

# Parts Manual

Mfg. No: 5601570  
52" iCD TURBO-Pro Max; 3-Bag Grass  
Collection System (IS2100Z/ISX2200)



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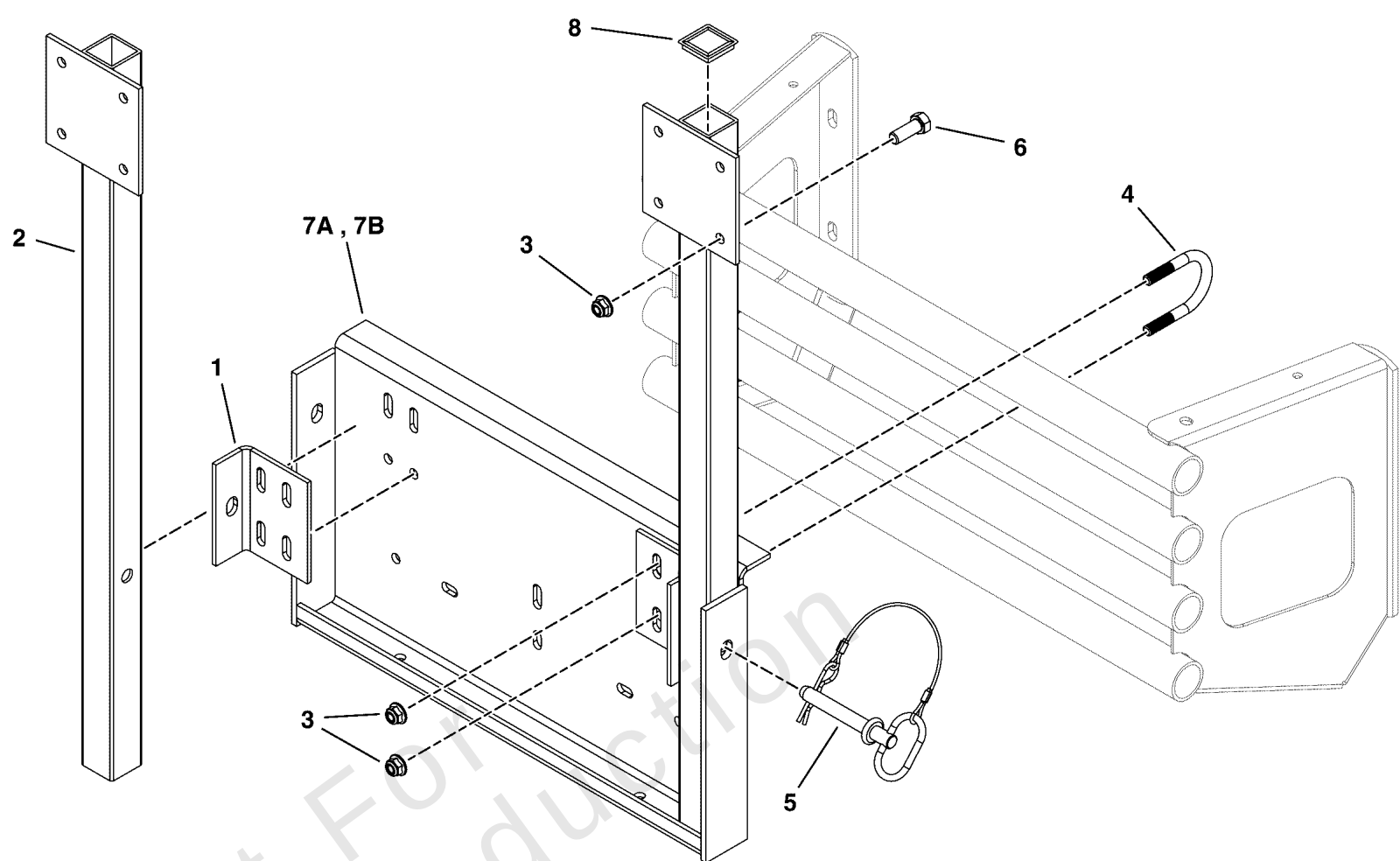
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2-Bag & 3-Bag Mount Group - Soft Top System

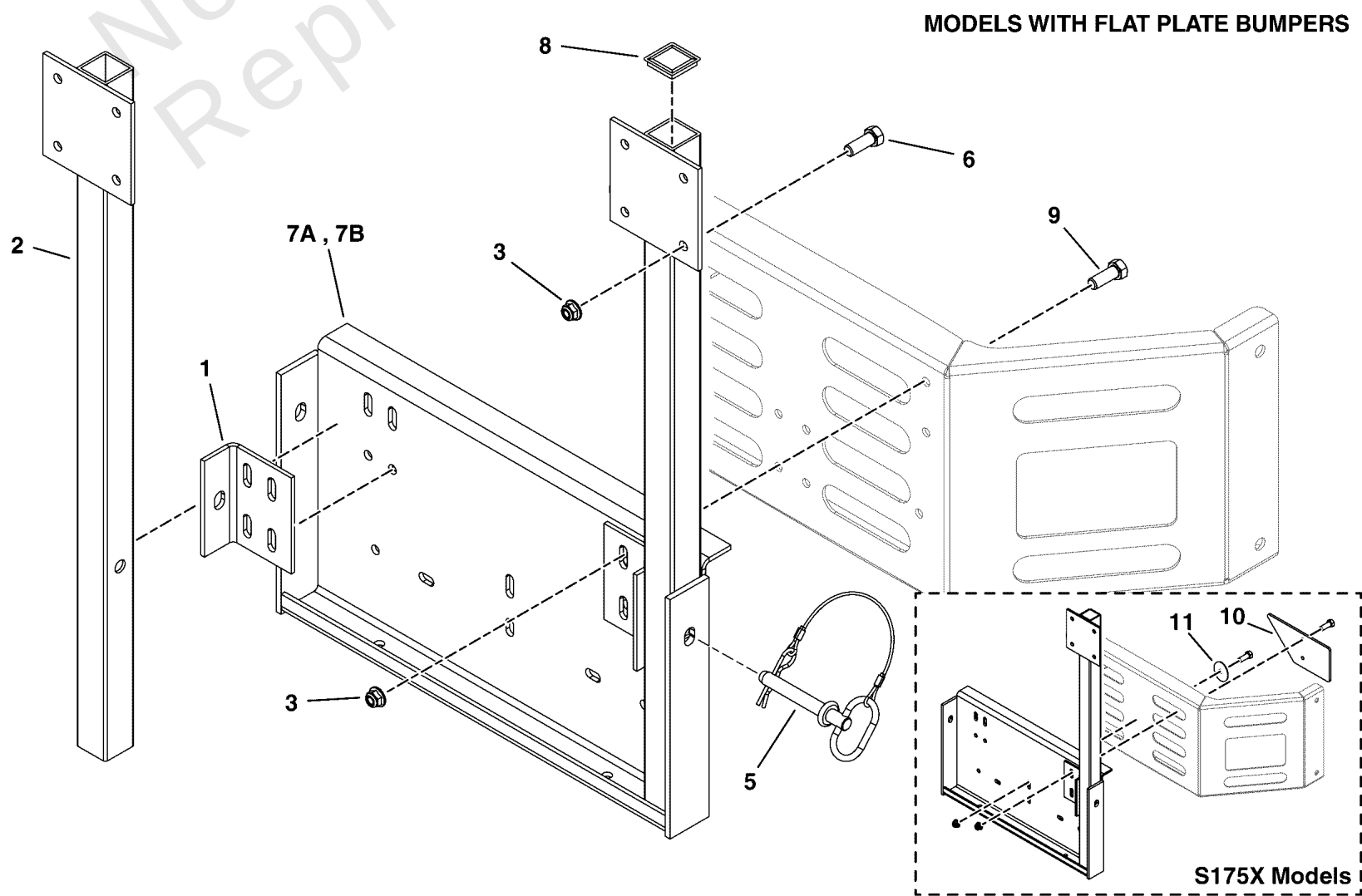
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

5300019



MODELS WITH ROUND TUBE BUMPERS



MODELS WITH FLAT PLATE BUMPERS

## 2-Bag & 3-Bag Mount Group - Soft Top System

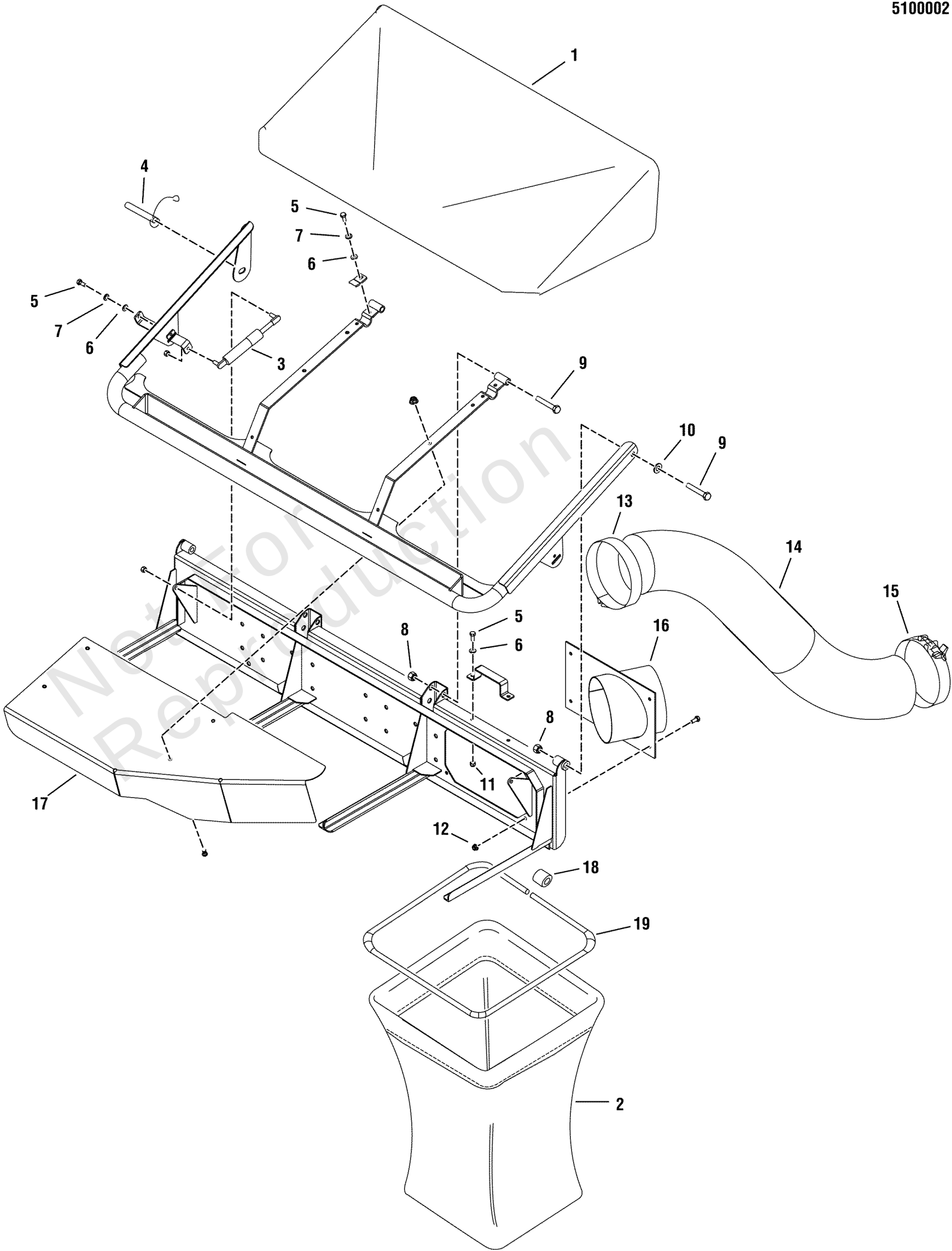
| REF NO | PART NO     | QTY | DESCRIPTION                                         |
|--------|-------------|-----|-----------------------------------------------------|
| 1      | 5402665A    | 2   | MOUNT, TAB, BLACK                                   |
| 2      | 5400043A    | 2   | WELD, MOUNT, POST - BLK                             |
| 3      | 5025394     | 14  | NUT, 3/8-16 HEX NYLOCK FLANGE                       |
| 4      | 5100009     | 3   | U-BOLT, 3/8 X 1-1/4                                 |
| 5      | 5100013     | 2   | PIN, HITCH, .50 X 3.25 W/ LAY                       |
| 6      | 5025013X8   | 8   | BOLT, 3/8-16 X 1" GD5 CZ                            |
| 7A     | 5408631A    | 1   | WELD, BAGGER MOUNT, 2 BAG - BLK<br>-(2-Bag Systems) |
| 7B     | 5422549AAFS | 1   | MOUNT, BAGGER<br>-(3-Bag Systems)                   |
| 8      | 5022848     | 2   | CAP, PLASTIC, 1-1/2" X 1-1/2                        |
| 9      | 5025013X10  | 6   | BOLT, 3/8-16 X 1-1/4" GD5 CZ                        |
| 10     | 5407783A    | 2   | PLATE, SUPPORT, BAGGER MOUNT - BLK                  |
| 11     | 5025326     | 1   | WASHER, .39 X 2.00 X X .14                          |

3-Bag Catcher & Cover Group - Soft Top System

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

5100002



### 3-Bag Catcher & Cover Group - Soft Top System

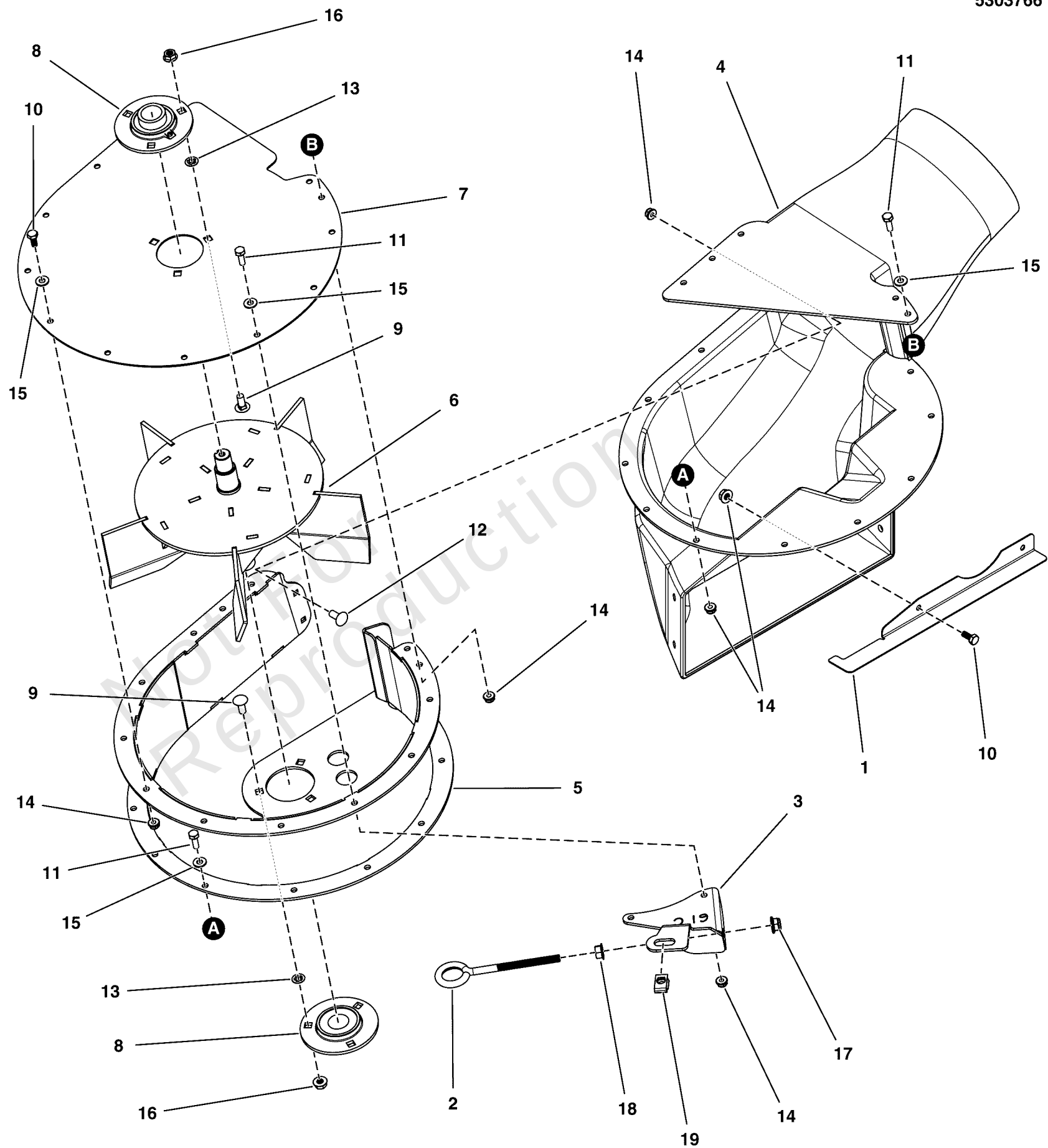
| REF NO | PART NO    | QTY | DESCRIPTION                    |
|--------|------------|-----|--------------------------------|
| 1      | 5100154    | 1   | 3 BAG AIR DOME                 |
| 2      | 5100150    | 3   | CATCHER BAG W/ HANDLE          |
| 3      | 5100152    | 2   | GAS CYLINDER                   |
| 4      | 5100151    | 1   | DETENT PIN W/ LANYARD          |
| 5      | 5025011X6  | 14  | BOLT, 5/16-18 X 3/4 GD5        |
| 6      | 5025155    | 10  | WASHER, 5/16" SAE              |
| 7      | 5025170    | 6   | WASHER, 5/16 LOCK CZ           |
| 8      | 5025056    | 4   | NUT, 1/2-13 HEX NYLON LOCK     |
| 9      | 5025018X24 | 4   | BOLT, 1/2-20 X 3" GD5          |
| 10     | 5025158    | 2   | WASHER, 1/2 SAE                |
| 11     | 5025057    | 4   | NUT, 5/16-18 HEX NYLON LOCK    |
| 12     | 5025392    | 4   | NUT, 5/16-18 HEX NYLOCK FLANGE |
| 13     | 5022875    | 1   | CLAMP, HOSE, UPPER             |
| 14     | 5103646    | 1   | HOSE, FLEXIBLE, 7" DIA. X 58"  |
| 15     | 5022876    | 1   | CLAMP, HOSE, LOWER             |
| 16     | 5400145A   | 1   | WELD, INLET BLOWER 3-BAG BLACK |
| 17     | 5400197A   | 1   | BAFFLE                         |
| 18     | 5100730    | 1   | BAG FRAME CONNECTOR, PLASTIC   |
| 19     | 5100729    | 1   | BAG FRAME                      |

**Blower Group, TURBO-Pro MAX S/N: 11/03/2021 and Earlier**

Note: Unless noted otherwise, use the standard torque specifications

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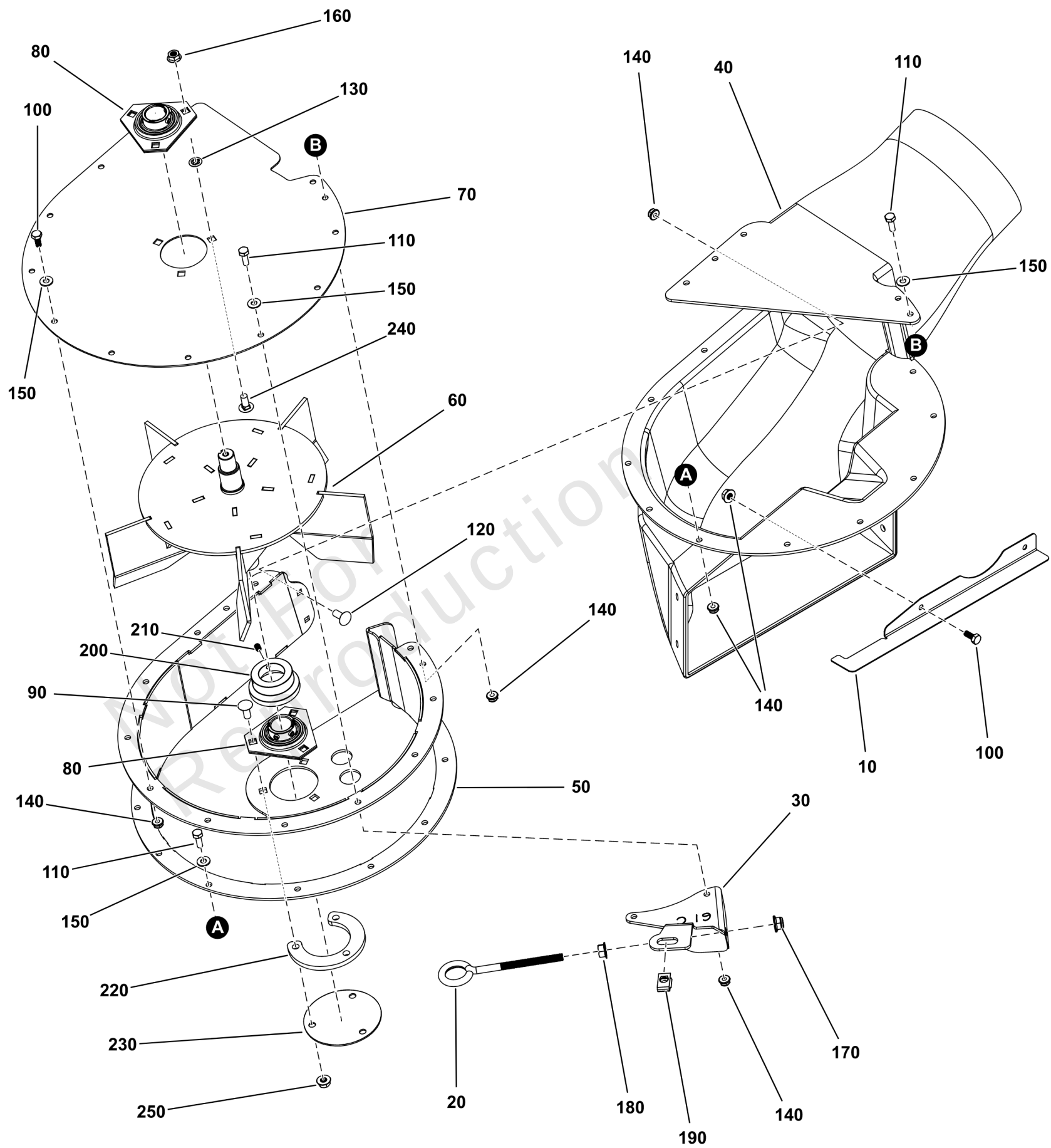
**Blower Group, TURBO-Pro MAX S/N: 11/03/2021 and Earlier**

| REF NO | PART NO   | QTY | DESCRIPTION                                  |
|--------|-----------|-----|----------------------------------------------|
| 1      | 5412471AA | 1   | BRACKET, ADAPTER SEAL, COM BLOWER - BLK      |
| 2      | 5021812   | 1   | EYE BOLT, 3/8-16 X 6, 3THRD, 1EYE, CZ        |
| 3      | 5411115AA | 1   | WELD, SPRING ANCHOR, COM - BLK               |
| 4      | 5103816   | 1   | MOLDED HOUSING, COMMERCIAL TURBO VAC         |
| 5      | 5411079AA | 1   | WELD, FAN CAGE, BLOWER - BLK                 |
| 6      | 5601360   | 1   | KIT, T-MAX FAN UPDATE                        |
| 7      | 5411077AA | 1   | PLATE, FAN, TOP - BLK                        |
| 8      | 7100021SM | 2   | BEARING, FLANGE, 1" Bore                     |
| 9      | 5025145X6 | 6   | BOLT, 5/16-18 X 3/4, CARRIAGE                |
| 10     | -----     | 8   | HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR        |
| 11     | 5025010X6 | 18  | BOLT, 1/4-20 X 3/4 GD5 CZ                    |
| 12     | 80003518  | 2   | BOLT, 1/4-20X0.750, GR5, STD NECK, SQ, ZC/CL |
| 13     | 5025498   | 6   | 5/16 PUSH-ON NUT RETAINER, STL, CZ           |
| 14     | 5025391   | 28  | NUT, 1/4-20 HEX NYLOCK FLANGE                |
| 15     | 5025154   | 26  | WASHER, 1/4 SAE                              |
| 16     | 5025127   | 6   | NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)     |
| 17     | 5025394   | 1   | NUT, 3/8-16 HEX NYLOCK FLANGE                |
| 18     | 5025128   | 1   | NUT, 3/8-16 HEX SERRATED FLANGE              |
| 19     | 5022308   | 1   | BODY CLIP, 5/16-18-7GA MATERIAL              |

**Blower Group, TURBO-Pro MAX S/N: 11/04/2021 and Later**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570



**Blower Group, TURBO-Pro MAX S/N: 11/04/2021 and Later**

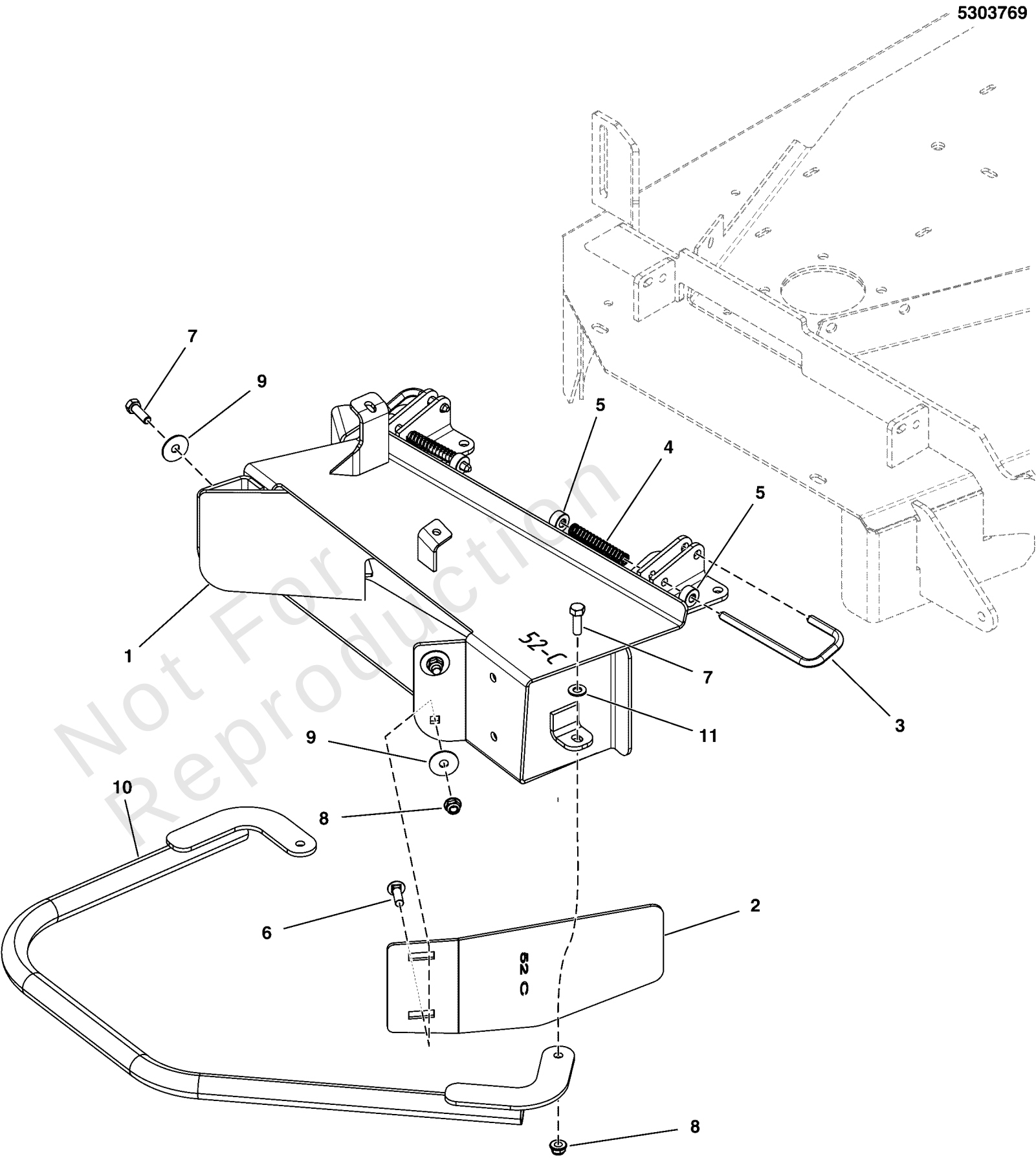
| REF NO | PART NO     | QTY | DESCRIPTION                                                                                                       |
|--------|-------------|-----|-------------------------------------------------------------------------------------------------------------------|
| 10     | 5412471AA   | 1   | BRACKET, ADAPTER SEAL, COM BLOWER - BLK                                                                           |
| 20     | 5021812SM   | 1   | EYE BOLT, 3/8-16 X 4-                                                                                             |
| 30     | 5411115AA   | 1   | WELD, SPRING ANCHOR, COM - BLK                                                                                    |
| 40     | 5103816FS   | 1   | HOUSING, BLOWER                                                                                                   |
| 50     | 5411079AA   | 1   | WELD, FAN CAGE, BLOWER - BLK                                                                                      |
| 60     | 84007864    | 1   | IMPELLER                                                                                                          |
| 70     | 5411077AA   | 1   | PLATE, FAN, TOP - BLK                                                                                             |
| 80     | 5110099FS   | 2   | BEARING, FLANGE<br>-(Torque set screws to 87 in-lbs (9.8 Nm). Use Loctite 271 Threadlocker on threads).           |
| 90     | 5025145X8SM | 3   | BOLT, 5/16-18 X 1", C                                                                                             |
| 100    | 5025010X8SM | 7   | BOLT, 1/4-20 X 1", GD                                                                                             |
| 110    | 5025010X6SM | 17  | BOLT, 1/4-20 X 3/4" G                                                                                             |
| 120    | 703575      | 2   | BOLT, 1/4-20X.750, SQ                                                                                             |
| 130    | 5025498YP   | 3   | NUT, PUSH ON, 5/16                                                                                                |
| 140    | 5025391FS   | 26  | NUT                                                                                                               |
| 150    | 703332      | 24  | WASHER                                                                                                            |
| 160    | 5025127SM   | 3   | NUT, 5/16-18 HEX SERR                                                                                             |
| 170    | 5025394SM   | 1   | NUT, 3/8-16 HEX NYLOCK                                                                                            |
| 180    | 5025128SM   | 1   | NUT, 3/8-16 HEX SERRA                                                                                             |
| 190    | 5022308SM   | 1   | BODY CLIP, 5/16-18 X                                                                                              |
| 200    | 84008050    | 1   | GUARD                                                                                                             |
| 210    | 5110109     | 2   | SET SCREW, 1/4-20 X 3/8, KNURLED CUP<br>-(Torque to 87 in-lbs (9.8 Nm). Use Loctite 271 Threadlocker on threads). |
| 220    | 5422390AA   | 1   | PLATE, C-SHAPED SPACER, TMAX - BLK                                                                                |
| 230    | 5422388AA   | 1   | PLATE, INNER COVER, TMAX - BLK                                                                                    |
| 240    | 703185      | 3   | BOLT, Round Head, Short Square Neck                                                                               |
| 250    | 5025392FS   | 3   | NUT                                                                                                               |

**Blower Mount Group - 52" Mower Decks, TURBO-Pro MAX**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

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### ***Blower Mount Group - 52" Mower Decks, TURBO-Pro MAX***

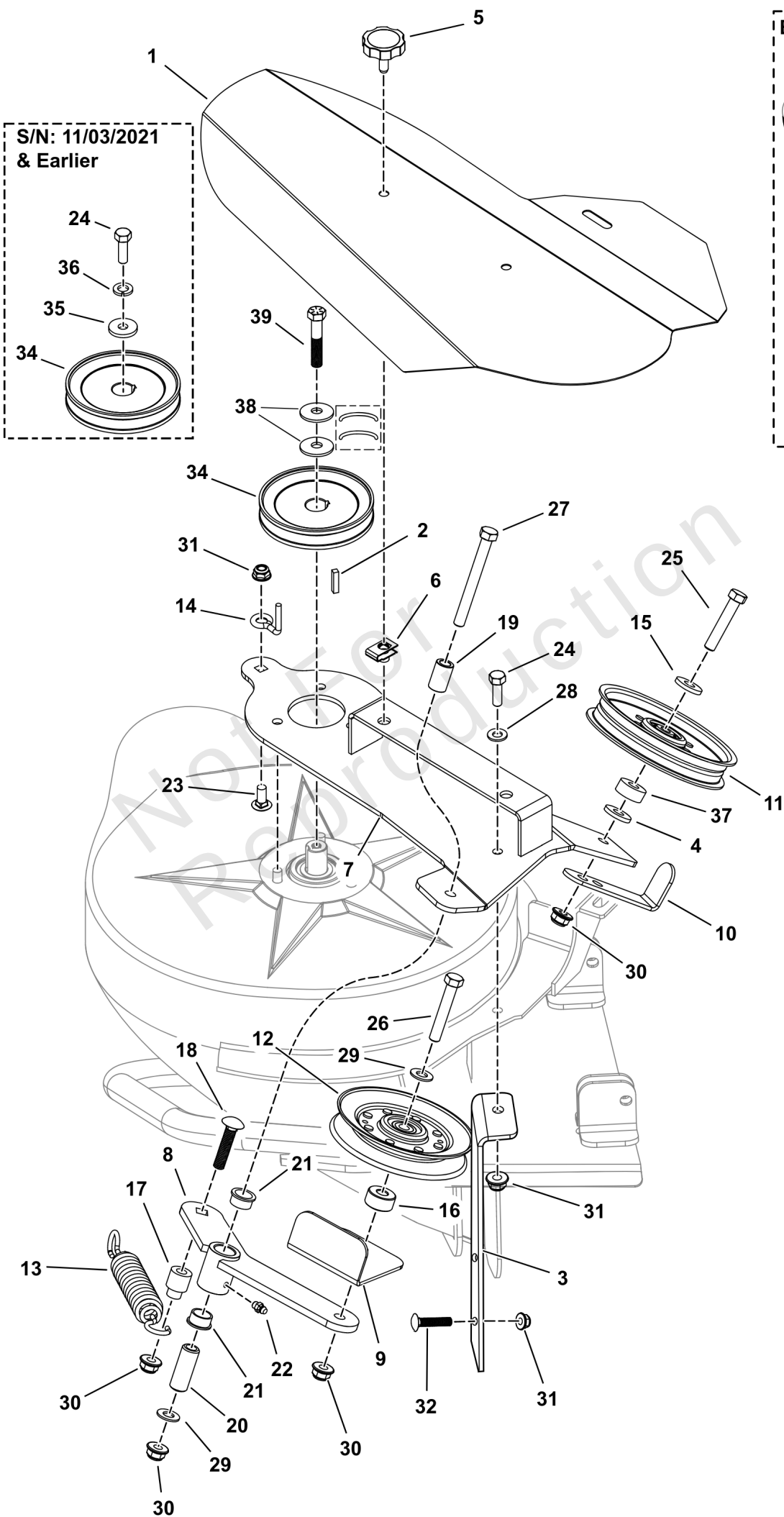
| REF NO | PART NO   | QTY | DESCRIPTION                           |
|--------|-----------|-----|---------------------------------------|
| 1      | 84008099  | 1   | ADAPTER                               |
| 2      | 84008100  | 1   | PLATE, Baffle                         |
| 3      | 5104203   | 2   | ROD, LOCKING PIN, BLOWER              |
| 4      | 5020637   | 2   | SPRING-COMP, .375IDX2.75LGX.054WR, SS |
| 5      | 5020047   | 4   | COLLAR, 5/16 SET                      |
| 6      | 5025145X8 | 2   | BOLT, 5/16-18 X 1, CARRIAGE           |
| 7      | 5025011X8 | 5   | BOLT, 5/16-18 X 1 GD5 CZ              |
| 8      | 5025392   | 5   | NUT, 5/16-18 HEX NYLOCK FLANGE        |
| 9      | 5025164   | 4   | WASHER, 5/16 FENDER                   |
| 10     | 84008101  | 1   | BAR                                   |
| 11     | 5025155   | 4   | WASHER, 5/16" SAE                     |

Blower Pulley Group, TURBO-Pro MAX

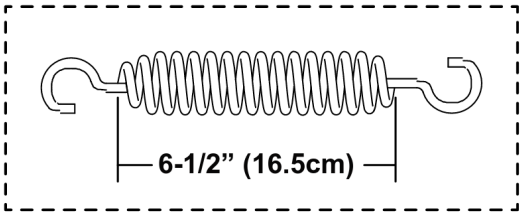
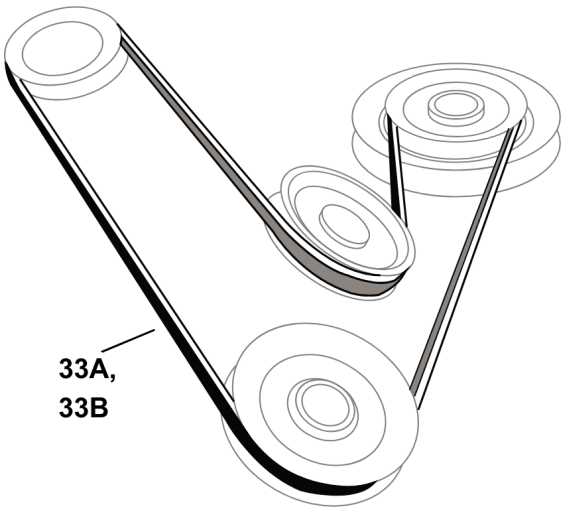
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

5303767



BLOWER DRIVE BELT ROUTING



## Blower Pulley Group, TURBO-Pro MAX

| REF NO | PART NO    | QTY | DESCRIPTION                                                                  |
|--------|------------|-----|------------------------------------------------------------------------------|
| 1      | 5600740    | 1   | HOOD W/ DECALS - TURBO PRO-MAX                                               |
| 2      | 5050403X4  | 1   | KEY, 3/16" SQ. X 3/4                                                         |
| 3      | 5411116AFS | 1   | SUPPORT<br>-(Date of Manufacture: Before 11/02/2021)                         |
| 3      | 5422421AA  | 1   | BRACKET, PLATE SUPPORT, TMAX-BLK<br>-(Date of Manufacture: After 11/03/2021) |
| 4      | 5025165    | 1   | WASHER, 3/8" Fender                                                          |
| 5      | 5101731    | 3   | KNOB, 5/16-18 X 1.00, ROSETTE BLACK                                          |
| 6      | 5022308    | 2   | BODY CLIP, 5/16-18-7GA MATERIAL                                              |
| 7      | 5412606    | 1   | ASSEMBLY, PULLEY PLATE, T-MAX (52,60,61)                                     |
| 8      | 5409892    | 1   | ASSEMBLY, IDLER ARM - TURBO-VAC<br>-(Includes Bushings and Fitting)          |
| 9      | 5409609AA  | 1   | RETAINER, BELT, WIDE - BLK                                                   |
| 10     | 5409610AA  | 1   | RETAINER, BELT<br>-(Refer to Note: *)                                        |
| 11     | 1725408    | 1   | PULLEY-IDLER 04.00 OD 0.378ID 1.06 W BRG                                     |
| 12     | 5103456    | 1   | PULLEY-IDLER-V, 4.85OB, .38ID                                                |
| 13     | 5022847    | 1   | SPRING-EXT, 1.04 ODX6.935LGX.148WR, BLK                                      |
| 14     | 5103488    | 1   | BELT KEEP, .19 X 1.25 - BK                                                   |
| 15     | 80003616   | 1   | WSHR,.406X1.0X.134,FLT,TYPE A,ZINC/CLEAR                                     |
| 16     | 5046860    | 1   | SPACER, .39 X 1.00 X .50, PM, CZ                                             |
| 17     | 1706644    | 1   | SPACER,3/8X3/4X15/16                                                         |
| 18     | 80004559   | 1   | BOLT,3/8-16X1.750,SHORT NECK CRRG,ZC/CL                                      |
| 19     | 5101933    | 1   | SPACER, .39 X .63 X 1.00, YZ                                                 |
| 20     | 5102322    | 1   | SPACER, .38 X .625 X 1.62, YZ                                                |
| 21     | 1676148    | 2   | BUSHING-0.628IDX0.751ODX0.400LG PWDR MTL                                     |
| 22     | 5020095    | 1   | GREASE FITTING, 1/4-28 Straight                                              |
| 23     | 5025145X6  | 1   | BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ                                       |
| 24     | 5025011X8  | 1   | BOLT, 5/16-18 X 1" GRD5 YZ<br>-(Qty: 2 - S/N: 11/03/2021 and Earlier)        |
| 25     | 5025013X14 | 1   | BOLT, 3/8-16 X 1-3/4" GD5 CZ                                                 |
| 26     | 5025013X18 | 1   | BOLT, 3/8-16 X 2-1/4" GD5 CZ                                                 |
| 27     | 5025013X28 | 1   | BOLT, 3/8-16 X 3-1/2" GD5 CZ                                                 |
| 28     | 5025155    | 1   | WASHER, 5/16" SAE                                                            |
| 29     | 5025156    | 2   | WASHER, 3/8 SAE                                                              |
| 30     | 5025394    | 4   | NUT, 3/8 - 16 HEX NYLOCK FLANGE                                              |
| 31     | 5025392    | 4   | NUT, 5/16-18 HEX NYLOCK FLANGE NUT                                           |
| 32     | 5025145X8  | 2   | BOLT, 5/16-18 X 1, CARRIAGE, GD5, CZ                                         |
| 33A    | 5104289    | 1   | BELT, A SEC, 81.1"EL, ARAMID, WRPD<br>-(52" Mower Decks)                     |
| 33B    | 84008031   | 1   | BELT<br>-(61" Mower Decks)                                                   |
| 34     | 5103836    | 1   | PULLEY, COMMERCIAL PRO                                                       |
| 35     | 1919381    | 1   | WASHER-0.312(0.34IDX1.00ODX.13THK)BLK<br>-(S/N: 11/03/2021 and Earlier)      |
| 36     | 5025170    | 1   | WASHER, 5/16 LOCK CZ<br>-(S/N: 11/03/2021 and Earlier)                       |
| 37     | 1667811    | 1   | SPACER-0.390ID 0.90 OD 0.34 LG P'MTL YEL                                     |
| 38     | 5106588    | 2   | BELLEVILLE WASHER, 1.187X.39X.089, SS<br>-(S/N: 11/04/2021 and Later)        |

### Footnotes:

Note: \*\*Torque to 50 ft-lbs (68 Nm)).

Note: \*The hole closest to the bend is for models with 44", 48" or 61" decks. The hole furthest from the bend is for models with 52" decks.

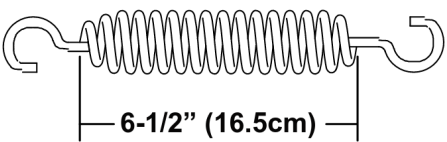
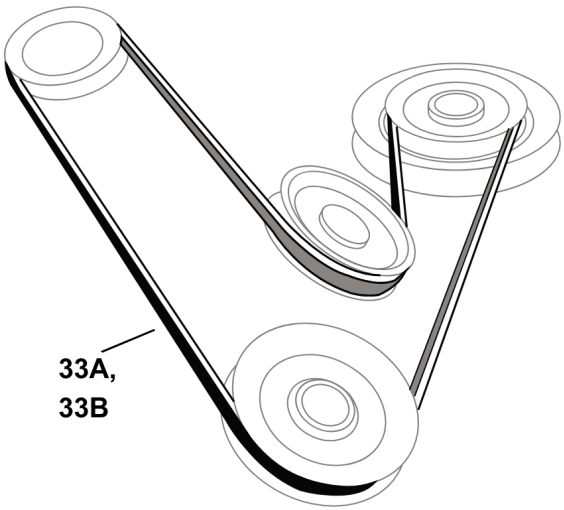
Blower Pulley Group, TURBO-Pro MAX

Note: Unless noted otherwise, use the standard torque specifications

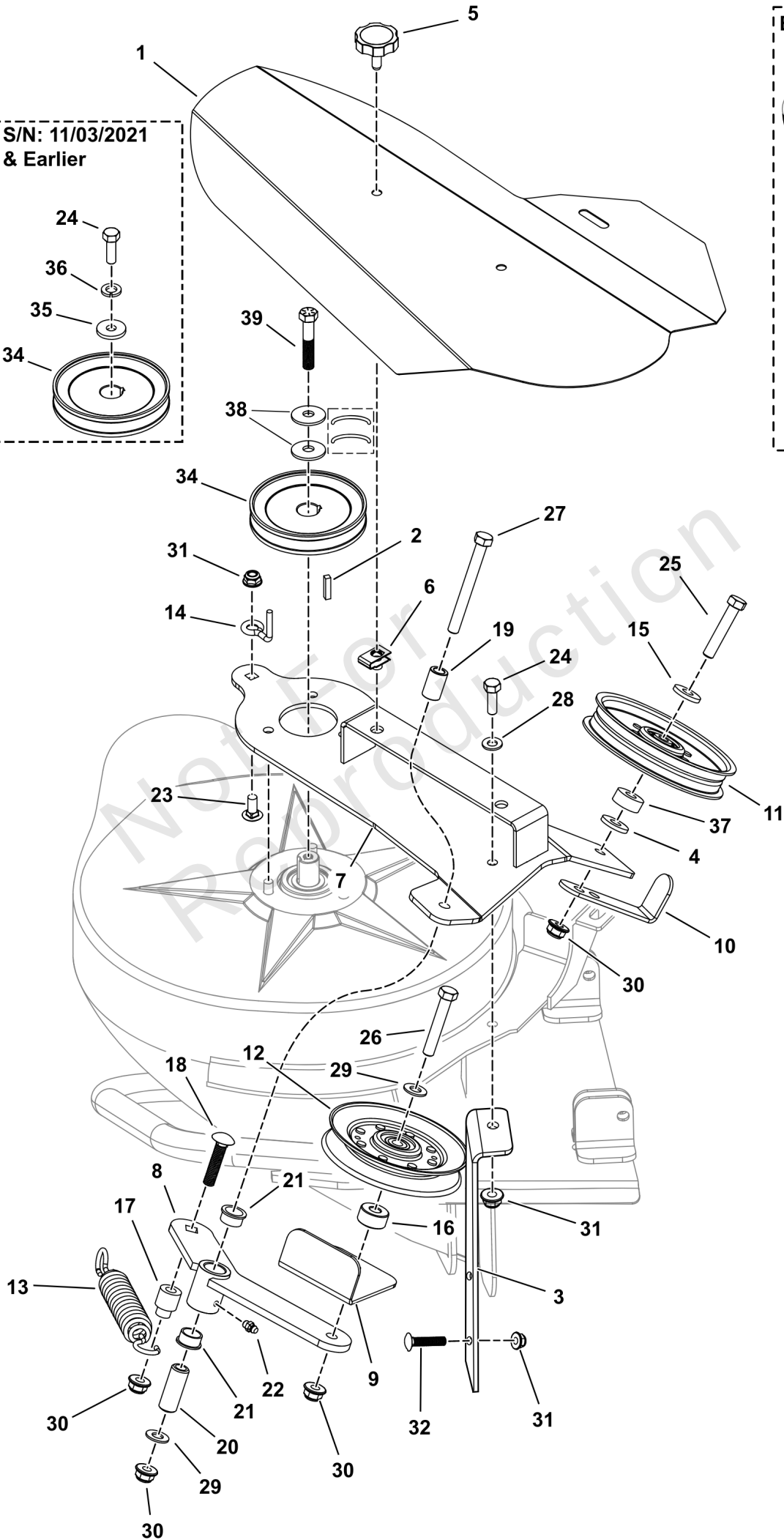
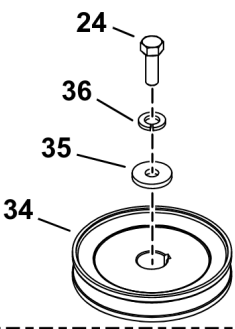
Mfg. No: 5601570

5303767

BLOWER DRIVE BELT ROUTING



S/N: 11/03/2021  
& Earlier



## ***Blower Pulley Group, TURBO-Pro MAX***

| REF NO | PART NO    | QTY | DESCRIPTION                                                                      |
|--------|------------|-----|----------------------------------------------------------------------------------|
| 39     | 5025676X16 | 1   | BOLT, 3/8-16 X 2.0, GD8, PHOS<br>-(S/N: 11/04/2021 and Later)(Refer to Note: **) |

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### **Footnotes:**

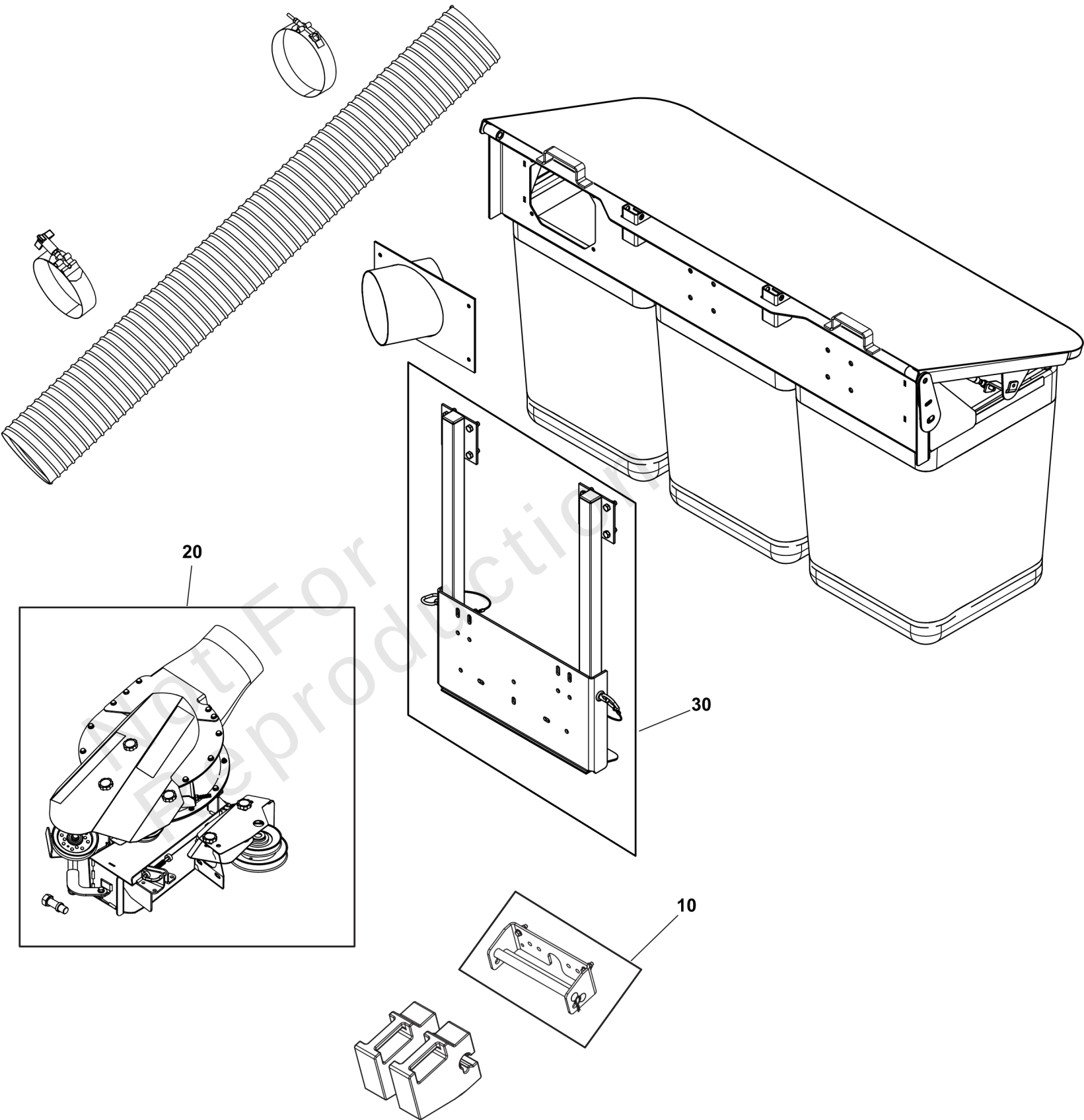
Note: \*\*Torque to 50 ft-lbs (68 Nm)).

Note: \*The hole closest to the bend is for models with 44", 48" or 61" decks. The hole furthest from the bend is for models with 52" decks.

Collection Sub Kits

Note: Unless noted otherwise, use the standard torque specifications

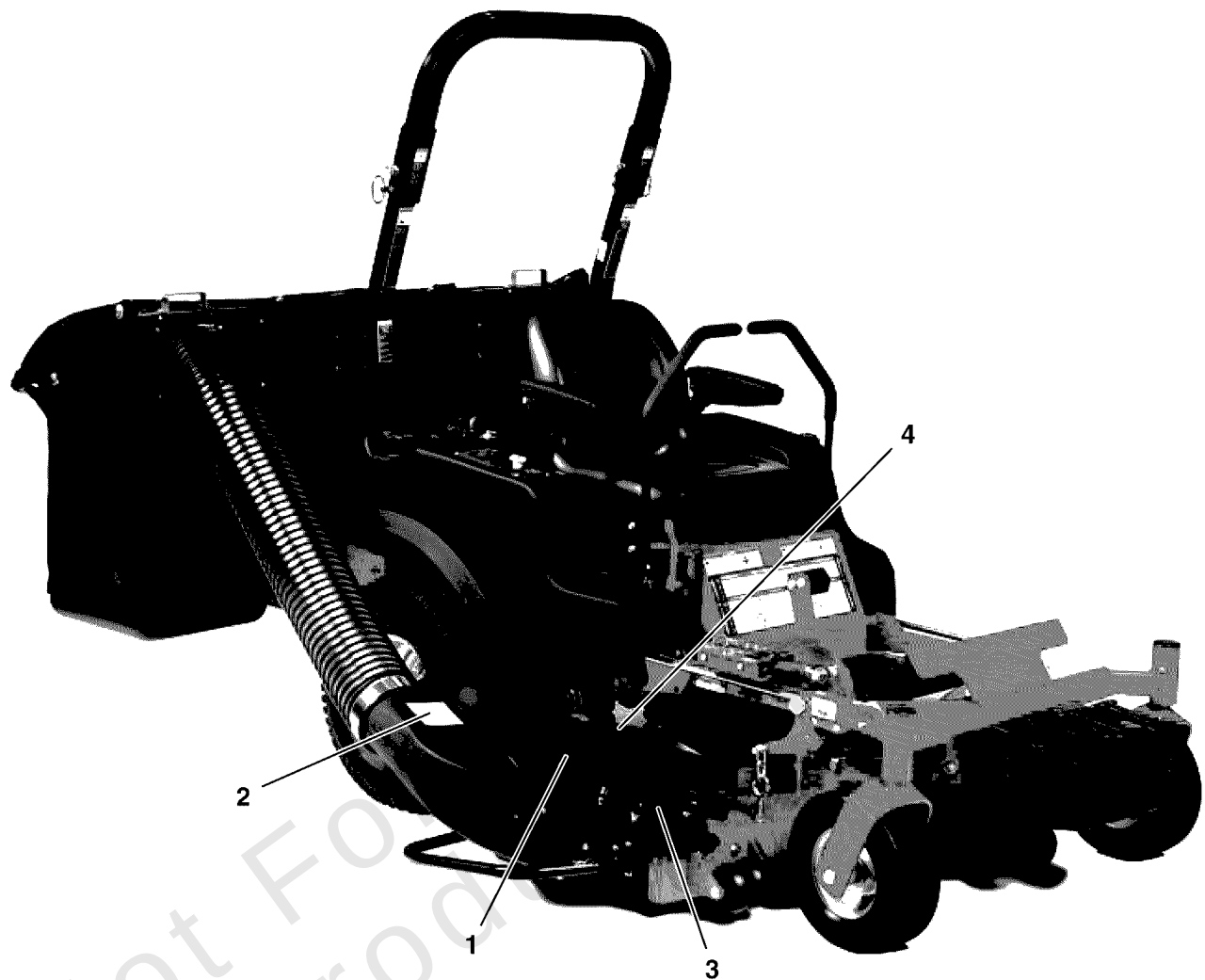
Mfg. No: 5601570



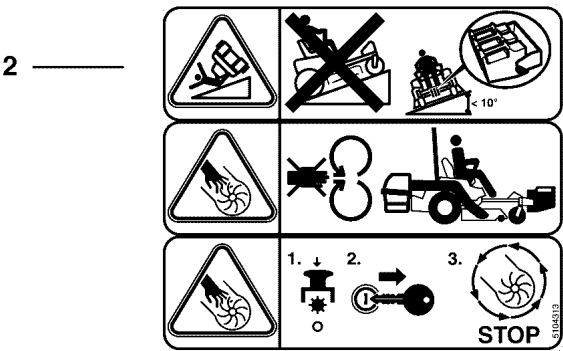
*Collection Sub Kits*

| REF NO | PART NO  | QTY | DESCRIPTION           |
|--------|----------|-----|-----------------------|
| 10     | 84008698 | 1   | MOUNT<br>-84008698    |
| 20     | 84008685 | 1   | KIT, BLOWER & ADAPTER |
| 30     | 84008705 | 1   | KIT, Collector Mount  |

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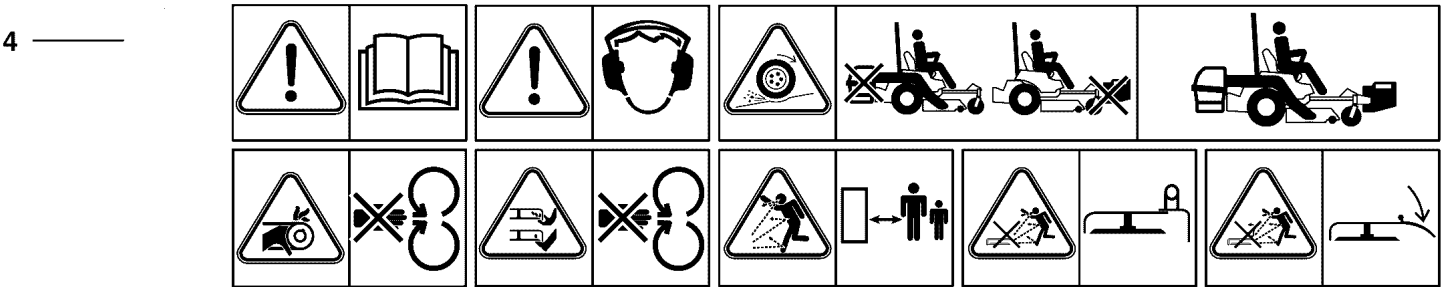
# 1 — **TURBO-Pro<sup>TM</sup> Max**



3 —

| Model Number: 5901335 |             |
|-----------------------|-------------|
| Blower Drive Belt     |             |
| Deck Size             | Part Number |
| 52"                   | 5104289     |
| 61"                   | 1721532     |

5104318



### ***Decal Group - TURBO Pro MAX Blowers***

| REF NO | PART NO | QTY | DESCRIPTION                       |
|--------|---------|-----|-----------------------------------|
| 1      | 5104285 | 1   | DECAL, TURBO PRO MAX              |
| 2      | 5104313 | 1   | DECAL, BLOWER, SMALL, ICONS       |
| 3      | 5104318 | 1   | DECAL, BELT, TURBO-PRO MAX        |
| 4      | 5104314 | 1   | DECAL, BLOWER, MAIN, LARGE, ICONS |

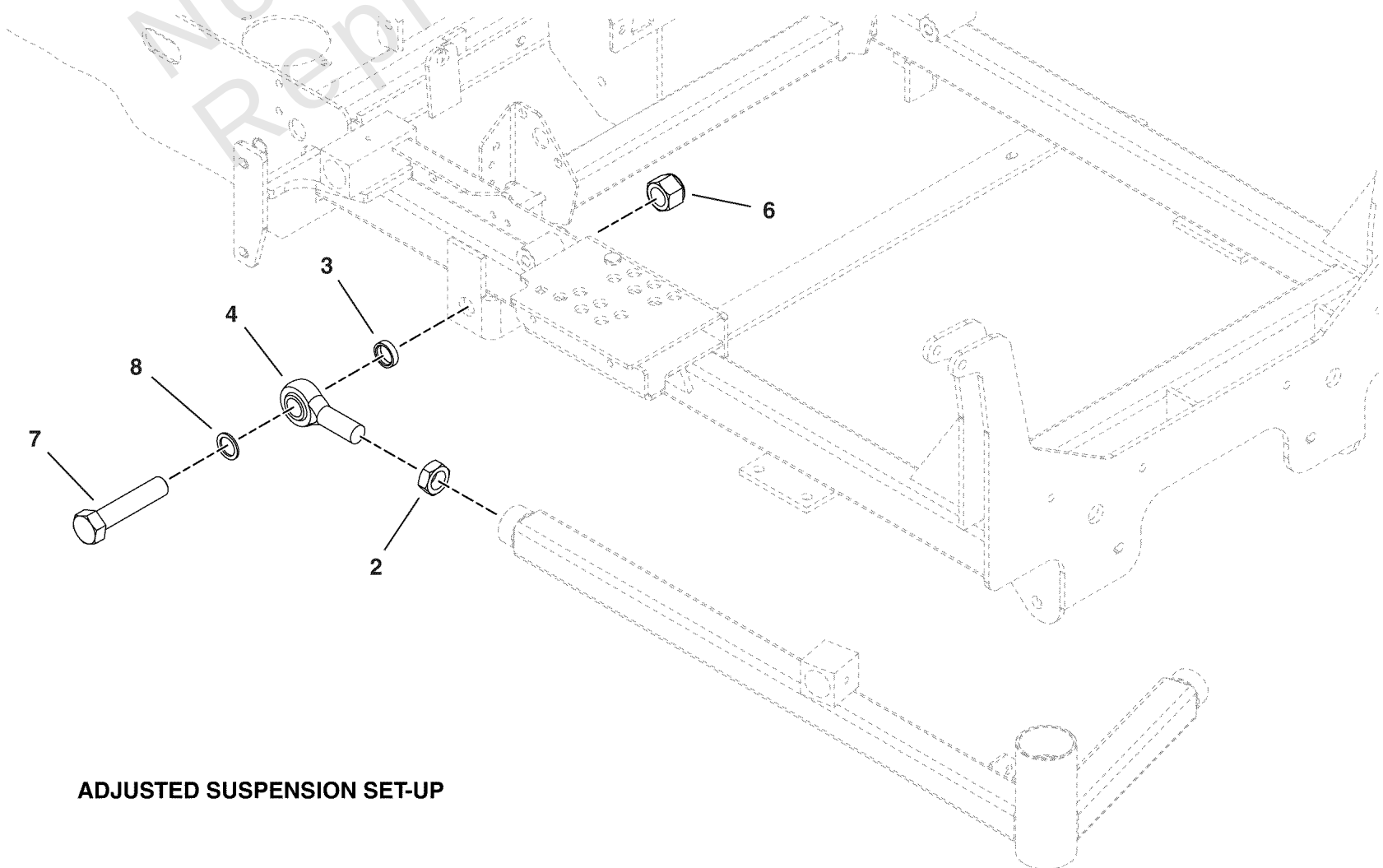
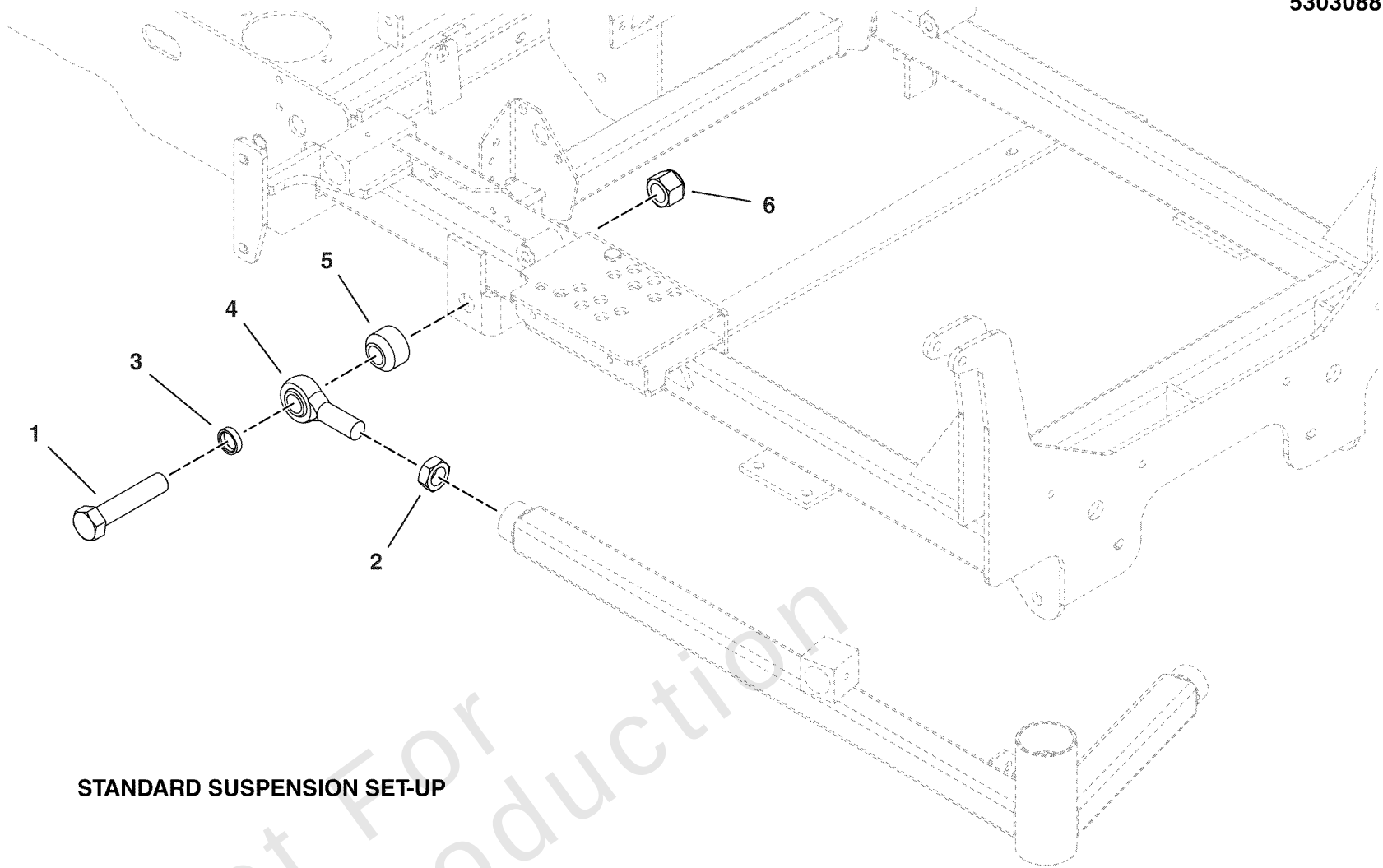
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**Front Suspension Adjustment**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

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### *Front Suspension Adjustment*

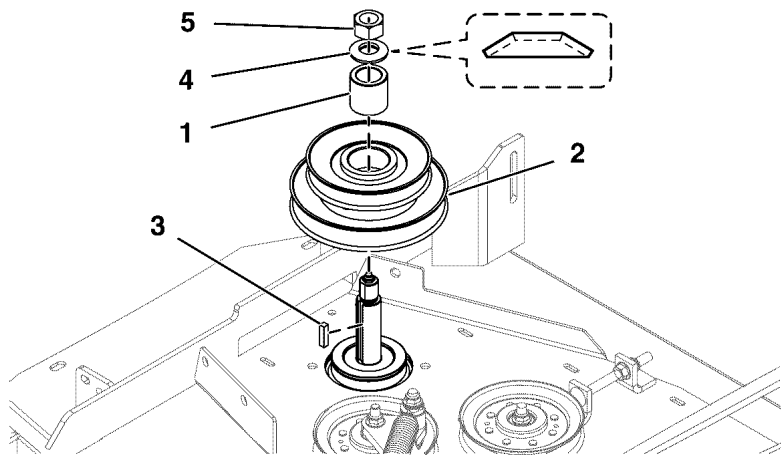
| REF NO | PART NO     | QTY | DESCRIPTION                              |
|--------|-------------|-----|------------------------------------------|
| 1      | 5025265X28  | 0   | BOLT, 3/4-16 X 3-1/2" YZ GD5             |
| 2      | 5025093     | 0   | NUT, Hex, Jam, 3/4-16                    |
| 3      | 5047461     | 1   | SPACER, .76 x 1.00 x .25                 |
| 4      | 5022039     | 0   | BALL JOINT, 3/4-16, MALE                 |
| 5      | 5046093     | 0   | SPACER, .75 X 1.50 X 1.00, CZ            |
| 6      | 5025284     | 0   | NUT, Hex, Nylon Lock, 3/4-16             |
| 7      | 5025265X20M | 1   | HEX BOLT, MODIFIED, 3/4-16 X 2.5 GD5, CZ |
| 8      | 1960114     | 1   | WASHER-0.750(0.76IDX1.06ODX.07THK) BLK   |

Mower Deck Guards & Spindle Pulley - 2-Belt Driven Mower Decks

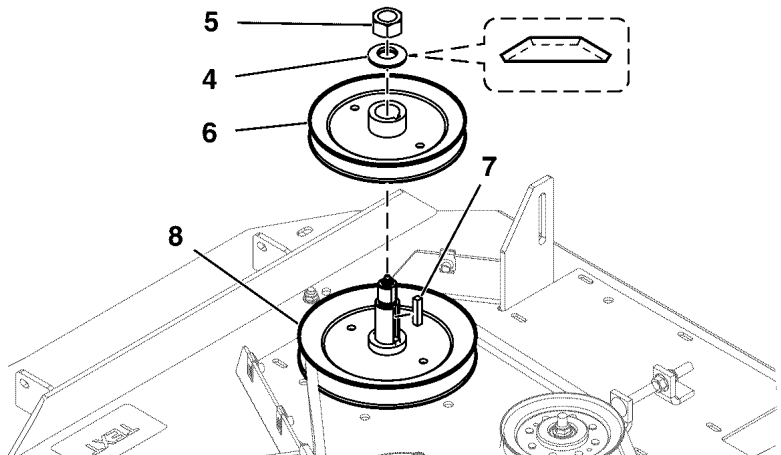
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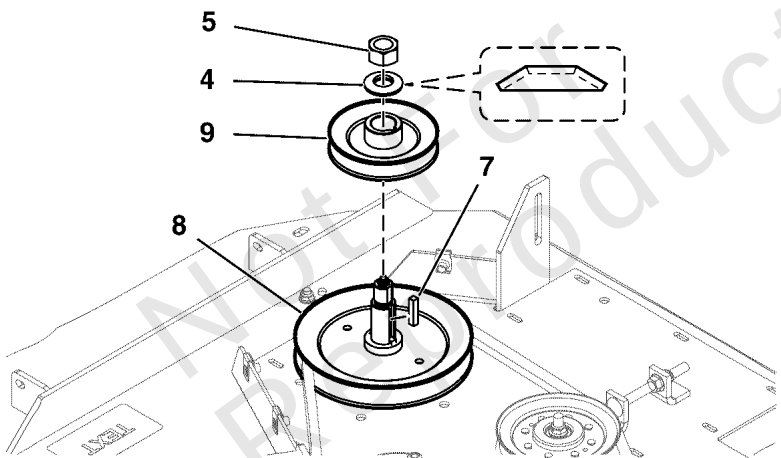
52" Mower Decks  
(5303119, 5303823, 5303088)



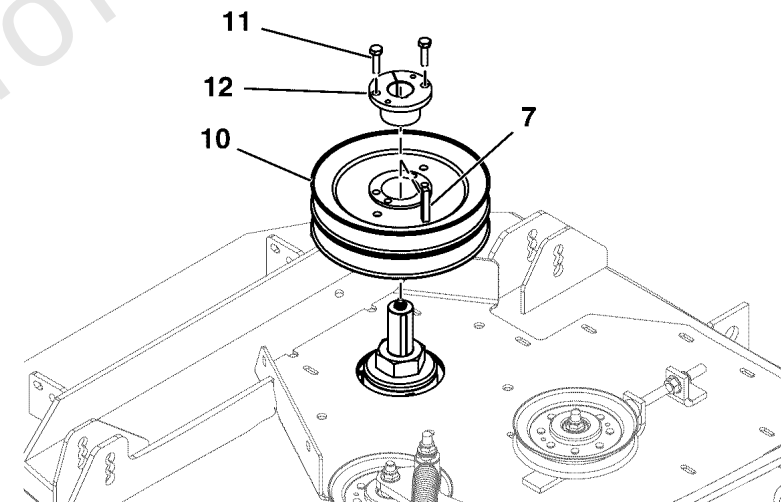
5303116 5303821 5303119 5303823  
5303088 5304154 5304153  
61" Mower Decks - Fast-Vac Collection Systems  
(5303116)



61" Mower Decks - TURBO-Pro MAX Collection Systems  
(5303821)

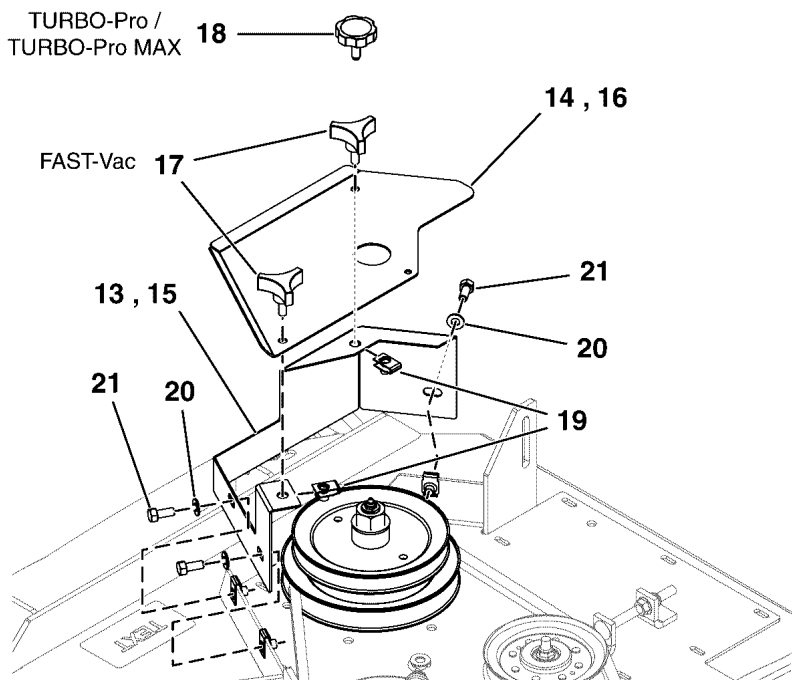


61" Mower Decks w/ Tapered Hub  
(5304153, 5304154)



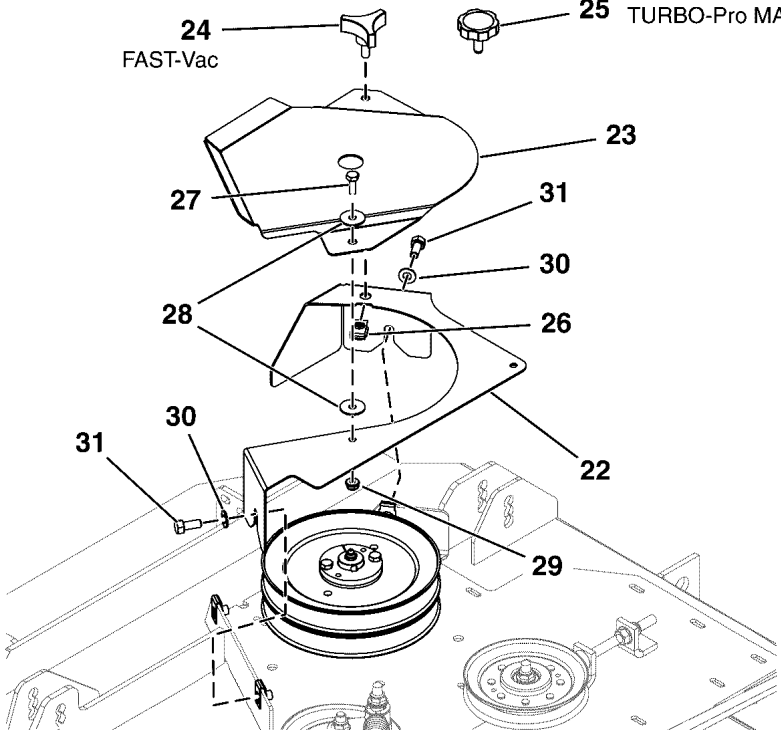
All Other Models  
(5303119, 5303823, 5303088, 5303116, 5303821)

TURBO-Pro /  
TURBO-Pro MAX



61" Mower Decks w/ Tapered Hub  
(5304153, 5304154)

FAST-Vac 24 25 TURBO-Pro /  
TURBO-Pro MAX



## Mower Deck Guards & Spindle Pulley - 2-Belt Driven Mower Decks

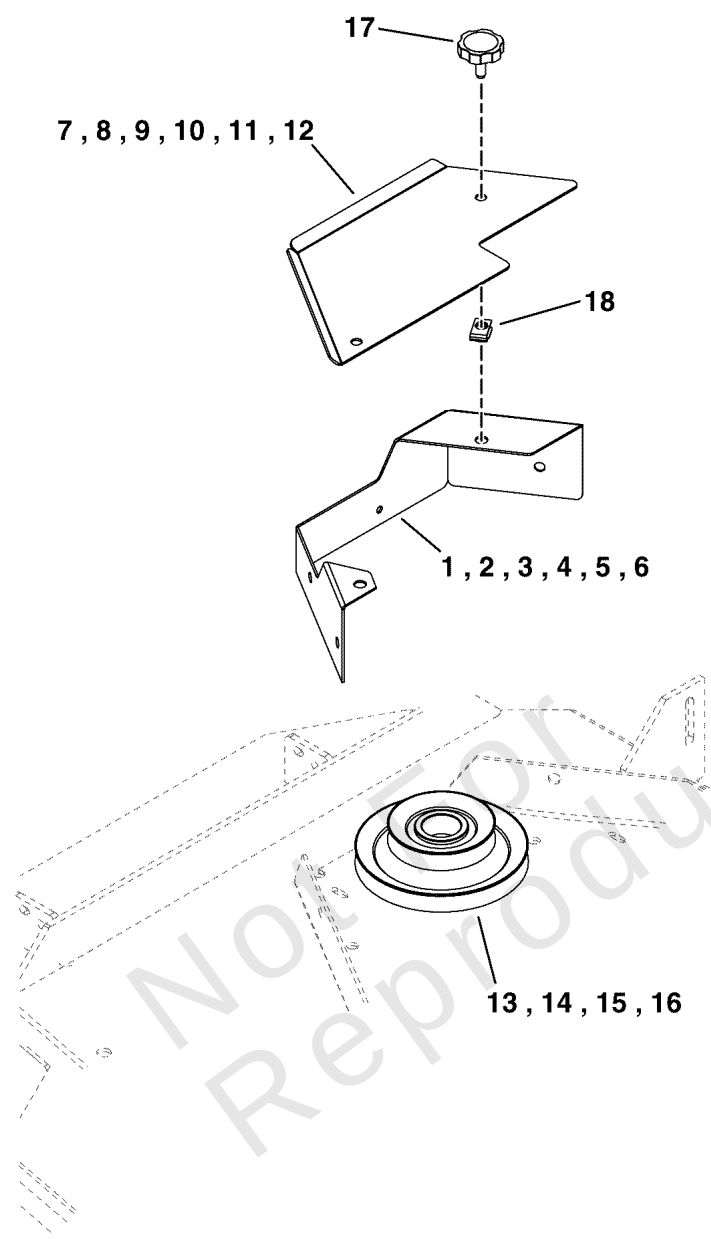
| REF NO | PART NO   | QTY | DESCRIPTION                                                               |
|--------|-----------|-----|---------------------------------------------------------------------------|
| 1      | 5105339   | 1   | SPACER, 1.00"ID X 1.50"OD X 1.48", BZ<br>-(52" Mower Decks)               |
| 2      | 5023177   | 1   | PULLEY, BLOWER 52" DECK<br>-(FAST-Vac Units)                              |
| 2      | 5103468   | 1   | PULLEY, DOUBLE, 52" DECK<br>-(TURBO-Pro / TURBO-Pro MAX Units)            |
| 3      | 5022726   | 1   | KEY 1/4 SQ X 1 1/2 LONG                                                   |
| 4      | 5025406   | 1   | WASHER, 3/4 BELLEVILLE CL/ZC<br>-(Existing Components on Deck)            |
| 5      | 5025405   | 1   | NUT, 3/4-16 Hex<br>-(Existing Components on Deck)                         |
| 6      | 5105338   | 1   | PULLEY, V SPINDLE, 4.30"OB X .985"ID                                      |
| 7      | 5022726   | 1   | KEY 1/4 SQ X 1 1/2 LONG                                                   |
| 8      | -----     | 0   | EXISTING MOWER DECK PULLEY                                                |
| 9      | 5105334   | 1   | PULLEY, V SPINDLE, 6.18"OB X .985"ID                                      |
| 10     | 5105006   | 1   | PULLEY, SPNDL, 7.032"OB-DBL, HQ BORE                                      |
| 11     | 5025010X8 | 2   | BOLT, 1/4-20 X 1" GD5 CZ                                                  |
| 12     | 5020819   | 1   | BUSHING, Tapered Hub                                                      |
| 13     | 5416222AA | 1   | GUARD, PULLEY, BLWR -BLK<br>-(61" Mower Decks)                            |
| 14     | 5416223AA | 1   | GUARD, BLOWER BELT - BLK<br>-(61" Mower Decks)                            |
| 15     | 5416220AA | 1   | GUARD, DECK PULLEY - BLK<br>-(52" Mower Decks)                            |
| 16     | 5416221AA | 1   | PLATE, BELT GUARD - BLK<br>-(52" Mower Decks)                             |
| 17     | 5022319   | 2   | KNOB, PLASTIC, 5/16-18 X 3/4"<br>-(FAST-Vac Units)                        |
| 18     | 5101731   | 2   | KNOB, 5/16-18 X 1.00, ROSETTE BLACK<br>-(TURBO-Pro / TURBO-Pro MAX Units) |
| 19     | 5022308   | 2   | BODY CLIP, 5/16-18-7GA MATERIAL                                           |
| 20     | 5025155   | 3   | WASHER, 5/16" SAE                                                         |
| 21     | 5025011X6 | 3   | BOLT, 5/16-18 X 3/4 GD5                                                   |
| 22     | 5416224AA | 1   | GUARD, DECK PULLEY, IS3200-61, RH - BLK                                   |
| 23     | 5413841AA | 1   | SHIELD, BELT, 3200-61", BLOWER - BLK                                      |
| 24     | 5022319   | 1   | KNOB, PLASTIC, 5/16-18 X 3/4"<br>-(FAST-Vac Units)                        |
| 25     | 5101731   | 1   | KNOB, 5/16-18 X 1.00, ROSETTE BLACK<br>-(TURBO-Pro / TURBO-Pro MAX Units) |
| 26     | 5022308   | 1   | BODY CLIP, 5/16-18-7GA MATERIAL                                           |
| 27     | 5025010X6 | 1   | BOLT, 1/4"-20 X 3/4" GD5 YZ                                               |
| 28     | 5025288   | 2   | WASHER, 1/4" Fender                                                       |
| 29     | 5025391   | 1   | NUT, 1/4-20 Hex Nylock Flange                                             |
| 30     | 5025155   | 2   | WASHER, 5/16" SAE                                                         |
| 31     | 5025011X6 | 2   | BOLT, 5/16-18 X 3/4 GD5                                                   |

Mower Deck Guards & Spindle Pulley - Single Belt Driven Mower Decks

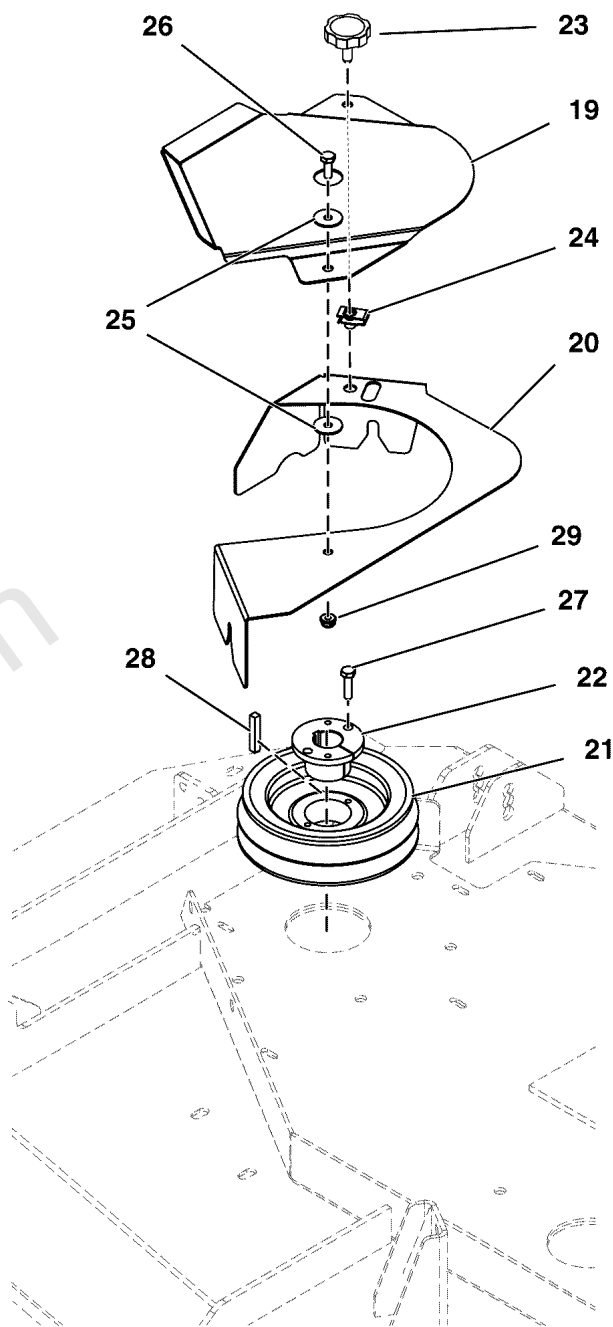
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

All Other Models



IS3200Z & F320Z Models 5303821 5304154



## Mower Deck Guards & Spindle Pulley - Single Belt Driven Mower Decks

| REF NO | PART NO   | QTY | DESCRIPTION                                                            |
|--------|-----------|-----|------------------------------------------------------------------------|
| 1      | 84012937  | 1   | GUARD, PULLEY<br>-(IS2100Z-61")                                        |
| 2      | 5407843AA | 1   | GUARD, DECK, 61/200XT, FASTVAC - BLK<br>-(S200XT-61" / F210Z-61")      |
| 3      | 5411995AA | 1   | WELD, DECK GUARD, COMM BLWR - BLK<br>-(IS3100Z-61")                    |
| 4      | 5412517AA | 1   | GUARD, DECK, 2100-52" - BLK<br>-(IS2100Z-52")                          |
| 5      | 5409534A  | 1   | GUARD, DECK 48/52 - BLK<br>-(S150XT-52" / F160Z-52")                   |
| 6      | 5412577AA | 1   | WELD, PULLEY GUARD, 800-61, BLOWER - BLK<br>-(800X-61")                |
| 7      | 5410223AA | 1   | PLATE, TOP GUARD, 61" - BLK<br>-(IS2100Z-61")                          |
| 8      | 5401436AA | 1   | GUARD, BELT, 61", 2000 FASTVAC - BLK<br>-(S200XT-61" / F210Z-61")      |
| 9      | 5411993AA | 1   | BELT SHIELD, 61" COMM BLWR - BLK<br>-(IS3100Z-61")                     |
| 10     | 5412518AA | 1   | PLATE, TOP GUARD, 2100-52" - BLK<br>-(IS2100Z-52")                     |
| 11     | 5409536A  | 1   | PLATE, TOP GUARD, 52 - BLK<br>-(S150XT-52" / F160Z-52")                |
| 12     | 5412575AA | 1   | SHIELD, BELT, 800-61, BLOWER - BLK<br>-(800X-61")                      |
| 13     | 5103682   | 1   | DOUBLE PULLEY, DECK, 61" TP<br>-(IS2100Z-61" / S200XT-61" / F210Z-61") |
| 14     | 5102067   | 1   | PULLEY, DOUBLE, DH4600, 5.95 OD TAPERED<br>-(IS3100Z-61")              |
| 15     | 5103468   | 1   | PULLEY, DOUBLE, 52" DECK<br>-(IS2100Z-52" / S150XT-52" / F160Z-52")    |
| 16     | 5104317   | 1   | DOUBLE PULLEY, DECK, 800-61", T-MAX<br>-(800X-61")                     |
| 17     | 5101731   | 5   | KNOB, 5/16-18 X 1.00, ROSETTE, BLK                                     |
| 18     | 5022308   | 4   | BODY CLIP, 5/16-18-7GA MATERIAL                                        |
| 19     | 5413841AA | 1   | SHIELD, BELT, 3200-61", BLOWER - BLK<br>-(IS3200Z-61" / F320Z-61")     |
| 20     | 5413834AA | 1   | GUARD, DECK PULLEY, 3200-61" - BLK<br>-(IS3200Z-61" / F320Z-61")       |
| 21     | 5104573   | 1   | PULLEY, DOUBLE, 5.95/6.43 OD, IS3200<br>-(IS3200Z-61" / F320Z-61")     |
| 22     | 5020819   | 1   | BUSHING, TAPERED HUB<br>-(IS3200Z-61" / F320Z-61")                     |
| 23     | 5101731   | 1   | KNOB, 5/16-18 X 1.00, ROSETTE, BLK<br>-(IS3200Z-61" / F320Z-61")       |
| 24     | 5022308   | 1   | BODY CLIP, 5/16-18-7GA MATERIAL<br>-(IS3200Z-61" / F320Z-61")          |
| 25     | 5025288   | 2   | WASHER, 1/4 FENDER<br>-(IS3200Z-61" / F320Z-61")                       |
| 26     | 5025010X6 | 1   | BOLT, 1/4-20 X 3/4 GD5 CZ<br>-(IS3200Z-61" / F320Z-61")                |
| 27     | 5025010X8 | 2   | BOLT, 1/4-20 X 1" GD5 CZ<br>-(IS3200Z-61" / F320Z-61")                 |
| 28     | 5022726   | 1   | KEY 1/4 SQ X 1 1/2 LONG<br>-(IS3200Z-61" / F320Z-61")                  |
| 29     | 5025391   | 1   | NUT, 1/4-20 HEX NYLOCK FLANGE<br>-(IS3200Z-61" / F320Z-61")            |

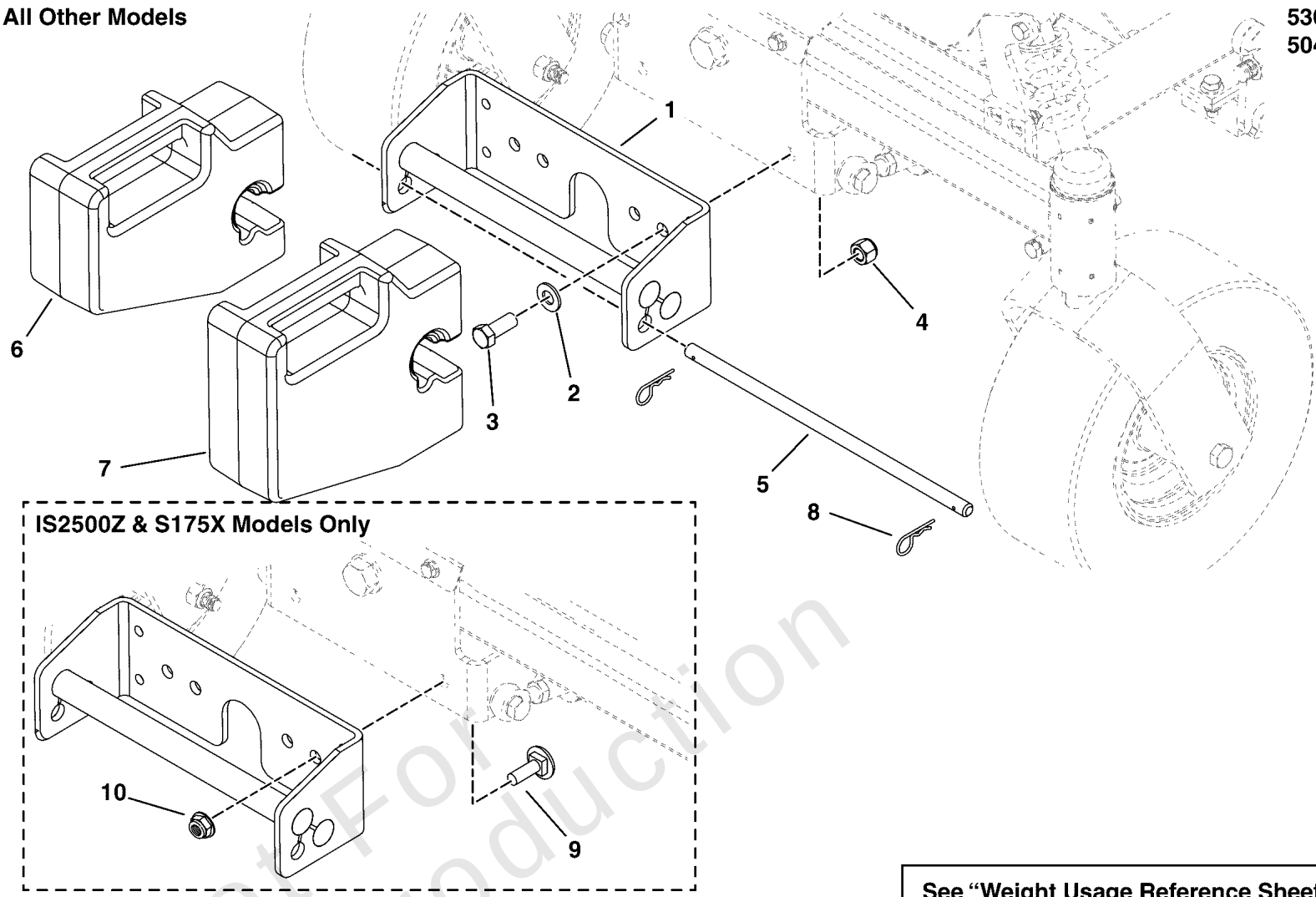
Weight Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

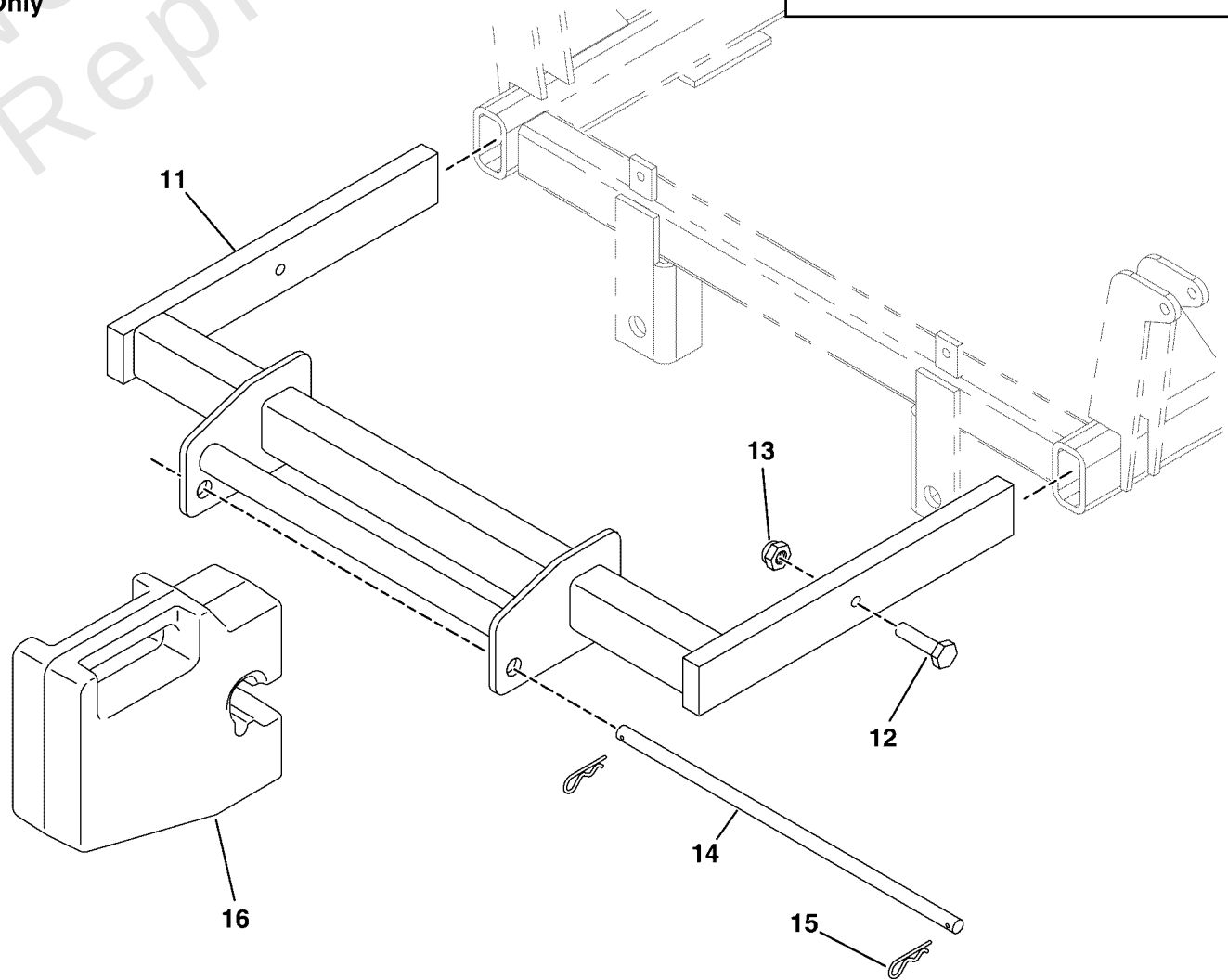
All Other Models

5300189  
5046869



See "Weight Usage Reference Sheet"  
for Quantity of Weights

IS3100Z Models Only



## Weight Mount Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                                              |
|--------|------------|-----|------------------------------------------------------------------------------------------|
| 1      | 5049082A   | 1   | HOLDER ASMY-WEIGHT CONS Z CAT - BLACK                                                    |
| 2      | 5025158    | 2   | WASHER, 1/2 SAE                                                                          |
| 3      | 5025018X10 | 2   | BOLT, 1/2-20 X 1-1/4" GD8 CZ                                                             |
| 4      | 5025098    | 2   | NUT, Hex, Nylon Lock, 1/2-20                                                             |
| 5      | 5049143    | 1   | ROD-.500DIA 13.75LG YELLOW CON                                                           |
| 6      | 1700000    | 0   | WEIGHT-QUICK ATTACH 33LBS PAINTED BLACK<br>-(See Weight Usage Reference Sheet for Qty)   |
| 7      | 1717627    | 0   | WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED<br>-(See Weight Usage Reference Sheet for Qty) |
| 8      | 5025210    | 2   | 3/32 X 1-5/8 HAIR PIN CLIP                                                               |
| 9      | 5025324X10 | 2   | BOLT, CARRIAGE 1/2-13 X 1-1/4 GD.5                                                       |
| 10     | 5025396    | 2   | NUT, Hex Flange, Nylock, 1/2-13                                                          |
| 11     | 5046169A   | 1   | 3-BAG WEIGHT RACK WELDMENT                                                               |
| 12     | 80003522   | 2   | HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR                                                     |
| 13     | 5025096    | 2   | NUT, 3/8-16 HEX NYLON LOCK                                                               |
| 14     | 5046174A   | 1   | ROD, WEIGHT RETAINER                                                                     |
| 15     | 5025210    | 2   | 3/32 X 1-5/8 HAIR PIN CLIP                                                               |
| 16     | 1717627    | 0   | WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED<br>-(See Weight Usage Reference Sheet for Qty) |

## Weight Usage Reference Sheet

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5601570

### Soft Top Bagger Collection Systems

| S/N: 08/2014 & Below |                    |     | S/N: 09/2014 & Above |     | S/N: 08/2014 & Below |                    |     | S/N: 09/2014 & Above |     |
|----------------------|--------------------|-----|----------------------|-----|----------------------|--------------------|-----|----------------------|-----|
| Kit Number           | Weight Part Number | Qty | Weight Part Number   | Qty | Kit Number           | Weight Part Number | Qty | Weight Part Number   | Qty |
| 5600002              | 1717627            | 2   | 1700000              | 3   | 5600749              | 1717627            | 3   | 1717627              | 2   |
| 5600003              | 1717627            | 3   | 1717627              | 3   | 5600750              | 1717627            | 3   | 1717627              | 2   |
| 5600004              | 1717627            | 3   | 1717627              | 3   | 5600759              | 1717627            | 3   | 1717627              | 2   |
| 5600006              | 1717627            | 3   | 1717627              | 3   | 5600760              | 1717627            | 3   | 1717627              | 2   |
| 5600009              | 1717627            | 3   | 1717627              | 3   | 5600761              | 1717627            | 3   | 1717627              | 2   |
| 5600057              | 1717627            | 3   | 1717627              | 3   | 5600762              | 1717627            | 3   | 1717627              | 2   |
| 5600060              | 1717627            | 3   | 1717627              | 3   | 5600802              | 1717627            | 2   | 1700000              | 3   |
| 5600061              | 1717627            | 3   | 1717627              | 3   | 5600803              | 1717627            | 2   | 1700000              | 3   |
| 5600148              | 1717627            | 3   | 1717627              | 3   | 5600804              | 1717627            | 2   | 1700000              | 3   |
| 5600150              | 1717627            | 3   | 1717627              | 3   | 5600805              | 1717627            | 3   | 1717627              | 3   |
| 5600173              | 1717627            | 2   | 1700000              | 3   | 5600806              | 1717627            | 3   | 1717627              | 3   |
| 5600333              | 1717627            | 3   | 1717627              | 2   | 5600807              | 1717627            | 3   | 1717627              | 3   |
| 5600347              | 1717627            | 3   | 1717627              | 2   | 5600808              | 1717627            | 3   | 1717627              | 3   |
| 5600348              | 1717627            | 2   | 1700000              | 3   | 5600864              | 1717627            | 3   | 1717627              | 2   |
| 5600371              | 1717627            | 3   | 1717627              | 2   | 5600865              | 1717627            | 3   | 1717627              | 2   |
| 5600372              | 1717627            | 2   | 1700000              | 3   | 5600866              | 1717627            | 3   | 1717627              | 2   |
| 5600373              | 1717627            | 3   | 1717627              | 2   | 5600867              | 1717627            | 3   | 1717627              | 2   |
| 5600445              | 1717627            | 3   | 1717627              | 3   |                      |                    |     |                      |     |
| 5600446              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600539              | 1717627            | 2   | 1700000              | 3   |                      |                    |     |                      |     |
| 5600601              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600602              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600605              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600608              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600609              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600610              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600611              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600615              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600616              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600618              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600619              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600620              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600621              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600624              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600641              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600648              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600649              | 1717627            | 2   | 1700000              | 2   |                      |                    |     |                      |     |
| 5600657              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600747              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |
| 5600748              | 1717627            | 3   | 1717627              | 2   |                      |                    |     |                      |     |

*Weight Usage Reference Sheet*

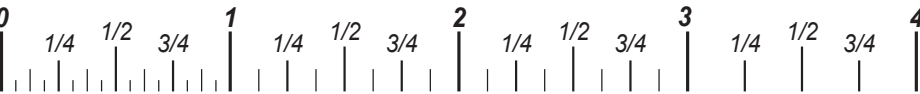
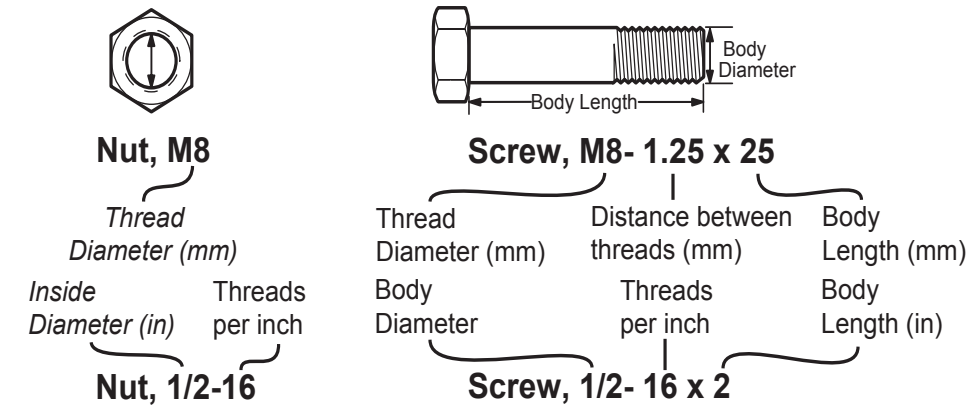
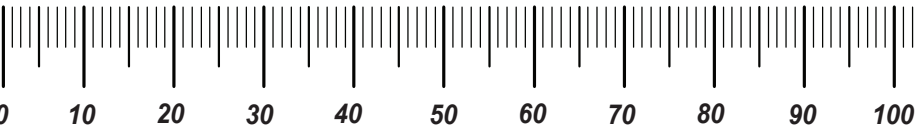
| REF NO | PART NO | QTY | DESCRIPTION                               |
|--------|---------|-----|-------------------------------------------|
| 1      | 1700000 | 0   | WEIGHT-QUICK ATTACH 33LBS PAINTED BLACK   |
| 2      | 1717627 | 0   | WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED |

Not For Reproduction

# 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).

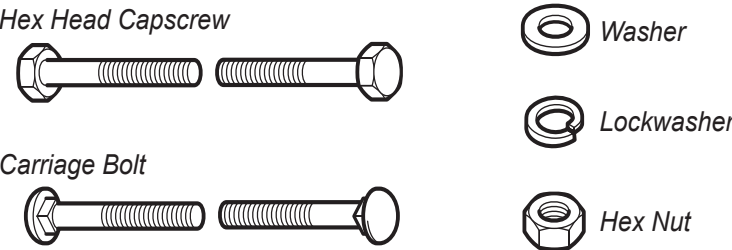
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

