



# Parts Manual

Mfg. No: 5901426

FW25 Series w/ 36" Mower Deck  
(FW25CCKAV1936)

|                                                                                                   |  |
|---------------------------------------------------------------------------------------------------|--|
| 5600859 - Kit, Weight Bracket, W25. ....                                                          |  |
| 5600268 - KIT, BAGGER, 32/36 - WB (3.25 BUSHEL). ....                                             |  |
| 5600861 - Kit, Bagger Counter Spring, W25. ....                                                   |  |
| 5600828 - Mulch Kit for W25 Walk Behind (S/N: 2017633637 & Below). ....                           |  |
| 5105070 - Catcher, Steel Frame / Aluminum Mesh. ....                                              |  |
| 5105310 - Mounting Kit, Catcher for 36" Decks (FW25, SW25, F60Z, S50XT, SRSZ1 - S/N: 2017499938 & |  |

Not For  
InReproduction

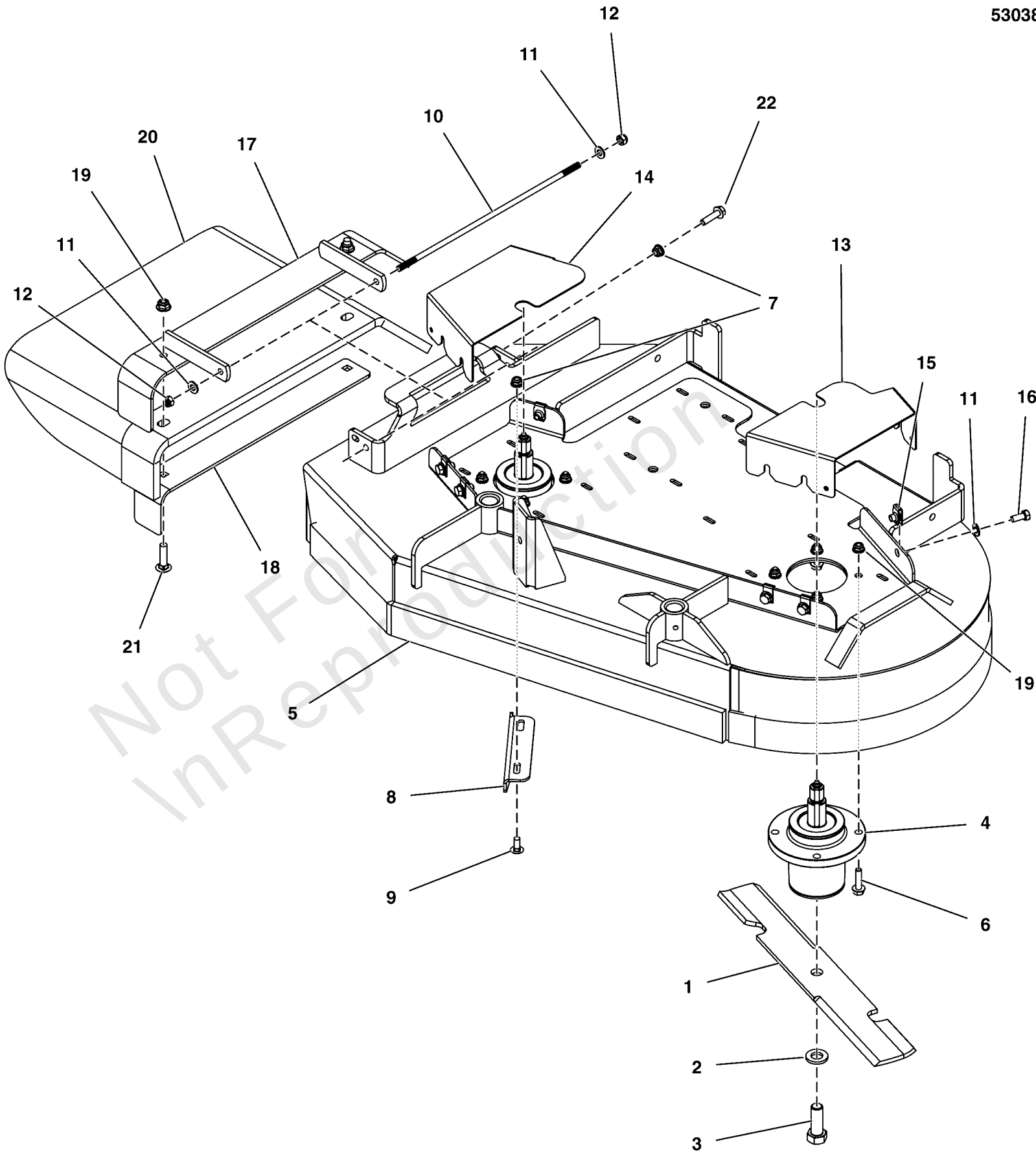
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**36" Mower Deck - Housing, Covers, Spindles & Blades S/N: 2017555756 & Below**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

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**36" Mower Deck - Housing, Covers, Spindles & Blades S/N: 2017555756 & Below**

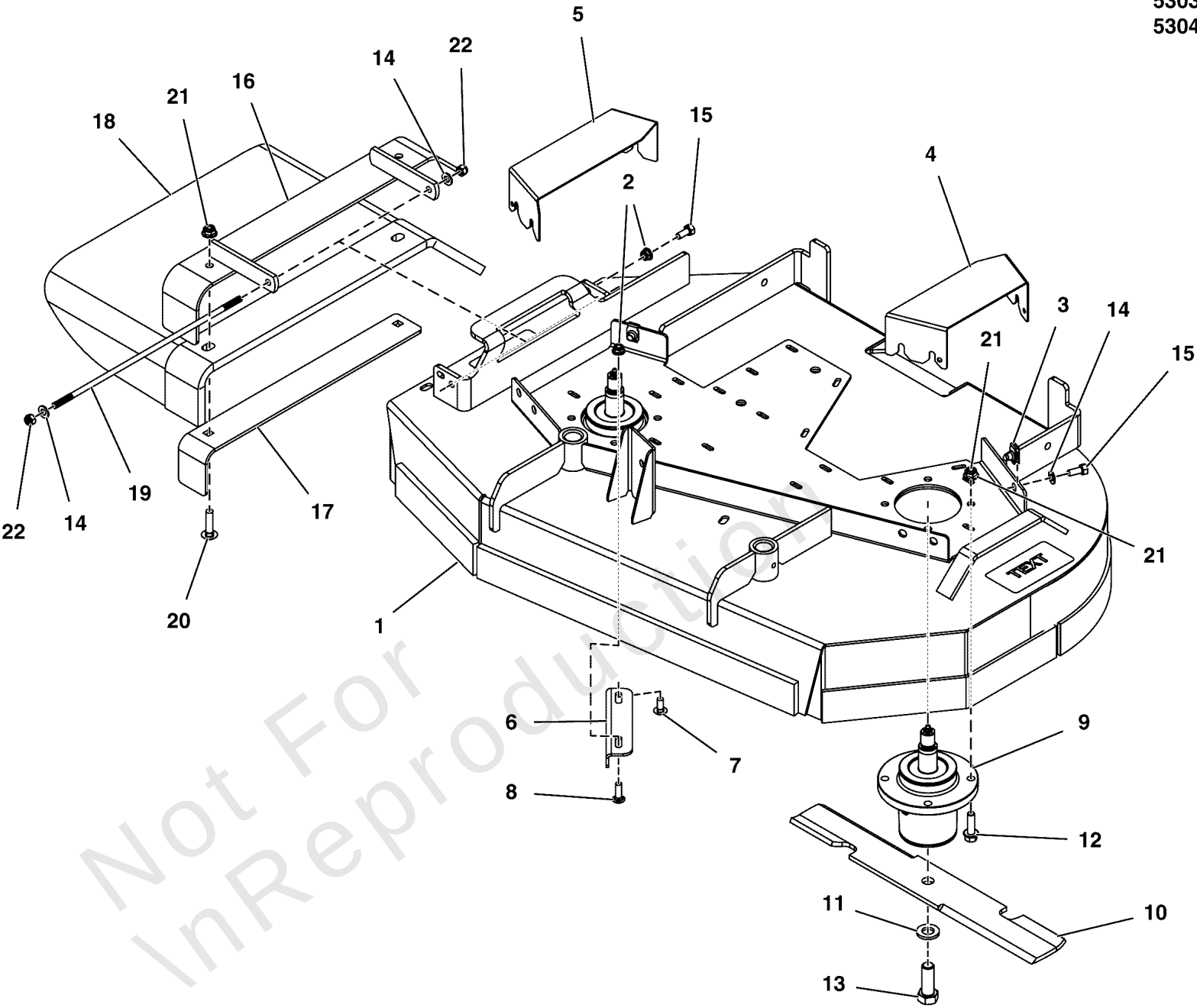
| REF NO | PART NO    | QTY | DESCRIPTION                                   |
|--------|------------|-----|-----------------------------------------------|
| 1      | 5101756X2  | 1   | BLADE SET, 36 DECK (2)                        |
| 2      | 5025477    | 2   | WASHER, BLADE BOLT, 9/16" F436, CZ            |
| 3      | 5025320X14 | 2   | BOLT, 5/8-11 X 1-3/4 GD8                      |
| 4      | 5061095    | 2   | SPINDLE, ASSM, ALUMINUM - 5.25                |
| 5      | 5600849    | 1   | DECK SHELL W/ DECALS, 36, FW25<br>-(5412771B) |
| 6      | 5025390X10 | 8   | BOLT, 3/8-16 X 1-1/4, FLANGE, GD5, CZ         |
| 7      | 5025392    | 3   | NUT, 5/16-18 HEX NYLOCK FLANGE                |
| 8      | 5413147A   | 1   | PLATE, DEFLECTOR, SWFW25 36" - BLK            |
| 9      | 5025145X6  | 2   | BOLT, 5/16-18 X 3/4, CARRIAGE                 |
| 10     | 5042555    | 1   | ROD, 5/16 X 13.75, TBE, CZ                    |
| 11     | 5025155    | 8   | WASHER, 5/16" SAE                             |
| 12     | 5025045    | 2   | NUT, 5/16-24 HEX NYLON LOCK                   |
| 13     | 5413306B   | 1   | GUARD, DECK, FW25 36" LH - RED                |
| 14     | 5413305B   | 1   | GUARD, DECK, FW25 36" RH - RED                |
| 15     | 5022308    | 6   | BODY CLIP, 5/16-18-7GA MATERIAL               |
| 16     | 5025011X6  | 6   | BOLT, 5/16-18 X 3/4 GD5                       |
| 17     | 5413404A   | 1   | WELD, MOUNT, DISCHARGE CHUTE - BLK            |
| 18     | 5413401A   | 1   | SUPPORT, DISCHARGE CHUTE - BLK                |
| 19     | 5025394    | 10  | NUT, 3/8-16 HEX NYLOCK FLANGE                 |
| 20     | 5413498    | 1   | CHUTE, RUBBER DISCHARGE CHUTE<br>-(5104441)   |
| 21     | 5025146X12 | 2   | BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ       |
| 22     | 5025011X6  | 1   | BOLT, 5/16-18 X 3/4 GD5                       |

**36" Mower Deck - Housing, Covers, Spindles & Blades S/N: 2017555757 & Above**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

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**36" Mower Deck - Housing, Covers, Spindles & Blades S/N: 2017555757 & Above**

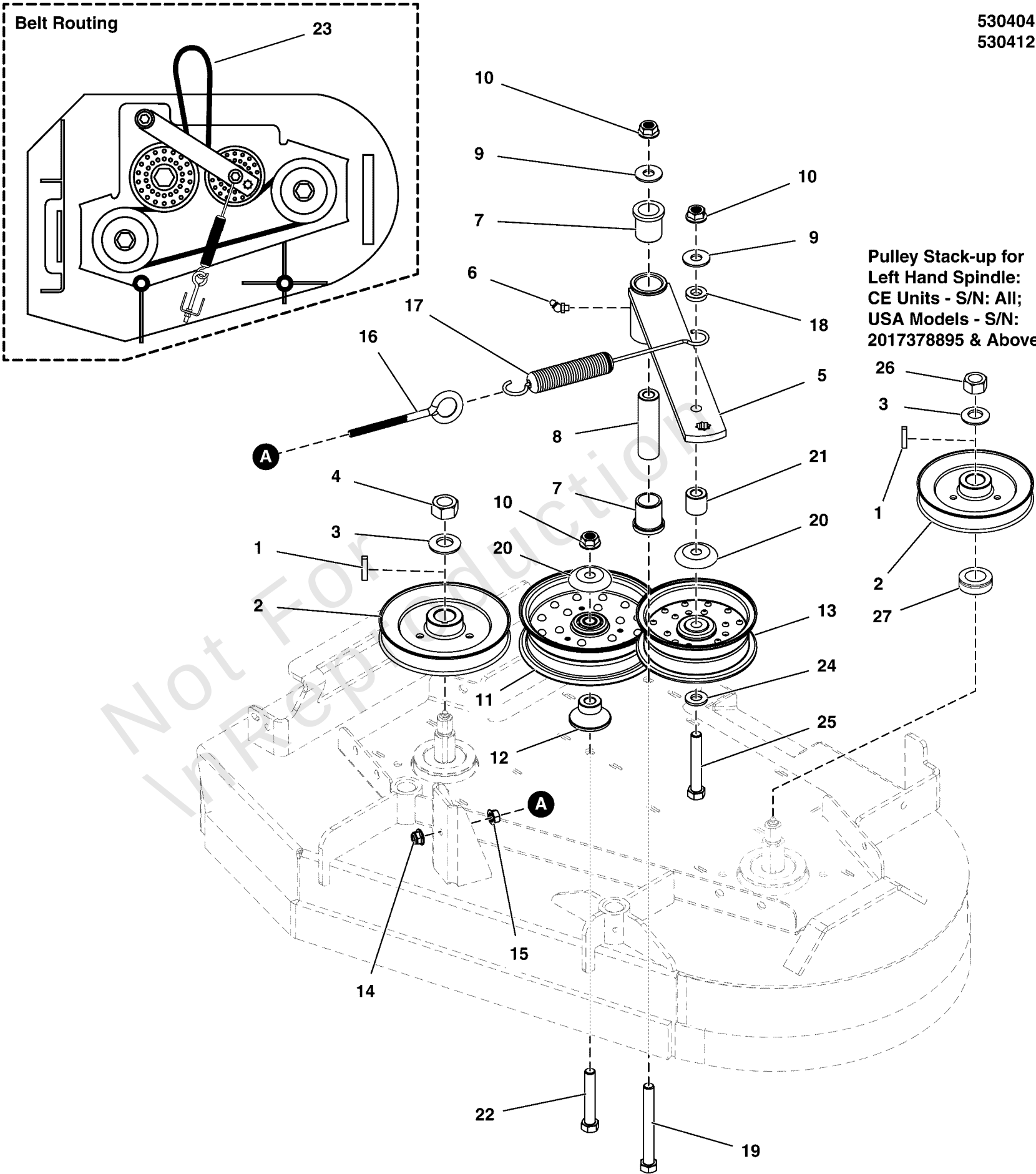
| REF NO | PART NO    | QTY | DESCRIPTION                                  |
|--------|------------|-----|----------------------------------------------|
| 1      | 5601051    | 1   | DECK SHELL W/DECALS, FW25-36 (5415679B)      |
| 2      | 5025392    | 3   | NUT, 5/16-18 HEX NYLOCK FLANGE               |
| 3      | 5022308    | 6   | BODY CLIP, 5/16-18-7GA MATERIAL              |
| 4      | 5415811B   | 1   | GUARD, DECK, LH, W25 36 - RED                |
| 5      | 5415810B   | 1   | GUARD, DECK, RH, W25 36 - RED                |
| 6      | 5415547A   | 1   | PLATE, DEFLECTOR, 36 - BLK                   |
| 7      | 5025145X6  | 1   | BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ       |
| 8      | 5025145X8  | 1   | BOLT, 5/16-18 X 1, CARRIAGE, GD5, CZ         |
| 9      | 5061095    | 2   | SPINDLE, ASSM, ALUMINUM - 5.25               |
| 10     | 5101756X2  | 1   | BLADE SET, 36 DECK (2)<br>-(SET OF 2 BLADES) |
| 11     | 5025477    | 2   | WASHER, BLADE BOLT, 9/16" F436, CZ           |
| 12     | 5025390X10 | 8   | BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ       |
| 13     | 5025320X14 | 2   | BOLT, 5/8-11 X 1-3/4 GD8                     |
| 14     | 5025155    | 8   | WASHER, 5/16" SAE                            |
| 15     | 5025011X6  | 7   | BOLT, 5/16-18 X 3/4 GD5                      |
| 16     | 5413404A   | 1   | WELD, MOUNT, DISCHARGE CHUTE - BLK           |
| 17     | 5413401A   | 1   | SUPPORT, DISCHARGE CHUTE - BLK               |
| 18     | 5413498    | 1   | CHUTE, RUBBER DISCHARGE CHUTE<br>-(5104441)  |
| 19     | 5042555    | 1   | ROD, 5/16 X 13.75, TBE, CZ                   |
| 20     | 5025146X12 | 2   | BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ      |
| 21     | 5025394    | 10  | NUT, 3/8-16 HEX NYLOCK FLANGE                |
| 22     | 5025045    | 2   | NUT, 5/16-24 HEX NYLON LOCK                  |

36" Mower Deck - Pulleys, Belt & Idler Arm S/N: 2017555756 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

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**36" Mower Deck - Pulleys, Belt & Idler Arm S/N: 2017555756 & Below**

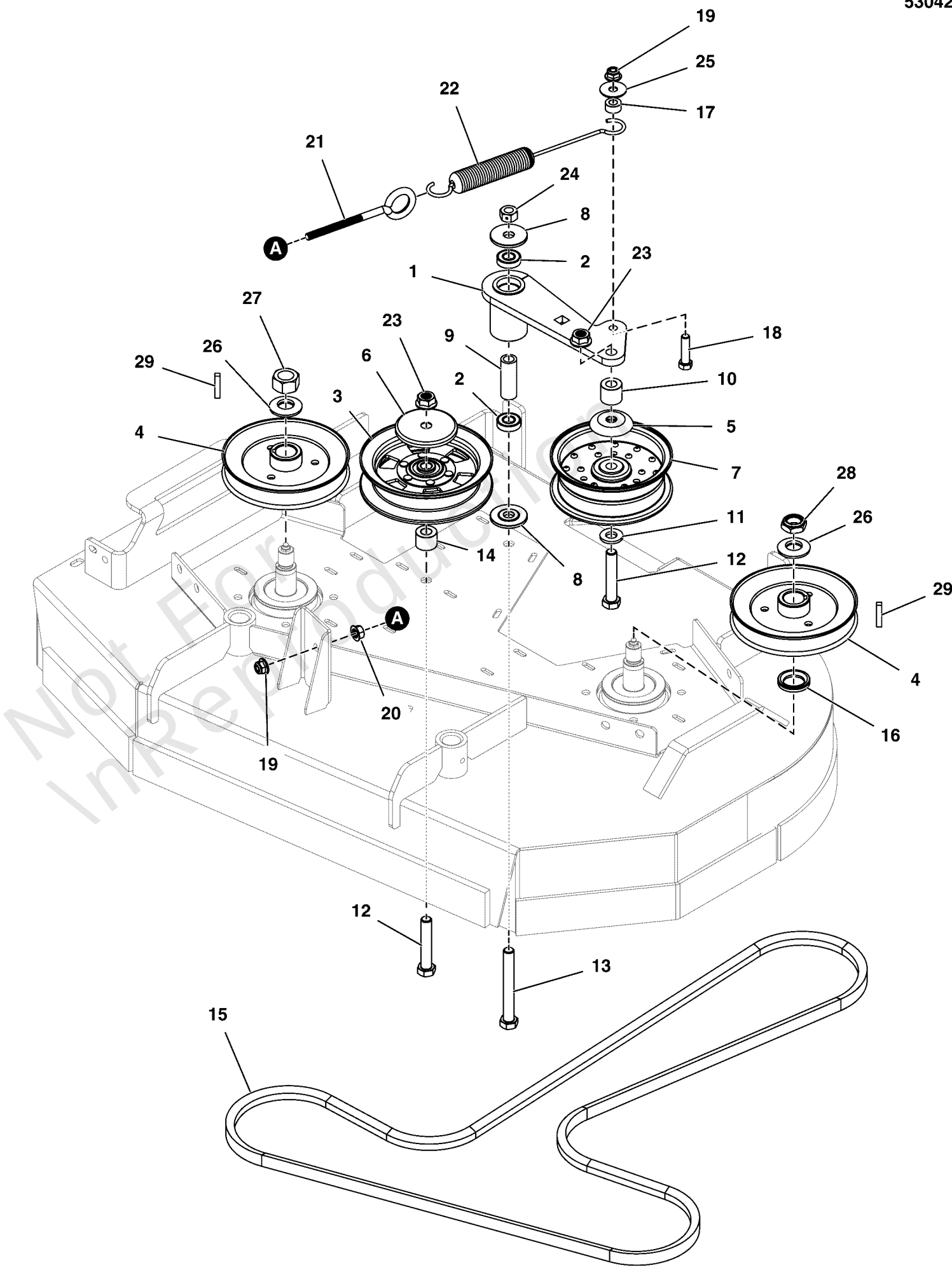
| REF NO | PART NO    | QTY | DESCRIPTION                                                                                  |
|--------|------------|-----|----------------------------------------------------------------------------------------------|
| 1      | 5050407X10 | 2   | KEY, 1/4 SQ X 1-1/4                                                                          |
| 2      | 5101351    | 2   | PULLEY, 5.926 OVER BALL                                                                      |
| 3      | 5025406    | 2   | WASHER, 3/4 BELLEVILLE                                                                       |
| 4      | 5025405    | 1   | NUT, 3/4-16 HEX<br>-(Qty: 2 - USA Units S/N: 2017378894 & Below)                             |
| 5      | 5401741A   | 1   | WELD, IDLER ARM (10.50) - BLK                                                                |
| 6      | 5020020    | 1   | GREASE FITTING                                                                               |
| 7      | 5021541    | 2   | BUSHING, FLANGE                                                                              |
| 8      | 5045022    | 1   | SPACER, .52 X 1.00 X 3.50                                                                    |
| 9      | 5025150    | 2   | WASHER, 1/2 USS                                                                              |
| 10     | 5025396    | 3   | NUT, Hex Flange, Nylock, 1/2-13                                                              |
| 11     | -----      | 1   | Replace with: Pulley #5104717 & Debris Shield #5105145                                       |
| 12     | 5103430    | 1   | IDLER MOUNT                                                                                  |
| 13     | 5101312    | 1   | PULLEY, IDLER, 5.00 WIDE W/ .51 BORE                                                         |
| 14     | 5025394    | 1   | NUT, 3/8-16 HEX NYLOCK FLANGE                                                                |
| 15     | 5025128    | 1   | NUT, 3/8-16 HEX SERRATED FLANGE                                                              |
| 16     | 5025429    | 1   | EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C                                                     |
| 17     | 5023340    | 1   | SPRING-EXT, 1.04 ODX10.535LGX.148WR, BLK                                                     |
| 18     | 5044609    | 1   | SPACER, .52 X 1.00 X .38, CZ                                                                 |
| 19     | 5025017X40 | 1   | BOLT, 1/2-13 X 5 GD5 CZ                                                                      |
| 20     | 5101103    | 2   | SHIELD, PULLEY BEARING, CZ                                                                   |
| 21     | 5044673    | 1   | SPACER, .52 X 1.00 X .88, PM, CZ                                                             |
| 22     | 5025017X24 | 1   | BOLT, 1/2-13 X 3" GD5 CZ                                                                     |
| 23     | 5104353    | 1   | BELT, B-SEC, 97.6"EL, ARAMID, WRAPPED                                                        |
| 24     | 5025440    | 1   | WASHER, 1/2 GD9 CZ                                                                           |
| 25     | 5025017X26 | 1   | BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, CZ (SV)                                                   |
| 26     | 5025448    | 1   | NUT, 3/4-16, HEX NYLON LOCK<br>-(CE Units - S/N: All; USA Units - S/N: 2017378895 & Above)   |
| 27     | 5049185    | 1   | SPACER, 1.00 X 1.50 X .25, CZ<br>-(CE Units - S/N: All; USA Units - S/N: 2017378895 & Above) |

36" Mower Deck - Pulleys, Belt & Idler Arm S/N: 2017555757 & Above

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

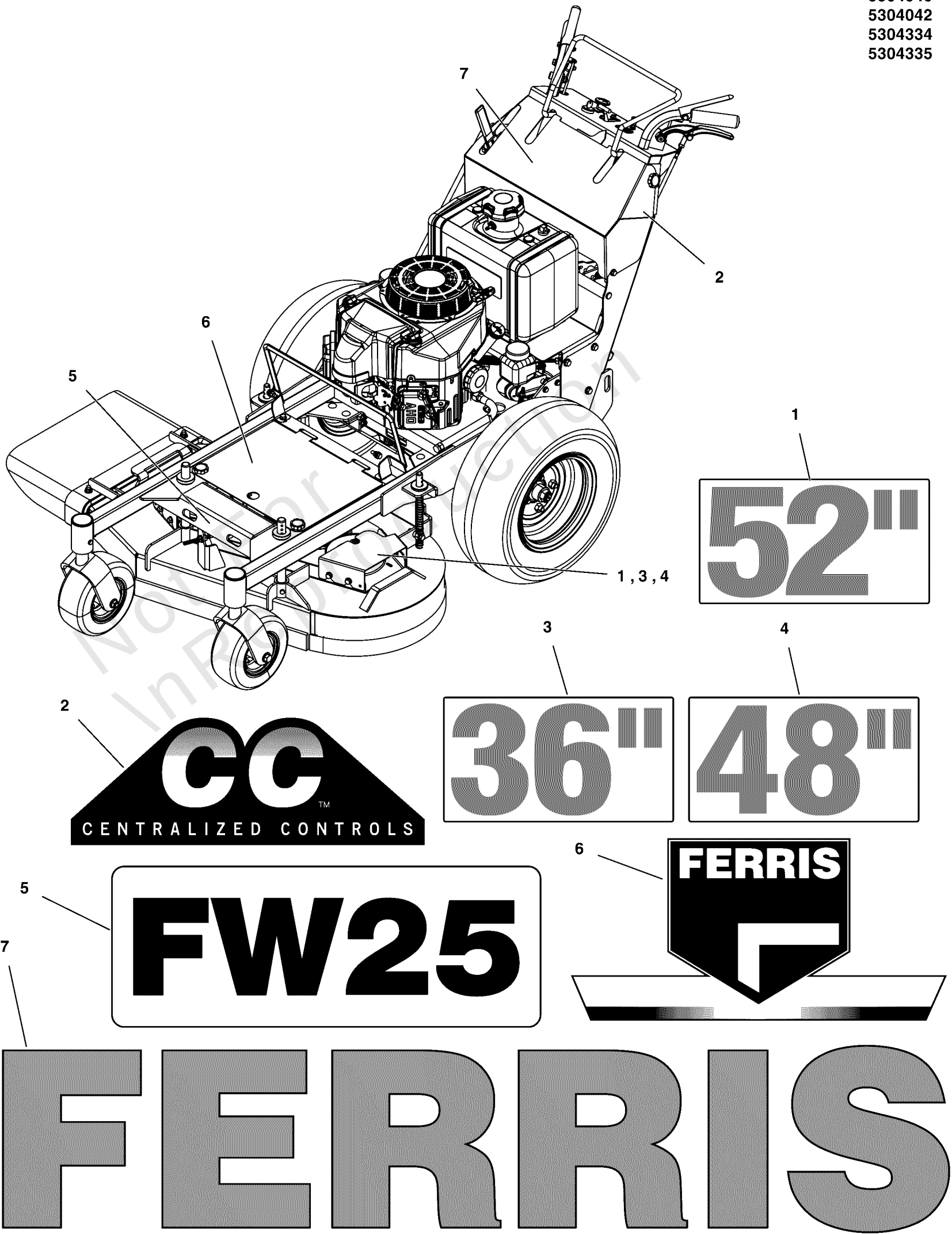
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**36" Mower Deck - Pulleys, Belt & Idler Arm S/N: 2017555757 & Above**

| REF NO | PART NO    | QTY | DESCRIPTION                              |
|--------|------------|-----|------------------------------------------|
| 1      | 5415807A   | 1   | WELD, IDLER ARM, DECK DRIVE, W25 36 -BLK |
| 2      | 7078243    | 2   | BEARING, BALL, AXLE                      |
| 3      | 5104716    | 1   | PULLEY,IDLER,BACKSIDE,NOSEAM 6.25ODX.5ID |
| 4      | 5101351    | 2   | PULLEY, 5.926OB X .985ID, SINGLE B-SEC   |
| 5      | 5101103    | 1   | SHIELD, PULLEY BEARING, CZ               |
| 6      | 5105145    | 1   | SHIELD, BEARING, 1/2 ID X 2-7/8 OD, CZ   |
| 7      | 5101312    | 1   | PULLEY, IDLER, 5.00 WIDE W/ .51 BORE     |
| 8      | 5103262    | 2   | SPACER, IDLER ARM, 1/2, PM               |
| 9      | 5104172    | 1   | SPACER, .505 X .75 X 2.085, CZ           |
| 10     | 5044673    | 1   | SPACER, .52 X 1.00 X .88, PM, CZ         |
| 11     | 5025440    | 1   | WASHER, 1/2 GD9 CZ                       |
| 12     | 5025017X22 | 2   | BOLT, 1/2-13 X 2-3/4 GD5 CZ              |
| 13     | 5025017X32 | 1   | BOLT, 1/2-13 X 4" GD5 CZ                 |
| 14     | 5045178    | 1   | SPACER, .52 X 1.00 X .75, CZ             |
| 15     | 5104353    | 1   | BELT, B-SEC, 97.6"EL, ARAMID, WRAPPED    |
| 16     | 5049185    | 1   | SPACER, 1.00 X 1.50 X .25, CZ            |
| 17     | 5044933    | 1   | SPACER, .39 X .75 X .38, PM, CZ          |
| 18     | 5025013X12 | 1   | BOLT, 3/8-16 X 1-1/2" GD5 CZ             |
| 19     | 5025394    | 2   | NUT, 3/8-16 HEX NYLOCK FLANGE            |
| 20     | 5025128    | 1   | NUT, 3/8-16 HEX SERRATED FLANGE          |
| 21     | 5021812    | 1   | EYE BOLT, 3/8-16 X 6, 3THRD, 1EYE, CZ    |
| 22     | 5023340    | 1   | SPRING-EXT, 1.04 ODX10.535LGX.148WR, BLK |
| 23     | 5025396    | 2   | NUT, Hex Flange, Nylock, 1/2-13          |
| 24     | 5025332    | 1   | NUT, 1/2-13 HEX SIDE LOCK                |
| 25     | 5025165    | 1   | WASHER-3/8 FENDER                        |
| 26     | 5025406    | 2   | WASHER, 3/4 BELLEVILLE CL/ZC             |
| 27     | 5025405    | 1   | NUT, 3/4-16 HEX                          |
| 28     | 5025448    | 1   | NUT, 3/4-16, HEX JAM NYLON LOCK          |
| 29     | 5050407X10 | 2   | KEY, 1/4 SQ X 1-1/4                      |

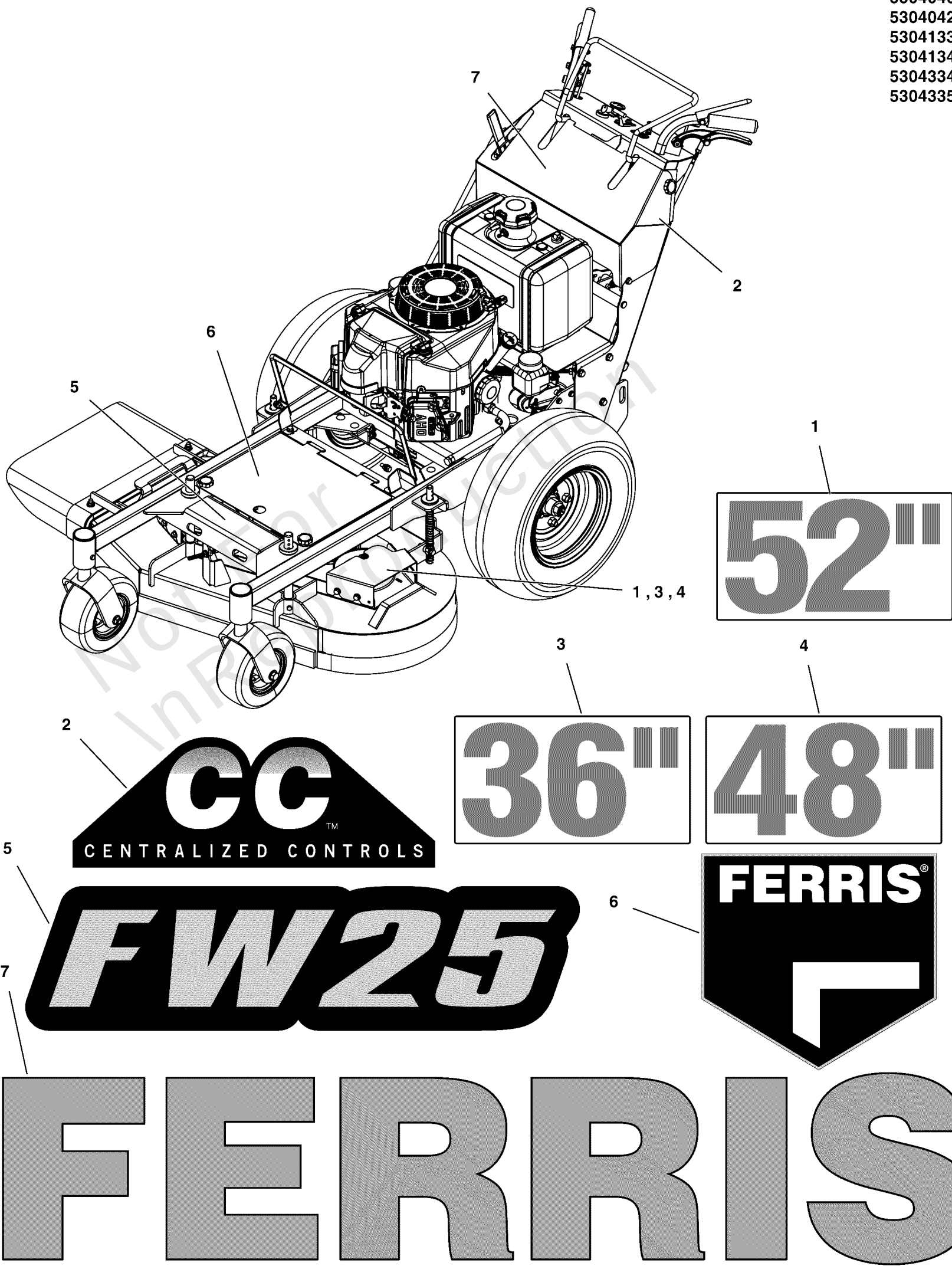
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***Decal Group - Brand & Model S/N: 2017243270 & Below***

| REF NO | PART NO | QTY | DESCRIPTION                                                             |
|--------|---------|-----|-------------------------------------------------------------------------|
| 1      | 5022812 | 1   | DECAL, 52<br>-(52" Models)                                              |
| 2      | 5104518 | 1   | DECAL, CENTRALIZED CONTROLS<br>-(Models with Centralized Controls Only) |
| 3      | 5101322 | 1   | DECAL, 36<br>-(36" Models)                                              |
| 4      | 5022811 | 1   | DECAL, 48<br>-(48" Models)                                              |
| 5      | 5104486 | 1   | DECAL, MODEL SERIES, FW25                                               |
| 6      | 5100344 | 1   | DECAL, FERRIS, FRONT, 8.78 X 5.81                                       |
| 7      | 5103799 | 1   | DECAL, FERRIS, 2.23" X 11.39"                                           |

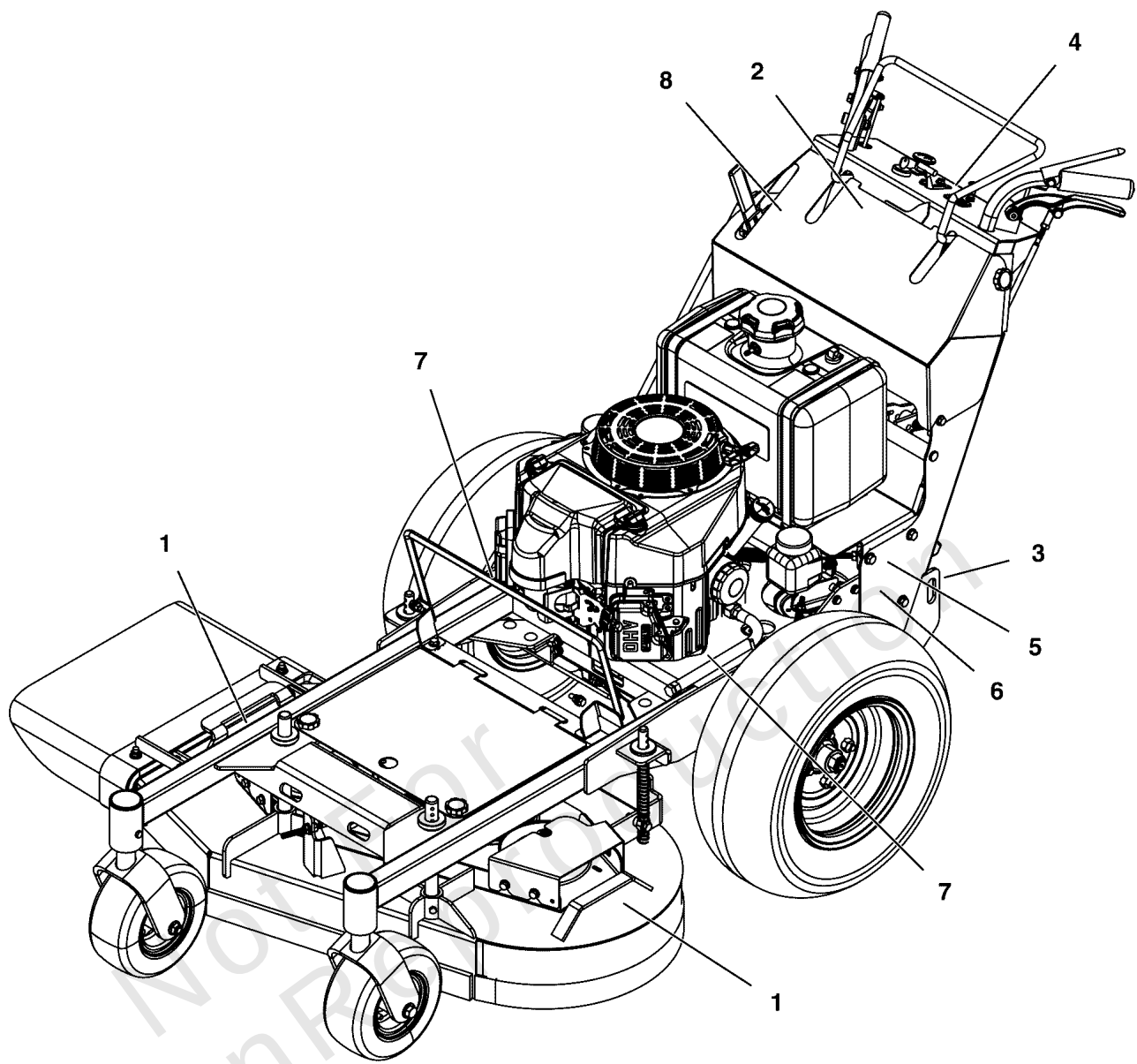
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5304134  
5304334  
5304335



***Decal Group - Brand & Model S/N: 2017246271 & Above***

| REF NO | PART NO | QTY | DESCRIPTION                                                             |
|--------|---------|-----|-------------------------------------------------------------------------|
| 1      | 5022812 | 1   | DECAL, 52<br>-(52" Models)                                              |
| 2      | 5104518 | 1   | DECAL, CENTRALIZED CONTROLS<br>-(Models with Centralized Controls Only) |
| 3      | 5101322 | 1   | DECAL, 36<br>-(36" Models)                                              |
| 4      | 5022811 | 1   | DECAL, 48<br>-(48" Models)                                              |
| 5      | 5104765 | 1   | DECAL, MODEL, FW25                                                      |
| 6      | 5104755 | 1   | DECAL, FERRIS LOGO, LARGE                                               |
| 7      | 5103799 | 1   | DECAL, FERRIS, 2.23" X 11.39"                                           |

5304038



**WARNING**

**Fire Hazard**

Gasoline is flammable. Debris is combustible.

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

5103665

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

**Ignition System (Gasoline Models)**

This spark ignition system complies with Canadian standard ICES-002.

5104269

**⚠ 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.

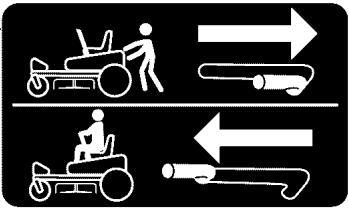
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**⚠ WARNING**

**Avoid serious injury or death**

- Read operator's manual before using this product.
- Go across slopes, NOT up and down.
- Look down and behind before and while backing.
- Stop the mower when children or others are near.
- Remove objects that could be thrown by the blade.
- Keep safety devices (guards, shields, switches, etc.) in place and working.
- Do NOT operate this machine unless you are trained.
- Know the location and function of all controls.
- Avoid steep slopes. Reduce speed and use extreme caution on slopes.

5105803



**⚠ DANGER**

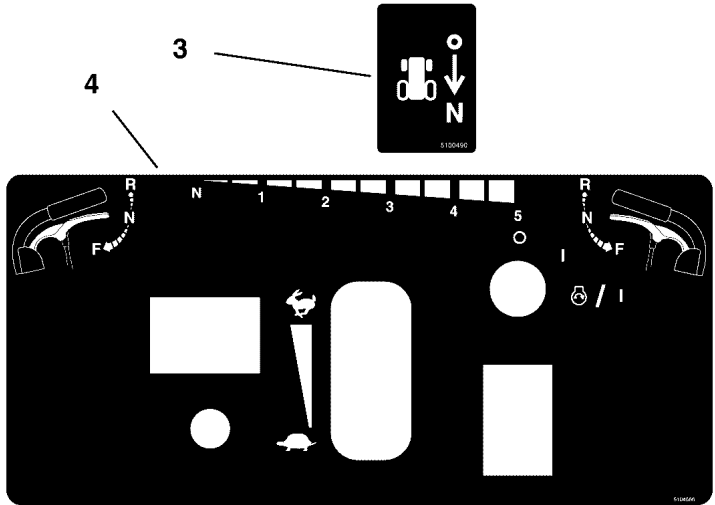
**Falling Off Sully Hazard**

- Read the Operator's Manual.
- Follow all Safety Rules and Information.
- Do NOT operate on slopes over 20 degrees.

**Crushing Hazard of Sully - It May Cause Serious Injury**

- Do NOT allow sully to rotate more than 90 degrees while standing on sully platform.
- Do NOT operate in reverse (back up) while standing on sully platform, always dismount sully.
- Always place sully in transport position (secured by the chain) before loading or unloading mower on a trailer.

5106762





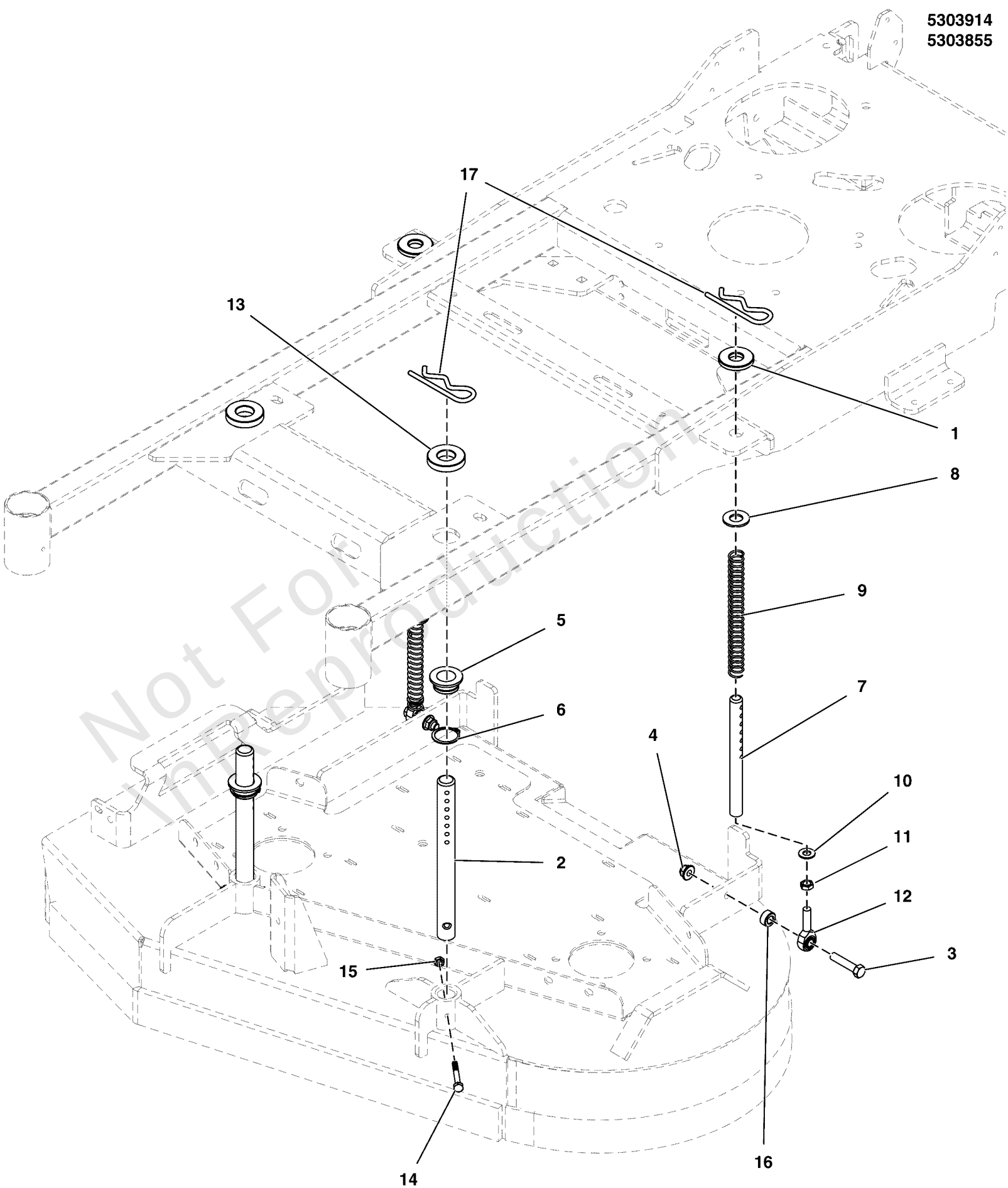
### ***Decal Group - Safety & Operation USA Models***

| REF NO | PART NO | QTY | DESCRIPTION                                                                                      |
|--------|---------|-----|--------------------------------------------------------------------------------------------------|
| 1      | 7101665 | 2   | DECAL, DANGER DO NOT OPERATE W/O DEFLECT                                                         |
| 2      | 5103601 | 1   | DECAL, WARNING, WALKS                                                                            |
| 3      | 5100490 | 2   | DECAL, PEDAL                                                                                     |
| 4      | 5104566 | 1   | DECAL, DASH PANEL, WKB, MAN/ELEC START                                                           |
| 5      | 5103665 | 1   | DECAL, FIRE HARARD, 3.25W X 3.0H                                                                 |
| 6      | 5104269 | 1   | DECAL, SPANISH MANUAL, IGES, C-TICK                                                              |
| 7      | 5104268 | 2   | DECAL, TRANSAXLE RELEASE, WB                                                                     |
| 8      | 5102628 | 1   | DECAL, PARKING BRAKE SYMBOLS                                                                     |
| 9      | 5106760 | 1   | DECAL, MAIN SAFETY, SULKY<br>-(S/N: 4000036919 & Above)(Located on the rear of the engine deck.) |

**Deck Lift Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426



## Deck Lift Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                            |
|--------|------------|-----|------------------------------------------------------------------------|
| 1      | 5104400    | 2   | SPACER, .688 X 1.750 X .25, CZ                                         |
| 2      | 5104346    | 2   | SHAFT, FRONT DECK LIFT, SW25/FW25                                      |
| 3      | 5025013X14 | 2   | BOLT, 3/8-16 X 1-3/4" GD5 CZ                                           |
| 4      | 5025394    | 2   | NUT, 3/8-16 HEX NYLOCK FLANGE                                          |
| 5      | 5104413    | 2   | BUSHING, FRONT DECK LIFT                                               |
| 6      | 5025614    | 2   | SNAP RING, EXTERNAL, 1-1/4 SHAFT, BLK                                  |
| 7      | 5104345    | 2   | SHAFT, REAR DECK LIFT, SW25/FW25                                       |
| 8      | 5025281    | 2   | WASHER, 5/8 SAE<br>-(36" Mower Decks Only)                             |
| 9      | 5104374    | 2   | SPRING, COMP, .645IDX8.00LGX.080WR, BLK E-C<br>-(36" Mower Decks Only) |
| 10     | 5025156    | 2   | WASHER, 3/8 SAE<br>-(36" Mower Decks Only)                             |
| 11     | 5025309    | 2   | NUT, 3/8-24 HEX JAM                                                    |
| 12     | 5021124    | 2   | BALL JOINT, 3/8-24 MALE                                                |
| 13     | 5104347    | 2   | SPACER, .89 X 1.88 X .38, CZ                                           |
| 14     | 5025010X16 | 2   | BOLT, 1/4-20 X 2", GD5                                                 |
| 15     | 5025095    | 2   | NUT, 1/4-20 HEX NYLON LOCK                                             |
| 16     | 5044933    | 2   | SPACER, .39 X .75 X .38, PM, CZ                                        |
| 17     | 5025612    | 4   | PIN, HAIR, .1719 X 3-1/4, 7/8 EYE, CZ                                  |

# Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5303856  
5303857

26 - Wire Harness, Kawasaki Electric Start, W25  
(S/N: 2017711285 & Below)

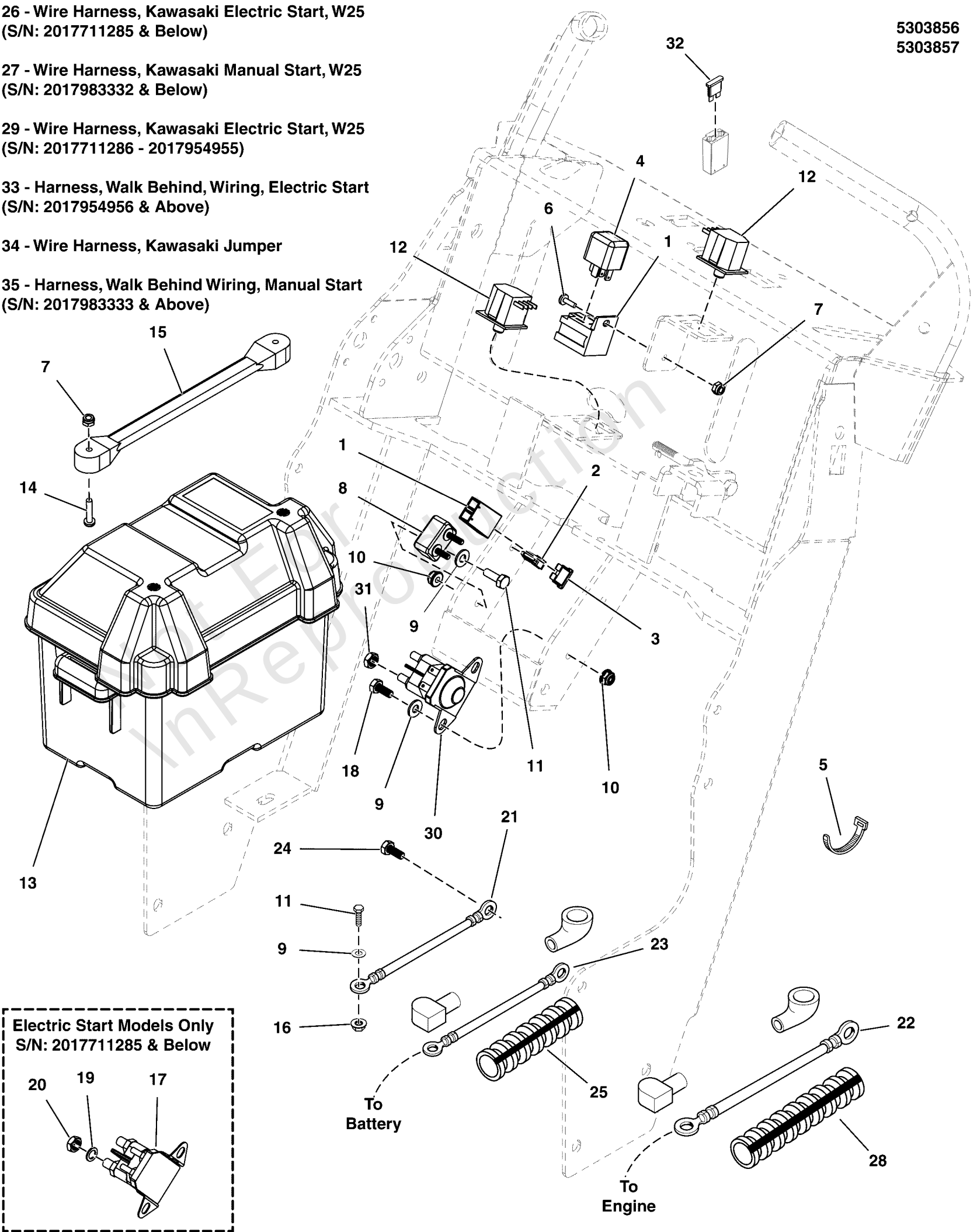
27 - Wire Harness, Kawasaki Manual Start, W25  
(S/N: 2017983332 & Below)

29 - Wire Harness, Kawasaki Electric Start, W25  
(S/N: 2017711286 - 2017954955)

33 - Harness, Walk Behind, Wiring, Electric Start  
(S/N: 2017954956 & Above)

34 - Wire Harness, Kawasaki Jumper

35 - Harness, Walk Behind Wiring, Manual Start  
(S/N: 2017983333 & Above)



## Electrical Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                                                       |
|--------|------------|-----|---------------------------------------------------------------------------------------------------|
| 1      | -----      | 1   | SEE WIRE HARNESS PART NUMBER                                                                      |
| 2      | 5103761    | 2   | FIR TREE MOUNT, PACKARD<br>-(Qty: 1 - Manual Start Models)                                        |
| 3      | 5101935    | 1   | FUSE, ATO-15 (15 AMP)(SV)                                                                         |
| 4      | 5021766    | 1   | RELAY, 12 VOLT, 40 AMP                                                                            |
| 5      | 5021029    | 8   | TIE, SELF-LOCKING, 12"                                                                            |
| 6      | 5025179X4  | 1   | SCREW, #10-24 X 1/2" ROUND PHILLIPS                                                               |
| 7      | 5025271    | 3   | NUT, Hex, Nylon Lock, #10-24<br>-(Qty: 1 - Manual Start Models)                                   |
| 8      | 1665238    | 1   | BREAKER-CIRCUIT 12VOLT 20AMPS W/TAB<br>-(Electric Start Models Only - S/N: 2017711285 & Below)    |
| 9      | 5025154    | 5   | WASHER, 1/4 SAE<br>-(Electric Start Models Only)                                                  |
| 10     | 5025391    | 3   | NUT, 1/4-20 Hex Nylock Flange<br>-(Electric Start Models Only)                                    |
| 11     | 5025010X6  | 3   | BOLT, 1/4"-20 X 3/4" GD5 YZ<br>-(Electric Start Models Only)                                      |
| 12     | 5101280    | 2   | SWITCH, PLUNGER, NO/NC SNAP-IN, LOW PROFILE                                                       |
| 13     | 5100688    | 1   | BATTERY BOX, W/ DRAIN HOLE<br>-(Electric Start Models Only)                                       |
| 14     | 5025270    | 2   | MACHINE SCREW, Truss Head #10-24 x 1<br>-(Electric Start Models Only)                             |
| 15     | 5021670    | 1   | STRAP, RUBBER<br>-(Electric Start Models Only)                                                    |
| 16     | 5025126    | 2   | NUT, Hex, Serrated Flange, 1/4-20<br>-(Electric Start Models Only)                                |
| 17     | 1724815    | 1   | SOLENOID-4 POLE 12 VOLT DC (TROMBETTA)<br>-(Electric Start Models Only - S/N: 2017711285 & Below) |
| 18     | -----      | 4   | HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR<br>-(Electric Start Models Only)                            |
| 19     | 5023217    | 2   | WASHER, Light Lock, 5/16<br>-(Electric Start Models Only - S/N: 2017711285 & Below)               |
| 20     | 5023216    | 2   | NUT, Hex Jam, 5/16-24<br>-(Electric Start Models Only - S/N: 2017711285 & Below)                  |
| 21     | 5021406    | 1   | BATTERY CABLE, NEG, 22, 1/4-5/16<br>-(Electric Start Models Only)                                 |
| 22     | 5023488    | 1   | BATTERY CABLE, POS, 22, 1/4-5/16<br>-(Electric Start Models Only)                                 |
| 23     | 5047136    | 1   | BATTERY CABLE, POS, 15, 1/4-5/16<br>-(Electric Start Models Only)                                 |
| 24     | 5025249    | 1   | BOLT, M8-1.25 X 20 MM GD 8.8                                                                      |
| 25     | 5050927X10 | 1   | WIRE LOOM, 3/8 ID X 10 IN<br>-(Electric Start Models Only)                                        |
| 26     | 5412954    | 1   | WIRE HARNESS, KAWI ELEC START, SW25<br>-(Electric Start Models Only - S/N: 2017711285 & Below)    |
| 27     | 5412955    | 1   | WIRE HARNESS, KAWI MANUAL START, SW25<br>-(Manual Start Models Only - S/N: 2017983332 & Below)    |
| 28     | 5050927X16 | 1   | WIRE LOOM, 3/8 ID X 16 IN<br>-(Electric Start Models Only)                                        |
| 29     | 5416152    | 1   | WIRE HARNESS, W25, KAWI ELECTRIC<br>-(Electric Start Models Only - S/N: 2017711286 - 2017954955)  |
| 30     | 1755382    | 1   | SOLENOID, STD-BRACKET, 2-SPADE<br>-(Electric Start Models Only - S/N: 2017711286 & Above)         |
| 31     | 80003921   | 1   | NUT, 1/4-20, KEPS, CONICAL WSHR, ZC/CL<br>-(Electric Start Models Only - S/N: 2017711286 & Above) |
| 32     | 5021603    | 1   | FUSE, ATO-20 (20 AMP)(SV)<br>-(Electric Start Models Only - S/N: 2017711286 & Above)              |
| 33     | 5105538    | 1   | HARNESS, WALK BEHIND, WIRING<br>-(Electric Start Models Only - S/N: 201954956 & Above)            |

# Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5303856  
5303857

26 - Wire Harness, Kawasaki Electric Start, W25  
(S/N: 2017711285 & Below)

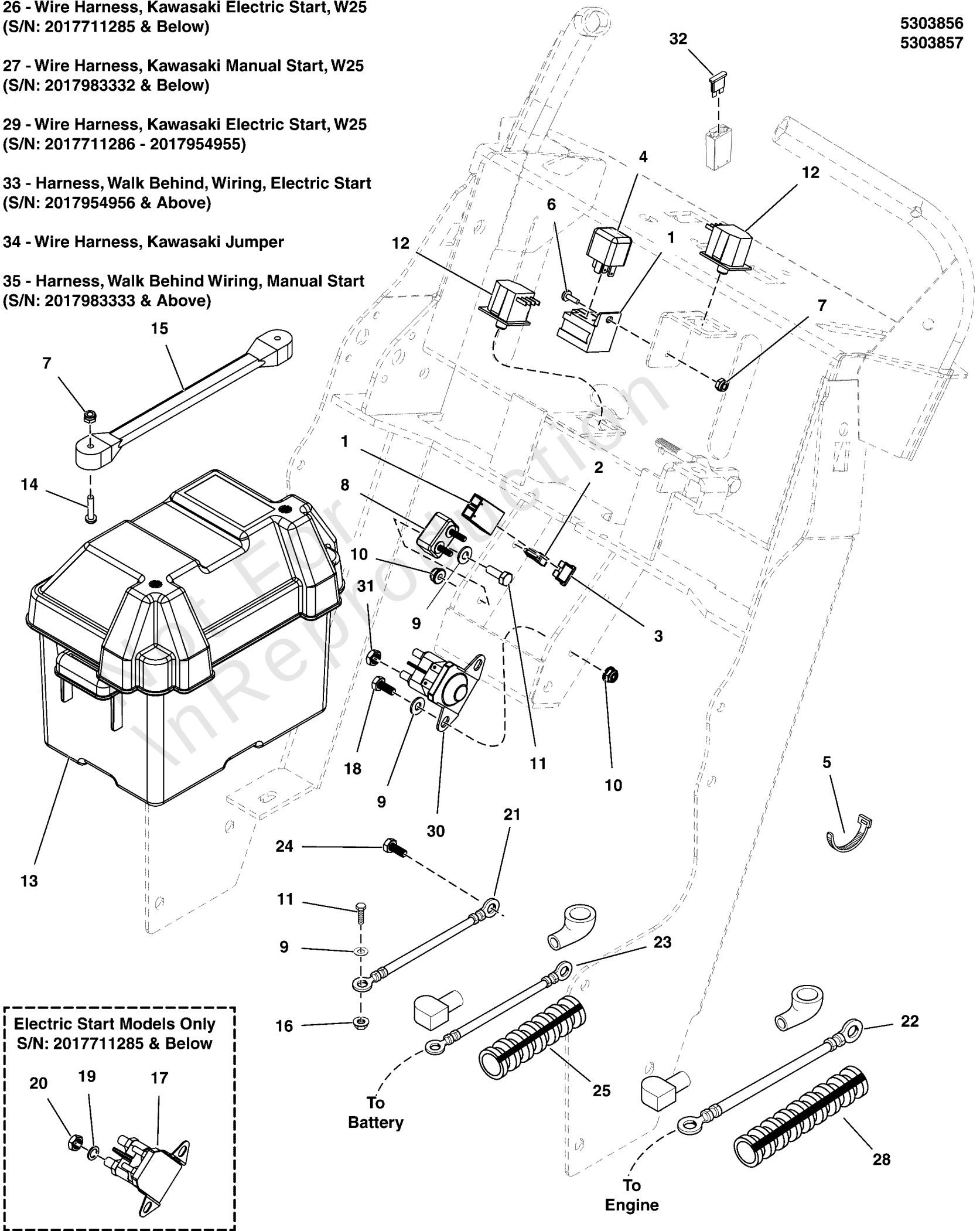
27 - Wire Harness, Kawasaki Manual Start, W25  
(S/N: 2017983332 & Below)

29 - Wire Harness, Kawasaki Electric Start, W25  
(S/N: 2017711286 - 2017954955)

33 - Harness, Walk Behind, Wiring, Electric Start  
(S/N: 2017954956 & Above)

34 - Wire Harness, Kawasaki Jumper

35 - Harness, Walk Behind Wiring, Manual Start  
(S/N: 2017983333 & Above)



## ***Electrical Group***

| REF NO | PART NO | QTY | DESCRIPTION                                                                                |
|--------|---------|-----|--------------------------------------------------------------------------------------------|
| 34     | 5104811 | 1   | WIRE HARNESS, JUMPER, KAWI<br>-(Electric Start Models Only - S/N: 201954956 & Above)       |
| 35     | 5105539 | 1   | HARNESS, MANUAL START WALK WIRING<br>-(Manual Start Models Only - S/N: 2017983333 & Above) |

Not For InReproduction

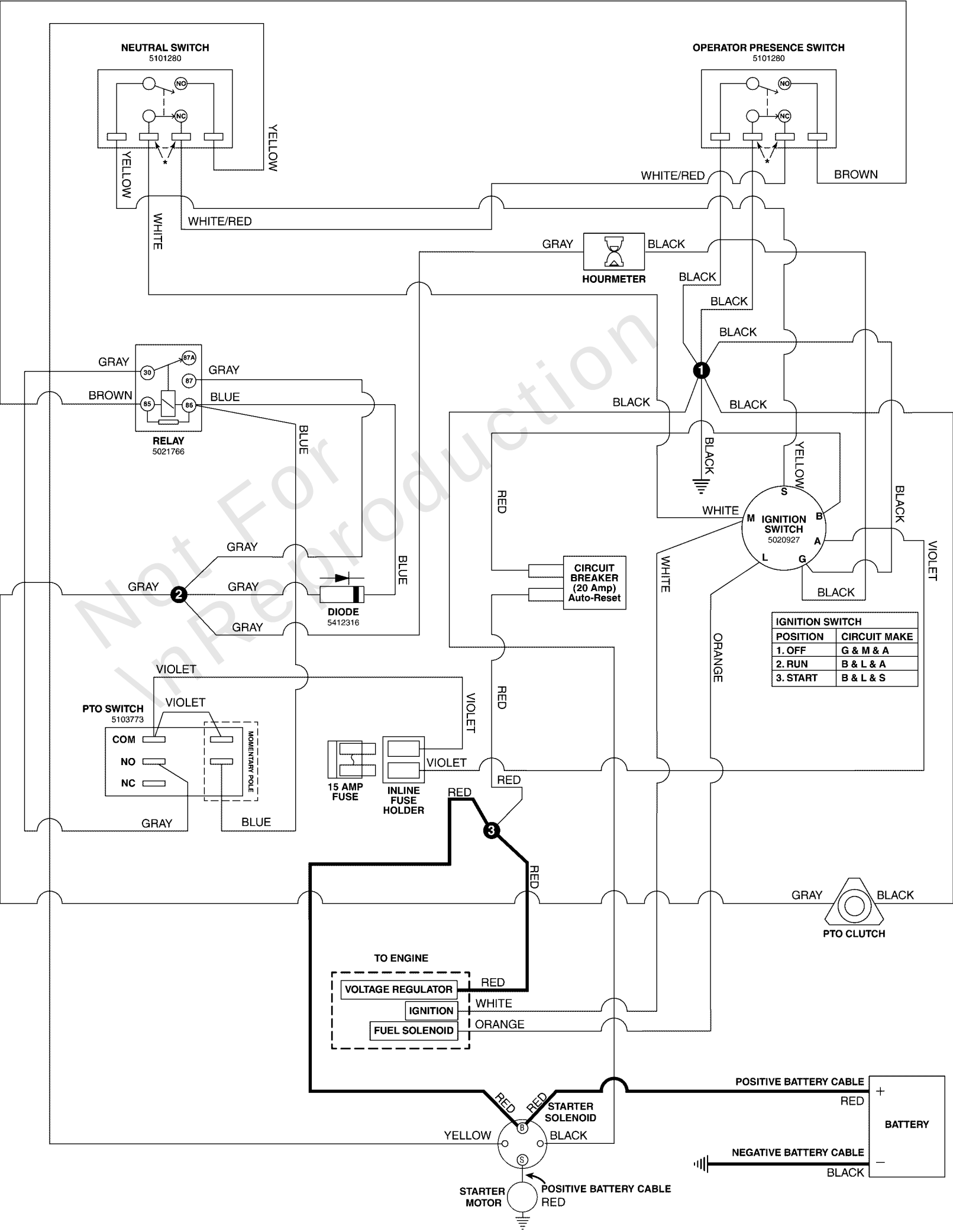
Electrical Schematic - Charging Circuit Electric Start S/N: 2017711285 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

Main Wire Harness (Electric Start)  
5412954

\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.





***Electrical Schematic - Charging Circuit Electric Start S/N: 2017711285 & Below***

| REF NO  | PART NO | QTY | DESCRIPTION                         |
|---------|---------|-----|-------------------------------------|
| 5412954 | 5412954 | 1   | WIRE HARNESS, KAWI ELEC START, SW25 |

Not For In Reproduction

Electrical Schematic - Charging Circuit Electric Start S/N: 2017711286 to 2017954955

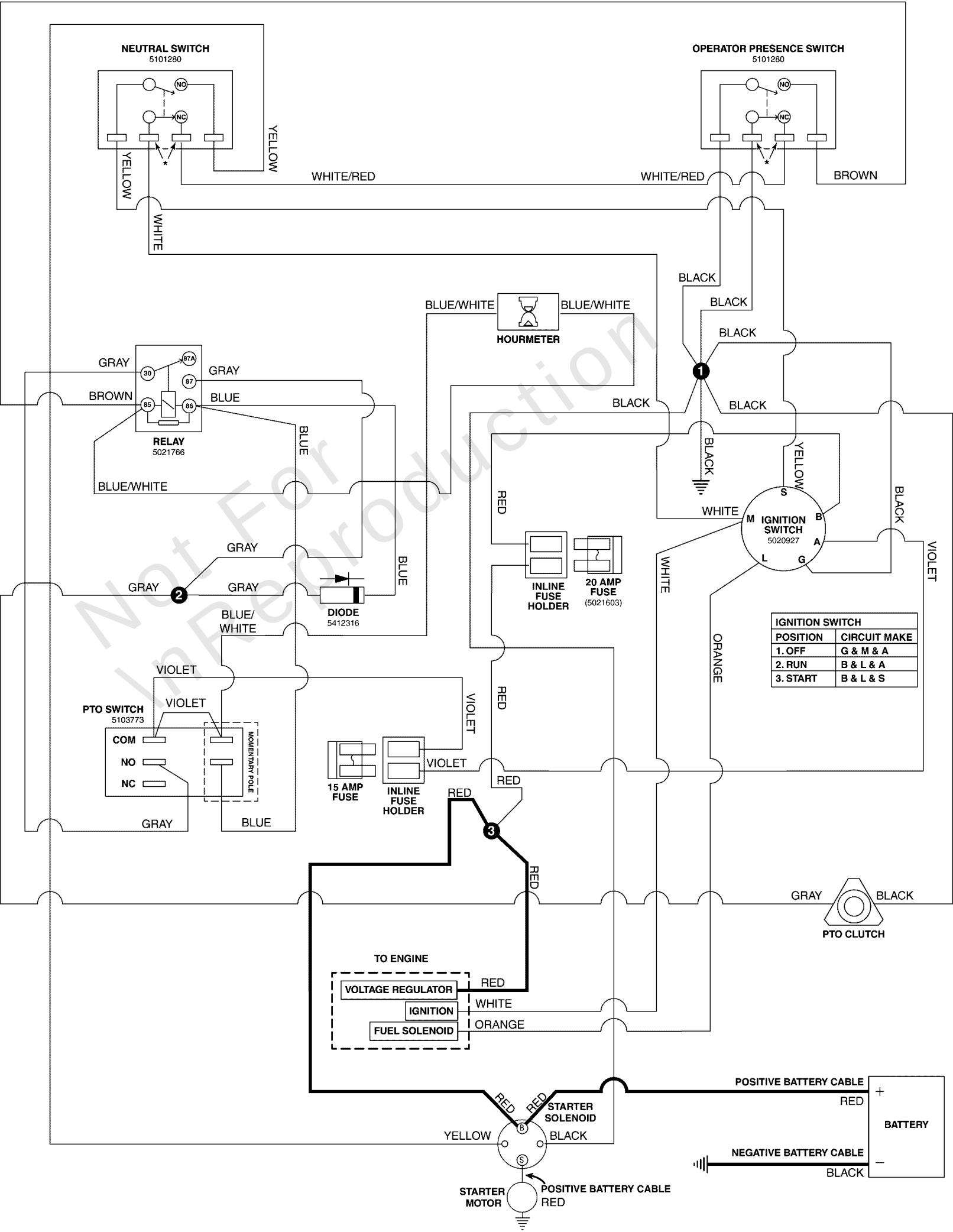
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5416152 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5416152

(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.)  
\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



*Electrical Schematic - Charging Circuit Electric Start S/N: 2017711286 to 2017954955*

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|---------|-----|-------------|
|--------|---------|-----|-------------|

Not For In Reproduction

Electrical Schematic - Charging Circuit Electric Start S/N: 2017954956 & Above

Note: Unless noted otherwise, use the standard torque specifications

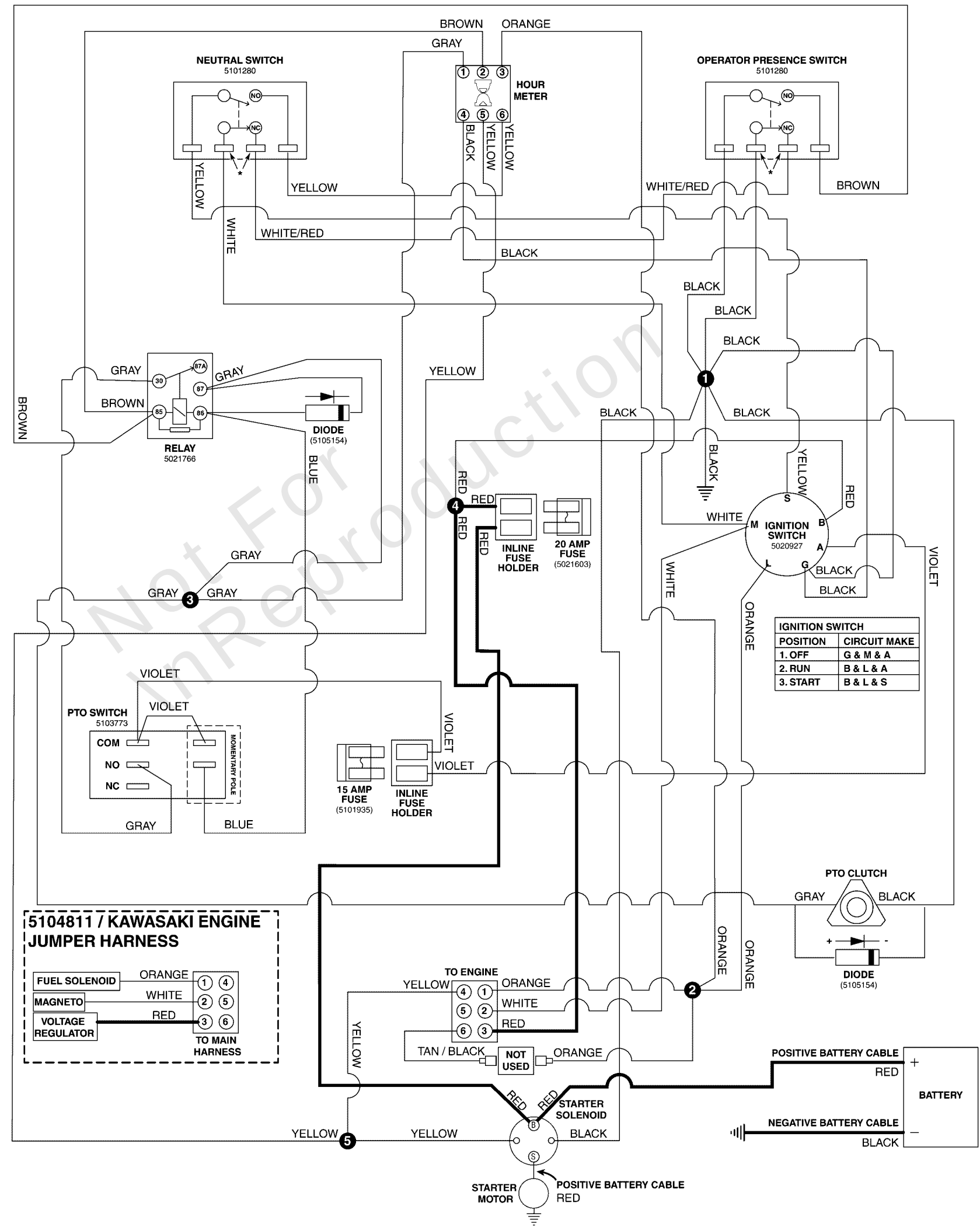
Mfg. No: 5901426

5105538 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5105538C

(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.)

\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



# ***Electrical Schematic - Charging Circuit Electric Start S/N: 2017954956 & Above***

| REF NO  | PART NO | QTY | DESCRIPTION                  |
|---------|---------|-----|------------------------------|
| 5105538 | 5105538 | 1   | HARNESS, WALK BEHIND, WIRING |
| 5104811 | 5104811 | 1   | WIRE HARNESS, JUMPER, KAWI   |

Not For In Reproduction

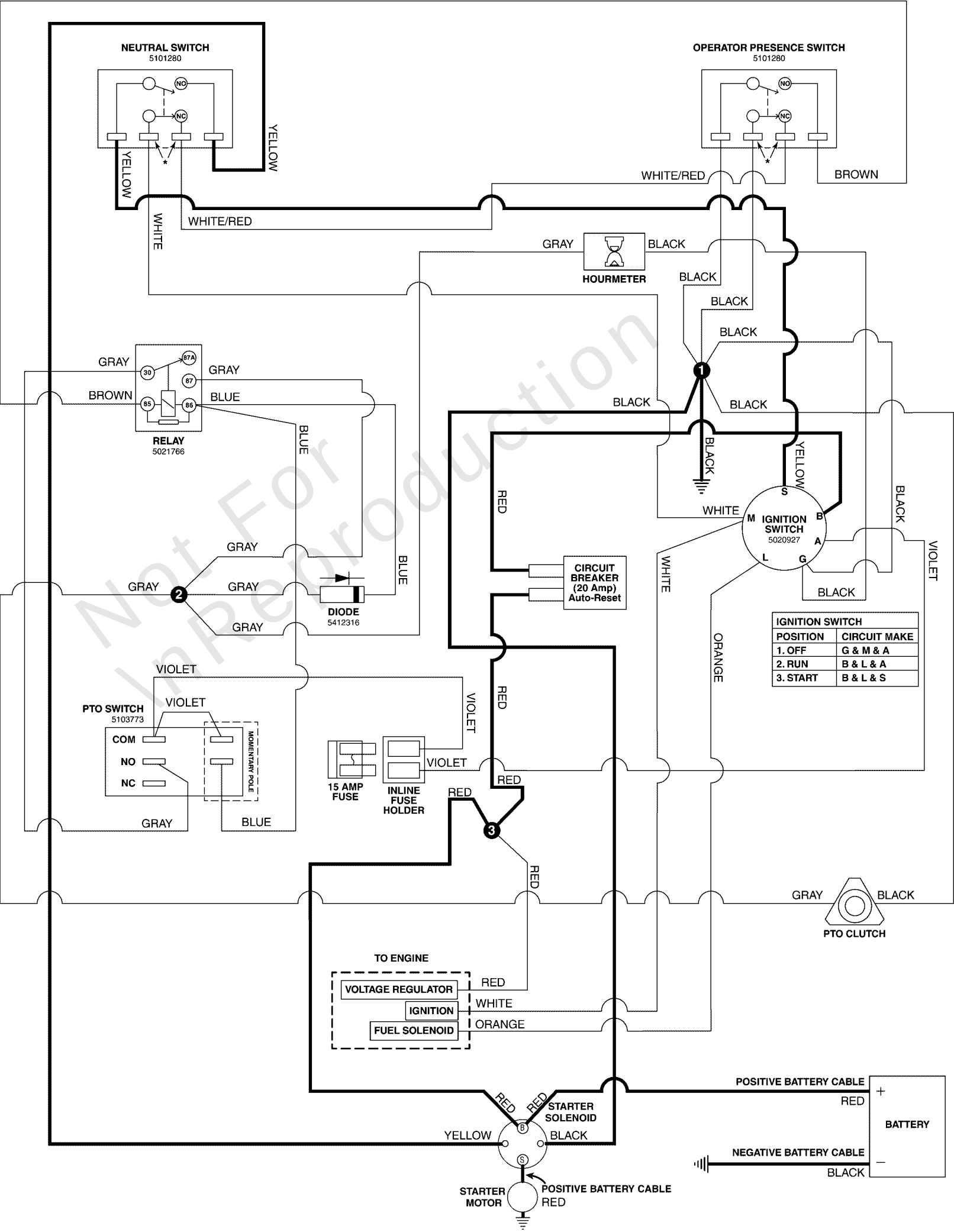
Electrical Schematic - Cranking Circuit Electric Start S/N: 2017711285 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

Main Wire Harness (Electric Start)  
5412954

\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



# ***Electrical Schematic - Cranking Circuit Electric Start S/N: 2017711285 & Below***

| REF NO  | PART NO | QTY | DESCRIPTION                         |
|---------|---------|-----|-------------------------------------|
| 5412954 | 5412954 | 1   | WIRE HARNESS, KAWI ELEC START, SW25 |

Not For In Reproduction

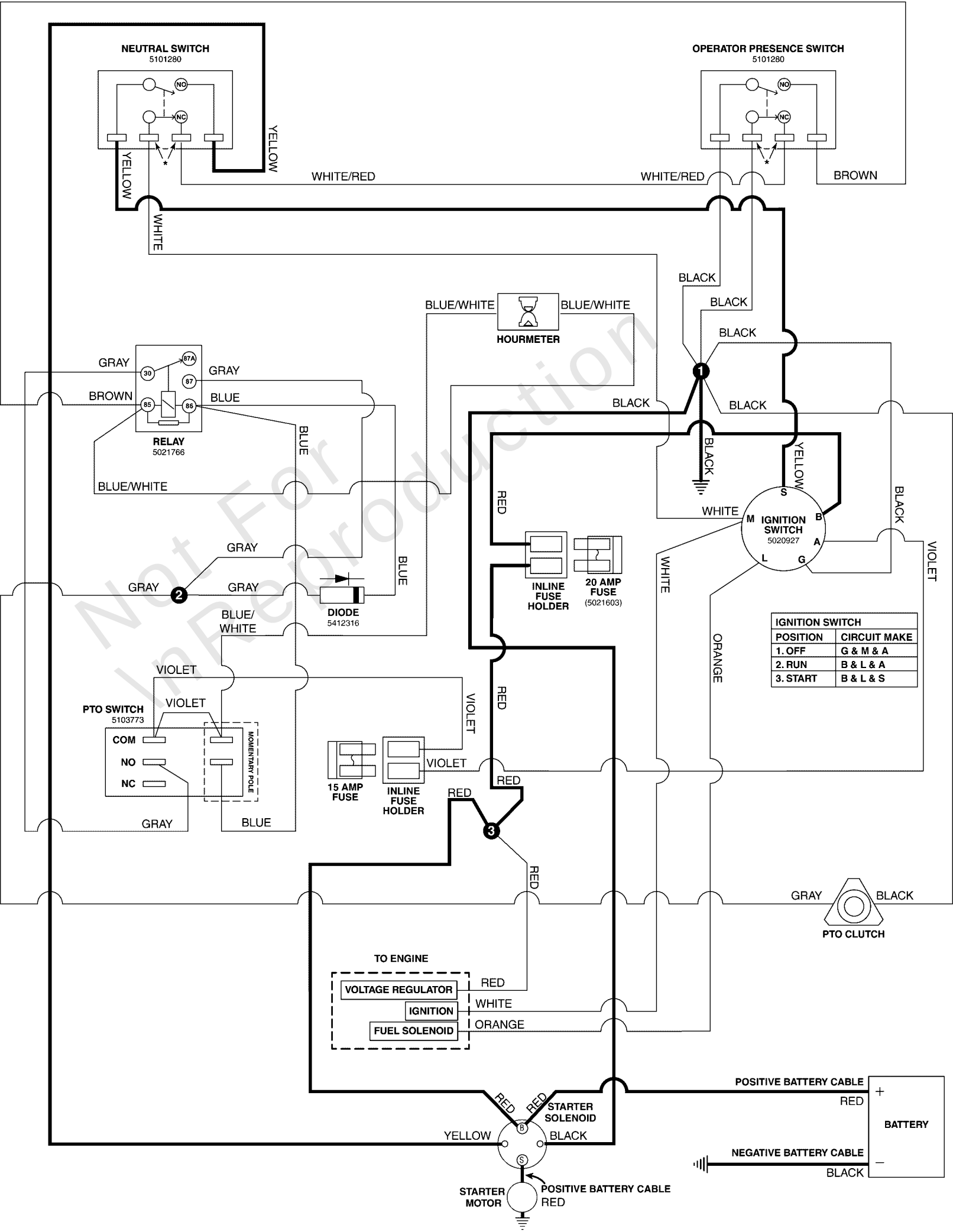
Electrical Schematic - Cranking Circuit Electric Start S/N: 2017711286 to 2017954955

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901426

5416152 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5416152

(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.)  
\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.





*Electrical Schematic - Cranking Circuit Electric Start S/N: 2017711286 to 2017954955*

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|---------|-----|-------------|
|--------|---------|-----|-------------|

Not For In Reproduction

Electrical Schematic - Cranking Circuit Electric Start S/N: 2017954956 & Above

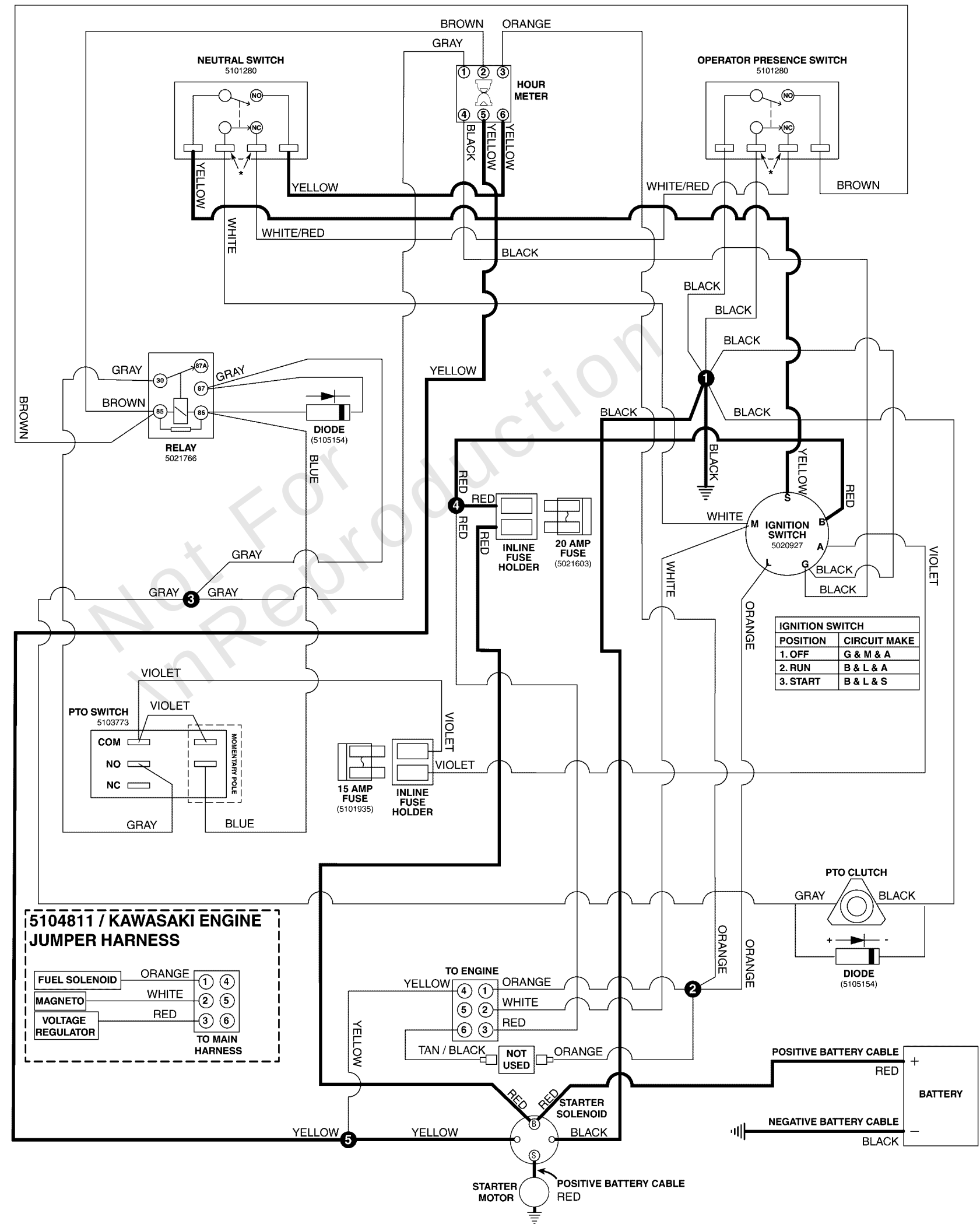
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5105538 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5105538C

(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.)  
\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



## ***Electrical Schematic - Cranking Circuit Electric Start S/N: 2017954956 & Above***

| REF NO  | PART NO | QTY | DESCRIPTION                  |
|---------|---------|-----|------------------------------|
| 5105538 | 5105538 | 1   | HARNESS, WALK BEHIND, WIRING |
| 5104811 | 5104811 | 1   | WIRE HARNESS, JUMPER, KAWI   |

Not For In Reproduction

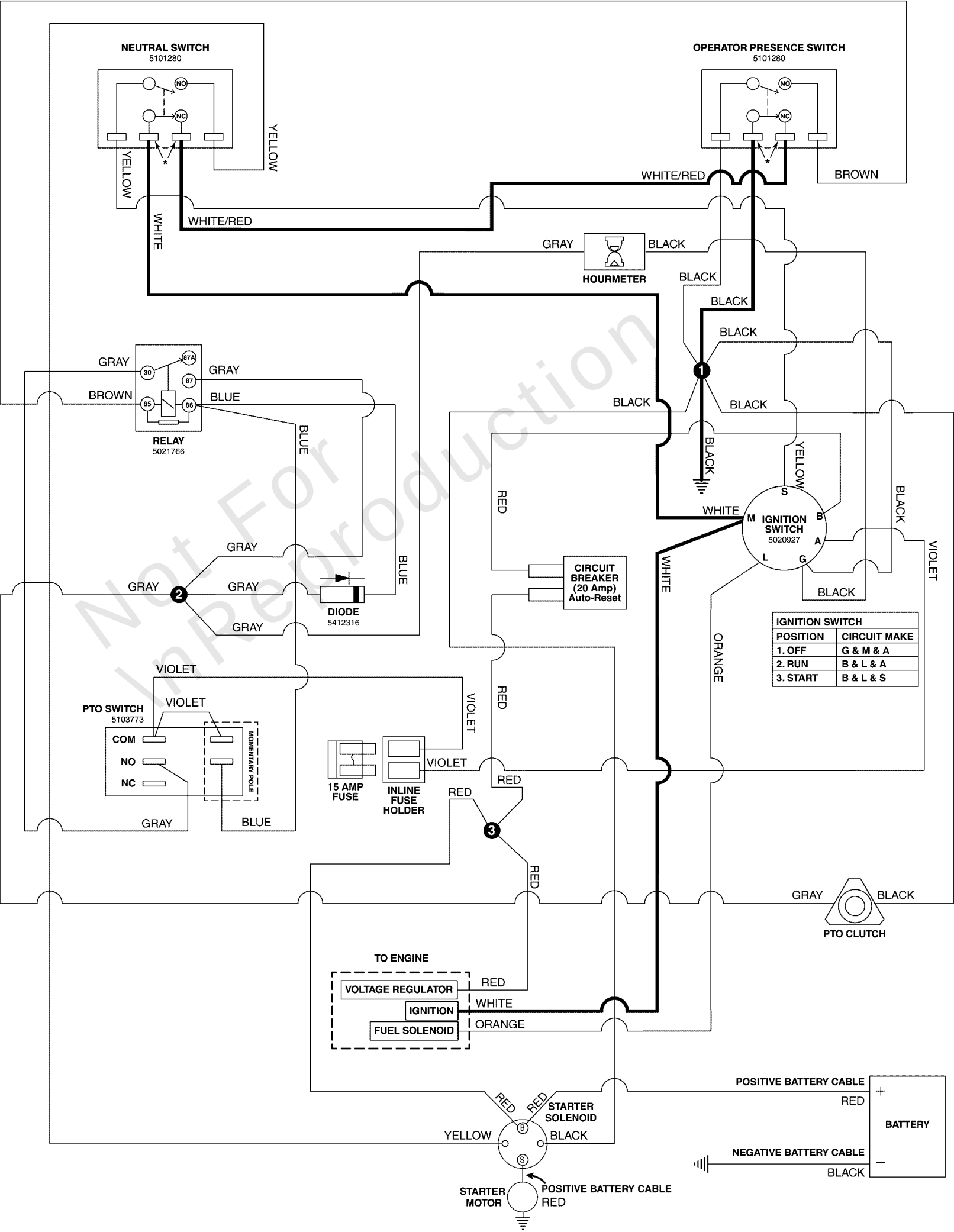
Electrical Schematic - Engine Op. Pres. Circuit Electric Start S/N: 2017711285 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

Main Wire Harness (Electric Start)  
5412954

\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



***Electrical Schematic - Engine Op. Pres. Circuit Electric Start S/N: 2017711285 & Below***

| REF NO  | PART NO | QTY | DESCRIPTION                         |
|---------|---------|-----|-------------------------------------|
| 5412954 | 5412954 | 1   | WIRE HARNESS, KAWI ELEC START, SW25 |

Not For In Reproduction

Electrical Schematic - Engine Op. Pres. Circuit Electric Start S/N: 2017711286 to

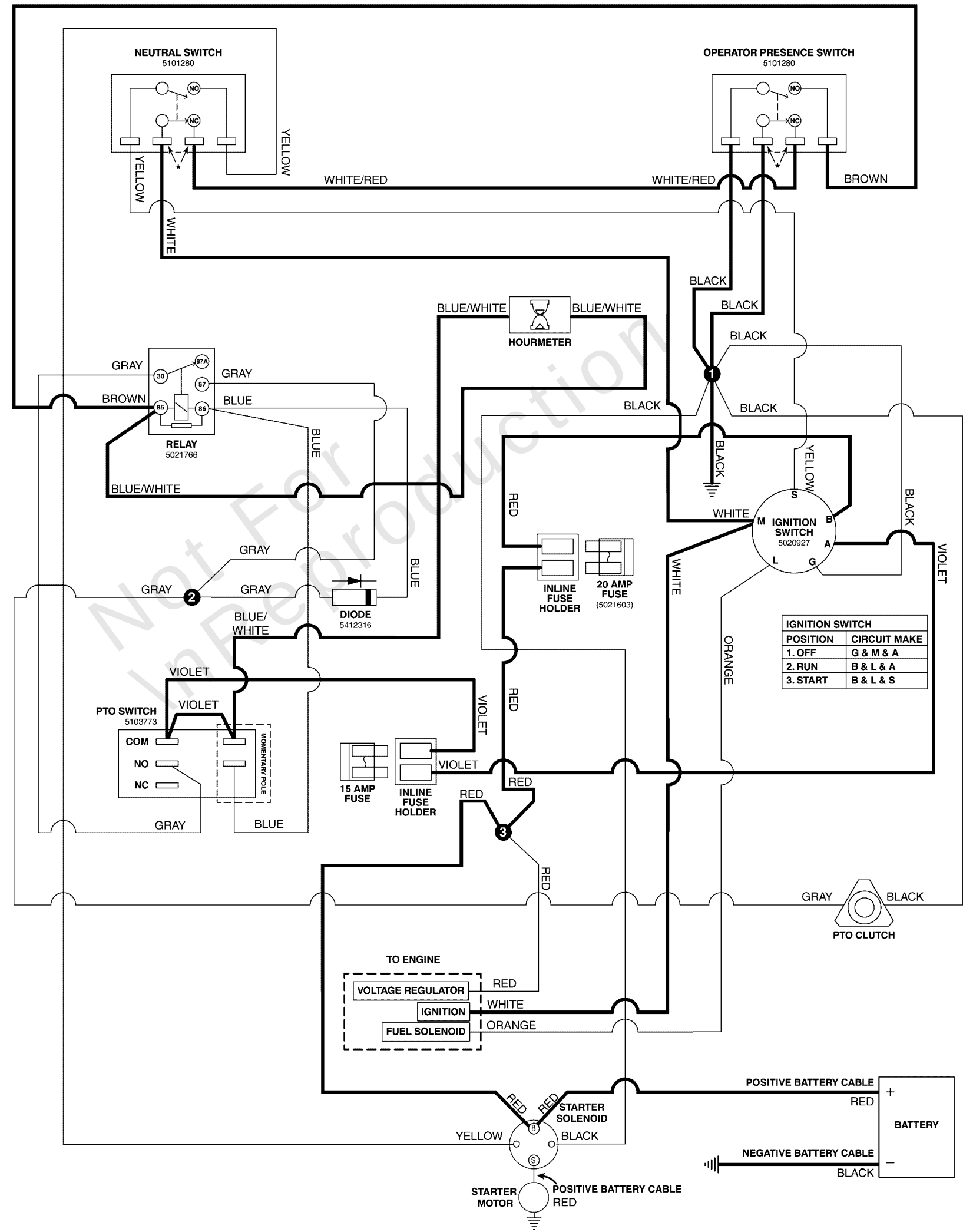
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5416152 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5416152

(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.)  
\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



*Electrical Schematic - Engine Op. Pres. Circuit Electric Start S/N: 2017711286 to*

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|---------|-----|-------------|
|--------|---------|-----|-------------|

Not For InReproduction

Electrical Schematic - Engine Op. Pres. Circuit Electric Start S/N: 2017954956 & Above

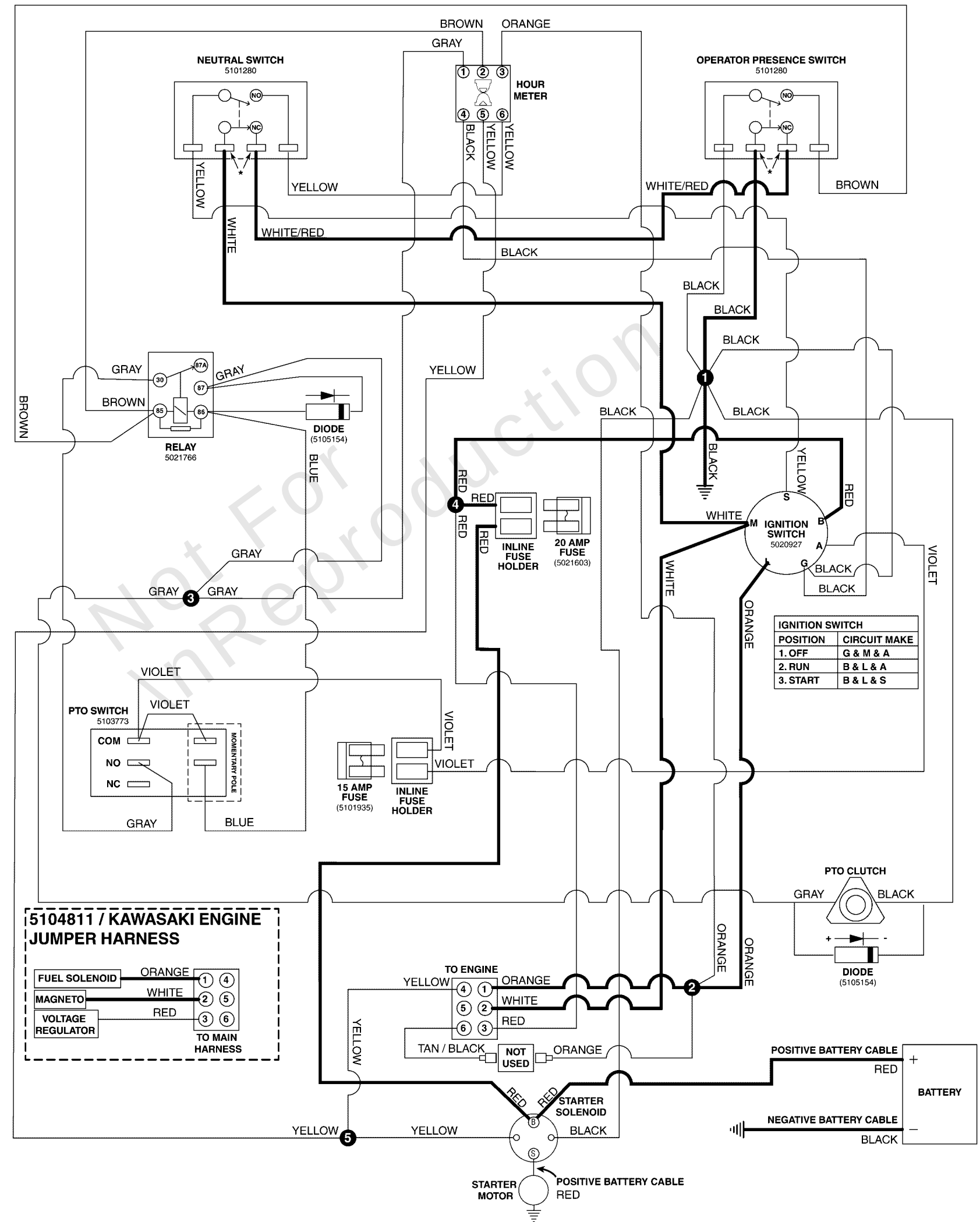
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5105538 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5105538C

(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.)  
\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.





***Electrical Schematic - Engine Op. Pres. Circuit Electric Start S/N: 2017954956 & Above***

| REF NO  | PART NO | QTY | DESCRIPTION                  |
|---------|---------|-----|------------------------------|
| 5105538 | 5105538 | 1   | HARNESS, WALK BEHIND, WIRING |
| 5104811 | 5104811 | 1   | WIRE HARNESS, JUMPER, KAWI   |

Not For In Reproduction

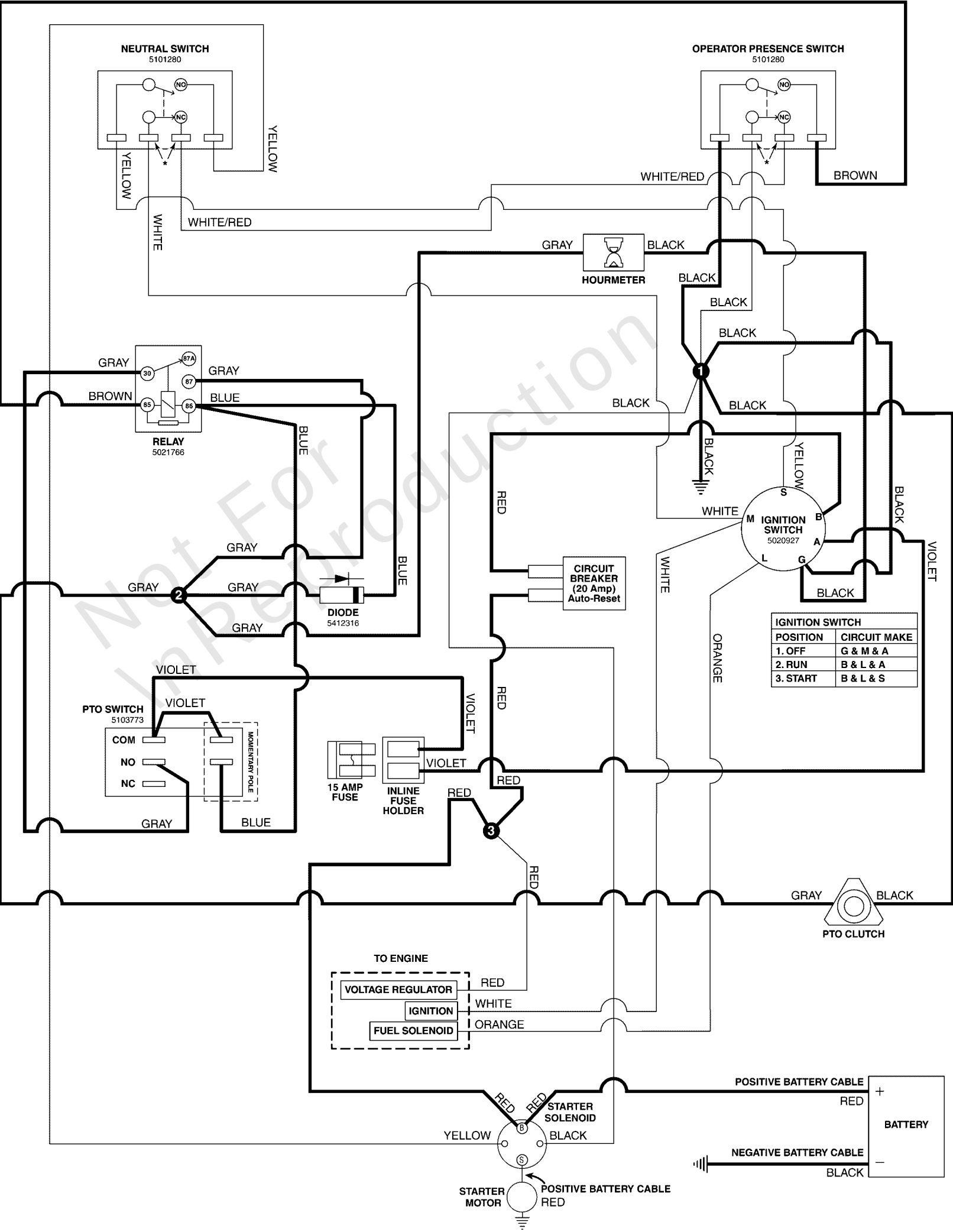
Electrical Schematic - PTO Op. Pres. Circuit Electric Start S/N: 2017711285 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

Main Wire Harness (Electric Start)  
5412954

\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



***Electrical Schematic - PTO Op. Pres. Circuit Electric Start S/N: 2017711285 & Below***

| REF NO  | PART NO | QTY | DESCRIPTION                         |
|---------|---------|-----|-------------------------------------|
| 5412954 | 5412954 | 1   | WIRE HARNESS, KAWI ELEC START, SW25 |

Not For In Reproduction

Electrical Schematic - PTO Op. Pres. Circuit Electric Start S/N: 2017711286 to

Note: Unless noted otherwise, use the standard torque specifications

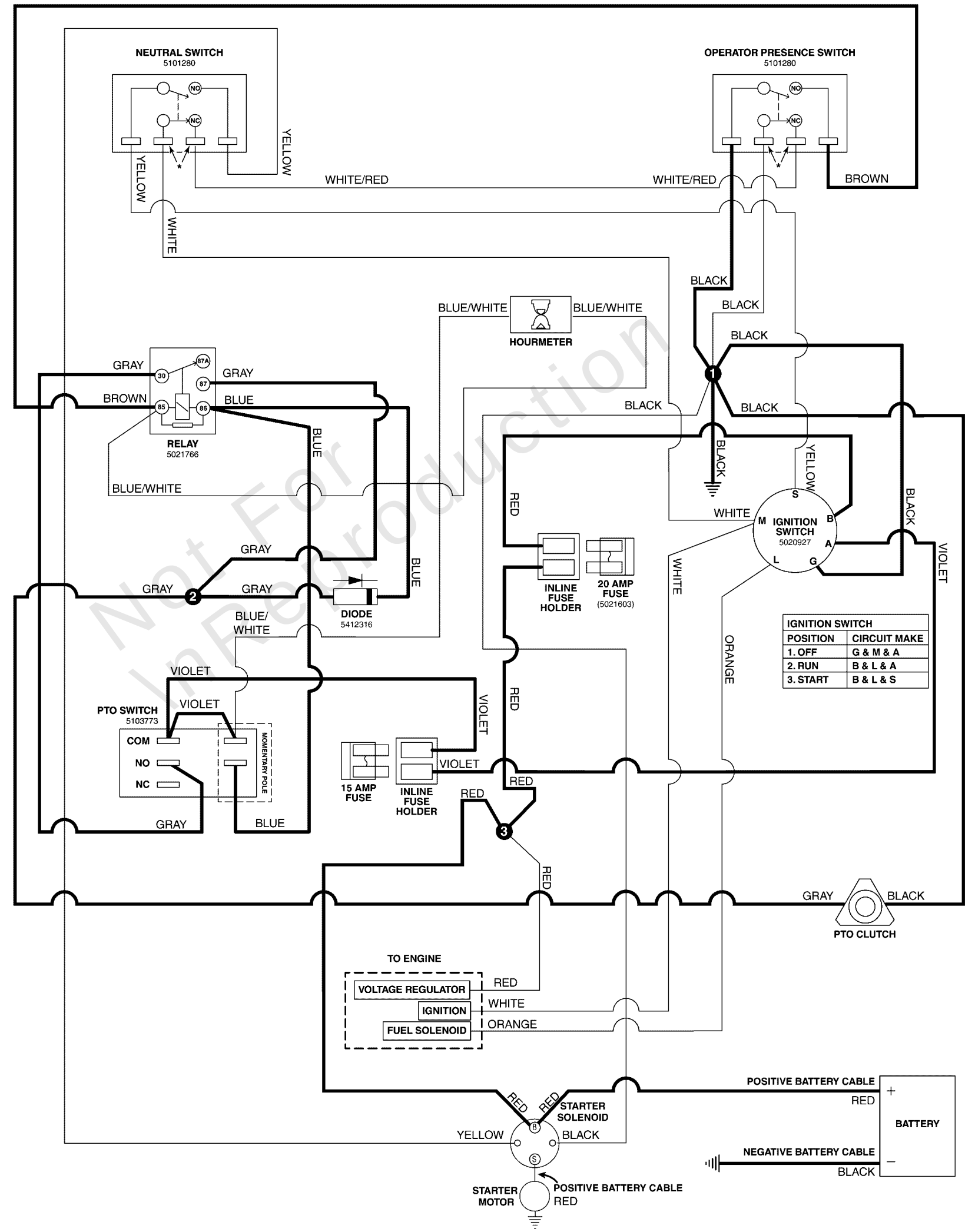
Mfg. No: 5901426

5416152 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5416152

(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.)

\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.



*Electrical Schematic - PTO Op. Pres. Circuit Electric Start S/N: 2017711286 to*

| REF NO | PART NO | QTY | DESCRIPTION |
|--------|---------|-----|-------------|
|--------|---------|-----|-------------|

Not For In Reproduction

Electrical Schematic - PTO Op. Pres. Circuit Electric Start S/N: 2017954956 & Above

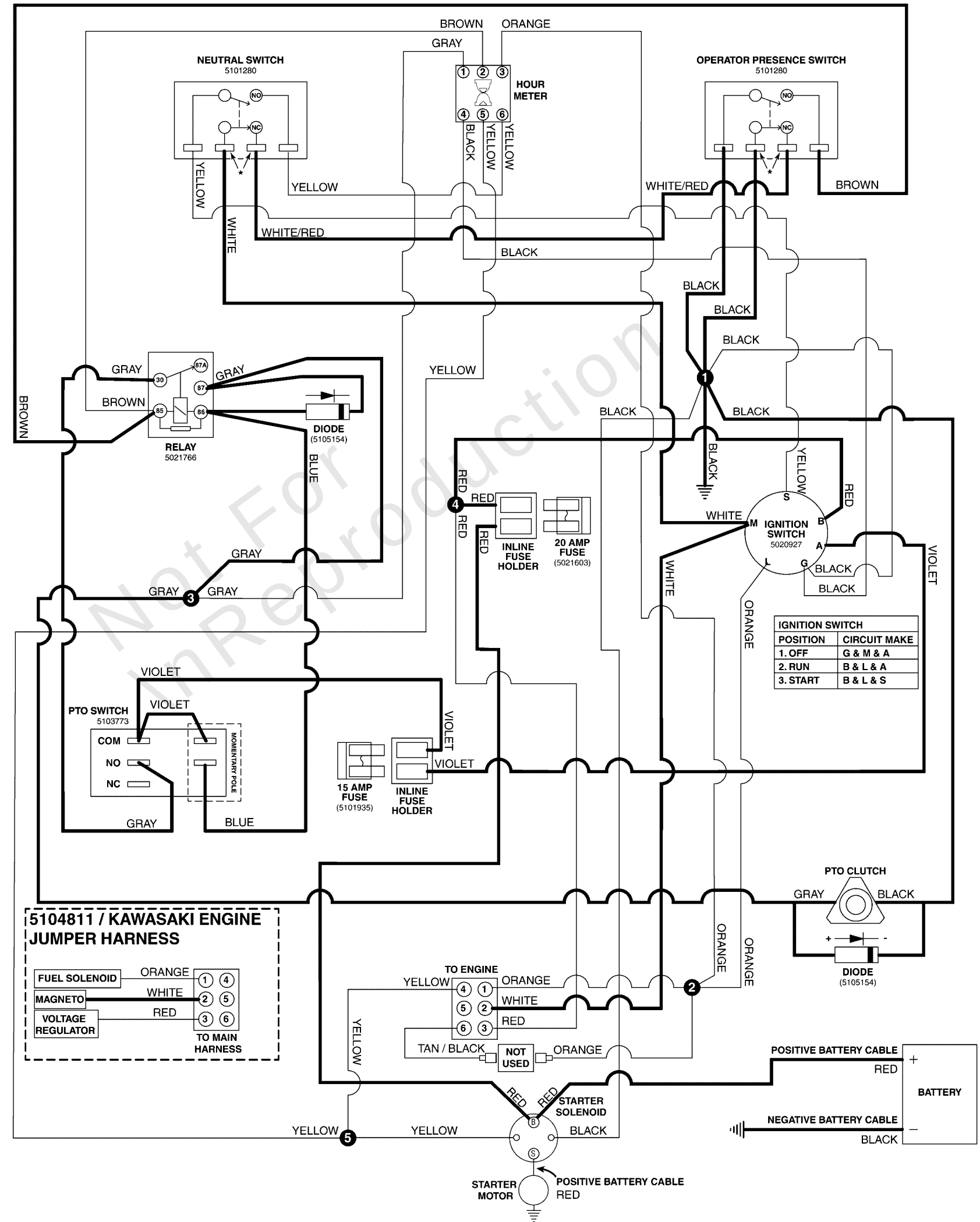
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5105538 / MAIN WIRE HARNESS - KAWASAKI FS600V ENGINES

5105538C

(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.)  
\*This switch uses a "shorting" connector. When the connector is unplugged, the terminals going to the identified pole will have continuity.

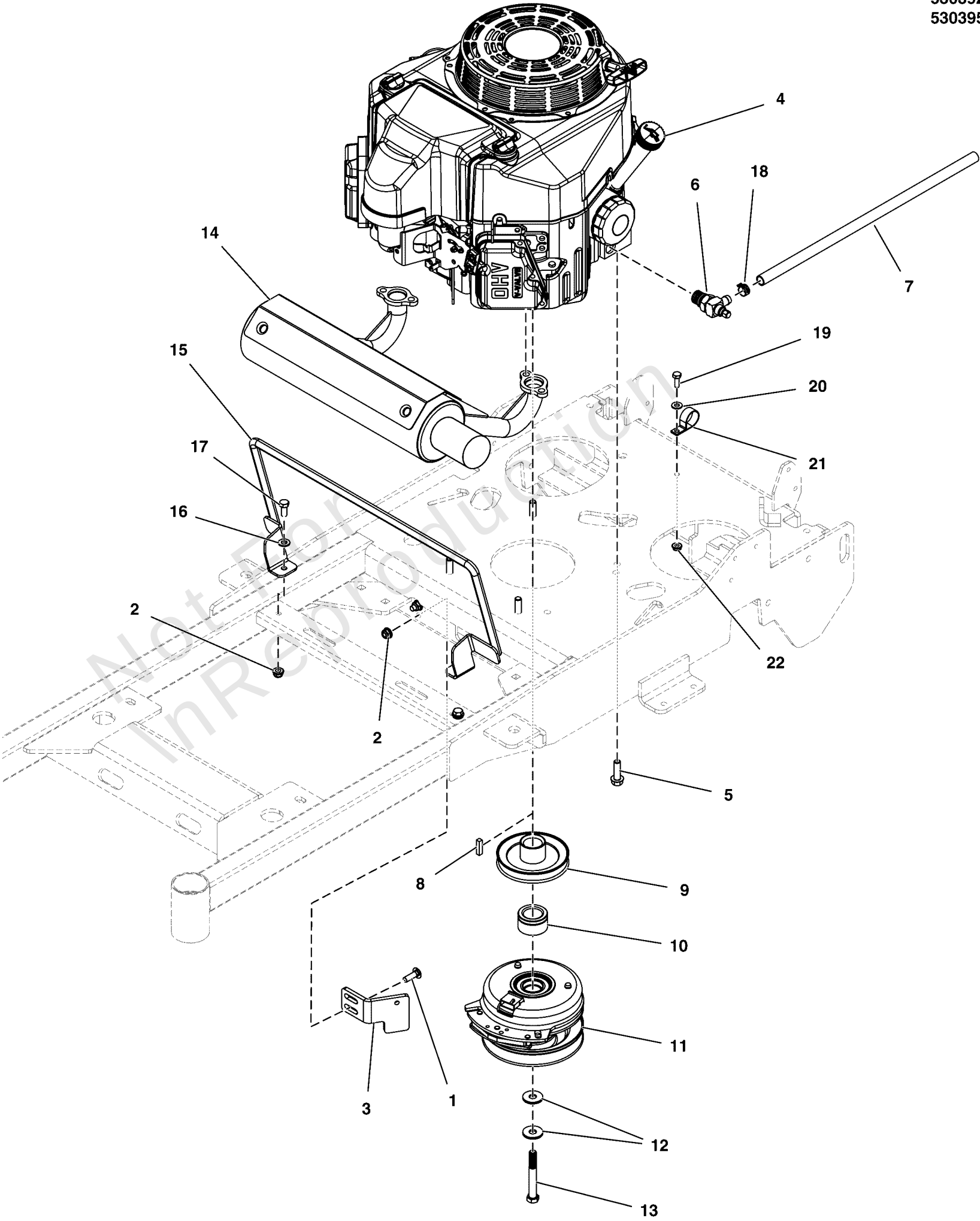


# ***Electrical Schematic - PTO Op. Pres. Circuit Electric Start S/N: 2017954956 & Above***

| REF NO  | PART NO | QTY | DESCRIPTION                  |
|---------|---------|-----|------------------------------|
| 5105538 | 5105538 | 1   | HARNESS, WALK BEHIND, WIRING |
| 5104811 | 5104811 | 1   | WIRE HARNESS, JUMPER, KAWI   |

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5303925  
5303955





## Engine & PTO Group

| REF NO | PART NO    | QTY | DESCRIPTION                                           |
|--------|------------|-----|-------------------------------------------------------|
| 1      | 5025145X8  | 2   | BOLT, 5/16-18 X 1, CARRIAGE                           |
| 2      | 5025392    | 4   | NUT, 5/16-18 HEX NYLOCK FLANGE                        |
| 3      | 5413242A   | 1   | PLATE, CLUTCH ANCHOR, SW25/FW25 - BLK                 |
| 4      | -----      | 1   | ENGINE 15HP KAW MAN START 1-1/8"X108.8MM              |
| 4      | -----      | 1   | ENGINE, 18.5HP KAWASAKI, FS600V, ELEC ST              |
| 5      | 5025532    | 4   | BOLT, 3/8-16 X 1-1/4, SF, PLT W/PATCH                 |
| 6      | 5104567    | 1   | VALVE, OIL DRAIN, 90 DEG. M20 X 2.5 THD               |
| 7      | 5104570X18 | 1   | TUBING,CLEAR PVC,1/2"IDX5/8"OD X 18"LG                |
| 8      | 5050407X8  | 1   | KEY, 1/4 SQ X 1                                       |
| 9      | 5104236    | 1   | PULLEY, CRANKSHAFT, 1.125ID X 4.50OD, OS              |
| 10     | 5103892    | 1   | SPACER, 1.13 X 1.75 X .75, CZ                         |
| 11     | 5104440    | 1   | CLUTCH, WARNER, 105 ft lbs - 1.13"                    |
| 12     | 5025585    | 2   | BELLEVILLE WASHER 1.1875 X .442 X .089                |
| 13     | 5102865    | 1   | BOLT, CRANKSHAFT,7/16-20X2-3/4, GD8                   |
| 14     | 5104539    | 1   | MUFFLER, 15-19HP KAWI, WALKS                          |
| 15     | 5413678A   | 1   | WELD, GUARD, MUFFLER, W25 - BLK<br>-(USA Models Only) |
| 16     | 5025155    | 2   | WASHER, 5/16" SAE                                     |
| 17     | 5025011X6  | 2   | BOLT, 5/16-18 X 3/4 GD5                               |
| 18     | 5023268    | 1   | CLAMP, HOSE                                           |
| 19     | 5025010X6  | 1   | BOLT, 1/4-20 X 3/4 GD5 CZ                             |
| 20     | 5025154    | 1   | WASHER, 1/4 SAE                                       |
| 21     | 5021500    | 1   | CLAMP, VINYL INSULATED                                |
| 22     | 5025126    | 1   | NUT, 1/4-20 HEX SERR. FLANGE                          |

0001KAWIFS

**Fits Kawasaki Engine Models Numbers:**

**FS481V**

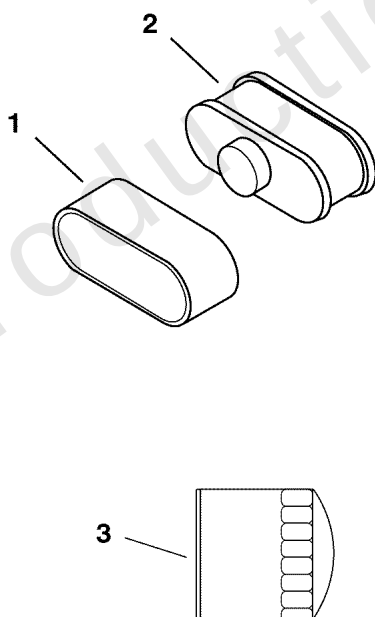
**FS541V**

**FS600V**

**FS651V**

**FS691V**

**FS730V**



### ***Engine Service Parts - Kawasaki (FS481V - FS730V)***

| REF NO | PART NO   | QTY | DESCRIPTION                                                    |
|--------|-----------|-----|----------------------------------------------------------------|
| 1      | 5102278X2 | 1   | FILTER,AIR,OUTER,KAWA FS481V THRU FS730V (11013-7046)<br>-(SV) |
| 2      | 5102278X3 | 1   | FILTER,AIR,INNER,KAWA FS481V THRU FS730V (11013-7049)<br>-(SV) |
| 3      | 5102278X1 | 1   | FILTER,OIL,KAWA FS,FX,FR 603 & 726CC ENG (49065-7007)<br>-(SV) |

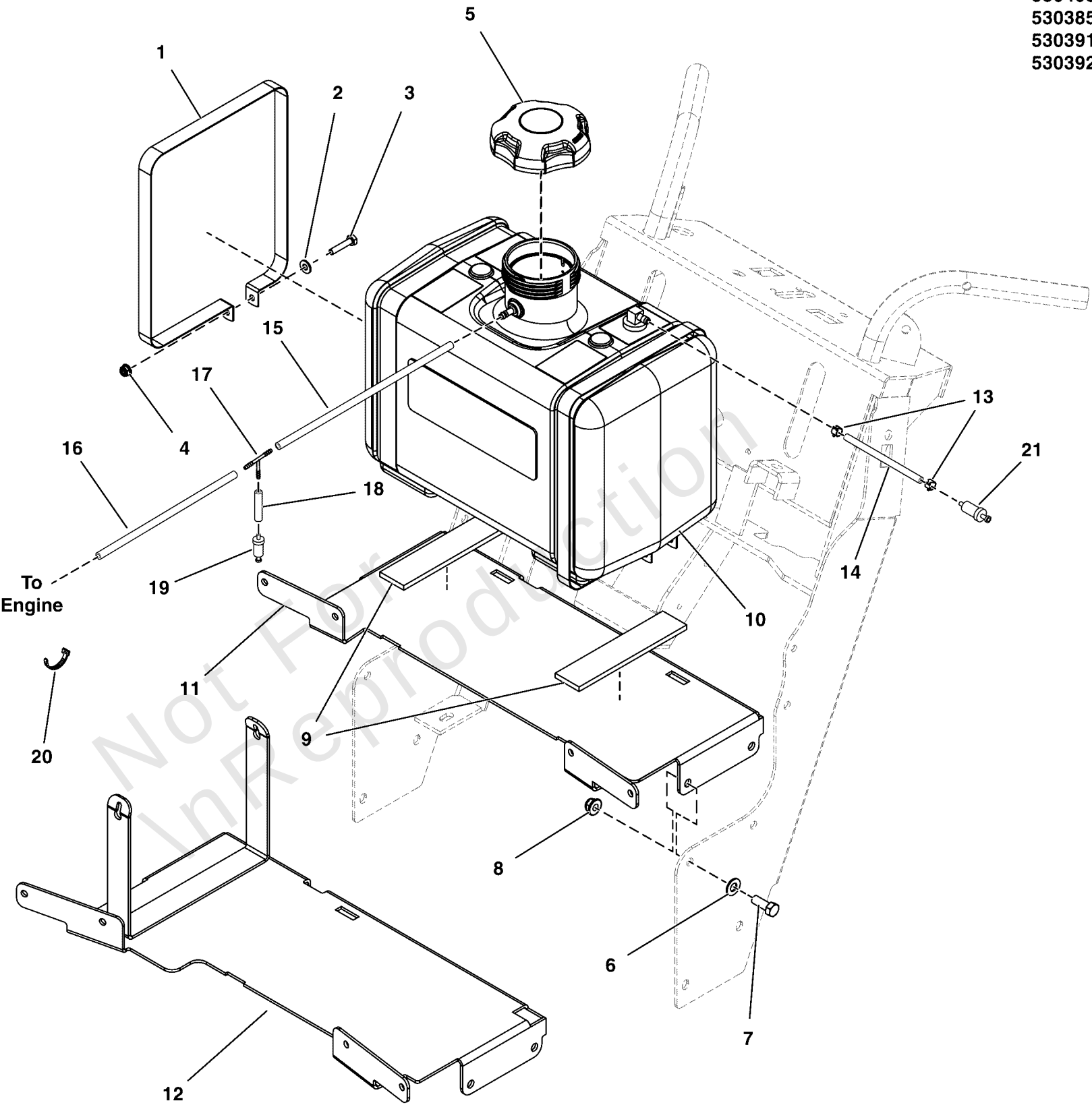
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**Fuel Tank & Mount, Fuel Supply, and EVAP Group (No Canister)**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5304036  
5303858  
5303916  
5303923



### ***Fuel Tank & Mount, Fuel Supply, and EVAP Group (No Canister)***

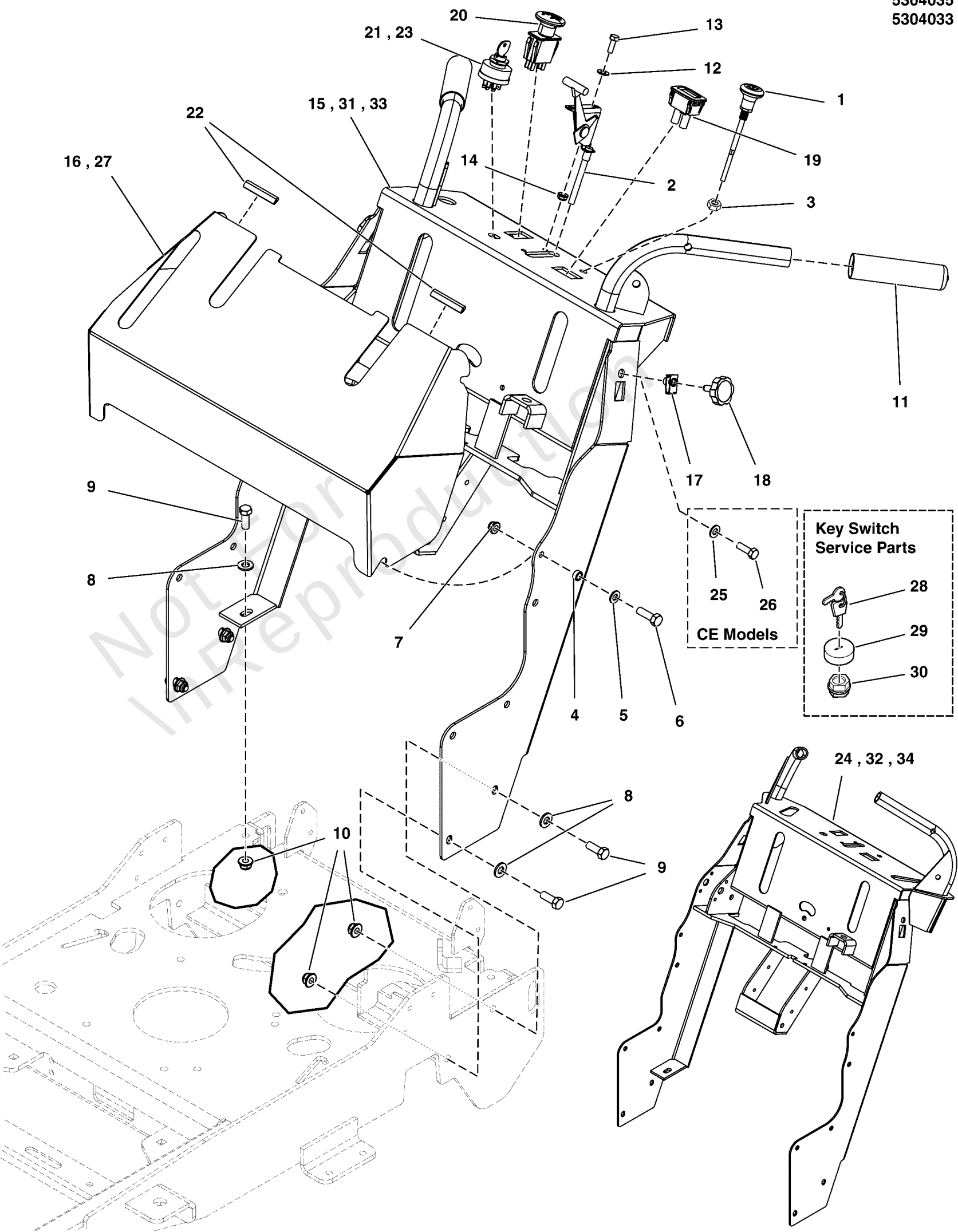
| REF NO | PART NO      | QTY | DESCRIPTION                                                                    |
|--------|--------------|-----|--------------------------------------------------------------------------------|
| 1      | 5403445A     | 2   | STRAP, FUEL TANK                                                               |
| 2      | 5025154      | 2   | WASHER, 1/4 SAE                                                                |
| 3      | 5025010X8    | 2   | BOLT, 1/4-20 X 1" GD5 CZ                                                       |
| 4      | 5025391      | 2   | NUT, 1/4-20 HEX NYLOCK FLANGE                                                  |
| 5      | 5103005      | 1   | FUEL CAP, 3-1/2", MANAGED VENT OUT, 12"                                        |
| 6      | 5025156      | 4   | WASHER, 3/8 SAE                                                                |
| 7      | 5025013X8    | 4   | BOLT, 3/8-16 X 1" GD5 CZ                                                       |
| 8      | 5025394      | 4   | NUT, 3/8-16 HEX NYLOCK FLANGE                                                  |
| 9      | 5100810      | 2   | PAD, RUBBER MOUNT                                                              |
| 10     | 5102833      | 1   | TANK, 4.625 GAL, W DROP TUBE/VENT                                              |
| 11     | 5412698A     | 1   | PLATE, TANK MOUNT, SW25 MANUAL - BLK<br>-(Manual Start Models)                 |
| 12     | 5412635A     | 1   | WELD, FUEL TANK MOUNT, SW25/FW25 - BLK<br>-(Electric Start Models)(USA Models) |
| 12     | 5413733A     | 1   | WELD, FUEL TANK MOUNT, FW25CE<br>-(Electric Start Models)(CE Models)           |
| 13     | 93807        | 2   | CLAMP, HOSE, EXTERNAL, 1/2 - RED                                               |
| 14     | 5050831X12   | 1   | HOSE, 1/4" FUEL, 12.00"                                                        |
| 15     | 7700552X21P5 | 1   | HOSE, VAPOR, 5MM ID, 21.50 LG                                                  |
| 16     | 7700552X12   | 1   | HOSE, VAPOR, 5MM ID, 12.00 LG                                                  |
| 17     | 5103062      | 1   | FITTING, 3/16" TEE, BARB TYPE, HDPE                                            |
| 18     | 7700552X3    | 1   | HOSE, VAPOR, 5MM ID, 3.00 LG                                                   |
| 19     | 80025019     | 1   | FILTER, FUEL                                                                   |
| 20     | 5021030      | 2   | TIE,SELF-LOCKING, 6"                                                           |
| 21     | 5021178X3    | 1   | FUEL FILTER<br>-(SV)                                                           |
| 22     | 5102833X1    | 1   | GROMMET, FUEL TANK - 5102833<br>-(SV)(Grommet for fuel tank 5102833)           |

Handle Bar & Instrument Control Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5304035  
5304033



## Handle Bar & Instrument Control Group

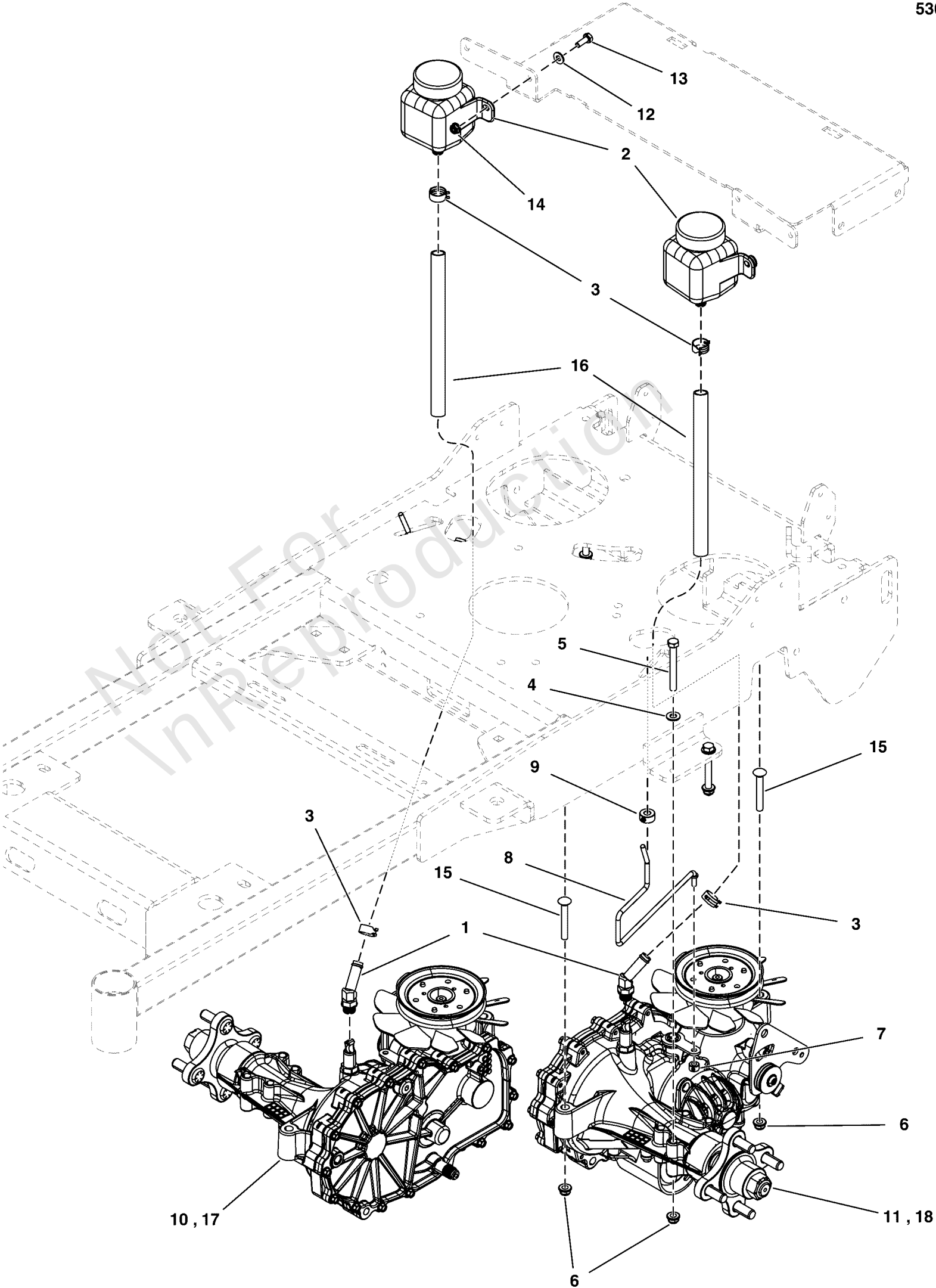
| REF NO | PART NO   | QTY | DESCRIPTION                                                                                              |
|--------|-----------|-----|----------------------------------------------------------------------------------------------------------|
| 1      | 5047779   | 1   | CABLE, CHOKE CONTROL, 51" (Z)                                                                            |
| 2      | 5104660   | 1   | CABLE, THROTTLE, 48" DETENTED<br>-(Kawasaki Models)                                                      |
| 2      | 5047629   | 1   | CABLE, Throttle Control, 46"<br>-(Briggs & Stratton Models)                                              |
| 3      | 5025309   | 1   | NUT, 3/8-24 Hex Jam                                                                                      |
| 4      | 5102463   | 2   | SPACER, .33 X .50 X .25, PM, CZ                                                                          |
| 5      | 5025155   | 2   | WASHER, 5/16" SAE                                                                                        |
| 6      | 5025011X8 | 2   | BOLT, 5/16-18 X 1" GRD5 YZ                                                                               |
| 7      | 5025392   | 2   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                                                                       |
| 8      | 5025293   | 6   | WASHER, 3/8" GR. 9 FLAT                                                                                  |
| 9      | 5025013X8 | 6   | BOLT, 3/8-16 X 1" GD5 CZ                                                                                 |
| 10     | 5025394   | 6   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                                                          |
| 11     | 5104659   | 2   | GRIP, FOAM, .940" X 4.62" X .187"                                                                        |
| 12     | 5025154   | 2   | WASHER, 1/4 SAE                                                                                          |
| 13     | 5025010X6 | 2   | BOLT, 1/4"-20 X 3/4" GD5 YZ                                                                              |
| 14     | 5025391   | 2   | NUT, 1/4-20 Hex Nylock Flange                                                                            |
| 15     | 5412590B  | 1   | ** WELD, HANDLE BARS, FW25 - RED<br>-(Standard Handle Bars - S/N: 2017118253 & Below)                    |
| 16     | 5600846   | 1   | ASSM, HB GUARD W/DECALS, FW25 - DOM<br>-(5413336B)                                                       |
| 17     | 5022308   | 2   | BODY CLIP, 5/16-18 7GA. MATERIAL                                                                         |
| 18     | 5108141   | 2   | KNOB, 5/16-18 X 1.00, ROSETTE, BLK                                                                       |
| 19     | -----     | 1   | HOUR METER<br>-(Refer to Note: *)                                                                        |
| 20     | 5104697   | 1   | PTO SWITCH, MOMENTARY, SMALL KNOB                                                                        |
| 21     | 5021842   | 1   | SWITCH, Ignition, Complete<br>-(Manual Start)                                                            |
| 22     | 5050853X3 | 2   | BLACK BODY MOLDING, 3" LONG                                                                              |
| 23     | 5020927   | 1   | SWITCH, IGNITION, 6 POST<br>-(Electric Start)                                                            |
| 24     | 5412707B  | 1   | ** WELD, HANDLE BARS, FW25 CC - RED<br>-(Centralized Control Handle Bars - S/N: 2017118253 & Below)      |
| 25     | 5025155   | 2   | WASHER, 5/16" SAE                                                                                        |
| 26     | 5025011X8 | 2   | BOLT, 5/16-18 X 1" GRD5 YZ                                                                               |
| 27     | 5600847   | 1   | ASSM, HB GUARD W/DECALS, FW25 - CE<br>-(5413336B)                                                        |
| 28     | 5022789   | 1   | KEY, IGNITION MOLDED SET                                                                                 |
| 29     | 5022790   | 1   | COVER, PLASTIC, SNAP ON                                                                                  |
| 30     | 5022791   | 1   | PLASTIC NUT                                                                                              |
| 31     | 5413922B  | 1   | ** WELD, HANDLE BARS, FW25 - RED<br>-(Standard Handle Bars - S/N: 2017118254 - 2017170234)               |
| 32     | 5413923B  | 1   | ** WELD, HANDLE BARS, FW25 CC - RED<br>-(Centralized Control Handle Bars - S/N: 2017118254 - 2017170234) |
| 33     | 5414456B  | 1   | ** WELD, HANDLE BARS, W25 - STND - RED<br>-(Standard Handle Bars - S/N: 2017170235 & Above)              |
| 34     | 5414457B  | 1   | ** WELD, HANDLE BARS, W25 - CC - RED<br>-(Centralized Control Handle Bars - S/N: 2017170235 & Above)     |

### Footnotes:

Note: \*When replacing this hour meter, please call our service department at 1-800-933-6175.

\*\* If replacing order all appropriate decals for handle bar.

5303862





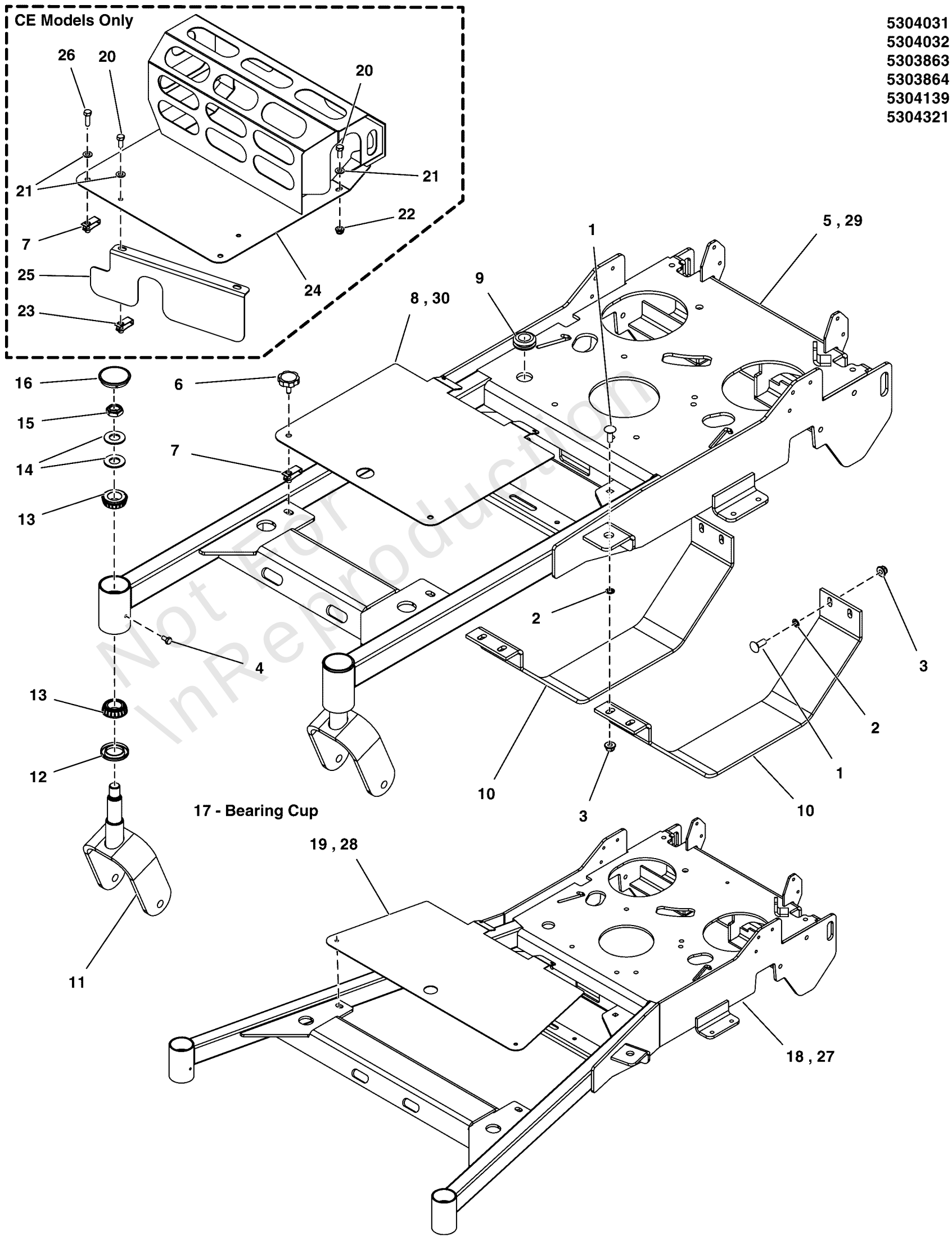
## Hydraulic Group

| REF NO | PART NO     | QTY | DESCRIPTION                                                            |
|--------|-------------|-----|------------------------------------------------------------------------|
| 1      | 5102054     | 2   | FITTING, 1/2 HOSE - 9/16 O-RING, 45 ELB                                |
| 2      | 5100473     | 2   | HYDRO RES. #71328, 350 ml                                              |
| 3      | 5025474     | 4   | CLAMP, HOSE, .75 FREE DIA.                                             |
| 4      | 5025155     | 4   | WASHER, 5/16" SAE                                                      |
| 5      | 5025011X22  | 4   | BOLT, 5/16-18 X 2-3/4 GD5 CZ                                           |
| 6      | 5025392     | 8   | NUT, 5/16-18 HEX NYLOCK FLANGE                                         |
| 7      | 5022481     | 2   | COLLAR, 1/4 SET                                                        |
| 8      | 5104532     | 2   | ROD, HYDRO RELEASE, W25                                                |
| 9      | 5020047     | 2   | COLLAR, 5/16 SET                                                       |
| 10     | 5104472     | 1   | TRANSAXLE, ZT3100, RH, ZJ-KMFE-3L5C-1PLX<br>-(S/N: 2017170234 & Below) |
| 11     | 5104471     | 1   | TRANSAXLE, ZT3100, LH, ZJ-GMFE-3L5B-1PLX<br>-(S/N: 2017170234 & Below) |
| 12     | 5025154     | 4   | WASHER, 1/4 SAE                                                        |
| 13     | 5025010X6   | 4   | BOLT, 1/4-20 X 3/4 GD5 CZ                                              |
| 14     | 5025391     | 4   | NUT, 1/4-20 HEX NYLOCK FLANGE                                          |
| 15     | 5025145X18  | 4   | BOLT, 5/16-18 X 2-1/4, CARRIAGE, GD5, CZ                               |
| 16     | 5050857X7P5 | 2   | HOSE, 1/2" PUSH-ON, 7.50"                                              |
| 17     | 5106330     | 1   | TRANSAXLE, ZT3100, RH, ZL-KMFE-3L5C-1PXE<br>-(S/N: 2017170235 & Above) |
| 18     | 5106331     | 1   | TRANSAXLE, ZT3100, LH, ZL-GMFE-3L5B-1PXE<br>-(S/N: 2017170235 & Above) |

# Main Frame & Front Caster Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426



## Main Frame & Front Caster Group

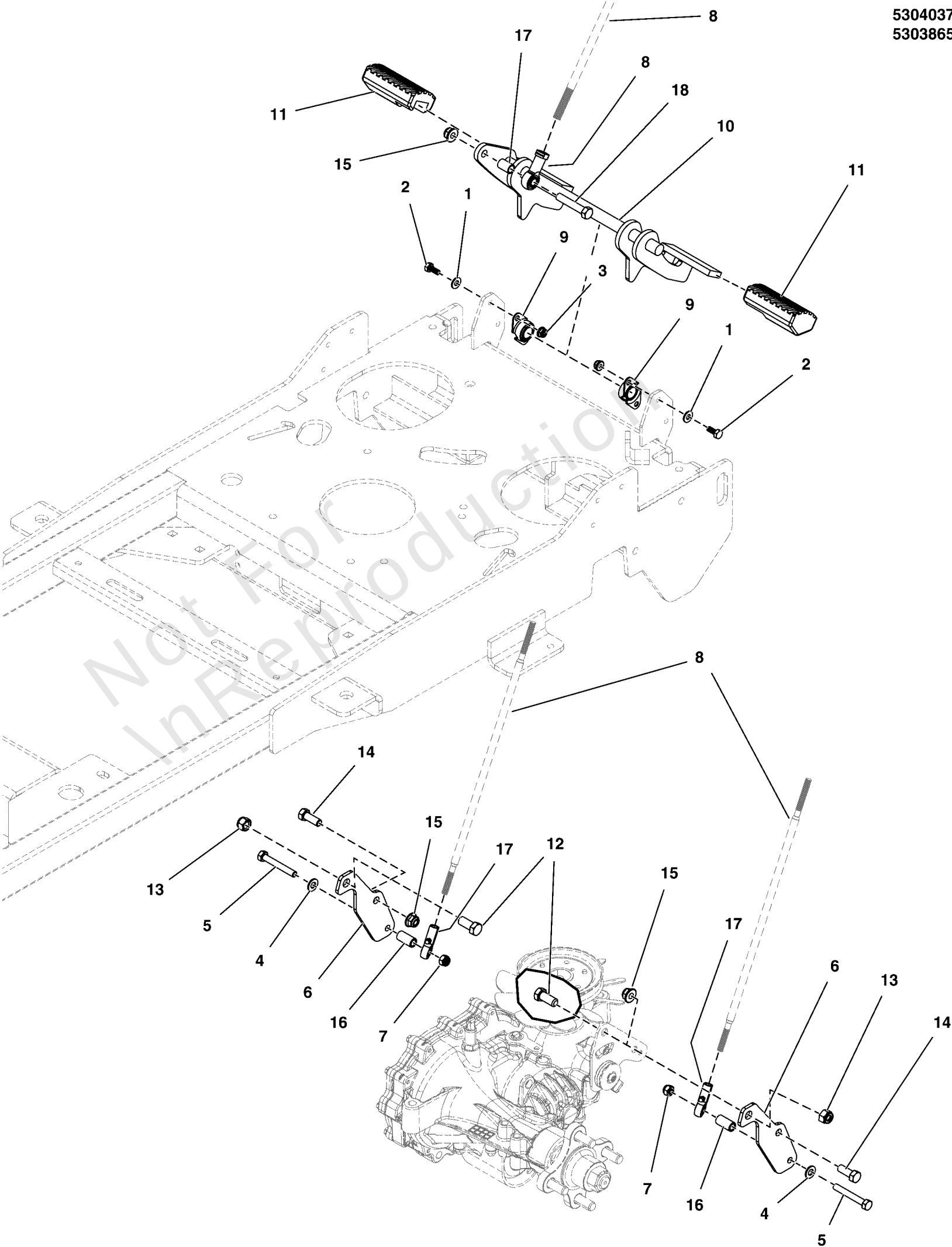
| REF NO | PART NO   | QTY | DESCRIPTION                                                                                                  |
|--------|-----------|-----|--------------------------------------------------------------------------------------------------------------|
| 1      | -----     | 8   | BOLT,3/8-16X1.000,RND HD CRRG,ZINC/CLEAR                                                                     |
| 2      | 5025472   | 8   | 3/8 PUSHNUT BOLT RETAINER                                                                                    |
| 3      | 5025394   | 8   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                                                              |
| 4      | 5025457   | 2   | BOLT, 1/4-28 X 1/2, GD5 YZ                                                                                   |
| 5      | 5412769B  | 1   | WELD, MAIN FRAME, FW25 - 36 - RED<br>-(36" Models - S/N: 2017555756 & Below)                                 |
| 6      | 5108141   | 2   | KNOB, 5/16-18 X 1.00, ROSETTE, BLK                                                                           |
| 7      | 5025452   | 2   | BODY CLIP, 5/16-18 -1/4 MATERIAL                                                                             |
| 8      | 5413166B  | 1   | GUARD, WALK, FRONT FRAME, 36 - RED<br>-(36" Models - S/N: 2017555756 & Below)                                |
| 9      | 5103944   | 1   | GROMMET, 7/8"ID, 1/4" THICK STK                                                                              |
| 10     | 5413033A  | 2   | PLATE, TRANS GUARD SW25 - BLK                                                                                |
| 11     | 5407308B  | 2   | WELD, CASTER YOKE, SNP DD - RED                                                                              |
| 12     | 5021072   | 2   | SEAL, Grease                                                                                                 |
| 13     | 5020884   | 4   | BEARING, TAPERED ROLLER, 1"                                                                                  |
| 14     | 5025449   | 4   | WASHER, BELLEVILLE - 1.500 X .755                                                                            |
| 15     | 5025448   | 2   | NUT, 3/4-16, HEX JAM NYLON LOCK                                                                              |
| 16     | 5102929   | 2   | CAP, LOW PROFILE, STEEL                                                                                      |
| 17     | 5020884   | 4   | BEARING, TAPERED ROLLER, 1"<br>-(SV)                                                                         |
| 18     | 5412585B  | 1   | WELD, MAIN FRAME, FW25 - 48 - RED<br>-(48" Models - S/N: 2017170234 & Below)                                 |
| 19     | 5413179B  | 1   | PLATE, FRONT FRAME GUARD FW25 48 - RED<br>-(48" Models - S/N: 2017170234 & Below)                            |
| 20     | 5025011X6 | 2   | BOLT, 5/16-18 X 3/4 GD5<br>-(CE Models Only)                                                                 |
| 21     | 5025155   | 2   | WASHER, 5/16" SAE<br>-(CE Models Only)                                                                       |
| 22     | 5025392   | 1   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT<br>-(CE Models Only)                                                      |
| 23     | 5022308   | 2   | BODY CLIP, 5/16-18 7GA. MATERIAL<br>-(CE Models Only)                                                        |
| 24     | 5413729B  | 1   | WELD, MUFFLER GUARD, FW2536CE - RED<br>-(CE Models Only - S/N: 2017746073 & Below)                           |
| 24     | 5416154B  | 1   | WELD, MUFFLER GUARD, FW25 36CE - RED<br>-(CE Models Only - S/N: 2017746074 & Above)                          |
| 25     | 5413742B  | 1   | PLATE, FRONT DECK GUARD,FW2536RDCE-RED<br>-(CE Models Only - S/N: 2017746073 & Below)                        |
| 25     | 5416155B  | 1   | PLATE, DECK GUARD, FRONT, FW25 36CE - RED<br>-(CE Models Only - S/N: 2017746074 & Above)                     |
| 26     | 5025011X8 | 2   | BOLT, 5/16-18 X 1" GRD5 YZ<br>-(CE Models Only)                                                              |
| 27     | 5414027B  | 1   | WELD, MAIN FRAME, W25 48/52 - RED<br>-(48" Models - S/N: 2017170235 & Above; 52" Models - S/N: All)          |
| 28     | 5414286B  | 1   | PLATE, GUARD, FRONT FRAME, W25 48/52 - RED<br>-(48" Models - S/N: 2017170235 & Above; 52" Models - S/N: All) |
| 29     | 5415682B  | 1   | WELD, MAIN FRAME, W25 36 - RED<br>-(36" Models - S/N: 2017555757 & Above)                                    |
| 30     | 5415716B  | 1   | PLATE, FRAME GUARD, W25 36 - RED<br>-(36" Models - S/N: 2017555757 & Above)                                  |

**Motion Control Group - Lower**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5304037L  
5303865L



### ***Motion Control Group - Lower***

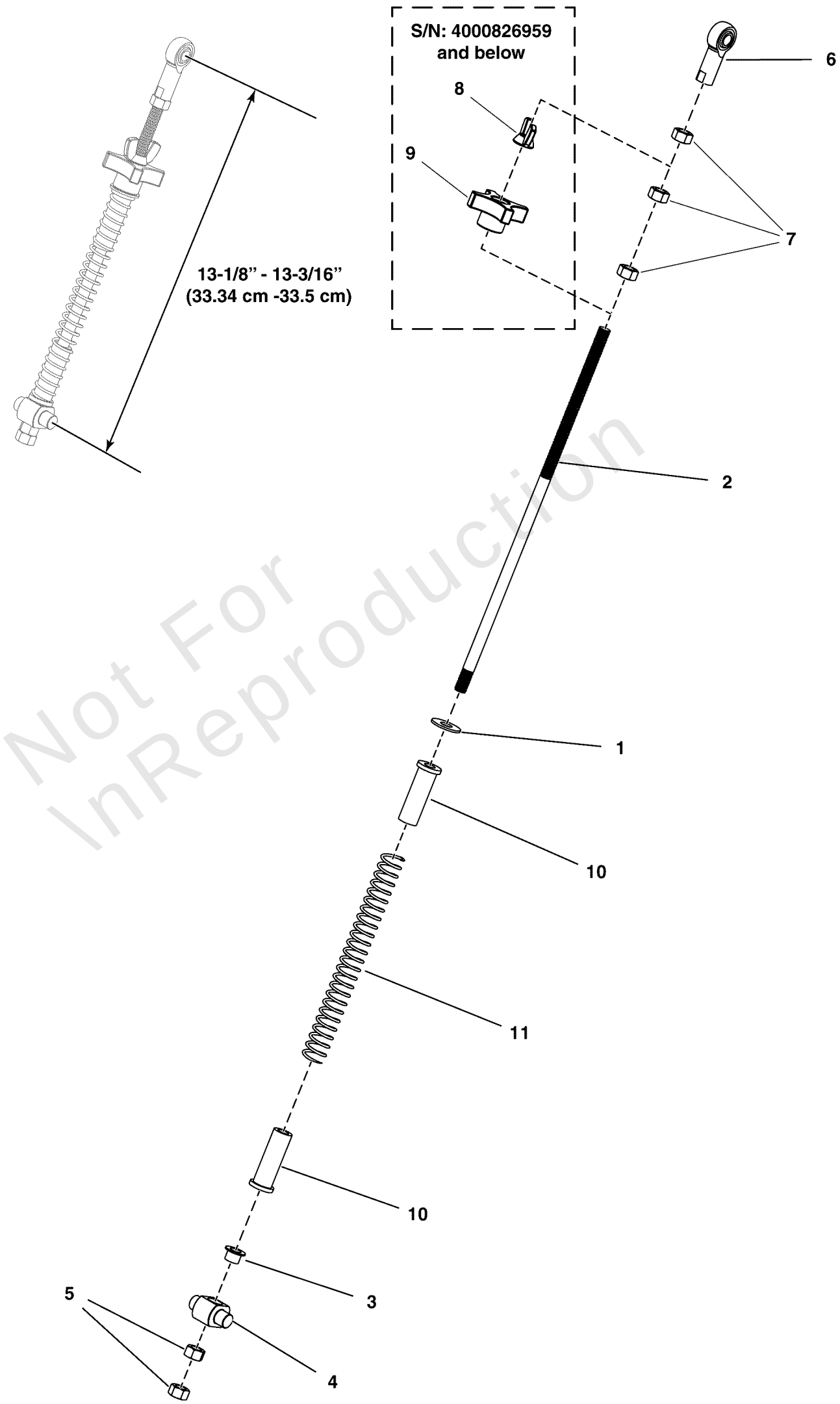
| REF NO | PART NO    | QTY | DESCRIPTION                           |
|--------|------------|-----|---------------------------------------|
| 1      | 5025154    | 4   | WASHER, 1/4 SAE                       |
| 2      | -----      | 4   | HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR |
| 3      | 5025391    | 4   | NUT, 1/4-20 Hex Nylock Flange         |
| 4      | 5025155    | 2   | WASHER, 5/16" SAE                     |
| 5      | 5025011X18 | 2   | BOLT, 5/16-18 X 2-1/4" GD5 YZ         |
| 6      | 5412050A   | 2   | PLATE, CONTROL MOUNT, WALK - BLK      |
| 7      | 5025057    | 2   | NUT, Hex, Nylon Locking, 5/16-18      |
| 8      | -----      | 1   | SEE MOTION CONTROL UPPER GROUP        |
| 9      | 5104270    | 2   | BEARING, 5/8" FLANGED, PLASTIC BALL   |
| 10     | 5412284A   | 1   | WELD, FOOT PEDAL - BLK                |
| 11     | 5104262    | 2   | PEDAL, Rubber                         |
| 12     | 5025015X6  | 2   | BOLT, 7/16-14 X 3/4, GD 5 YZ          |
| 13     | 5025044    | 2   | NUT, 7/16-14 HEX TOP LOCK             |
| 14     | 5025013X8  | 2   | BOLT, 3/8-16 X 1" GD5 CZ              |
| 15     | 5025394    | 3   | NUT, 3/8 - 16 HEX NYLOCK FLANGE       |
| 16     | 5102812    | 2   | SPACER, .33 X .51 X 1.00, CZ          |
| 17     | 5047199    | 1   | SPACER, .38 x .50 x .75               |
| 18     | 5025013X16 | 1   | BOLT, 3/8-16 X 2, GD5, CZ             |

Motion Control Group - Spring Assemblies

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5304037SA  
5303865SA



### ***Motion Control Group - Spring Assemblies***

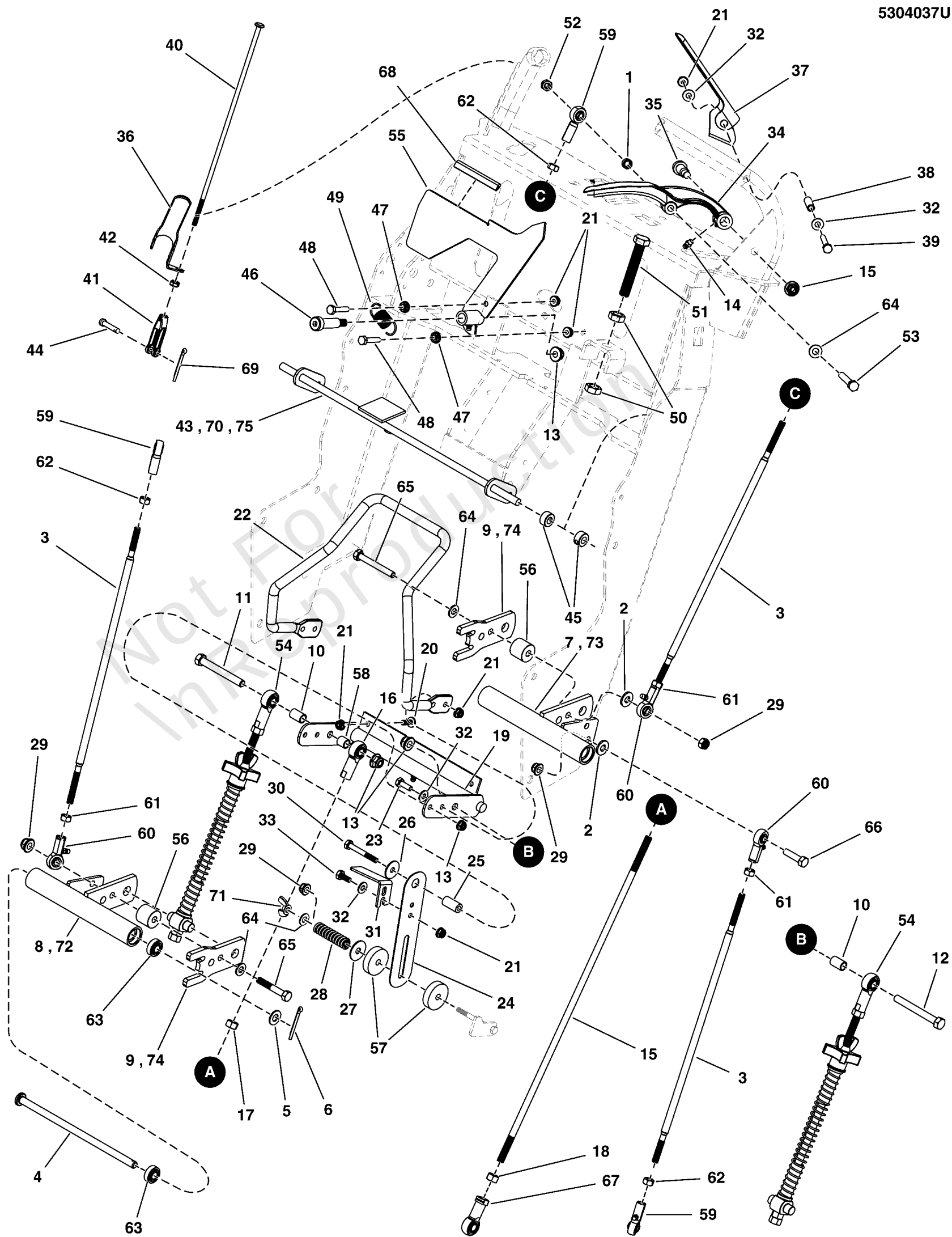
| REF NO | PART NO | QTY | DESCRIPTION                                              |
|--------|---------|-----|----------------------------------------------------------|
| 1      | 5025401 | 2   | WASHER, 3/8 USS                                          |
| 2      | 5104229 | 2   | ROD, CONTROL SYSTEM, WALK                                |
| 3      | 5102773 | 2   | BUSHING, .38ID X .47 OD X .38L, FL                       |
| 4      | 5103022 | 2   | TRUNION, 1/2" POSTS, STAINLESS                           |
| 5      | 5025034 | 4   | NUT, 3/8-16 HEX                                          |
| 6      | 5021683 | 2   | BALL JOINT, 3/8-24 FEMALE                                |
| 7      | 5025035 | 6   | NUT, 3/8-24 HEX<br>-(Qty: 2 - S/N: 4000826959 and below) |
| 8      | 5025608 | 2   | WING NUT, 3/8-24, CZ<br>-(S/N: 4000826959 and below)     |
| 9      | 5104174 | 2   | KNOB, 4 ARM, 3/8-24<br>-(S/N: 4000826959 and below)      |
| 10     | 5104375 | 4   | FLANGED BUSHING, 3/8IDX.63ODX.8125FL                     |
| 11     | 5104374 | 2   | SPRING,COMP,.645IDX8.00LGX.080WR,BLK E-C                 |

***Motion Control Group - Upper (Centralized Controls)***

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5304037U





## Motion Control Group - Upper (Centralized Controls)

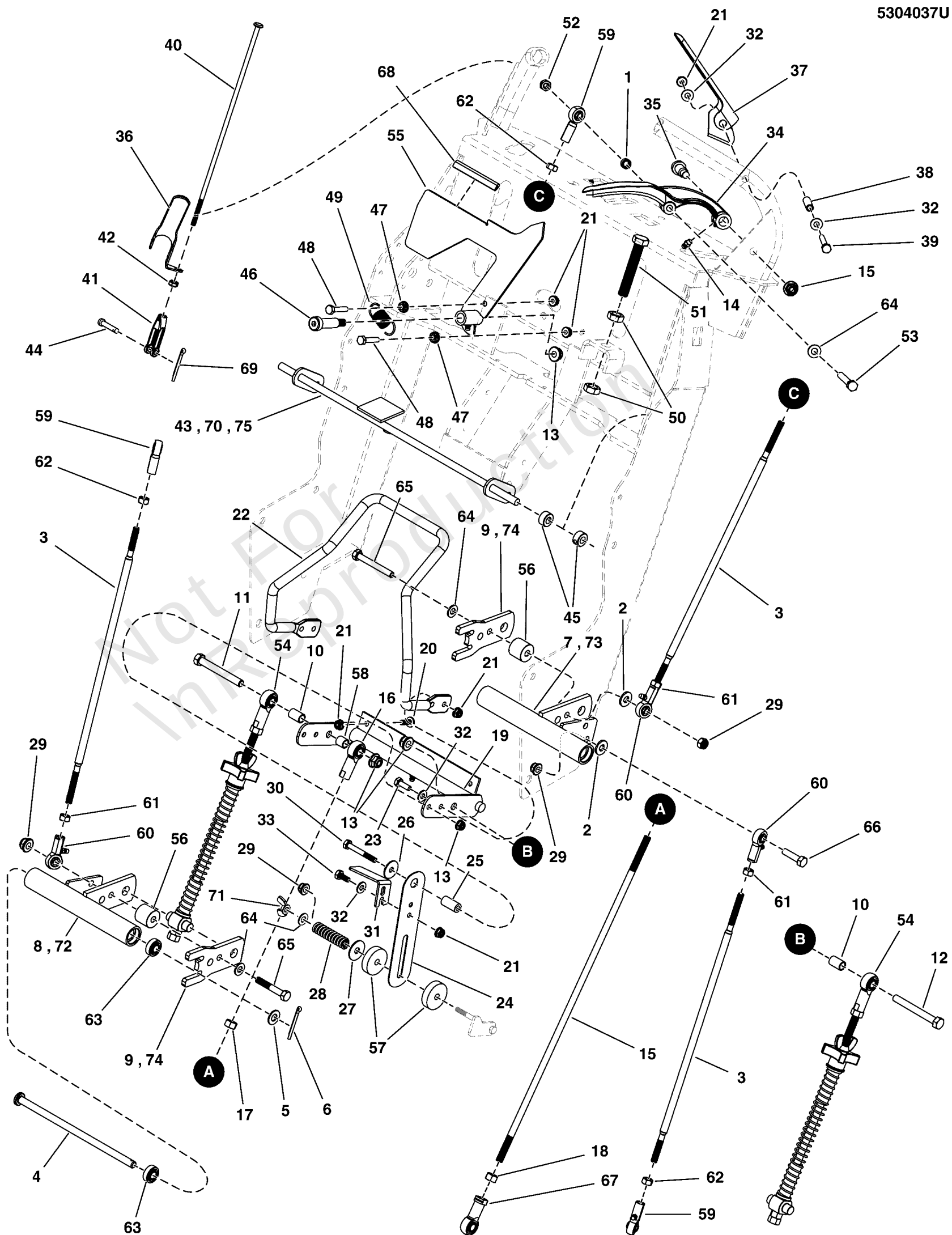
| REF NO | PART NO    | QTY | DESCRIPTION                                                           |
|--------|------------|-----|-----------------------------------------------------------------------|
| 1      | 5102463    | 2   | SPACER, .33 X .50 X .25, PM, CZ                                       |
| 2      | 5025292    | 4   | WASHER, 5/16 F436 FLAT                                                |
| 3      | 5104159    | 4   | ROD, 5/16-24 X 15.48, LH-RH, CZ                                       |
| 4      | 5104328    | 2   | ROD, 3/8 X 8.49, HEADED                                               |
| 5      | 5025156    | 2   | WASHER, 3/8 SAE                                                       |
| 6      | 5025203X10 | 2   | PIN, COTTER, 1/8 X 1-1/4                                              |
| 7      | 5412616A   | 1   | WELD, CENTER PIVOT HUB, LH - WALK - BLK<br>-(S/N: 2017170234 & Below) |
| 8      | 5412617A   | 1   | WELD, CENTER PIVOT HUB, RH - WALK - BLK<br>-(S/N: 2017170234 & Below) |
| 9      | 5411633A   | 2   | TAB, CONTROL PIVOT - BLK<br>-(S/N: 2017170234 & Below)                |
| 10     | 5047199    | 2   | SPACER, .38 X .50 X .75                                               |
| 11     | 5025013X24 | 1   | BOLT, 3/8-16 X 3" GD5 CZ                                              |
| 12     | 5025013X16 | 1   | BOLT, 3/8-16 X 2, GD5, CZ                                             |
| 13     | 5025394    | 6   | NUT, 3/8-16 HEX NYLOCK FLANGE                                         |
| 14     | 5020095    | 2   | GREASE FITTING, 1/4-28 STRAIGHT                                       |
| 15     | 5104164    | 1   | ROD, 3/8-24, 19.00, LH-RH CZ                                          |
| 16     | 5021683    | 1   | BALL JOINT, 3/8-24 FEMALE                                             |
| 17     | 5025035    | 1   | NUT, 3/8-24 HEX                                                       |
| 18     | 5025317    | 1   | NUT, 3/8-24 HEX, LH                                                   |
| 19     | 5412891A   | 1   | WELD, SPEED CONTROL, SW35 - BLK                                       |
| 20     | 1960715    | 2   | SCREW-TRUSS HD TORX DR 1/4-20X0.750 T27                               |
| 21     | 5025391    | 12  | NUT, 1/4-20 HEX NYLOCK FLANGE                                         |
| 22     | 5412664A   | 1   | WELD, SPEED BAR - BLK                                                 |
| 23     | 5025010X6  | 3   | BOLT, 1/4-20 X 3/4 GD5 CZ                                             |
| 24     | 5409272    | 1   | PLATE, FRICTION CONTROL, SS                                           |
| 25     | 5101274    | 1   | SPACER, .26 X .50 X 1.00                                              |
| 26     | 5025288    | 1   | WASHER, 1/4 FENDER                                                    |
| 27     | 5025164    | 1   | WASHER, 5/16 FENDER                                                   |
| 28     | 5104221    | 1   | SPRING, COMP, .40 X .60 X 2.25, BLACK                                 |
| 29     | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE<br>-(Qty: 7 - S/N: 2017118253 & Below) |
| 30     | 5025010X16 | 1   | BOLT, 1/4-20 X 2", GD5                                                |
| 31     | 5412363A   | 1   | BRACKET, SWITCH ENGAGEMENT - BLK                                      |
| 32     | 5025154    | 9   | WASHER, 1/4 SAE                                                       |
| 33     | -----      | 2   | HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR                                 |
| 34     | 5102556A   | 2   | HANDLE, REVERSING - BLK                                               |
| 35     | 5025223    | 2   | BOLT, 3/8-16 X 1, 1/2 SHOULDER                                        |
| 36     | 5104201A   | 1   | FLAP, OPS - BLK                                                       |
| 37     | 5104202A   | 1   | FLAP, OPS - BLK                                                       |
| 38     | 5101215    | 2   | SPACER, .26 X .38 X 1.25, CZ                                          |
| 39     | 5025010X14 | 2   | BOLT, 1/4-20 X 1-3/4 GD5 CZ                                           |
| 40     | 5101242    | 2   | ROD, OPC LINK, SNP PRO WB                                             |
| 41     | 5021104    | 2   | CLEVIS, 1/4-28, PLASTIC                                               |
| 42     | 7090095    | 2   | HN, 1/4F GR5 YZ                                                       |
| 43     | 5412020A   | 1   | WELD, OPC ROD, WALK - BLK<br>-(S/N: 2017118253 & Below)               |
| 44     | 5025212X7  | 2   | PIN, CLEVIS, 1/4 X 7/8, PLATED                                        |
| 45     | 5010546    | 2   | COLLAR, 3/8 SET                                                       |
| 46     | 5025220    | 1   | BOLT-3/8-16 x 1-1/2, 1/2 SHOULDER                                     |
| 47     | 5025126    | 2   | NUT, 1/4-20 HEX SERR. FLANGE                                          |
| 48     | 5025010X10 | 2   | BOLT, 1/4-20 X 1-1/4 GD5 CZ                                           |

***Motion Control Group - Upper (Centralized Controls)***

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

5304037U



## ***Motion Control Group - Upper (Centralized Controls)***

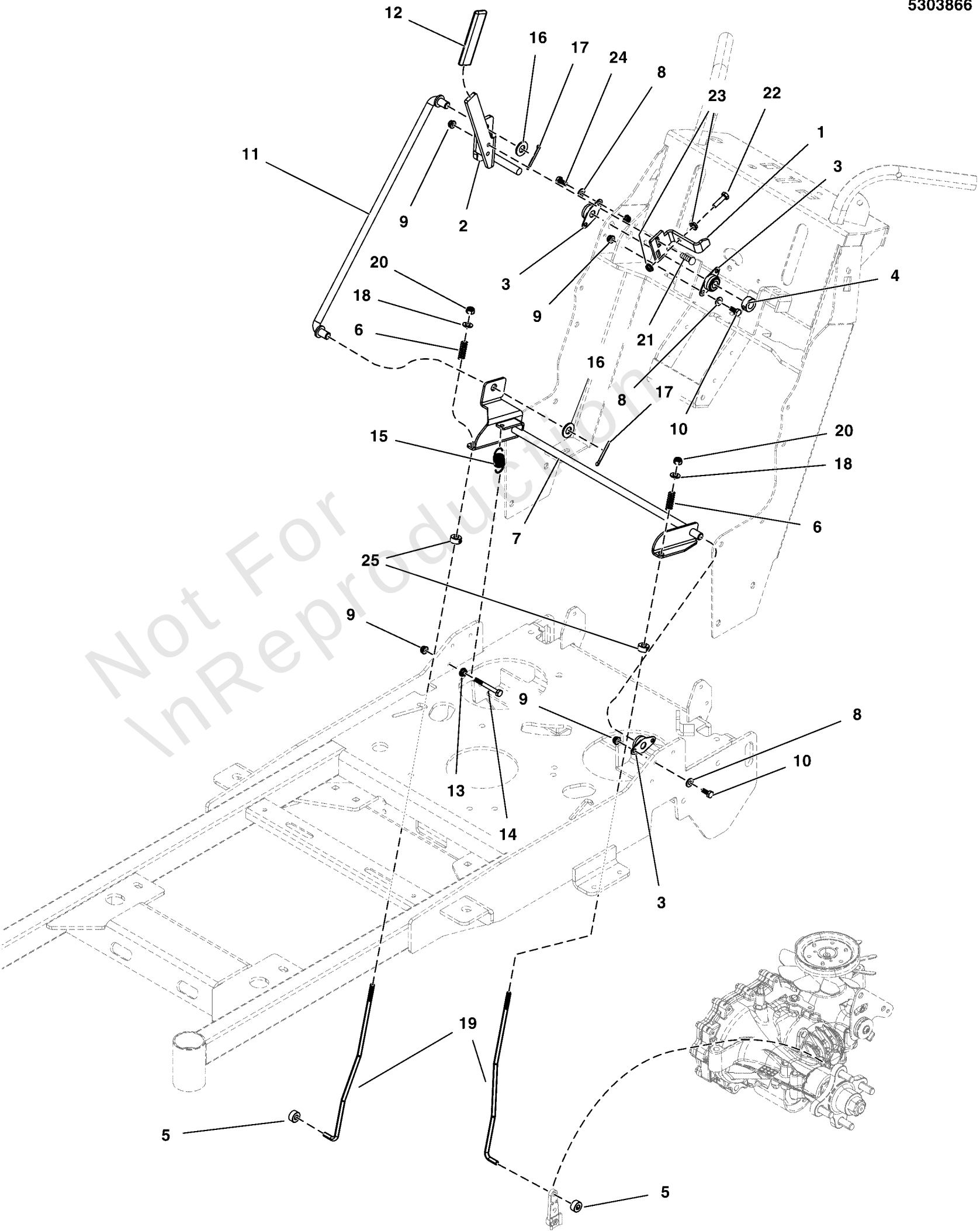
| REF NO | PART NO    | QTY | DESCRIPTION                                                     |
|--------|------------|-----|-----------------------------------------------------------------|
| 49     | 5105337    | 1   | SPRING, EXT, 0.525 X 0.058 X 2.250 SS                           |
| 50     | 5025089    | 2   | NUT, 1/2-20 HEX JAM                                             |
| 51     | 5025426    | 1   | BOLT, 1/2-20 X 2-1/2, FLT                                       |
| 52     | 5025057    | 2   | NUT, 5/16-18 HEX NYLON LOCK                                     |
| 53     | 5025011X18 | 2   | BOLT, 5/16-18 X 2-1/4 GD5 CZ                                    |
| 54     | -----      | 1   | SEE MOTION CONTROL GROUP - SPRING ASSEMBLIES                    |
| 55     | 5413693A   | 1   | WELD, SPEED INDICATOR, W25 - BLK                                |
| 56     | 5104351    | 2   | SPACER, .33 X 1.00 X .88, CZ                                    |
| 57     | 5104176    | 2   | PAD, T-712 FRICTION MATERIAL                                    |
| 58     | 5101640    | 1   | SPACER, .38 X .50 X .50                                         |
| 59     | 5104493    | 4   | BALL JOINT 5/16-24 RH FEMALE BRONZE RACE                        |
| 60     | 5104494    | 4   | BALL JOINT 5/16-24 LH FEMALE BRONZE RACE                        |
| 61     | 5023212    | 4   | NUT, 5/16-24 HEX, LH                                            |
| 62     | 5025033    | 4   | NUT, 5/16-24 HEX                                                |
| 63     | 5102003    | 4   | BEARING, .375" ID X .875" OD X .341" THK                        |
| 64     | 5025155    | 3   | WASHER, 5/16" SAE<br>-(Qty: 2 - S/N: 2017118253 & Below)        |
| 65     | 5025011X20 | 2   | BOLT, 5/16-18 X 2-1/2 GD5 CZ                                    |
| 66     | 5025011X10 | 2   | BOLT, 5/16-18 X 1-1/4 GD5 CZ                                    |
| 67     | 5022392    | 1   | BALL JOINT, 3/8-24 FEMALE, LH                                   |
| 68     | 5104568    | 1   | U-CHANNEL, RPVC #6236 X 4"                                      |
| 69     | 80002736   | 1   | PIN, 3/32 X 0.750, COT, ZINC/CLEAR                              |
| 70     | 5413926A   | 1   | WELD, OPC ROD, WALK - BLK<br>-(S/N: 2017118254 - 2017170234)    |
| 71     | 5025529    | 1   | WING NUT, 5/16-18, CZ<br>-(S/N: 2017118254 & Above)             |
| 72     | 5414181A   | 1   | WELD, W25 CONTROL PIVOT, RH - BLK<br>-(S/N: 2017170235 & Above) |
| 73     | 5414182A   | 1   | WELD, W25 CONTROL PIVOT, LH - BLK<br>-(S/N: 2017170235 & Above) |
| 74     | 5414411A   | 2   | TAB, PIVOT, W35 - BLK<br>-(S/N: 2017170235 & Above)             |
| 75     | 5414516A   | 1   | WELD, OPC ROD, WALKBEHIND - BLK<br>-(S/N: 2017170235 & Above)   |

**Parking Brake Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901426

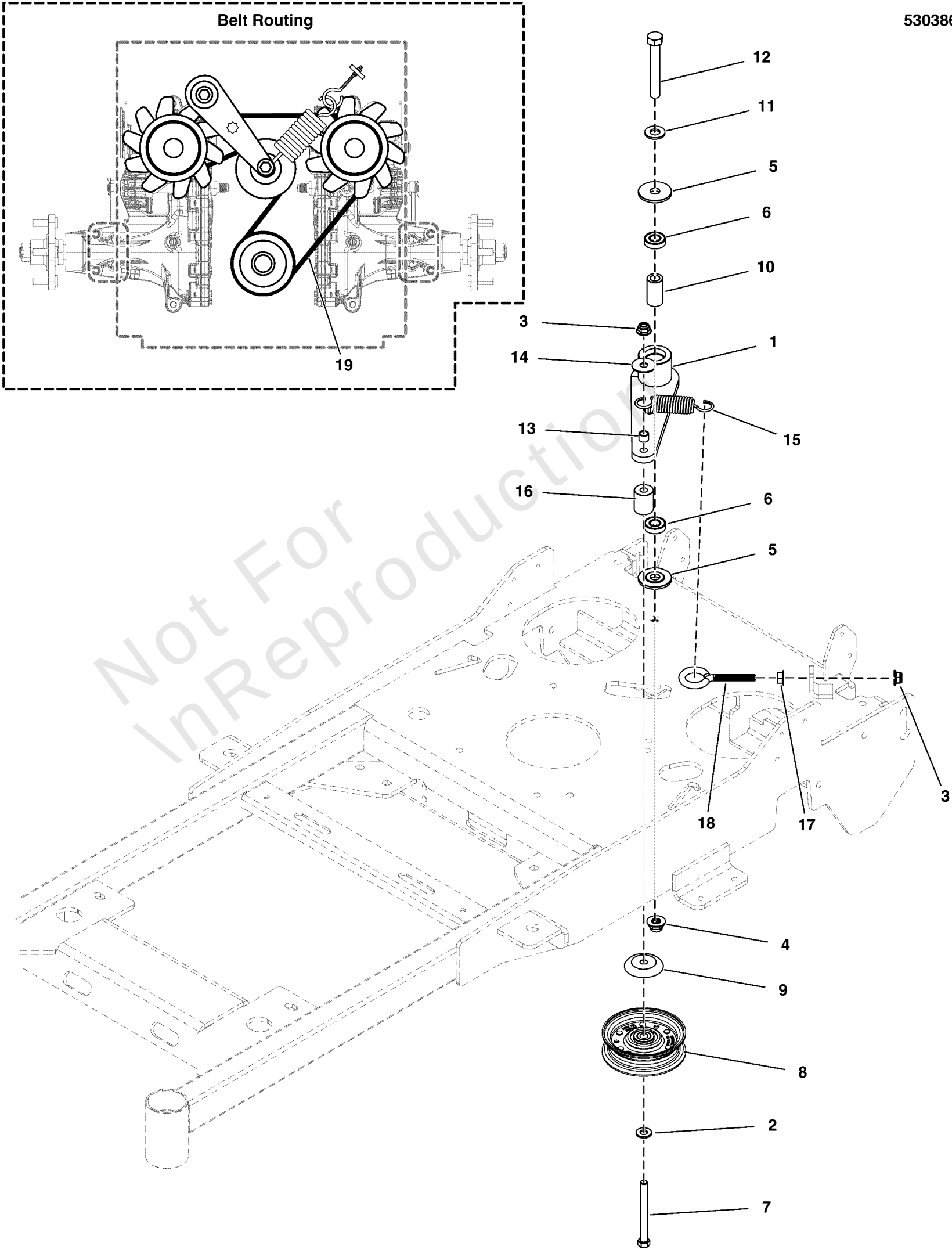
5303866



## ***Parking Brake Group***

| REF NO | PART NO    | QTY | DESCRIPTION                              |
|--------|------------|-----|------------------------------------------|
| 1      | 5413511A   | 1   | PLATE, NEUTRAL LOCKOUT, SW25 - BLK       |
| 2      | 5412860A   | 1   | WELD, PARKING BRAKE HANDLE - BLK         |
| 3      | 5101123    | 4   | BEARING, 1/2 FLANGED, PLASTIC BALL       |
| 4      | 5010580    | 1   | COLLAR, 1/2 SET                          |
| 5      | 5020047    | 2   | COLLAR, 5/16 SET                         |
| 6      | 5020637    | 2   | SPRING-COMP, .375IDX2.75LGX.054WR, SS    |
| 7      | 5412846A   | 1   | WELD, PARKING BRAKE, SW25/FW25 - BLK     |
| 8      | 5025154    | 8   | WASHER, 1/4 SAE                          |
| 9      | 5025391    | 11  | NUT, 1/4-20 HEX NYLOCK FLANGE            |
| 10     | 5025010X6  | 6   | BOLT-1/4-20 X 3/4 GD5 CZ                 |
| 11     | 5104401    | 1   | ROD, PARKING BRAKE, SW25                 |
| 12     | 5025510    | 1   | GRIP, FOAM, 1/4 X 1 X 4.1                |
| 13     | 5025126    | 1   | NUT, 1/4-20 HEX SERR. FLANGE             |
| 14     | 5025010X18 | 1   | BOLT, 1/4-20 X 2-1/4 GD5 CZ              |
| 15     | 5010213    | 1   | SPRING-EXT, .740 ODX2.025LGX.072WR, BLK  |
| 16     | 5025158    | 2   | WASHER, 1/2 SAE                          |
| 17     | 5025203X10 | 2   | PIN, COTTER, 1/8 X 1-1/4                 |
| 18     | 5025155    | 2   | WASHER, 5/16" SAE                        |
| 19     | 5104496    | 2   | ROD, BRAKE CTRL, LOWER, SW25/FW25        |
| 20     | 5025045    | 2   | NUT, 5/16-24 HEX NYLON LOCK              |
| 21     | 80005053   | 2   | BOLT, 1/4-20X1.000,GR5,STD NECK,SQ ZC/CL |
| 22     | 5025010X8  | 1   | BOLT, 1/4-20 X 1" GD5 CZ                 |
| 23     | 5025126    | 2   | NUT, 1/4-20 HEX SERRATED FLANGE          |
| 24     | 1960715    | 2   | CREW-TRUSS HD TORX DR 1/2-20X0.750 T27   |
| 25     | 5104748    | 2   | COLLAR, DOUBLE SPLIT, 7MM                |

5303867



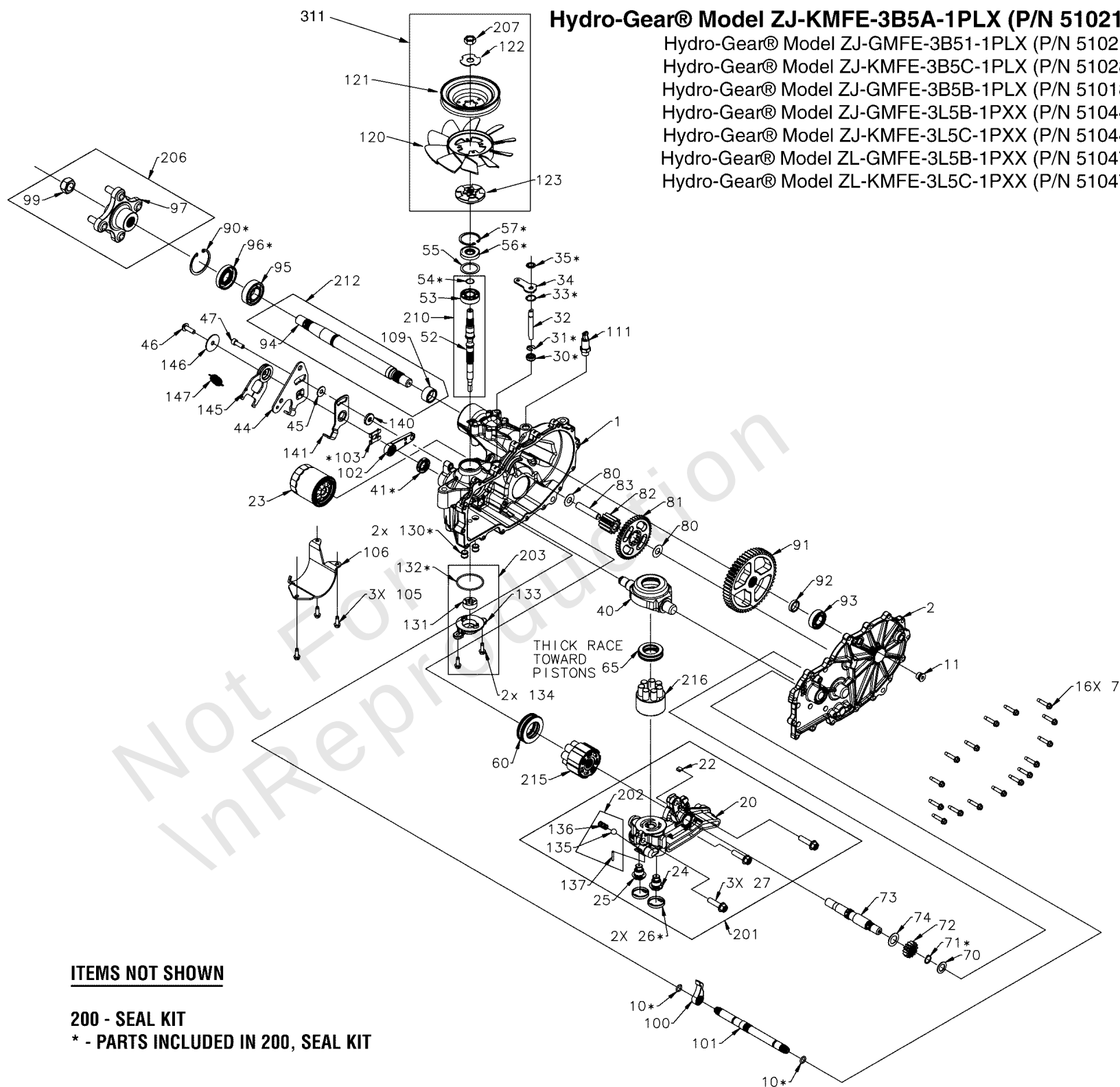
## Transaxle Drive Group

| REF NO | PART NO    | QTY | DESCRIPTION                                |
|--------|------------|-----|--------------------------------------------|
| 1      | 5413130A   | 1   | WELD, IDLER ARM, 6.63" LG - BLK            |
| 2      | 5025293    | 1   | WASHER, 3/8" GR. 9 FLAT                    |
| 3      | 5025394    | 2   | NUT, 3/8 - 16 HEX NYLOCK FLANGE            |
| 4      | 5025396    | 1   | NUT, Hex Flange, Nylock, 1/2-13            |
| 5      | 5103262    | 2   | SPACER, IDLER ARM, 1/2, PM                 |
| 6      | 7078243    | 2   | BEARING, BALL, AXLE                        |
| 7      | 5025013X28 | 1   | BOLT, 3/8-16 X 3-1/2" GD5 CZ               |
| 8      | 5104514    | 1   | PULLEY, FLAT IDLER, FLG, 4"ODX3/8"ID, CZ   |
| 9      | 5103787    | 1   | SHIELD, BEARING PULLEY, 3/8ID, CZ          |
| 10     | 5103812    | 1   | SPACER, .52 X .84 X 1.53, PM               |
| 11     | 5025158    | 1   | WASHER, 1/2 SAE                            |
| 12     | 5025017X28 | 1   | BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV) |
| 13     | 1611705    | 1   | SPACER-0.385ID 0.623OD 0.290LG P'MTL       |
| 14     | 5025401    | 1   | WASHER, 3/8" USS                           |
| 15     | 5104545    | 1   | SPRING-EXT, 1.125 ODX4.679LGX.146WR, BLK   |
| 16     | 5103427    | 1   | SPACER, .39 X 1.00 X 1.25, PM, CZ          |
| 17     | 5025128    | 1   | NUT, 3/8-16 Hex Large Serrated Flange      |
| 18     | 5025429    | 1   | EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C   |
| 19     | 5104354    | 1   | BELT, A-SEC, COG TYPE, 57" EL, ARAMID      |

5102154

## Hydro-Gear® Model ZJ-KMFE-3B5A-1PLX (P/N 5102154)

- Hydro-Gear® Model ZJ-GMFE-3B51-1PLX (P/N 5102155)
- Hydro-Gear® Model ZJ-KMFE-3B5C-1PLX (P/N 5102810)
- Hydro-Gear® Model ZJ-GMFE-3B5B-1PLX (P/N 5101809)
- Hydro-Gear® Model ZJ-GMFE-3L5B-1PXX (P/N 5104471)
- Hydro-Gear® Model ZJ-KMFE-3L5C-1PXX (P/N 5104472)
- Hydro-Gear® Model ZL-GMFE-3L5B-1PXX (P/N 5104707)
- Hydro-Gear® Model ZL-KMFE-3L5C-1PXX (P/N 5104706)



### ITEMS NOT SHOWN

200 - SEAL KIT

\* - PARTS INCLUDED IN 200, SEAL KIT

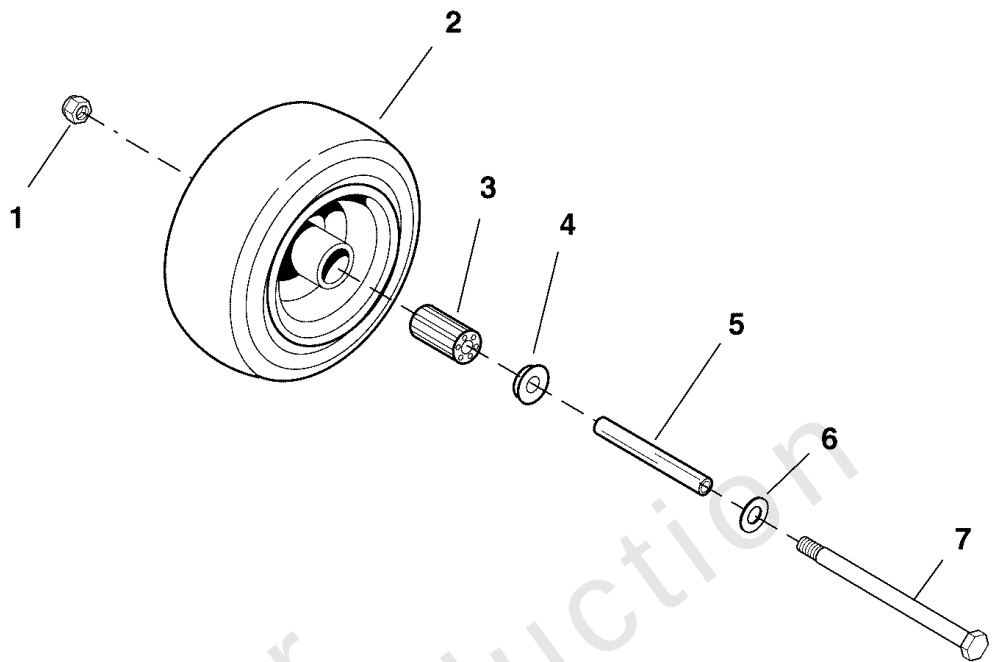


**Transaxle SERVICE PARTS - ZT3100**

| REF NO | PART NO    | QTY | DESCRIPTION                                                                                         |
|--------|------------|-----|-----------------------------------------------------------------------------------------------------|
| 23     | 5101026X1  | 1   | FILTER, OIL,                                                                                        |
| 41     | 5101026X2  | 1   | SEAL, CONTROL ARM, 18X32X7, #51140                                                                  |
| 56     | 5100161X3  | 1   | OUTPUT SHAFT SEAL, 17X40X7, HR #51161                                                               |
| 57     | 5101026X4  | 1   | RING, RET 2.06 INT,                                                                                 |
| 95     | 5101026X5  | 1   | BEARING BALL, 1.0 X 52 X 15 OPEN 6205M                                                              |
| 96     | 5101026X16 | 1   | SEAL, LIP, AXLE, #53699                                                                             |
| 120    | 5101024X1  | 1   | FAN                                                                                                 |
| 121    | 5102154X1  | 1   | PULLEY, 4.5 INCH, HG #52364                                                                         |
| 121    | 5101024X2  | 1   | PULLEY, HG #53804                                                                                   |
| 122    | 5102914    | 1   | WASHER, ZT5400, SLOTTED                                                                             |
| 123    | 5101024X3  | 1   | HUB                                                                                                 |
| 200    | 5101026X8  | 1   | KIT SEAL                                                                                            |
| 203    | 5101026X12 | 1   | KIT, CHARGE PUMP, ZT2800, ZT3100                                                                    |
| 206    | 5103382    | 1   | HUB, ASM, TRANS #71446                                                                              |
| 207    | 5102916    | 1   | NUT, ZT5400                                                                                         |
| 210    | 5101026X9  | 1   | KIT, INPUT SHAFT                                                                                    |
| 311    | 5102809X1  | 1   | KIT, FAN AND PULLEY (72134)                                                                         |
| 1000   | 5104580X4  | 1   | KIT, PLUG, BRAKE BORE, OUTBOARD<br>-(FW25 & SW25 - S/N: All; FW35 & SW35 - S/N: 2017170235 & Above) |
| 1001   | 5104580X5  | 1   | KIT, PLUG, BRAKE BORE, INBOARD<br>-(FW35 & SW35 - S/N: 2017170234 & Below)                          |

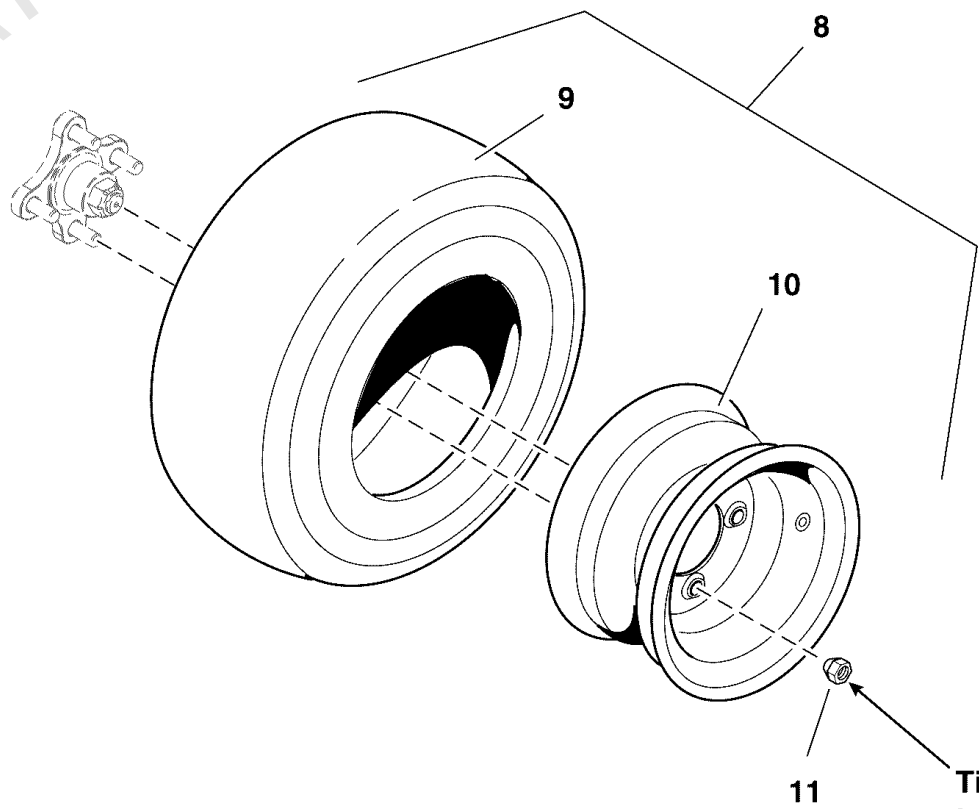
Front Wheels & Tires

5303868



Flat Free Tire

Rear Wheels & Tires



Inflate to 15 psi (1,03 bar)

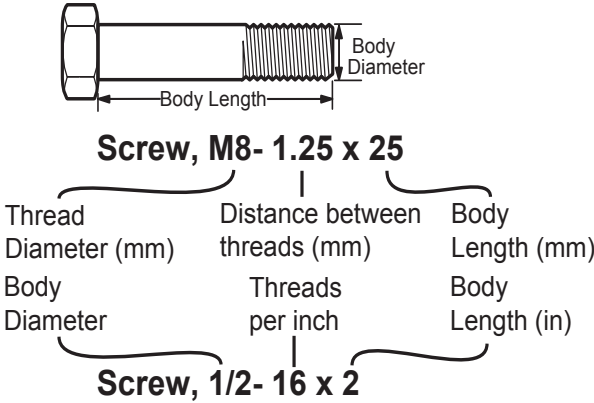
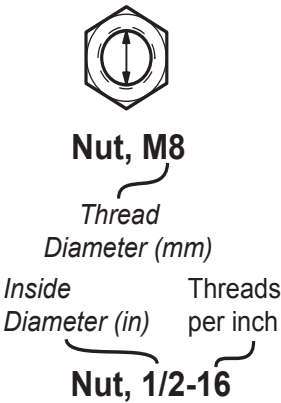
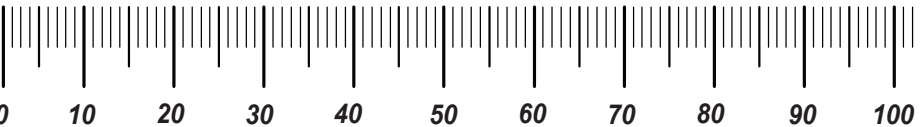
## Wheel & Tire Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                 |
|--------|------------|-----|-------------------------------------------------------------|
| 1      | 5025396    | 2   | NUT, Hex Flange, Nylock, 1/2-13                             |
| 2      | 5100790    | 2   | TIRE ASSM, 9 X 3.5 - 4, FF / CB                             |
| 3      | 5021182    | 2   | BEARING, ROLLER 3/4" ID X 3.25" (ONE PER TIRE)(SV)<br>-(SV) |
| 4      | 5021043    | 4   | RETAINER, BEARING<br>-(SV)                                  |
| 5      | 5041657    | 2   | AXLE, CASTER WHEEL                                          |
| 6      | 5025158    | 2   | WASHER, 1/2 SAE                                             |
| 7      | 5025017X48 | 2   | BOLT, 1/2-13 X 6 GD5 CZ                                     |
| 8      | 5101068    | 2   | TIRE ASSM, 20 X 7 - 10, TURF, 4 BOLT                        |
| 9      | 5101068X1  | 2   | TIRE, 20X7.00-10NHS, TURF MASTER<br>-(SV)                   |
| 10     | 5101068X2  | 2   | WHEEL, 10 X 6.00 4/4 SOLID, F237<br>-(SV)                   |
| 11     | 5020601    | 8   | NUT, 1/2-20, FOR WHEEL BOLT SILVER                          |

# Hardware Identification & Torque Specifications

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

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



## Standard Hardware Sizing

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

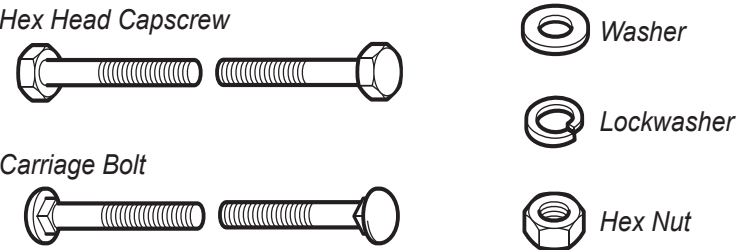
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

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

## NOTES

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

## Common Hardware Types



## Wrench & Fastener Size Guide

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

