

Parts Manual

Mfg. No: 5600751
61" iCD TURBO-Pro Max; 12 cu. ft.
Hopper (IS3100Z)

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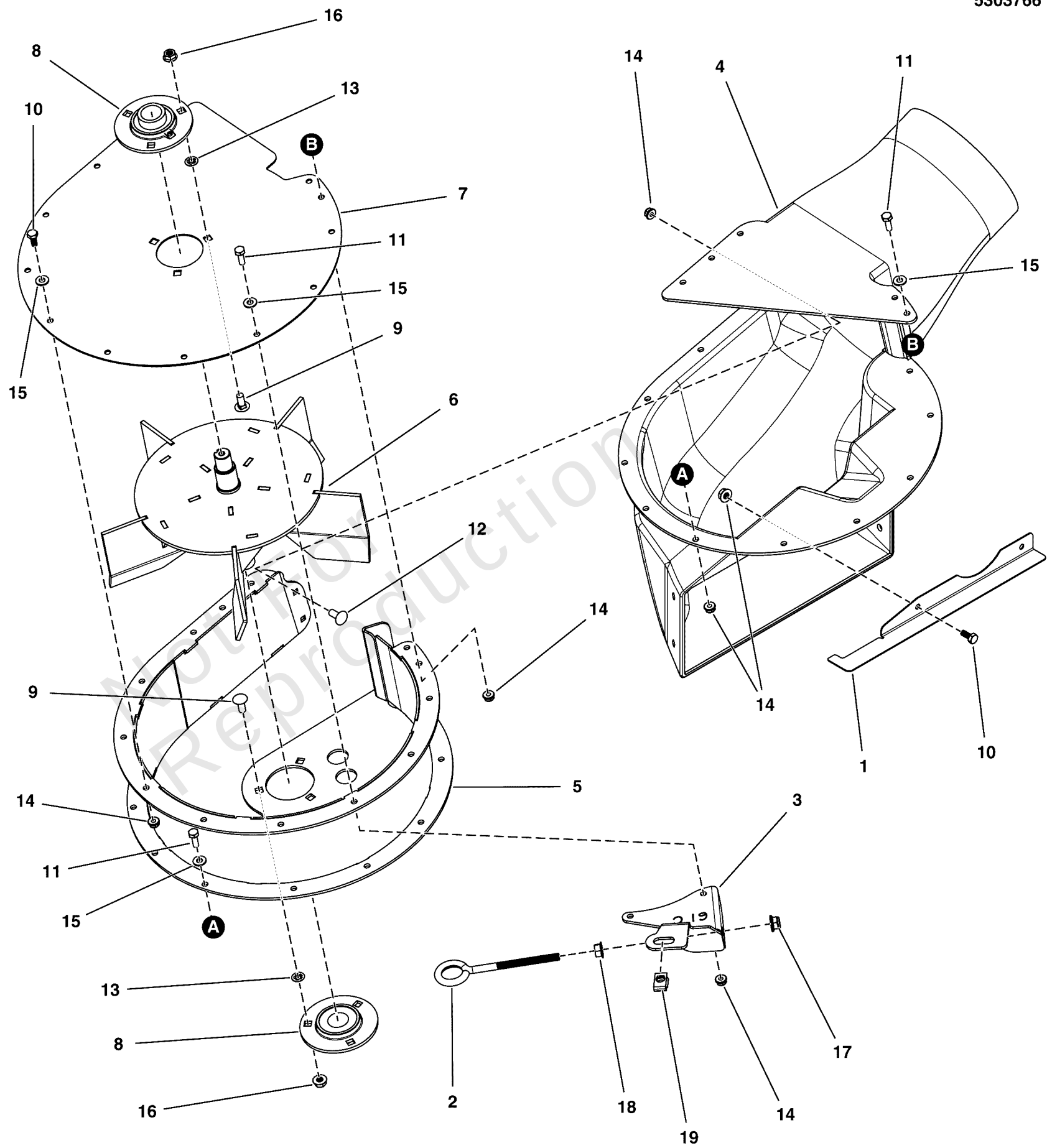
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Blower Group, TURBO-Pro MAX S/N: 11/03/2021 and Earlier

Note: Unless noted otherwise, use the standard torque specifications

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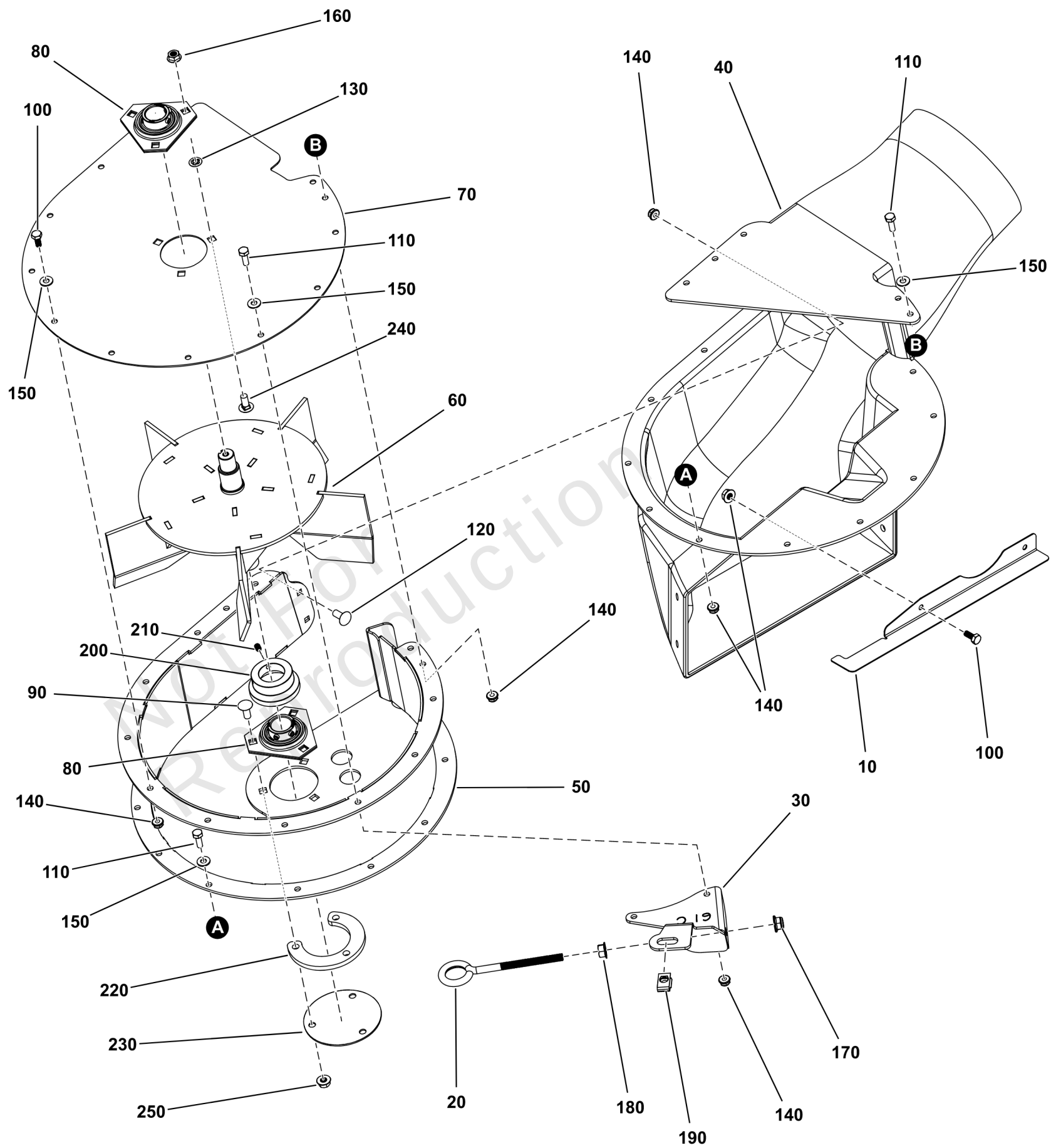
Blower Group, TURBO-Pro MAX S/N: 11/03/2021 and Earlier

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

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

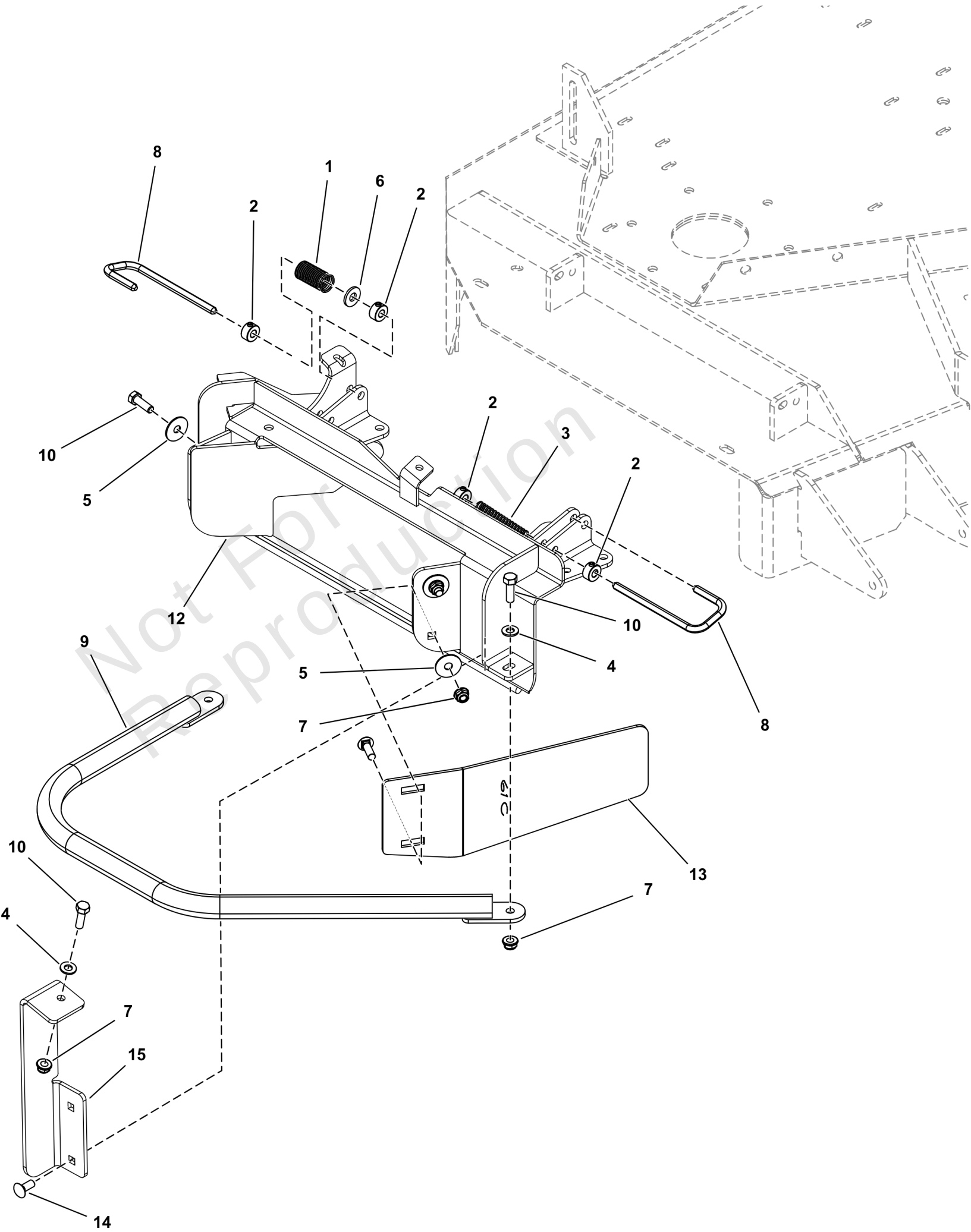
REF NO	PART NO	QTY	DESCRIPTION
10	5412471AA	1	BRACKET, ADAPTER SEAL, COM BLOWER - BLK
20	5021812SM	1	EYE BOLT, 3/8-16 X 4-
30	5411115AA	1	WELD, SPRING ANCHOR, COM - BLK
40	5103816FS	1	HOUSING, BLOWER
50	5411079AA	1	WELD, FAN CAGE, BLOWER - BLK
60	84007864	1	IMPELLER
70	5411077AA	1	PLATE, FAN, TOP - BLK
80	5110099FS	2	BEARING, FLANGE -(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 -(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 - 61" Mower Decks, TURBO-Pro MAX

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Blower Mount Group - 61" Mower Decks, TURBO-Pro MAX

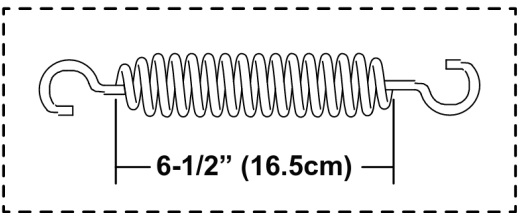
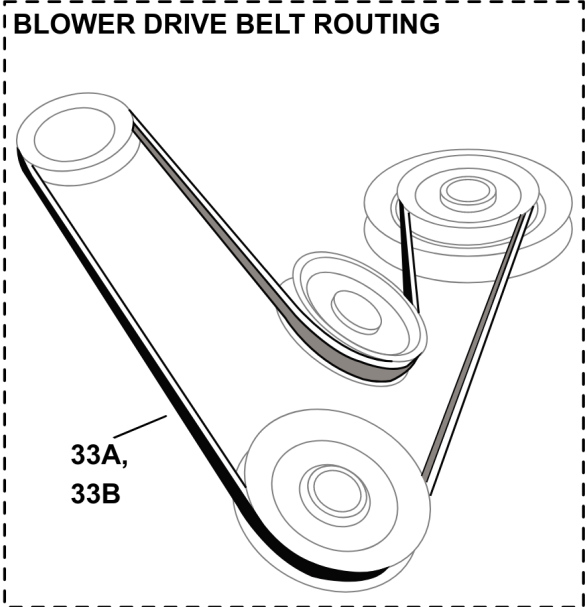
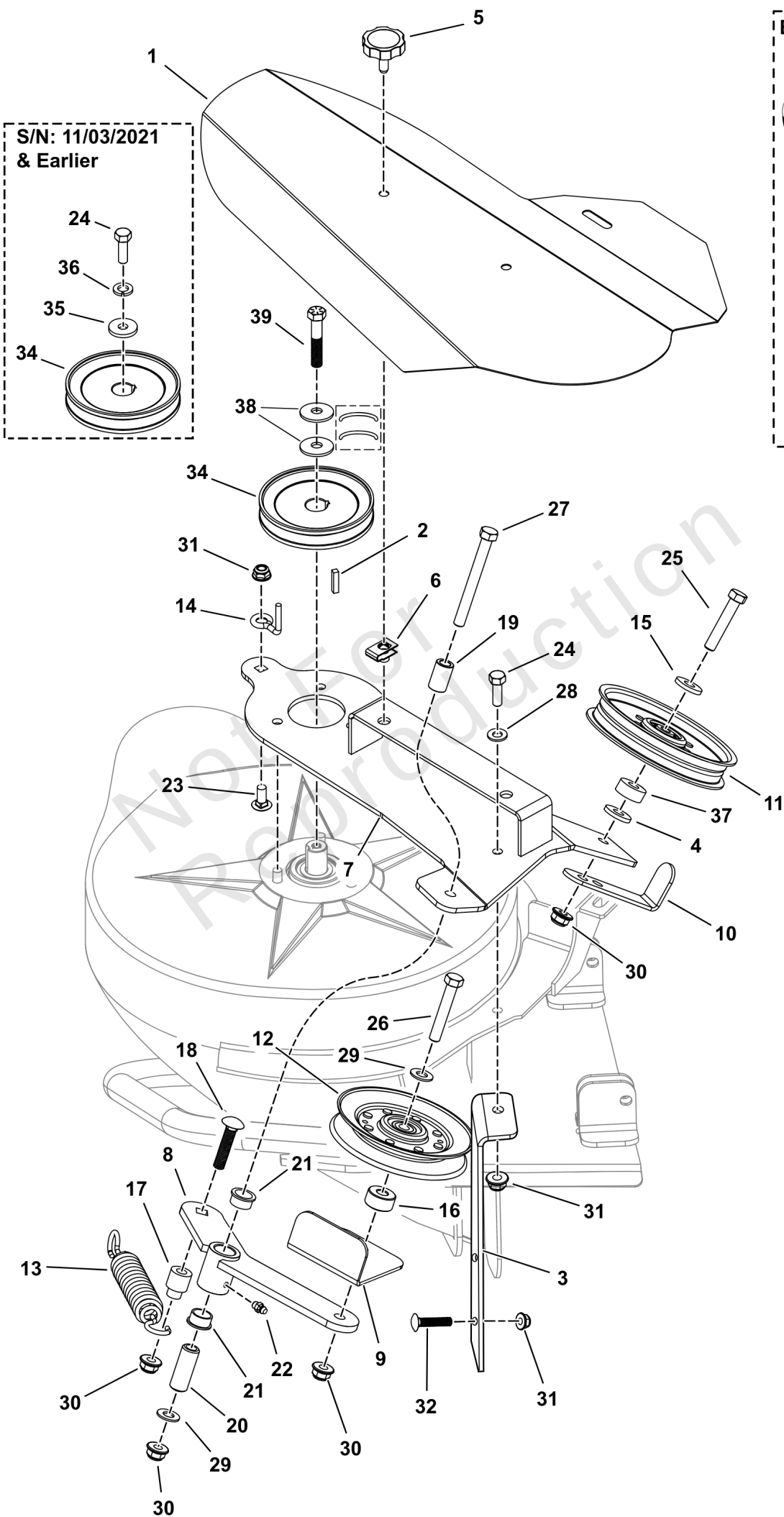
REF NO	PART NO	QTY	DESCRIPTION
1	1709660	1	SPRING-COMP 0.880ODX 02.187LG .062WIRE -(Date of Manufacture: Before 11/02/2021)
1	5020637	1	SPRING-COMP, .375IDX2.75LGX.054WR, SS -(Date of Manufacture: After 11/03/2021)
2	5020047	4	COLLAR, 5/16 SET
3	5020637	1	SPRING-COMP, .375IDX2.75LGX.054WR, SS
4	5025155	5	WASHER, 5/16" SAE -(Qty: 4 - Date of Manufacture: Before 11/02/2021)
5	5025164	4	WASHER, 5/16 FENDER
6	5025337	1	WASHER, 5/16 USS
7	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE -(Qty: 5 - Date of Manufacture: Before 11/02/2021)
8	5104203	2	ROD, LOCKING PIN, BLOWER
9	5412625AA	1	WELD, NERF BAR, 61" T-MAX - BLK
10	5025011X8	6	BOLT, 5/16-18 X 1 GD5 CZ -(Qty: 5 - Date of Manufacture: Before 11/02/2021)
11	5025145X8	2	BOLT, 5/16-18 X 1, CARRIAGE
12	5411112AA	1	WELD, ADAPTER, 61" COM - BLK -(Date of Manufacture: Before 11/02/2021)
12	5422377AA	1	WELD, ADAPTER, 61" TMAX-BLK -(Date of Manufacture: After 11/03/2021)
13	84008397	1	BAFFLE, Front -(Date of Manufacture: Before 11/02/2021)
13	84008397	1	BAFFLE, Front -(Date of Manufacture: After 11/03/2021)
14	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ -(Date of Manufacture: After 11/03/2021)
15	5422421AA	1	BRACKET, PLATE SUPPORT, TMAX-BLK -(Date of Manufacture: After 11/03/2021)

Blower Pulley Group, TURBO-Pro MAX

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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 -(Date of Manufacture: Before 11/02/2021)
3	5422421AA	1	BRACKET, PLATE SUPPORT, TMAX-BLK -(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 -(Includes Bushings and Fitting)
9	5409609AA	1	RETAINER, BELT, WIDE - BLK
10	5409610AA	1	RETAINER, BELT -(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 -(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 -(52" Mower Decks)
33B	84008031	1	BELT -(61" Mower Decks)
34	5103836	1	PULLEY, COMMERCIAL PRO
35	1919381	1	WASHER-0.312(0.34IDX1.00ODX.13THK)BLK -(S/N: 11/03/2021 and Earlier)
36	5025170	1	WASHER, 5/16 LOCK CZ -(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 -(S/N: 11/04/2021 and Later)

Footnotes:

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

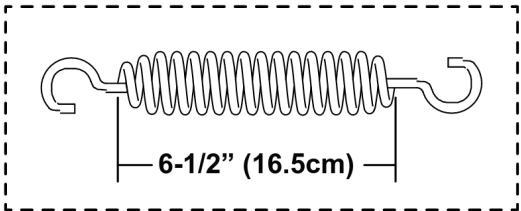
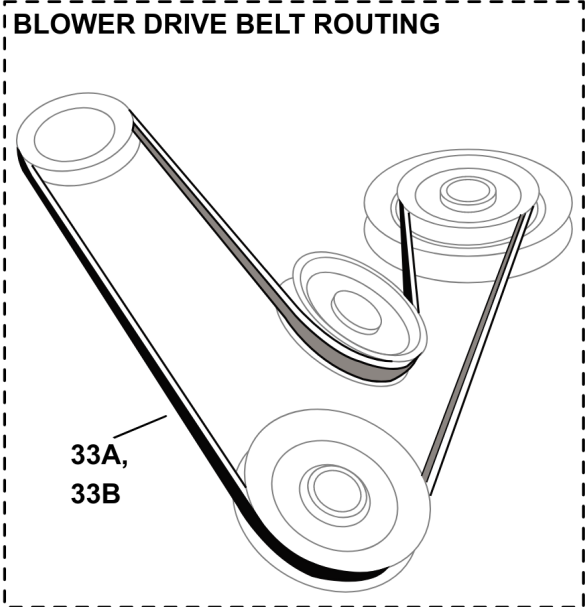
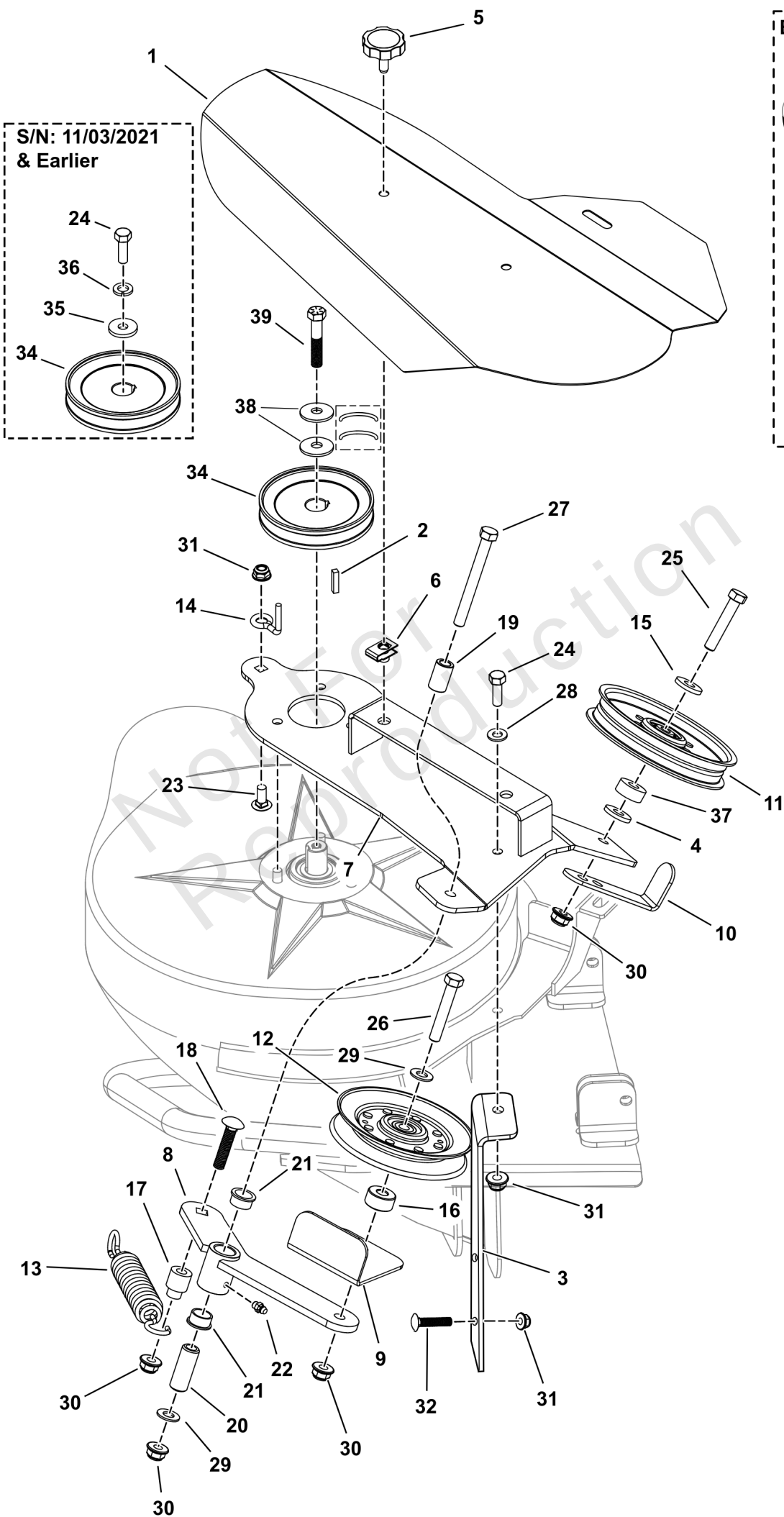
Note: *The hole closest to the bend is for models with 44", 48" or 61" decks. The hole furthest from the bend is for models with 52" decks.

Blower Pulley Group, TURBO-Pro MAX

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Blower Pulley Group, TURBO-Pro MAX

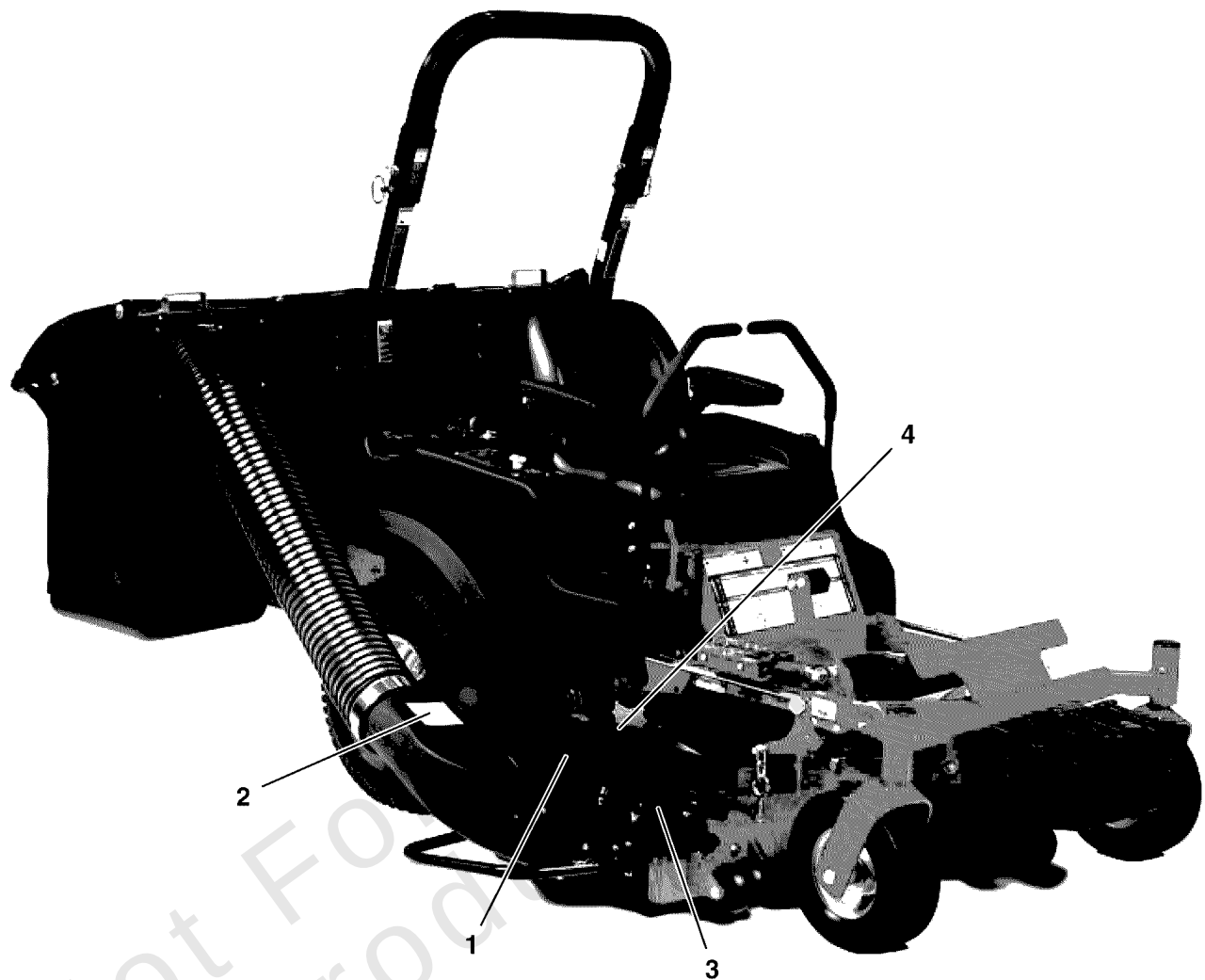
REF NO	PART NO	QTY	DESCRIPTION
39	5025676X16	1	BOLT, 3/8-16 X 2.0, GD8, PHOS -(S/N: 11/04/2021 and Later)(Refer to Note: **)

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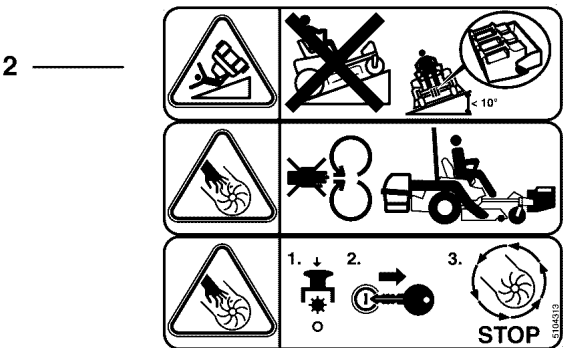
Footnotes:

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.



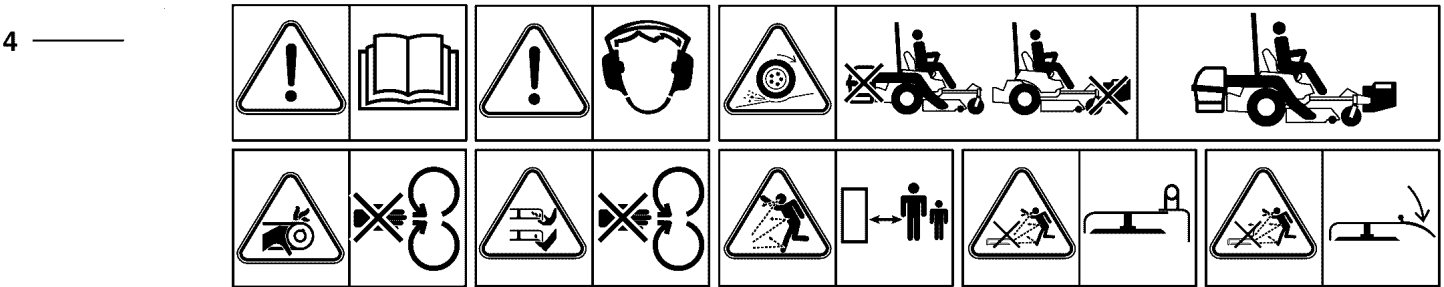
1 — **TURBO-ProTM Max**



3 —

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

5104318



Decal Group - TURBO Pro MAX Blowers

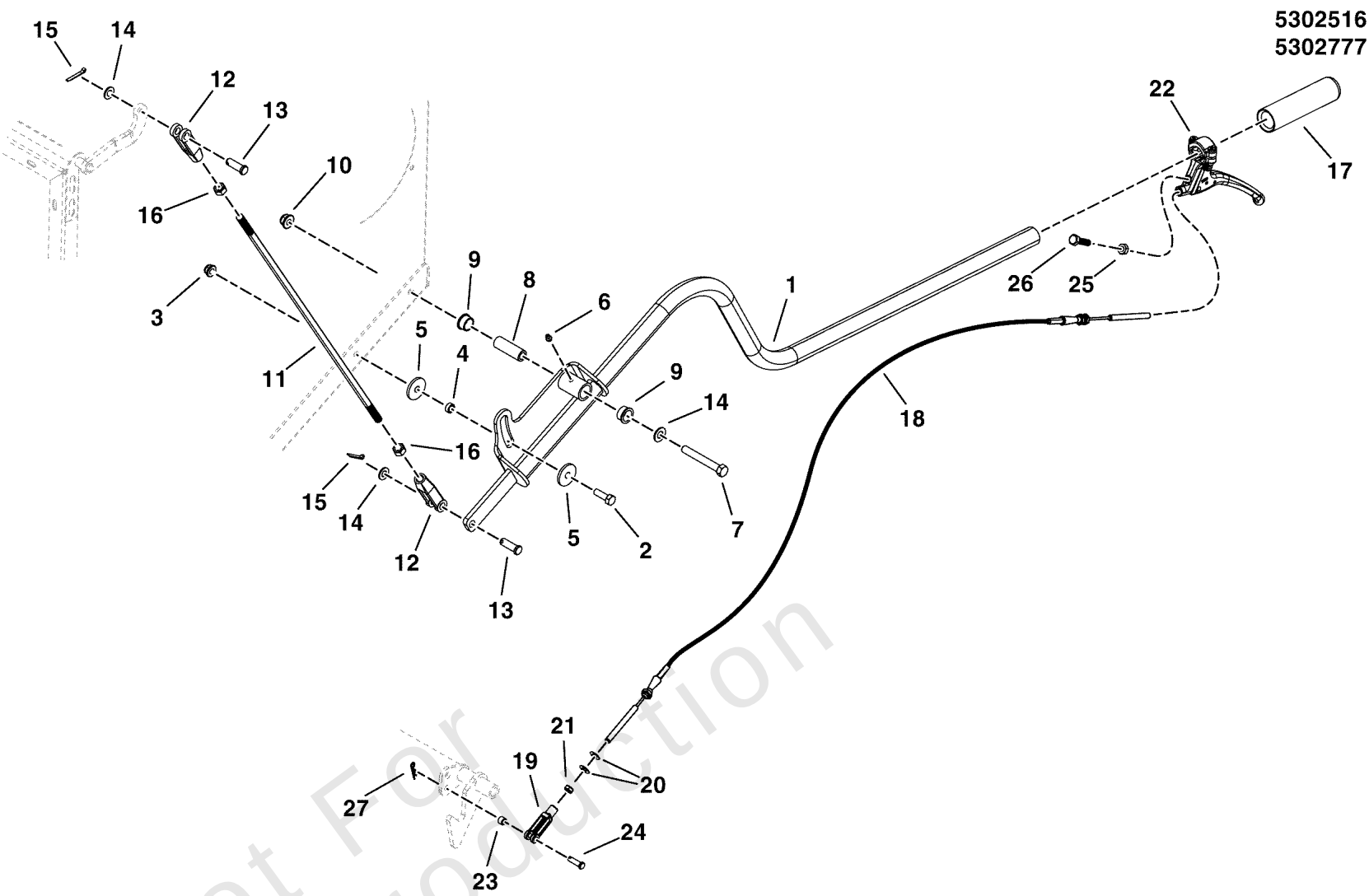
REF NO	PART NO	QTY	DESCRIPTION
1	5104285	1	DECAL, TURBO PRO MAX
2	5104313	1	DECAL, BLOWER, SMALL, ICONS
3	5104318	1	DECAL, BELT, TURBO-PRO MAX
4	5104314	1	DECAL, BLOWER, MAIN, LARGE, ICONS

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Dump Handle Group

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Mfg. No: 5600751



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Dump Handle Group

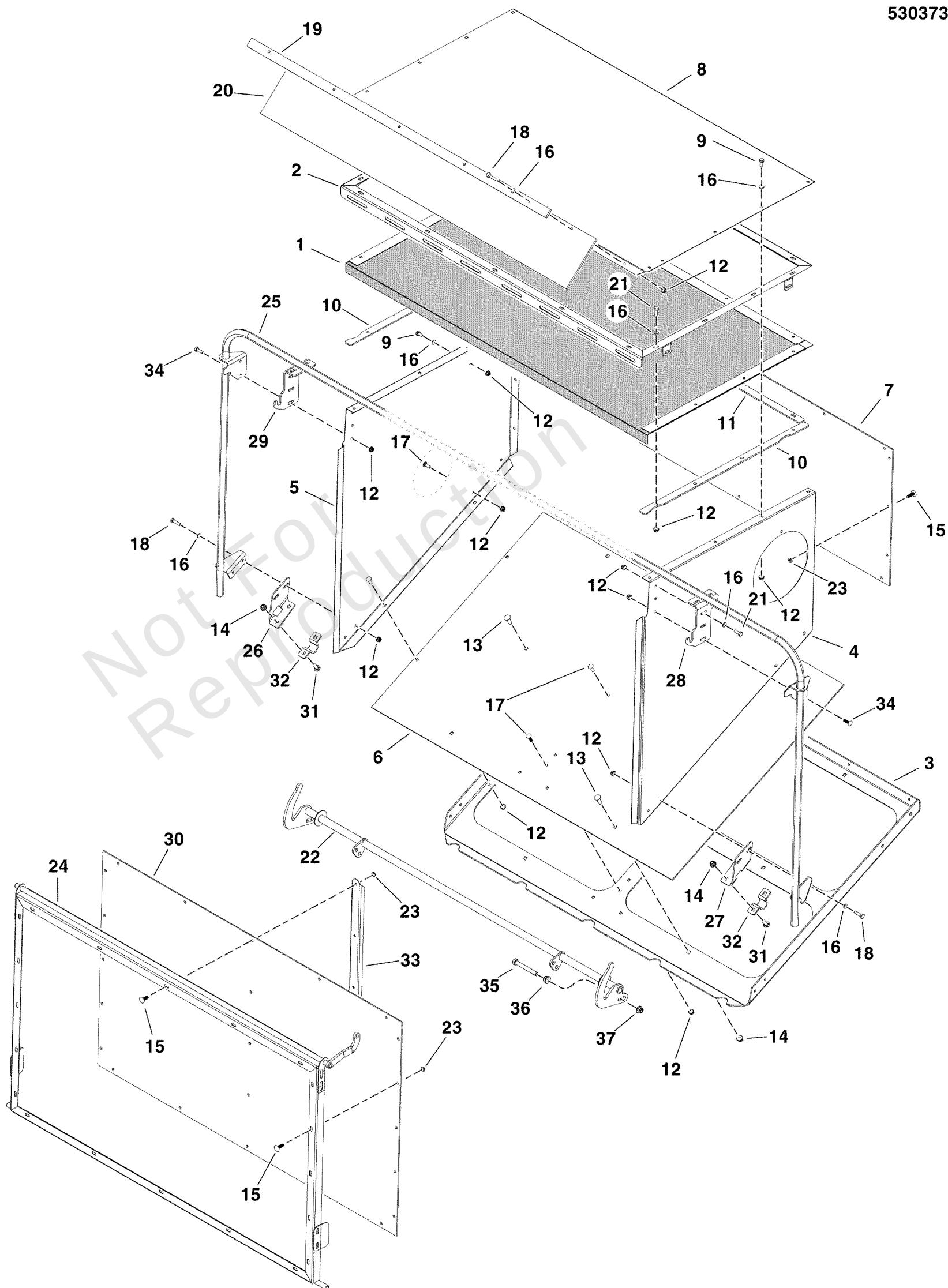
REF NO	PART NO	QTY	DESCRIPTION
1a	5406743A	1	WELD, HANDLE ASSY, 3100/200 - BLK -(ZTR Models)
1b	5406303A	1	WELD, HANDLE ASSY, 800 - BLK -(Outfront Models)
2	5025011X8	1	BOLT, 5/16-18 X 1 GD5 YZ
3	5025392	1	NUT, 5/16-18 HEX NYLOCK FLANGE
4	1666697	1	SPACER-0.328ID 0.497OD 0.218LG PM YEL
5	5044617	2	WASHER, .34 X 1.25 X 10 GA
6	5021637	1	GREASE FITTING, PRESS, SHORT
7	5025013X22	1	BOLT, 3/8-16 X 2-3/4" GD5 CZ
8	1657242	1	SPACER-0.390ID 0.625OD 1.85 LG HARDENED
9	1676148	2	BUSHING-0.628IDX0.751ODX0.400LG PWDR MTL
10	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
11	5102630	1	ROD, GATE PULL, HOPPER
12	5101800YP	2	CLEVIS, 3/8-24 RH
13	5025214X9	2	PIN, CLEVIS, 3/8 X 1-1/8, CZ
14	5025156	3	WASHER, 3/8 SAE
15	80002736	2	PIN, 3/32 X .750, COT, ZINC/CLEAR
16	5025309	2	NUT, 3/8-24 HEX JAM
17	5104659	1	GRIP, FOAM, .940" X 4.62" X .187"
18	5102823	1	CABLE, CONTROL, 57, GRASS COLLECTION
19	5102881	1	CLEVIS, 10-32 RH, CZ
20	5025155	2	WASHER, 5/16" SAE
21	1928919	1	NUT-HEX & WASHER ASMY 10-32 BLK (KEPS)
22	5102880	1	LEVER, RELEASE
23	5021878	1	SPACER, .25 X .37 X .25
24	5025212X6	1	CLEVIS PIN, 1/4 X 3/4, CZ
25	5025569	1	NUT, HEX, M8-1.0, CZ
26	5025568	1	BOLT, HEX, M8-1.0 X 30, CZ
27	5025211	1	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ

Hopper Group - 12 cu. ft.

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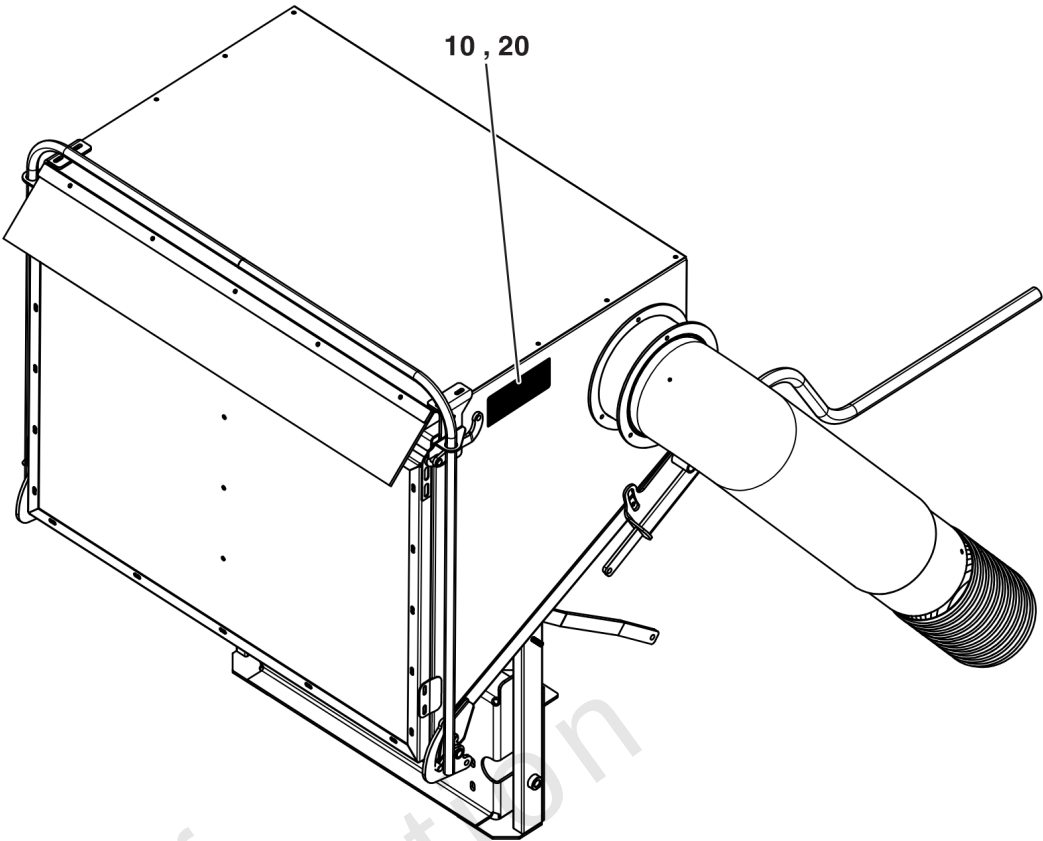
Hopper Group - 12 cu. ft.

REF NO	PART NO	QTY	DESCRIPTION
1	5104226	1	SCREEN, ASM, 12FT HOPPER
2	5412114A	1	WELD, SCREEN FRAME, 12FT HOPPER - BLK
3	5412115A	1	WELD, SUBFRAME, 12FT HOPPER - BLK
4	5406321A	1	PANEL, RIGHT, 14FT HOPPER - BLK
5	5406320A	1	PANEL, LEFT, 14FT HOPPER
6	5412112	1	PANEL, BOTTOM, 12FT HOPPER
7	5412113	1	PANEL, FRONT, 12FT HOPPER
8	5412102A	1	PANEL, TOP, 12FT HOPPER - BLK
9	-----	6	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
10	5412105A	2	STRIP, SHORT CLAMP, 12FT HOPPER - BLK
11	5412106A	1	STRIP, LONG CLAMP, 12FT SCREEN - BLK
12	5025391	49	NUT, 1/4-20 Hex Nylock Flange
13	5025145X8	6	BOLT, 5/16-18 X 1, CARRIAGE, GD5, CZ
14	5025392	10	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
15	5025431	39	PUSH RIVET (TREE TYPE), BLACK
16	5025154	37	WASHER, 1/4 SAE
17	80003518	8	BOLT,1/4-20X0.750,GR5,STD NECK,SQ,ZC/CL
18	5025010X8	9	BOLT, 1/4-20 X 1" GD5 CZ
19	5412119A	1	BAR, DEFLECTOR, 12FT HOPPER - BLK
20	5104200	1	DEFLECTOR, RUBBER, 12FT HOPPER
21	5025010X6	22	BOLT, 1/4"-20 X 3/4" GD5 YZ
22	5412117A	1	WELD, LATCH ASSY, 12FT HOPPER - BLK
23	5025607	39	WASHER, #12 SAE FLAT, .25X.531X.051, CZ
24	5412118A	1	WELD, GATE FRAME, 12FT HOPPER - BLK
25	5412116A	1	WELD, ARCH ASSEMBLY, 12FT HOPPER - BLK
26	5406463A	1	BRACKET, GATE LATCH, LEFT - BLK
27	5406464A	1	BRACKET, GATE LATCH, RIGHT - BLK
28	5405711A	1	PLATE, HINGE RIGHT, HOPPER - BLK
29	5405710A	1	PLATE, HINGE LEFT, HOPPER - BLK
30	5412111	1	PANEL, GATE, 12FT HOPPER
31	5025145X6	4	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
32	1761690HYP	2	STRAP, ROCKER SHAFT
33	5406760A	1	BRACKET, RIB, HOPPER - BLK
34	7090496YP	4	RHSSNB, 1/4C X1 GR5 Z
35	5025013X24	2	BOLT, 3/8-16 X 3" GD5 CZ
36	5025128	2	NUT, 3/8-16 Hex Large Serrated Flange
37	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE

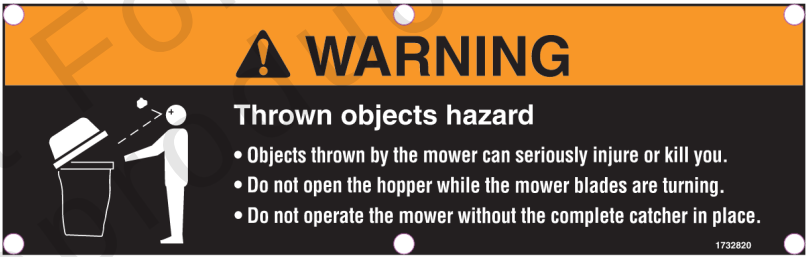
Hopper Group - Decals

Note: Unless noted otherwise, use the standard torque specifications

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Hopper Group - Decals

REF NO	PART NO	QTY	DESCRIPTION
10	1732820SM	1	DECAL, Safety -(S/N: 06/2014 & Below)
20	5104315FS	1	DECAL -(S/N: 07/2014 & Above)

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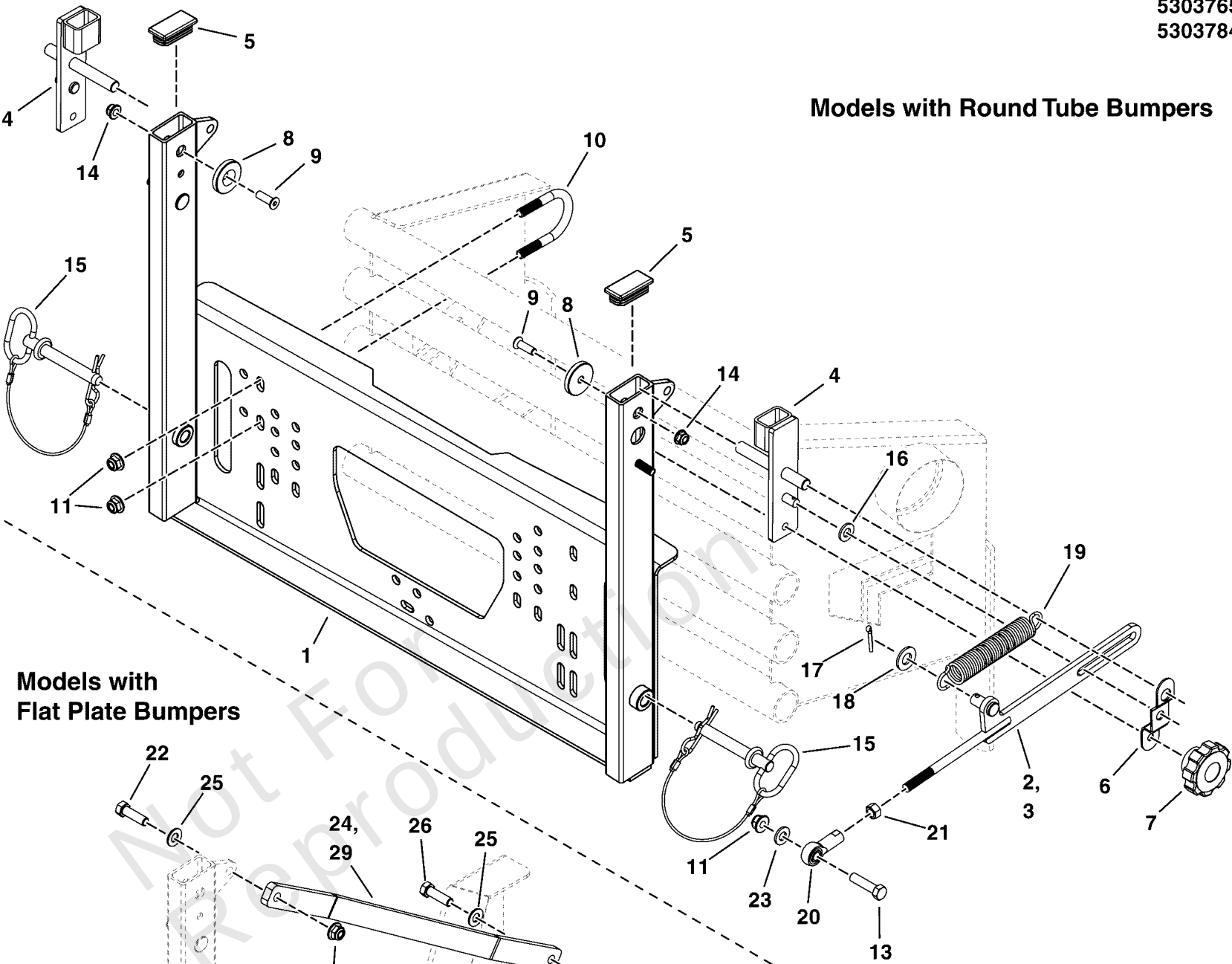
Hopper Mount Group (ZTR) - 12 cu. ft. hopper

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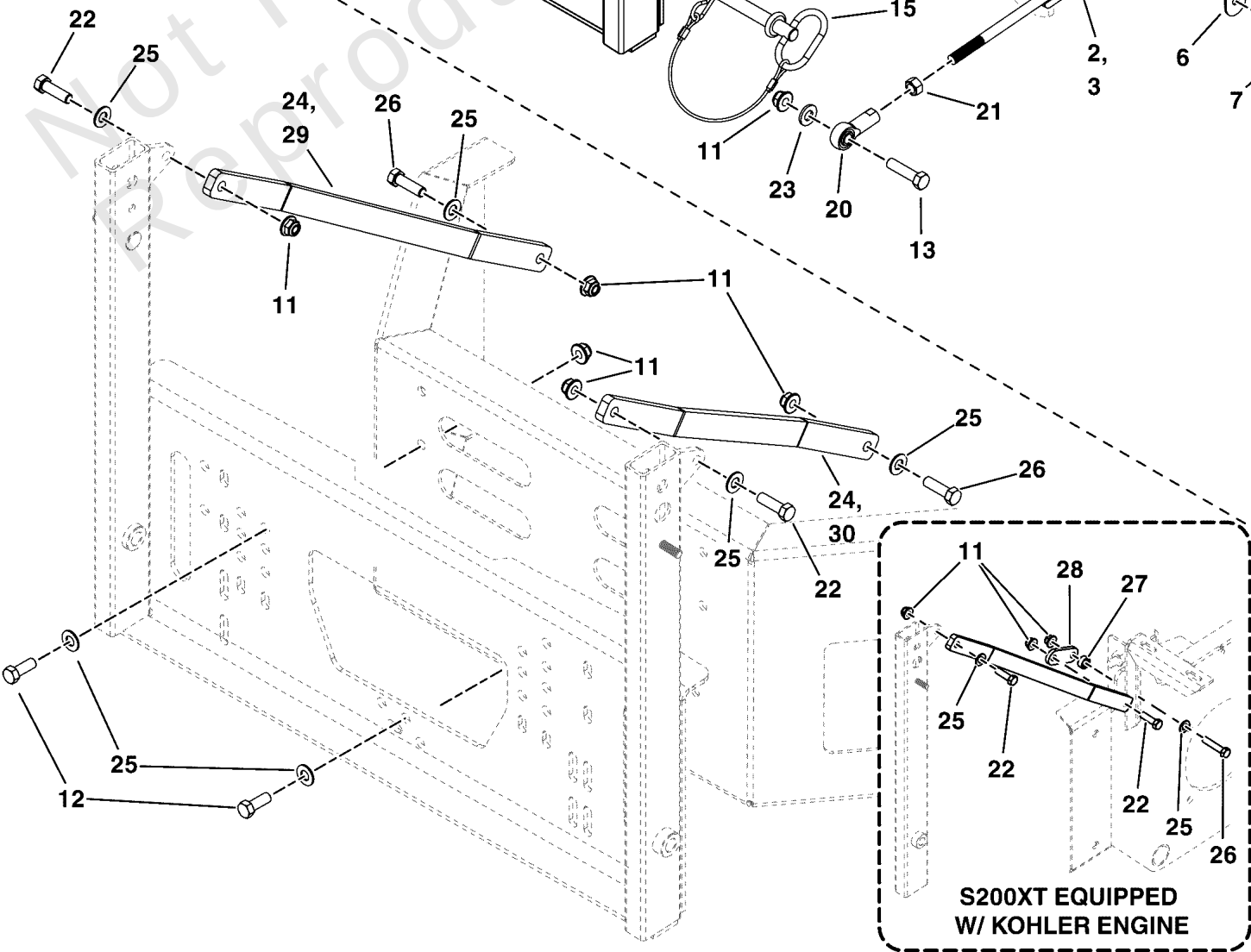
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Models with Round Tube Bumpers



Models with Flat Plate Bumpers



Hopper Mount Group (ZTR) - 12 cu. ft. hopper

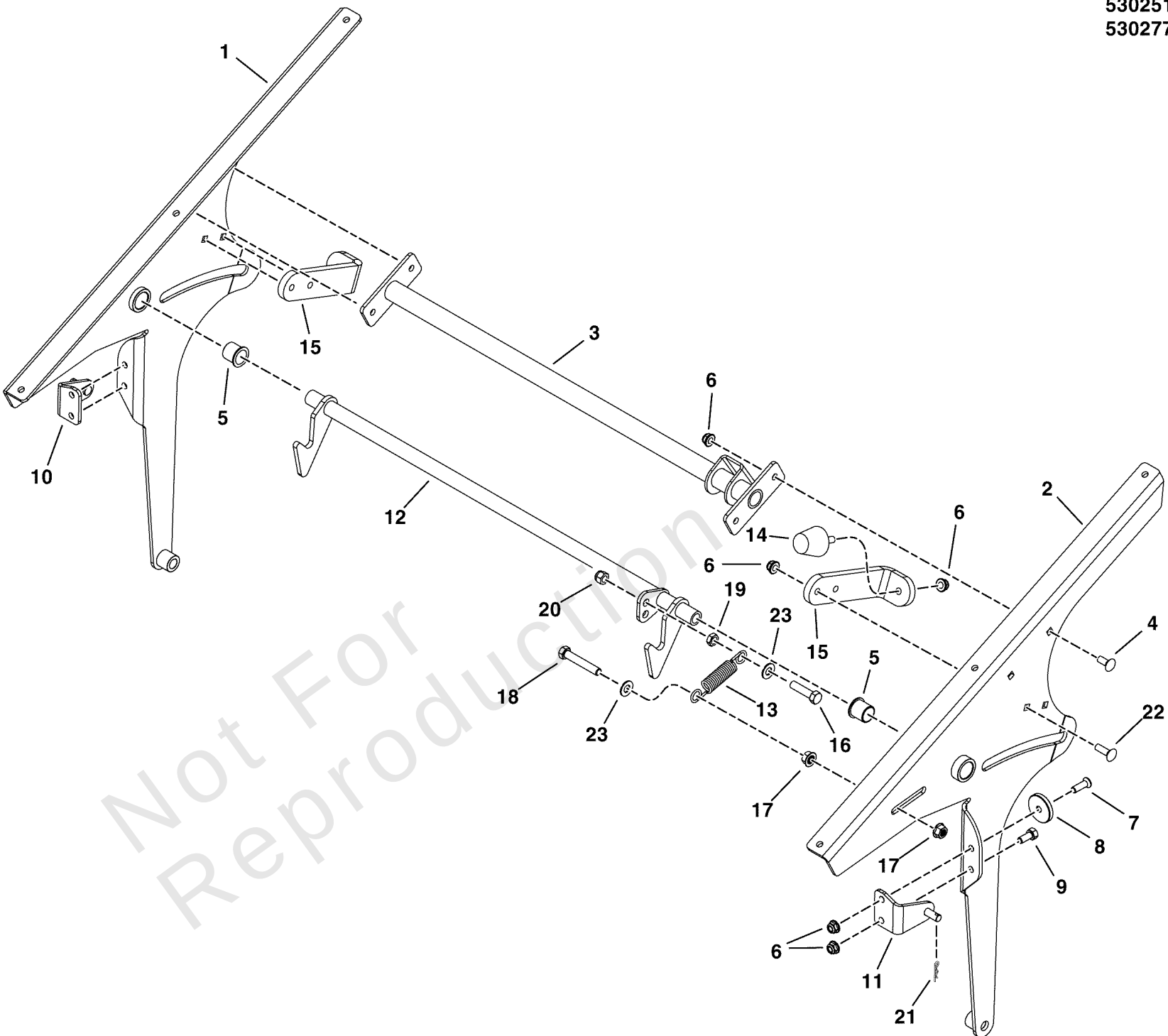
REF NO	PART NO	QTY	DESCRIPTION
1	5406256A	1	WELD, MOUNT ASSY, 3100Z/200X-XT - BLK
2	5407168	1	WELD, LATCH BAR, IS3100/200XT, CZ
3	5407169	1	WELD, LATCH BAR, IS3100/200XT, CZ -(Not an illustrated part)
4	5405730A	2	WELD, PIN LOCK, HOPPER - BLK
5	5102392	2	PLUG, 1 X 2, 10-14 GA. TUBING
6	5407213A	2	PLATE, PIN LOCK - BLK
7	1670578	2	KNOB-INT THR .312-18 4-ARM 2.12WD 1.06LG
8	5102701	2	SPACER, .34 X 1.54 X .25, PL
9	5025594	2	SCREW, 5/16-18X1, PHILLIPS HD. BZ
10	5100009	4	U-BOLT, 3/8 X 1-1/4 -(Units with Round Tube Bumpers)
11	5025394	12	NUT, 3/8-16 HEX NYLOCK FLANGE -(Qty: 14 for S200XT with Kohler Engines)
12	5025013X8	6	BOLT, 3/8-16 X 1" GD5 CZ -(Machines with Flat Plate Bumpers)
13	5025013X12	2	BOLT, 3/8-16 X 1-1/2" GD5 CZ
14	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
15	5100013	2	PIN, HITCH, .50 X 3.25 W/ LAY
16	5025424	2	WASHER, 3/8 X 1 X 1/16, NYLON F/W
17	80002736	2	PIN, 3/32 X .750, COT, ZINC/CLEAR
18	5025158	2	WASHER, 1/2 SAE
19	1715435	2	SPRING, EXTENSION, 1.00
20	5021683	2	BALL JOINT, 3/8-24 FEMALE
21	5025309	2	NUT, 3/8-24 HEX JAM
22	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ -(Models with Flat Plate Bumpers; Qty: 2 Units with 52" Mower Decks)
23	5025293	2	WASHER, 3/8 GD.9 FLAT
24	5412151A	2	BAR, STAY STRAP, 150XT - BLK -(S150XT Models Only)
25	5025156	8	WASHER, 3/8 SAE
26	5025013X14	2	BOLT, 3/8-16 X 1-3/4" GD5 CZ
27	5044933	2	SPACER, .39 X .75 X .38
28	5410718A	2	PLATE, EXTENSION - BLK
29	5412380A	1	BAR, LEFT STAY STRAP, 200XT - BLK -(S200XT Models Only)
30	5412381A	1	BAR, RIGHT STAY STRAP, 200XT - BLK -(S200XT Models Only)

Hopper Support Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600751

5302518
5302775



Hopper Support Group

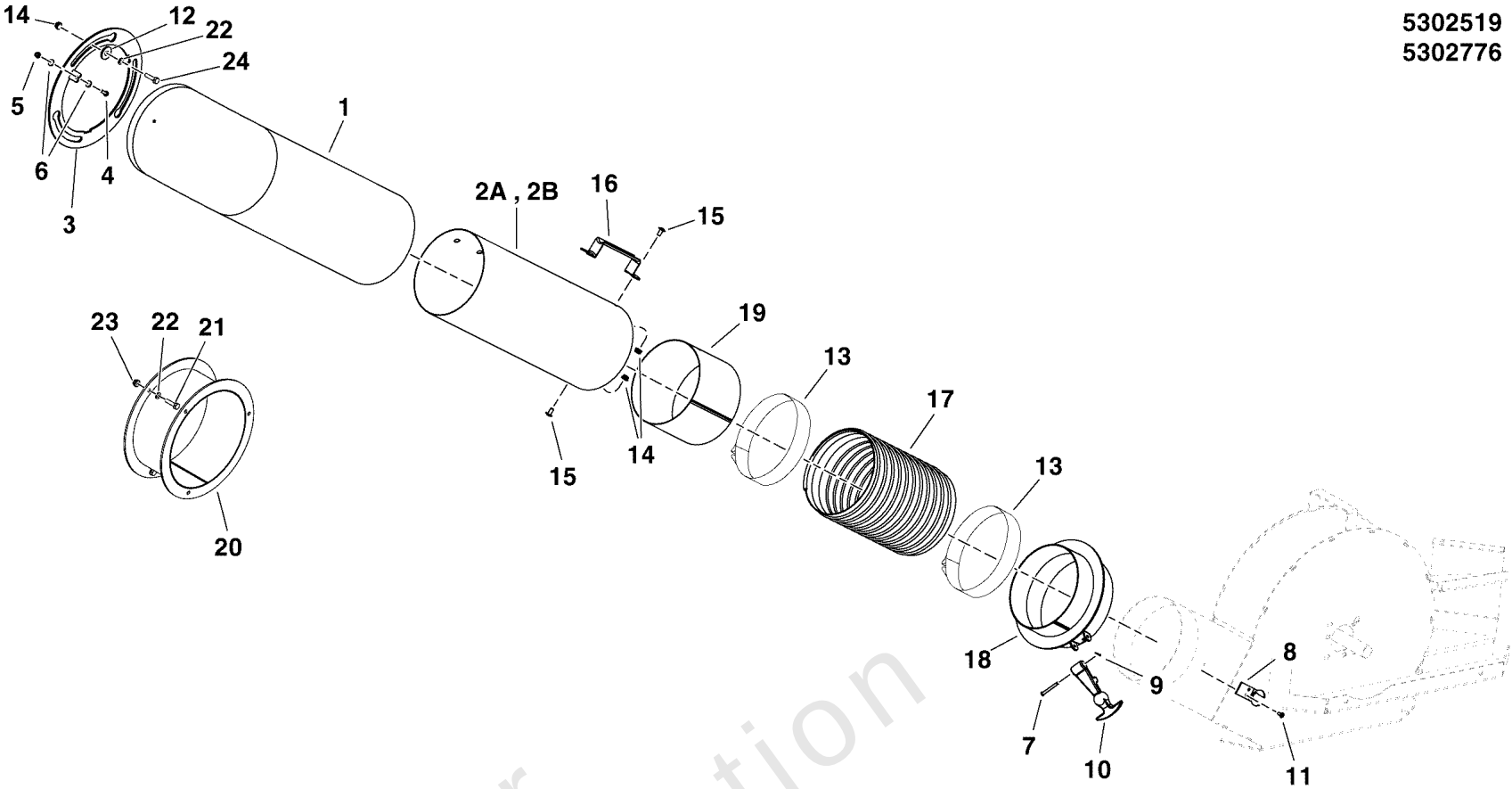
REF NO	PART NO	QTY	DESCRIPTION
1a	5406260A	1	WELD, LEFT SUPPORT, 3100/200 - BLK -(ZTR Models)
1b	5406326A	1	WELD, LEFT SUPPORT, 800 - BLK -(Outfront Models)
2a	5406259A	1	WELD, RIGHT SUPPORT, 3100/200 - BLK -(ZTR Models)
2b	5406327A	1	WELD, RIGHT SUPPORT, 800 - BLK -(Outfront Models)
3	5406254A	1	WELD, TORSION BAR - BLK
4	5025145X6	4	BOLT, 5/16-18 X 3/4, CARRIAGE
5	2176440	2	BUSHING-0.765ID 0.885OD 0.877LG NYLON
6	5025392	14	NUT, 5/16-18 HEX NYLOCK FLANGE
7	5025594	2	SCREW, 5/16-18 X 1 PHILLIPS HD, BZ -(Was 5025303)
8	5102701	2	SPACER, .34 X 1.54 X .25 UHMW
9	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
10a	5407449A	1	WELD, LEFT STOP, HOPPER - BLK -(ZTR Models)
10b	5408335A	1	WELD, LEFT STOP, HOPPER - BLK -(Outfront Models)
11a	5407451A	1	WELD, RIGHT STOP, HOPPER - BLK -(ZTR Models)
11b	5408334A	1	WELD, RIGHT STOP, HOPPER - BLK -(Outfront Models)
12	5407211A	1	WELD, LATCH ASSY, CENTER - BLK
13	5021242	1	SPRING, EXTENSION
14	5022612	2	BUMPER, RUBBER 5/16-18
15	5407170A	2	BAR, STOP, HOPPER - BLK
16	5025013X12	1	BOLT, 3/8-16 X 1-1/2" GD5 CZ
17	5025128	2	NUT, 3/8-16 HEX SERRATED FLANGE
18	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
19	5025084	1	NUT, 3/8-16 HEX JAM
20	5025096	1	NUT, 3/8-16 HEX NYLON LOCK
21	5025211	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ
22	5025145X8	4	BOLT, 5/16-18 X 1, CARRIAGE
23	5025156	2	WASHER, 3/8 SAE

Tube Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600751

5302519
5302776



Not For
Reproduction

Tube Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	5407079	1	ELBOW, ABS PLASTIC, HOPPER
2A	5102388	1	TUBE, IS3100Z, FAST-VAC -(ZTR Models)
2B	5102387	1	TUBE, S800X, FAST-VAC -(Outfront Models)
3	5406308A	1	WELD, FLANGE ASSY - BLK
4	5025179X6	3	SCREW, #10-24 X 3/4 ROUND PHILLIPS
5	5025271	3	NUT, #10-24 HEX NYLON LOCK
6	1910531SM	6	WASHER, Rivet, 3/16
7	5020841X4	2	PIN, CLEVIS
8	5020841X2	2	LATCH, RUBBER, KEEPER
9	5020841X5	2	PIN, COTTER
10	5020841X1	2	LATCH, RUBBER
11	1675044	4	RIVET-POP.188 .429L AL,AL STEM.37HD DIA
12	5109477	3	SPACER, STEP, HOPPER
13	5022875	2	CLAMP, HOSE, UPPER
14	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE
15	5025299X4	3	SCREW, 1/4-20 X 1/2 ALLEN BH
16	720533CK	1	HANDLE CONNECT TUBE, BLACK TEXTURED
17	5102391	1	HOSE, FLEXIBLE, FAST-VAC
18	5407219A	1	WELD, HOSE ATTACHMENT - BLK
19	5406305A	1	WELD, THIMBLE, BAGGER - BLK
20	5412387A	1	WELD, ELBOW EXTENSION, HOPPERS - BLK
21	5025010X8	3	BOLT, 1/4-20 X 1" GD5 CZ
22	5025154	6	WASHER, 1/4 SAE
23	5025391	3	NUT, 1/4-20 HEX NYLOCK FLANGE
24	5025010X6	3	BOLT, 1/4"-20 X 3/4" GD5 YZ

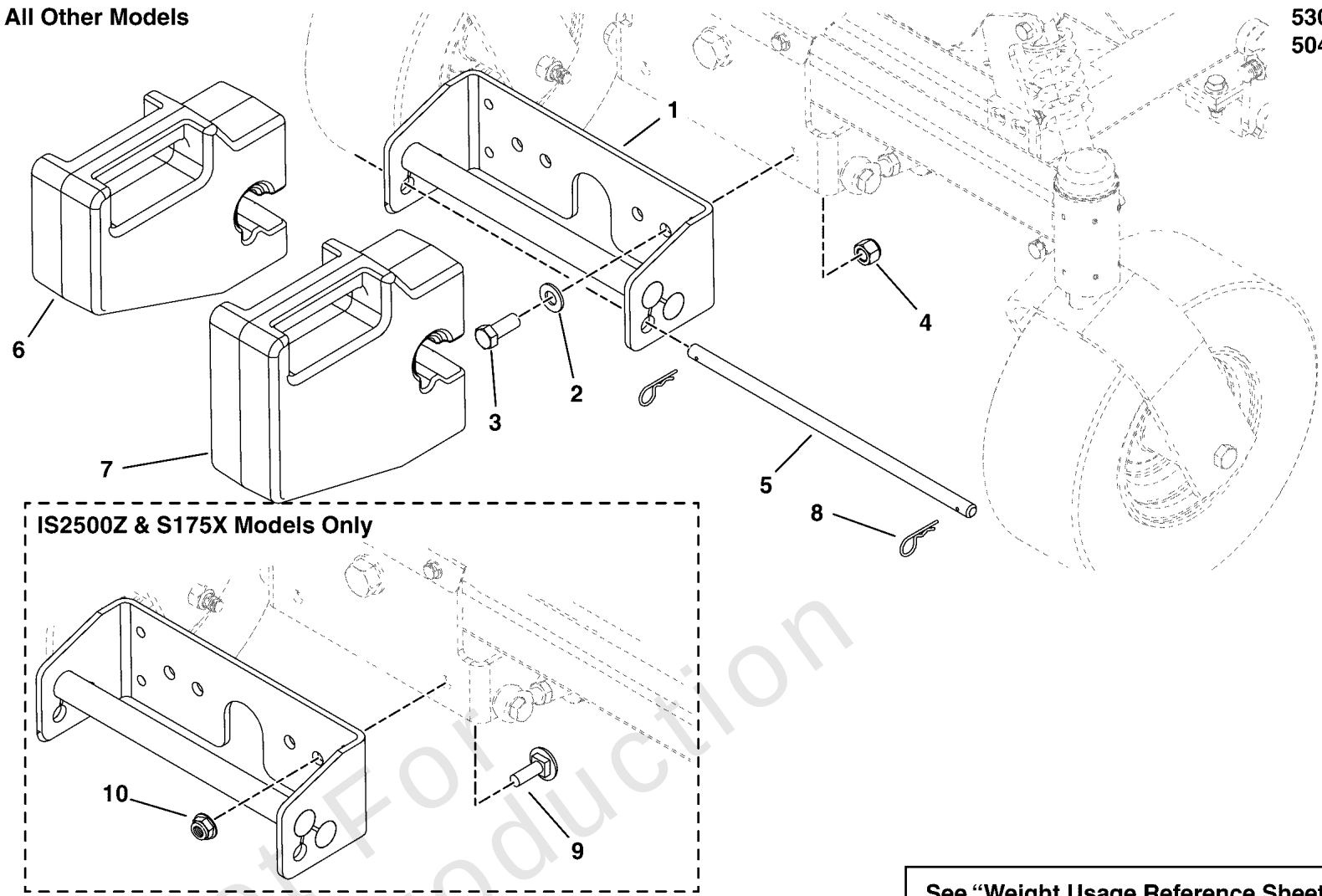
Weight Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600751

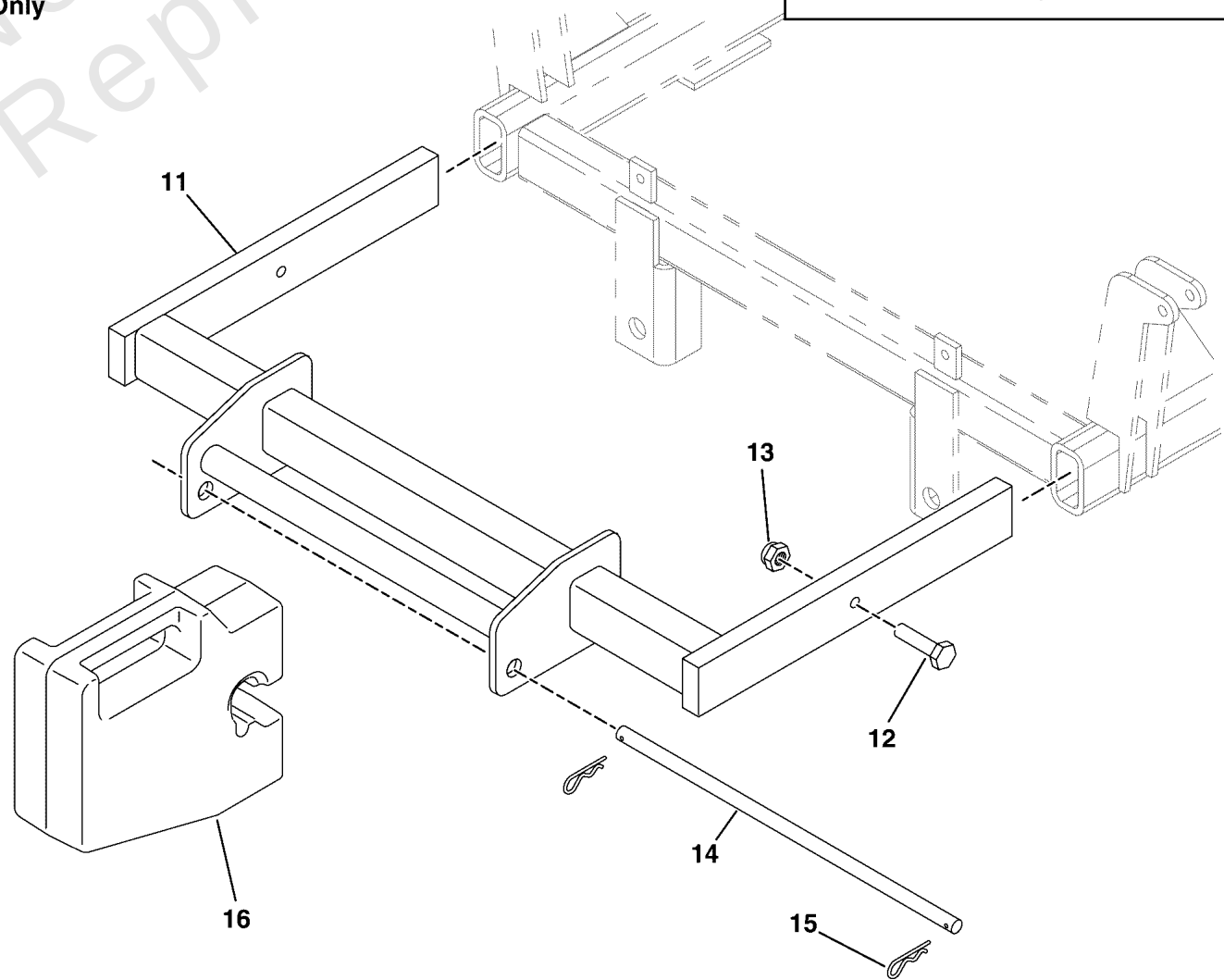
All Other Models

**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 -(See Weight Usage Reference Sheet for Qty)
7	1717627	0	WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED -(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 -(See Weight Usage Reference Sheet for Qty)

Weight Usage Reference Sheet

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600751

Hopper Collection Systems

	S/N: 08/2014 & Below		S/N: 09/2014 & Above	
Kit Number	Weight Part Number	Qty	Weight Part Number	Qty
5600469	1717627	3	1717627	2
5600470	1717627	3	1717627	3
5600745	1717627	3	1717627	2
5600746	1717627	3	1717627	3
5600751	1717627	3	1717627	2
5600752	1717627	3	1717627	2
5600753	1717627	3	1717627	2
5600754	1717627	3	1717627	2
5600755	1717627	3	1717627	2
5600756	1717627	3	1717627	2
5600757	1717627	3	1717627	2
5600758	1717627	3	1717627	2
5600870	1717627	3	1717627	2
5600871	1717627	3	1717627	2

Weight Usage Reference Sheet

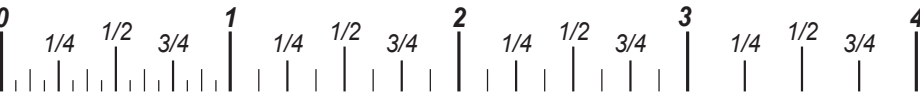
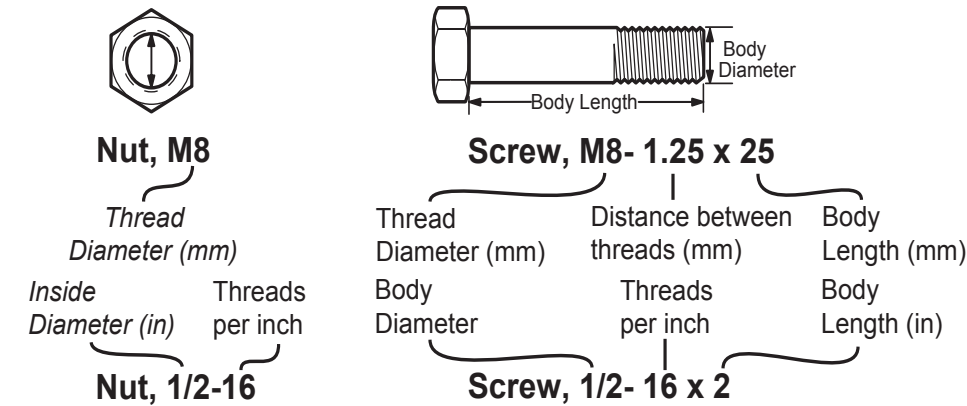
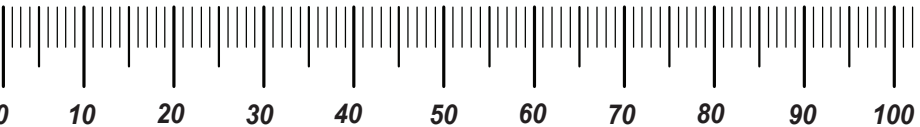
REF NO	PART NO	QTY	DESCRIPTION
1	1700000	0	WEIGHT-QUICK ATTACH 33LBS PAINTED BLACK
2	1717627	0	WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED

Not For Reproduction

Hardware Identification & Torque Specifications

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

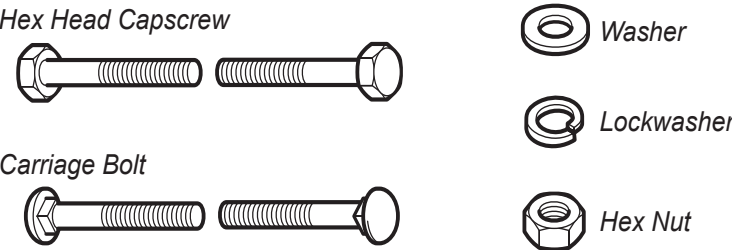
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs 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

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

