

Parts Manual

Mfg. No: 5600775

48" FN Turbo-Pro 2-Bag Grass Collection
System ANSI-EXP

Model Components	Page
2-Bag & 3-Bag Mount Group.	4
2-Bag Catcher & Cover Group.	6
Blower Group, TURBO-Pro.	8
Blower Mount Group, TURBO-Pro.	10
Blower Pulley Group, TURBO-Pro.	12
Decal Group - Turbo Pro Blower S/N: 06/2014 & Below.	16
Decal Group - Turbo Pro Blower S/N: 07/2014 & Above.	18
Weight Mount Group, 66/100/150 LBS.	20
Torque Specification Chart.	22

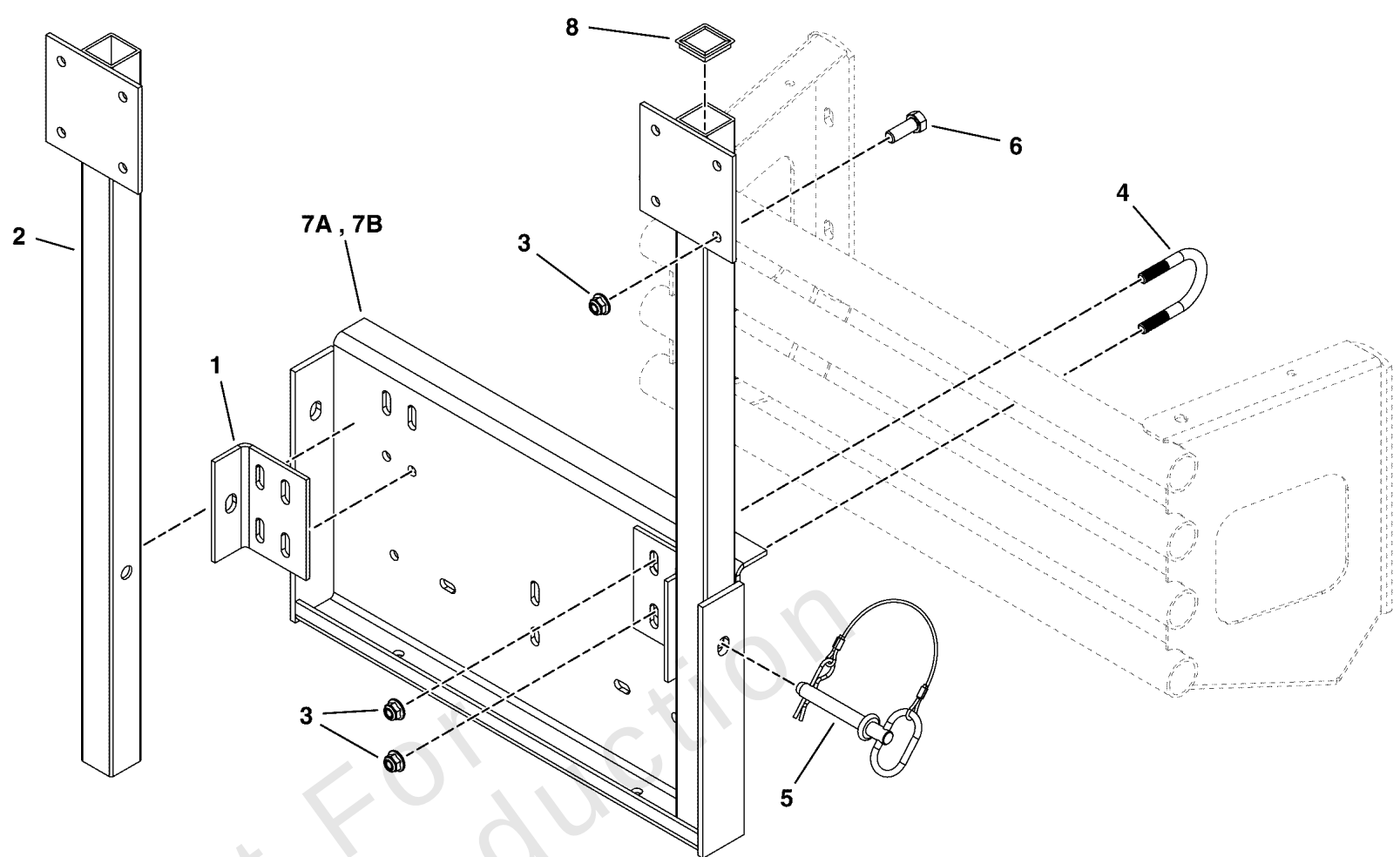
Not For
Reproduction

2-Bag & 3-Bag Mount Group

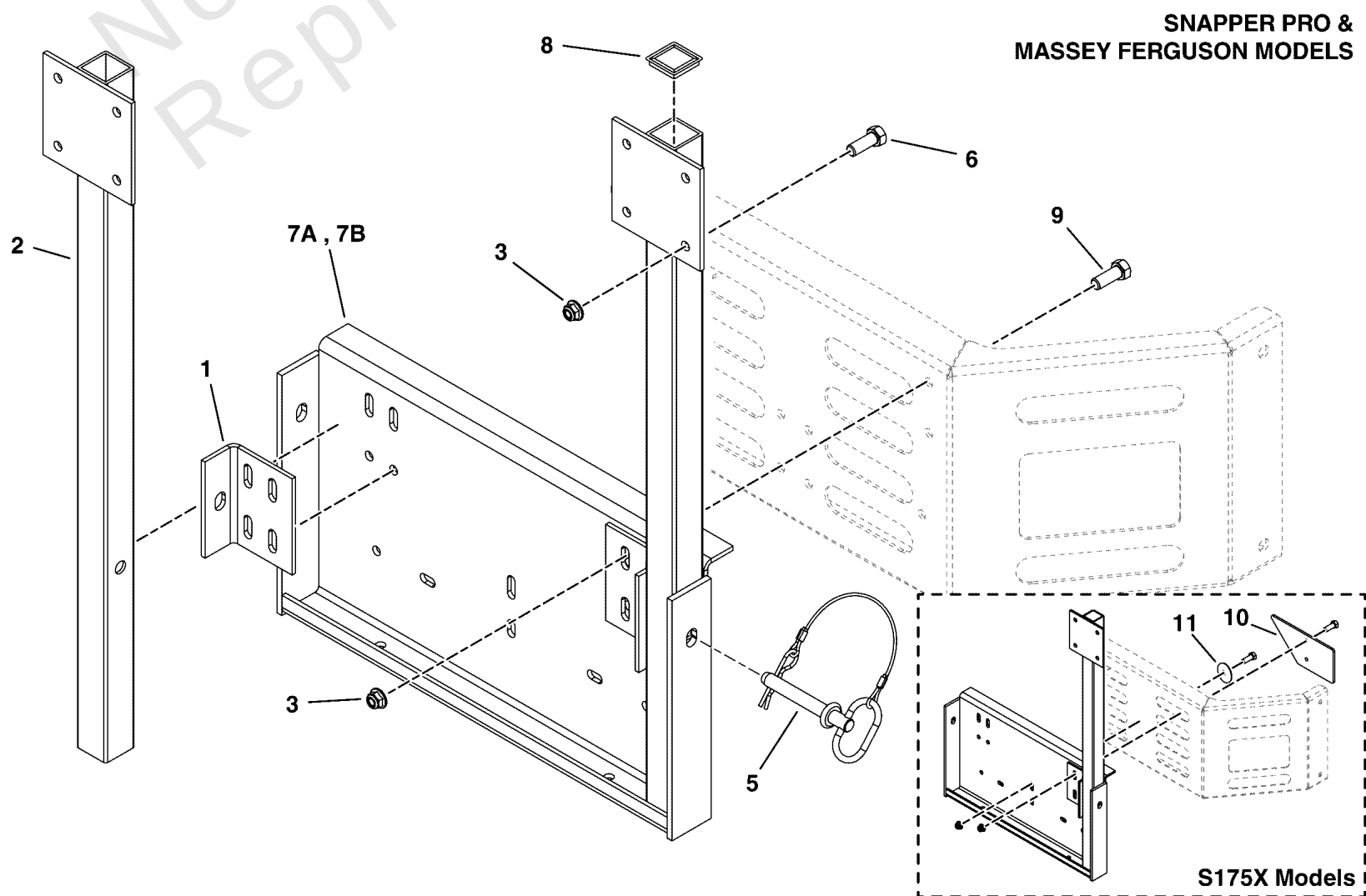
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5300019



FERRIS MODELS



SNAPPER PRO &
MASSEY FERGUSON MODELS

S175X Models

2-Bag & 3-Bag Mount Group

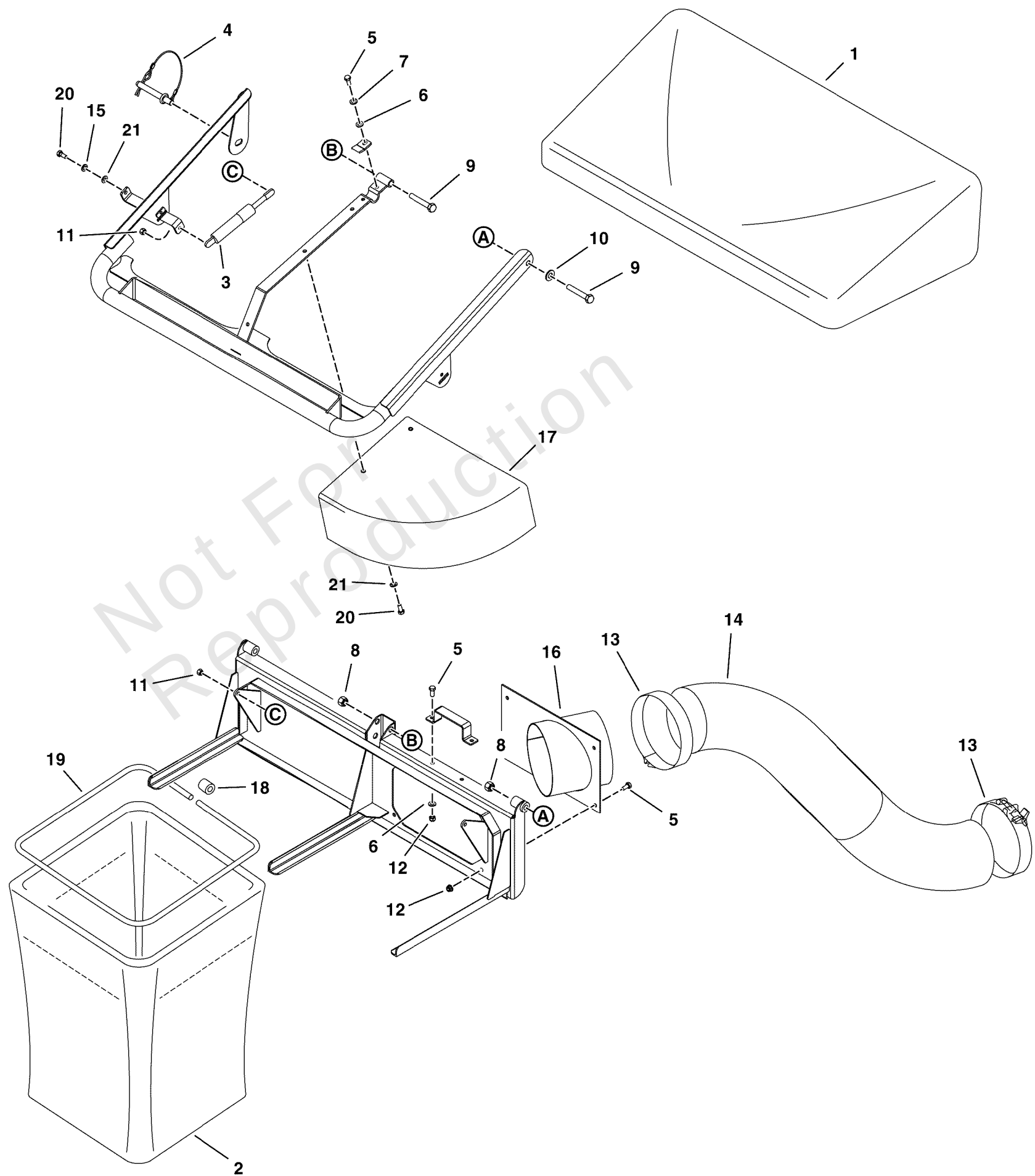
REF NO	PART NO	QTY	DESCRIPTION
1	5402665A	2	BRACKET, BAGGER MOUNT - BLK
2	5400043A	2	WELD, MOUNT, POST - BLK
3	5025394	14	NUT, 3/8 - 16 HEX NYLOCK FLANGE
4	5100009	3	U-BOLT, 3/8" X 1-1/4"
5	5100013	2	PIN, HITCH, .50 X 3.25 W/ LAY (SV)
6	5025013X8	8	BOLT, 3/8-16 X 1" GD5 CZ
7A	5408631A	1	WELD, BAGGER MOUNT, 2 BAG - BLK -(2-Bag Systems)
7B	5400149AYP	1	WELD, BAGGER MNT,1500 -(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

2-Bag Catcher & Cover Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5103522



2-Bag Catcher & Cover Group

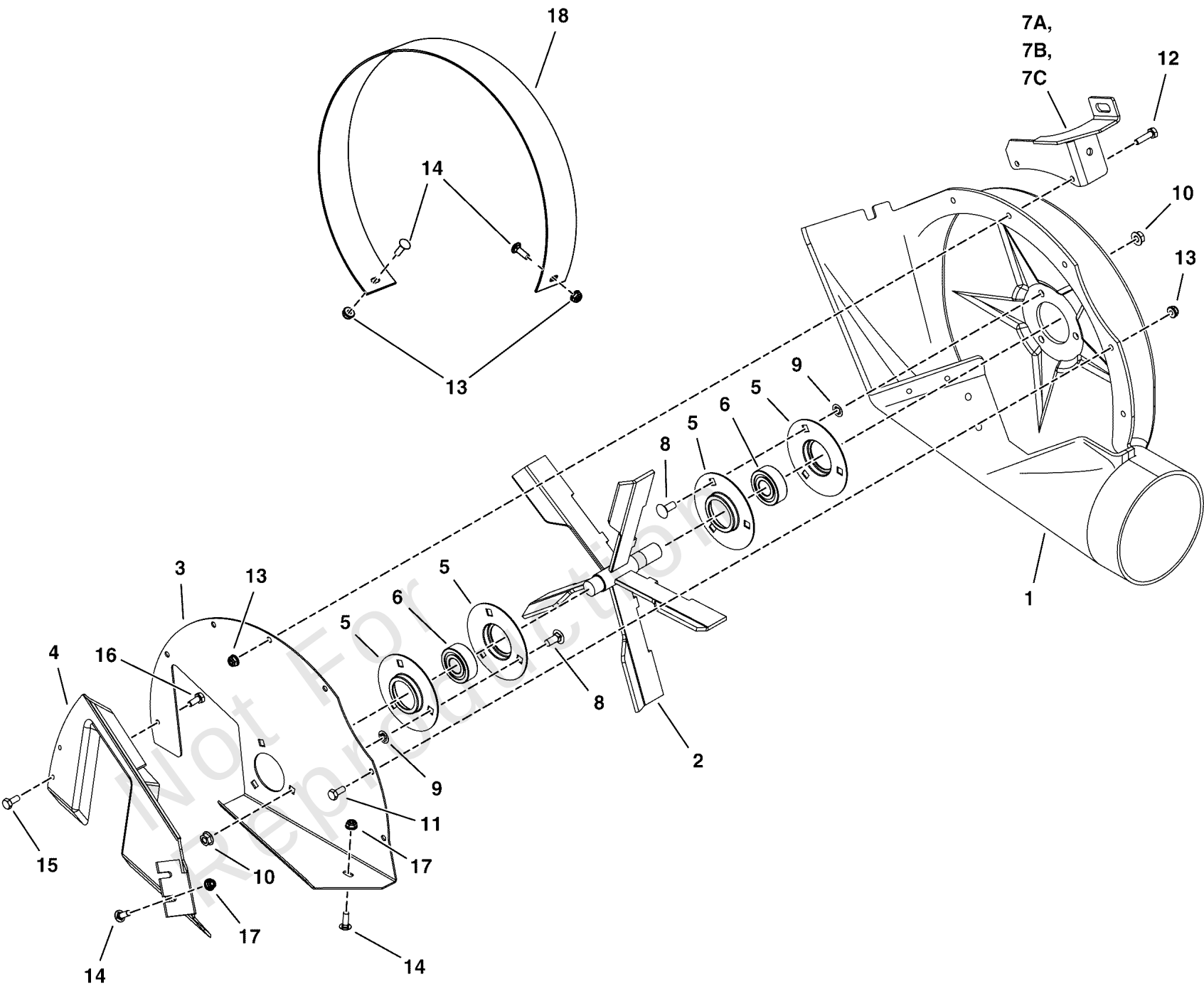
REF NO	PART NO	QTY	DESCRIPTION
1	5100153	1	2-BAG AIR DOME
2	5100150	2	CATCHER BAG W/ HANDLE
3	5100152	2	GAS CYLINDER
4	5100151	1	DETENT PIN W/ LANYARD
5	5025011X6	7	BOLT, 5/16-18 X 3/4 GD5
6	5025155	3	WASHER, 5/16" SAE
7	5025170	1	WASHER, 5/16 LOCK CZ
8	5025056	3	NUT, 1/2-13 HEX NYLON LOCK
9	5025018X24	3	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	6	NUT, 5/16-18 HEX NYLOCK FLANGE
13	5103469	2	CLAMP, 6" UPPER & LOWER, COLLECTORS
14	5103471	1	HOSE, FLEXIBLE, 6" DIA X 54"
15	5025169	2	WASHER, 1/4 LOCK
16	5409020AYP	1	INLET
17	5409166A	1	WELD, DEFLECTOR - BLK
18	5100730	1	BAG FRAME CONNECTOR, PLASTIC
19	5100729	1	BAG FRAME
20	-----	2	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
21	5025154	4	WASHER, 1/4 SAE

Blower Group, TURBO-Pro

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5303070



Blower Group, TURBO-Pro

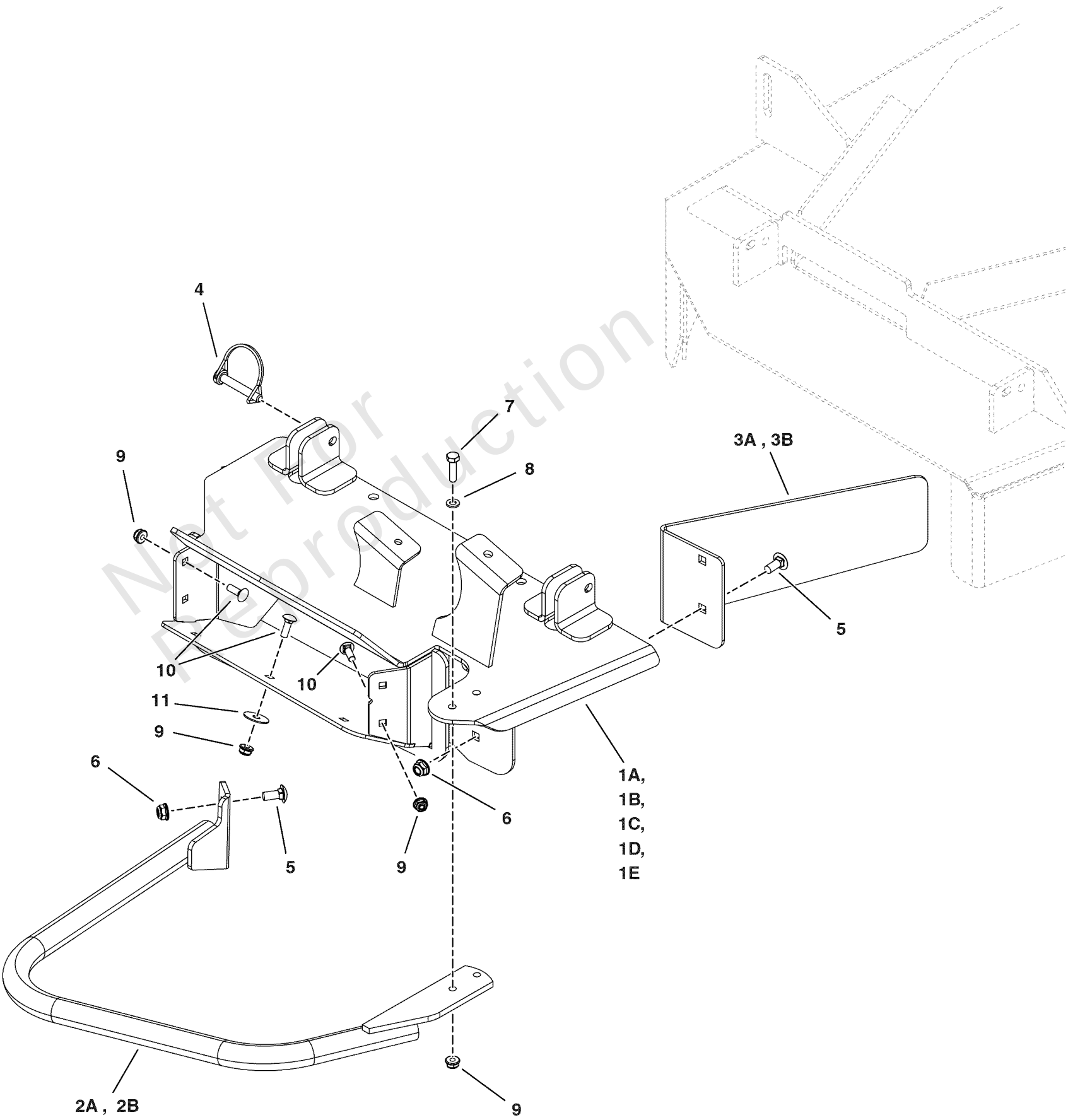
REF NO	PART NO	QTY	DESCRIPTION
1	5412569	1	ASSM, HOUSING W/ INTERNAL RING, TURBO
2	5409207	1	WELD, FAN ASSEMBLY, TURBO
3	5409023A	1	PLATE, BLOWER TURBO - BLK
4	1705267	1	PLATE-COVER,BLACK POLY FOR LTH MDVS
5	1665982	4	RETAINER, BEARING CLEAR ZINC
6	2108202	2	BEARING-BALL 0.750ID 1.780OD 0.610LG
7a	5409525A	1	WELD, ANCHOR ASSEMBLY, 48/52 - BLK -(52" & 48" Mower Decks)
7b	5409524A	1	WELD, ANCHOR ASSEMBLY, 44 - BLK -(44" Mower Decks)
7c	5410286A	1	WELD, SPRING ANCHOR, 61 TP - BLK -(61" Mower Decks)
8	5025145X6	6	BOLT, 5/16-18 X 3/4, CARRIAGE
9	5025498	6	5/16 PUSH-ON NUT RETAINER, STL, CZ
10	5025127	6	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
11	-----	4	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR
12	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
13	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE
14	80003518	5	BOLT,1/4-20X0.750,GR5,STD NECK,SQ,ZC/CL
15	1927429	2	SCREW-HEX WSHR HD TAPTT 1/4-20X0.625 BLK
16	1925003	1	SCREW-HEX WSHR HD TAPTT 1/4-20X0.500 BLK
17	5025126	3	NUT, 1/4-20 HEX SERR. FLANGE
18	-----	1	REPLACE WITH PART LABELLED #1

Blower Mount Group, TURBO-Pro

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5303097



Blower Mount Group, TURBO-Pro

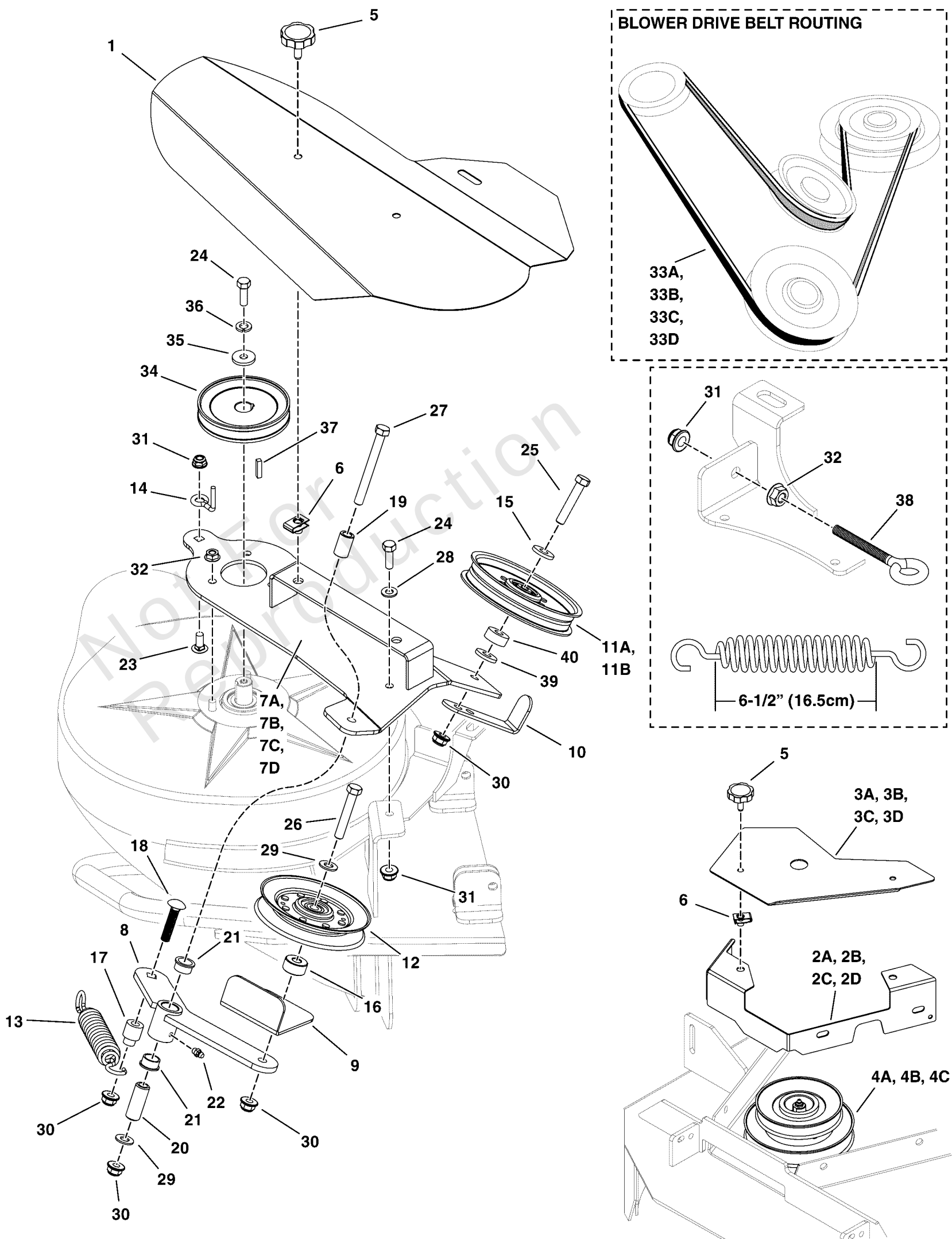
REF NO	PART NO	QTY	DESCRIPTION
1a	5409608A	1	WELD, 52" ADAPTER, BLOWER - BLK -(52" Mower Decks)
1b	5409646A	1	WELD, 48ICD ADAPTER, BLOWER - BLK -(48" iCD Mower Decks)
1c	5409681A	1	WELD, 48FN ADAPTER, BLOWER - BLK -(48" Standard Mower Decks)
1d	5409665A	1	WELD, 44FN ADAPTER, BLOWER - BLK -(44" Mower Decks)
1e	84007756	1	ADAPTER, Mounting -(61" Mower Decks)
2a	5409384A	1	WELD, NERF BAR, 52" ICD - BLK -(52" Mower Decks)
2b	5409283A	1	WELD, NERF BAR, 44 & 48 - BLK -(48" & 44" Mower Decks)
3a	5409607A	1	DECK WEDGE, 52" - BLK -(52" Mower Decks)
3b	5410117A	1	DECK WEDGE 61" TP - BLK -(61" Mower Decks)
4	5100847	2	SNAPPERPIN, 5/16 X 2
5	5025145X6	4	BOLT, 5/16-18 X 3/4, CARRIAGE
6	5025392	4	NUT, 5/16-18 HEX NYLOCK FLANGE
7	5025010X8	2	BOLT, 1/4-20 X 1" GD5 CZ
8	5025154	2	WASHER, 1/4 SAE
9	5025391	9	NUT, 1/4-20 HEX NYLOCK FLANGE
10	80003518	7	BOLT,1/4-20X0.750,GR5,STD NECK,SQ,ZC/CL
11	5025288	3	WASHER, 1/4 FENDER

Blower Pulley Group, TURBO-Pro

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5303091



Blower Pulley Group, TURBO-Pro

REF NO	PART NO	QTY	DESCRIPTION
1	5600614	1	HOOD W/ DECALS - TURBO VAC
2a	5409534A	1	GUARD, DECK, 48/52 - BLK -(All 48" Decks; All other 52" Decks)
2b	5409633A	1	GUARD, DECK, 52" -BLK -(S175XY20-52"; IS1500ZX-52"; IS2000Z-52", IS2500ZY20-52"; IS2100Z-52")
2c	5409545A	1	GUARD, DECK, TRBO-VAC, 44 - BLK -(44" Mower Decks)
2d	84012937	1	GUARD, PULLEY -(61" Mower Decks)
3a	5409536A	1	PLATE, TOP GUARD, 48/52 - BLK -(All 48" Decks; All other 52" Decks)
3b	5409634A	1	PLATE, TOP GUARD, 52 - BLK -(S175XY20-52"; IS1500ZX-52"; IS2000Z-52", IS2500ZY20-52"; IS2100Z-52")
3c	5409546A	1	PLATE, TOP GUARD, 44 - BLK -(44" Mower Decks)
3d	5410223AA	1	PLATE, TOP GUARD, 61" - BLK -(61" Mower Decks)
4a	5103468	1	PULLEY, DOUBLE, 52" DECK -(52" Mower Decks)
4b	5023176	1	PULLEY, BLOWER 48" DECK -(48" & 44" Mower Decks)
4c	5103682	1	DOUBLE PULLEY, DECK, 61" TP -(61" Mower Decks)
5	5101731	5	KNOB, 5/16-18 X 1.00, ROSETTE BLACK
6	1935255	5	NUT, Speed, Lug Type, 5/16-18
7a	5409888	1	ASSEMBLY, PULLEY PLATE, 52" -(52" Mower Decks)
7b	5409887	1	ASSEMBLY, PULLEY PLATE, 48" -(48" Mower Decks)
7c	5409886	1	ASSEMBLY, PULLEY PLATE, 44" -(44" Mower Decks)
7d	5417340	1	ASSEMBLY, PULLEY PLATE, 61 - TURBO -(61" Mower Decks)
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: *)
11a	5101193	1	PULLEY-IDLER, 5.00OD, .385ID, .75W, STL -(52" Mower Decks)
11b	1725408	1	PULLEY-IDLER 04.00 OD 0.378ID 1.06 W BRG -(48", 44", & 61" Mower Decks)
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	1922755	1	WASHER-0.375(0.41IDX1.00ODX.13THK)BLK
16	5046860	1	SPACER, .39 X 1.00 X .50, PM, CZ
17	1706644	1	SPACER,3/8X3/4X15/16
18	1931353	1	BOLT-RD HD SH SQ NK 3/8-16X1.750 G5 BLK
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

Footnotes:

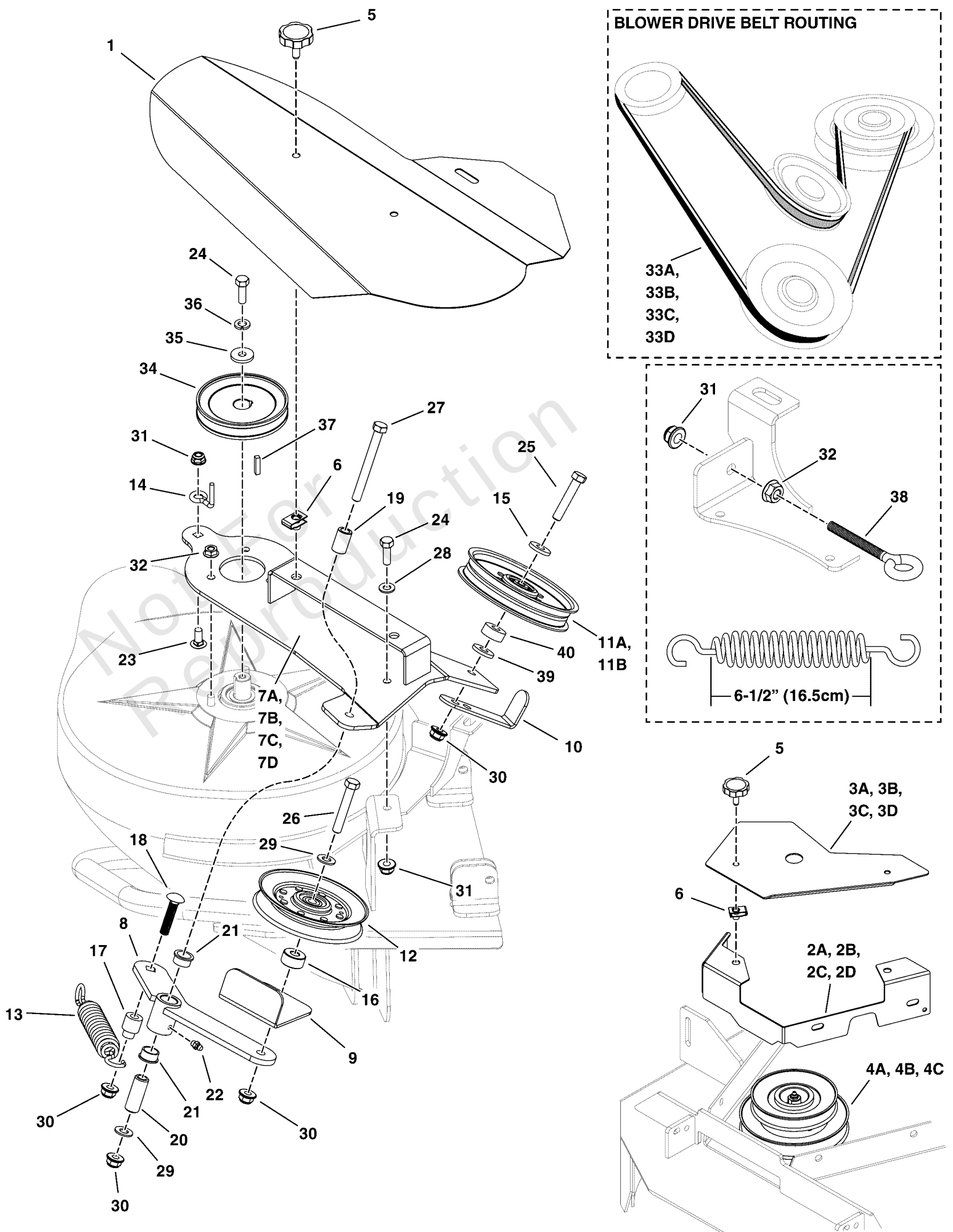
Note: *The hole closest to the bend is for models with 44", 48" or 61" decks. The hole furthest from the bend is for models with 52" decks.

Blower Pulley Group, TURBO-Pro

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5303091



Blower Pulley Group, TURBO-Pro

REF NO	PART NO	QTY	DESCRIPTION
24	5025011X8	2	BOLT, 5/16-18 X 1" GRD5 YZ
25	80003522	1	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR
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	5	NUT, 3/8 - 16 HEX NYLOCK FLANGE
31	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
32	5025127	4	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
33a	5022931	1	BELT, HA-SEC, 72.4EL, ARAMID, WRPD -(52" Mower Decks)
33b	5105189	1	BELT, SPA-SEC, 66.26" EL, ARAMID, WRAPED -(48" Mower Decks)
33c	5022918	1	BELT, HA-SEC, 70.40EL, ARAMID, WRPD -(44" Mower Decks)
33d	5103805	1	BELT, A SEC, 80.1"EL, ARAMID, WRPD -(61" Mower Decks)
34	5103454	1	PULLEY, 4.3"OB X 3/4"ID, BLOWER
35	1919381	1	WASHER-0.312(0.34IDX1.00ODX.13THK)BLK
36	5025170	1	WASHER, 5/16 LOCK CZ
37	5050403X4	1	KEY, 3/16" SQ. X 3/4
38	5025141X26	1	EYE BOLT,5/16-18 X3.5,2.13THRD,.55EYE,CZ
39	5025165	1	WASHER, 3/8" Fender -(48", 44", & 61" Mower Decks)
40	1667811	1	SPACER-0.390ID 0.90 OD 0.34 LG P'MTL YEL -(48", 44", & 61" Mower Decks)

Footnotes:

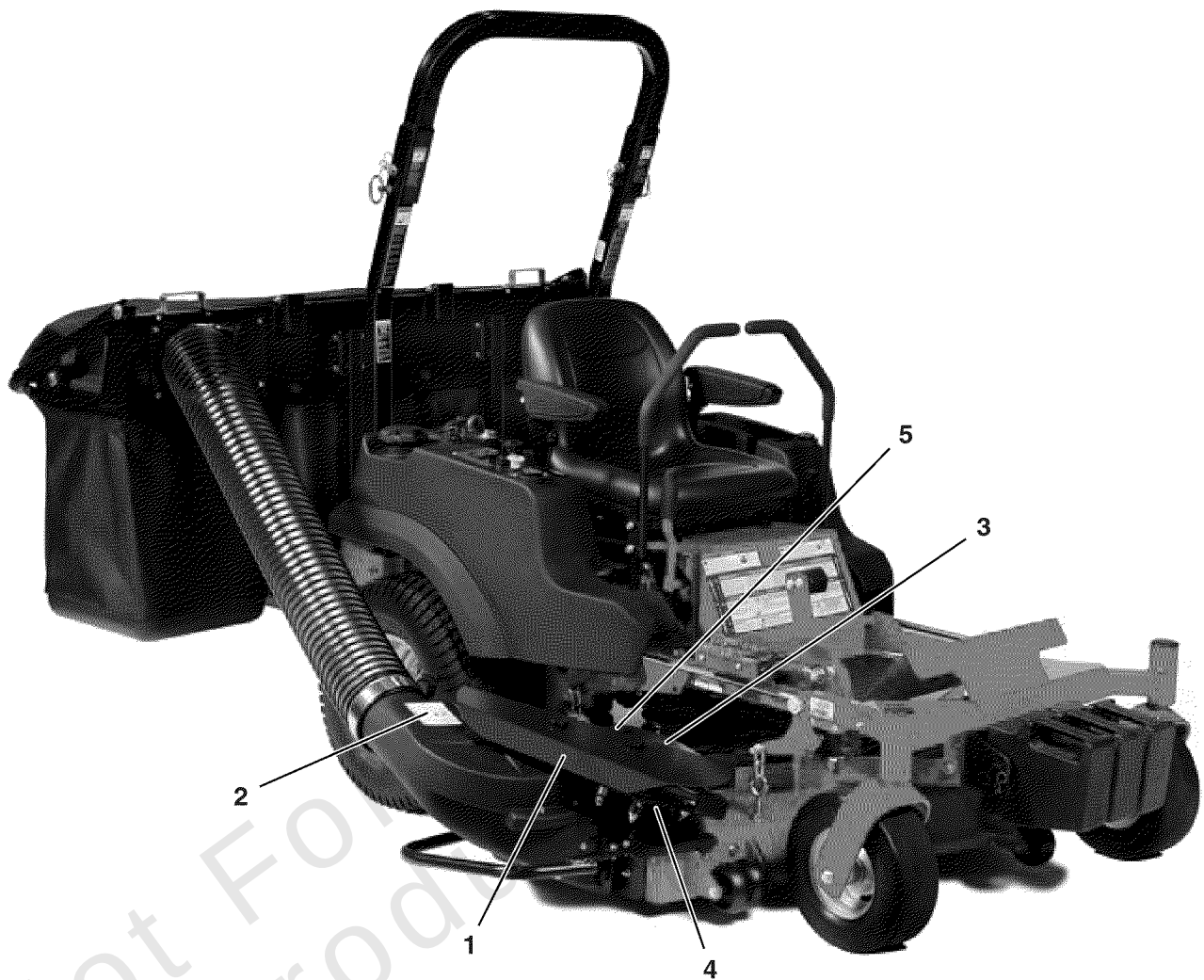
Note: *The hole closest to the bend is for models with 44", 48" or 61" decks. The hole furthest from the bend is for models with 52" decks.

Decal Group - Turbo Pro Blower S/N: 06/2014 & Below

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5303095



1 — **TURBO-Pro™**

2 —

⚠ DANGER

Rollover Hazard

- When operating on slopes, use front counter-weights.
- Do NOT operate on slopes over 10°.

Amputation and Thrown Objects Hazard

- High speed discharge can cause injury or death. Do NOT run blower without discharge tube, hood and bags installed and latched.

5103518

3 —

⚠ WARNING

Amputation and Pinch Point Hazard

To avoid injury from rotating parts, stay clear of parts and keep all shields and guards in place.

5103184

4 —

Model Number: 5901250

Blower Drive Belt	
Deck Size	Part Number
44"	5022918
48"	5022173
52"	5022931
61"	5103805

5103804

5 —

⚠ DANGER

Amputation and thrown objects hazard

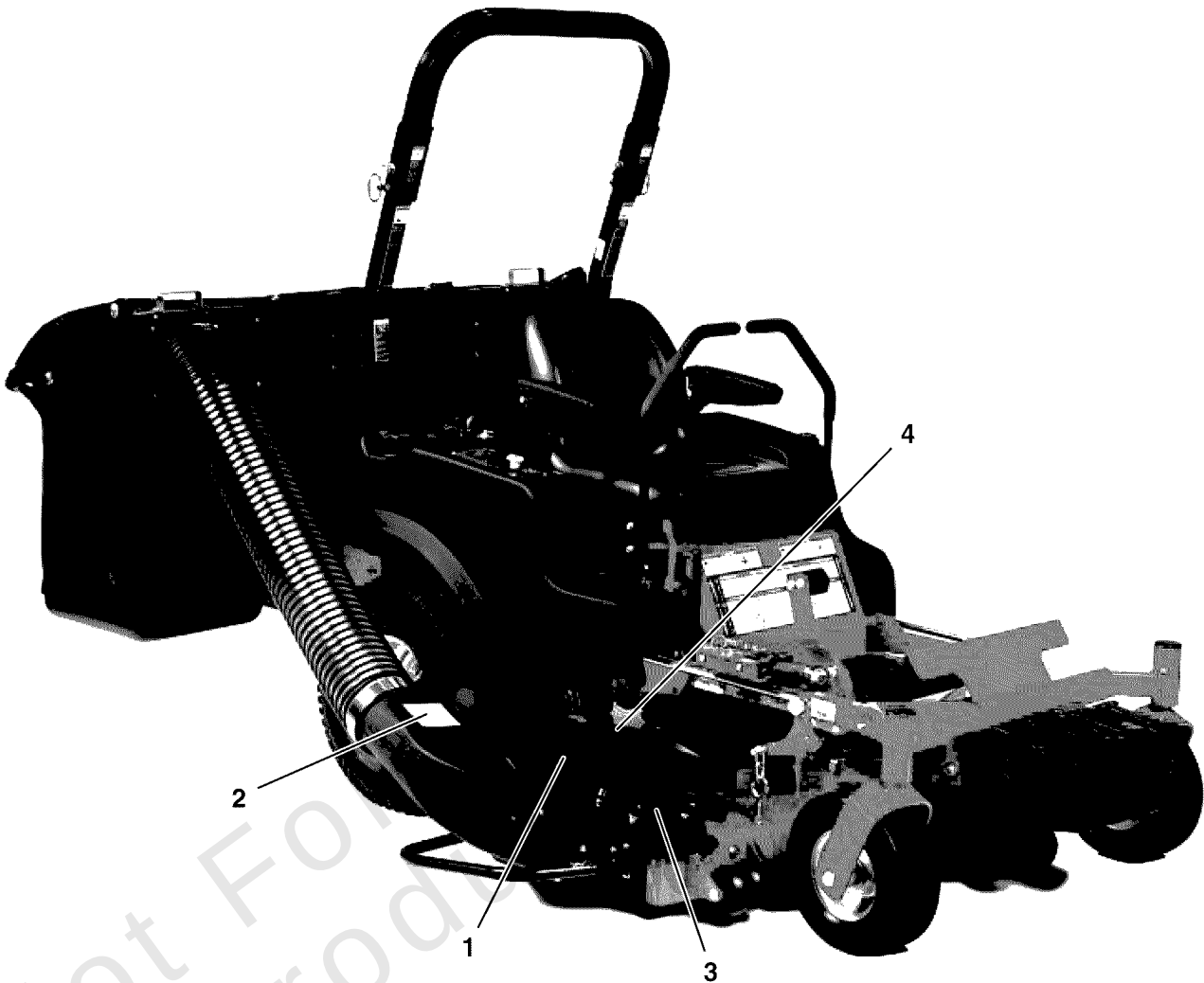
- Keep hands and feet away from deck.
- Do not operate mower unless discharge chute or entire grass catcher is in its proper place.

7101685

Decal Group - Turbo Pro Blower S/N: 06/2014 & Below

REF NO	PART NO	QTY	DESCRIPTION
1	5103559	1	DECAL, TURBO-PRO
2	5103518	1	DECAL, DANGER, TURBO-PRO
3	5103184	1	DECAL, WARNING, HAND IN BELT, ENG
4	5103804	1	DECAL, BELT, TURBO-PRO, ALL
5	7101665	1	DECAL, DANGER DO NOT OPERATE W/O DEFLECT

Not For Reproduction



1 — **TURBO-Pro™**

2 —

3 —

Model Number: 5901250

Blower Drive Belt	
Deck Size	Part Number
44"	5022918
48"	5022173
52"	5022931
61"	5103805

5103804

4 —

Decal Group - Turbo Pro Blower S/N: 07/2014 & Above

REF NO	PART NO	QTY	DESCRIPTION
1	5103559	1	DECAL, TURBO-PRO
2	5104313	1	DECAL, BLOWER, SMALL, ICONS
3	5103804	1	DECAL, BELT, TURBO-PRO, ALL
4	5104314	1	DECAL, BLOWER, MAIN, LARGE, ICONS

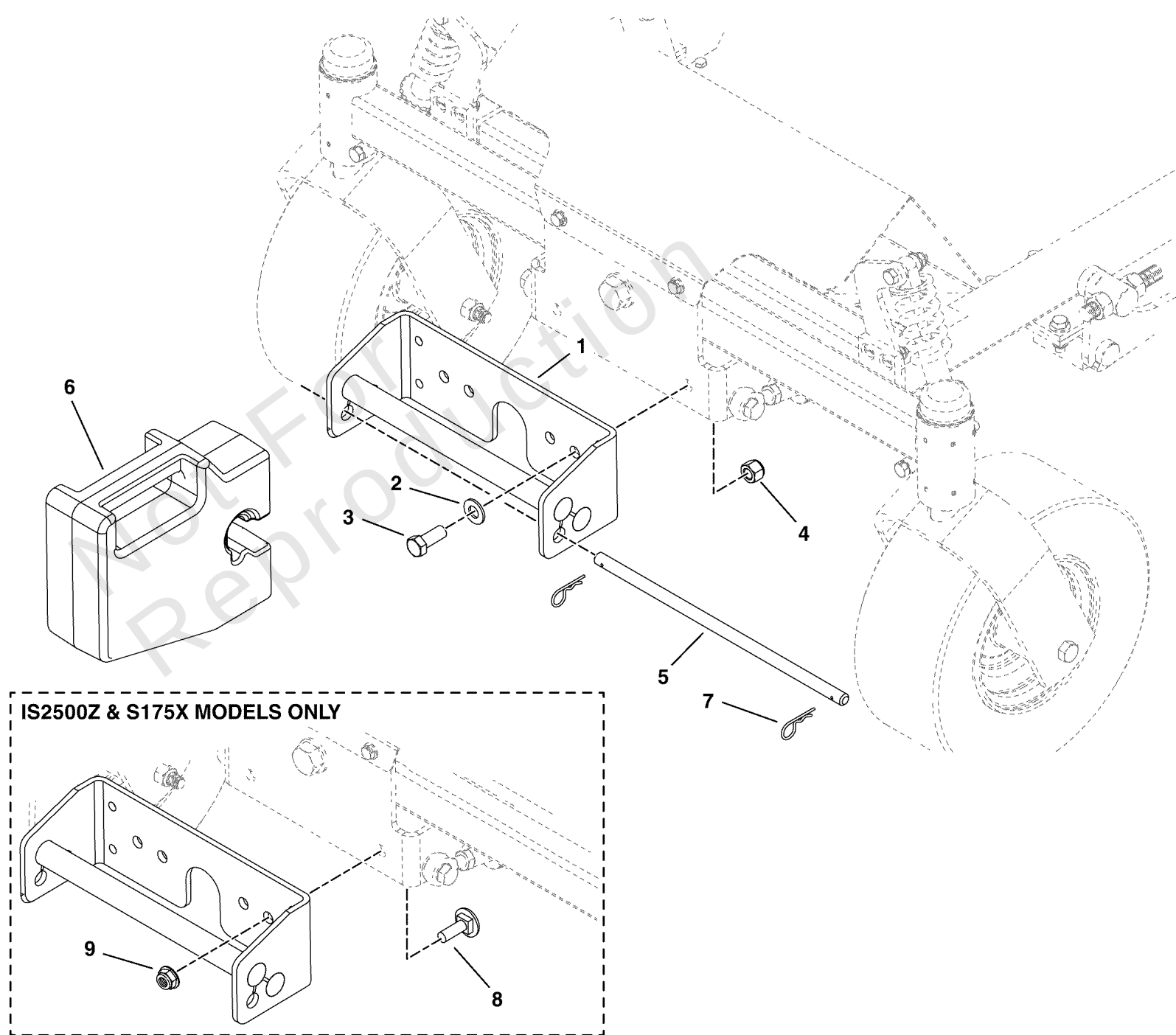
Not For Reproduction

Weight Mount Group, 66/100/150 LBS

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600775

5300189



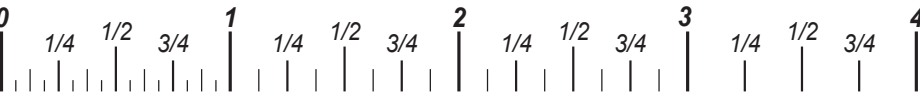
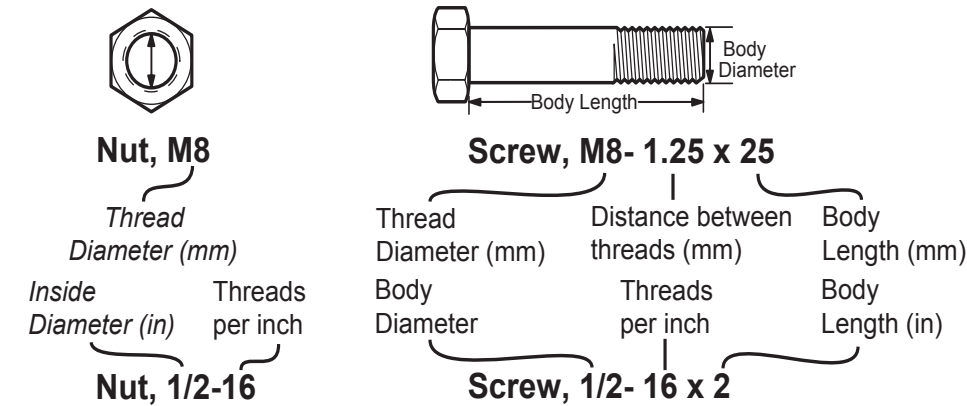
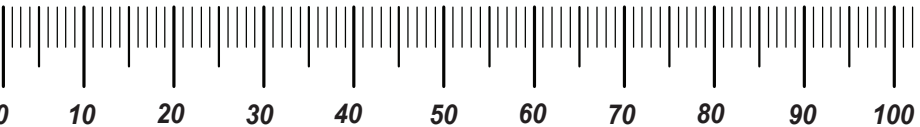
Weight Mount Group, 66/100/150 LBS

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	1717627	2	WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED -(2-Bag Collection System - S/N: 08/2014 & Below)
6	1717627	3	WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED -(3-Bag Collection System - S/N: 08/2014 & Below)
6	1700000	3	WEIGHT-QUICK ATTACH 33LBS PAINTED BLACK -(2-Bag Collection System - S/N: 09/2014 & Above)
6	1717627	3	WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED -(3-Bag Collection System - S/N: 09/2014 & Above)
8	5025324X10	2	BOLT, CARRIAGE 1/2-13 X 1-1/4 GD.5
7	5025210	2	PIN, HAIR, .0915 X 1-7/8
9	5025396	2	NUT, Hex Flange, Nylock, 1/2-13

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).

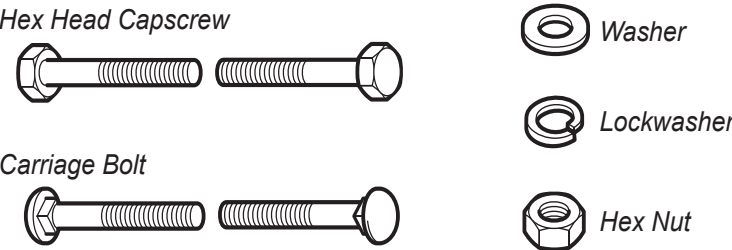
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

