



# Parts Manual

Mfg. No: 5901569

IS3200Z Series w/ 61" Mower Deck &  
ROPS (IS3200ZBVE3761 ANSI EXP)





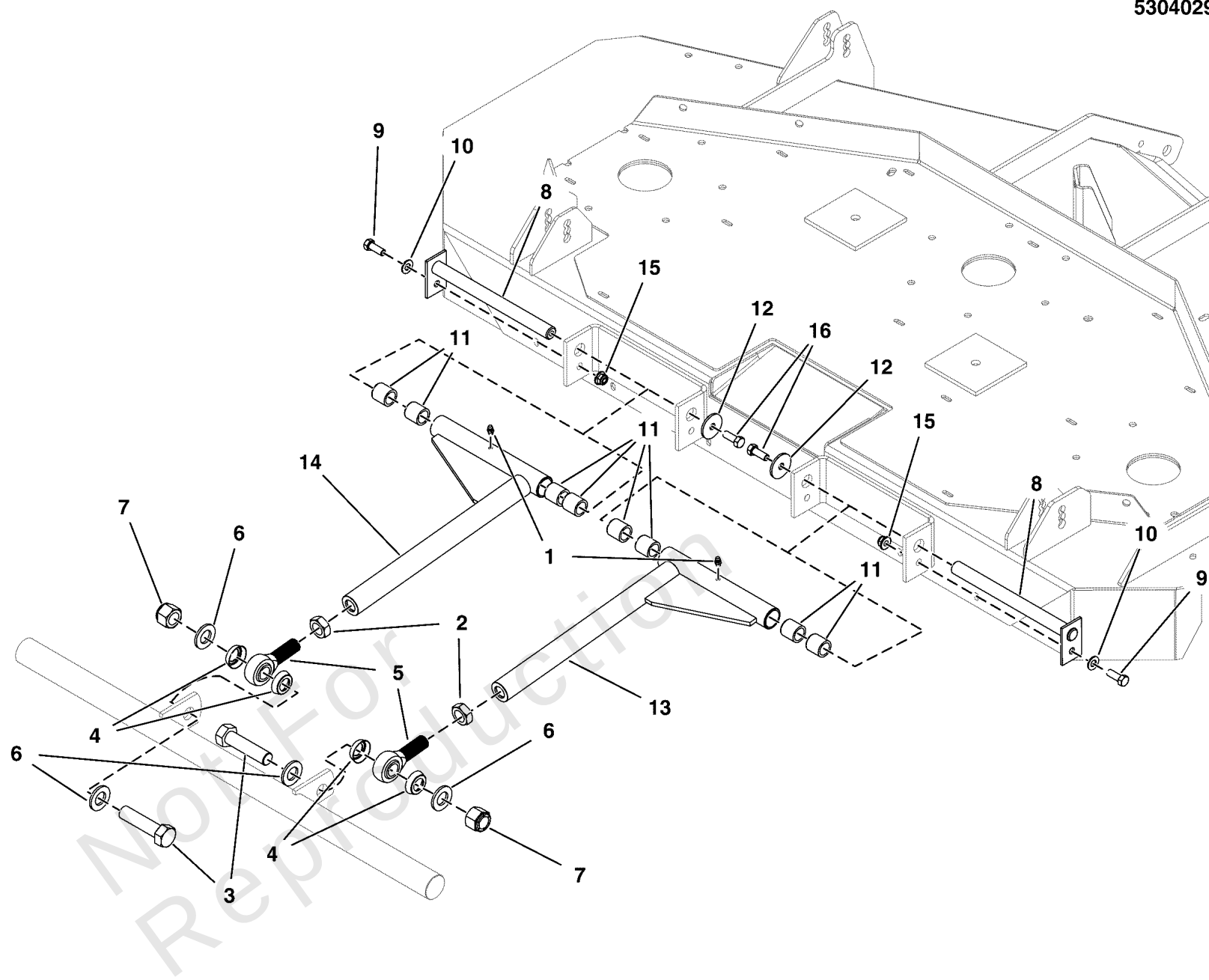
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61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978507 & Below

Note: Unless noted otherwise, use the standard torque specifications

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5304029



**61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978507 & Below**

| REF NO | PART NO    | QTY | DESCRIPTION                                                |
|--------|------------|-----|------------------------------------------------------------|
| 1      | 5020095    | 2   | GREASE FITTING, 1/4-28 STRAIGHT                            |
| 2      | 5025093    | 2   | NUT, 3/4-16 HEX JAM                                        |
| 3      | 5025265X24 | 2   | BOLT-3/4-16 X 3 GD8 CZ                                     |
| 4      | 5022111    | 4   | SEAL, 3/4 ROD END                                          |
| 5      | 5022039    | 2   | BALL JOINT, 3/4-16, MALE                                   |
| 6      | 5025160    | 4   | WASHER, 3/4 SAE                                            |
| 7      | 5025284    | 2   | NUT, 3/4-16 HEX NYLON LOCK                                 |
| 8      | 5045037A   | 2   | NLA - WELD, DECK MOUNT SHAFT - BLK<br>-(Refer to Note: *)  |
| 9      | 5025013X8  | 2   | BOLT, 3/8-16 X 1" GD5 CZ                                   |
| 10     | 5025156    | 2   | WASHER, 3/8 SAE                                            |
| 11     | 5023344    | 8   | BUSHING, .75 X 1.00 X 1.00, PLASTIC                        |
| 12     | 5100548    | 2   | WASHER, .390 X 1.50 X .109, CZ                             |
| 13     | -----      | 1   | WELD, PUSHER BAR, IS3200Z, RH - BLK<br>-(Refer to Note: *) |
| 14     | -----      | 1   | WELD, PUSHER BAR, IS3200Z, LH - BLK<br>-(Refer to Note: *) |
| 15     | 5025394    | 2   | NUT, 3/8-16 HEX NYLOCK FLANGE                              |
| 16     | 5025443    | 2   | BOLT, 3/8-16 X 3/4, PLT W/PATCH                            |

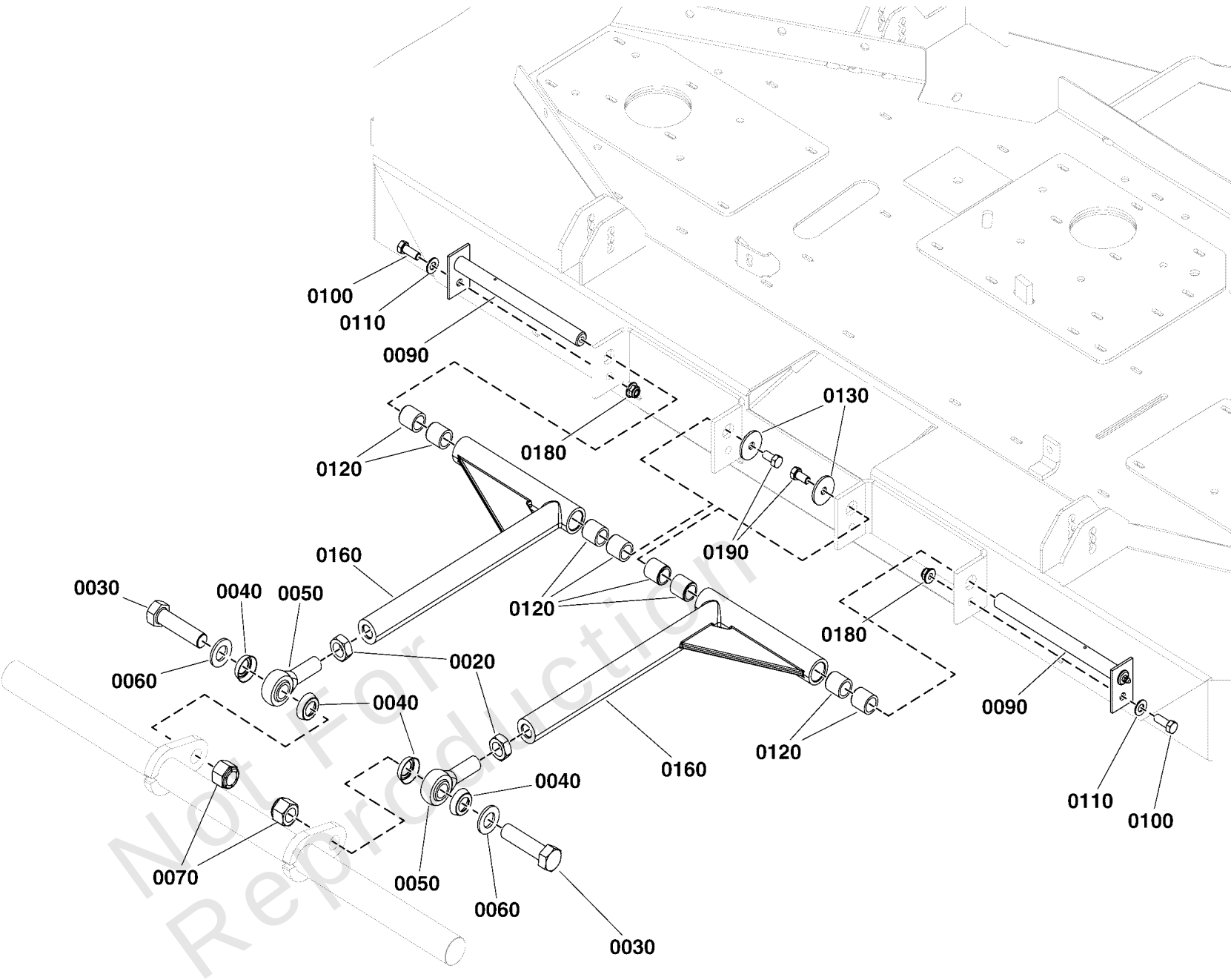
**Footnotes:**

Note: \*If replacing this part order both the pusher bar and pin as shown in the higher serial number range.

61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978508 & Above

Note: Unless noted otherwise, use the standard torque specifications

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**61" & 72" Mower Deck Group - Pusher Bars S/N: 2017978508 & Above**

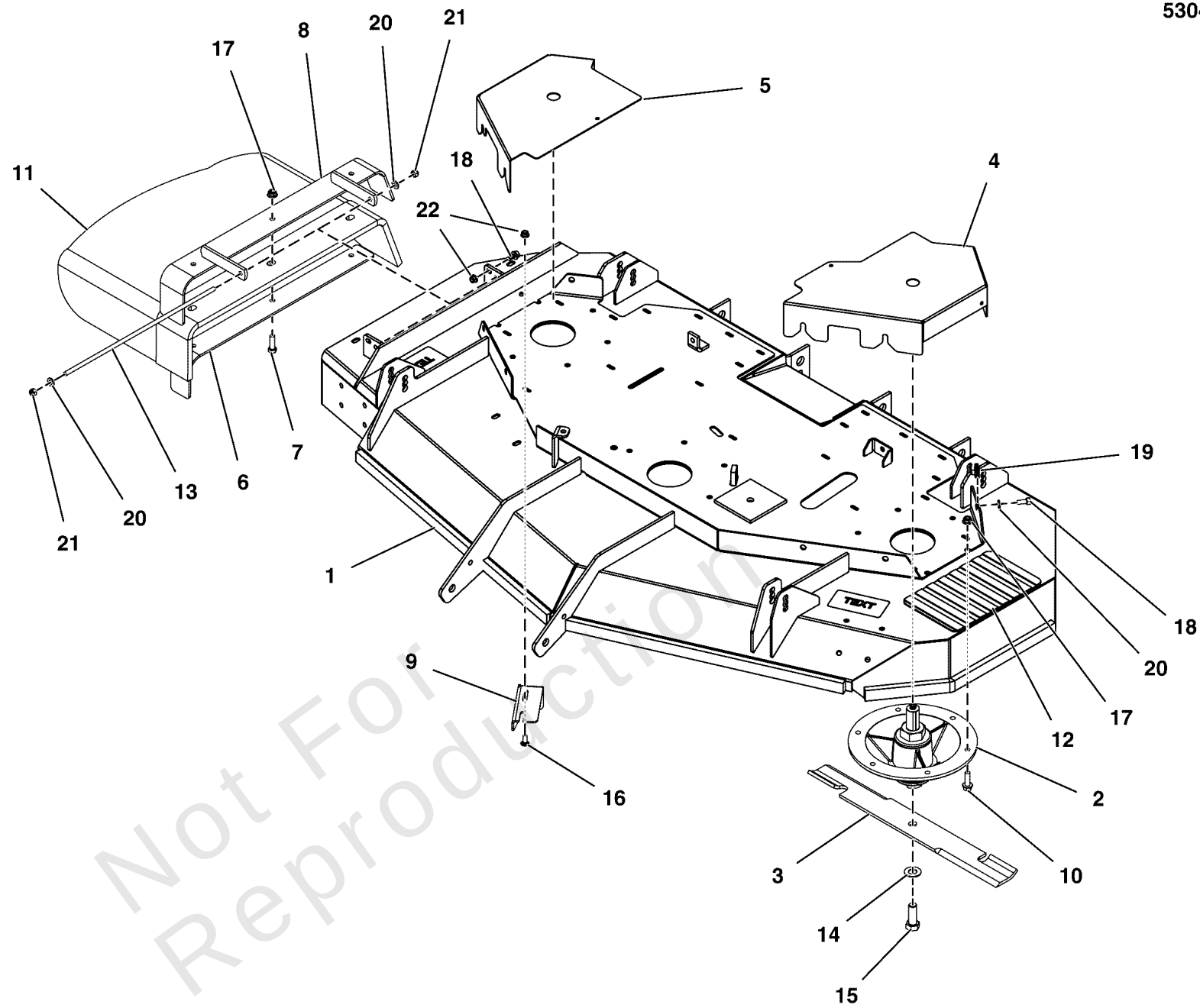
| REF NO | PART NO    | QTY | DESCRIPTION                         |
|--------|------------|-----|-------------------------------------|
| 0020   | 5025093    | 2   | NUT, Hex, Jam, 3/4-16               |
| 0030   | 5025265X24 | 2   | BOLT, 3/4-16 X 3" YZ GD5            |
| 0040   | 5022111    | 4   | SEAL, 3/4" ROD END                  |
| 0050   | 5022039    | 2   | BALL JOINT, 3/4-16, MALE            |
| 0060   | 5025160    | 4   | WASHER, 3/4 SAE                     |
| 0070   | 5025284    | 2   | NUT, Hex, Nylon Lock, 3/4-16        |
| 0090   | 5415240    | 2   | WELD, DECK MOUNT SHAFT              |
| 0100   | 5025013X8  | 2   | BOLT, 3/8-16 X 1" GD5 CZ            |
| 0110   | 5025156    | 2   | WASHER, 3/8 SAE                     |
| 0120   | 5023344    | 8   | BUSHING, .75 X 1.00 X 1.00, PLASTIC |
| 0130   | 5100548    | 2   | WASHER, .390 X 1.50 X .109, YZ      |
| 0160   | 5108820    | 2   | PUSHER BAR - CAST                   |
| 0180   | 5025394    | 2   | NUT, 3/8 - 16 HEX NYLOCK FLANGE     |
| 0190   | 5025443    | 2   | BOLT, 3/8-16 X 3/4, PLT W/PATCH     |

61" Mower Deck - Housing, Covers, Spindles & Blades (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

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5304618



## 61" Mower Deck - Housing, Covers, Spindles & Blades (2 Belt System)

| REF NO | PART NO    | QTY | DESCRIPTION                                                                                               |
|--------|------------|-----|-----------------------------------------------------------------------------------------------------------|
| 1      | 5600980    | 1   | DECK SHELL W/DECALS, 61, 3200Z (5414316B)<br>-(Domestic Models - S/N: 2017954955 & Below)                 |
| 1      | 84013916   | 1   | DECK SHELL W/DECALS, 61-3200E (5414316B)<br>-(Export Models - S/N: 2017954955 & Below)                    |
| 1      | 5601121    | 1   | DECK SHELL W/DECALS, 3200-61 (5422060B)<br>-(Domestic Models - S/N: 2017954956 & Above)(Refer to Note: *) |
| 1      | 84011197   | 1   | DECK SHELL w/Decals 3200-61E (5422060B)<br>-(Export Models - S/N: 2017954956 & Above)(Refer to Note: *)   |
| 2      | 84003242   | 3   | SPINDLE ASSEMBLY                                                                                          |
| 3      | 5101755S   | 1   | BLADE SET, 61 DECK (3)<br>-(SV)(Set of 3 blades)                                                          |
| 4      | 5413169B   | 1   | GUARD, IS3200Z, LH 61" - RED                                                                              |
| 5      | 5415578B   | 1   | GUARD, MOWER DECK, IS3200-61, RH - RED                                                                    |
| 6      | 5413385A   | 1   | SUPPORT, DISCHARGE CHUTE - BLK                                                                            |
| 7      | 5025146X12 | 3   | BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ                                                                   |
| 8      | 84008171   | 1   | MOUNT                                                                                                     |
| 9      | 5401344A   | 1   | PLATE, DEFLECTOR - BLK                                                                                    |
| 10     | 5025390X10 | 18  | BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ<br>-(Torque spindle mounting bolts to 30 ft-lbs (41 Nm))           |
| 11     | 84011105   | 1   | CHUTE, Discharge                                                                                          |
| 12     | 5101005    | 1   | SAFETY WALK, 9.75 X 6.00                                                                                  |
| 13     | 5061300    | 1   | ROD, MOUNT, CHUTE, 61, CZ                                                                                 |
| 14     | 5025477    | 3   | WASHER, BLADE BOLT, 9/16" F436, CZ                                                                        |
| 15     | 5025320X14 | 3   | BOLT, 5/8-11 X 1-3/4 GD8<br>-(Torque blade mounting bolts to 120 ft-lbs (163 Nm))                         |
| 16     | 5025145X6  | 2   | BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ                                                                    |
| 17     | 5025394    | 21  | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                                                           |
| 18     | 5025011X6  | 7   | BOLT, 5/16-18 X 3/4 GD5                                                                                   |
| 19     | 5022308    | 6   | BODY CLIP, 5/16-18-7GA MATERIAL                                                                           |
| 20     | 5025155    | 6   | WASHER, 5/16" SAE                                                                                         |
| 21     | 5025045    | 2   | NUT, 5/16-24 HEX NYLON LOCK                                                                               |
| 22     | 5025392    | 3   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                                                                        |

### Footnotes:

Note: \* If replacing the deck shell with decals on units in serial number range 2017954956 - 2018105410, you must also order 5105844 - Qty: 1, 5025098 - Qty: 1, 5025089 - Qty: 1, 5025158 - Qty: 2.



## 61" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

| REF NO  | PART NO      | QTY | DESCRIPTION                                                                         |
|---------|--------------|-----|-------------------------------------------------------------------------------------|
| 0001    | 5103812YP    | 1   | SPACER, .52 X .84 X 1                                                               |
| 0010    | 5104982YP    | 1   | BELT                                                                                |
| 0020    | 84003248     | 1   | PULLEY                                                                              |
| 0025    | 84003249     | 1   | PULLEY                                                                              |
| 0026    | 84003250     | 1   | PULLEY                                                                              |
| 0027    | 5020819SM    | 3   | BUSHING, Tapered Hub (Includes bolts)                                               |
| 0029    | 5025010X8SM  | 6   | BOLT, 1/4-20 X 1", GD                                                               |
| 0030    | 5022726YP    | 3   | KEY 1/4 SQ X 1 1/2                                                                  |
| 0080    | 84003252     | 1   | ARM, IDLER                                                                          |
| 0090    | 5104379YP    | 2   | SPACER                                                                              |
| 0100    | 5104383YP    | 2   | BEARING                                                                             |
| 0110    | 5104456YP    | 1   | SPACER, .51 X .84 X 1                                                               |
| 0120    | 5025017X32YP | 2   | BOLT, 1/2-13 X 4 GD5                                                                |
| 0130    | 770225       | 3   | NUT                                                                                 |
| 0140    | 84007049     | 1   | PULLEY ASSEMBLY<br>-(S/N: 4001876773 & Above)(Includes items # 0140-10 to 0140-40). |
| 0140-10 | 5020865FS    | 2   | RING, SNAP<br>-(S/N: 4001876773 & Above)                                            |
| 0140-20 | 5109021FS    | 2   | BEARING<br>-(S/N: 4001876773 & Above)                                               |
| 0140-30 | 5105011FS    | 1   | SPACER<br>-(S/N: 4001876773 & Above)                                                |
| 0140-40 | -----        | 1   | PULLEY HOUSING<br>-(S/N: 4001876773 & Above)(Refer to Note: *)                      |
| 0150    | 5100520SM    | 2   | SPACER .515X1.00X.218                                                               |
| 0160    | 5105041YP    | 1   | SHIELD                                                                              |
| 0170    | 5025017X28SM | 1   | BOLT, 1/2-13 X 3-1/2"                                                               |
| 0190    | 5105068YP    | 1   | SPRING                                                                              |
| 0210    | 5025128SM    | 2   | NUT, 3/8-16 HEX SERRA<br>-(Qty: 3 - S/N: 2018105410 & Below)                        |
| 0220    | 5025394SM    | 6   | NUT, 3/8-16 HEX NYLOCK<br>-(Qty: 7 - S/N: 2018105410 & Below)                       |
| 0230    | 5104780YP    | 1   | BELT                                                                                |
| 0240    | 84004874     | 2   | PULLEY                                                                              |
| 0250    | 5105146YP    | 2   | SHIELD                                                                              |
| 0260    | 5416161AYP   | 1   | ARM-IDLER<br>-(S/N: 2017702696 & Above)                                             |
| 0270    | 5103262YP    | 2   | SPACER, IDLER ARM                                                                   |
| 0280    | 7078243YP    | 2   | BEARING, BALL, AXLE                                                                 |
| 0300    | 5022847SM    | 1   | SPRING, EXTENSION, SW                                                               |
| 0310    | 5043815YP    | 1   | SPACER                                                                              |
| 0320    | 5041930SM    | 2   | SPACER, .38 X .50 X .                                                               |
| 0340    | 5025013X18SM | 1   | BOLT, 3/8-16 X 2-1/4"<br>-(Qty: 2 - S/N: 2017702695 & Below)                        |
| 0360    | 5105429YP    | 1   | SPACER                                                                              |
| 0365    | 5100334SM    | 1   | SPACER                                                                              |
| 0370    | 5025146X22YP | 1   | BOLT, Carriage, 3/8-16 x 2-1/2                                                      |
| 0380    | 5415374AYP   | 1   | PLATE                                                                               |
| 0400    | 5025146X36YP | 1   | BOLT                                                                                |
| 0410    | 5025013X8SM  | 1   | BOLT, 3/8-16 X 1" GD5                                                               |

### Footnotes:

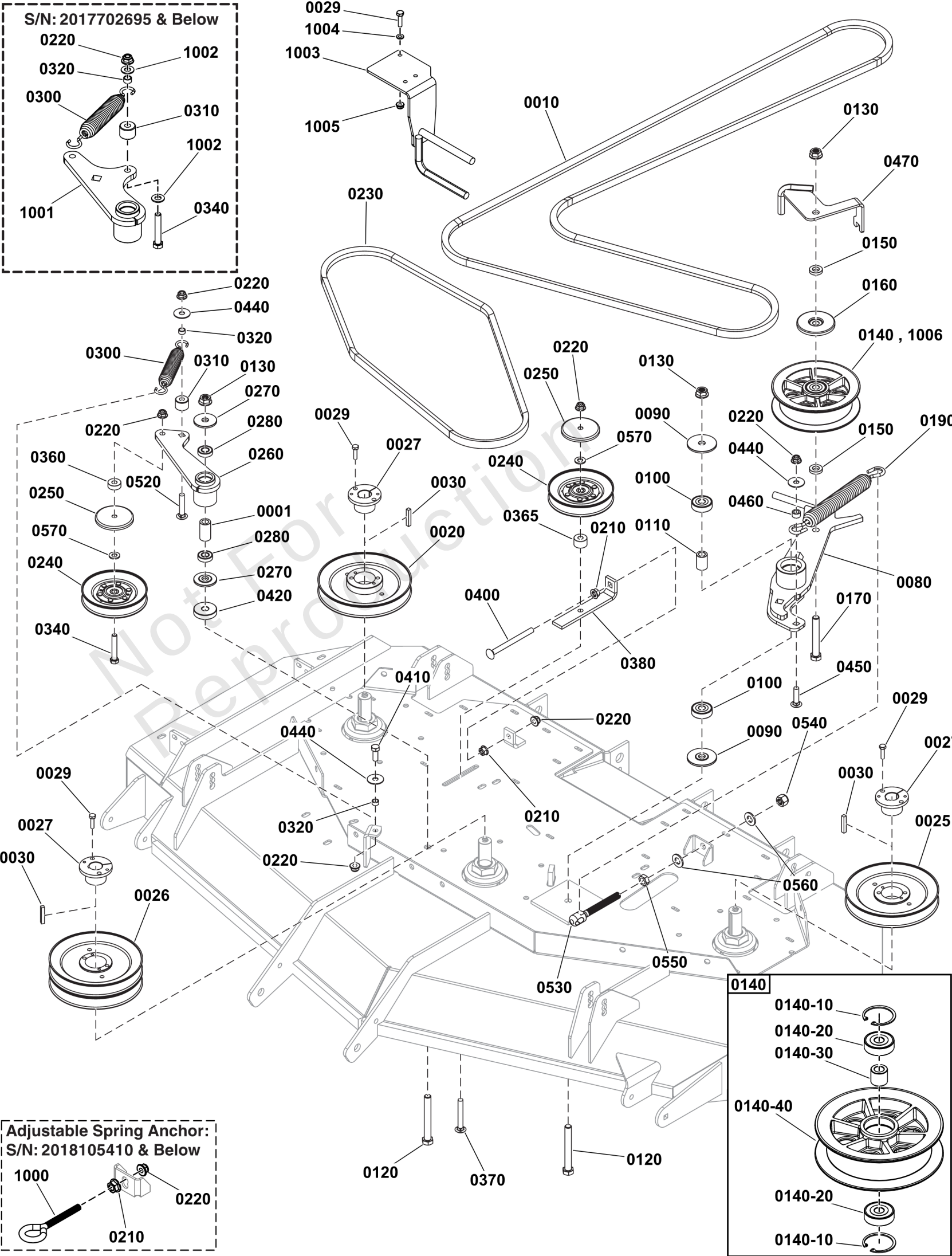
Note: \*When replacing this pulley, order the higher serial number pulley.

Note: \*Replace with item #0140.

61" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



## 61" Mower Deck Group - Pulleys, Belts & Idler Arms (2 Belt System)

| REF NO | PART NO      | QTY | DESCRIPTION                                                        |
|--------|--------------|-----|--------------------------------------------------------------------|
| 0420   | 84003251     | 1   | SPACER                                                             |
| 0440   | 5025165SM    | 3   | WASHER, 3/8" FENDER                                                |
| 0450   | 5025146X12YP | 1   | BOLT, 3/8-16 X 1-1/2                                               |
| 0460   | 5105297YP    | 1   | SPACER                                                             |
| 0470   | 84003253     | 1   | GUIDE, BELT                                                        |
| 0520   | 5025146X16SM | 1   | BOLT, 3/8-16 X 2", CA<br>-(S/N: 2017702696 & Above)                |
| 0530   | 5105844YP    | 1   | ANCHOR, SPRING<br>-(S/N: 2018105411 & Above)                       |
| 0540   | 5025098SM    | 1   | NUT, 1/2-20 HEX NYLON<br>-(S/N: 2018105411 & Above)                |
| 0550   | 5025089SM    | 1   | NUT, 1/2-20 HEX JAM<br>-(S/N: 2018105411 & Above)                  |
| 0560   | 5025158SM    | 2   | WASHER, 1/2" SAE<br>-(S/N: 2018105411 & Above)                     |
| 0570   | 5025293SM    | 2   | WASHER, 3/8"                                                       |
| 1000   | 5023497SM    | 1   | EYE BOLT, 3/8-16 X 5"<br>-(S/N: 2018105410 & Below)                |
| 1001   | -----        | 1   | REPLACE W/ 5416161AYP & 5025146X16SM<br>-(S/N: 2017702695 & Below) |
| 1002   | 5025156FS    | 1   | WASHER<br>-(Qty: 3 - S/N: 2017702695 & Below)                      |
| 1003   | 84003254     | 1   | GUIDE, BELT                                                        |
| 1004   | 703332       | 2   | WASHER                                                             |
| 1005   | 5025391FS    | 2   | NUT                                                                |
| 1006   | -----        | 1   | NLA - IDLER PULLEY<br>-(S/N: 4001876772 & Below)(Refer to Note: *) |

### Footnotes:

Note: \*When replacing this pulley, order the higher serial number pulley.

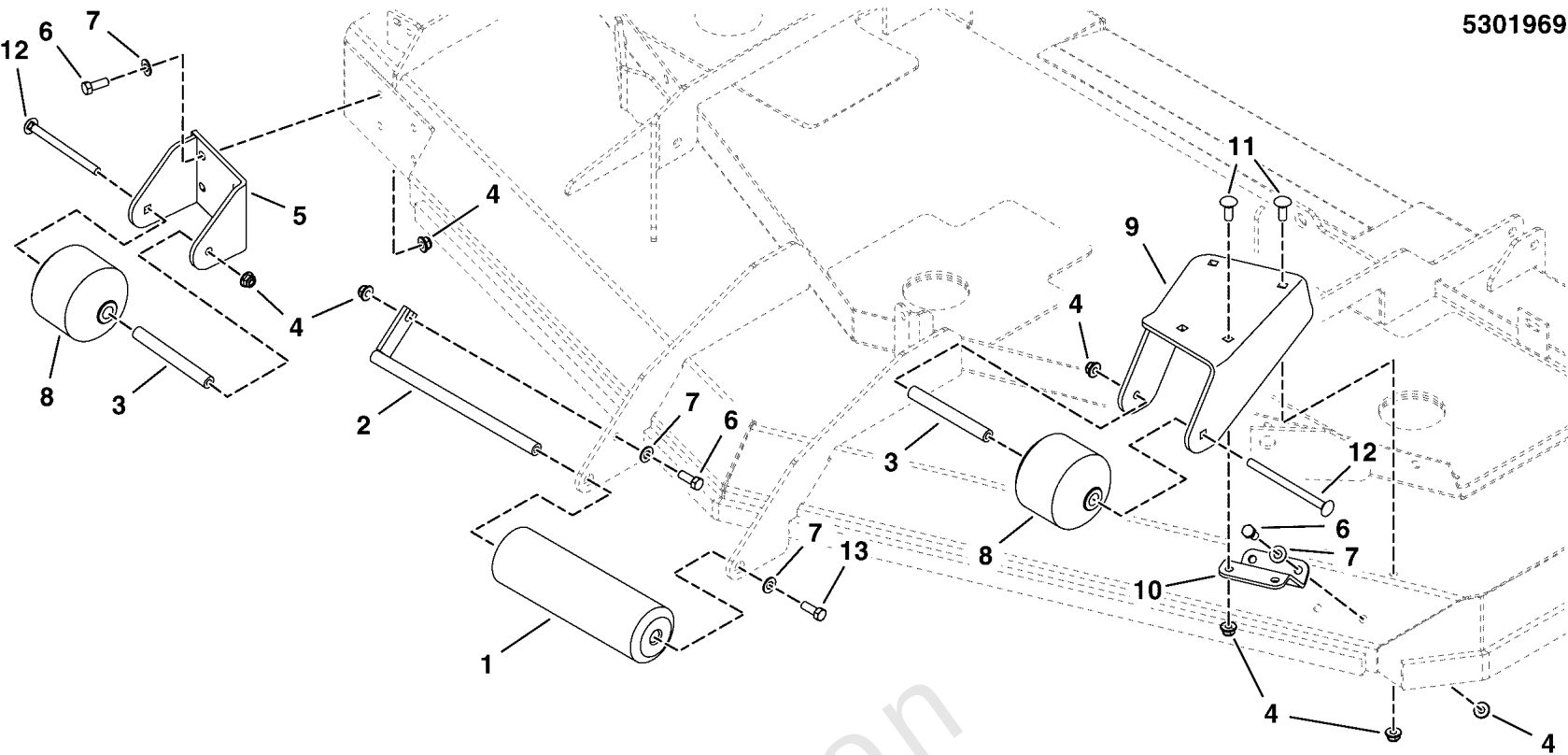
Note: \*Replace with item #0140.

61" Mower Deck Group - Rollers S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

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5301969



Not For  
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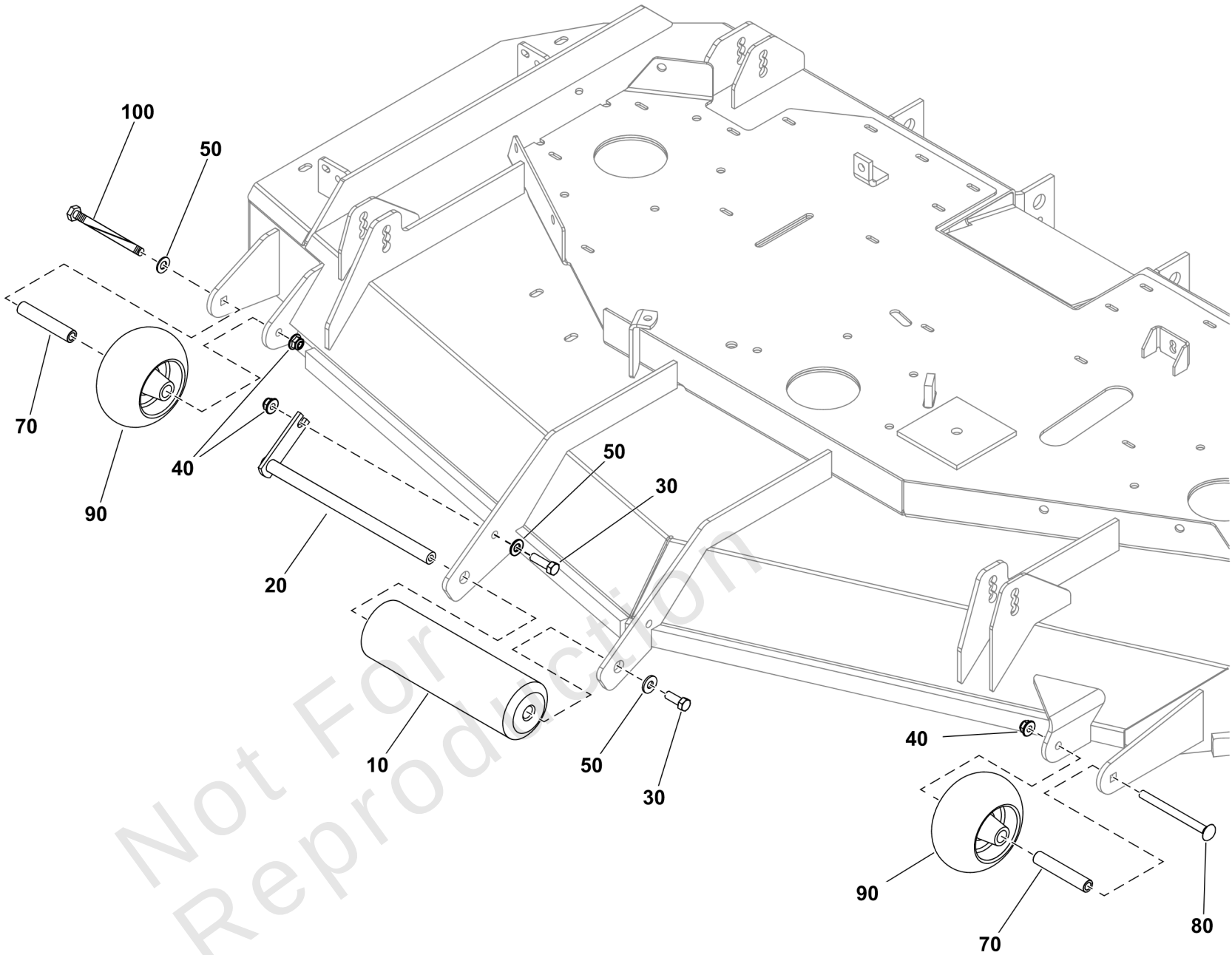
**61" Mower Deck Group - Rollers S/N: 2017954955 & Below**

| REF NO | PART NO    | QTY | DESCRIPTION                             |
|--------|------------|-----|-----------------------------------------|
| 1      | 5020785    | 1   | ROLLER, DECK                            |
| 2      | 5041655A   | 1   | USE 5105755 - WELD, BRKT,ROLLER PIN,BLK |
| 3      | 5101971    | 2   | SPACER, .38 X .63 X 4.31                |
| 4      | 5025394    | 13  | NUT, 3/8-16 HEX NYLOCK FLANGE           |
| 5      | 5409705B   | 1   | PLATE, BRACKET, ANTI-SCALP - RED        |
| 6      | 5025013X8  | 7   | BOLT, 3/8-16 X 1" GD5 CZ                |
| 7      | 5025156    | 8   | WASHER, 3/8 SAE                         |
| 8      | 5022060    | 2   | ROLLER, SMALL                           |
| 9      | 5407765B   | 1   | WELD, ANTI-SCALP BRACKET - RED          |
| 10     | 5407764B   | 1   | PLATE, ANTI-SCALP SUPPORT - RED         |
| 11     | 80004566   | 4   | BOLT,3/8-16X1.00,RD SH SQ NK,GR 5,ZC/CL |
| 12     | 5025146X44 | 2   | BOLT, 3/8-16 X 5-1/2, CARRIAGE, GD5, CZ |
| 13     | 5025013X10 | 1   | BOLT, 3/8-16 X 1-1/4" GD5 CZ            |

61" Mower Deck Group - Rollers S/N: 2017954956 & Above

Note: Unless noted otherwise, use the standard torque specifications

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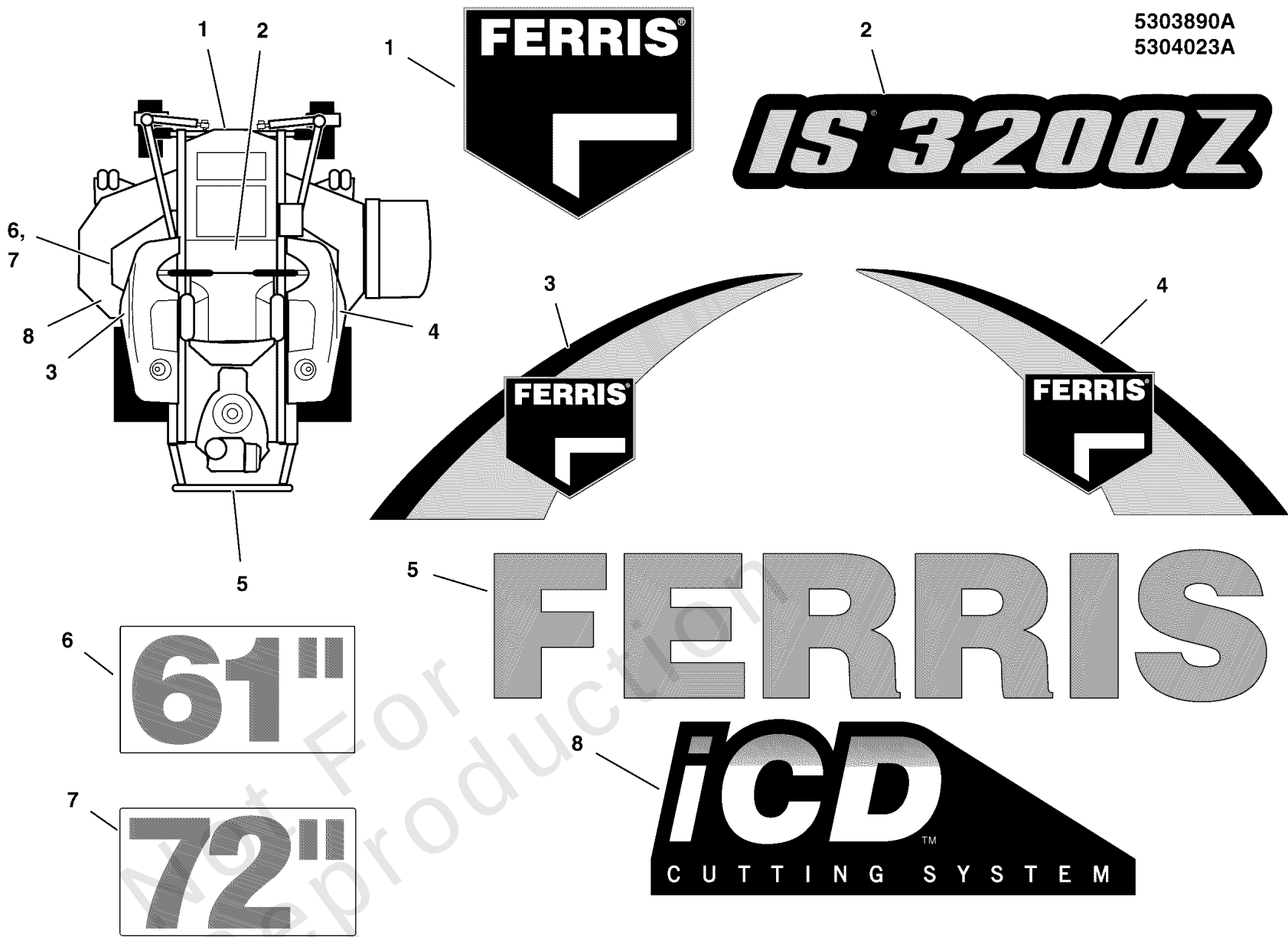
### 61" Mower Deck Group - Rollers S/N: 2017954956 & Above

| REF NO | PART NO      | QTY | DESCRIPTION            |
|--------|--------------|-----|------------------------|
| 10     | 5020785SM    | 1   | ROLLER, DECK           |
| 20     | 5041655AYP   | 1   | WELD, BRACKET, ROLLER  |
| 30     | 5025013X8SM  | 2   | BOLT, 3/8-16 X 1" GD5  |
| 40     | 5025394SM    | 3   | NUT, 3/8-16 HEX NYLOCK |
| 50     | 5025156FS    | 3   | WASHER                 |
| 70     | 5105554YP    | 2   | SPACER                 |
| 80     | 5025146X36YP | 1   | BOLT                   |
| 90     | 5105521FS    | 2   | WHEEL                  |
| 100    | 5025013X36YP | 1   | BOLT, 3/8-16 X 4-1/2   |

Decal Group - Brand & Model

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



### ***Decal Group - Brand & Model***

| REF NO | PART NO   | QTY | DESCRIPTION                                      |
|--------|-----------|-----|--------------------------------------------------|
| 1      | 5104756FS | 2   | DECAL, BRAND<br>-(Refer to Note: *)              |
| 2      | 5104758FS | 1   | DECAL, MODEL                                     |
| 3      | 5108857FS | 1   | DECAL, Model, Left Hand<br>-(Refer to Note: **)  |
| 4      | 5108858FS | 1   | DECAL, MODEL, RIGHT HAND<br>-(Refer to Note: **) |
| 5      | 5103799   | 1   | DECAL, FERRIS, 2.23" X 11.39"                    |
| 6      | 5022813   | 1   | DECAL, 61<br>-(61" Models Only)                  |
| 7      | 5022814   | 1   | DECAL, 72<br>-(72" Models Only)                  |
| 8      | 5102210   | 1   | DECAL, iCD CUTTING SYSTEM                        |

Not For  
Reproduction

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**Footnotes:**

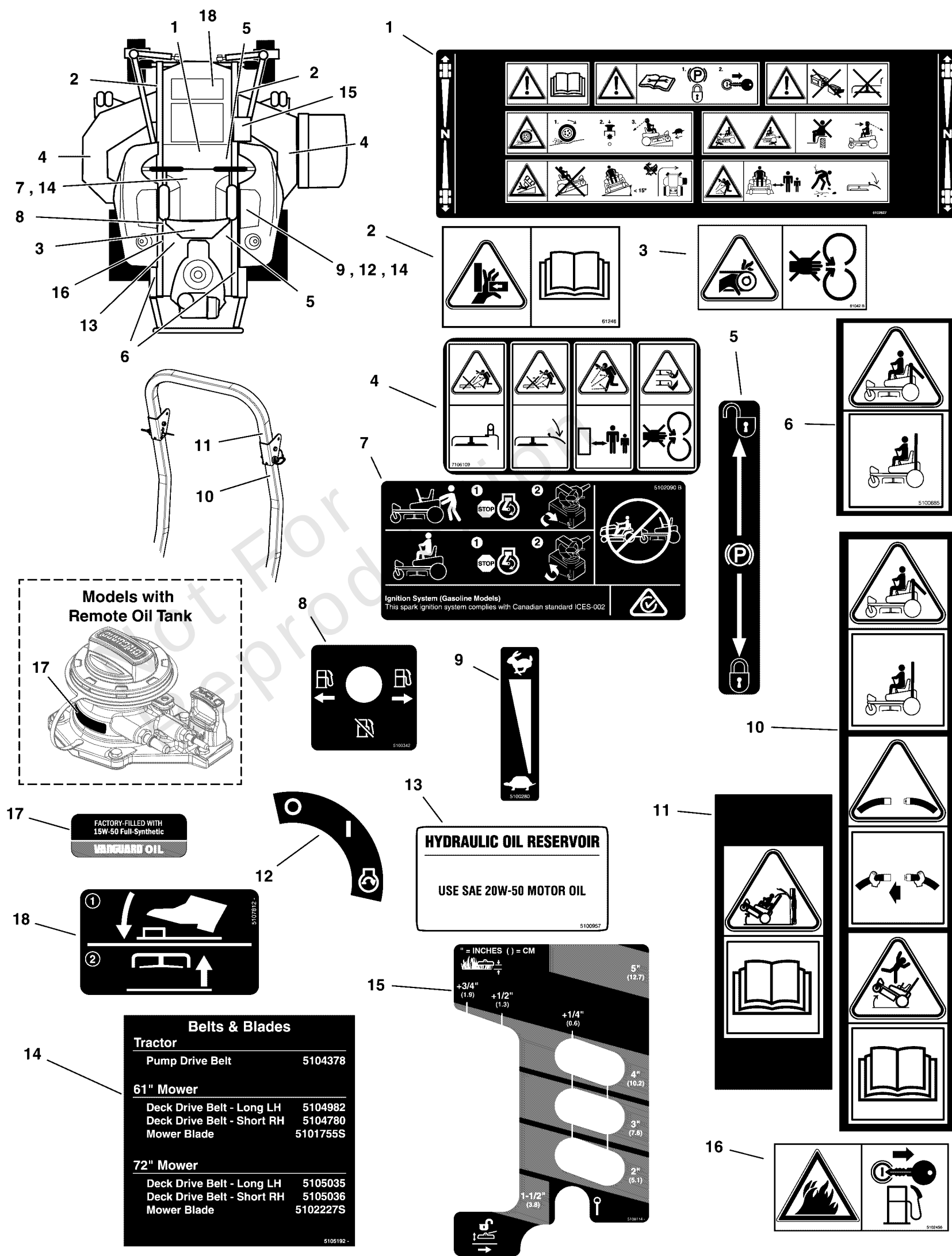
Note: \*\*Replacement Tank Badge Decals are visually different it is recommended that you replace both at the same time.

Note: \*One decal installed on headrest bracket.

### *Decal Group - Safety & Operation (Export Models)*

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



### ***Decal Group - Safety & Operation (Export Models)***

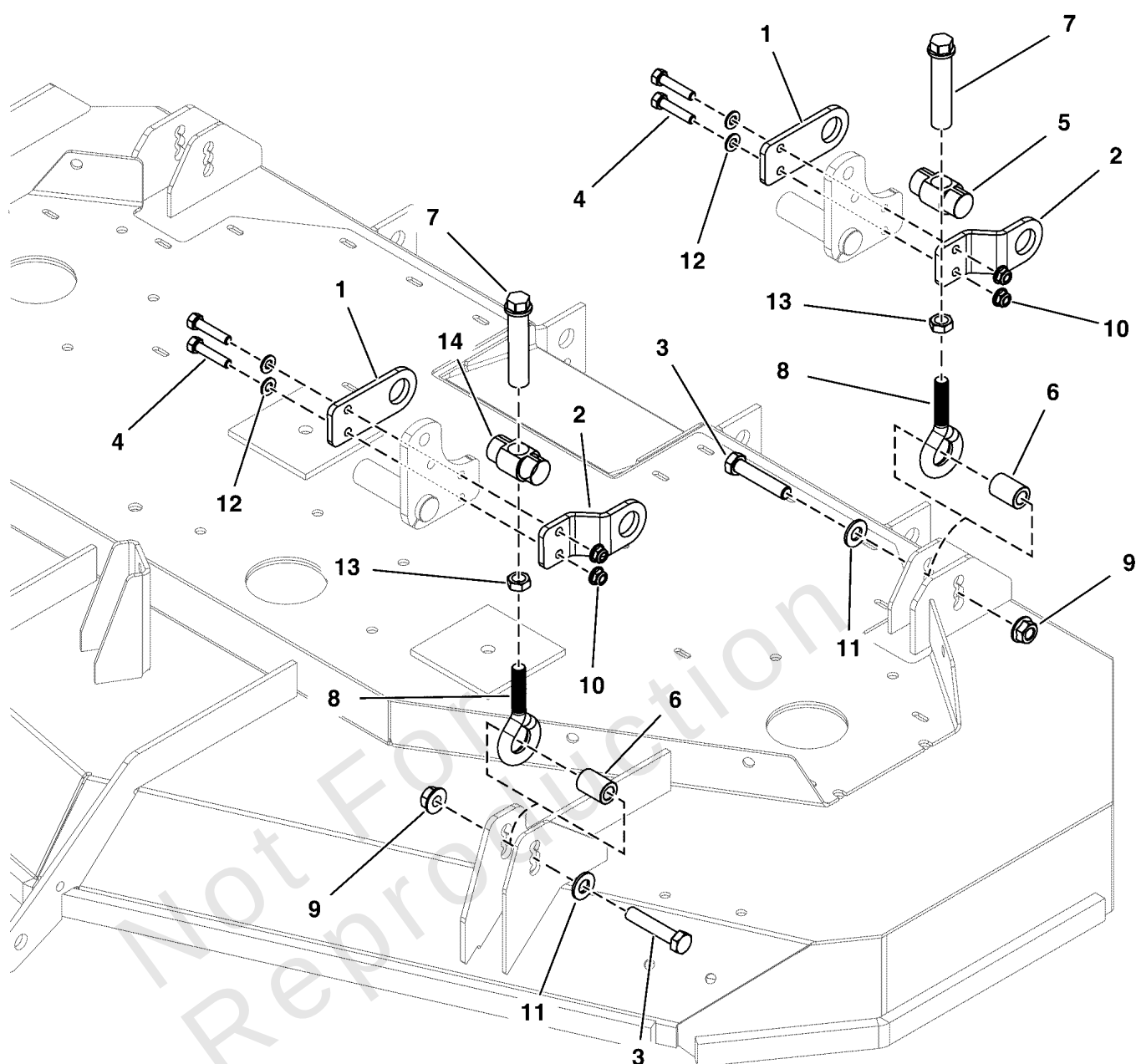
| REF NO | PART NO  | QTY | DESCRIPTION                                                                  |
|--------|----------|-----|------------------------------------------------------------------------------|
| 1      | 5102627  | 1   | DECAL, MAIN SAFETY, ANSI CE<br>-(S/N: 4000057302 & Below)                    |
| 1      | 5106565  | 1   | DECAL, MAIN SAFETY, EXPORT<br>-(S/N: 4000057303 & Above)                     |
| 2      | 5061246  | 2   | DECAL, PINCH POINT, CE                                                       |
| 3      | 84008302 | 1   | DECAL, Warning/Safety, Hand in Belt                                          |
| 4      | 7106109  | 2   | DECAL, DISCHARGE SAFETY, EXPORT                                              |
| 5      | 5102628  | 1   | DECAL, PARKING BRAKE SYMBOLS                                                 |
| 6      | 5100685  | 2   | DECAL, WARNING, ROLL BAR, CE                                                 |
| 7      | 5102090  | 1   | DECAL, TRANSAXLE RELEASE, S200XT                                             |
| 8      | 5100342  | 1   | DECAL, FUEL VALVE                                                            |
| 9      | 5100280  | 1   | DECAL, THROTTLE CONTROL                                                      |
| 10     | 5100536  | 1   | DECAL, SAFETY, CE ROPS (SV)                                                  |
| 11     | 5100537  | 1   | DECAL, SAFETY, CE ROPS, OBS (SV)                                             |
| 12     | 5048970  | 1   | DECAL, IGNITION SWITCH                                                       |
| 13     | 5100957  | 1   | DECAL, HYDRAULIC OIL, 20W50<br>-(Located on cross rail by hydraulic tanks)   |
| 14     | 5105192  | 1   | DECAL, BELT & BLADE IS3200Z 2BELT                                            |
| 15     | 5103720  | 1   | DECAL, CUT HEIGHT, IS700/ZTS700                                              |
| 16     | 5102456  | 1   | DECAL, FIRE ANSI EXPORT                                                      |
| 17     | -----    | 1   | LABEL, OIL INFORMATION<br>-(Models w/ Remote Oil Tank Only)                  |
| 18     | 5107812  | 1   | DECAL, FOOT OPERATED DECK LIFT<br>-(CE Models with Hydraulic Deck Lift Only) |

### *Deck Lift Group - Deck Hangers*

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303886C  
5303958C



### ***Deck Lift Group - Deck Hangers***

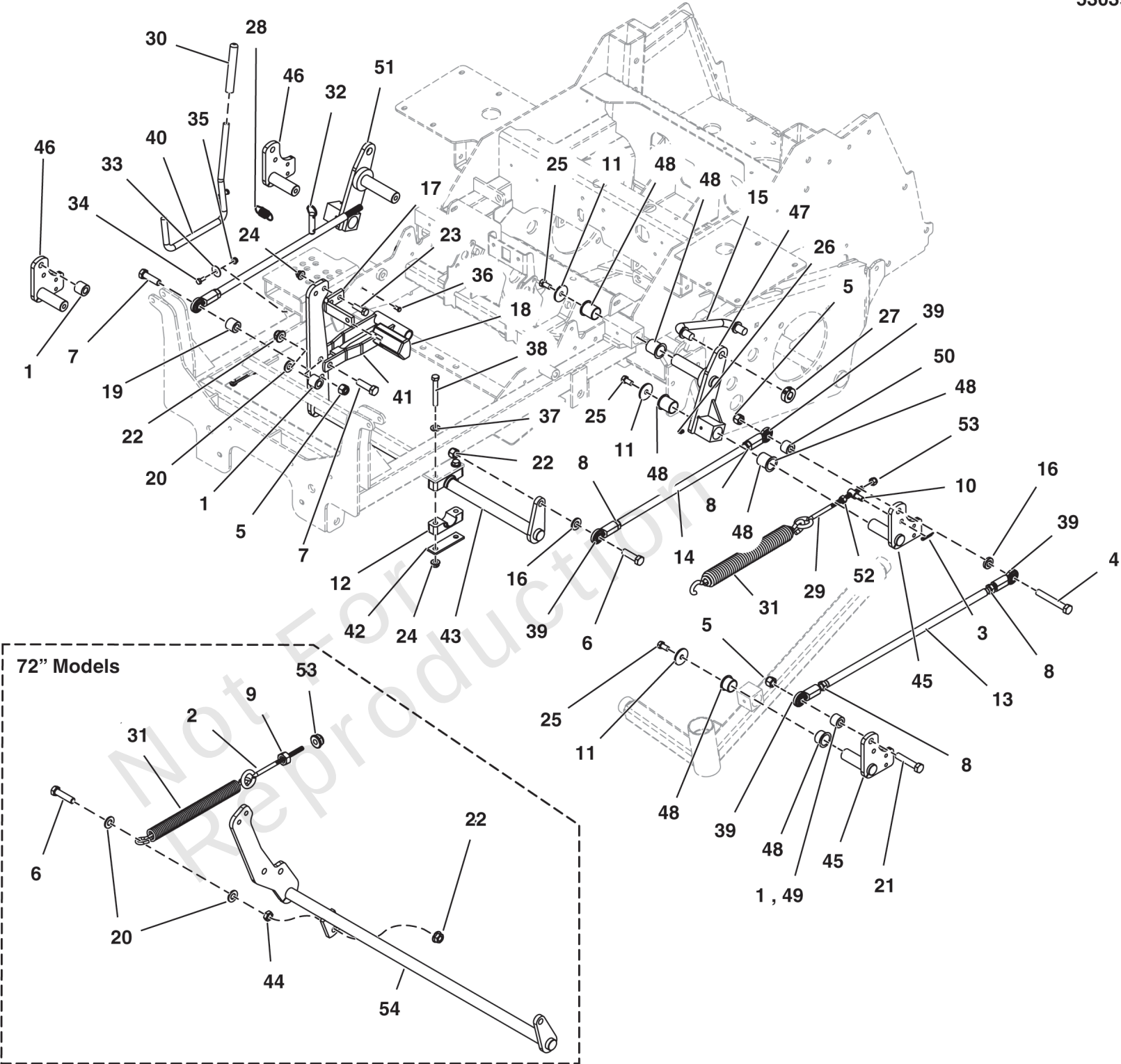
| REF NO | PART NO      | QTY | DESCRIPTION            |
|--------|--------------|-----|------------------------|
| 1      | 84003300     | 4   | MOUNT                  |
| 2      | 84003301     | 4   | MOUNT                  |
| 3      | 5025017X20SM | 4   | BOLT, 1/2-13 X 2-1/2   |
| 4      | 5025013X12SM | 8   | BOLT, 3/8-16 X 1-1/2"  |
| 5      | 84003302     | 2   | TRUNNION               |
| 6      | 84003303     | 4   | SPACER                 |
| 7      | 5109915FS    | 4   | ADJUSTER, HEIGHT       |
| 8      | 84003305     | 4   | EYE BOLT               |
| 9      | 770225       | 4   | NUT                    |
| 10     | 5025394SM    | 8   | NUT, 3/8-16 HEX NYLOCK |
| 11     | 5025158SM    | 4   | WASHER, 1/2" SAE       |
| 12     | 5025156FS    | 8   | WASHER                 |
| 13     | 5025089SM    | 4   | NUT, 1/2-20 HEX JAM    |
| 14     | 84003306     | 2   | TRUNNION               |

Deck Lift Group S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303886B  
5303958B



## Deck Lift Group S/N: 2017954955 & Below

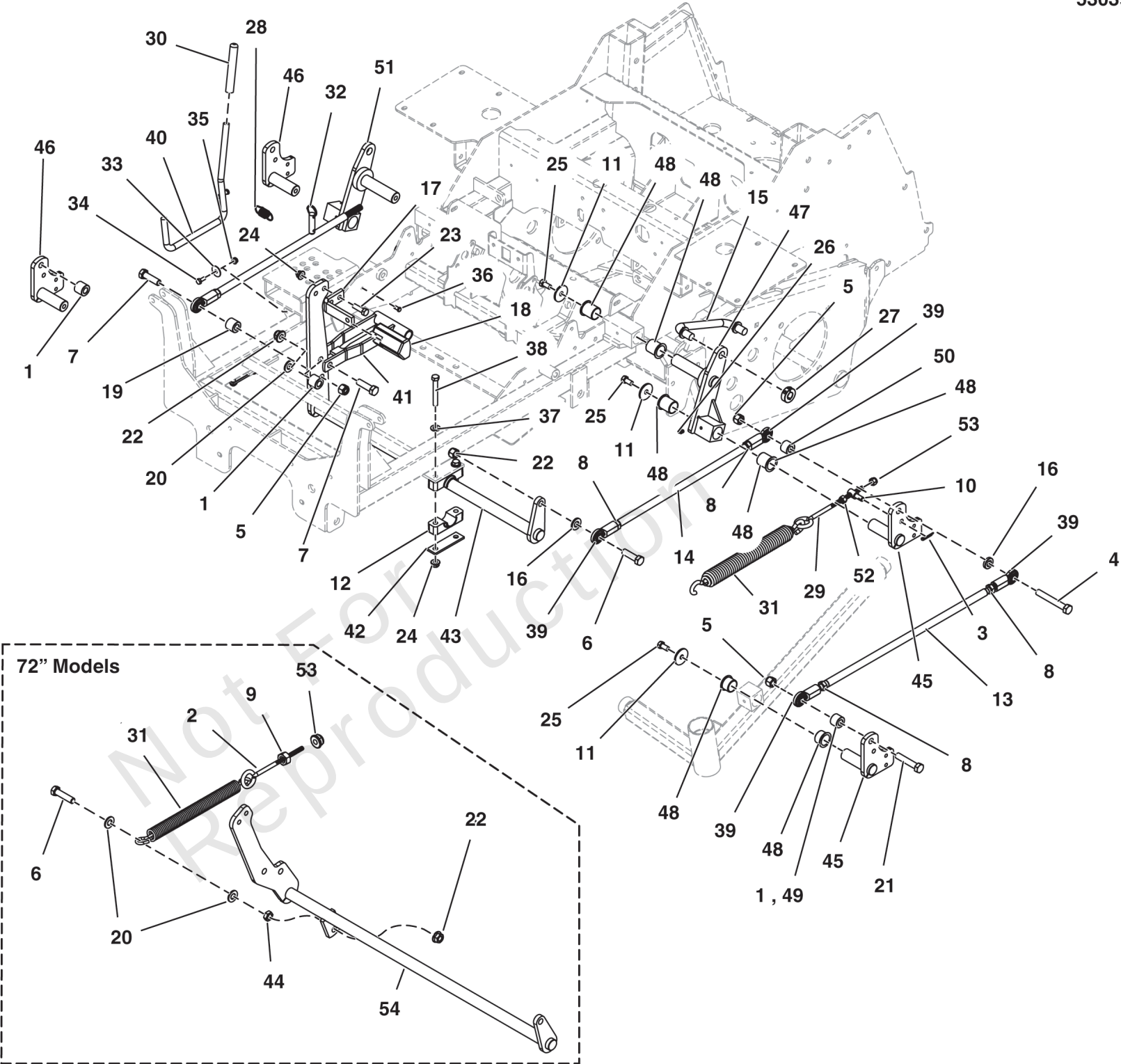
| REF NO | PART NO    | QTY | DESCRIPTION                                                        |
|--------|------------|-----|--------------------------------------------------------------------|
| 1      | 5045178    | 2   | SPACER, .52 X 1.00 X .75, CZ<br>-(Qty: 3 - 72" Models)             |
| 2      | 5023497    | 1   | EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ<br>-(72" Models)          |
| 3      | 5025203X6  | 2   | * PIN, COTTER, 1/8" X 3/4                                          |
| 4      | 5025017X24 | 2   | BOLT, 1/2-13 X 3" GD5 CZ                                           |
| 5      | 5025056    | 4   | NUT, 1/2-13 HEX NYLON LOCK                                         |
| 6      | 5025017X16 | 1   | BOLT, 1/2-13 X 2" GD5 CZ<br>-(Qty: 2 - 72" Models)                 |
| 7      | 5025017X20 | 2   | BOLT, 1/2-13 X 2-1/2" GD5 CZ                                       |
| 8      | 5025089    | 8   | NUT, 1/2-20 Hex Jam                                                |
| 9      | 5025128    | 1   | NUT, 3/8-16 Hex Large Serrated Flange<br>-(72" Models)             |
| 10     | 5100380    | 2   | * ADJUSTER, DECK HANGER                                            |
| 11     | 5100548    | 6   | WASHER, .390 X 1.50 X .109, YZ                                     |
| 12     | 5100634    | 4   | PIVOT BLOCK, PLASTIC                                               |
| 13     | 5103710    | 2   | ROD, DECK LIFT, EXTERNAL THRD, 20.63                               |
| 14     | 5104475    | 2   | BAR, DECK LIFT, 17.75"                                             |
| 15     | 5103703    | 2   | ROD, SUSPENSION LINK, IS700, CZ                                    |
| 16     | 5100520    | 3   | SPACER, .52 X 1.00 X .22, PM, CZ                                   |
| 17     | 5061569A   | 1   | PEDAL, FOOT - BLK                                                  |
| 18     | 5104262    | 1   | PEDAL, Rubber                                                      |
| 19     | 5044673    | 1   | SPACER, .52 X 1.00 X .88, PM, CZ                                   |
| 20     | 5025158    | 3   | WASHER, 1/2 SAE<br>-(Qty: 5 - 72" Models)                          |
| 21     | 5025017X22 | 2   | BOLT, 1/2-13 X 2-3/4 GD5 CZ                                        |
| 22     | 5025396    | 3   | NUT, Hex Flange, Nylock, 1/2-13<br>-(Qty: 4 - 72" Models)          |
| 23     | 5025013X10 | 2   | BOLT, 3/8-16 X 1-1/4" GD5 CZ                                       |
| 24     | 5025394    | 6   | NUT, 3/8 - 16 HEX NYLOCK FLANGE<br>-(Qty: 7 - 72" Models)          |
| 25     | 5025443    | 6   | BOLT, 3/8-16 X 3/4, PLT W/PATCH                                    |
| 26     | 5020095    | 8   | GREASE FITTING, 1/4-28 Straight                                    |
| 27     | 5020441    | 4   | COLLAR, 5/8" Split                                                 |
| 28     | 5010213    | 1   | SPRING-EXT, .740 ODX2.025LGX.072WR, BLK                            |
| 29     | 5021811    | 2   | EYE BOLT, 3/8-16 X 8, 3THRD, 1EYE, CZ                              |
| 30     | 5021880    | 1   | GRIP, FOAM, .475 X 4.35 X .095                                     |
| 31     | 5023392    | 2   | SPRING-EXT, 1.393 ODX13.25LGX.218WR, BLK<br>-(Qty: 3 - 72" Models) |
| 32     | 5023498    | 1   | PIN, HITCH, 1/2 X 2.00 OAL, YP                                     |
| 33     | 5025288    | 2   | WASHER, 1/4" Fender                                                |
| 34     | -----      | 2   | HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR                              |
| 35     | 5025391    | 2   | NUT, 1/4-20 Hex Nylock Flange                                      |
| 36     | 5025212X4  | 1   | PIN, CLEVIS, 1/4 X 1/2, PLATED                                     |
| 37     | 5025156    | 8   | WASHER, 3/8 SAE                                                    |
| 38     | 5025013X22 | 4   | BOLT, 3/8-16 X 2-3/4" GD5 CZ                                       |
| 39     | 1702779    | 8   | JOINT-BALL .500-20 THD .500ID, CLR ZINC                            |
| 40     | 5410317A   | 1   | WELD, Rod, Deck Lift - BLK                                         |
| 41     | 5410315A   | 1   | USE 5104133 - WELD,DECK HEIGHT LNK,IS700                           |
| 42     | 5403925A   | 2   | PLATE, PIVOT BLOCK SUPPORT - BLK                                   |
| 43     | 5412678B   | 1   | WELD, DECK LIFT SHAFT - RED (61)<br>-(61" Models)                  |
| 44     | 5025301    | 1   | NUT, Hex, Jam, 1/2-13<br>-(72" Models)                             |

Deck Lift Group S/N: 2017954955 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303886B  
5303958B



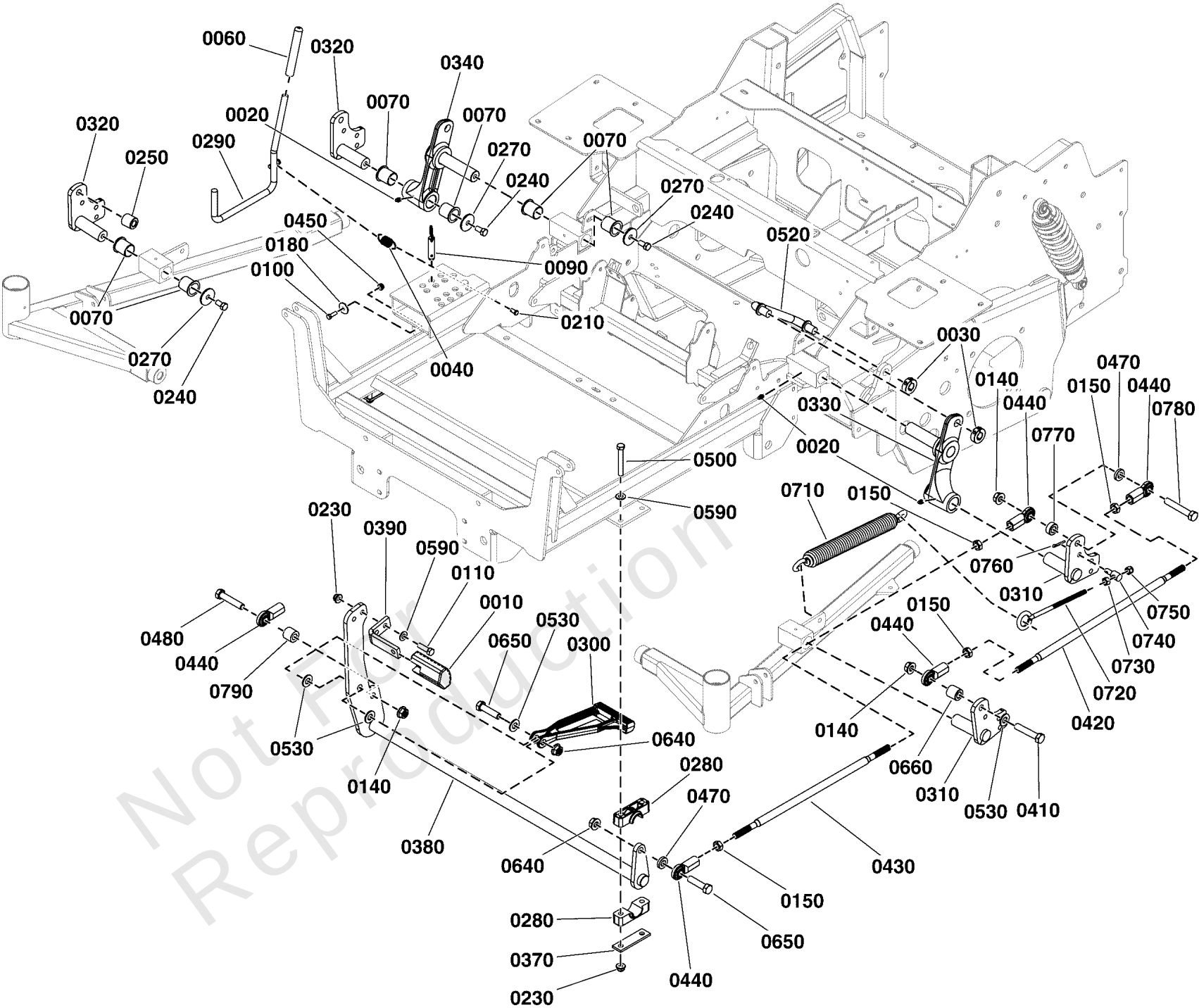
**Deck Lift Group S/N: 2017954955 & Below**

| REF NO | PART NO   | QTY | DESCRIPTION                                                               |
|--------|-----------|-----|---------------------------------------------------------------------------|
| 45     | 5413901AA | 2   | WELD, DECK LIFT LEVER, LH - BLK                                           |
| 46     | 5413902AA | 2   | WELD, DECK LIFT LEVER, RH - BLK                                           |
| 47     | 5401664A  | 1   | WELD, REAR LIFT - LH - BLK                                                |
| 48     | 5023343   | 12  | BUSHING, 1.00 X 1.13 X 1.38, Plastic                                      |
| 49     | 5049777   | 1   | SPACER, .52 x 1.00 x 1.00<br>-(61" Models)                                |
| 50     | 5045023   | 2   | SPACER, .52 X 1.00 X .44, CZ                                              |
| 51     | 5401665A  | 1   | WELD, REAR LIFT - RH - BLK                                                |
| 52     | 5025034   | 2   | NUT, 3/8-16 HEX, YZ                                                       |
| 53     | 5025096   | 2   | NUT, 3/8-16 HEX NYLON LOCK                                                |
| 54     | 5413565B  | 1   | WELD, DECK LIFT SHAFT, 72<br>-(72" Models)(S/N: 2017811845 & Below)       |
| 54     | 5420046AA | 1   | WELD, DECK LIFT SHAFT, 72 - BLK<br>-(72" Models)(S/N: 2017811846 & Above) |

**Deck Lift Group S/N: 2017954956 & Above**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



**Deck Lift Group S/N: 2017954956 & Above**

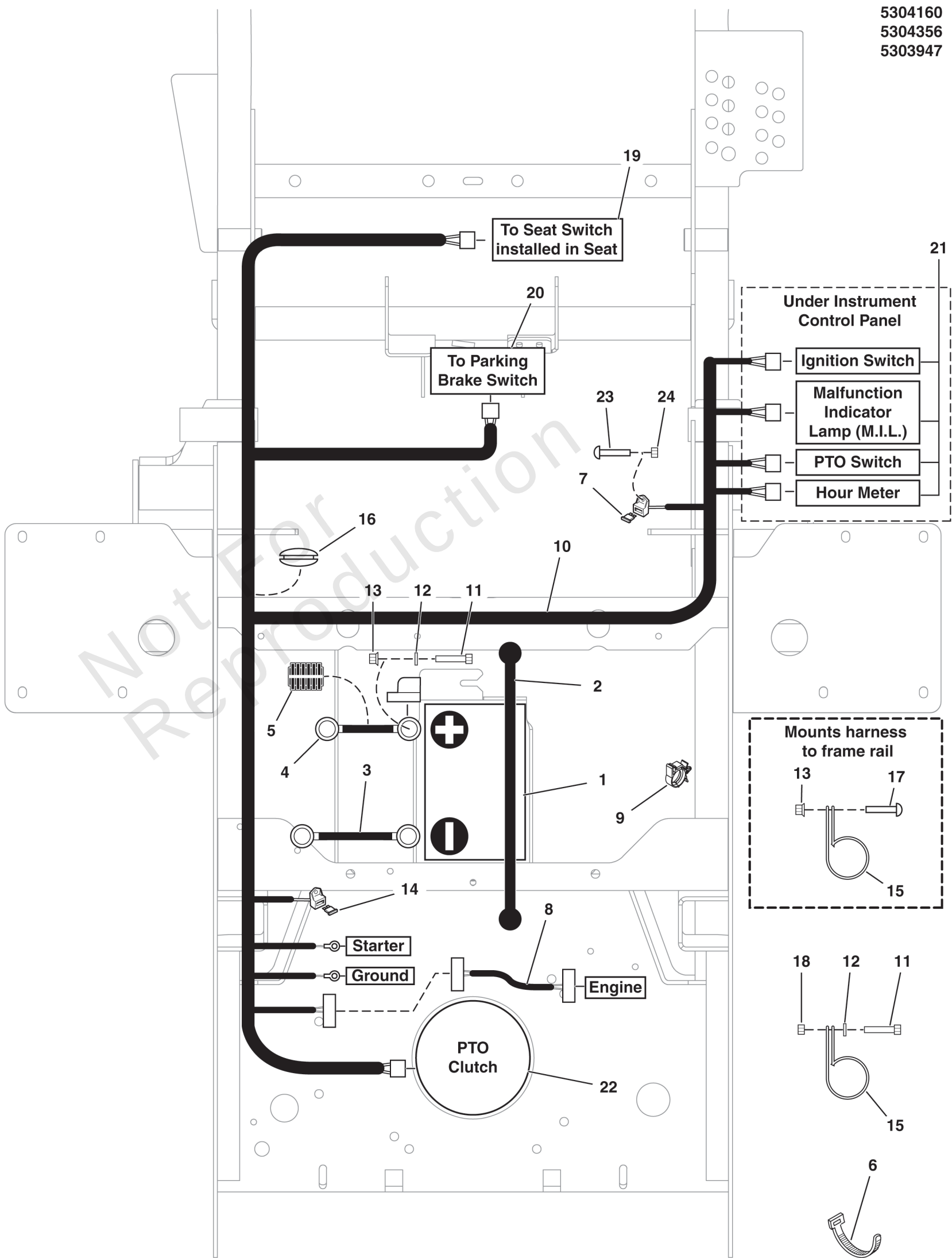
| REF NO | PART NO    | QTY | DESCRIPTION                              |
|--------|------------|-----|------------------------------------------|
| 0010   | 5104262    | 1   | PEDAL, Rubber                            |
| 0020   | 5020095    | 8   | GREASE FITTING, 1/4-28 Straight          |
| 0030   | 5020441    | 4   | COLLAR, 5/8" Split                       |
| 0040   | 5010213    | 1   | SPRING-EXT, .740 ODX2.025LGX.072WR, BLK  |
| 0060   | 5021880    | 1   | GRIP, FOAM, .475 X 4.35 X .095           |
| 0070   | 5023343    | 12  | BUSHING, 1.00 X 1.13 X 1.38, Plastic     |
| 0090   | 5023498    | 1   | PIN, HITCH, 1/2 X 2.00 OAL, YP           |
| 0100   | -----      | 2   | HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR    |
| 0110   | 5025013X10 | 2   | BOLT, 3/8-16 X 1-1/4" GD5 CZ             |
| 0140   | 5025056    | 4   | NUT, 1/2-13 HEX NYLON LOCK               |
| 0150   | 5025089    | 8   | NUT, 1/2-20 Hex Jam                      |
| 0180   | 5025288    | 2   | WASHER, 1/4" Fender                      |
| 0210   | 5025212X4  | 1   | PIN, CLEVIS, 1/4 X 1/2, PLATED           |
| 0230   | 5025394    | 6   | NUT, 3/8 - 16 HEX NYLOCK FLANGE          |
| 0240   | 5025443    | 6   | BOLT, 3/8-16 X 3/4, PLT W/PATCH          |
| 0250   | 5045178    | 1   | SPACER, .52 X 1.00 X .75, CZ             |
| 0270   | 5100548    | 6   | WASHER, .390 X 1.50 X .109, YZ           |
| 0280   | 5100634    | 4   | PIVOT BLOCK, PLASTIC                     |
| 0290   | 5410317A   | 1   | WELD, Rod, Deck Lift - BLK               |
| 0300   | 5104133    | 1   | LINK, DECK LIFT, CAST IRON               |
| 0310   | 5413901AA  | 2   | WELD, DECK LIFT LEVER, LH - BLK          |
| 0320   | 5413902AA  | 2   | WELD, DECK LIFT LEVER, RH - BLK          |
| 0330   | 5105172    | 1   | ASSM, DECK COMP LINK, LH-CAST            |
| 0340   | 5105173    | 1   | ASSM, DECK COMP LINK, RH-CAST            |
| 0370   | 5403925A   | 2   | PLATE, PIVOT BLOCK SUPPORT - BLK         |
| 0380   | 5420030AA  | 1   | WELD, DECK LIFT SHAFT - BLK              |
| 0390   | 5061569A   | 1   | PEDAL, FOOT - BLK                        |
| 0410   | 5025017X22 | 1   | BOLT, 1/2-13 X 2-3/4 GD5 CZ              |
| 0420   | 5103710    | 2   | ROD, DECK LIFT, EXTERNAL THRD, 20.63     |
| 0430   | 5104475    | 2   | BAR, DECK LIFT, 17.75"                   |
| 0440   | 1702779    | 8   | JOINT-BALL .500-20 THD .500ID, CLR ZINC  |
| 0450   | 5025391    | 2   | NUT, 1/4-20 Hex Nylock Flange            |
| 0470   | 5100520    | 3   | SPACER, .52 X 1.00 X .22, PM, CZ         |
| 0480   | 5025017X20 | 1   | BOLT, 1/2-13 X 2-1/2" GD5 CZ             |
| 0500   | 5025013X22 | 4   | BOLT, 3/8-16 X 2-3/4" GD5 CZ             |
| 0520   | 5103703    | 2   | ROD, SUSPENSION LINK, IS700, CZ          |
| 0530   | 5025158    | 5   | WASHER, 1/2 SAE                          |
| 0590   | 5025156    | 6   | WASHER, 3/8 SAE                          |
| 0640   | 5025396    | 3   | NUT, Hex Flange, Nylock, 1/2-13          |
| 0650   | 5025017X16 | 2   | BOLT, 1/2-13 X 2" GD5 CZ                 |
| 0660   | 5045178    | 1   | SPACER, .52 X 1.00 X .75, CZ             |
| 0710   | 5023392    | 2   | SPRING-EXT, 1.393 ODX13.25LGX.218WR, BLK |
| 0720   | 5021811    | 2   | EYE BOLT, 3/8-16 X 8, 3THRD, 1EYE, CZ    |
| 0730   | 5025034    | 2   | NUT, 3/8-16 HEX, YZ                      |
| 0740   | 5100380    | 2   | * ADJUSTER, DECK HANGER                  |
| 0750   | 5025096    | 2   | NUT, 3/8-16 HEX NYLON LOCK               |
| 0760   | 5025203X6  | 2   | * PIN, COTTER, 1/8" X 3/4                |
| 0770   | 5045023    | 2   | SPACER, .52 X 1.00 X .44, CZ             |
| 0780   | 5025017X24 | 2   | BOLT, 1/2-13 X 3" GD5 CZ                 |
| 0790   | 5045178    | 1   | SPACER, .52 X 1.00 X .75, CZ             |

Electrical Group - Briggs & Stratton Models

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5304160  
5304356  
5303947



## Electrical Group - Briggs & Stratton Models

| REF NO | PART NO    | QTY | DESCRIPTION                                               |
|--------|------------|-----|-----------------------------------------------------------|
| 1      | -----      | 1   | BATTERY, 11U1L, 350 CCA                                   |
| 2      | 1722009    | 1   | STRAP, BATTERY, 14 LONG, Rubber                           |
| 3      | 5021406    | 1   | BATTERY CABLE, NEG, 22, 1/4-5/16                          |
| 4      | 5021405    | 1   | BATTERY CABLE, POS, 22, 1/4-5/16                          |
| 5      | 5050927X16 | 1   | WIRE LOOM, 3/8 ID X 16 IN                                 |
| 6      | 5021029    | 8   | TIE, SELF-LOCKING, 12"                                    |
| 7      | 5102710    | 1   | FUSE, ATO, 25 AMP<br>-(SV)                                |
| 8      | 5415669    | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER                   |
| 9      | 5104705    | 2   | ROSEBUD LOOM CLIP                                         |
| 10     | 5416015    | 1   | WIRE HARNESS, MAIN, LG, ZTR<br>-(S/N: 2017954955 & Below) |
| 10     | 5105535    | 1   | HARNESS, Wiring, Large ZTR<br>-(S/N: 2017954956 & Above)  |
| 11     | 5025010X6  | 3   | BOLT, 1/4"-20 X 3/4" GD5 YZ                               |
| 12     | 5025154    | 3   | WASHER, 1/4 SAE                                           |
| 13     | 5025126    | 4   | NUT, 1/4-20 HEX SERR. FLANGE                              |
| 14     | 5101935    | 2   | FUSE, ATO-15 (15 AMP)(SV)<br>-(SV)                        |
| 15     | 5021500    | 3   | CLAMP, VINYL INSULATED, 1.00                              |
| 16     | 5102677    | 1   | GROMMET, 1-1/2" ID FOR 1/4" METAL                         |
| 17     | 5025299X8  | 2   | SCREW, 1/4-20 X 1, ALLEN BH, CZ                           |
| 18     | 5025391    | 3   | NUT, 1/4-20 Hex Nylock Flange                             |
| 19     | -----      | 1   | Refer to: Seat Mount & Floor Group                        |
| 20     | -----      | 1   | Refer to: Parking Brake Group                             |
| 21     | -----      | 1   | Refer to: Instrument Control Panel Group                  |
| 22     | -----      | 1   | Refer to: Engine & PTO Group                              |
| 23     | 5025179X4  | 1   | SCREW, #10-24 X 1/2" ROUND PHILLIPS                       |
| 24     | 5025271    | 1   | NUT, Hex, Nylon Lock, #10-24                              |

Electrical Schematic - Charging Circuit - B&S 61E877 S/N: 2017954955 & Below

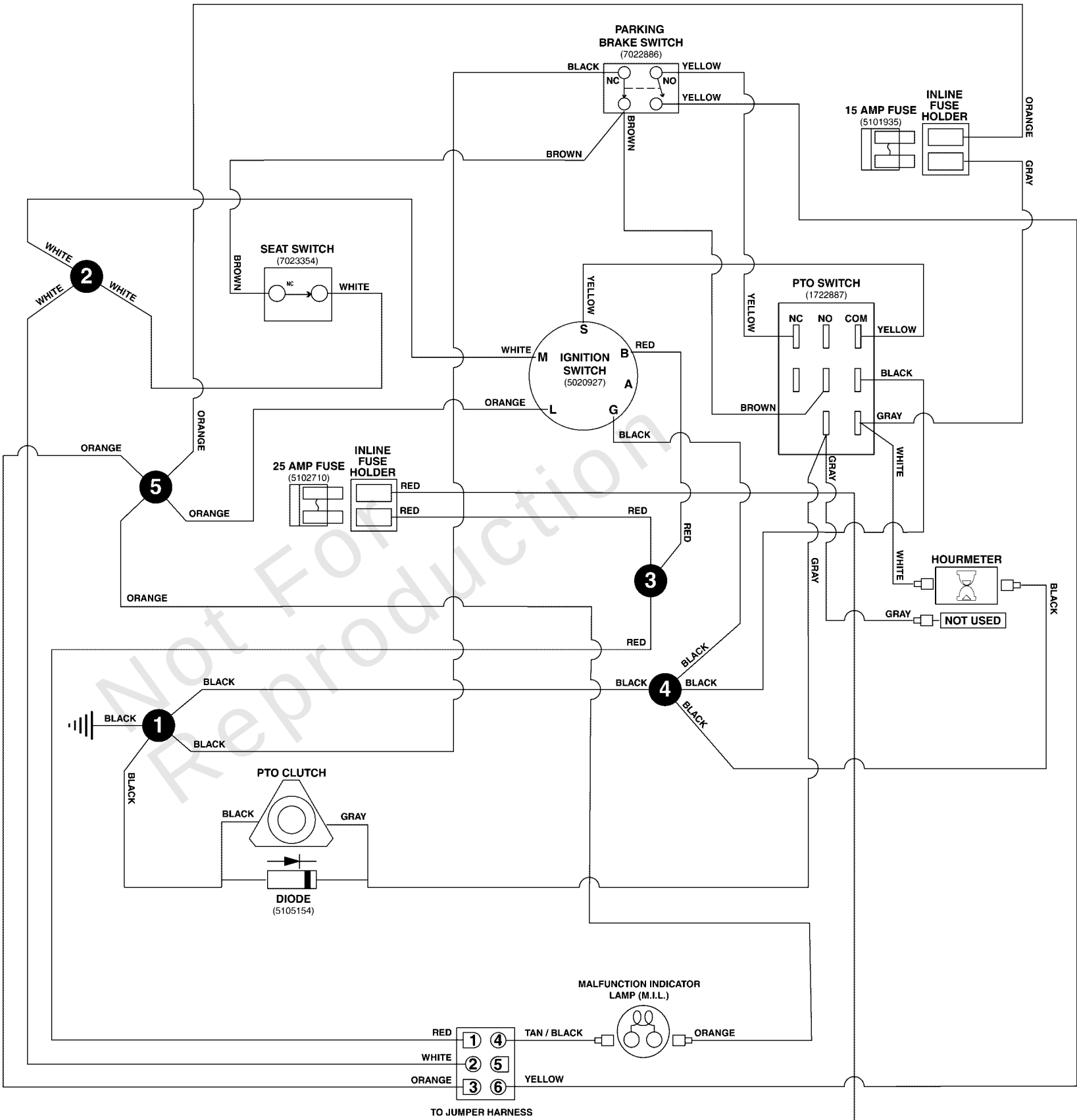
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

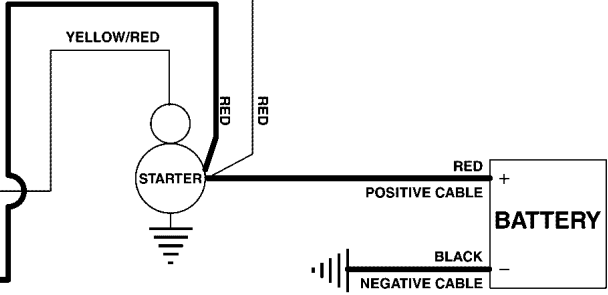
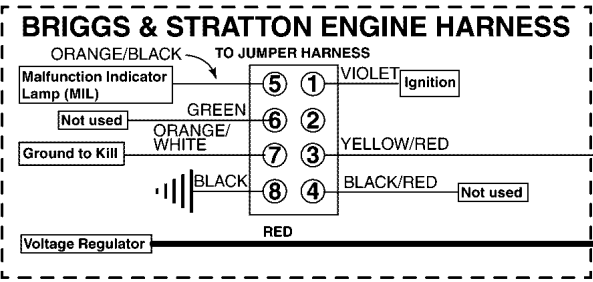
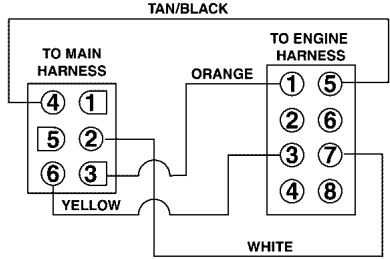
5416015 (5415564) MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

5416015D

(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.)



5415669 / JUMPER HARNESS



***Electrical Schematic - Charging Circuit - B&S 61E877 S/N: 2017954955 & Below***

| REF NO | PART NO | QTY | DESCRIPTION                             |
|--------|---------|-----|-----------------------------------------|
| 0010   | 5416015 | 1   | WIRE HARNESS, MAIN, LG, ZTR             |
| 0020   | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

Not For Reproduction

Electrical Schematic - Charging Circuit - B&S 61E877 S/N: 2017954956 & Above

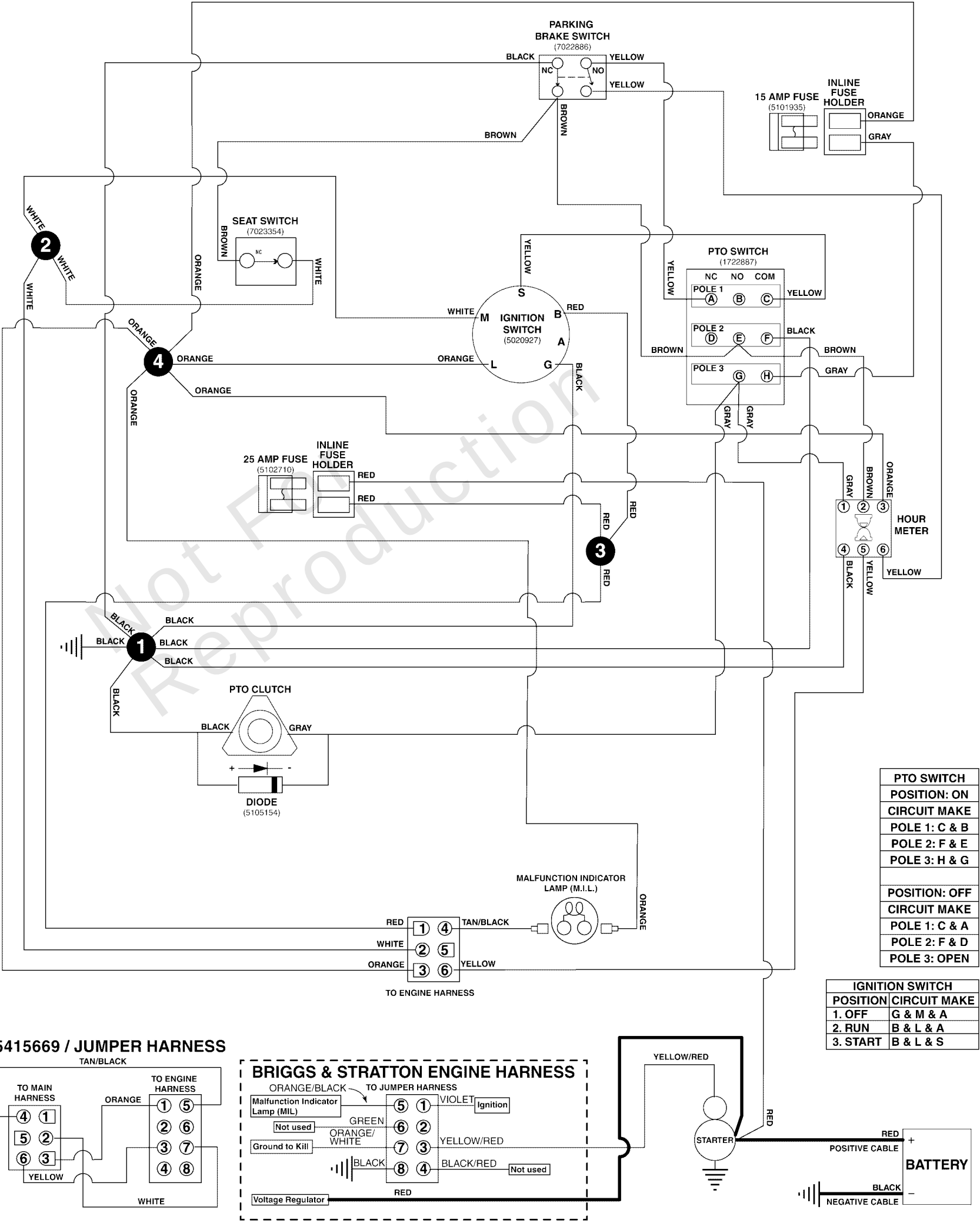
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

5105535B

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



**Electrical Schematic - Charging Circuit - B&S 61E877 S/N: 2017954956 & Above**

| REF NO  | PART NO | QTY | DESCRIPTION                             |
|---------|---------|-----|-----------------------------------------|
| 5105535 | 5105535 | 1   | HARNESS, Wiring, Large ZTR              |
| 5415669 | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

Not For Reproduction

Electrical Schematic - Cranking Circuit - B&S 61E877 S/N: 2017954955 & Below

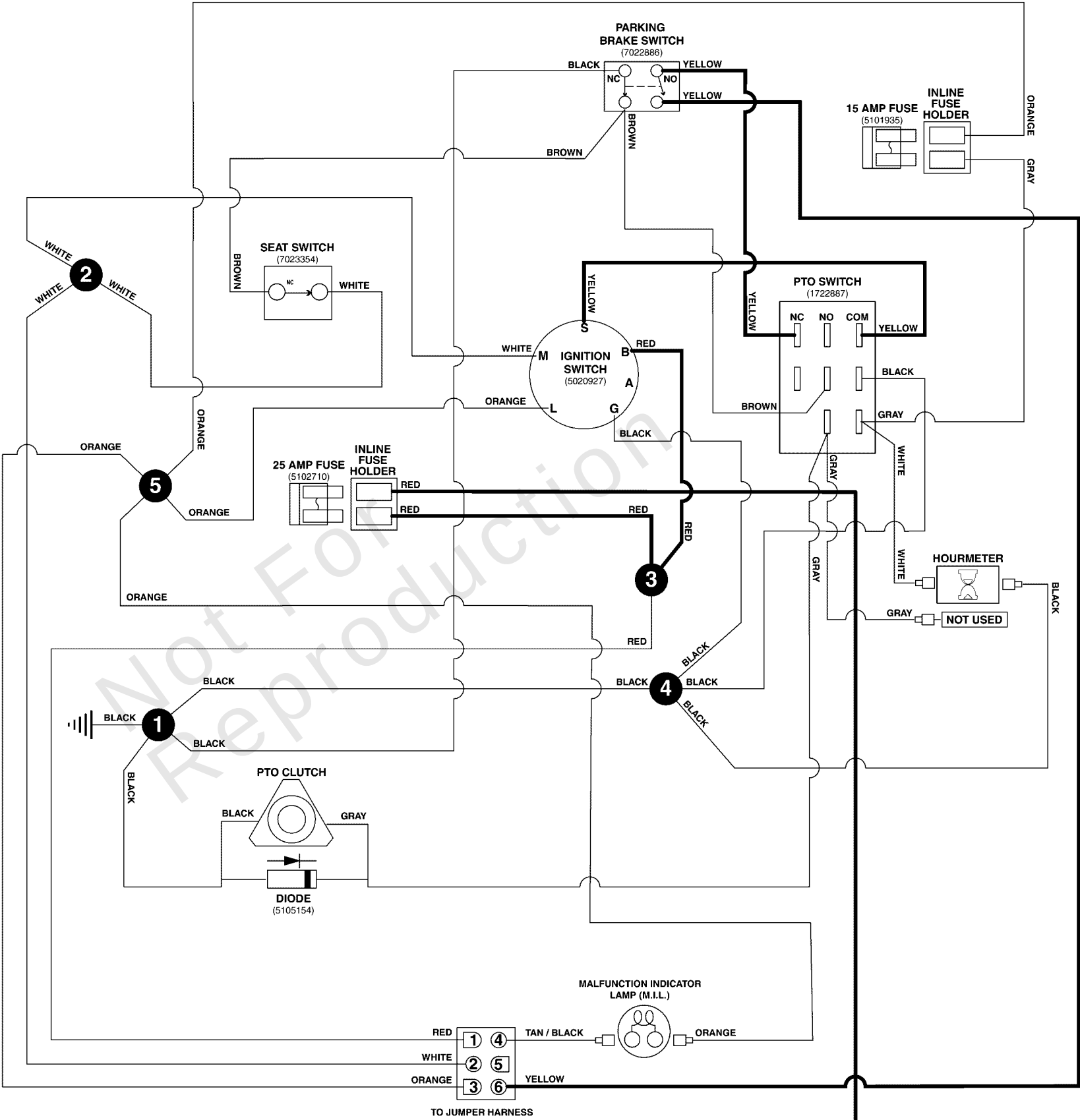
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

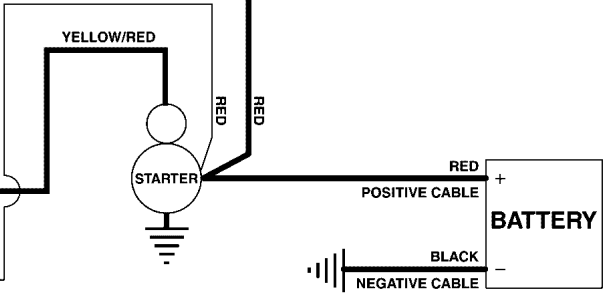
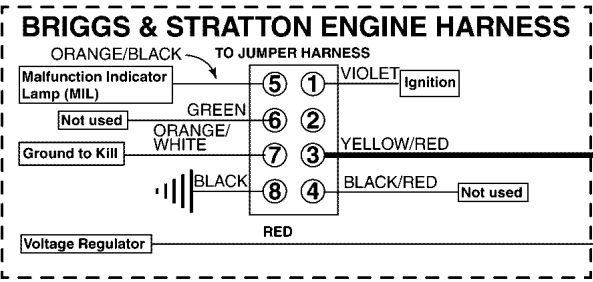
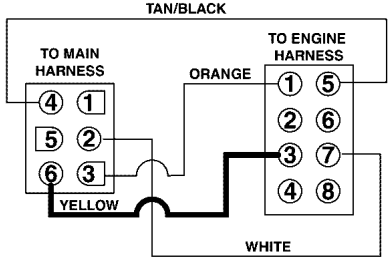
5416015 (5415564) MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

5416015D

(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.)



5415669 / JUMPER HARNESS



***Electrical Schematic - Cranking Circuit - B&S 61E877 S/N: 2017954955 & Below***

| REF NO | PART NO | QTY | DESCRIPTION                             |
|--------|---------|-----|-----------------------------------------|
| 0010   | 5416015 | 1   | WIRE HARNESS, MAIN, LG, ZTR             |
| 0020   | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

Not For Reproduction

### ***Electrical Schematic - Cranking Circuit - B&S 61E877 S/N: 2017954956 & Above***

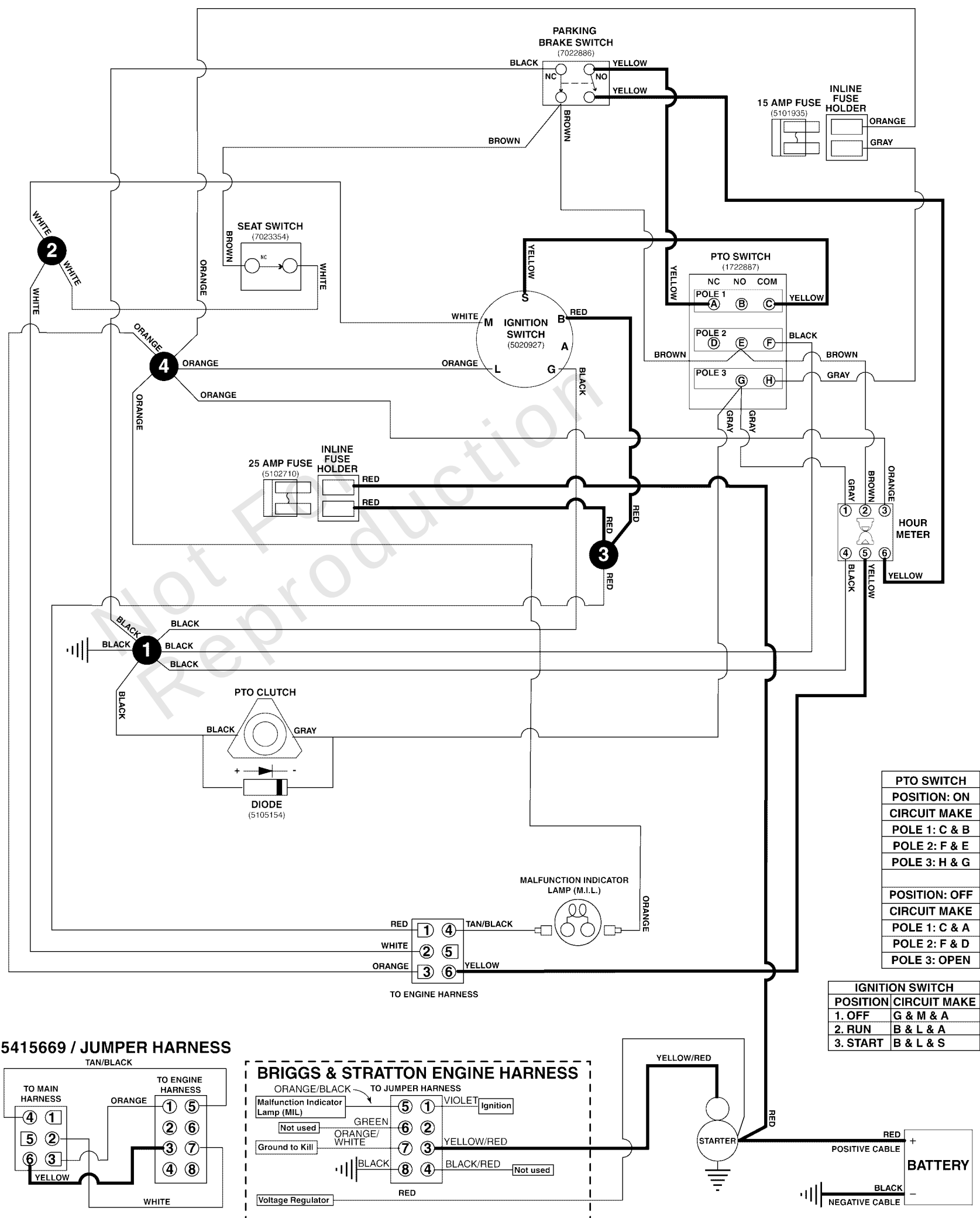
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

## 5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

(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.)

**5105535B**



### ***Electrical Schematic - Cranking Circuit - B&S 61E877 S/N: 2017954956 & Above***

| REF NO  | PART NO | QTY | DESCRIPTION                             |
|---------|---------|-----|-----------------------------------------|
| 5105535 | 5105535 | 1   | HARNESS, Wiring, Large ZTR              |
| 5415669 | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

Not For Reproduction

Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 61E877 S/N: 2017954955 &

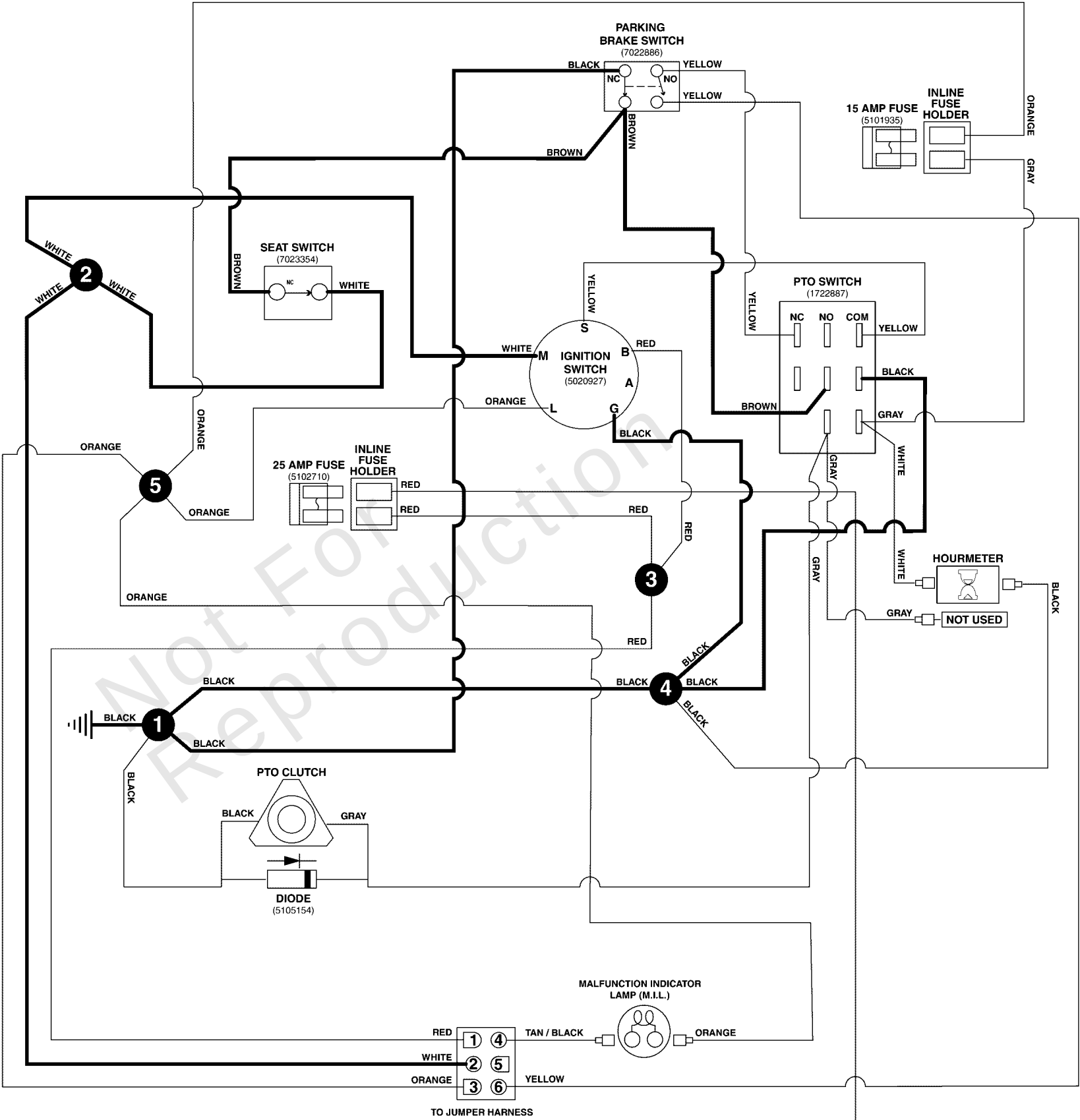
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

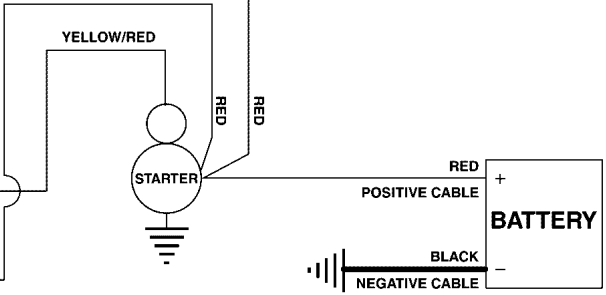
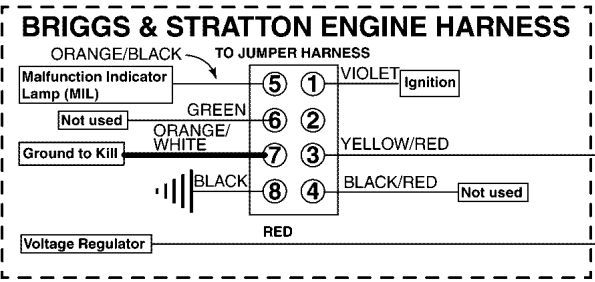
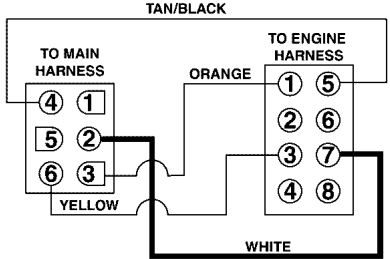
5416015 (5415564) MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

5416015D

(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.)



5415669 / JUMPER HARNESS



***Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 61E877 S/N: 2017954955 &***

| REF NO | PART NO | QTY | DESCRIPTION                             |
|--------|---------|-----|-----------------------------------------|
| 0010   | 5416015 | 1   | WIRE HARNESS, MAIN, LG, ZTR             |
| 0020   | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

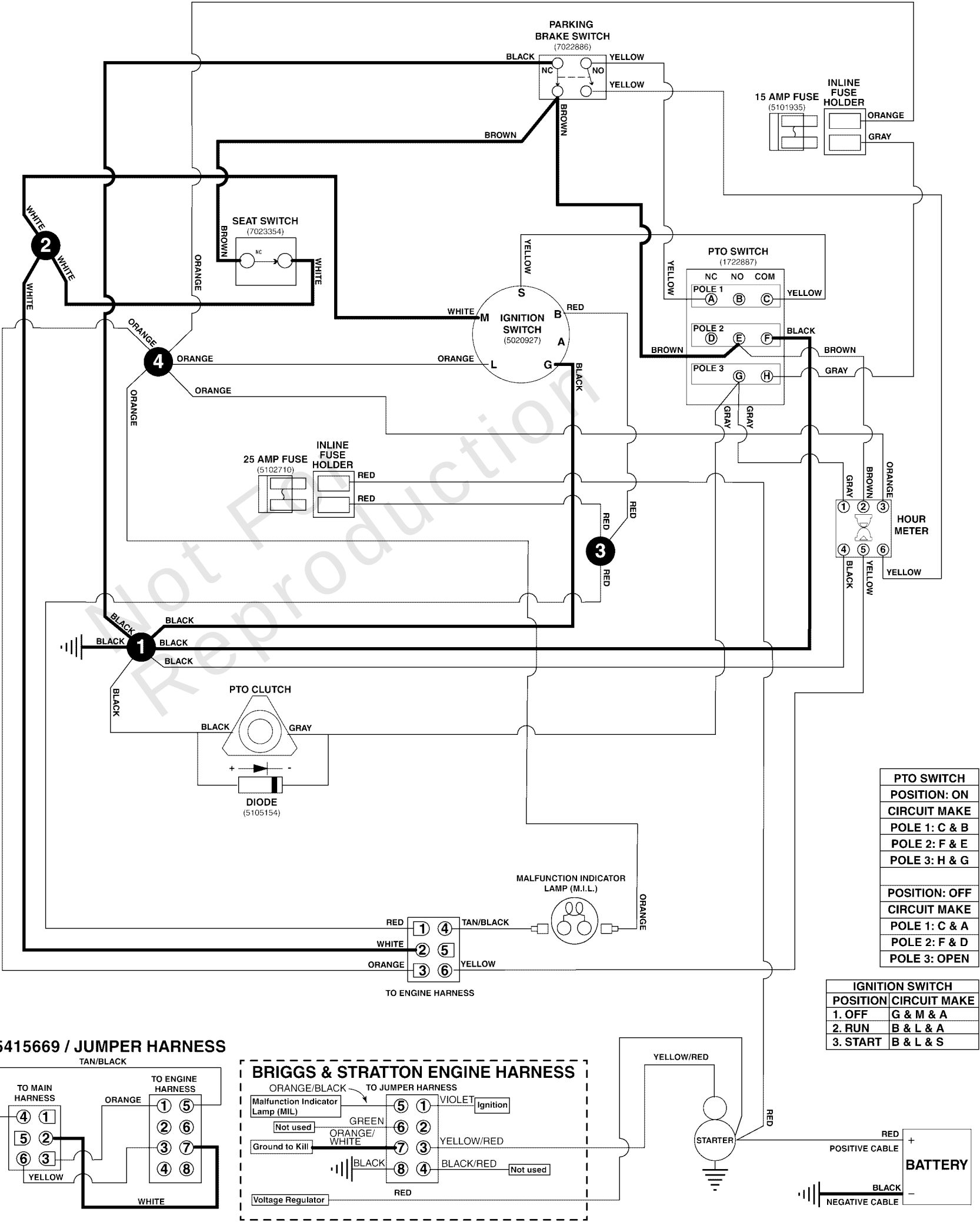
Not For Reproduction

Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 61E877 S/N: 2017954956 &

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5901569

5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES 5105535B

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



***Electrical Schematic - Ign. Ground Circuit/Op Pres. - B&S 61E877 S/N: 2017954956 &***

| REF NO  | PART NO | QTY | DESCRIPTION                             |
|---------|---------|-----|-----------------------------------------|
| 5105535 | 5105535 | 1   | HARNESS, Wiring, Large ZTR              |
| 5415669 | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

Not For Reproduction

Electrical Schematic - PTO Clutch Circuit - B&S 61E877 S/N: 2017954955 & Below

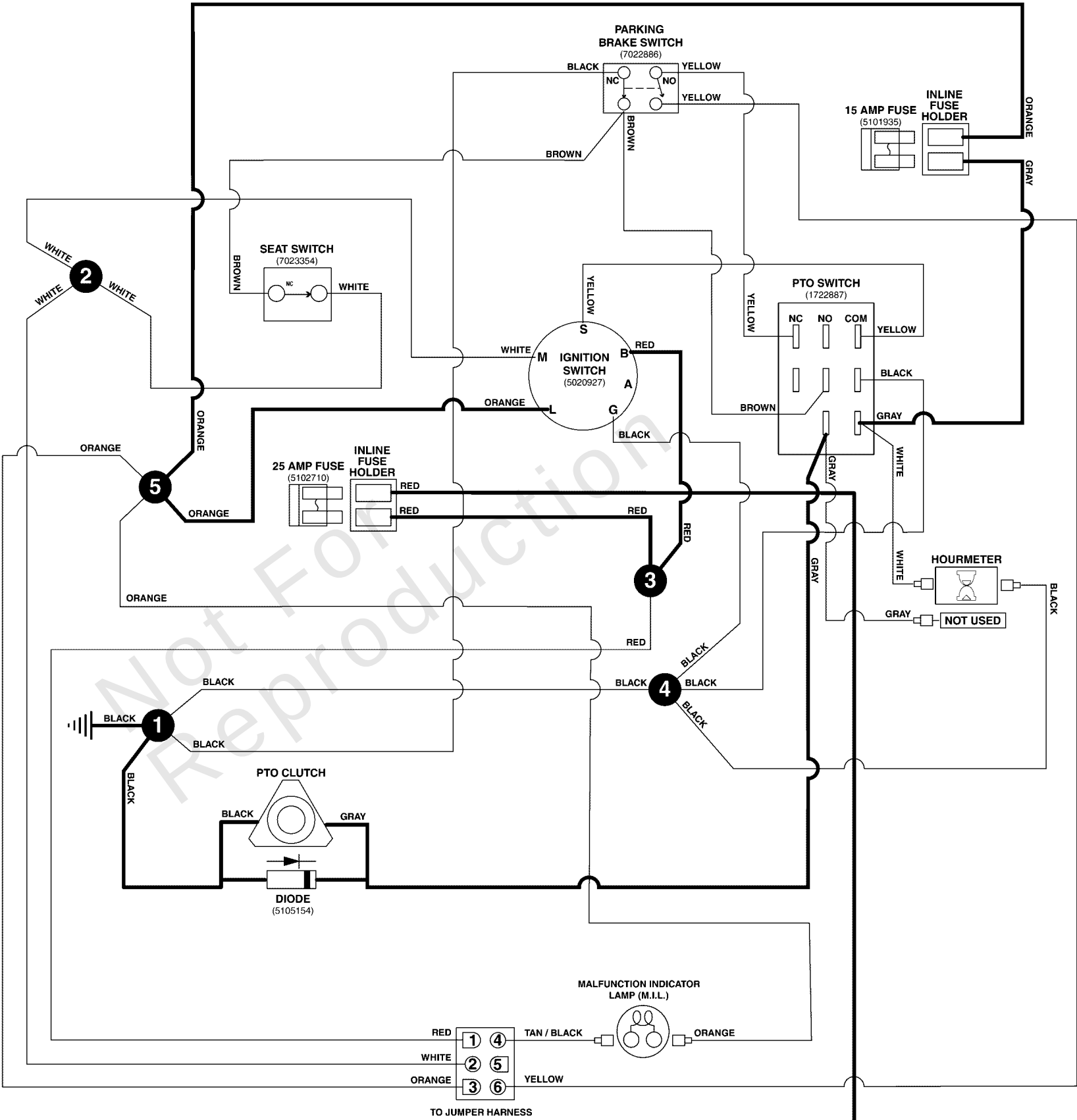
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

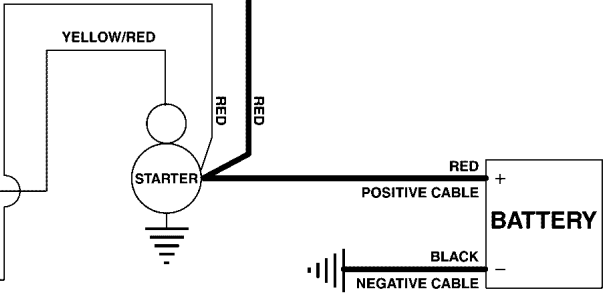
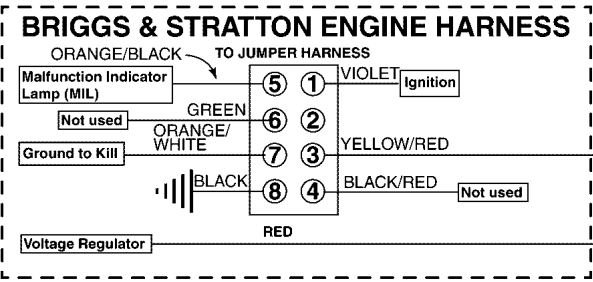
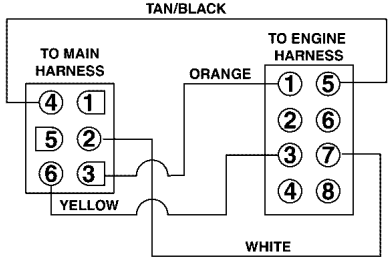
5416015 (5415564) MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

5416015D

(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.)



5415669 / JUMPER HARNESS



**Electrical Schematic - PTO Clutch Circuit - B&S 61E877 S/N: 2017954955 & Below**

| REF NO | PART NO | QTY | DESCRIPTION                             |
|--------|---------|-----|-----------------------------------------|
| 0010   | 5416015 | 1   | WIRE HARNESS, MAIN, LG, ZTR             |
| 0020   | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

Not For Reproduction

### ***Electrical Schematic - PTO Clutch Circuit - B&S 61E877 S/N: 2017954956 & Above***

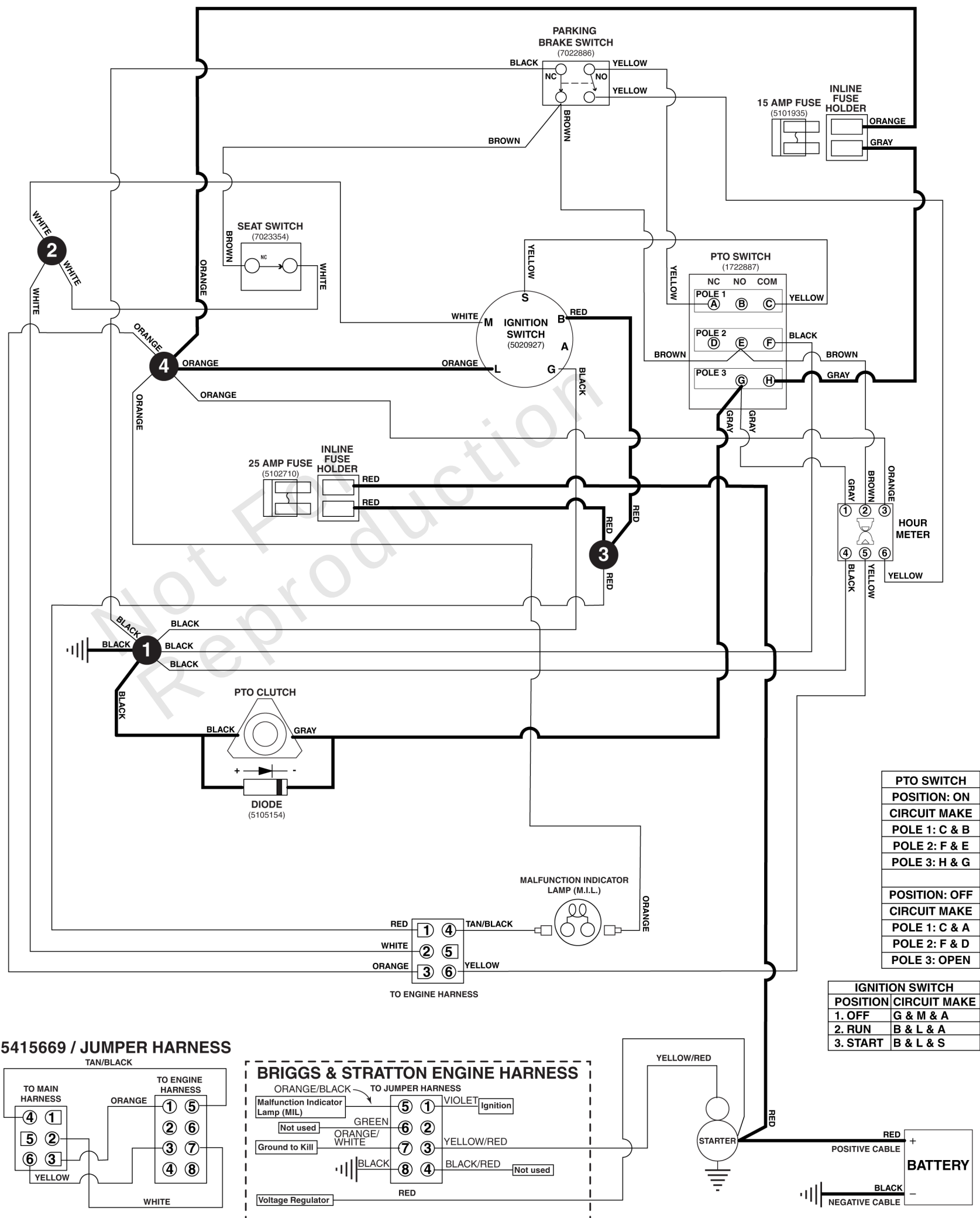
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

## 5105535 MAIN WIRE HARNESS - BRIGGS & STRATTON 61E877 EFI ENGINES

(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.)

**5105535B**



**Electrical Schematic - PTO Clutch Circuit - B&S 61E877 S/N: 2017954956 & Above**

| REF NO  | PART NO | QTY | DESCRIPTION                             |
|---------|---------|-----|-----------------------------------------|
| 5105535 | 5105535 | 1   | HARNESS, Wiring, Large ZTR              |
| 5415669 | 5415669 | 1   | WIRE HARNESS, VANGUARD BIG BLOCK,JUMPER |

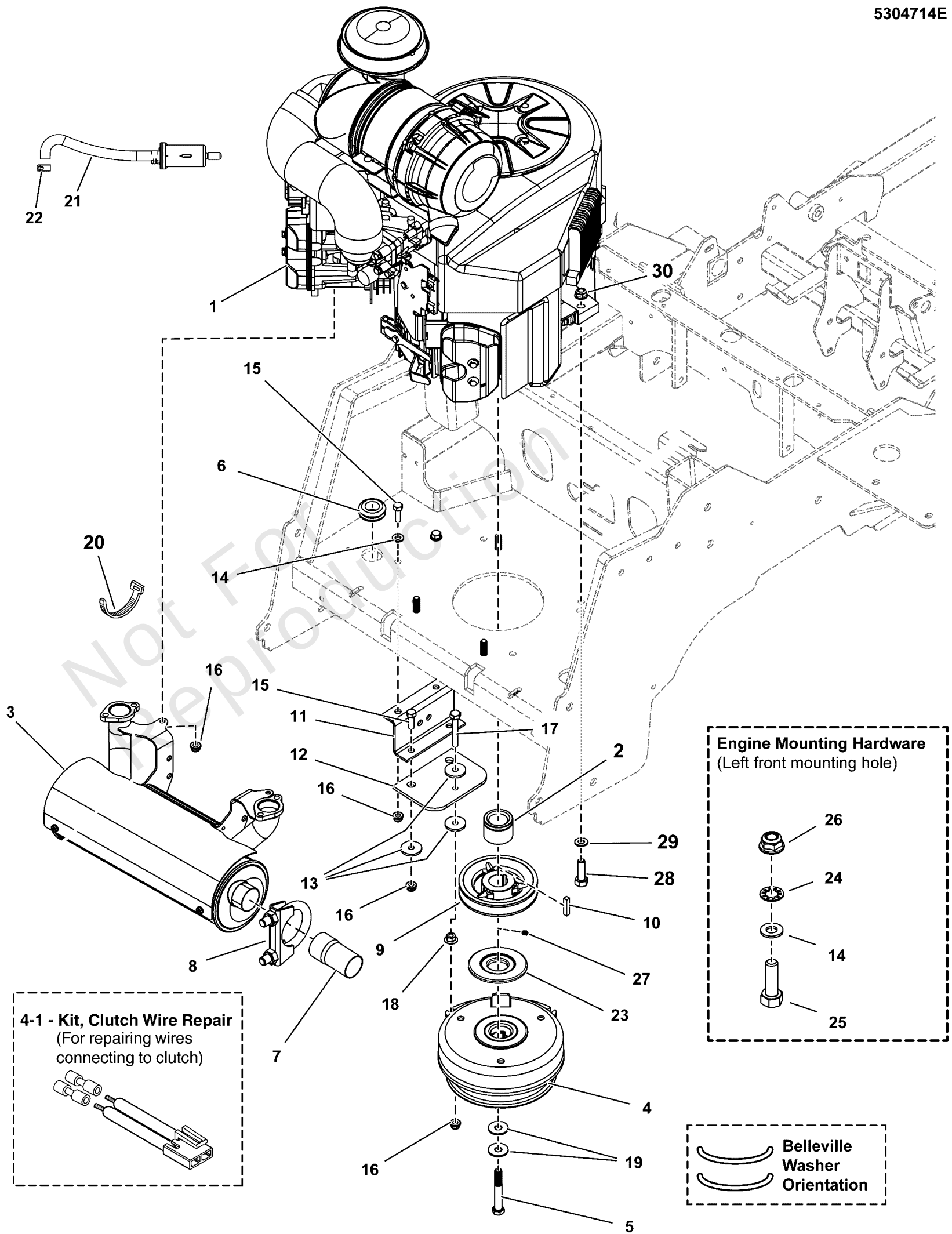
Not For Reproduction

Engine & PTO Group - Briggs & Stratton EFI (Remote Oil Tank)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5304714E



## Engine & PTO Group - Briggs & Stratton EFI (Remote Oil Tank)

| REF NO | PART NO    | QTY | DESCRIPTION                                                                                       |
|--------|------------|-----|---------------------------------------------------------------------------------------------------|
| 1      | -----      | 1   | ENGINE, 37HP EFI, B&S, OIL GUARD<br>-(Refer to Note: *)                                           |
| 2      | 5100926    | 1   | SPACER, 1.13 X 1.75 X 1.35, CZ                                                                    |
| 3      | 846511     | 1   | MUFFLER (Purchase from Engine Manufacturer)<br>-(See Engine Manufacturer for Replacement Muffler) |
| 4      | -----      | 1   | CLUTCH, If replacing, use 5108850 and 5108851<br>-(S/N: 4001550166 and below)                     |
| 4      | 5108850    | 1   | CLUTCH, 250 FT-LBS, WATER GUARD<br>-(S/N: 4001550167 and above)                                   |
| 4-1    | 5600575    | 1   | KIT, CLUTCH WIRE REPAIR                                                                           |
| 5      | 5103300    | 1   | BOLT, CRANKSHAFT, 7/16-20 X 3-1/4, GD 8<br>-(Torque crankshaft bolt to 65 ft. lbs. (88 Nm))       |
| 6      | 5103944    | 1   | GROMMET, 7/8"ID, 1/4" THICK STK                                                                   |
| 7      | 5104512    | 1   | TAIL PIPE EXTENTION, 1.78"ID X 5" LG                                                              |
| 8      | 5104512X1  | 1   | CLAMP, TAILPIPE, 1-7/8"                                                                           |
| 9      | 5021682    | 1   | PULLEY, 4.75 OD X 1-1/8 BORE, BC-48                                                               |
| 10     | 5050407X10 | 1   | KEY, 1/4 SQ X 1-1/4                                                                               |
| 11     | 5410367A   | 1   | ANCHOR, CLUTCH, IS600-IS700 - BLK                                                                 |
| 12     | 5043636    | 1   | CLUTCH ANCHOR PAD                                                                                 |
| 13     | 5044617    | 4   | WASHER, .34 X 1.25 X 10 GA                                                                        |
| 14     | 5025155    | 3   | WASHER, 5/16" SAE                                                                                 |
| 15     | 5025011X8  | 4   | BOLT, 5/16-18 X 1 GD5 CZ                                                                          |
| 16     | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE                                                                    |
| 17     | 5025055X18 | 1   | BOLT, 5/16-18 X 2-1/4 TFL, GD5 YZ                                                                 |
| 18     | 5025139    | 1   | NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)                                                          |
| 19     | 5025585    | 2   | BELLEVILLE WASHER 1.1875 X .442 X .089                                                            |
| 20     | 5021030    | 1   | TIE, SELF-LOCKING, 6"                                                                             |
| 21     | 846732     | 1   | HOSE/FILTER ASSY<br>-(SV)                                                                         |
| 22     | 5102046    | 1   | CLAMP, HOSE, EXTERNAL, 9/16                                                                       |
| 23     | 5108851    | 1   | WATER GUARD, WARNER C 250 FT-LBS CLUTCH<br>-(S/N: 4001550167 and above)                           |
| 24     | 5025188    | 1   | WASHER, 5/16 INT. TOOTH LOCK                                                                      |
| 25     | 5025025X14 | 1   | BOLT, 5/16-24 X 1-3/4, GD8, PHOS                                                                  |
| 26     | 5025616    | 1   | NUT, 5/16-24, TOP LOCK FLANGE, GD8 PHOS                                                           |
| 27     | 5025531    | 2   | SET SCREW, 5/16-18 X 3/8, KNURL (SV)                                                              |
| 28     | 5025013X14 | 3   | BOLT, 3/8-16 X 1-3/4" GD5 CZ<br>-(Torque engine mounting bolts to 17 ft-lbs (23 Nm))              |
| 29     | 5025156    | 3   | WASHER, 3/8 SAE                                                                                   |
| 30     | 5025394    | 3   | NUT, 3/8-16 HEX NYLOCK FLANGE                                                                     |

### Footnotes:

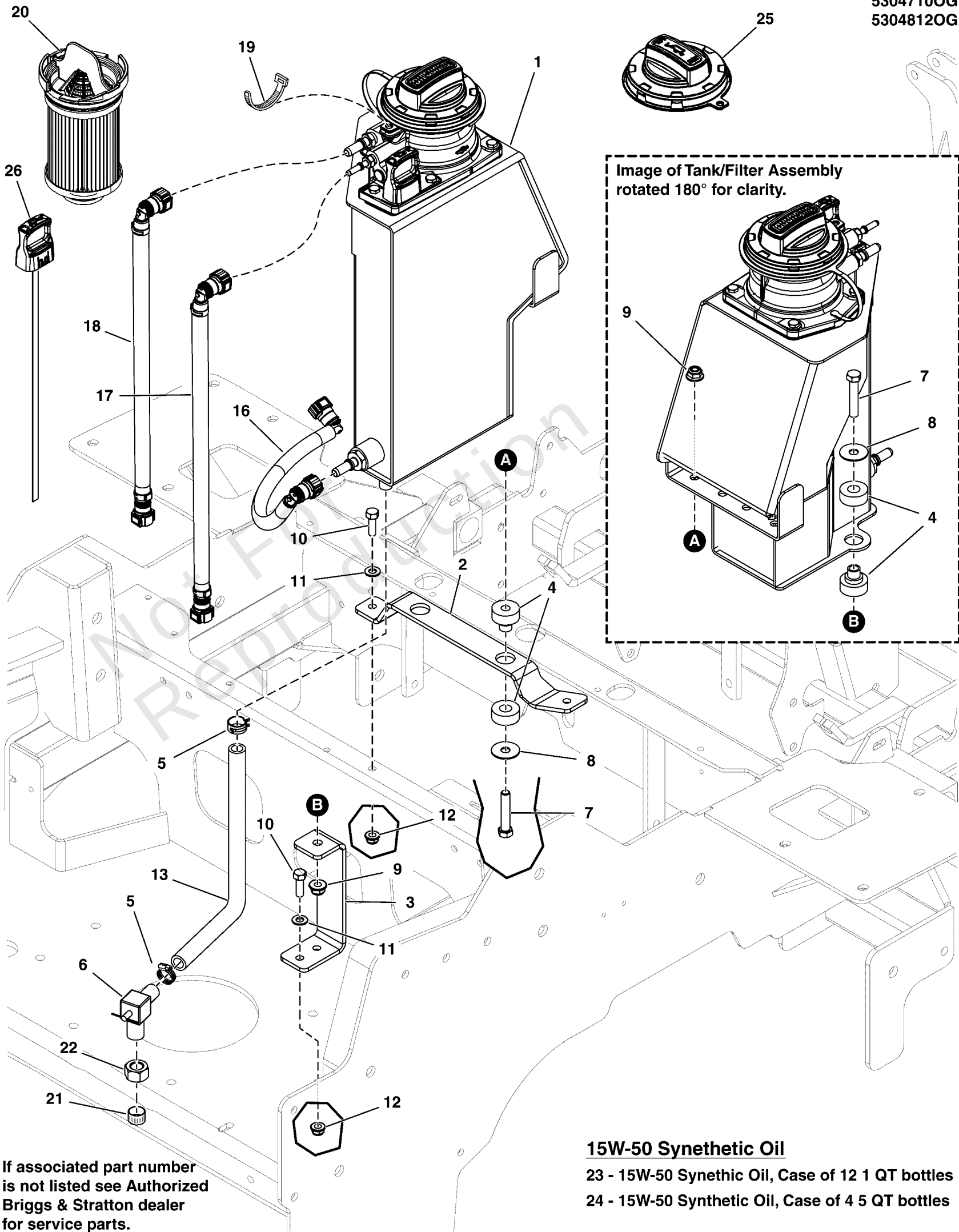
Note:\* Refer to your local Briggs & Stratton distributor for parts and service.

# Engine Remote Oil Tank, Hoses, & Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5304710OG  
5304812OG



## Engine Remote Oil Tank, Hoses, & Mount Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                         |
|--------|------------|-----|---------------------------------------------------------------------|
| 1      | 595945     | 1   | TANK, Oil<br>-(Refer to Note: *) (S/N: 4001858852 and below)        |
| 1      | 84008062   | 1   | TANK/FILTER ASSY<br>-(Refer to Note: *) (S/N: 4001858853 and above) |
| 2      | 5415308A   | 1   | TANK MOUNT, FRONT, 3200 - BLK                                       |
| 3      | 5415309A   | 1   | TANK MOUNT, LOWER, 3200 - BLK                                       |
| 4      | 5023131    | 3   | MOUNT, ISO, BOTTOM, RAD 5000Z-DIESEL                                |
| 5      | 5021392    | 2   | CLAMP, #6 HOSE, STAINLESS                                           |
| 6      | 5105177    | 1   | VALVE, OIL DRAIN, M16X1.5 TO 1/2"                                   |
| 7      | 5025013X14 | 3   | BOLT, 3/8-16 X 1-3/4" GD5 CZ                                        |
| 8      | 5025165    | 3   | WASHER, 3/8" Fender                                                 |
| 9      | 5025394    | 3   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                     |
| 10     | 5025011X8  | 4   | BOLT, 5/16-18 X 1" GRD5 YZ                                          |
| 11     | 5025155    | 4   | WASHER, 5/16" SAE                                                   |
| 12     | 5025392    | 4   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                                  |
| 13     | 5105493    | 1   | HOSE, Formed, Oil Guard                                             |
| 16     | 84006650   | 1   | HOSE, OIL SUPPLY<br>-(Refer to Note: *) (S/N: 4001858852 and below) |
| 16     | 84006649   | 1   | HOSE, Oil Supply<br>-(Refer to Note: *) (S/N: 4001858853 and above) |
| 17     | 847351     | 1   | HOSE, Oil Vent<br>-(Refer to Note: *)                               |
| 18     | 84006659   | 1   | HOSE, Oil Scavenge<br>-(Refer to Note: *)                           |
| 19     | 5021030SM  | 1   | TIE WRAP, 5-1/2" LONG                                               |
| 20     | 84007094   | 1   | FILTER, Oil                                                         |
| 21     | 5105317    | 1   | OIL DRAIN CAP, OIL GUARD, DAPCO 4692                                |
| 22     | 5105318    | 1   | NUT, HEX, M16-1.5, DAPCO 4071                                       |
| 23     | 100169     | 1   | OIL-1QT VANGUARD (CASE)<br>-(Case of twelve 1 QT bottles)           |
| 24     | 100170     | 1   | OIL-5QT VANGUARD (CASE)<br>-(Case of four 5 QT bottles)             |
| 25     | 595931     | 1   | CAP, Oil Fill<br>-(Yellow cap)                                      |
| 25     | 84008058   | 1   | CAP, Oil Fill<br>-(Black cap)                                       |
| 26     | 595934     | 1   | DIPSTICK                                                            |

### Footnotes:

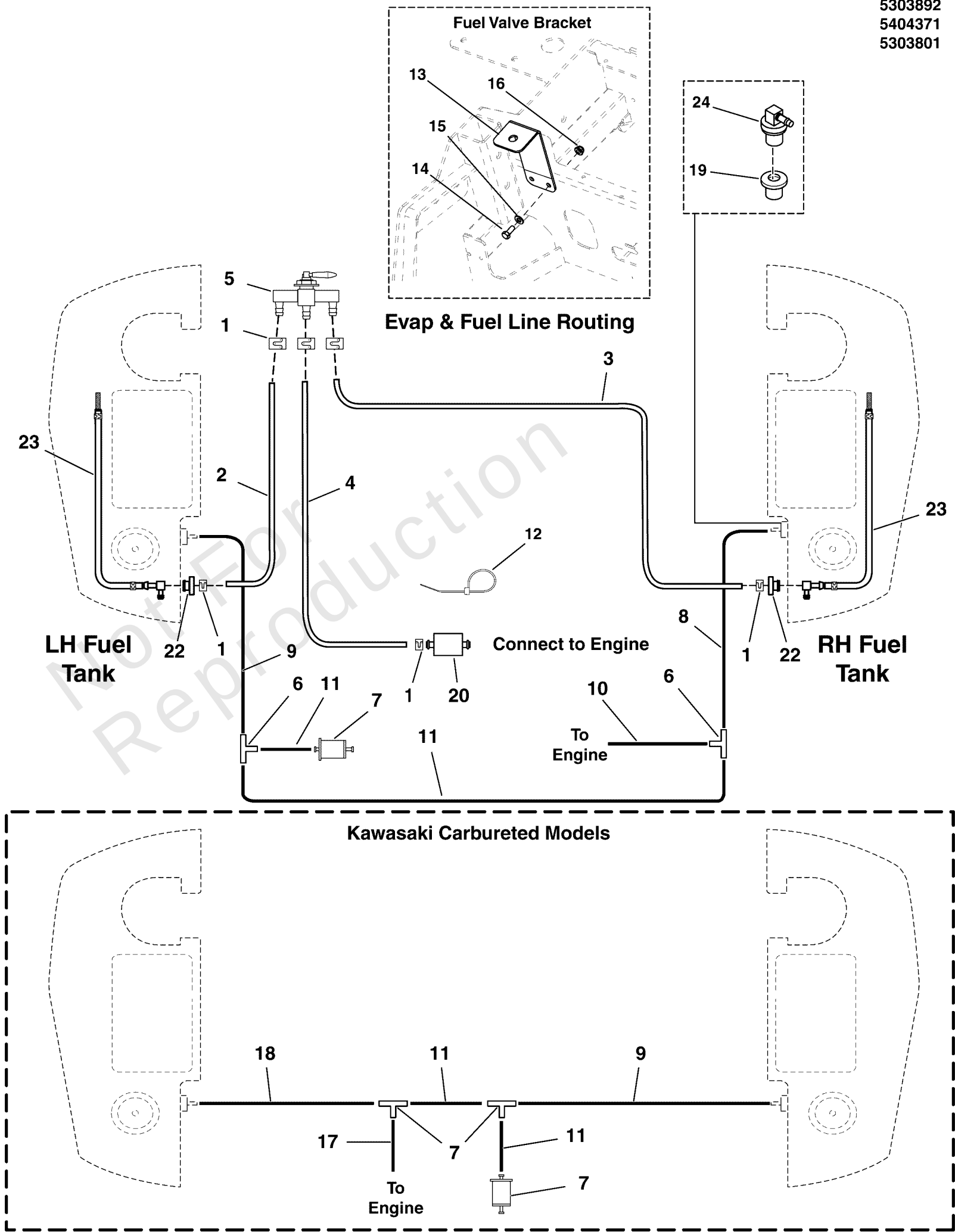
Note: \*Order Oil Guard replacement parts from your Authorized Briggs & Stratton Engine Service Provider

**Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739972 &**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303892  
5404371  
5303801



**Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739972 &**

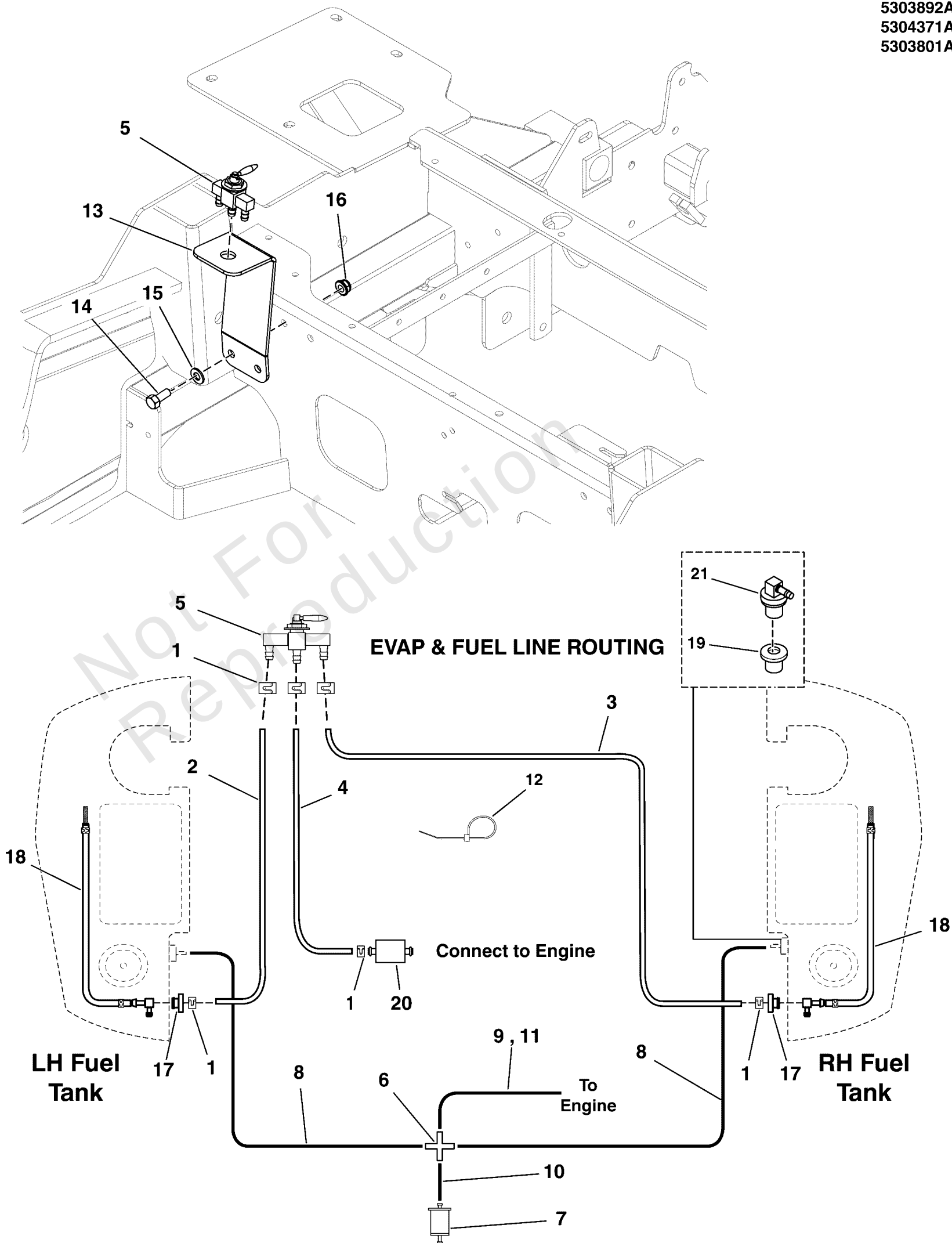
| REF NO | PART NO      | QTY | DESCRIPTION                                                  |
|--------|--------------|-----|--------------------------------------------------------------|
| 1      | 93807        | 6   | CLAMP, Hose                                                  |
| 2      | 5050831X14P5 | 1   | HOSE, 1/4" FUEL, 14.50"                                      |
| 3      | 5050831X28P5 | 1   | HOSE, 1/4" FUEL, 28.50"                                      |
| 4      | 5050831X12P5 | 1   | HOSE, 1/4" FUEL, 12.50"                                      |
| 5      | 5023358      | 1   | VALVE, FUEL STRAIGHT, OUTLET                                 |
| 6      | 5103062      | 2   | FITTING, 3/16" TEE, BARB TYPE, HDPE                          |
| 7      | 80025019     | 1   | FILTER, FUEL                                                 |
| 8      | 7700552X18   | 1   | HOSE, VAPOR, 5MM ID, 18.00 LG<br>-(Briggs & Stratton Models) |
| 9      | 7700552X28P5 | 1   | HOSE, VAPOR, 5MM ID, 28.50 LG                                |
| 10     | 7700552X12   | 1   | HOSE, VAPOR, 5MM ID, 12.00 LG<br>-(Briggs & Stratton Models) |
| 11     | 7700552X3    | 2   | HOSE, VAPOR, 5MM ID, 3.00 LG                                 |
| 12     | 5021029      | 2   | TIE, SELF-LOCKING, 12"                                       |
| 13     | 5412704A     | 1   | BRACKET, FUEL VALVE, IS2100 - BLK                            |
| 14     | 5025011X6    | 2   | BOLT, 5/16-18 X 3/4 GD5                                      |
| 15     | 5025155      | 2   | WASHER, 5/16" SAE                                            |
| 16     | 5025392      | 2   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                           |
| 17     | 7700552X33   | 1   | HOSE, VAPOR, 5MM ID, 33.00 LG<br>-(Kawasaki Models)          |
| 18     | 7700552X14   | 1   | HOSE, VAPOR, 5MM ID, 14.00 LG<br>-(Kawasaki Models)          |
| 19     | 209043       | 2   | GROMMET (SV)                                                 |
| 20     | 5021178X3    | 2   | FUEL FILTER (SV)                                             |
| 22     | 1726400      | 2   | BUSHING-FUEL TANK RED RUBBER                                 |
| 23     | 5101144      | 2   | PICKUP TUBE ASSEMBLY, FUEL LINE (SV)                         |
| 24     | 770046       | 2   | REMOTE VENT ASSEMBLY                                         |

**Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739973 &**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303892A  
5304371A  
5303801A



**Fuel Supply Hose, Tank Replacement Parts, and EVAP Group - S/N: 2017739973 &**

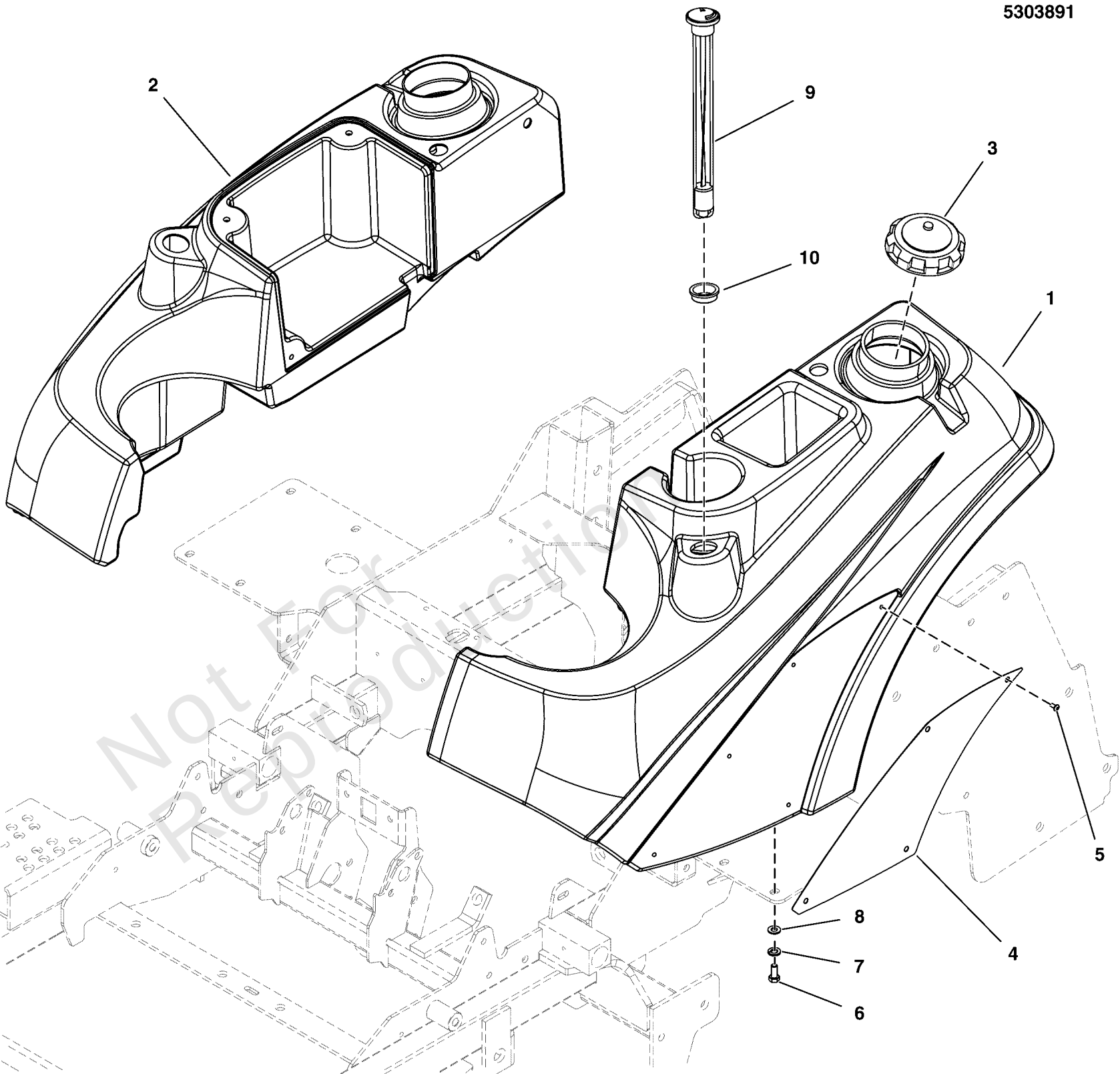
| REF NO | PART NO      | QTY | DESCRIPTION                                                  |
|--------|--------------|-----|--------------------------------------------------------------|
| 1      | 93807        | 6   | CLAMP, HOSE, EXTERNAL, 1/2 - RED                             |
| 2      | 5050831X14P5 | 1   | HOSE, 1/4" FUEL, 14.50"                                      |
| 3      | 5050831X28P5 | 1   | HOSE, 1/4" FUEL, 28.50"                                      |
| 4      | 5050831X12P5 | 1   | HOSE, 1/4" FUEL, 12.50"                                      |
| 5      | 5023358      | 1   | VALVE, FUEL SHUT-OFF, 11772                                  |
| 6      | 5105394      | 1   | FITTING, BARBED CROSS, 3/16" BLK NYLON                       |
| 7      | 80025019     | 1   | FILTER, FUEL                                                 |
| 8      | 7700552X25P5 | 2   | HOSE, VAPOR, 5MM ID, 25.50 LG                                |
| 9      | 7700552X19   | 1   | HOSE, VAPOR, 5MM ID, 19.00 LG<br>-(Briggs & Stratton Models) |
| 10     | 7700552X3    | 1   | HOSE, VAPOR, 5MM ID, 3.00 LG                                 |
| 11     | 7700552X41   | 1   | HOSE, VAPOR, 5MM ID, 41.00 LG<br>-(Kawasaki Models)          |
| 12     | 5021029      | 7   | TIE, SELF-LOCKING, 12"                                       |
| 13     | 5412704A     | 1   | BRACKET, FUEL VALVE, IS2100 - BLK                            |
| 14     | 5025011X6    | 2   | BOLT, 5/16-18 X 3/4 GD5                                      |
| 15     | 5025155      | 2   | WASHER, 5/16" SAE                                            |
| 16     | 5025392      | 2   | NUT, 5/16-18 HEX NYLOCK FLANGE                               |
| 17     | 1726400      | 2   | BUSHING-FUEL TANK RED RUBBER                                 |
| 18     | 5101144      | 2   | HOSE ASSEMBLY (SV)                                           |
| 19     | 209043       | 2   | GROMMET (SV)                                                 |
| 20     | 5021178X3    | 2   | FUEL FILTER (SV)                                             |
| 21     | 770046       | 2   | REMOTE VENT ASSEMBLY                                         |

**Fuel Tank & Mount Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303891



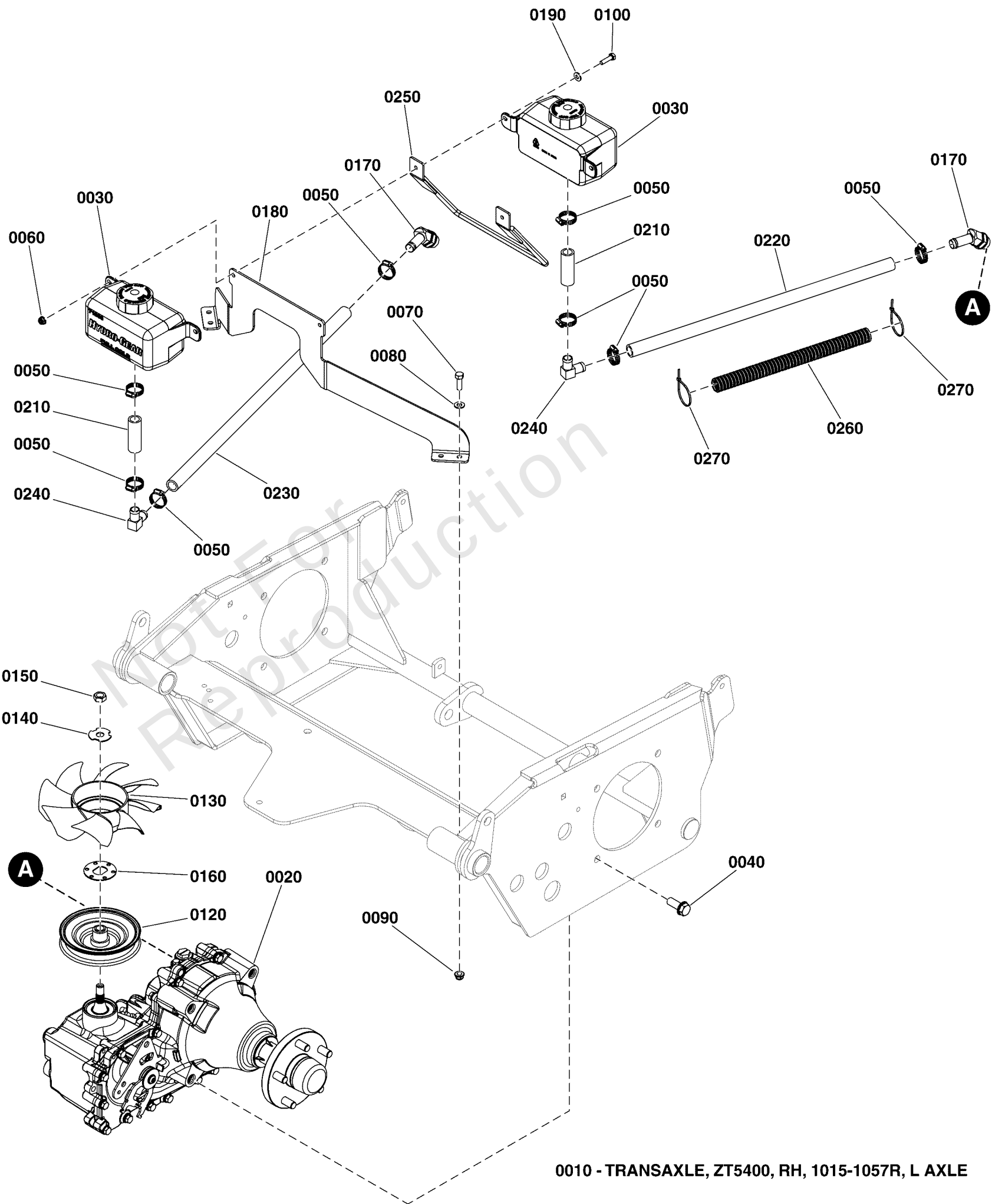
### ***Fuel Tank & Mount Group***

| REF NO | PART NO   | QTY | DESCRIPTION                              |
|--------|-----------|-----|------------------------------------------|
| 1      | 5103178   | 1   | TANK, FUEL, LH                           |
| 2      | 5103177   | 1   | TANK, FUEL, 5.25 GAL,MED, Z-RH, LOW PERM |
| 3      | 5103005   | 2   | FUEL CAP, 3-1/2", MANAGED VENT OUT, 12"  |
| 4      | 5401095B  | 2   | BADGE, IS2000 - IS3000 - RED             |
| 5      | 5025386   | 8   | SCREW, #10-24 X 3/8 ALLEN BHBZ           |
| 6      | 5025011X6 | 8   | BOLT, 5/16-18 X 3/4 GD5                  |
| 7      | 5025170   | 8   | WASHER, 5/16 LOCK CZ                     |
| 8      | 5025292   | 8   | WASHER, 5/16 F436 FLAT                   |
| 9      | 5022917   | 2   | GAUGE, FUEL, 12                          |
| 10     | 5022917X1 | 2   | GROMMET, FUEL GAUGE (SV)                 |

***Hydraulic Group S/N: 4002026249 and Below***

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



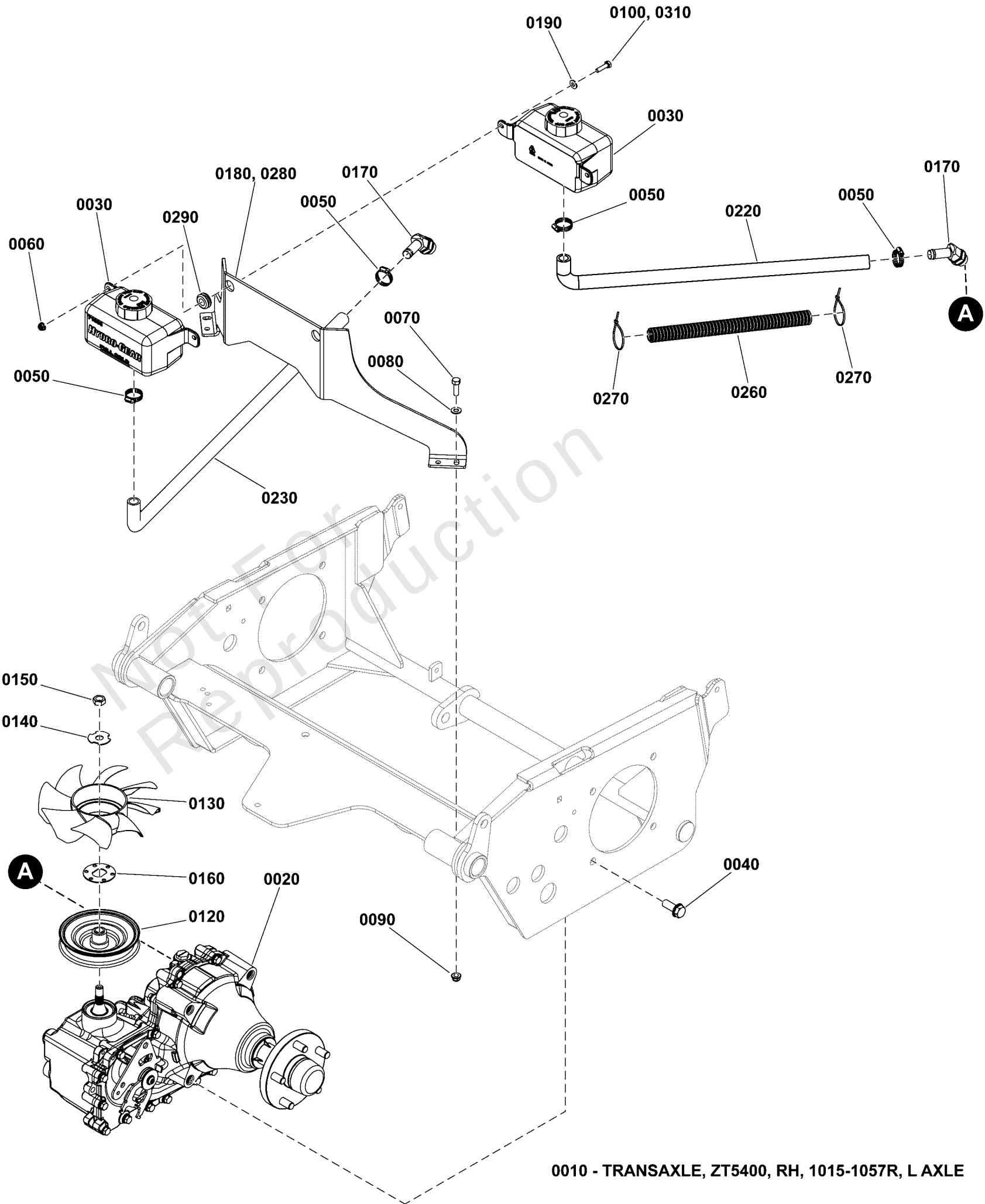
**Hydraulic Group S/N: 4002026249 and Below**

| REF NO  | PART NO      | QTY | DESCRIPTION                                                                                                     |
|---------|--------------|-----|-----------------------------------------------------------------------------------------------------------------|
| 0010    | 84008008     | 1   | TRANSAXLE<br>-(Right side)(Not illustrated)                                                                     |
| 0020    | 84008001     | 1   | TRANSAXLE<br>-(Left side)                                                                                       |
| 0030    | 5101998      | 2   | HYDRO TANK, HYDRO-GEAR 71938, 1 LITER<br>-(Includes item #0030-10)                                              |
| 0030-10 | 5100778X1    | 2   | RESERVIOR CAP<br>-(Not illustrated)                                                                             |
| 0040    | 5025535      | 8   | BOLT,HEX FLG,SER,GD8 1/2-13X1-1/4W/PATCH<br>-(Torque transmission mounting bolts to 95-115 ft-lbs (129-156 Nm)) |
| 0050    | 5021164      | 8   | CLAMP, #10 HOSE, STAINLESS                                                                                      |
| 0060    | 5025391      | 2   | NUT, 1/4-20 Hex Nylock Flange                                                                                   |
| 0070    | 5025011X8    | 4   | BOLT, 5/16-18 X 1" GRD5 YZ                                                                                      |
| 0080    | 5025155      | 4   | WASHER, 5/16" SAE                                                                                               |
| 0090    | 5025392      | 4   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                                                                              |
| 0100    | 5025010X8    | 2   | BOLT, 1/4-20 X 1" GD5 CZ                                                                                        |
| 0120    | 5102873      | 2   | PULLEY, ZT5400 (53179)                                                                                          |
| 0130    | 5102874      | 2   | FAN, ZT5400                                                                                                     |
| 0140    | 5102914      | 2   | WASHER, ZT5400, SLOTTED                                                                                         |
| 0150    | 5102916      | 2   | NUT, ZT5400                                                                                                     |
| 0160    | 5102917      | 2   | SPACER, ANTI-ROTATE, ZT5400                                                                                     |
| 0170    | 5103923      | 2   | FITTING, 45, 5/8 TUBE TO 7/8-14 O-RING                                                                          |
| 0180    | 5416042A     | 1   | PLATE, RESERVOIR MOUNT - BLK                                                                                    |
| 0190    | 5025154      | 2   | WASHER, 1/4 SAE                                                                                                 |
| 0210    | 5050933X2P5  | 2   | HOSE, 5/8, PUSH-LOCK, 2.50                                                                                      |
| 0220    | 5050933X20P5 | 1   | HOSE, 5/8, PUSH-LOCK, 20.50                                                                                     |
| 0230    | 5050933X23P5 | 1   | HOSE, 5/8" PUSH-LOCK, 23.50"                                                                                    |
| 0240    | 5023119      | 2   | FITTING, ELBOW, 5/8" (SV)                                                                                       |
| 0250    | 5419495AA    | 1   | WELD, HOSE SUPPORT - BLK<br>-(S/N: 4000464004 & Above)                                                          |
| 0260    | 5050862X12   | 2   | WIRE LOOM, 3/4 ID X 12 IN<br>-(S/N: 4000464004 & Above)                                                         |
| 0270    | 5021030      | 4   | TIE, SELF-LOCKING, 6"<br>-(S/N: 4000464004 & Above)                                                             |

**Hydraulic Group S/N: 4002026250 and Above**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



**Hydraulic Group S/N: 4002026250 and Above**

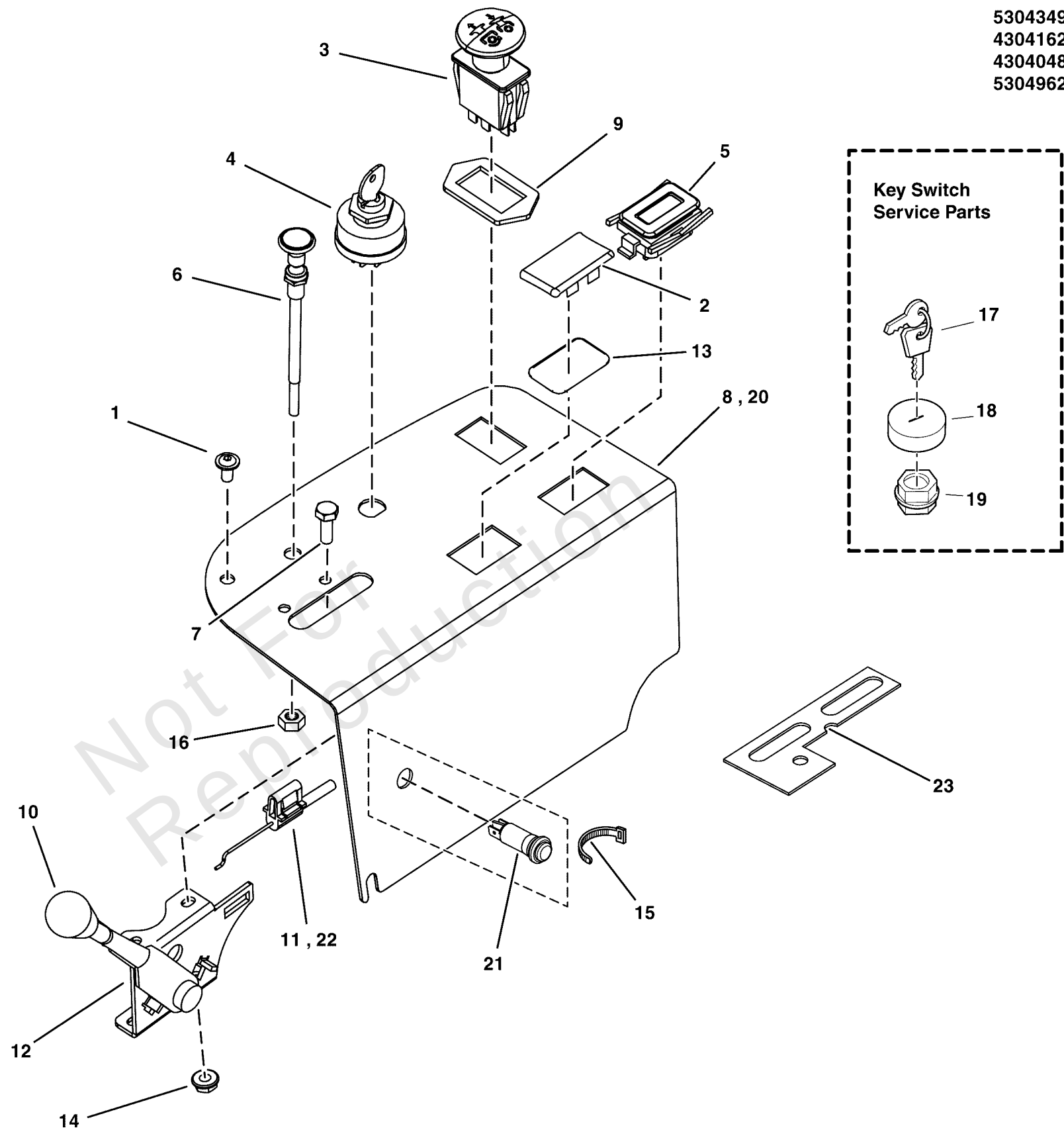
| REF NO  | PART NO      | QTY | DESCRIPTION                                                                                 |
|---------|--------------|-----|---------------------------------------------------------------------------------------------|
| 0010    | 84008008     | 1   | TRANSAXLE<br>-(Right side)(Not illustrated)                                                 |
| 0020    | 84008001     | 1   | TRANSAXLE<br>-(Left side)                                                                   |
| 0030    | 5101998YP    | 2   | HYDRO TANK, HYDRO-GEA<br>-(Includes item #0030-10)                                          |
| 0030-10 | 5100778X1    | 2   | RESERVIOR CAP<br>-(Not illustrated)                                                         |
| 0040    | 5025535YP    | 8   | BOLT,HEX FLG,SER,GD8<br>-(Torque transmission mounting bolts to 95-115 ft-lbs (129-156 Nm)) |
| 0050    | 5021164SM    | 4   | CLAMP, #10 HOSE, STAI                                                                       |
| 0060    | 5025391FS    | 2   | NUT                                                                                         |
| 0070    | 5025010X8SM  | 4   | BOLT, 1/4-20 X 1", GD                                                                       |
| 0080    | 703350       | 4   | WASHER                                                                                      |
| 0090    | 5025392FS    | 4   | NUT                                                                                         |
| 0100    | 5025010X8SM  | 2   | BOLT, 1/4-20 X 1", GD<br>-(S/N: 4002034251 and below)                                       |
| 0120    | 5102873YP    | 2   | PULLEY                                                                                      |
| 0130    | 5102874YP    | 2   | FAN, ZT5400                                                                                 |
| 0140    | 5102914YP    | 2   | WASHER, ZT5400, SLOTT                                                                       |
| 0150    | 5102916YP    | 2   | NUT, ZT5400                                                                                 |
| 0160    | 5102917YP    | 2   | SPACER, ANTI ROTATE,                                                                        |
| 0170    | 5103923YP    | 2   | FITTING, 45, 5/8                                                                            |
| 0180    | 5416042AA    | 1   | PLATE RESERVOIR MOUNT - BLK<br>-(S/N: 4002034251 and below)                                 |
| 0190    | 703332       | 2   | WASHER                                                                                      |
| 0220    | 5108444      | 1   | HOSE, FORMED, TRANS OVERFLOW, 20.50"                                                        |
| 0230    | 84005243     | 1   | HOSE, HYDRAULIC                                                                             |
| 0260    | 5050862X12SM | 2   | WIRE LOOM, 3/4" ID, 1                                                                       |
| 0270    | 5021030SM    | 4   | TIE WRAP, 5-1/2" LONG                                                                       |
| 0280    | 5422436AAFS  | 1   | PLATE<br>-(S/N: 4002034252 and above)                                                       |
| 0290    | 5022816YP    | 2   | GROMMET<br>-(S/N: 4002034252 and above)                                                     |
| 0310    | 5025010X10SM | 2   | BOLT, 1/4-20 X 1-1/4"<br>-(S/N: 4002034252 and above)                                       |

# Instrument Control Panel

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5304349  
4304162  
4304048  
5304962



## Instrument Control Panel

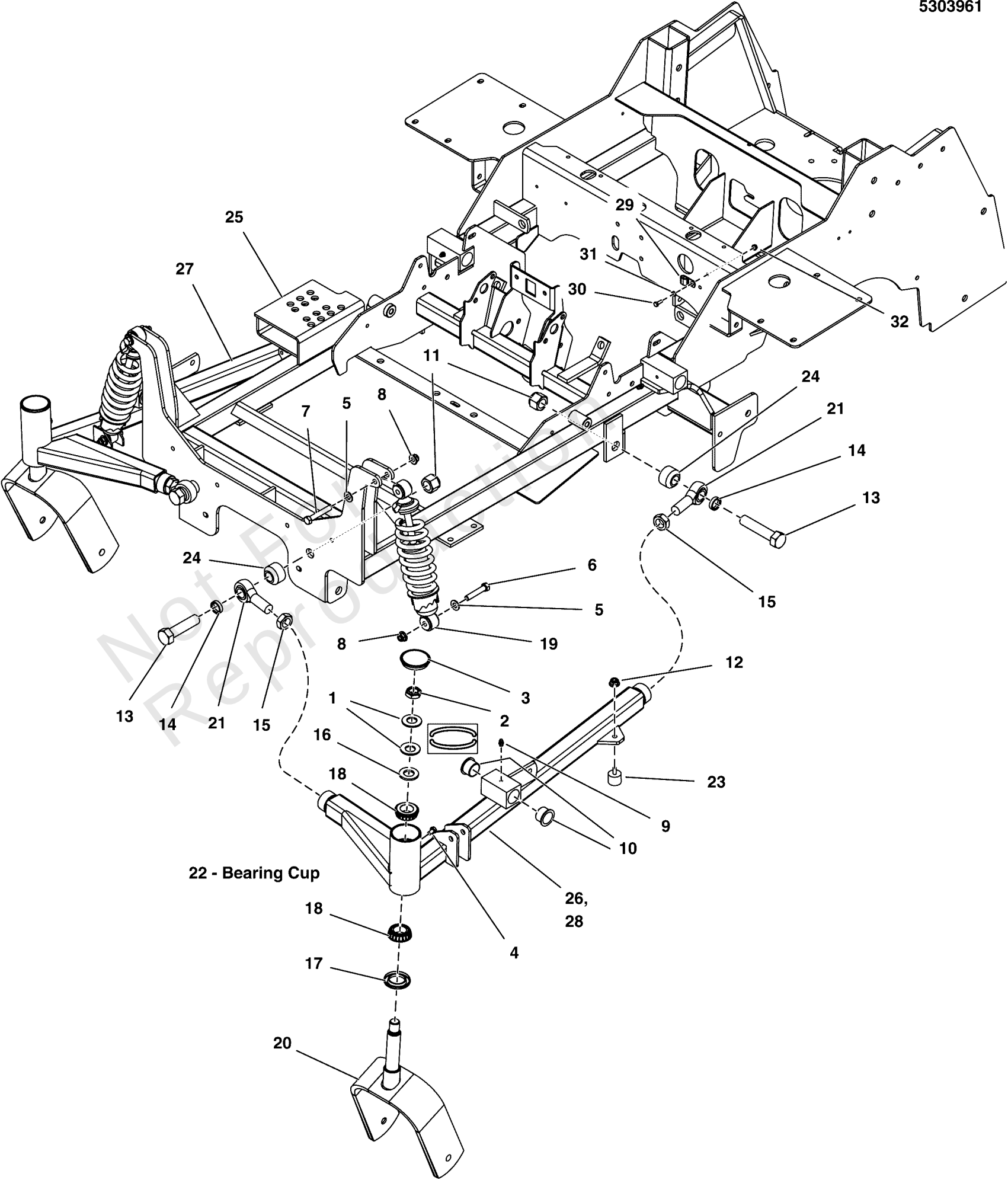
| REF NO | PART NO    | QTY | DESCRIPTION                                                               |
|--------|------------|-----|---------------------------------------------------------------------------|
| 1      | 5025299X4  | 3   | SCREW, ALLEN HEAD 1/4-20X.500 ZINC PHOS                                   |
| 2      | 1709188    | 1   | PLUG, .820X1.44 HOLE, BLACK PLASTIC                                       |
| 3      | 1722887    | 1   | SWITCH-PTO PUSH                                                           |
| 4      | 5020927    | 1   | SWITCH, IGNITION, 6 POST                                                  |
| 5      | 84008510   | 1   | HOURMETER (6 Pin Connector)<br>-(Units with 6 pin connectors)             |
| 6      | 84008768   | 1   | HOURMETER (2 Pin Connector)<br>-(Units with 2 individual wires)           |
| 6      | 5047779    | 1   | CABLE, CHOKE CONTROL, 51" (Z)<br>-(Carbureted Models Only)                |
| 7      | 5025179X6  | 2   | SCREW, #10-24 X 3/4" ROUND PHILLIPS                                       |
| 8      | 5411933A   | 1   | PANEL, Control - Black<br>-(Carbureted Models Only)                       |
| 9      | 5022222    | 1   | RING, SWITCH RETAINER                                                     |
| 10     | 5046360X1  | 1   | THROTTLE CONTROL HANDLE/KNOB                                              |
| 11     | 5101076    | 1   | CABLE, THROTTLE 47"<br>-(Briggs & Stratton Models)                        |
| 12     | 5101537    | 1   | LEVER, THROTTLE CONTROL, HEAVY-DUTY                                       |
| 13     | 5022269    | 1   | O-RING, 7/8" ID X 1/16" W                                                 |
| 14     | 5025271    | 2   | NUT, Hex, Nylon Lock, #10-24                                              |
| 15     | 5021029    | 1   | TIE, SELF-LOCKING, 12"                                                    |
| 16     | 5025035SM  | 1   | NUT (3/8-24 HEX)                                                          |
| 17     | 5022789    | 1   | KEY, IGNITION MOLDED SET                                                  |
| 18     | 5022790    | 1   | COVER, PLASTIC, SNAP ON                                                   |
| 19     | 5022791    | 1   | PLASTIC NUT                                                               |
| 20     | 5412044AYP | 1   | PANEL, Control<br>-(Briggs & Stratton EFI Models Only)                    |
| 21     | 5103809    | 1   | LIGHT, INDICATOR, PANEL, LED, RED<br>-(Briggs & Stratton EFI Models Only) |
| 22     | 5101072    | 1   | CABLE, THROTTLE, 52"<br>-(Kawasaki Models)                                |
| 23     | -----      | 1   | PLATE, THROTTLE STOP (5412643)<br>-(CE Models Only)                       |

**Main Frame & Front Suspension Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303878  
5303961



## Main Frame & Front Suspension Group

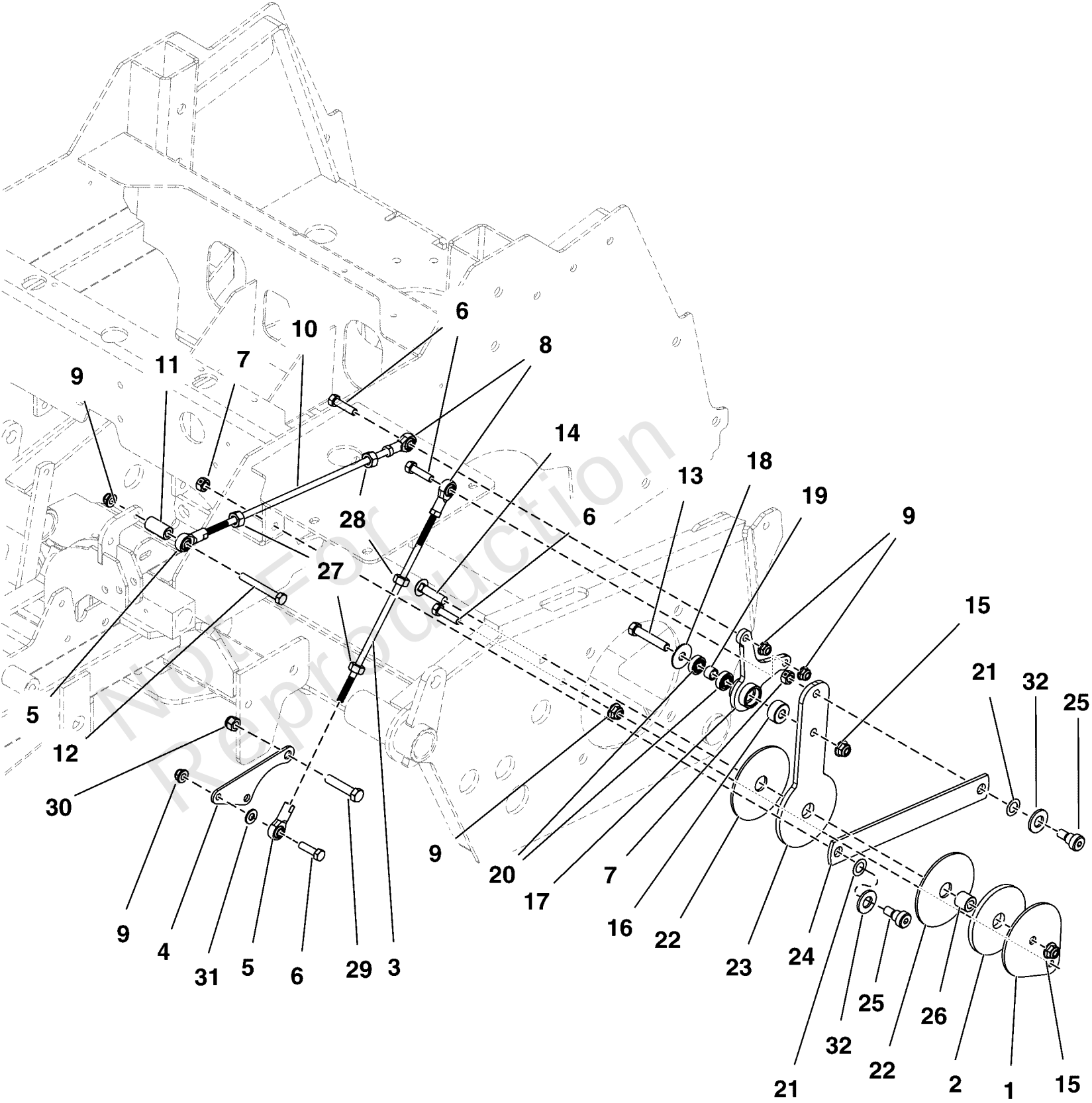
| REF NO | PART NO    | QTY | DESCRIPTION                                                                               |
|--------|------------|-----|-------------------------------------------------------------------------------------------|
| 1      | 5025449    | 4   | WASHER, BELLEVILLE - 1.500 X .755                                                         |
| 2      | 5025448    | 2   | NUT, 3/4-16, HEX JAM NYLON LOCK                                                           |
| 3      | 5109845    | 2   | CAP, GREASE, LOW PROFILE                                                                  |
| 4      | 5025457    | 2   | BOLT, 1/4-28 X 1/2, GD5 CZ                                                                |
| 5      | 5025156    | 4   | WASHER, 3/8 SAE                                                                           |
| 6      | 5025013X16 | 2   | BOLT, 3/8-16 X 2, GD5, CZ                                                                 |
| 7      | 5025013X18 | 2   | BOLT, 3/8-16 X 2-1/4" GD5 CZ                                                              |
| 8      | 5025394    | 4   | NUT, 3/8-16 HEX NYLOCK FLANGE                                                             |
| 9      | 5020095    | 2   | GREASE FITTING, 1/4-28 STRAIGHT                                                           |
| 10     | 5023343    | 4   | BUSHING, 1.00 X 1.13 X 1.38, PLASTIC                                                      |
| 11     | 5025284    | 4   | NUT, 3/4-16 HEX NYLON LOCK                                                                |
| 12     | 5025126    | 2   | NUT, 1/4-20 HEX SERR. FLANGE                                                              |
| 13     | 5025265X28 | 4   | BOLT, 3/4-16 X 3-1/2 GD8 CZ                                                               |
| 14     | 5047461    | 4   | SPACER, .76 X 1.00 X .25                                                                  |
| 15     | 5025093    | 4   | NUT, 3/4-16 HEX JAM                                                                       |
| 16     | 5025160    | 2   | WASHER, 3/4 SAE                                                                           |
| 17     | 5021072    | 2   | SEAL, GREASE                                                                              |
| 18     | 5020884    | 4   | BEARING, TAPERED ROLLER, 1                                                                |
| 19     | 5104052    | 2   | SHOCK / SPRING ASSEMBLY, OE22375                                                          |
| 20     | 5411934B   | 2   | WELD, CASTER YOKE - RED                                                                   |
| 21     | 5022039    | 4   | BALL JOINT, 3/4-16, MALE                                                                  |
| 22     | 5020883    | 4   | BEARING, CUP (SV)                                                                         |
| 23     | 5022673    | 2   | BUMPER, RUBBER 1/4-20                                                                     |
| 24     | 5046093    | 4   | SPACER, .75 X 1.50 X 1.00, CZ                                                             |
| 25     | -----      | 1   | * WELD, MAIN FRAME, IS3200Z - RED<br>-* If frame is damaged, call 1-800-933-6175 ext. 709 |
| 26     | 5413046B   | 1   | WELD, A-ARM, IS3200Z, LH - RED<br>-(61" Models Only)                                      |
| 27     | 5413047B   | 1   | WELD, A-ARM, IS3200Z, RH - RED                                                            |
| 28     | 5416045B   | 1   | WELD, A-ARM, 72, LH - RED<br>-(72" Models Only)                                           |
| 29     | 5025430    | 1   | CLAMP, 5/16, DOUBLE, WIRE & TUBE<br>-(To hold spanner wrench)                             |
| 30     | 5025010X6  | 1   | BOLT, 1/4-20 X 3/4 GD5 YZ                                                                 |
| 31     | 5025154    | 1   | WASHER, 1/4 SAE                                                                           |
| 32     | 5025391    | 1   | NUT, 1/4-20 HEX NYLOCK FLANGE                                                             |

**Motion Control Group - Control System S/N: 4002340028 and Below**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303882L



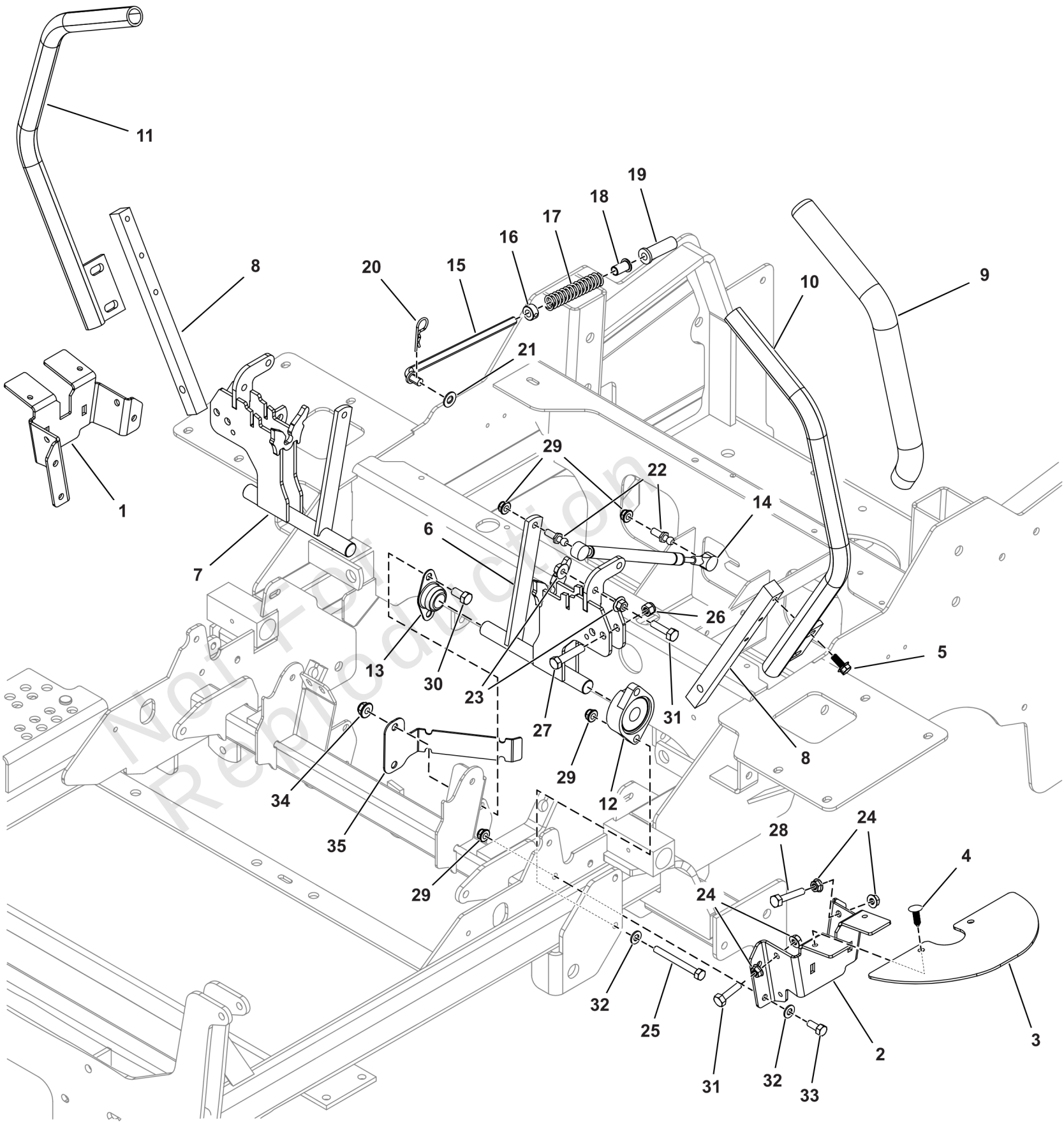
**Motion Control Group - Control System S/N: 4002340028 and Below**

| REF NO | PART NO    | QTY | DESCRIPTION                              |
|--------|------------|-----|------------------------------------------|
| 1      | 5410271A   | 2   | PLATE, CONTROL SYSTEM LOCK - BLK         |
| 2      | 5103704    | 2   | PAD, .77 X 3.50 X .25, POLYURETHANE      |
| 3      | 5101135    | 2   | ROD, HYDRO LINKAGE                       |
| 4      | 5411301A   | 2   | PLATE, CONTROL MOUNT - BLK               |
| 5      | 5104493    | 4   | BALL JOINT 5/16-24 RH FEMALE BRONZE RACE |
| 6      | 5025055X10 | 12  | BOLT, 5/16-18 X 1-1/4 GD5 TFL, CZ        |
| 7      | 5025100    | 4   | NUT, Hex, Side Lock, 3/8-16              |
| 8      | 5104494    | 4   | BALL JOINT 5/16-24 LH FEMALE BRONZE RACE |
| 9      | 5025392    | 8   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT       |
| 10     | 5102255    | 2   | ROD, HYDRO LINKAGE, 14.63                |
| 11     | 5102599    | 2   | SPACER, .38 X .75 X 1.25, PM, CZ         |
| 12     | 5025011X20 | 2   | BOLT, 5/16-18 X 2-1/2" GD5 YZ            |
| 13     | 5025013X20 | 2   | BOLT, 3/8-16 X 2-1/2" GD5 CZ             |
| 14     | 5025146X12 | 2   | BOLT, 3/8-16 X 1-1/2, CARRIAGE, GD5, CZ  |
| 15     | 5025394    | 6   | NUT, 3/8 - 16 HEX NYLOCK FLANGE          |
| 16     | 5046860    | 2   | SPACER, .39 X 1.00 X .50, PM, CZ         |
| 17     | 5103718    | 2   | PIVOT, CONTROL SYSTEM, S125XT            |
| 18     | 5025165    | 2   | WASHER, 3/8" Fender                      |
| 19     | 5103676    | 2   | SPACER, .39 X .55 X .38, PM, CZ          |
| 20     | 5102003    | 4   | BEARING, .375" ID X .875" OD X .341" THK |
| 21     | 5103784    | 4   | WAVE WASHER, 1/2"ID X .087"OD X .01 THK. |
| 22     | 5103672    | 4   | PAD, CONTROL SYSTEM                      |
| 23     | 5410268    | 2   | PLATE, CONTROL SYSTEM ARM - HT           |
| 24     | 5411375AYP | 2   | LINK, Control                            |
| 25     | 5025356    | 4   | BOLT, 3/8-16 X 3/8", 1/2" SHOULDER       |
| 26     | 5103705    | 2   | SPACER, .39 X .75 X .69, PM, CZ          |
| 27     | 5025033    | 4   | NUT, Hex, 5/16-24                        |
| 28     | 5023212    | 4   | NUT, 5/16-24 HEX, LH                     |
| 29     | 5025015X6  | 2   | BOLT, 7/16-14 X 3/4, GD 5 YZ             |
| 30     | 5025044    | 2   | NUT, 7/16-14 HEX TOP LOCK                |
| 31     | 5025155    | 2   | WASHER, 5/16" SAE                        |
| 32     | 5025440    | 4   | WASHER, 1/2" GD9 YZ                      |

**Motion Control Group - Handles & Dampeners**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



## Motion Control Group - Handles & Dampeners

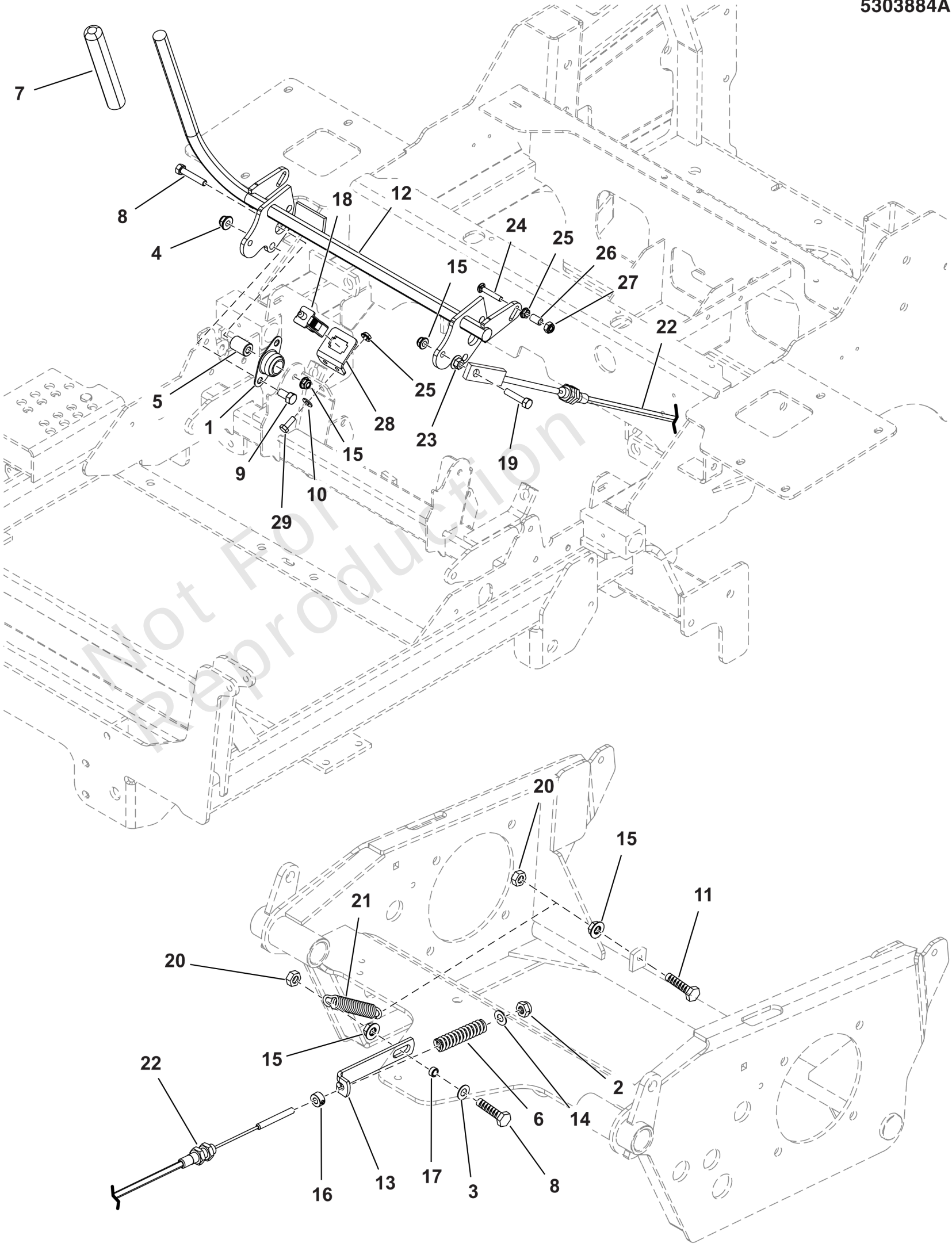
| REF NO | PART NO    | QTY | DESCRIPTION                                    |
|--------|------------|-----|------------------------------------------------|
| 1      | 5416170A   | 1   | PLATE, Neutral Lock, RH - BLK                  |
| 2      | 5416171A   | 1   | PLATE, Neutral Lock, LH - BLK                  |
| 3      | 5401248    | 2   | GUARD, RUBBER MOTION CONTROLS                  |
| 4      | 5025431    | 4   | PUSH RIVET (TREE TYPE), BLACK                  |
| 5      | 80003531   | 4   | SCREW, 5/16-18x0.750, GR5, WHIZ-LOCK, ZC       |
| 6      | 5416663A   | 1   | WELD, CONTROL SHAFT, LOCKOUT, LH - BLK         |
| 7      | 5416664A   | 1   | WELD, CONTROL SHAFT, LOCKOUT, RH - BLK         |
| 8      | 5103106A   | 2   | MOUNT, CONTROL ARM - BLK                       |
| 9      | 5104722    | 2   | GRIP, FOAM, 1" ID, 16" LONG                    |
| 10     | 5414427A   | 1   | WELD, HANDLE MOTION CNTRL, 16.5, 1.0, LH - BLK |
| 11     | 5414428A   | 1   | WELD, HANDLE MOTION CNTRL, 16.5, 1.0, RH - BLK |
| 12     | 5021499    | 2   | BEARING, FLANGE                                |
| 13     | 5021098    | 2   | BEARING, BRONZE FLANGE, 3/4"                   |
| 14     | 5100940    | 2   | DAMPENER, CONTROL, #(P6709/P3610)              |
| 15     | 5100947    | 2   | ROD, NEUTRAL RETURN, CZ                        |
| 16     | 5010546    | 2   | COLLAR, 3/8" Set                               |
| 17     | 5022645    | 2   | SPRING, REVERSE RETURN                         |
| 18     | 5023260    | 2   | BUSHING, FLANGE 3/8ID X 7/8 LONG               |
| 19     | 5104375    | 2   | FLANGED BUSHING, 3/8IDX.63ODX.8125FL           |
| 20     | 5025210    | 2   | 3/32 X 1-5/8 HAIR PIN CLIP                     |
| 21     | 5025156    | 2   | WASHER, 3/8 SAE                                |
| 22     | 5101307    | 4   | 10MM BALL STUD, 5/16-18 X 3/4 THDS             |
| 23     | 5025139    | 4   | NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)       |
| 24     | 5025127    | 8   | NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)       |
| 25     | 5025011X24 | 4   | BOLT, 5/16-18 X 3" GD5 YZ                      |
| 26     | 5025096    | 4   | NUT, 3/8-16 HEX NYLON LOCK                     |
| 27     | 5025013X14 | 4   | BOLT, 3/8-16 X 1-3/4" GD5 CZ                   |
| 28     | 5025055X14 | 2   | BOLT, 5/16-18 X 1-3/4 TFL, GD5 YZ              |
| 29     | 5025392    | 12  | NUT, 5/16-18 HEX NYLOCK FLANGE NUT             |
| 30     | 5025013X6  | 6   | BOLT, 3/8-16 X 3/4" GD5 CZ                     |
| 31     | 5025055X10 | 4   | BOLT, 5/16-18 X 1-1/4 GD5 TFL, CZ              |
| 32     | 5025155    | 10  | WASHER, 5/16" SAE                              |
| 33     | 5025011X6  | 6   | BOLT, 5/16-18 X 3/4 GD5                        |
| 34     | 5025394    | 4   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                |
| 35     | 5413137AYP | 1   | BRACKET, HARNESS MOUNT, 2100 - BLK             |

**Parking Brake Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

**5303884A**



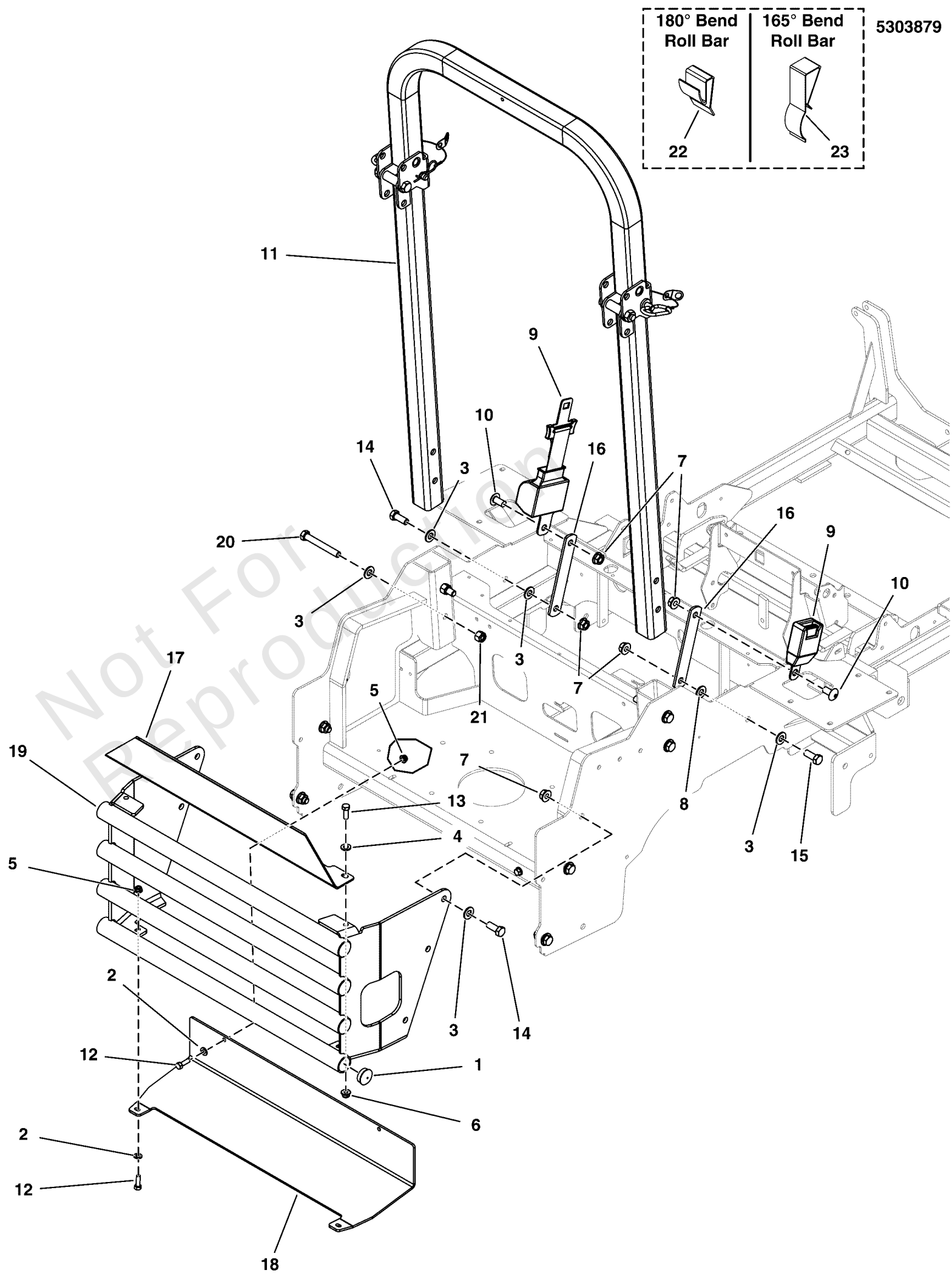
## ***Parking Brake Group***

| REF NO | PART NO      | QTY | DESCRIPTION            |
|--------|--------------|-----|------------------------|
| 1      | 5021098SM    | 2   | BEARING, BRONZE FLANG  |
| 2      | 5025045SM    | 2   | NUT, 5/16-24 HEX NYLO  |
| 3      | 703350       | 2   | WASHER                 |
| 4      | 5025394SM    | 4   | NUT, 3/8-16 HEX NYLOCK |
| 5      | 5042134SM    | 2   | SPACER, .32 X .75 X 1  |
| 6      | 5100385YP    | 2   | SPRING, COMP. 1/2 ID   |
| 7      | 5101038SM    | 1   | GRIP, FOAM             |
| 8      | 5025011X14SM | 4   | BOLT, 5/16-18 X 1-3/4  |
| 9      | 5025013X6SM  | 4   | BOLT, 3/8-16 X 3/4" G  |
| 10     | 703332       | 2   | WASHER                 |
| 11     | 5025055X10YP | 2   | BOLT, 5/16-18 X 1-1/4  |
| 12     | 5415423AAFS  | 1   | SHAFT, BRAKE           |
| 13     | 5411363AYP   | 2   | LINK, BRAKE LOCK       |
| 14     | 5025337FS    | 2   | WASHER                 |
| 15     | 703115       | 8   | NUT                    |
| 16     | 5020047SM    | 2   | COLLAR, 5/16" SET      |
| 17     | 5102463YP    | 2   | SPACER, .33 X .50X.25  |
| 18     | 7022886YP    | 1   | SWITCH, DP NO/NC SNAP  |
| 19     | 5025055X12SM | 2   | BOLT, 5/16-18 X 1-1/2  |
| 20     | 703164       | 4   | NUT                    |
| 21     | 5103969YP    | 2   | SPRING, EXTENSION      |
| 22     | 5104235YP    | 2   | CABLE, PARKING BRAKE   |
| 23     | 5025139SM    | 2   | NUT, 5/16-18 HEX SERR  |
| 24     | 704214       | 2   | BOLT, 1/4-20 X 1.5     |
| 25     | 5025126FS    | 3   | NUT                    |
| 26     | 5041483YP    | 2   | SPACER                 |
| 27     | 5025095SM    | 2   | NUT, 1/4-20 HEX NYLON  |
| 28     | 5415932AYP   | 1   | TAB                    |
| 29     | 5025010X6SM  | 2   | BOLT, 1/4-20 X 3/4" G  |

Rear Bumper and ROPS Group S/N: 4000161087 and Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



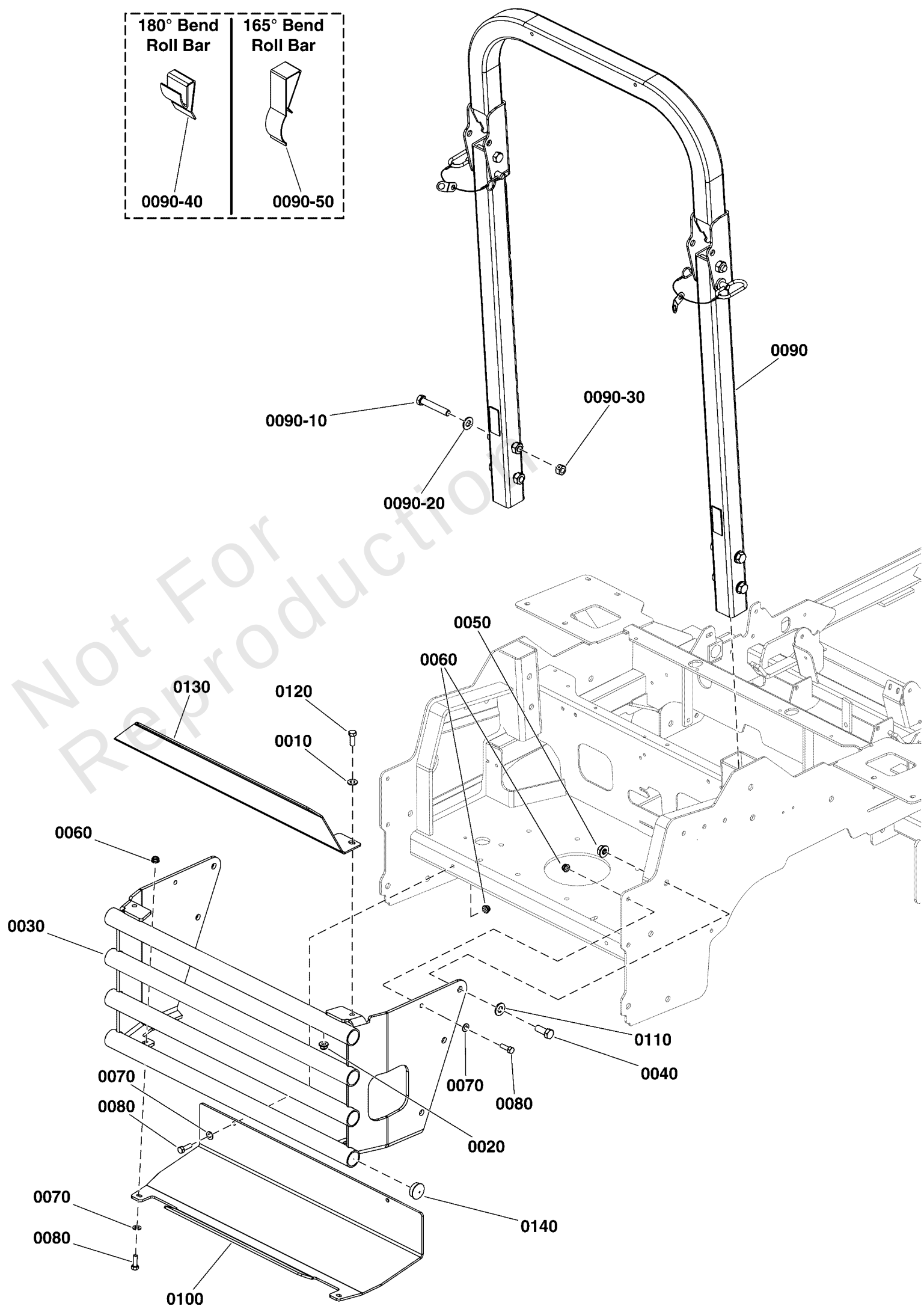
**Rear Bumper and ROPS Group S/N: 4000161087 and Below**

| REF NO | PART NO    | QTY | DESCRIPTION                                                              |
|--------|------------|-----|--------------------------------------------------------------------------|
| 1      | 5023484    | 8   | PLUG, PANEL, 1.25 - BLACK                                                |
| 2      | 5025155    | 6   | WASHER, 5/16" SAE                                                        |
| 3      | 5025158    | 13  | WASHER, 1/2 SAE                                                          |
| 4      | 5025293    | 2   | WASHER, 3/8 GD.9 FLAT                                                    |
| 5      | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE                                           |
| 6      | 5025394    | 2   | NUT, 3/8-16 HEX NYLOCK FLANGE                                            |
| 7      | 5025396    | 10  | NUT, Hex Flange, Nylock, 1/2-13                                          |
| 8      | 5044609    | 1   | SPACER, .52 X 1.00 X .38, CZ                                             |
| 9      | 5100139    | 1   | SEAT BELT, RETRACTING - ASSM                                             |
| 10     | 5100267    | 2   | SCREW, 1/2-13 X 1.00, SHCS                                               |
| 11     | -----      | 1   | ROPS, IS3200<br>-(Call 1-800-933-6175 ex.707 for ROPS service)           |
| 12     | 5025011X8  | 6   | BOLT, 5/16-18 X 1 GD5 CZ                                                 |
| 13     | 5025013X8  | 2   | BOLT, 3/8-16 X 1" GD5 CZ                                                 |
| 14     | 5025017X10 | 7   | BOLT, 1/2-13 X 1-1/4 GD5 CZ                                              |
| 15     | 5025017X12 | 1   | BOLT, 1/2-13 X 1-1/2 GD5 CZ                                              |
| 16     | 5410295A   | 2   | BAR, MOUNT, SEAT BELT, IS700Z - BLK                                      |
| 17     | 5413988B   | 1   | PLATE, CARB PROTECTOR - RED                                              |
| 18     | 5413044A   | 1   | PLATE, HEAT SHIELD, IS3200 - BLK                                         |
| 19     | 5413129B   | 1   | WELD, BUMPER, IS3200Z - RED                                              |
| 20     | 5025017X24 | 4   | BOLT, 1/2-13 X 3" GD5 CZ                                                 |
| 21     | 5025332    | 4   | NUT, 1/2-13 HEX SIDE LOCK                                                |
| 22     | 5103403X1  | 2   | ANTI-RATTLE SPRING, FEMCO #230328972 (SV)<br>-(180 Degree Bend Roll Bar) |
| 23     | 5105140X1  | 2   | ANTI-RATTLE SPRING, ROPS, 165 DEGREE (SV)<br>-(165 Degree Bend Roll Bar) |

**Rear Bumper and ROPS Group S/N: 4000161088 and Above**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



**Rear Bumper and ROPS Group S/N: 4000161088 and Above**

| REF NO  | PART NO    | QTY | DESCRIPTION                                                              |
|---------|------------|-----|--------------------------------------------------------------------------|
| 0010    | 5025293    | 2   | WASHER, 3/8" GR. 9 FLAT                                                  |
| 0020    | 5025394    | 2   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                          |
| 0030    | 5419099B   | 1   | WELD, BUMPER, IS3200 - RED                                               |
| 0040    | 5025017X10 | 6   | BOLT, 1/2-13 X 1-1/4 GD5 CZ                                              |
| 0050    | 5025396    | 6   | NUT, Hex Flange, Nylock, 1/2-13                                          |
| 0060    | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                                       |
| 0070    | 5025155    | 6   | WASHER, 5/16" SAE                                                        |
| 0080    | 5025011X8  | 6   | BOLT, 5/16-18 X 1" GRD5 YZ                                               |
| 0090    | -----      | 1   | ROPS, IS3200<br>-(Refer to Note: *)                                      |
| 0090-10 | 5025017X24 | 4   | BOLT, 1/2-13 X 3" GD5 CZ                                                 |
| 0090-20 | 5025158    | 4   | WASHER, 1/2 SAE                                                          |
| 0090-30 | 5025332    | 4   | NUT, 1/2-13 Hex Side Lock                                                |
| 0090-40 | 5103403X1  | 2   | ANTI-RATTLE SPRING, FEMCO #230328972 (SV)<br>-(180 Degree Bend Roll Bar) |
| 0090-50 | 5105140X1  | 2   | ANTI-RATTLE SPRING, ROPS, 165 DEGREE (SV)<br>-(165 Degree Bend Roll Bar) |
| 0100    | 5419098A   | 1   | PLATE, HEAT SHIELD, IS3200 - BLK                                         |
| 0110    | 5025158    | 6   | WASHER, 1/2 SAE                                                          |
| 0120    | 5025013X8  | 2   | BOLT, 3/8-16 X 1" GD5 CZ                                                 |
| 0130    | 5413988B   | 1   | PLATE, CARB PROTECTOR - RED                                              |
| 0140    | 5023484    | 8   | PLUG, PANEL, 1.25 - BLACK                                                |

**Footnotes:**

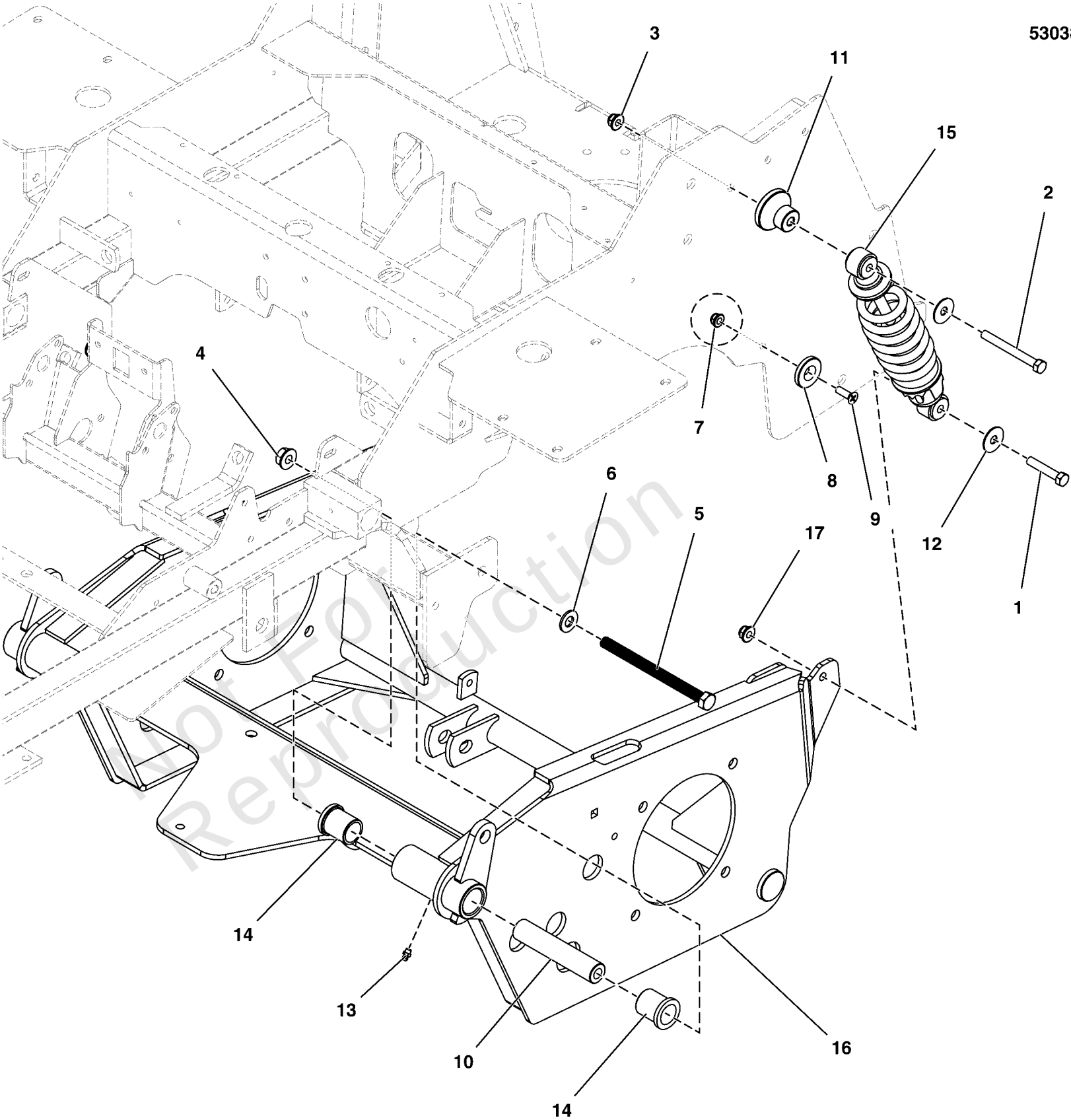
Note: \*Contact the Service Department at 1-800-933-6175 for roll bar replacement parts. You must provide the serial number of the roll bar system.

**Rear Suspension Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303885



### ***Rear Suspension Group***

| REF NO | PART NO    | QTY | DESCRIPTION                       |
|--------|------------|-----|-----------------------------------|
| 1      | 5025013X16 | 2   | BOLT, 3/8-16 X 2, GD5, CZ         |
| 2      | 5025013X28 | 2   | BOLT, 3/8-16 X 3-1/2" GD5 CZ      |
| 3      | 5025100    | 2   | NUT, 3/8-16 HEX SIDE LOCK         |
| 4      | 5025396    | 2   | NUT, Hex Flange, Nylock, 1/2-13   |
| 5      | 5025488X52 | 2   | BOLT, 1/2-13 X 6-1/2 GD8, YZ      |
| 6      | 5025158    | 2   | WASHER, 1/2 SAE                   |
| 7      | 5025392    | 2   | NUT, 5/16-18 HEX NYLOCK FLANGE    |
| 8      | 5102701    | 2   | SPACER, .34 X 1.54 X .25, PL      |
| 9      | 5025594    | 2   | SCREW, 5/16-18X1, PHILLIPS HD. BZ |
| 10     | 5100194    | 2   | SPACER, .52 X 1.00 X 5.00         |
| 11     | 5104704    | 2   | SPACER, .39 X 2.00 X 1.35, PM     |
| 12     | 5025165    | 4   | WASHER-3/8 FENDER                 |
| 13     | 5020095    | 2   | GREASE FITTING, 1/4-28 STRAIGHT   |
| 14     | 5021541    | 4   | BUSHING, FLANGE                   |
| 15     | 5104060    | 2   | SHOCK / SPRING ASSEMBLY, OE22376  |
| 16     | 84007759   | 1   | CRADLE, Suspension                |
| 17     | 5025394    | 2   | NUT, 3/8-16 HEX NYLOCK FLANGE     |

**Seat Mount and Floor Group S/N: 4000015530 and Below**

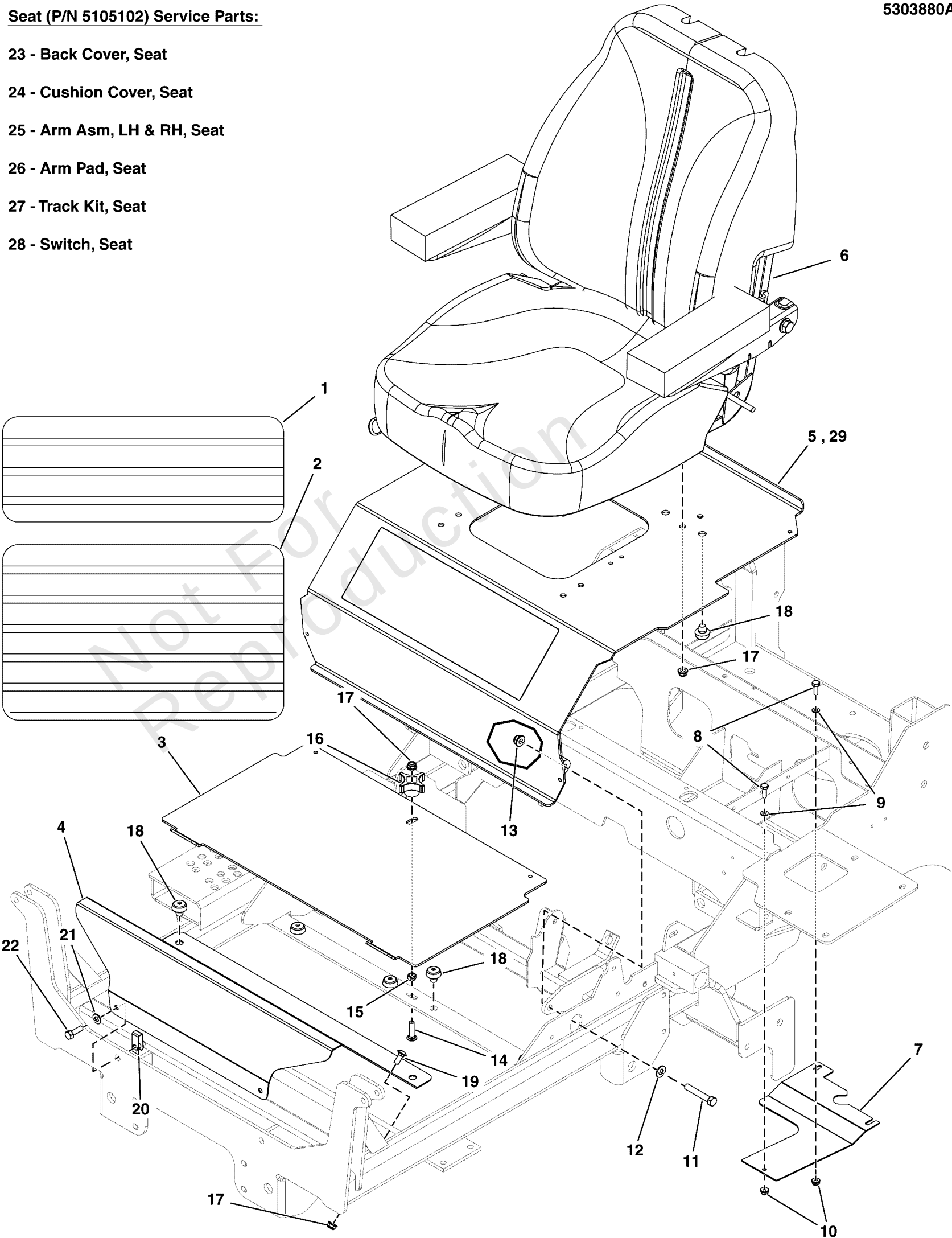
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303880A

**Seat (P/N 5105102) Service Parts:**

- 23 - Back Cover, Seat
- 24 - Cushion Cover, Seat
- 25 - Arm Asm, LH & RH, Seat
- 26 - Arm Pad, Seat
- 27 - Track Kit, Seat
- 28 - Switch, Seat



**Seat Mount and Floor Group S/N: 4000015530 and Below**

| REF NO | PART NO    | QTY | DESCRIPTION                                                           |
|--------|------------|-----|-----------------------------------------------------------------------|
| 1      | 5101374    | 1   | SAFETY WALK, FLOOR REST, 16.00 X 6.00                                 |
| 2      | 5101333    | 1   | SAFETY WALK, FLOOR PLATE, S50X, 10X17.13                              |
| 3      | 5412905B   | 1   | PLATE, FLOOR, REMOVABLE, IS3100Z - RED                                |
| 4      | 5412908B   | 1   | PLATE, FRONT FLOOR, IS3100Z - RED                                     |
| 5      | 5600838    | 1   | ASSM, SEAT PLATE W/DECALS, IS3200Z-DOM (5412767B)<br>-(USA Models)    |
| 6      | 5105102    | 1   | SEAT, HIGH BACK, SEAT'SINC, W/SWITCH                                  |
| 7      | 5411984A   | 1   | GUARD, DEBRIS, IS2100Z - BLK                                          |
| 8      | 5025010X6  | 3   | BOLT, 1/4"-20 X 3/4" GD5 YZ                                           |
| 9      | 5025154    | 3   | WASHER, 1/4 SAE                                                       |
| 10     | 5025126    | 3   | NUT, 1/4-20 HEX SERR. FLANGE                                          |
| 11     | 5025013X18 | 2   | BOLT, 3/8-16 X 2-1/4" GD5 CZ                                          |
| 12     | 5025156    | 2   | WASHER, 3/8 SAE                                                       |
| 13     | 5025394    | 2   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                       |
| 14     | 5025145X10 | 1   | BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ                              |
| 15     | 80003675   | 1   | NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL                            |
| 16     | 1670578    | 1   | KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG                              |
| 17     | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT<br>-(Refer to Note: *)             |
| 18     | 197546     | 10  | MNT, VBRTN, RBBR                                                      |
| 19     | 5025145X6  | 2   | BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ                                |
| 20     | 5025452    | 2   | BODY CLIP, 5/16-18 -1/4 MATERIAL                                      |
| 21     | 5025155    | 2   | WASHER, 5/16" SAE                                                     |
| 22     | 5025011X8  | 2   | BOLT, 5/16-18 X 1" GRD5 YZ                                            |
| 23     | 5104719X3  | 1   | BACK COVER<br>-(SV)                                                   |
| 24     | 5104719X4  | 1   | CUSHION COVER<br>-(SV)                                                |
| 25     | 5104719X2  | 1   | SET OF ARMREST ASSEMBLY BLK/CHAR CAR FIB/HARBR GRY RED WELT<br>-(SV)  |
| 26     | 5104719X1  | 1   | ARM PAD ASSEMBLY BLK/CHAR CAR FIB/HARBR GRY RED WELT<br>-(SV)         |
| 27     | 5104719X5  | 1   | TRACK KIT<br>-(SV)                                                    |
| 28     | 7023354    | 1   | SWITCH, SEAT<br>-(SV)                                                 |
| 29     | 5600839    | 1   | ASSM, SEAT PLATE W/DECALS, IS3200Z-EXP (5412767B)<br>-(Export Models) |

**Footnotes:**

Note: \*Nut on top of knob is no longer used.

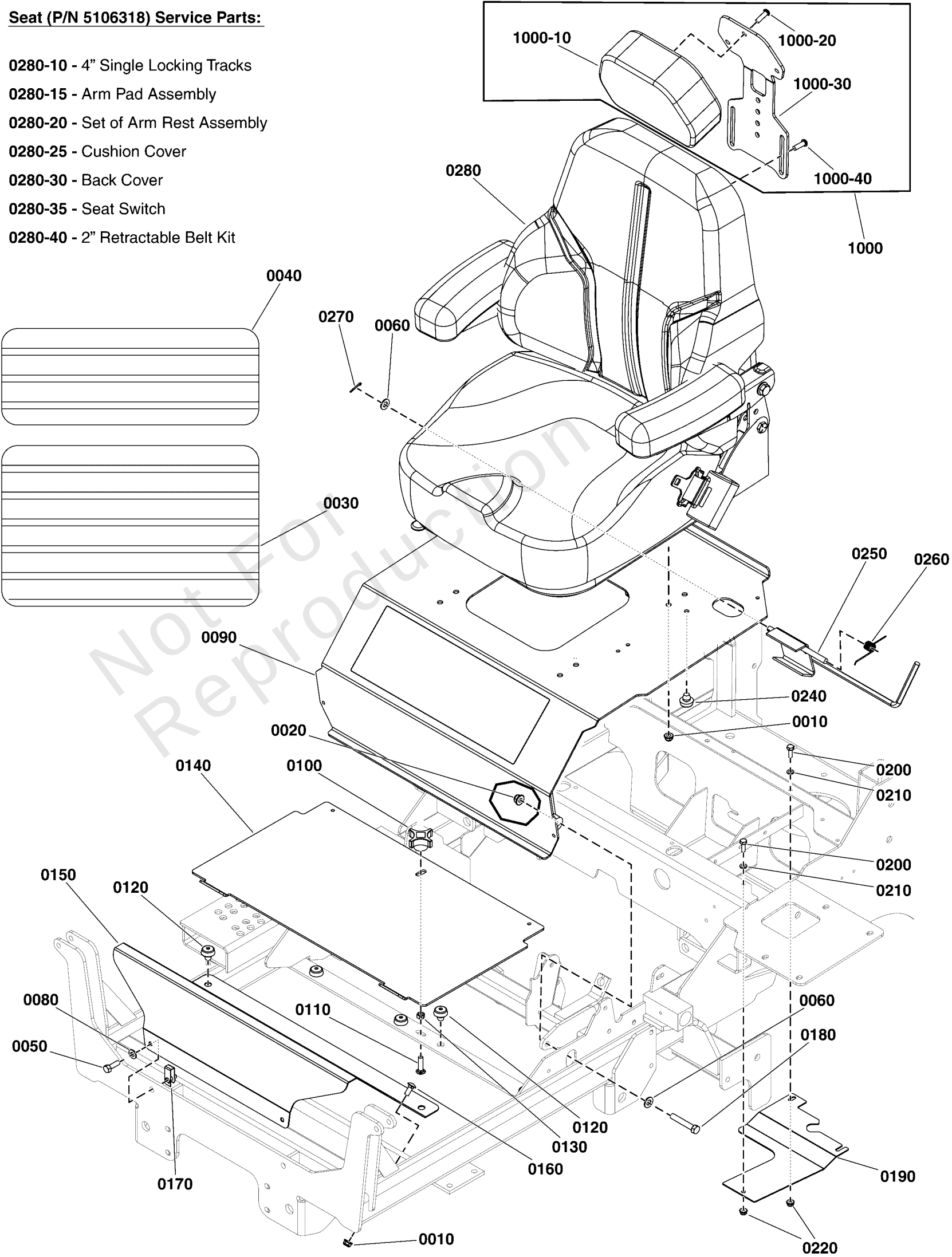
**Seat Mount and Floor Group S/N: 4000015531 to 4000875836**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

**Seat (P/N 5106318) Service Parts:**

- 0280-10 - 4" Single Locking Tracks
- 0280-15 - Arm Pad Assembly
- 0280-20 - Set of Arm Rest Assembly
- 0280-25 - Cushion Cover
- 0280-30 - Back Cover
- 0280-35 - Seat Switch
- 0280-40 - 2" Retractable Belt Kit



# **Seat Mount and Floor Group S/N: 4000015531 to 4000875836**

| REF NO  | PART NO    | QTY | DESCRIPTION                                |
|---------|------------|-----|--------------------------------------------|
| 0010    | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT         |
| 0020    | 5025394    | 2   | NUT, 3/8 - 16 HEX NYLOCK FLANGE            |
| 0030    | 5101333    | 1   | SAFETY WALK, FLOOR PLATE, S50X, 10X17.13   |
| 0040    | 5101374    | 1   | SAFETY WALK, FLOOR REST, 16.00 X 6.00      |
| 0050    | 5025011X8  | 2   | BOLT, 5/16-18 X 1" GRD5 YZ                 |
| 0060    | 5025156    | 4   | WASHER, 3/8 SAE                            |
| 0080    | 5025155    | 2   | WASHER, 5/16" SAE                          |
| 0090    | 5601175    | 1   | ASSM, SEAT PLATE W/ DECALS, DOMESTIC       |
| 0100    | 1670578    | 1   | KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG   |
| 0110    | 5025145X10 | 1   | BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ   |
| 0120    | 197546     | 6   | MNT, VBRTN, RBBR                           |
| 0130    | 80003675   | 1   | NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL |
| 0140    | 5412905B   | 1   | PLATE, FLOOR, REMOVABLE, IS3100Z - RED     |
| 0150    | 5412908B   | 1   | PLATE, FRONT FLOOR, IS3100Z - RED          |
| 0160    | 5025145X6  | 2   | BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ     |
| 0170    | 5025452    | 2   | BODY CLIP, 5/16-18 -1/4 MATERIAL           |
| 0180    | 5025013X18 | 2   | BOLT, 3/8-16 X 2-1/4" GD5 CZ               |
| 0190    | 5417762A   | 1   | GUARD, DEBRIS, IS3200Z - BLK               |
| 0200    | 5025010X6  | 3   | BOLT, 1/4"-20 X 3/4" GD5 YZ                |
| 0210    | 5025154    | 3   | WASHER, 1/4 SAE                            |
| 0220    | 5025126    | 3   | NUT, 1/4-20 HEX SERR. FLANGE               |
| 0240    | 5106763    | 2   | BUMPER, RUBBER, 5/16-18, 60 DURO           |
| 0250    | 5418223A   | 1   | WELD, SEAT LATCH HOOK - BLACK              |
| 0260    | 5106644    | 1   | SPRING, TORSION, LH, .0625OD               |
| 0270    | 80002736   | 1   | PIN, 3/32 X 0.750, COT, ZINC/CLEAR         |
| 0280    | 5106318    | 1   | SEAT, HIGH BACK, W/SWITCH & SEAT BELTS     |
| 0280-10 | 5106318X1  | 1   | 4" SINGLE LOCKING TRACK KIT<br>-(SV)       |
| 0280-15 | 5106325X2  | 1   | SET OF ARM KITS<br>-(SV)                   |
| 0280-20 | 5106325X3  | 1   | SET OF ARM PADS<br>-(SV)                   |
| 0280-25 | 5106318X4  | 1   | CUSHION COVER FOR E-DELUXE<br>-(SV)        |
| 0280-30 | 5106318X3  | 1   | MID BACK COVER - E-DELUXE<br>-(SV)         |
| 0280-35 | 7023354    | 1   | SWITCH, SEAT<br>-(SV)                      |
| 0280-40 | 5106318X2  | 1   | 2" RETRACTABLE SEAT BELT KIT<br>-(SV)      |
| 1000    | 84003643   | 1   | KIT, Headrest                              |
| 1000-10 | 5106645    | 1   | HEAD REST HIGH BACK SEAT                   |
| 1000-20 | 5418483A   | 1   | PLATE, MOUNTING BRACKET, HEADREST - BLK    |
| 1000-30 | 5025652    | 3   | SCREW, 5/16-18X1, BUT HD, BLK, W/PATCH     |
| 1000-40 | 5107404    | 3   | WASHER, FENDER, 1.00 OD X .315 ID X .055   |

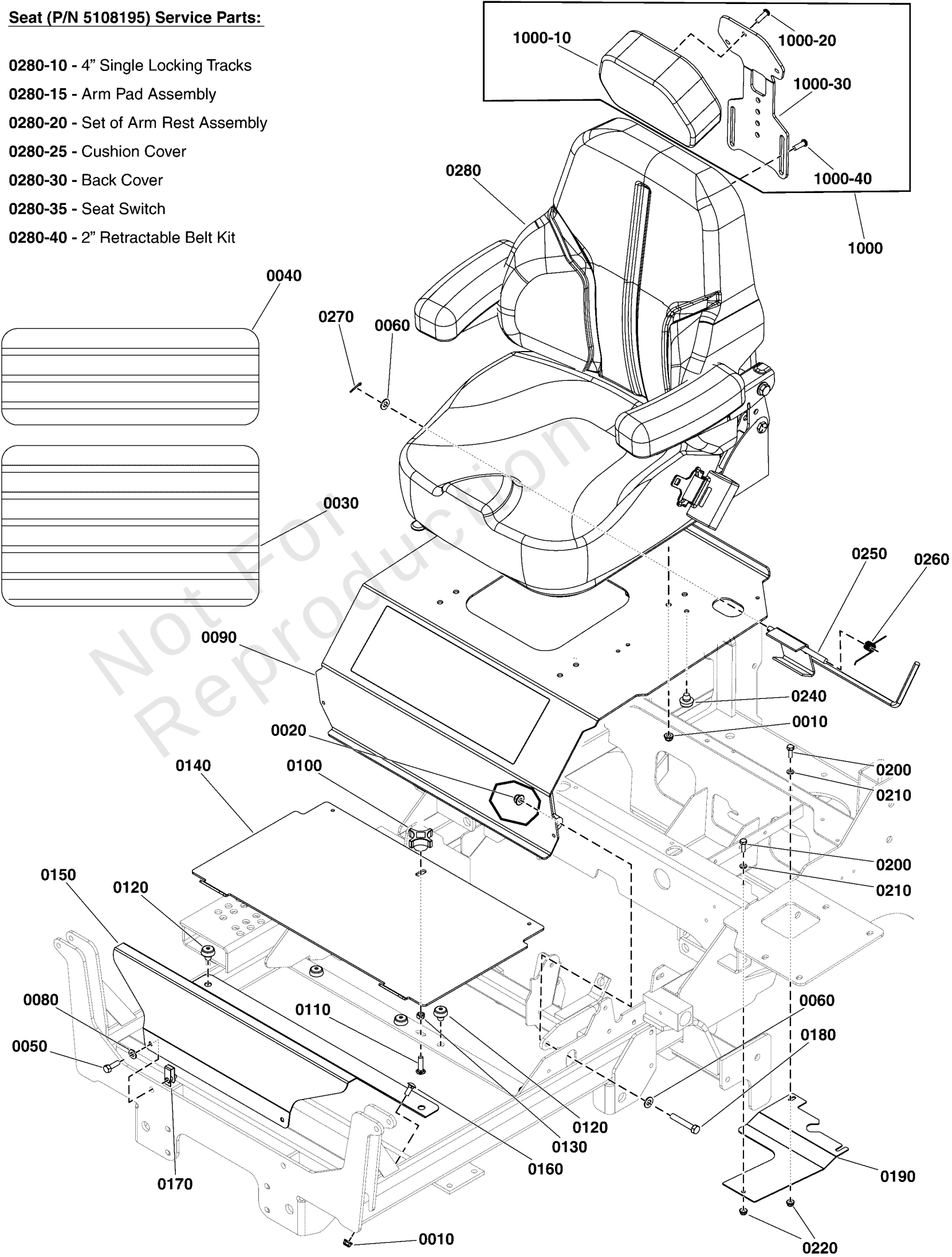
**Seat Mount and Floor Group S/N: 4000875837 and Above**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

**Seat (P/N 5108195) Service Parts:**

- 0280-10 - 4" Single Locking Tracks
- 0280-15 - Arm Pad Assembly
- 0280-20 - Set of Arm Rest Assembly
- 0280-25 - Cushion Cover
- 0280-30 - Back Cover
- 0280-35 - Seat Switch
- 0280-40 - 2" Retractable Belt Kit



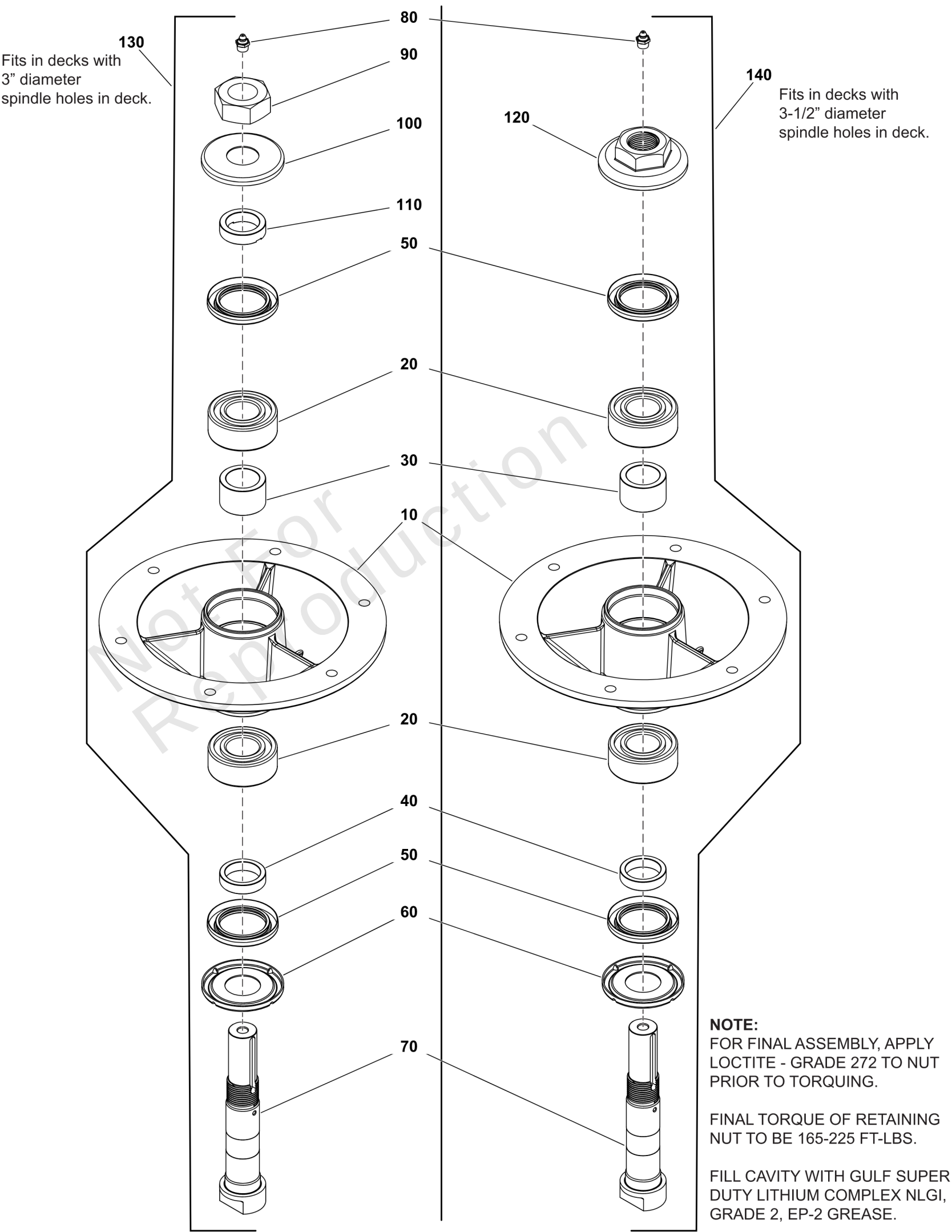
### Seat Mount and Floor Group S/N: 4000875837 and Above

| REF NO  | PART NO    | QTY | DESCRIPTION                                |
|---------|------------|-----|--------------------------------------------|
| 0010    | 5025392    | 6   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT         |
| 0020    | 5025394    | 2   | NUT, 3/8 - 16 HEX NYLOCK FLANGE            |
| 0030    | 5101333    | 1   | SAFETY WALK, FLOOR PLATE, S50X, 10X17.13   |
| 0040    | 5101374    | 1   | SAFETY WALK, FLOOR REST, 16.00 X 6.00      |
| 0050    | 5025011X8  | 2   | BOLT, 5/16-18 X 1" GRD5 YZ                 |
| 0060    | 5025156    | 4   | WASHER, 3/8 SAE                            |
| 0080    | 5025155    | 2   | WASHER, 5/16" SAE                          |
| 0090    | 5601175    | 1   | ASSM, SEAT PLATE W/ DECALS, DOMESTIC       |
| 0100    | 1670578    | 1   | KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG   |
| 0110    | 5025145X10 | 1   | BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ   |
| 0120    | 197546     | 6   | MNT, VBRTN, RBBR                           |
| 0130    | 80003675   | 1   | NUT, 5/16-1/8, HEX, CNTR LK, ZINC PHOS/OIL |
| 0140    | 5412905B   | 1   | PLATE, FLOOR, REMOVABLE, IS3100Z - RED     |
| 0150    | 5412908B   | 1   | PLATE, FRONT FLOOR, IS3100Z - RED          |
| 0160    | 5025145X6  | 2   | BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ     |
| 0170    | 5025452    | 2   | BODY CLIP, 5/16-18 -1/4 MATERIAL           |
| 0180    | 5025013X18 | 2   | BOLT, 3/8-16 X 2-1/4" GD5 CZ               |
| 0190    | 5417762A   | 1   | GUARD, DEBRIS, IS3200Z - BLK               |
| 0200    | 5025010X6  | 3   | BOLT, 1/4"-20 X 3/4" GD5 YZ                |
| 0210    | 5025154    | 3   | WASHER, 1/4 SAE                            |
| 0220    | 5025126    | 3   | NUT, 1/4-20 HEX SERR. FLANGE               |
| 0240    | 5106763    | 2   | BUMPER, RUBBER, 5/16-18, 60 DURO           |
| 0250    | 5418223A   | 1   | WELD, SEAT LATCH HOOK - BLACK              |
| 0260    | 5106644    | 1   | SPRING, TORSION, LH, .0625OD               |
| 0270    | 80002736   | 1   | PIN, 3/32 X 0.750, COT, ZINC/CLEAR         |
| 0280    | 5108195    | 1   | SEAT, HIGH BACK, W/SWITCH & SEAT BELT      |
| 0280-10 | 5106318X1  | 1   | 4" SINGLE LOCKING TRACK KIT<br>-(SV)       |
| 0280-15 | 5106325X2  | 1   | SET OF ARM KITS<br>-(SV)                   |
| 0280-20 | 5106325X3  | 1   | SET OF ARM PADS<br>-(SV)                   |
| 0280-25 | 5106318X4  | 1   | CUSHION COVER FOR E-DELUXE<br>-(SV)        |
| 0280-30 | 5108194X2  | 1   | SEAT BACK COVER<br>-(SV)                   |
| 0280-35 | 7023354    | 1   | SWITCH, SEAT<br>-(SV)                      |
| 0280-40 | 5106318X2  | 1   | 2" RETRACTABLE SEAT BELT KIT<br>-(SV)      |
| 1000    | 84003643   | 1   | KIT, Headrest                              |
| 1000-10 | 5106645    | 1   | HEAD REST HIGH BACK SEAT                   |
| 1000-20 | 5418483A   | 1   | PLATE, MOUNTING BRACKET, HEADREST - BLK    |
| 1000-30 | 5025652    | 3   | SCREW, 5/16-18X1, BUT HD, BLK, W/PATCH     |
| 1000-40 | 5107404    | 3   | WASHER, FENDER, 1.00 OD X .315 ID X .055   |

Spindle Service Parts - 84003242 / 84007984

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



### ***Spindle Service Parts - 84003242 / 84007984***

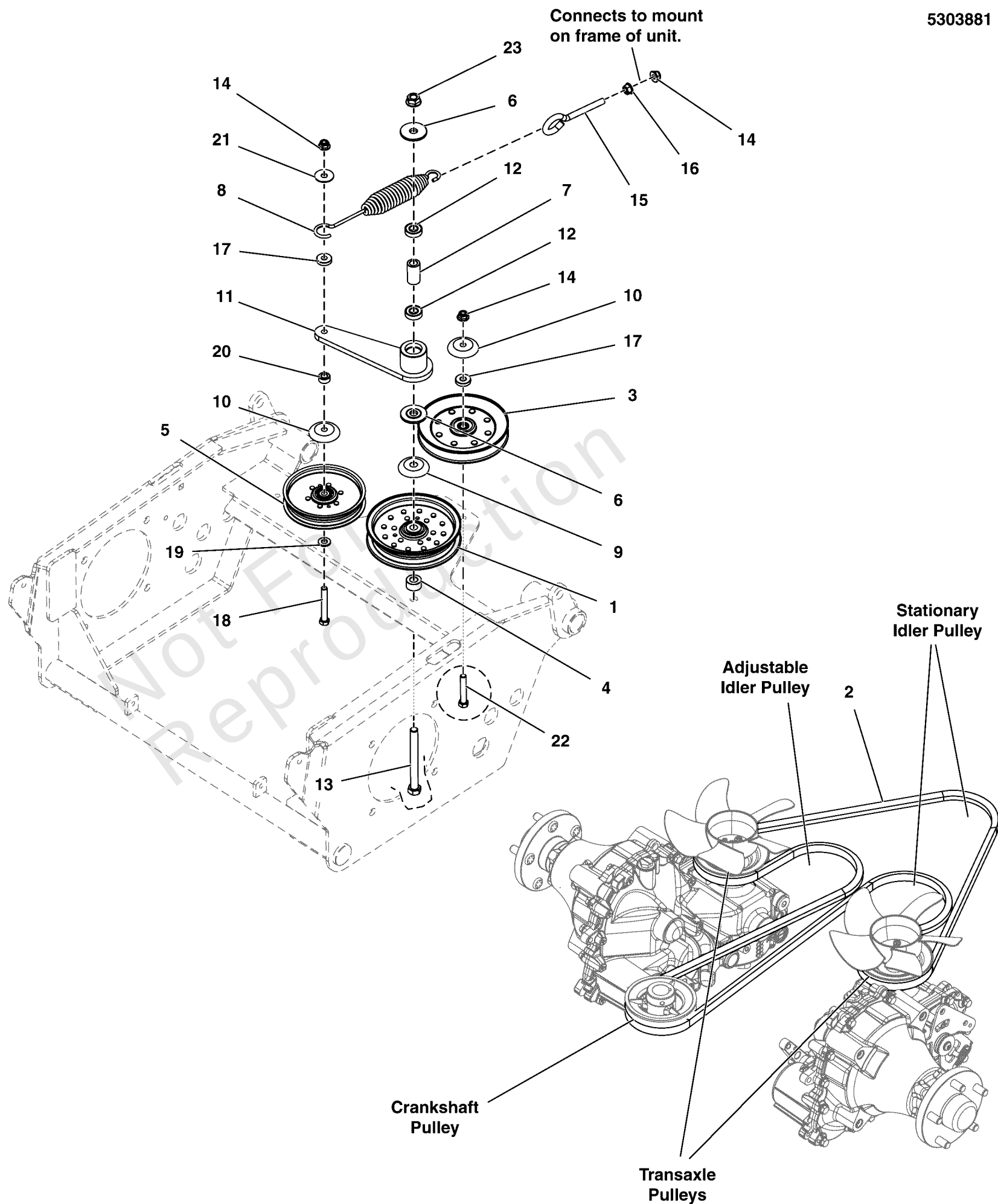
| REF NO | PART NO   | QTY | DESCRIPTION                                                                      |
|--------|-----------|-----|----------------------------------------------------------------------------------|
| 10     | 84003315  | 1   | HOUSING, SPINDLE                                                                 |
| 20     | 84003324  | 2   | BEARING                                                                          |
| 30     | 84003325  | 1   | SPACER                                                                           |
| 40     | 84003319  | 1   | SPACER                                                                           |
| 50     | 84003323  | 2   | SEAL, LIP                                                                        |
| 60     | 84003317  | 1   | SHIELD                                                                           |
| 70     | 84003320  | 1   | SHAFT, SPINDLE                                                                   |
| 80     | 5023329SM | 1   | FITTING                                                                          |
| 90     | 84003321  | 1   | NUT                                                                              |
| 100    | 84003318  | 1   | SHIELD                                                                           |
| 110    | 84003316  | 1   | SPACER (1.183 x 1.625 x 0.420)                                                   |
| 120    | 84010900  | 1   | NUT, WASHER                                                                      |
| 130    | 84007984  | 1   | SPINDLE ASSEMBLY<br>-(Fits in decks with 3" diameter spindle holes in deck.)     |
| 140    | 84003242  | 1   | SPINDLE ASSEMBLY<br>-(Fits in decks with 3-1/2" diameter spindle holes in deck.) |

**Transaxle Drive Group S/N: 2018015083 & Below**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569

5303881



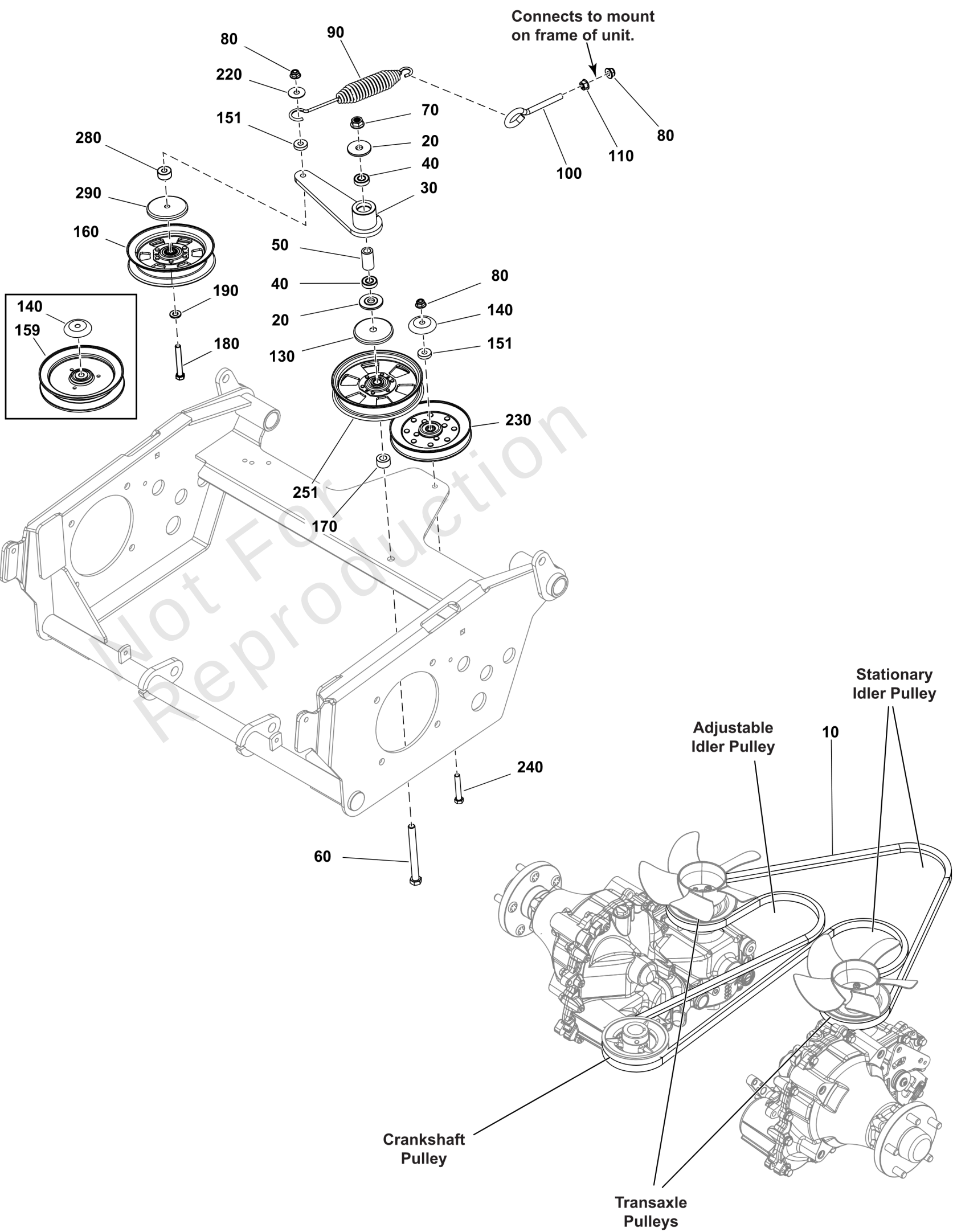
**Transaxle Drive Group S/N: 2018015083 & Below**

| REF NO | PART NO    | QTY | DESCRIPTION                                            |
|--------|------------|-----|--------------------------------------------------------|
| 1      | -----      | 1   | Replace with: Pulley #5104717 & Debris Shield #5105145 |
| 2      | 5104378    | 1   | BELT, B-SEC, 129"EL, ARAMID, WRAPED                    |
| 3      | 5102093    | 1   | PULLEY-IDLER-V, 5.83OB, .38ID, .94W, STL               |
| 4      | 5101162    | 1   | SPACER, .52 X 1.00 X .56, CZ                           |
| 5      | 5103789    | 1   | PULLEY, C-SEC, V-IDLER, 6.25"ODX3/8ID                  |
| 6      | 5103262    | 2   | SPACER, IDLER ARM, 1/2, PM                             |
| 7      | 5103812    | 1   | SPACER, .52 X .84 X 1.53, PM                           |
| 8      | 5100632    | 1   | SPRING-EXT, 1.25OD X 9.3LG X .142WR, BLK               |
| 9      | 5101103    | 1   | SHIELD, PULLEY BEARING, CZ                             |
| 10     | 5103787    | 2   | SHIELD, BEARING PULLEY, 3/8ID, CZ                      |
| 11     | 5413140A   | 1   | WELD, IDLER ARM, 7.50, BEARINGS - BLK                  |
| 12     | 7078243    | 2   | BEARING, BALL, AXLE                                    |
| 13     | 5025017X40 | 1   | BOLT-1/2-13 X 5 GD5 YZ                                 |
| 14     | 5025394    | 3   | NUT, 3/8-16 HEX NYLOCK FLANGE                          |
| 15     | 5025429    | 1   | EYEBOLT, 3/8-16 X 4, 2.13THRD, .75EYE, C               |
| 16     | 5025128    | 1   | NUT, 3/8-16 HEX SERRATED FLANGE                        |
| 17     | 5044960    | 2   | SPACER, .39 X 1.00 X .25                               |
| 18     | 5025013X22 | 1   | BOLT, 3/8-16 X 2-3/4" GD5 CZ                           |
| 19     | 5025293    | 1   | WASHER, 3/8 GD.9 FLAT                                  |
| 20     | 5046860    | 1   | SPACER, .39 X 1.00 X .50, CZ                           |
| 21     | 5025165    | 1   | WASHER-3/8 FENDER                                      |
| 22     | 5025013X18 | 1   | BOLT, 3/8-16 X 2-1/4" GD5 CZ                           |
| 23     | 5025396    | 1   | NUT, Hex Flange, Nylock, 1/2-13                        |

**Transaxle Drive Group S/N: 2018015084 & Above**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



# Transaxle Drive Group S/N: 2018015084 & Above

| REF NO | PART NO      | QTY | DESCRIPTION                                                            |
|--------|--------------|-----|------------------------------------------------------------------------|
| 10     | 84003255     | 1   | BELT, DRIVE                                                            |
| 20     | 5103262YP    | 2   | SPACER, IDLER ARM                                                      |
| 30     | 84003256     | 1   | ARM, IDLER                                                             |
| 40     | 7078243YP    | 2   | BEARING, BALL, AXLE                                                    |
| 50     | 5103812YP    | 1   | SPACER, .52 X .84 X 1                                                  |
| 60     | 5025017X40SM | 1   | BOLT, 1/2-13 X 5" GD5                                                  |
| 70     | 770225       | 1   | NUT                                                                    |
| 80     | 5025394SM    | 3   | NUT, 3/8-16 HEX NYLOCK                                                 |
| 90     | 5100632YP    | 1   | SPRING, EXTENSION                                                      |
| 100    | 5025429SM    | 1   | EYEBOLT - 3/8-16                                                       |
| 110    | 5025128SM    | 1   | NUT, 3/8-16 HEX SERRA                                                  |
| 130    | 5105145YP    | 1   | SHIELD                                                                 |
| 140    | 5103787YP    | 1   | SHIELD, BRNG PULLEY<br>-(Qty: 2 - Serial Number: 4002398211 and Below) |
| 151    | 5044960SM    | 2   | SPACER, .39 X 1.00 X                                                   |
| 159    | 5103789YP    | 1   | PULLEY, C-SEC,V-IDLER<br>-(Serial Number: 4002398211 and Below)        |
| 160    | 84012665     |     | PULLEY w/ Shield<br>-(Serial Number: 4002398212 and Above)             |
| 170    | 5101162YP    | 1   | SPACER                                                                 |
| 180    | 5025013X22SM | 1   | BOLT, 3/8-16 X 2-3/4"                                                  |
| 190    | 5025293SM    | 1   | WASHER, 3/8"                                                           |
| 220    | 5025165SM    | 1   | WASHER, 3/8" FENDER                                                    |
| 230    | 5102093YP    | 1   | PULLEY-IDLER-V                                                         |
| 240    | 5025013X18SM | 1   | BOLT, 3/8-16 X 2-1/4"                                                  |
| 251    | 5104717YP    | 1   | PULLEY                                                                 |
| 280    | 5046860SM    | 1   | SPACER                                                                 |
| 290    | 5105146YP    | 1   | SHIELD<br>-(Serial Number: 4002398212 and Above)                       |

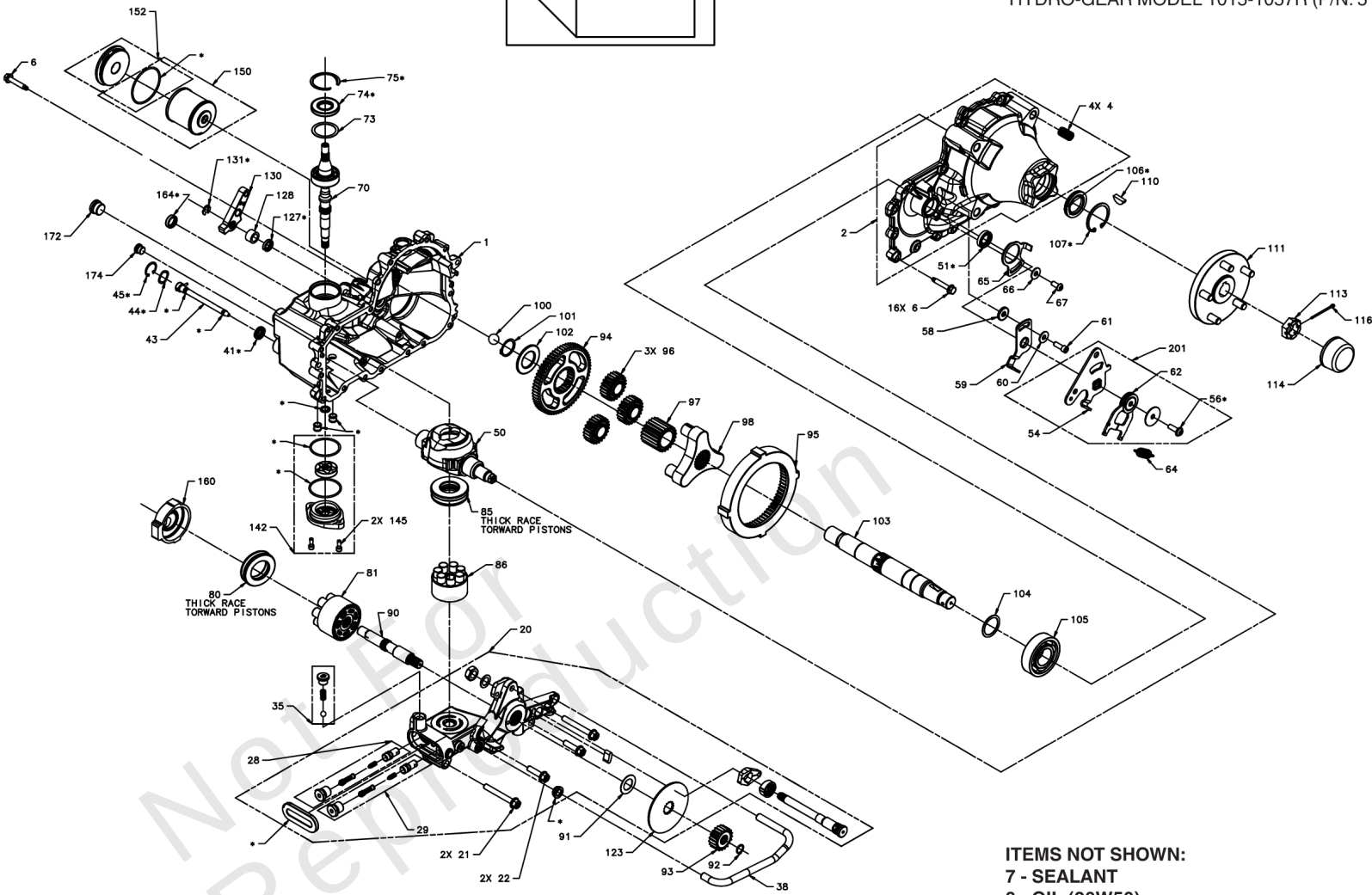
# Transaxle SERVICE PARTS - ZT5400

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5901569



**HYDRO-GEAR MODEL 1015-1014L (P/N: 5101988)**  
HYDRO-GEAR MODEL 1015-1014R (P/N: 5101987)  
HYDRO-GEAR MODEL 1015-1017L (P/N: 5102254)  
HYDRO-GEAR MODEL 1015-1017R (P/N: 5102253)  
HYDRO-GEAR MODEL 1015-1024L (P/N: 5102870)  
HYDRO-GEAR MODEL 1015-1024R (P/N: 5102871)  
HYDRO-GEAR MODEL 1015-1057L (P/N: 5103964)  
HYDRO-GEAR MODEL 1015-1057R (P/N: 5103963)



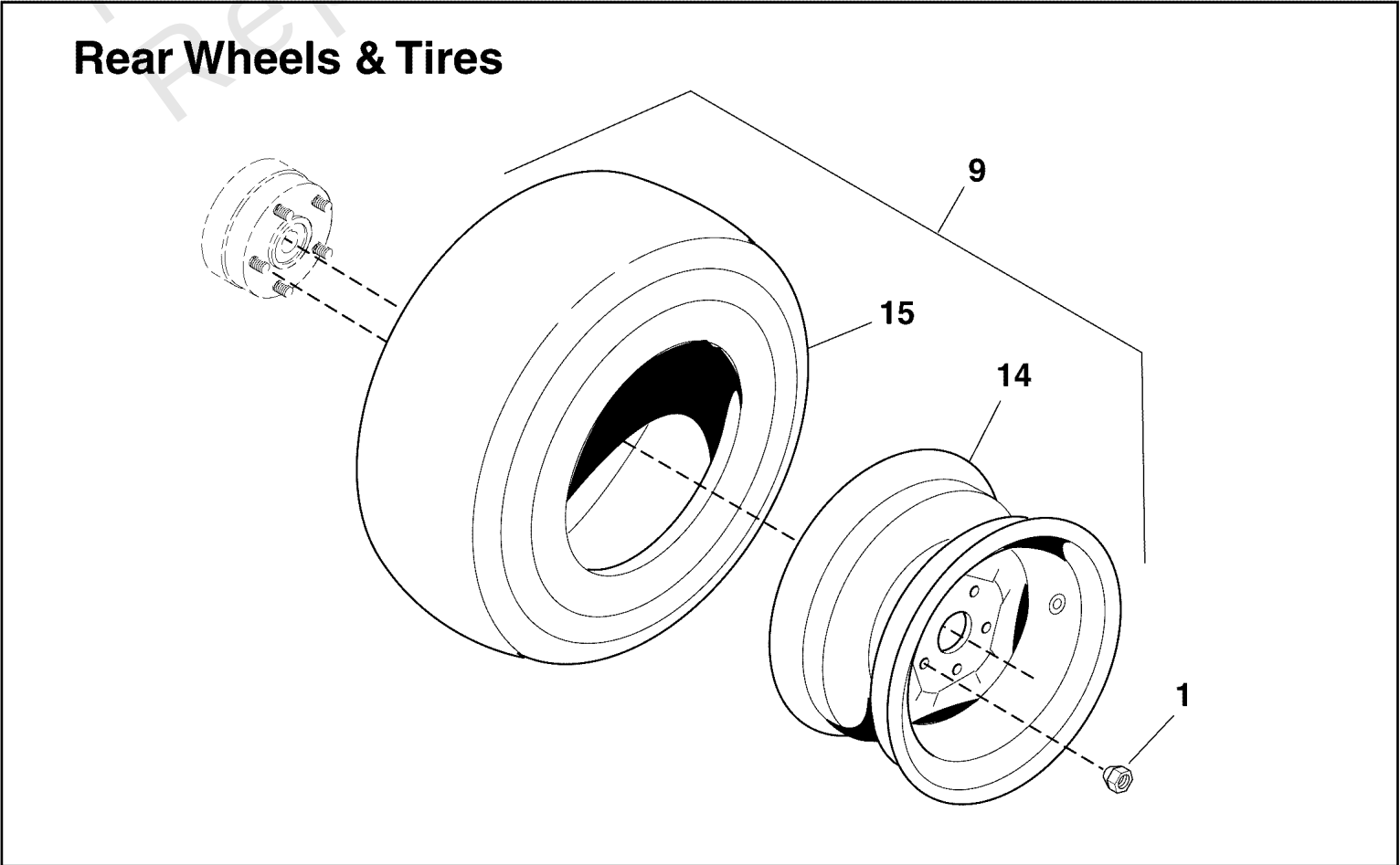
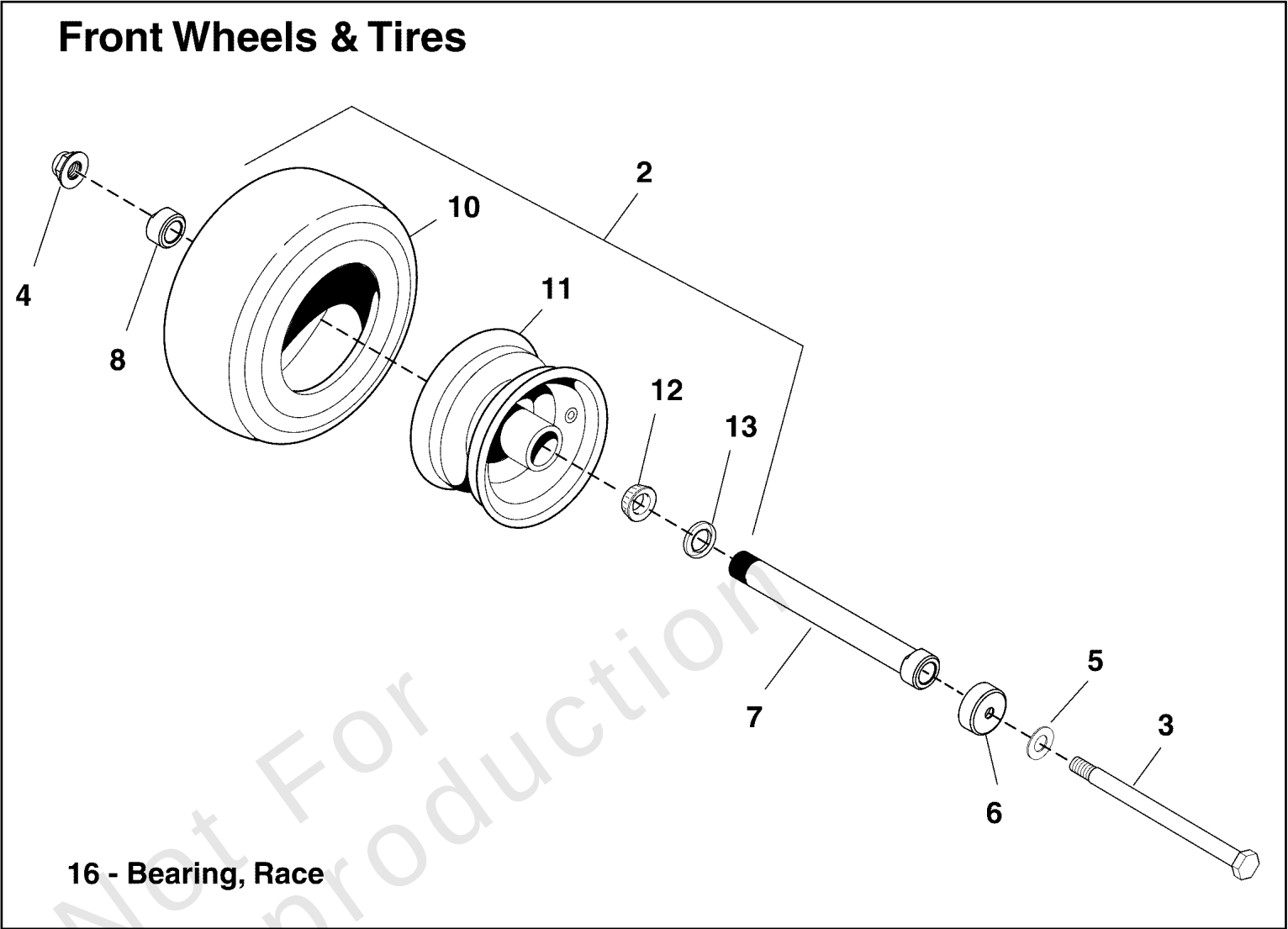
**ITEMS NOT SHOWN:**  
7 - SEALANT  
8 - OIL (20W50)  
200 - SEAL KIT (\*) PARTS INCLUDED IN SEAL KIT

## Transaxle SERVICE PARTS - ZT5400

| REF NO | PART NO     | QTY | DESCRIPTION                                                                                                                            |
|--------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------|
| 114    | 5101987X5YP | 1   | Axle Cap (SV)<br>-(Hydro-Gear P/N 53724)                                                                                               |
| 150    | 5101987X2YP | 1   | Kit, Filter (SV)<br>-(Hydro-Gear P/N 71943)                                                                                            |
| 200    | 84009762    | 1   | KIT, SEAL<br>-(Hydro-Gear P/N 71945)                                                                                                   |
| 51     | 84003309    | 1   | KIT, CONTROL ARM SEAL<br>-(Hydro-Gear P/N 55526)                                                                                       |
| 64     | 1735483SM   | 1   | SPRING, Extension<br>-(Hydro-Gear P/N 52401)                                                                                           |
| 70     | 84003310    | 1   | KIT, INPUT SHAFT (BEARING AND SHAFT ONLY)<br>-(Hydro-Gear P/N 71941)                                                                   |
| 74     | 84003311    | 1   | KIT, INPUT SEAL<br>-(Hydro-Gear P/N 51280)                                                                                             |
| 106    | 84003314    | 1   | KIT, AXLE SEAL<br>-(Hydro-Gear P/N 53008)                                                                                              |
| 111    | 84003312    | 1   | ASSM, HUB, STANDARD AXLE TRANSMISSIONS (ZT5400)<br>-(Hydro-Gear P/N 72039)                                                             |
| 111    | 84003313    | 1   | ASSM, HUB, LONG AXLE TRANSMISSIONS (ZT5400)<br>-(Hydro-Gear P/N 72102)                                                                 |
| 127    | 84009095    | 1   | SEAL, SHAFT<br>-(Hydro-Gear P/N 55523)(Refer to Note: *)                                                                               |
| 1000   | 84009788    | 1   | KIT, TRANSAXLE SERVICE PARTS<br>-(Includes 10 Qts oil, 2 oil filters, 2 fittings, 2 vent hoses, 2 vent hose plugs, and 2 hose clamps.) |

### Footnotes:

Note: \*See F173 Service Bulletin/55949 HG Seal to ensure correct seal is being used.



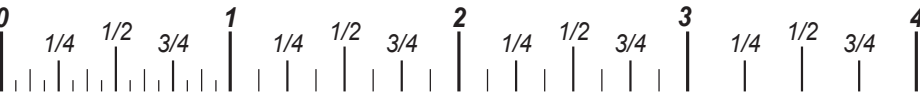
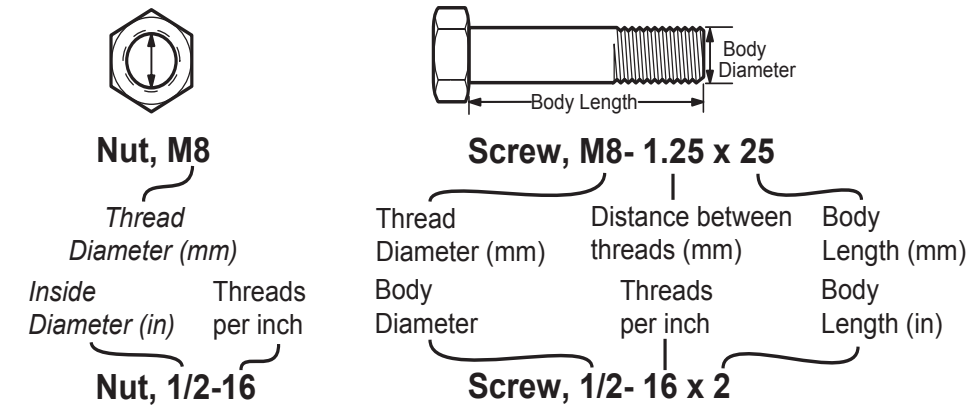
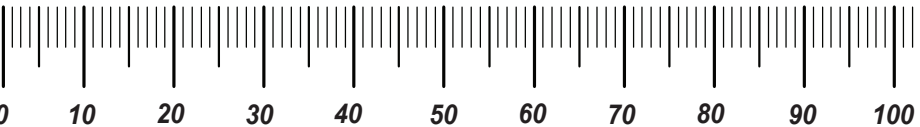
## Wheel & Tire Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                              |
|--------|------------|-----|--------------------------------------------------------------------------|
| 1      | 5020601    | 10  | NUT, 1/2-20, FOR WHEEL BOLT SILVER                                       |
| 2      | 5023136    | 2   | TIRE ASSM, 13 X 6.5 - 6, PNE / TB                                        |
| 3      | 5025017X72 | 2   | BOLT, 1/2-13 X 9 GD5 CZ                                                  |
| 4      | 5025396    | 2   | NUT, Hex Flange, Nylock, 1/2-13                                          |
| 5      | 5025158    | 2   | WASHER, 1/2 SAE                                                          |
| 6      | 5103594    | 4   | DEBRIS, COVER, CASTER WHEELS                                             |
| 7      | 5103649    | 2   | BEARING ADJUSTER, SPACER, 7.062 LG                                       |
| 8      | 5103650    | 2   | NUT, BEARING ADJUSTER, AXLE                                              |
| 9      | 5104380    | 2   | TIRE/WHEEL ASM, 26X12.00-12, TURF SMART<br>-(S/N: 4000798695 and below)  |
| 9      | 5108099    | 2   | TIRE WHEEL ASM, 26X12.00-12, MULTI-TRAC<br>-(S/N: 4000798696 and above)  |
| 10     | 5022577    | 2   | TIRE, RUBBER ONLY                                                        |
| 11     | 5023136X1  | 2   | WHEEL ASSEMBLY, FOR 13 X 6.5 X 6 TIRES (INCLUDES BEARING AND SEALS)      |
| 12     | 5022631SX2 | 4   | BEARING, Tapered Roller<br>-(2 per tire)                                 |
| 13     | 5022631SX3 | 4   | SEAL, GREASE<br>-(2 per tire)                                            |
| 14     | 5104380X1  | 2   | WHEEL, 12 X 9.5, SOLD, 4.063" OFFSET (SV)                                |
| 15     | 5104380X2  | 2   | TIRE, TURF SMART, 26X12.00-12 4 PLY (SV)<br>-(S/N: 4000798695 and below) |
| 15     | 84003893   | 2   | TIRE, 26 X 12 - 12<br>-(S/N: 4000798696 and above)                       |
| 16     | 5022631SX4 | 2   | BEARING, RACE<br>-(Not illustrated)                                      |

# 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).

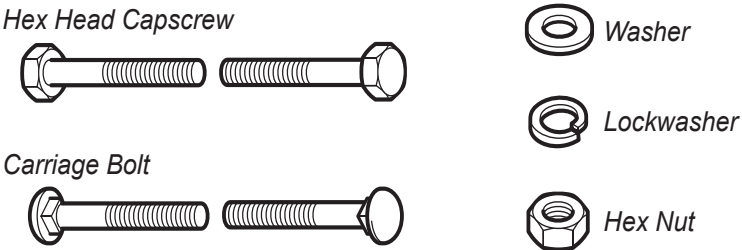
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

