035 | 2 | WASHER, 5MM, Star |
| 0200 | 84007036 | 2 | BRACKET, L Headlight Mount |
| 0210 | 703575 | 2 | BOLT, 1/4-20X.750, SQ |
| 0230 | 1717050SM | 1 | SWITCH-PUSH BUTT |
| 0240 | 704060 | 2 | SCREW,HEX, #10-24X.5 |
| 0250 | 84006895 | 1 | HARNESS, Headlight Jumper |
| 0320 | 7106170FS | 1 | BLISTER PACK, KEY NO MOW & FOB |

Electrical Schematic - Charging Circuit - B&S 44C777 & 44T977

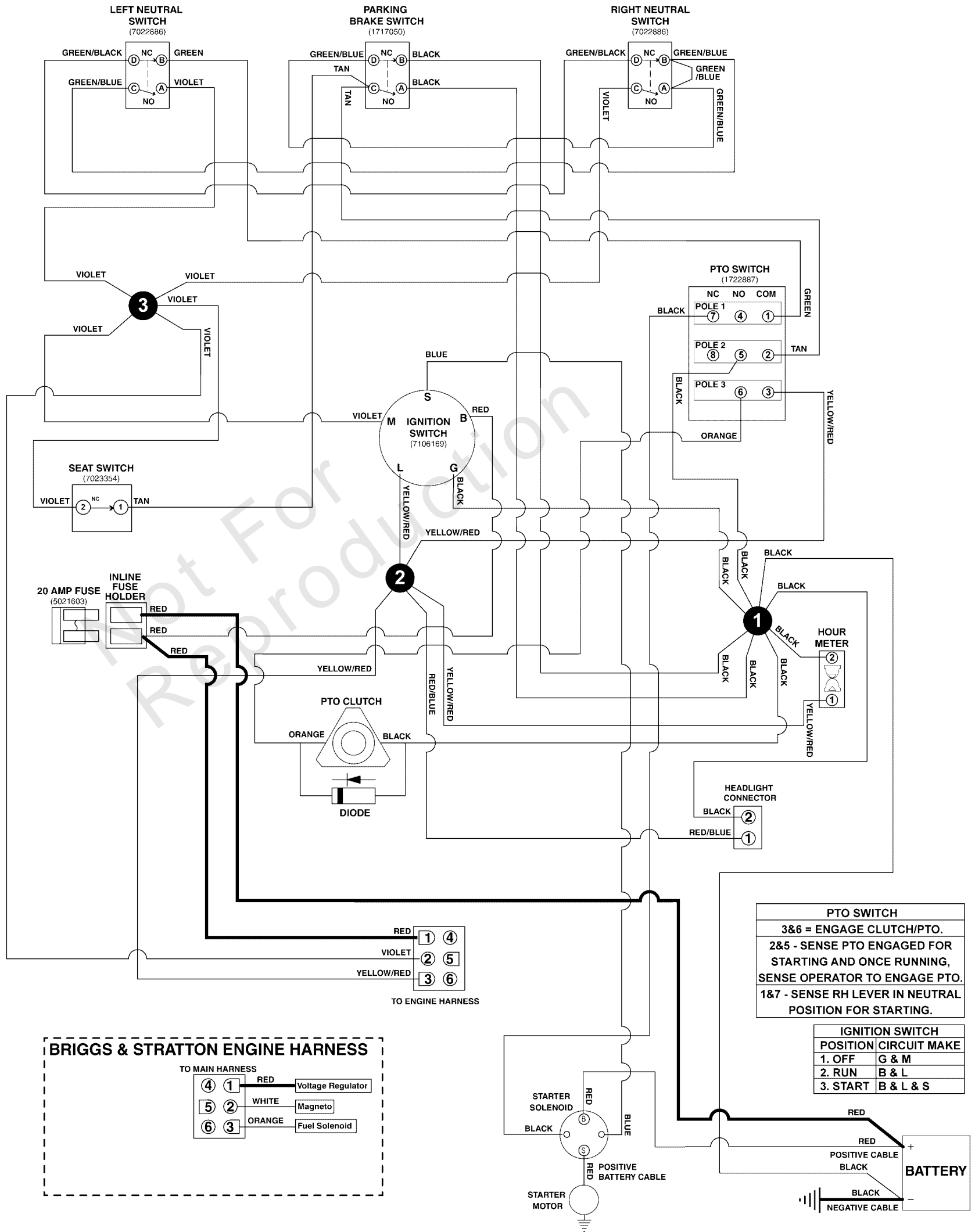
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052

80097605 MAIN WIRE HARNESS - BRIGGS & STRATTON 44C777 & 44T977 ENGINES

80097605A

(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 44C777 & 44T977

| REF NO | PART NO | QTY | DESCRIPTION |
|----------|-----------|-----|-----------------------|
| 80097605 | 84006894 | 1 | HARNESS, WIRING |
| 7022886 | 7022886YP | 2 | SWITCH, DP NO/NC SNAP |
| 1717050 | 1717050SM | 1 | SWITCH-PUSH BUTT |
| 1722887 | 1722887SM | 1 | SWITCH-PTO PUSH |
| 7106169 | 7106169YP | 1 | SWITCH, IGNITION, DEL |
| 7023354 | 7023354YP | 1 | SWITCH, SEAT |
| 5021603 | 5021603SM | 1 | FUSE, ATO, 20 AMP |

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Electrical Schematic - Cranking Circuit - B&S 44C777 & 44T977

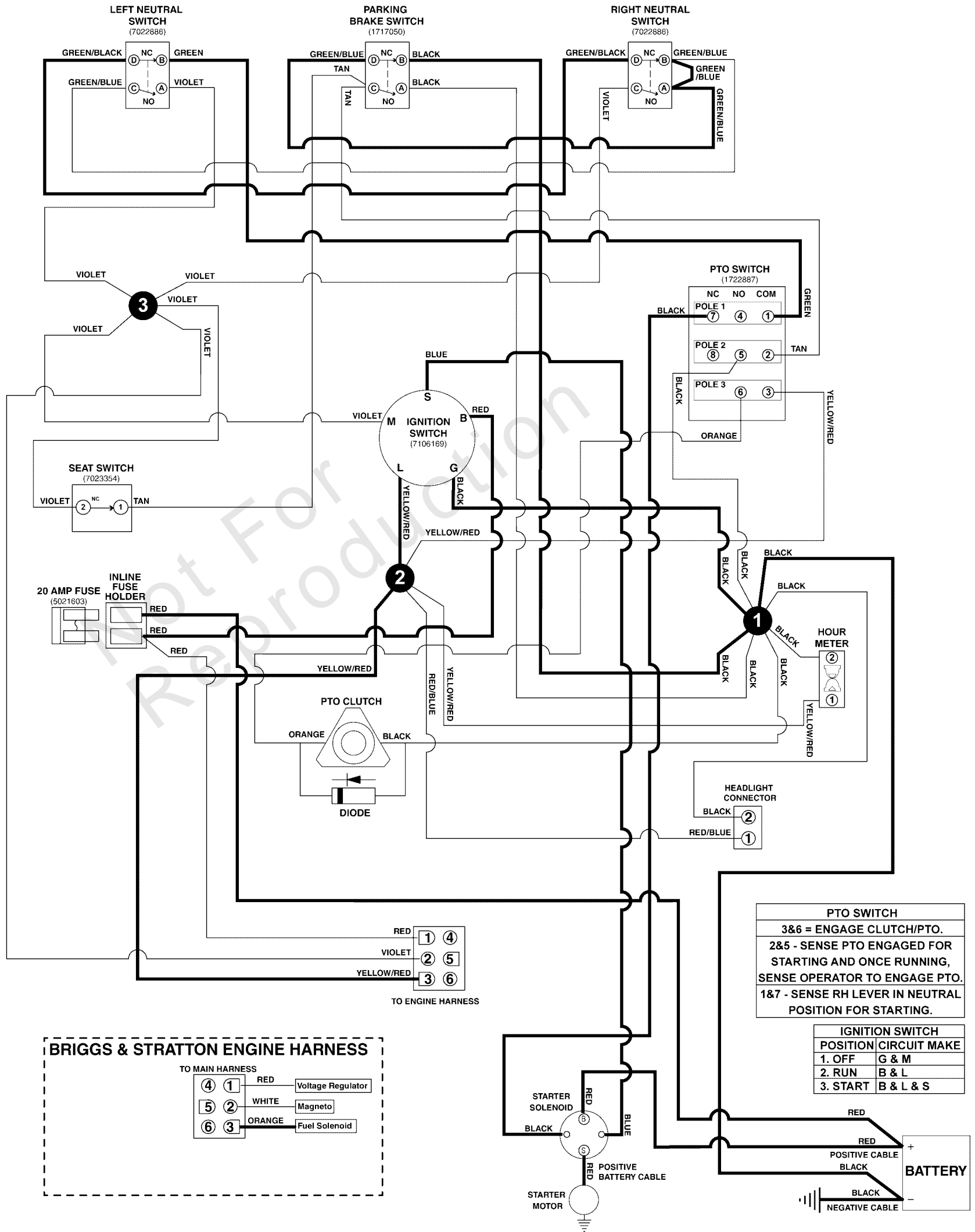
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Mfg. No: 5902052

80097605 MAIN WIRE HARNESS - BRIGGS & STRATTON 44C777 & 44T977 ENGINES

80097605A

(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 44C777 & 44T977

| REF NO | PART NO | QTY | DESCRIPTION |
|----------|-----------|-----|-----------------------|
| 80097605 | 84006894 | 1 | HARNES, WIRING |
| 7022886 | 7022886YP | 2 | SWITCH, DP NO/NC SNAP |
| 1717050 | 1717050SM | 1 | SWITCH-PUSH BUTT |
| 1722887 | 1722887SM | 1 | SWITCH-PTO PUSH |
| 7106169 | 7106169YP | 1 | SWITCH, IGNITION, DEL |
| 7023354 | 7023354YP | 1 | SWITCH, SEAT |
| 5021603 | 5021603SM | 1 | FUSE, ATO, 20 AMP |

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Electrical Schematic - Ignition Grounding Circuit/Op. Pres. - B&S 44C777 & 44T977

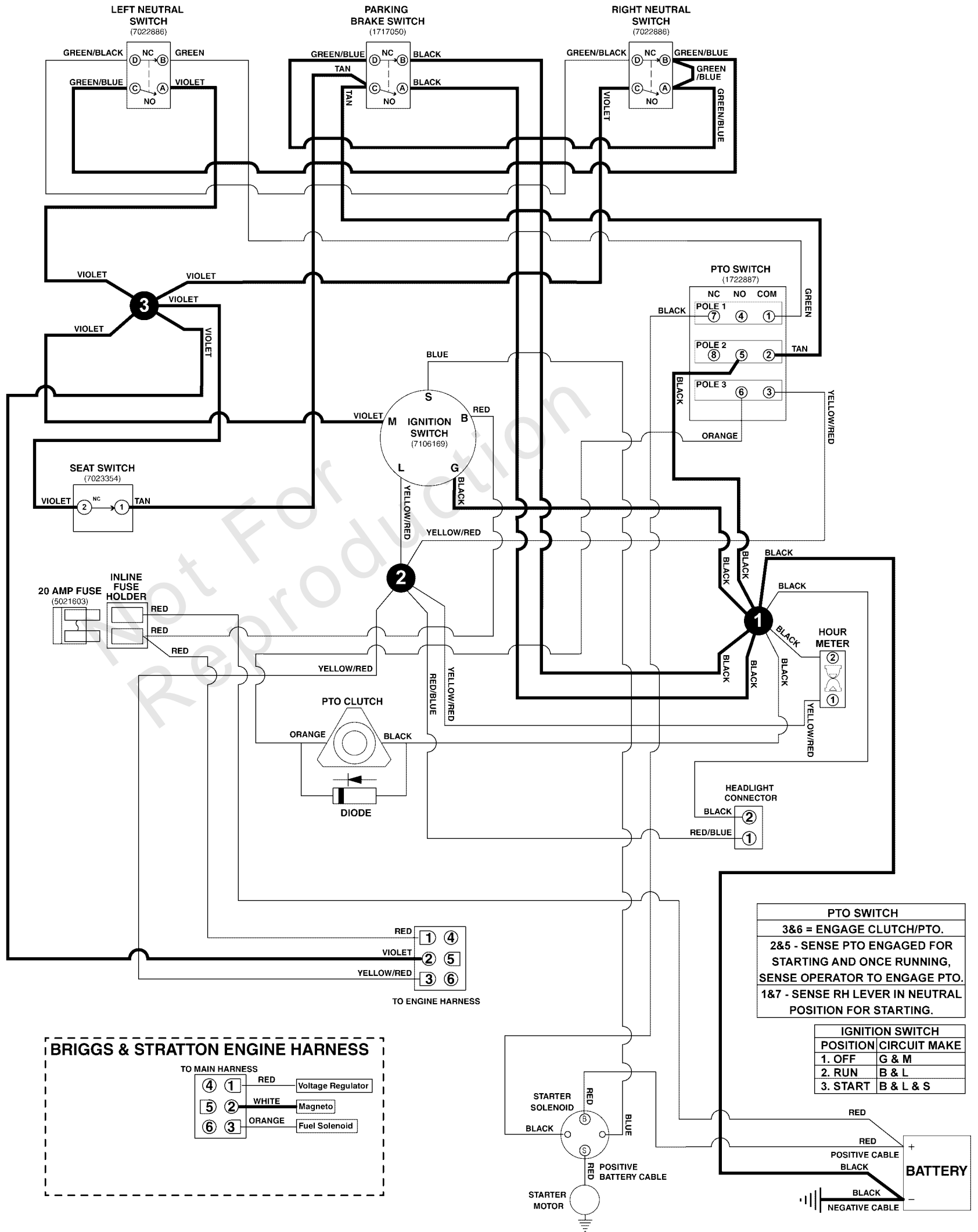
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Mfg. No: 5902052

80097605 MAIN WIRE HARNESS - BRIGGS & STRATTON 44C777 & 44T977 ENGINES

80097605A

(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 - Ignition Grounding Circuit/Op. Pres. - B&S 44C777 & 44T977

| REF NO | PART NO | QTY | DESCRIPTION |
|----------|-----------|-----|-----------------------|
| 80097605 | 84006894 | 1 | HARNESS, WIRING |
| 7022886 | 7022886YP | 2 | SWITCH, DP NO/NC SNAP |
| 1717050 | 1717050SM | 1 | SWITCH-PUSH BUTT |
| 1722887 | 1722887SM | 1 | SWITCH-PTO PUSH |
| 7106169 | 7106169YP | 1 | SWITCH, IGNITION, DEL |
| 7023354 | 7023354YP | 1 | SWITCH, SEAT |
| 5021603 | 5021603SM | 1 | FUSE, ATO, 20 AMP |

Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - B&S 44C777 & 44T977

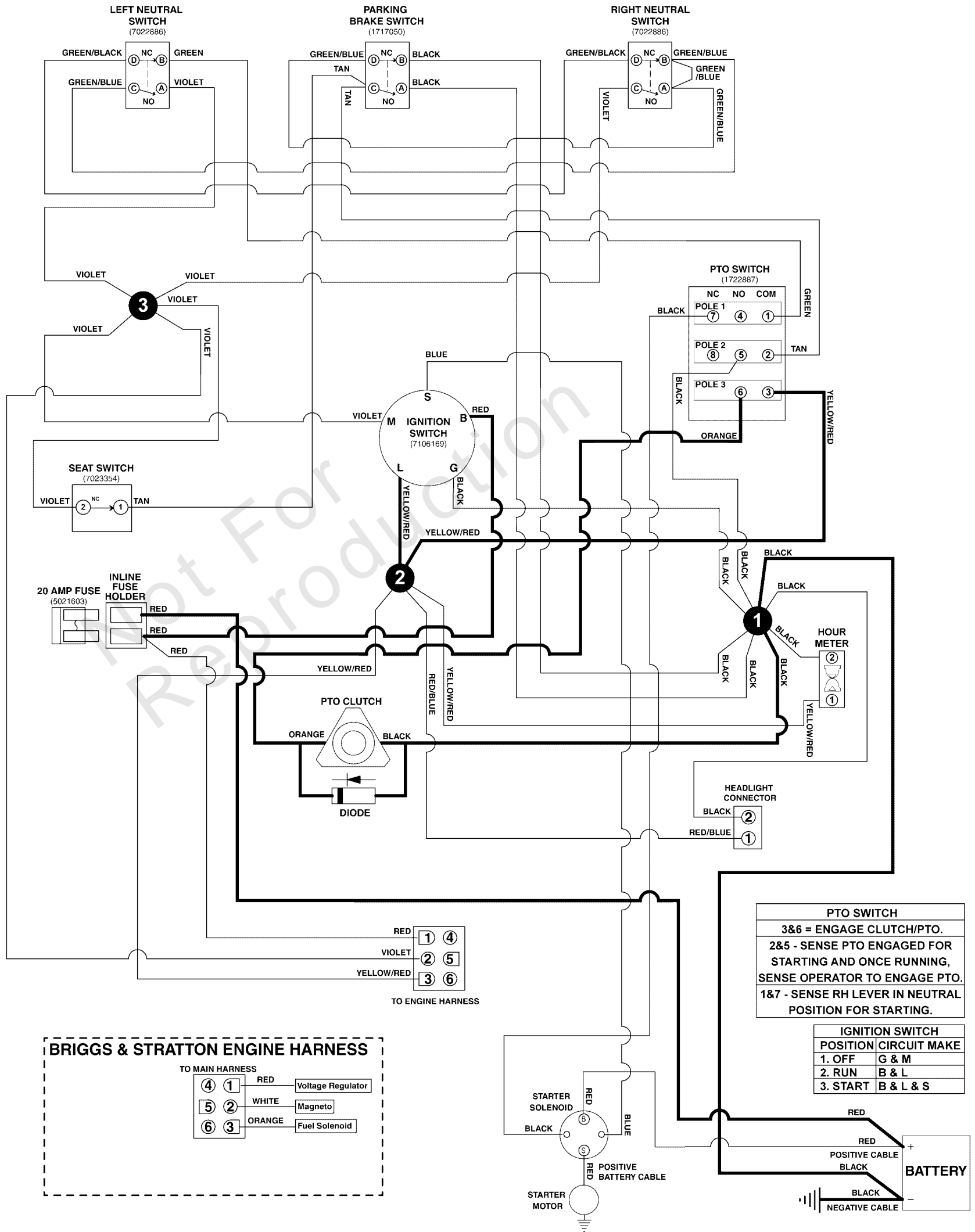
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80097605 MAIN WIRE HARNESS - BRIGGS & STRATTON 44C777 & 44T977 ENGINES

80097605A

(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 44C777 & 44T977

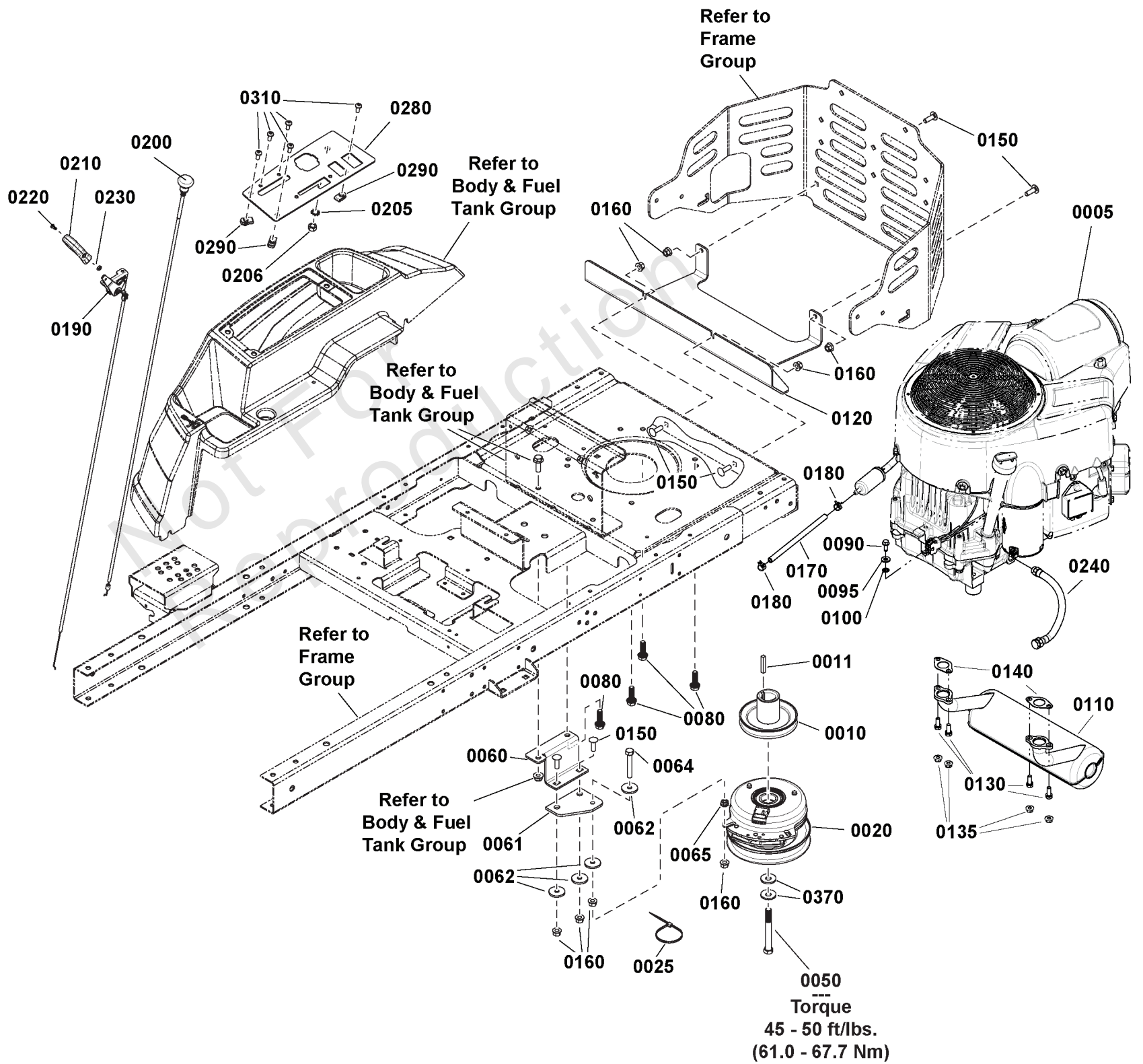
| REF NO | PART NO | QTY | DESCRIPTION |
|----------|-----------|-----|-----------------------|
| 80097605 | 84006894 | 1 | HARNESS, WIRING |
| 7022886 | 7022886YP | 2 | SWITCH, DP NO/NC SNAP |
| 1717050 | 1717050SM | 1 | SWITCH-PUSH BUTT |
| 1722887 | 1722887SM | 1 | SWITCH-PTO PUSH |
| 7106169 | 7106169YP | 1 | SWITCH, IGNITION, DEL |
| 7023354 | 7023354YP | 1 | SWITCH, SEAT |
| 5021603 | 5021603SM | 1 | FUSE, ATO, 20 AMP |

Not For Reproduction

Engine and PTO Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052

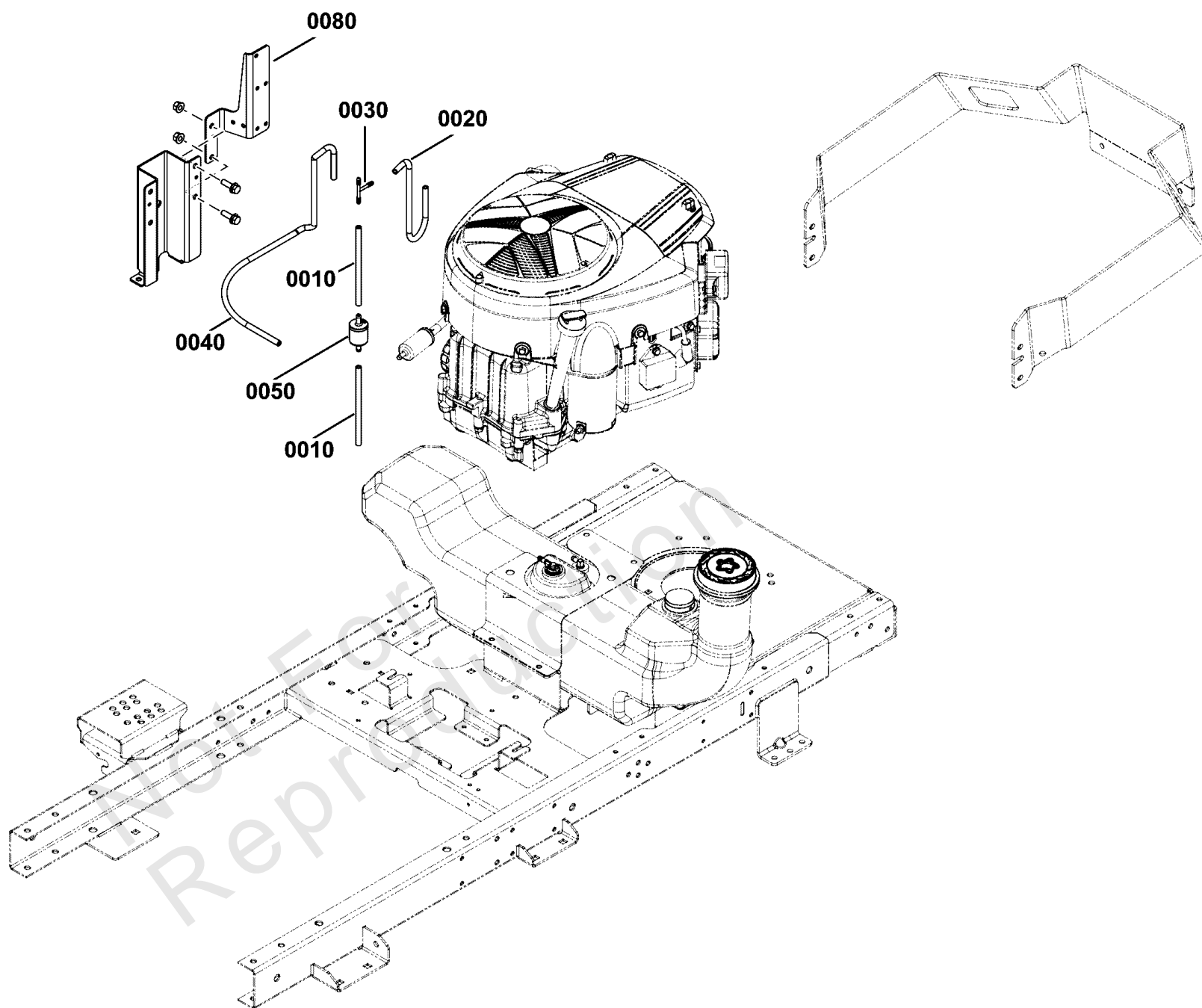


Engine and PTO Group

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|----------------|-----|---|
| 0005 | 44T977-0005-G1 | 1 | * ENGINE, 25HP B&S COMM TURF, 1-1/8 X 4.29 -(Engine Model: 44T777-0005-G1) |
| 0010 | 80098036 | 1 | PULLEY, CRANKSHAFT |
| 0011 | 5022726 | 1 | KEY 1/4 SQ X 1 1/2 LONG |
| 0020 | 80093964 | 1 | CLUTCH, WARNER, 125 FT-LB, 1.13" X 6.324 |
| 0025 | 5021030 | 1 | TIE, SELF-LOCKING, 6" |
| 0050 | 5102868 | 1 | BOLT, CRANKSHAFT, 7/16-20 X 3-3/4, GD8 |
| 0060 | 80093428AA | 1 | BRKT, CLUTCH ANCHOR (BLACK) |
| 0061 | 80093429 | 1 | PAD, CLUTCH ANCHOR |
| 0062 | 5044617 | 4 | WASHER, .34 X 1.25 X 10 GA |
| 0064 | 5025055X18 | 1 | BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ |
| 0065 | 5025127 | 1 | NUT, 5/16-18 HEX SERRATED FLANGE (SMALL) |
| 0080 | 80020381 | 4 | SCREW-HEX WSHR HD TAPTT 3/8-16X1.250, ZC |
| 0090 | 80004190 | 1 | SCREW, Hex Washer Head, Thread Roll, 1/4-20 x 5/8 |
| 0095 | 5025154 | 1 | WASHER, 1/4 SAE |
| 0100 | 1921880 | 1 | LOCKWASHER, External Tooth, 1/4 |
| 0110 | 84008807 | 1 | MUFFLER ASSEMBLY |
| 0120 | 80096582AA | 1 | SHIELD, HEAT (BLACK) |
| 0130 | 94480 | 4 | SCREW |
| 0135 | 810086 | 4 | NUT |
| 0140 | 273485 | 2 | GASKET, EXHAUST |
| 0150 | 80004565 | 6 | BOLT, 5/16-18X1.000, SHORT NECK CRRG, ZC/CL |
| 0160 | 5025392 | 8 | NUT, 5/16-18 HEX NYLOCK FLANGE NUT |
| 0170 | 5050831X11 | 1 | 1/4" Fuel Line, 11" Long |
| 0180 | 93807 | 2 | CLAMP, Hose |
| 0190 | 1759205 | 1 | CONTROL, THROTTLE-THROTTLE ONLY (40.0LG) |
| 0200 | 5100184 | 1 | CABLE, CHOKE CONTROL, 43.5" |
| 0205 | 80005209 | 1 | WSHR, 3/8EXT TOOTH LOCK, TYPE A, ZINC/CLR |
| 0206 | 80004865 | 1 | NUT, 3/8-24, HEX, GR 5, ZINC/CLEAR |
| 0210 | 1739312 | 1 | KNOB, Throttle |
| 0220 | 36917 | 1 | SCREW, Pan Head Machine - No. 8-32 x 3/8" |
| 0230 | 80004411 | 1 | NUT #8-32 HEX ZINC/CLEAR |
| 0240 | 1726498 | 1 | HOSE-OIL DRAIN .375ID 16.5L |
| 0280 | 80095386AA | 1 | PANEL, CONTROL (BLACK) |
| 0290 | 5022665 | 3 | BODY CLIP, 1/4-20 X 1/2" DEEP |
| 0310 | 7090999 | 5 | SCREW, 1/4-20 x 5/8" Pan Head Self-Tap (Torx) |
| 0370 | 5025585 | 2 | BELLEVILLE WASHER, 1.1875 X .442 X .098 |

Footnotes:

Note:* See your local Briggs & Stratton distributor for parts & service.



EVAP Group

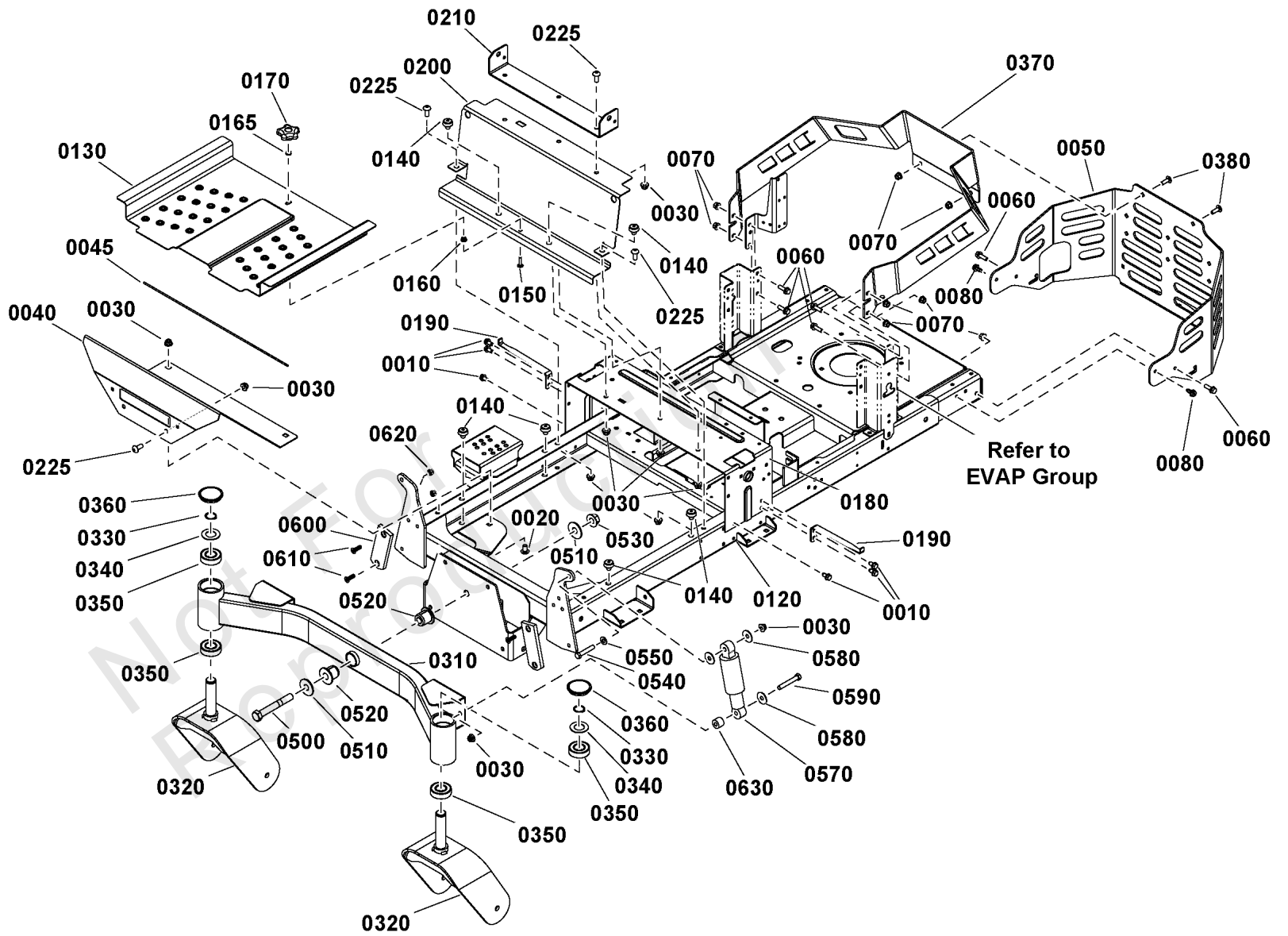
| REF NO | PART NO | QTY | DESCRIPTION |
|--------|------------|-----|---|
| 0010 | 7700552X6 | 2 | HOSE, Vapor, 5 MM ID, 6.00 LG |
| 0020 | 7700552X12 | 1 | HOSE, VAPOR, 5MM ID, 12.00 LG |
| 0030 | 5103062 | 1 | FITTING, 3/16" TEE, BARB TYPE, HDPE |
| 0040 | 7700552X26 | 1 | HOSE, VAPOR, 5MM ID, 26.00 LG |
| 0050 | 80025019 | 1 | FILTER, FUEL |
| 0070 | 5021030 | 5 | TIE, SELF-LOCKING, 6" -(Not Illustrated) |
| 0080 | 1760538A | 1 | BRACKET, Vent Hose Mount - BS Twin (BLK) |

Not For Reproduction

Frame, Pivoting Front Axle, Floor Pan, and Bumper Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



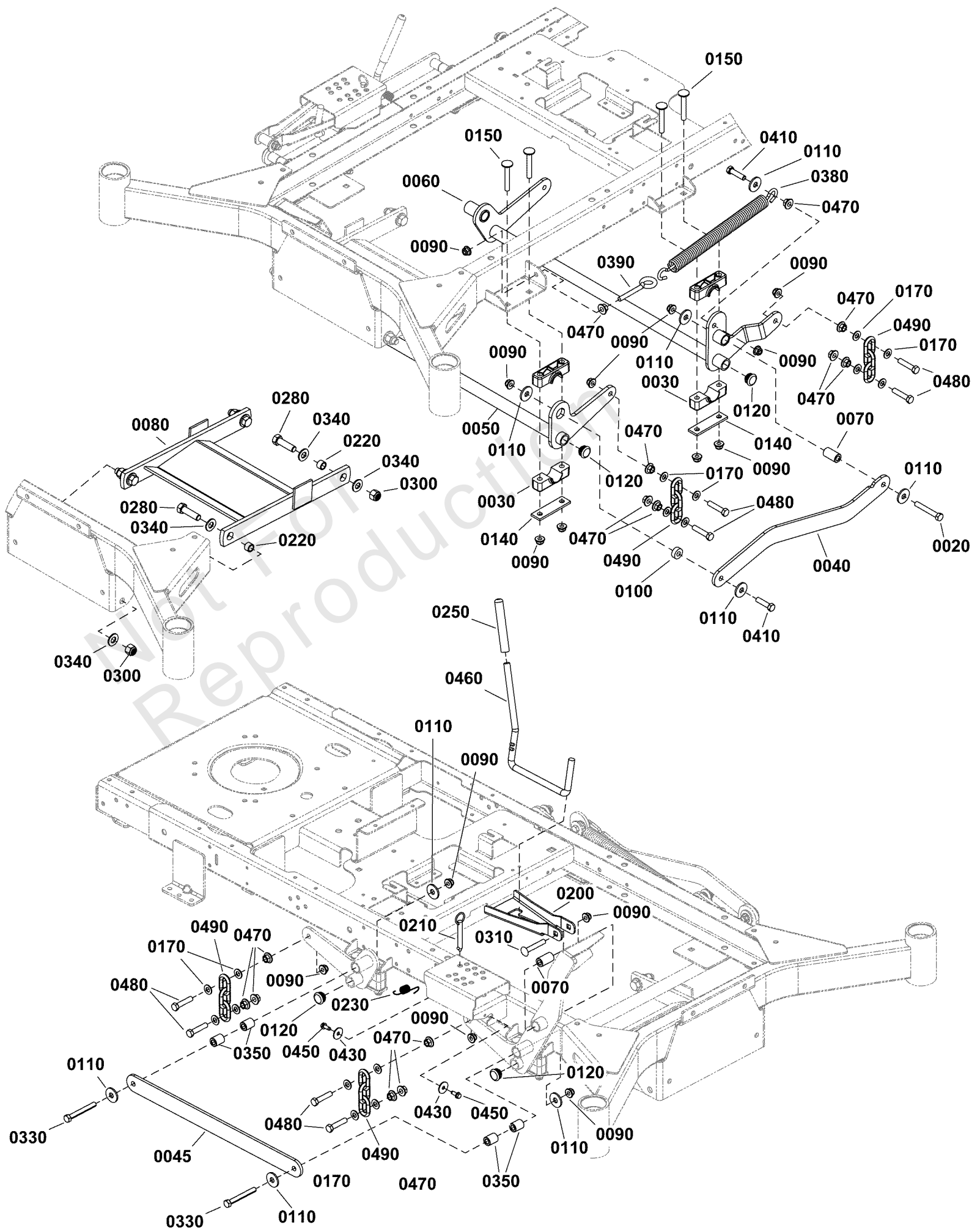
Frame, Pivoting Front Axle, Floor Pan, and Bumper Group

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|-------------|-----|---|
| 0010 | 703949 | 6 | SCREW, 5/16-18.625 |
| 0020 | 703448 | 2 | BOLT, 3/8-16X.75 G5 |
| 0030 | 5025394SM | 13 | NUT, 3/8-16 HEX NYLOCK |
| 0040 | 80096035BFS | 1 | FOOTREST, FRONT |
| 0045 | 5101011SM | 1 | SAFETY WALK, 8.00 X 1 |
| 0050 | 80104055BFS | 1 | BUMPER, REAR |
| 0060 | 703410 | 6 | BOLT,5/16-18X1 |
| 0070 | 703115 | 8 | NUT |
| 0080 | 703228 | 2 | SCREW, 5/16-18 X .75 |
| 0120 | ----- | 1 | WELDMENT, ZT XT FRAME-FULL SUSP(FER R) -(Not a serviceable part) |
| 0130 | 84009431 | 1 | FOOT PAN W/DECAL, 2019 (1757813B) -(USA Models) |
| 0130 | 5601199 | 1 | FOOT PAN W/DECAL, EXPORT 2019 (1757813B) -(AUS Models) |
| 0140 | 197546GS | 6 | MOUNT-VIBRATION |
| 0150 | 7090496YP | 1 | RHSSNB, 1/4C X1 GR5 Z |
| 0160 | 5025126FS | 1 | NUT |
| 0165 | 15X143MA | 1 | NUT,25-20 HEX FLG CTR |
| 0170 | 707785 | 1 | KNOB |
| 0180 | 80096436BFS | 1 | BRACKET, CONTROL |
| 0190 | 1758240AFS | 2 | SUPPORT, FENDER |
| 0200 | 1757796BYP | 1 | PLATE-DECAL |
| 0210 | 5416789BFS | 1 | PIVOT |
| 0225 | 84004627 | 7 | CAPSCREW |
| 0310 | 80096786BFS | 1 | PIVOT |
| 0320 | 84007952 | 2 | YOKE, Caster |
| 0330 | 703993 | 2 | RETAINER, EXT RING, 1 |
| 0340 | 703199 | 2 | WASHER, 1 |
| 0350 | 1758354YP | 4 | BEARING |
| 0360 | 5109884FS | 2 | CAP |
| 0370 | 80096896BFS | 1 | BRACKET |
| 0380 | 703800 | 2 | BOLT, CRRG, 5/16-18X1 |
| 0500 | 707789 | 1 | BOLT |
| 0510 | 1960035SM | 2 | WASHER-0.625(0.64IDX1 |
| 0520 | 1759234YP | 2 | BUSHING |
| 0530 | 84003031 | 1 | NUT |
| 0540 | 703589 | 2 | CAPSCREW, 3/8-16X2 |
| 0550 | 5025156FS | 2 | WASHER |
| 0570 | 1755279YP | 2 | SHOCK ABSORBER, 8IN |
| 0580 | 5025165SM | 6 | WASHER, 3/8" FENDER |
| 0590 | 84007037 | 2 | BOLT |
| 0600 | 1759391YP | 2 | PAD-FRICTION |
| 0610 | 5025594YP | 4 | SCREW, 5/16-18 X 1 |
| 0620 | 5025057FS | 4 | NUT |
| 0630 | 1667812SM | 2 | SPACER |

Lift Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



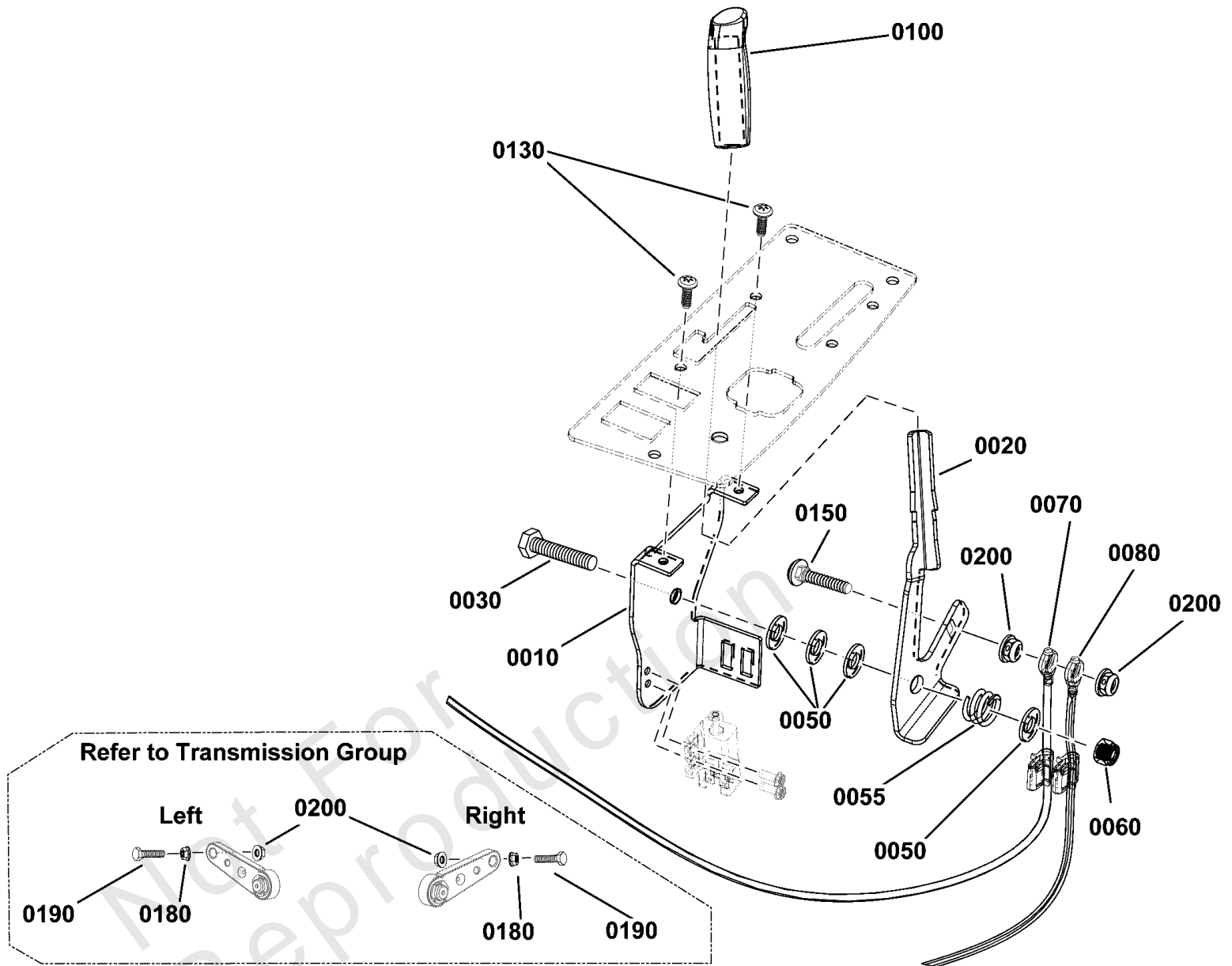
Lift Group

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|--------------|-----|--------------------------|
| 0020 | 84007037 | 1 | BOLT |
| 0030 | 5100634SM | 8 | PIVOT BLOCK, PLASTIC |
| 0040 | 84006925 | 1 | LINKAGE |
| 0045 | 84006926 | 1 | LINKAGE, Lift Assist, RH |
| 0050 | 84006914 | 1 | LIFTER |
| 0060 | 84006915 | 1 | SHAFT ASSEMBLY |
| 0070 | 1756612YP | 2 | BUSHING, DIFF. LOCK |
| 0080 | 84006928 | 1 | BAR, PULLER |
| 0090 | 5025394SM | 19 | NUT, 3/8-16 HEX NYLOCK |
| 0100 | 1667811SM | 1 | SPACER |
| 0110 | 1919384SM | 9 | WASHER-0.375(0.44IDX1 |
| 0120 | 84007871 | 4 | PLUG |
| 0140 | 5403925AAFS | 4 | PIVOT |
| 0150 | 1960615SM | 8 | BOLT-RD HD SQ NK 3/8 |
| 0170 | 5025156FS | 16 | WASHER |
| 0200 | 1758284AYP | 1 | BRACKET |
| 0210 | 5103021YP | 1 | HITCH PIN, 3/8 X 2-1/ |
| 0220 | 5020870SM | 4 | INSERT, BEARING |
| 0230 | 1758283YP | 1 | SPRING, EXTENSION |
| 0250 | 5021880SM | 1 | GRIP, FOAM |
| 0280 | 5025018X14FS | 4 | BOLT |
| 0300 | 5025098SM | 4 | NUT, 1/2-20 HEX NYLON |
| 0310 | 7900009SM | 1 | RHSSNB, 3/8-16 X 2-1/ |
| 0330 | 5025013X24SM | 2 | BOLT, 3/8-16 X 3" GD5 |
| 0340 | 5025158SM | 8 | WASHER, 1/2" SAE |
| 0350 | 1733068SM | 4 | SPACER-0.390IDX0.750O |
| 0380 | 5023355SM | 1 | SPRING, DECK LIFT ASS |
| 0390 | 5025429SM | 1 | EYEBOLT - 3/8-16 |
| 0410 | 703406 | 2 | CAPSCREW,3/8-16X1.5 |
| 0430 | 5025288YP | 2 | WASHER, 1/4 FENDER |
| 0450 | 703054 | 2 | SCREW, 1/4-20X0.625 |
| 0460 | 5105717YP | 1 | ROD |
| 0470 | 5025128SM | 14 | NUT, 3/8-16 HEX SERRA |
| 0480 | 5025013X14SM | 8 | BOLT, 3/8-16 X 1-3/4" |
| 0490 | 5050878X3SM | 4 | CHAIN, 5/16" GD30, 3 |

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Parking Brake Group

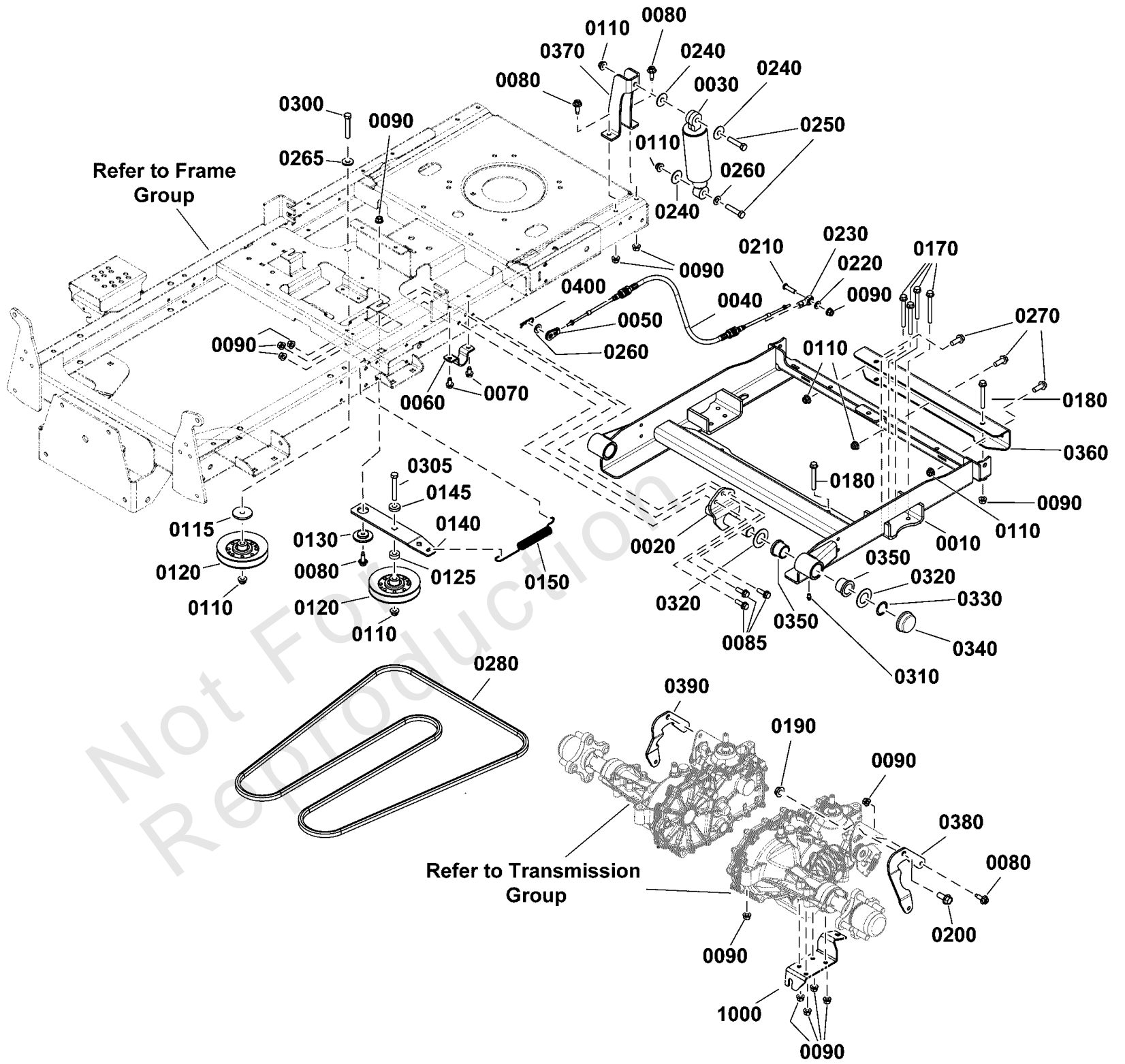
| REF NO | PART NO | QTY | DESCRIPTION |
|--------|--------------|-----|---|
| 0010 | 84006916 | 1 | BRACKET |
| 0020 | 84006917 | 1 | LEVER |
| 0030 | 703589 | 1 | CAPSCREW, 3/8-16X2 |
| 0050 | 703878 | 4 | WASHER, FLAT |
| 0055 | 7028036YP | 1 | SPRING |
| 0060 | 5025096SM | 1 | NUT, 3/8-16 HEX NYLON |
| 0070 | 84006918 | 1 | CABLE, BRAKE |
| 0080 | 84006919 | 1 | CABLE, BRAKE |
| 0100 | 84001706 | 1 | GRIP |
| 0130 | 7090999FS | 2 | SCREW |
| 0140 | 703586 | 3 | TIE, SELF LOCKING -(Not Illustrated) |
| 0150 | 703175 | 1 | BOLT, RD SH SQ |
| 0180 | 5025127SM | 2 | NUT, 5/16-18 HEX SERR |
| 0190 | 5025055X12SM | 2 | BOLT, 5/16-18 X 1-1/2 |
| 0200 | 703115 | 4 | NUT |

Not For Reproduction

Rear Suspension Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Rear Suspension Group

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|--------------|-----|---|
| 0010 | 80092995BFS | 1 | CARRIER |
| 0020 | 1758716BYP | 2 | ARM-LINK |
| 0030 | 1758705YP | 2 | SHOCK ABSORBER, 10.5" -(Refer to Note:*) |
| 0040 | 1759206YP | 2 | CABLE, Push/Pull |
| 0050 | 1759413YP | 2 | END-CABLE |
| 0060 | 1720147BZYP | 2 | STRAP, 1 IN. DIA |
| 0070 | 703949 | 4 | SCREW, 5/16-18.625 |
| 0080 | 1960667SM | 7 | SCREW-HEX WZ LOCK FLN |
| 0085 | 703410 | 6 | BOLT,5/16-18X1 |
| 0090 | 703115 | 27 | NUT |
| 0110 | 5025394SM | 9 | NUT, 3/8-16 HEX NYLOCK |
| 0115 | 706128 | 1 | SPACER, IDLER |
| 0120 | 1759212YP | 2 | PULLEY |
| 0125 | 1667811SM | 1 | SPACER |
| 0130 | 1727935SM | 1 | SPACER-PIVOT 0.330ID |
| 0140 | 1761878AYP | 1 | ARM, IDLER |
| 0145 | 5044960SM | 1 | SPACER, .39 X 1.00 X |
| 0150 | 1758045YP | 1 | SPRING-EXTENSION |
| 0170 | 707943 | 8 | SCREW |
| 0180 | 770083 | 4 | SCREW |
| 0190 | 1930650SM | 2 | NUT-HEX FLANGE 7/16-1 |
| 0200 | 1960043SM | 2 | SCREW-HEX WZ LOCK FLN |
| 0210 | 703172 | 2 | SCREW |
| 0220 | 703350 | 4 | WASHER |
| 0230 | 5101801YP | 2 | JOINT-BALL |
| 0240 | 5025165SM | 6 | WASHER, 3/8" FENDER |
| 0250 | 5025013X14SM | 4 | BOLT, 3/8-16 X 1-3/4" |
| 0260 | 5025156FS | 4 | WASHER |
| 0265 | 704128 | 1 | WASHER |
| 0270 | 704038 | 3 | SCREW |
| 0280 | 84006991 | 1 | V-BELT |
| 0300 | 5025013X18SM | 1 | BOLT, 3/8-16 X 2-1/4" |
| 0305 | 84007037 | 1 | BOLT |
| 0310 | 703907 | 2 | ZERK, FITTING, 1/4 |
| 0320 | 703199 | 4 | WASHER, 1 |
| 0330 | 703200 | 2 | PUSHNUT |
| 0340 | 094618MA | 2 | HUB CAP |
| 0350 | 1758717YP | 4 | BUSHING |
| 0360 | 1759163BYP | 1 | SUPPORT-TRANSAXLE |
| 0370 | 1758778BYP | 2 | MOUNT |
| 0380 | 1759021AYP | 1 | ARM |
| 0390 | 1759022AYP | 1 | ARM |
| 0400 | 7091503SM | 2 | HAIR PIN, 3/32X1-1/2 |
| 1000 | ----- | 1 | Refer to: Transmission Group - Suspension |

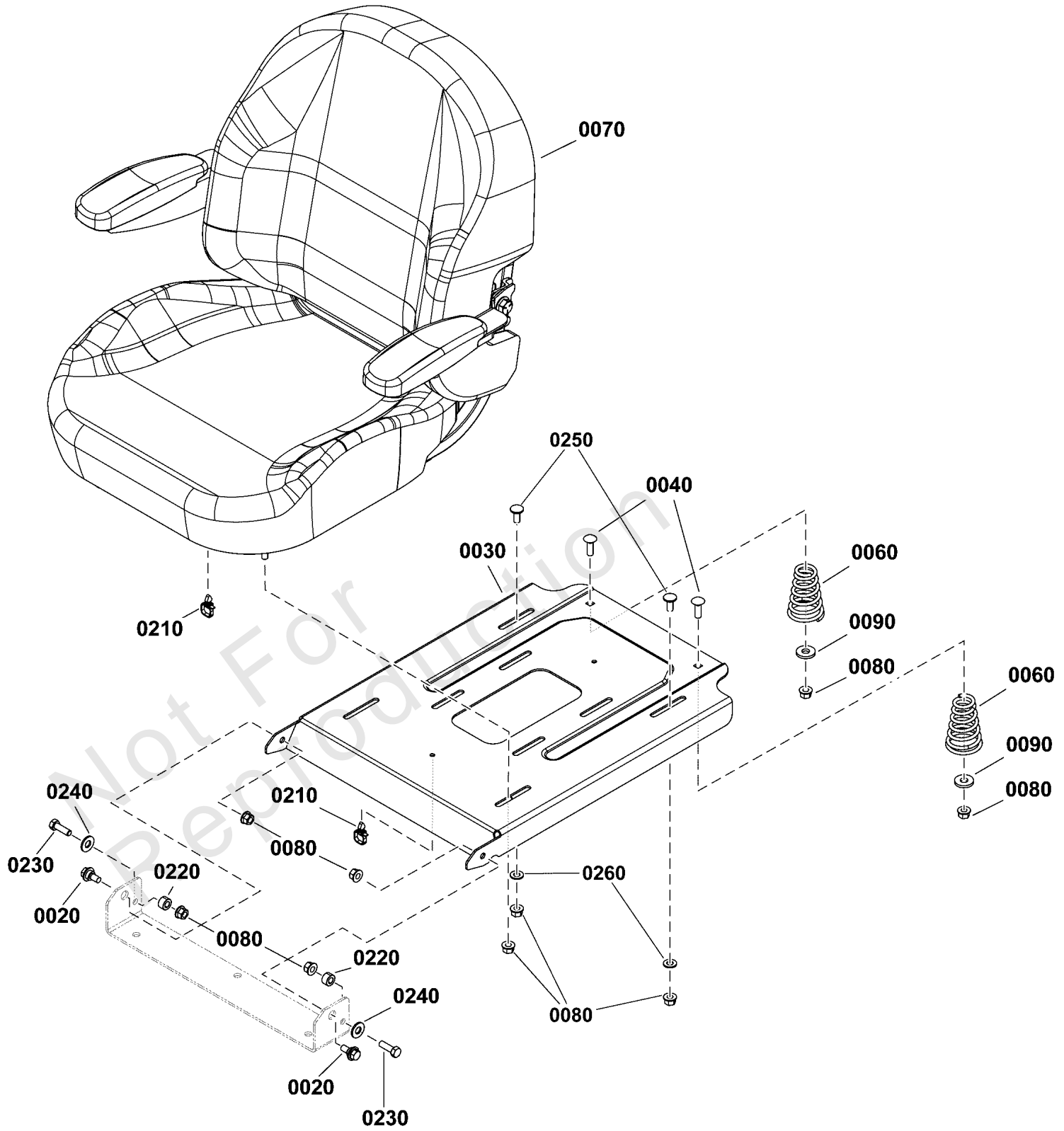
Footnotes:

Note:* Spring Rate 160lbs / 59.7kg +/- 10lbs / 3.7kg

Seat Group - S/N: 4002363335 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



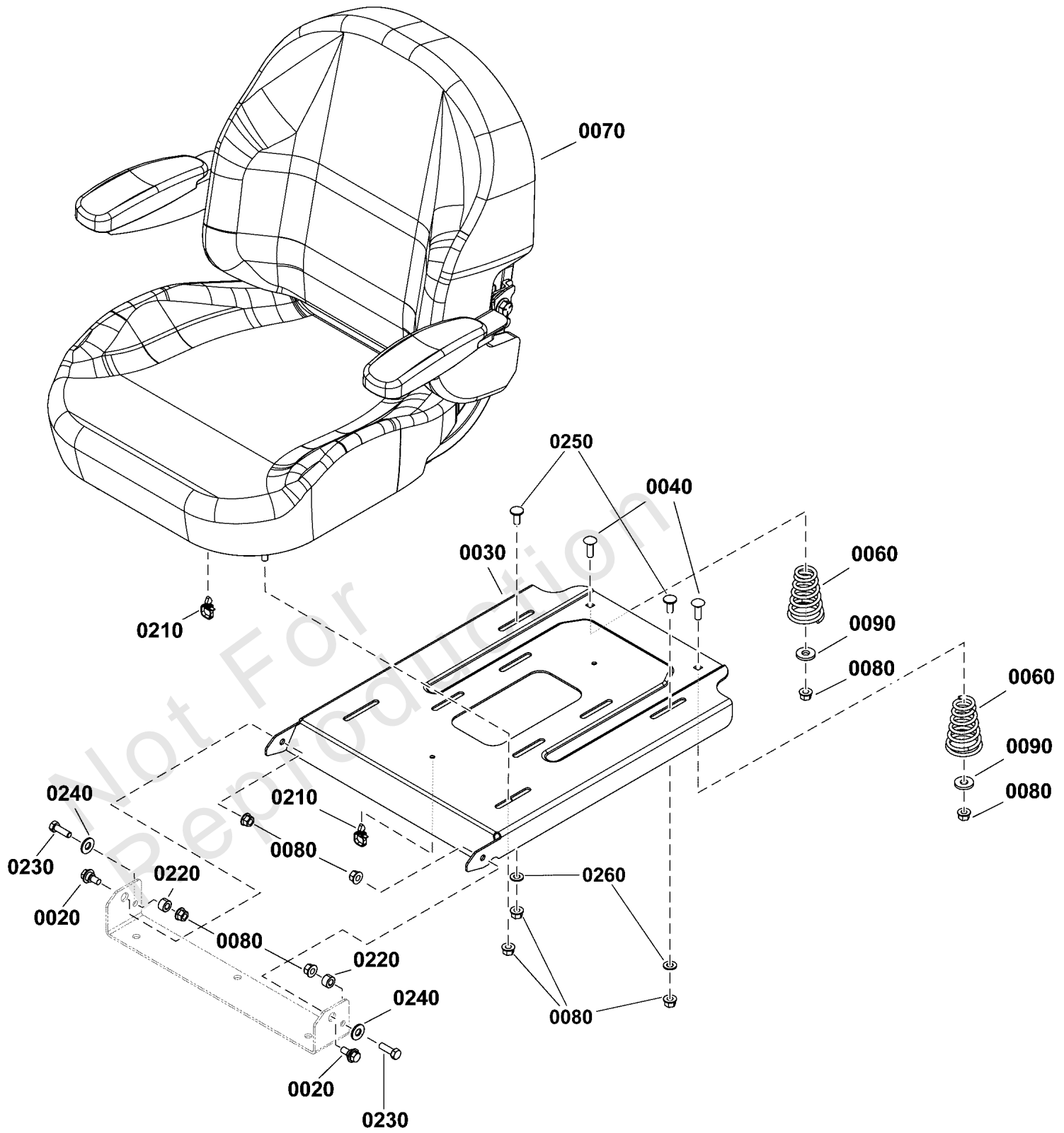
Seat Group - S/N: 4002363335 and Below

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|-------------|-----|---|
| 0020 | 1752802YP | 2 | BOLT, SHLDR, 5/16-18 |
| 0030 | 84001620 | 1 | SLIDE, SEAT |
| 0040 | 703483 | 2 | BOLT,5/16-18X1.000,RO |
| 0060 | 1717051SM | 2 | SPRING, Seat |
| 0070 | 84006921 | 1 | SEAT |
| 0070-10 | 84006998 | 1 | COVER, Cushion, Snapper -(Not illustrated) |
| 0070-20 | 84007000 | 1 | COVER, Back, Snapper -(Not illustrated) |
| 0080 | 703115 | 12 | NUT |
| 0090 | 704128 | 2 | WASHER |
| 0210 | 80014989 | 2 | CABLE TIE, 8, PUSH-MOUNT (.250 HOLE) |
| 0220 | 5103767YP | 2 | SPACER, .33X.625X.360 |
| 0230 | 5025011X8FS | 2 | BOLT |
| 0240 | 703878 | 2 | WASHER, FLAT |
| 0250 | 703350 | 2 | WASHER |
| 0260 | 703185 | 2 | BOLT, Round Head, Short Square Neck |

Seat Group - S/N: 4002363336 and Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Seat Group - S/N: 4002363336 and Above

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|-------------|-----|--|
| 0020 | 1752802YP | 2 | BOLT, SHLDR, 5/16-18 |
| 0030 | 84001620 | 1 | SLIDE, SEAT |
| 0040 | 703483 | 2 | BOLT,5/16-18X1.000,RO |
| 0060 | 1717051SM | 2 | SPRING, Seat |
| 0070 | 84010950 | 1 | SEAT ASSEMBLY w/Arm Rests |
| 0070-10 | 84011194 | 1 | CUSHION, Seat -(Not illustrated) |
| 0070-20 | 84011193 | 1 | COVER, Seat Back -(Not illustrated) |
| 0070-30 | 84011192 | 1 | KIT, Armrest -(Not illustrated) |
| 0070-40 | 84011191 | 1 | TRACKS, Seat Adjustment -(Not illustrated) |
| 0070-50 | 7023354YP | 1 | SWITCH, SEAT -(Not illustrated)(Bolt-in) |
| 0070-60 | 5100541YP | 1 | SWITCH, NC, W/ TWIST-IN BASE -(Not illustrated)(Twist in) |
| 0080 | 703115 | 12 | NUT |
| 0090 | 704128 | 2 | WASHER |
| 0210 | 80014989 | 2 | CABLE TIE, 8, PUSH-MOUNT (.250 HOLE) |
| 0220 | 5103767YP | 2 | SPACER, .33X.625X.360 |
| 0230 | 5025011X8FS | 2 | BOLT |
| 0240 | 703878 | 2 | WASHER, FLAT |
| 0250 | 703350 | 2 | WASHER |
| 0260 | 703185 | 2 | BOLT, Round Head, Short Square Neck |

Transaxle Service Parts - 84008004 & 84007997

Note: Unless noted otherwise, use the standard torque specifications

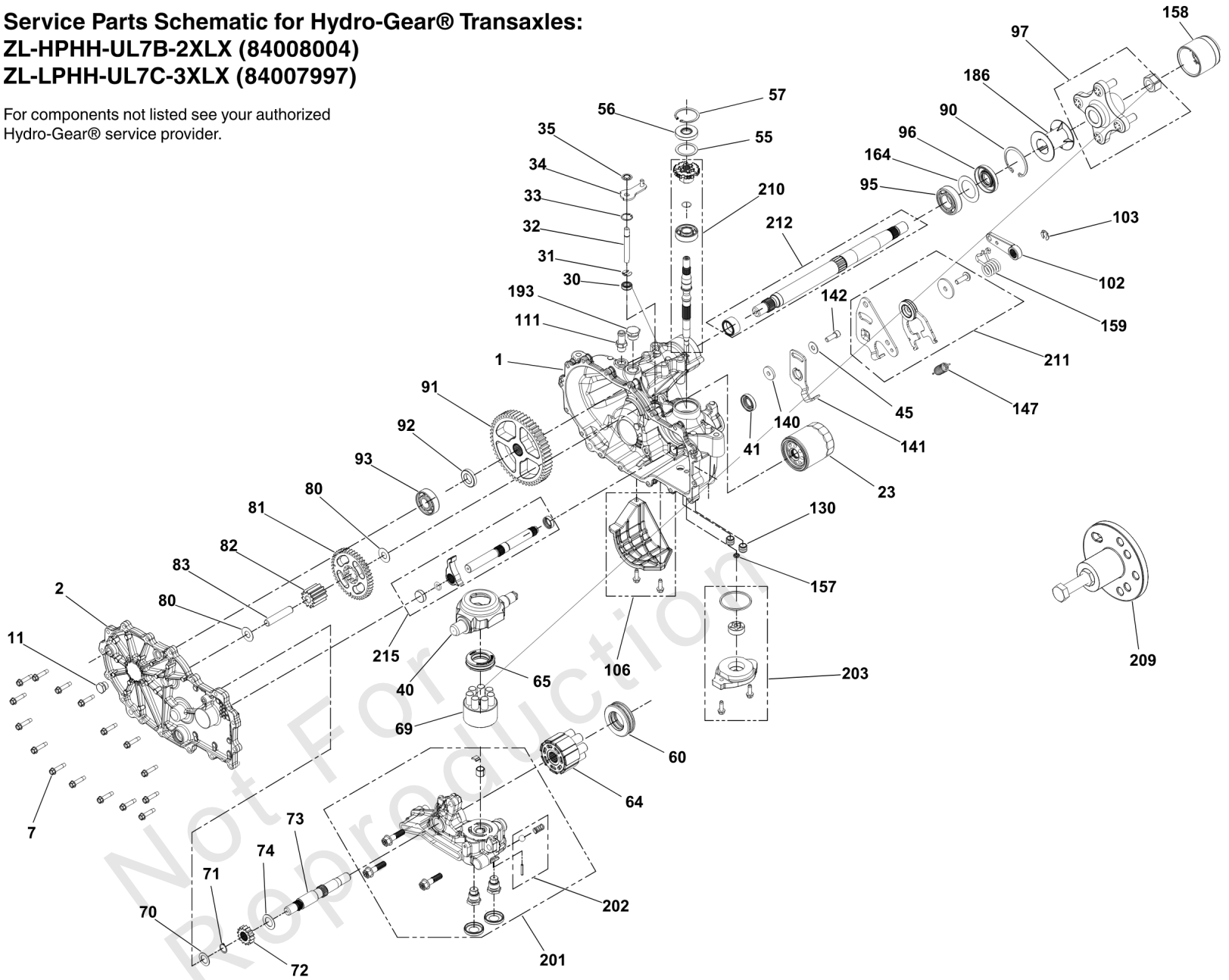
Mfg. No: 5902052

Service Parts Schematic for Hydro-Gear® Transaxles:

ZL-HPHH-UL7B-2XLX (84008004)

ZL-LPHH-UL7C-3XLX (84007997)

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



Transaxle Service Parts - 84008004 & 84007997

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|-------------|-----|---|
| 1 | ---- | 1 | KIT, HOUSING, MAIN, LH, CHRG, CNTL |
| 2 | ---- | 1 | KIT, SIDE COVER, LH |
| 7 | ---- | 16 | SCREW, HEX WASHER |
| 11 | ---- | 1 | PLUG EXTERNAL HEX VENT 9/16-18 |
| 13 | ---- | 1 | TUBE, SEALANT |
| 23 | 5101026X1 | 1 | FILTER, OIL, ZT2800 |
| 30 | 84003137 | 1 | SEAL, Lip |
| 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 | 5101026X2SM | 1 | SEAL, LIP |
| 45 | ---- | 1 | WASHER, .34X.88X.06 |
| 55 | 1730272SM | 1 | SPACER |
| 56 | ---- | 1 | SEAL, LIP 17 40 7 HNBR |
| 57 | 5101026X4SM | 1 | RING, RET 2.06 INT, |
| 60 | ---- | 1 | BEARING, THRUST 35 x 62 x 18 |
| 64 | ---- | 1 | KIT, 16cc CYLINDER BLOCK ASSEMBLY STEAM TREAT |
| 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 | 1706130 | 1 | RING-SNAP (44145) |
| 72 | ---- | 1 | GEAR, 14T (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, 45T |
| 82 | ---- | 1 | GEAR, 11T (STEEL) |
| 83 | ---- | 1 | PIN, JACKSHAFT |
| 90 | 5101026X17 | 1 | RING, RETAINING 2.25 INTERNAL (50859) |
| 91 | ---- | 1 | GEAR, 54T |
| 92 | ---- | 1 | SPACER, .750 X 1.320 X .257 |
| 93 | 5104822X1 | 1 | KIT, BEARING, ZT-3400, 72749 |
| 95 | 5101026X5SM | 1 | BEARING, BALL, 1.0 X 52 X 15 OPEN 6205M |
| 96 | 5103589X1 | 1 | KIT, SEAL, AXLE - HG# 53699 |
| 97 | 5103382 | 1 | HUB, ASM, TRANS 5101188/89 & 5102154/55 |
| 102 | 5103750YP | 1 | BRAKE ARM, ZT-3400 |
| 103 | 5104055YP | 1 | E-CLIP |
| 106 | ---- | 1 | KIT, FILTER GUARD |
| 111 | ---- | 1 | KIT, FITTING 1/2 BEADED 9/16 SAE |
| 130 | ---- | 2 | TUBE, CHARGE TRIPLE O-RING |
| 140 | ---- | 1 | SPACER, .320X1.005X.179 |
| 141 | ---- | 1 | ARM, NEUTRAL, LH |
| 142 | ---- | 1 | SHCS, 5/16-24 X .875 (PATCH) |
| 147 | 1735483SM | 1 | SPRING, Extension |
| 157 | ---- | 1 | KIT, GEROTOR SEAL |
| 158 | 5104822X3 | 1 | CAP, AXLE, ZT-3400, 53501 |
| 159 | ---- | 1 | SPRING, TORSION, CW |
| 164 | ---- | 1 | WASHER, 1.355 x 2.035 x .021 FLAT |

Transaxle Service Parts - 84008004 & 84007997

Note: Unless noted otherwise, use the standard torque specifications

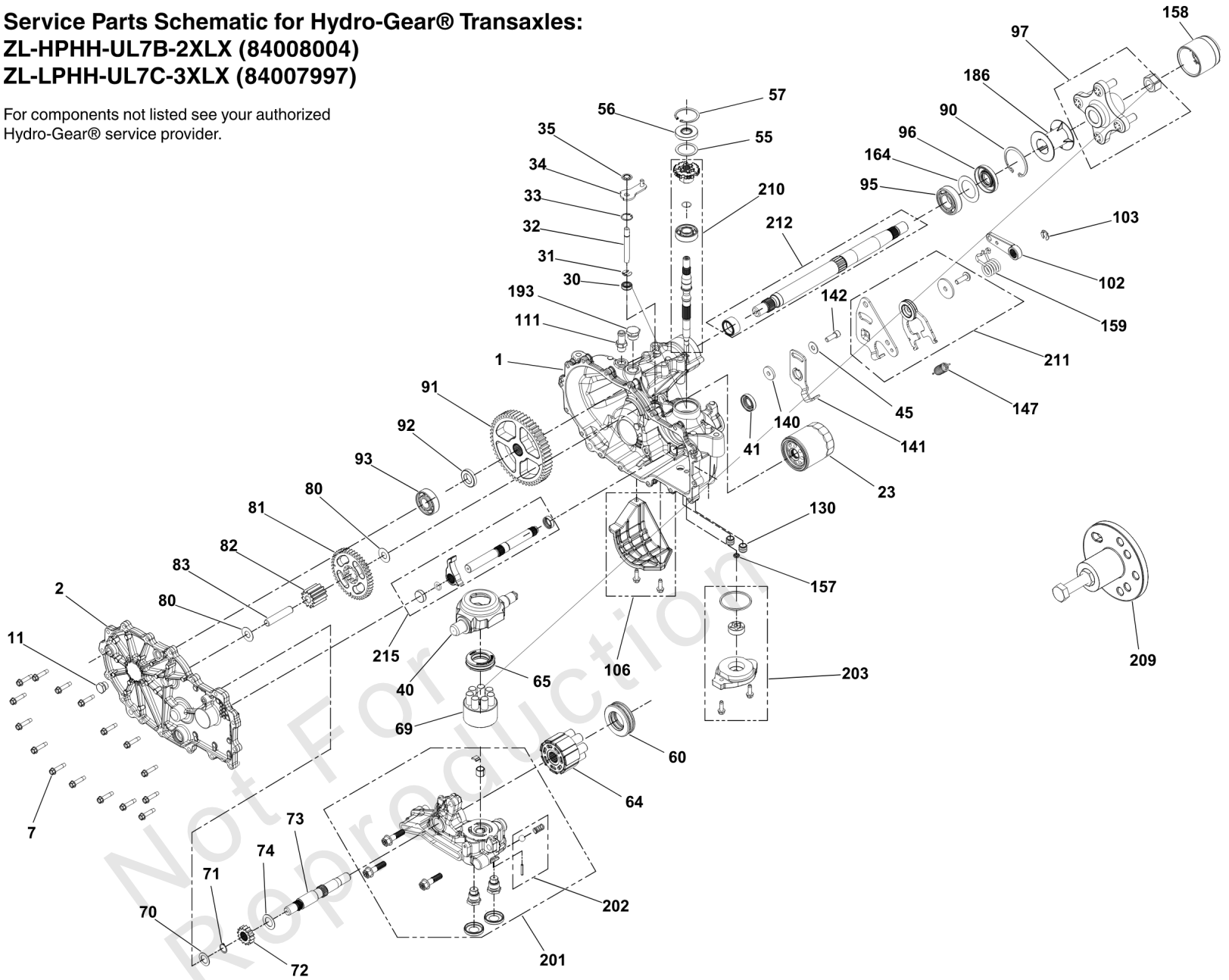
Mfg. No: 5902052

Service Parts Schematic for Hydro-Gear® Transaxles:

ZL-HPHH-UL7B-2XLX (84008004)

ZL-LPHH-UL7C-3XLX (84007997)

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



Transaxle Service Parts - 84008004 & 84007997

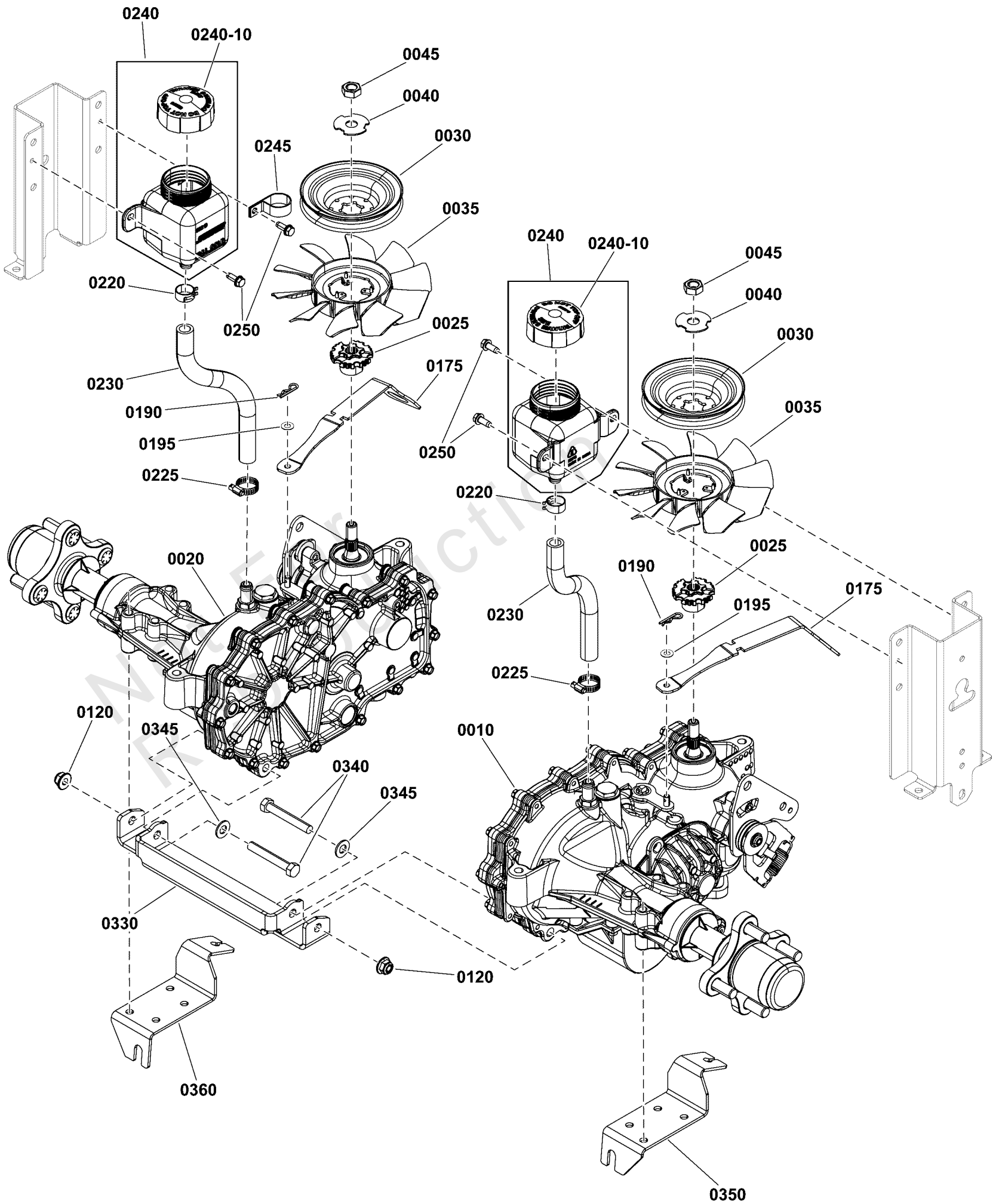
| REF NO | PART NO | QTY | DESCRIPTION |
|--------|-------------|-----|------------------------------------|
| 186 | 5103589X9 | 1 | DEBRIS GUARD HG #53496 |
| 193 | ----- | 1 | PLUG, 3/4-16 |
| 200 | 5101026X8SM | 1 | KIT SEAL |
| 201 | ----- | 1 | KIT, CENTER SECTION, LH CHARGE |
| 202 | ----- | 1 | KIT, CHARGE RELIEF |
| 203 | 5105085X1 | 1 | KIT, CHARGE |
| 209 | ----- | 1 | KIT, HUB PULLER |
| 210 | ----- | 1 | KIT, INPUT SHAFT |
| 211 | 1735490SM | 1 | ARM, Control Kit L.H. |
| 212 | ----- | 1 | KIT, SHAFT, AXLE |
| 215 | ----- | 1 | KIT, OUTBOARD, RH ROT B / LH ROT A |

Not For Reproduction

Transmission Group - Suspension

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Transmission Group - Suspension

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|--------------|-----|--|
| 0010 | 84008004 | 1 | TRANSAXLE -(Left side)(Refer to Note: *) |
| 0020 | 84007997 | 1 | TRANSAXLE -(Right side)(Refer to Note: *) |
| 0025 | 84003847 | 2 | HUB |
| 0030 | 1759447YP | 2 | PULLEY, Transmission |
| 0035 | 84007455 | 2 | FAN |
| 0040 | 5102914YP | 2 | WASHER, ZT5400, SLOTT |
| 0045 | 5102916YP | 2 | NUT, ZT5400 -(Torque to 45 - 55 ft-lbs (61 - 75,6 Nm)) |
| 0120 | 5025394SM | 2 | NUT, 3/8-16 HEX NYLOCK |
| 0175 | 1759276AYP | 2 | VALVE-TOW |
| 0190 | 703430 | 2 | PIN, 13X1.19 |
| 0195 | 703332 | 2 | WASHER |
| 0220 | 5025474SM | 2 | CLAMP - HOSE |
| 0225 | 5021392SM | 2 | CLAMP, #6 HOSE, STAIN |
| 0230 | 5050857X10FS | 2 | HOSE |
| 0240 | 5100473SM | 2 | RESERVOIR -(Includes item # 0240-10.) |
| 0240-10 | 5100778X1YP | 2 | RESERVIOR CAP (SV) |
| 0245 | 5021500FS | 1 | CLAMP -(This clamp is mounted on the left side of the unit for Briggs & Stratton powered models.) |
| 0250 | 703054 | 4 | SCREW, 1/4-20X0.625 |
| 0330 | 1759172AYP | 1 | SUPPORT |
| 0340 | 84007037 | 2 | BOLT |
| 0345 | 5025156FS | 2 | WASHER |
| 0350 | 84006958 | 1 | BRACKET |
| 0360 | 84006959 | 1 | BRACKET |

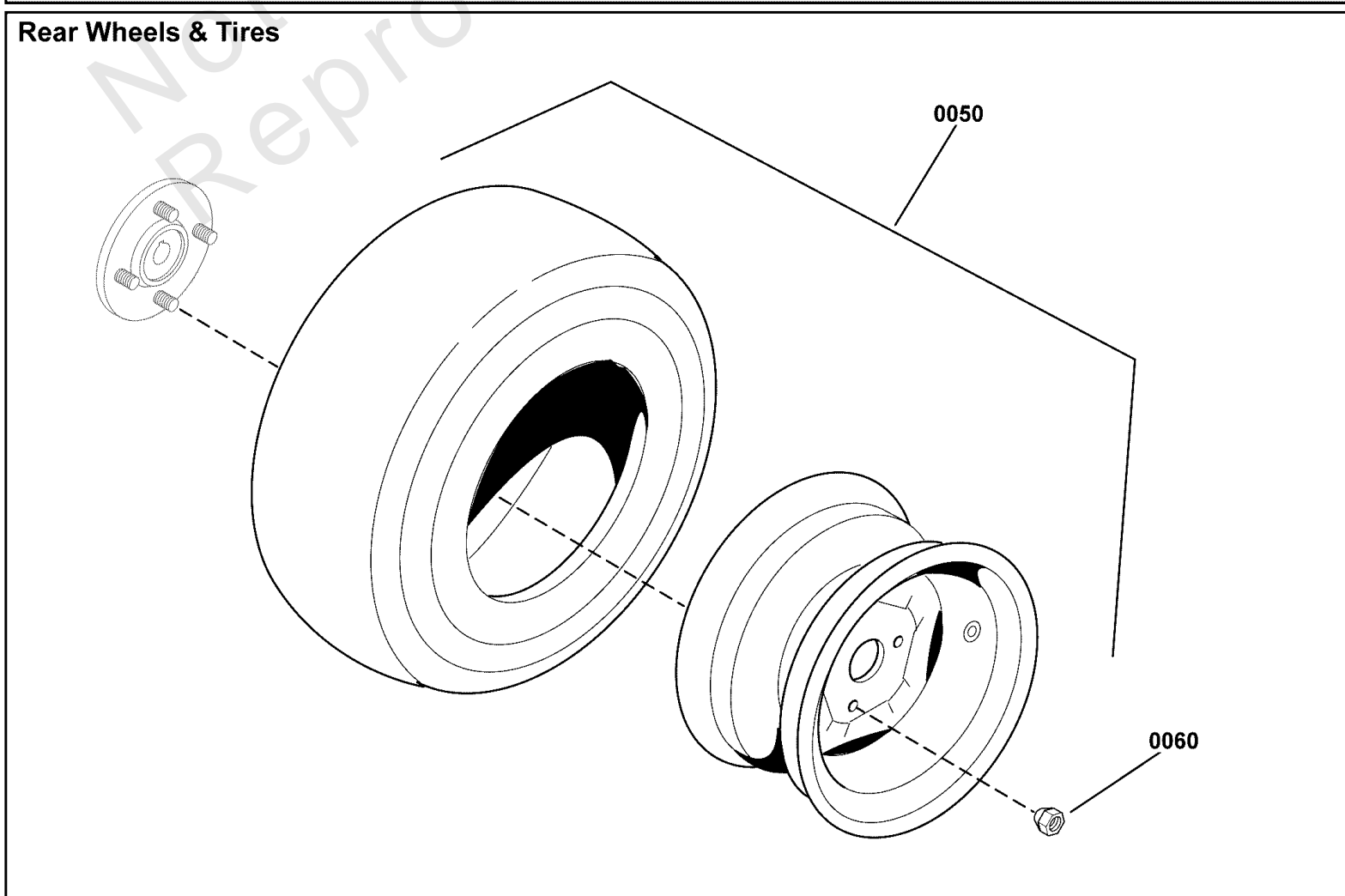
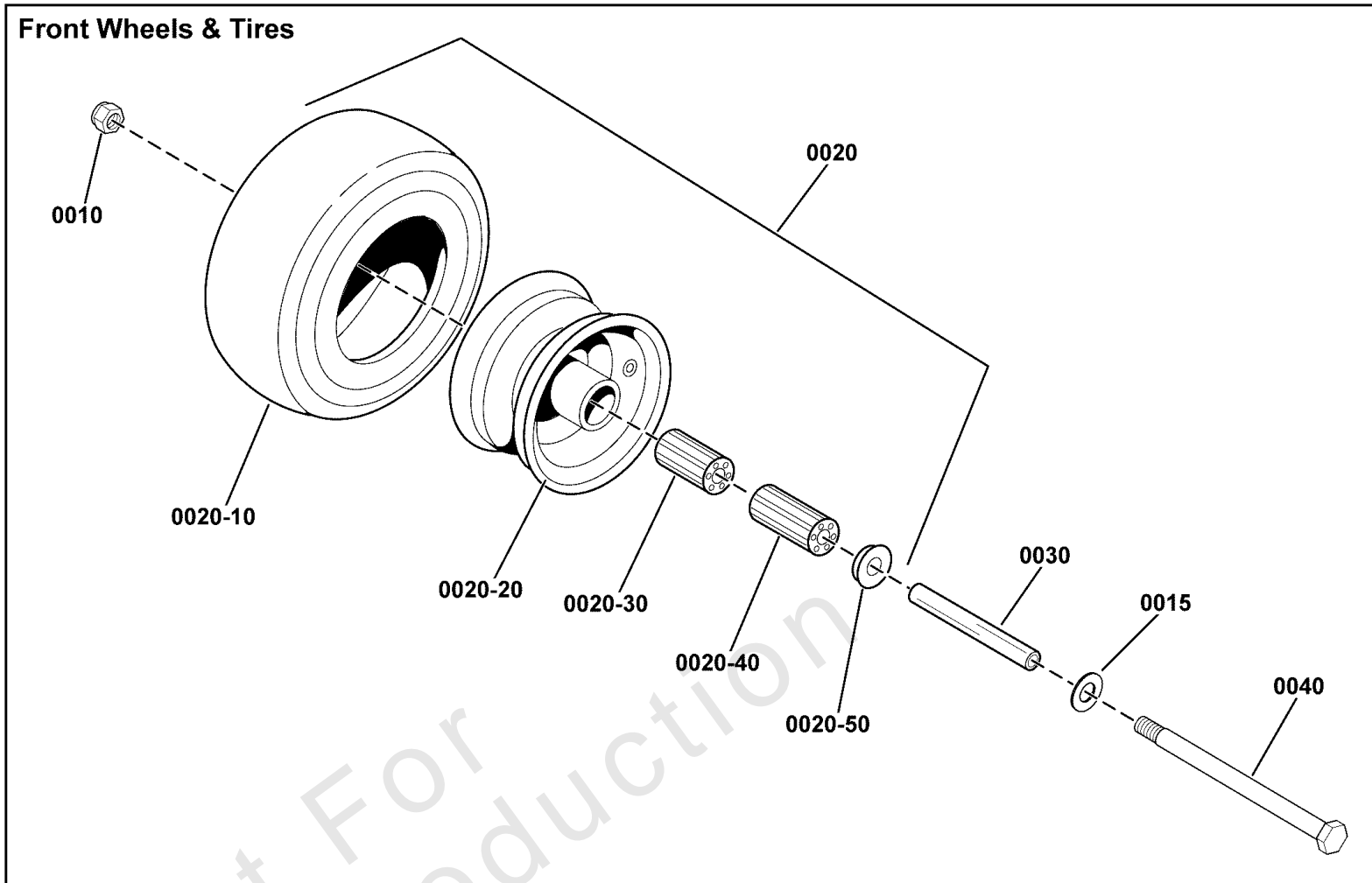
Footnotes:

Note: *See your local Hydro Gear dealer for parts and service.

Wheel & Tire Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5902052



Wheel & Tire Group

| REF NO | PART NO | QTY | DESCRIPTION |
|---------|------------|-----|--|
| 0010 | 5025396 | 2 | NUT, Hex Flange, Nylock, 1/2-13 |
| 0015 | 5025158 | 2 | WASHER, 1/2 SAE |
| 0020 | 5109055FS | 2 | TIRE ASSEMBLY |
| 0020-10 | 5022577 | 2 | TIRE, RUBBER ONLY |
| 0020-20 | ----- | 2 | WHEEL RIM |
| 0020-30 | 84008029 | 2 | BEARING |
| 0020-40 | 5021182 | 2 | BEARING, ROLLER 3/4" ID X 3.25" (ONE PER TIRE)(SV) |
| 0020-50 | 5021043 | 2 | RETAINER, BEARING (TWO PER TIRE)(SV) |
| 0030 | 5106587 | 2 | CASTER AXLE SHAFT, .51"ID X .75"OD X7.16 |
| 0040 | 5025017X72 | 2 | BOLT, 1/2-13 X 9" GD5 YZ |
| 0050 | 80094605 | 2 | WHEEL AND TIRE ASSY, 22X11-10 (BLACK) |
| 0060 | 5020601 | 8 | NUT, 1/2-20, FOR WHEEL BOLT SILVER |

Not For Reproduction

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

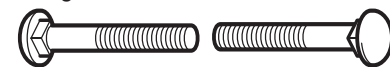
Hex Head Capscrew



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 |

