

Parts Manual

Mfg. No: 5600610
48" TURBO-Pro 2-Bag Grass Collection
System

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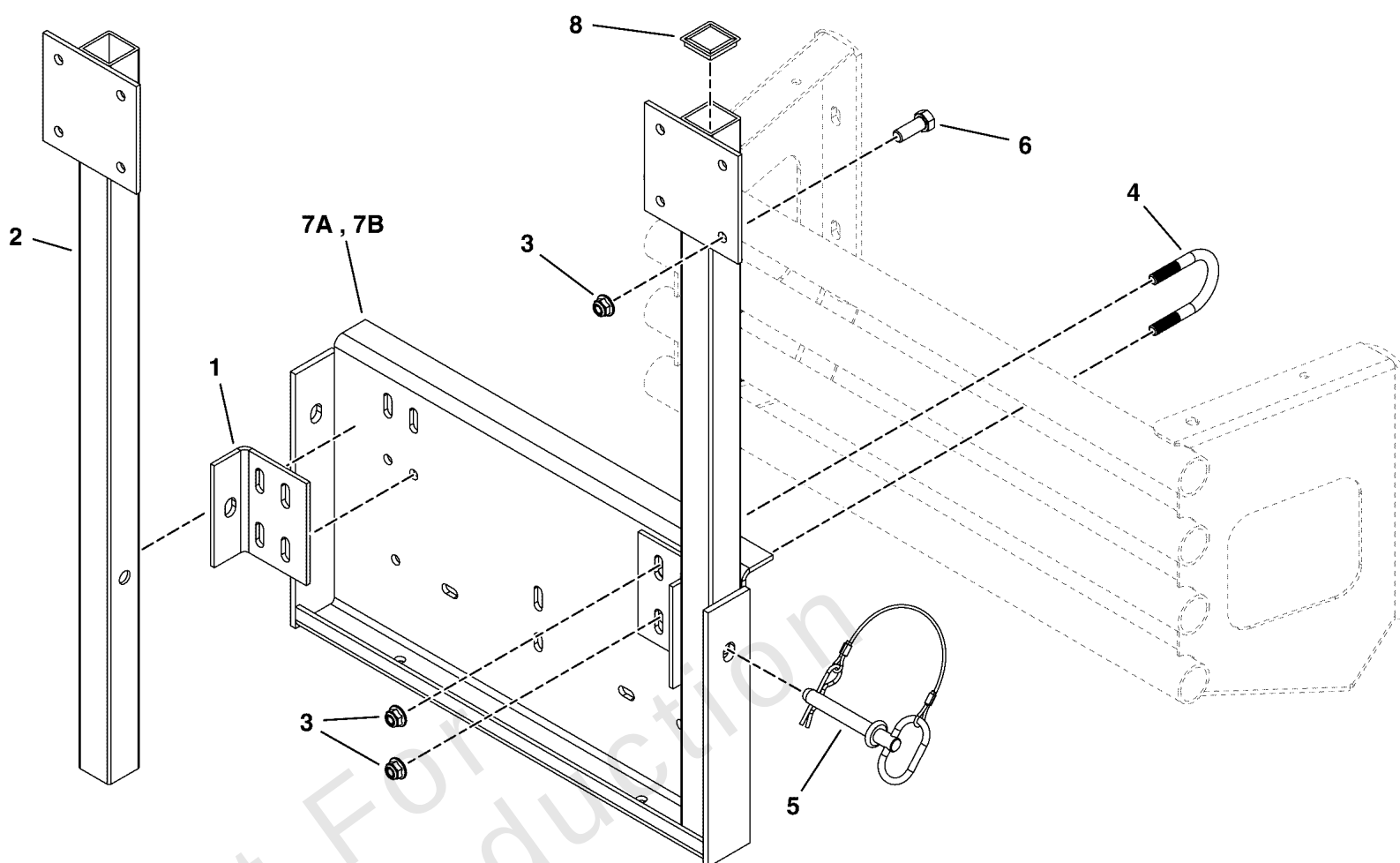
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2-Bag & 3-Bag Mount Group

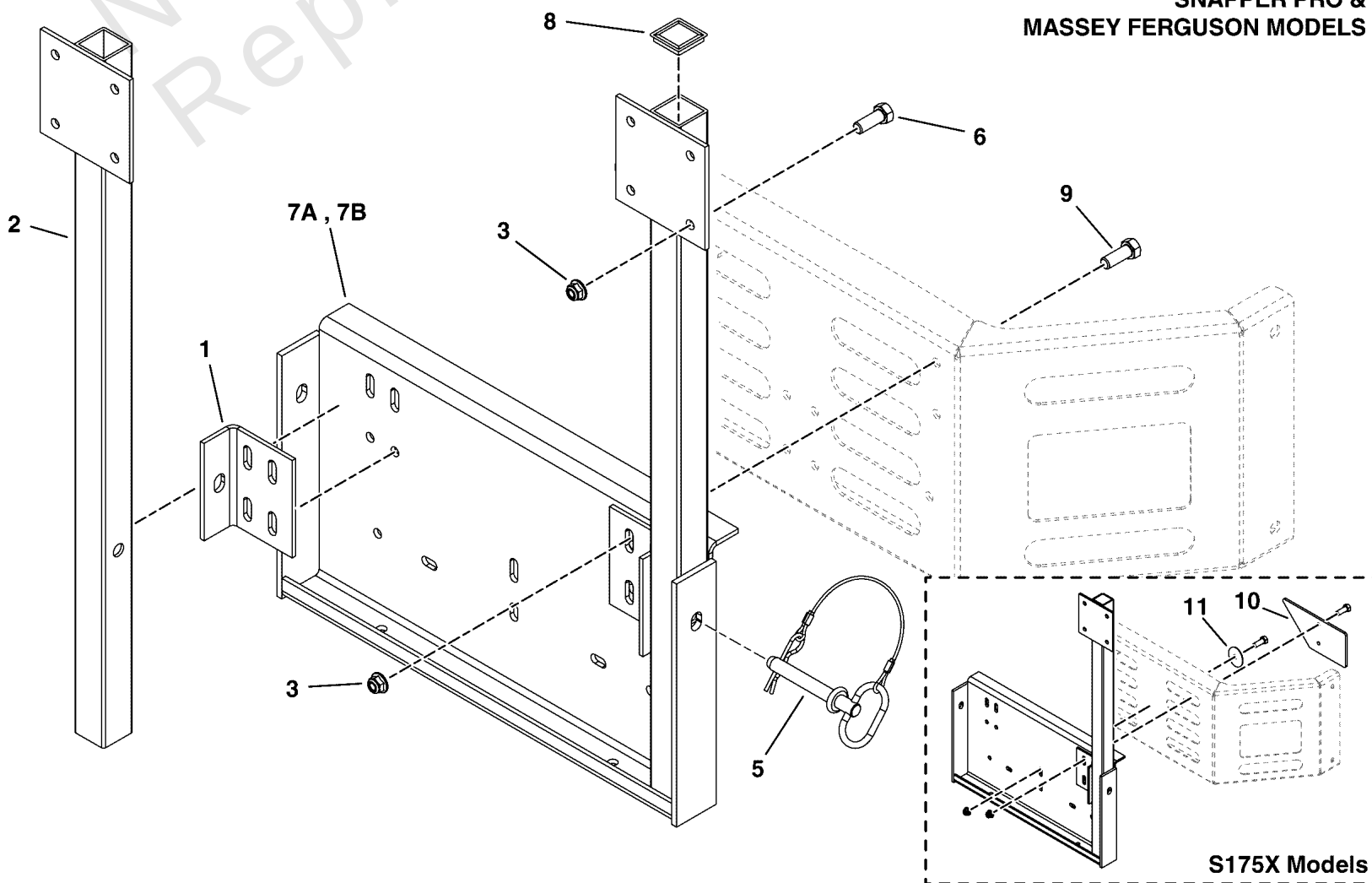
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600610

5300019



FERRIS MODELS



S175X Models

2-Bag & 3-Bag Mount Group

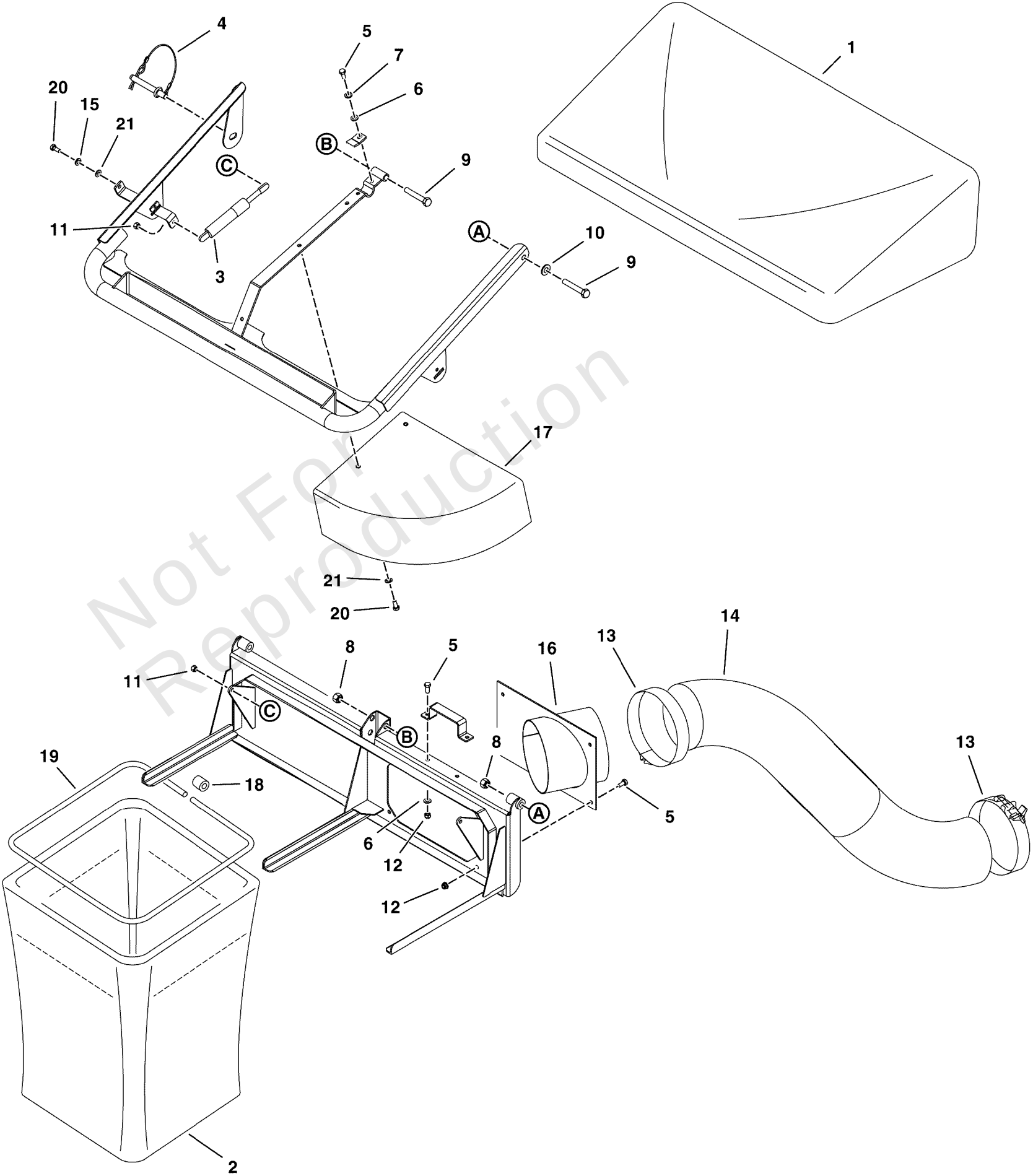
REF NO	PART NO	QTY	DESCRIPTION
1	5402665AYP	2	BRACKET-MOUNTING
2	5400043AYP	2	WELD, MOUNT, POST - B
3	5025394SM	14	NUT, 3/8-16 HEX NYLOCK
4	5100009SM	3	U-BOLT, 3/8 X 1-1/4
5	5100013SM	2	PIN, HITCH, .50 X 3.2
6	5025013X8SM	8	BOLT, 3/8-16 X 1" GD5
7A	5408631AYP	1	MOUNT -(2-Bag Systems)
7B	5400149AYP	1	WELD, BAGGER MNT,1500 -(3-Bag Systems)
8	5022848SM	2	CAP, PLASTIC
9	5025013X10SM	6	BOLT, 3/8-16 X 1-1/4"
10	5408631AYP	2	MOUNT
11	5025326SM	1	WASHER, .39 X 2.00 X

2-Bag Catcher & Cover Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600610

5103522



2-Bag Catcher & Cover Group

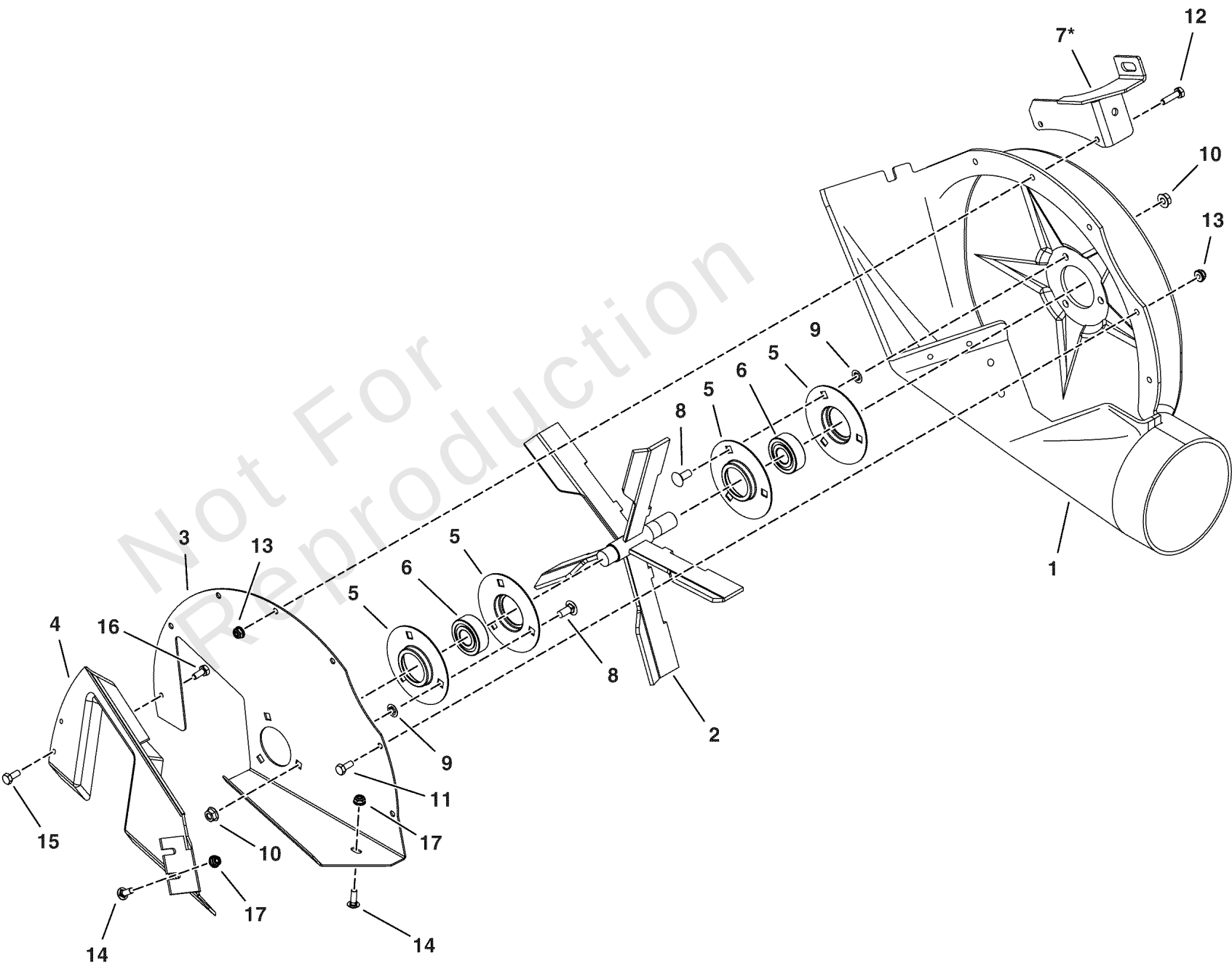
REF NO	PART NO	QTY	DESCRIPTION
1	5100153SM	1	2 BAG AIR DOME
2	5100150SM	2	CATCHER BAG W/HANDL
3	5100152SM	2	GAS CYLINDER
4	5100151SM	1	DETENT PIN
5	5025011X6SM	7	BOLT, 5/16-18 X 3/4"
6	703302	3	WASHER, 5/16
7	5025170SM	1	WASHER, 5/16" LOCK
8	7091325YP	3	HLN, NYLON, 1/2C YZ
9	5025018X24SM	3	BOLT, 1/2-20 X 3" GD8
10	5025158SM	2	WASHER, 1/2" SAE
11	703902	4	NUT, HEX, 5/16-18
12	703115	6	NUT
13	5103469YP	2	CLAMP
14	5103471YP	1	CONNECTOR-TUBE
15	704133	2	LOCKWASHER, Split, 1/4
16	5409020AYP	1	INLET
17	5409166AYP	1	WELD, DEFLECTOR - BLK
18	5100730SM	1	CONNECTOR FRAME
19	5100729SM	1	BAG FRAME
20	703338	2	BOLT, 1/4-20X5/8
21	703332	4	WASHER

Blower Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600610

5303070



Blower Group

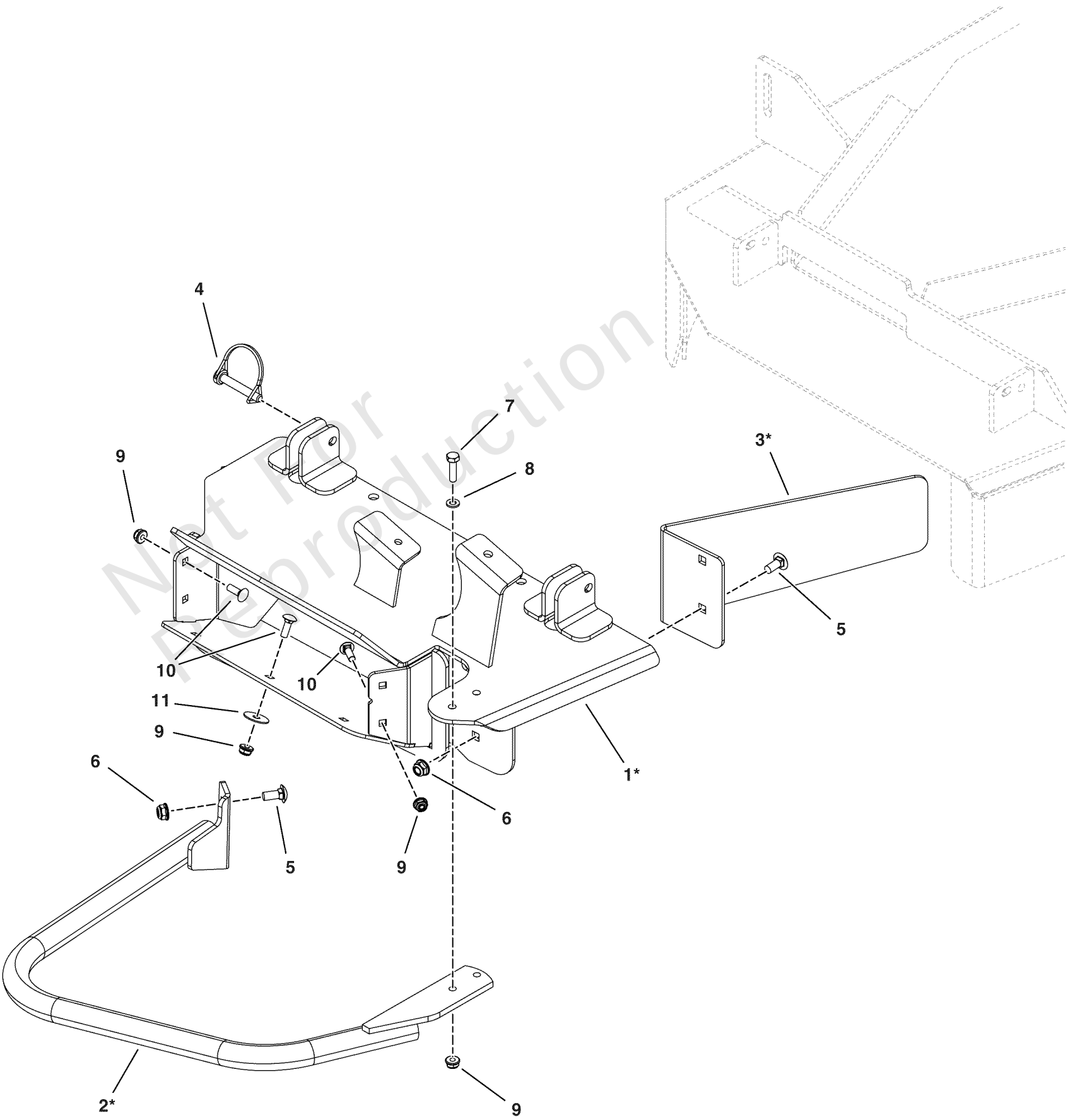
REF NO	PART NO	QTY	DESCRIPTION
1	5412569YP	1	HOUSING, FERRIS TURBO BLOWER
2	5409207YP	1	IMPELLER
3	5409023AYP	1	PLATE
4	1705267SM	1	PLATE-COVER,BLACK POL
5	1665982SM	4	BEARING RETAINER - PL
6	2108202SM	2	BEARING, BALL
7	5409525A	1	WELD, ANCHOR ASSEMBLY, 48/52 - BLK -(52" & 48" Mower Decks)
7	5409524A	1	WELD, ANCHOR ASSEMBLY, 44 - BLK -(44" Mower Decks)
8	5025145X6SM	6	BOLT, 5/16-18 X 3/4",
9	5025498YP	6	NUT, PUSH ON, 5/16
10	5025127SM	6	NUT, 5/16-18 HEX SERR
11	5025010X6SM	4	BOLT, 1/4-20 X 3/4" G
12	5025010X8SM	2	BOLT, 1/4-20 X 1", GD
13	703463	6	NUT, GR5,1/4-20
14	703575	3	BOLT, 1/4-20X.750, SQ
15	703054	2	SCREW, 1/4-20X0.625
16	704130	1	SCREW, HEX, 1/4-20X.5
17	703233	3	NUT, 1/4-20, GR5

Blower Mount Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600610

5303097



Blower Mount Group

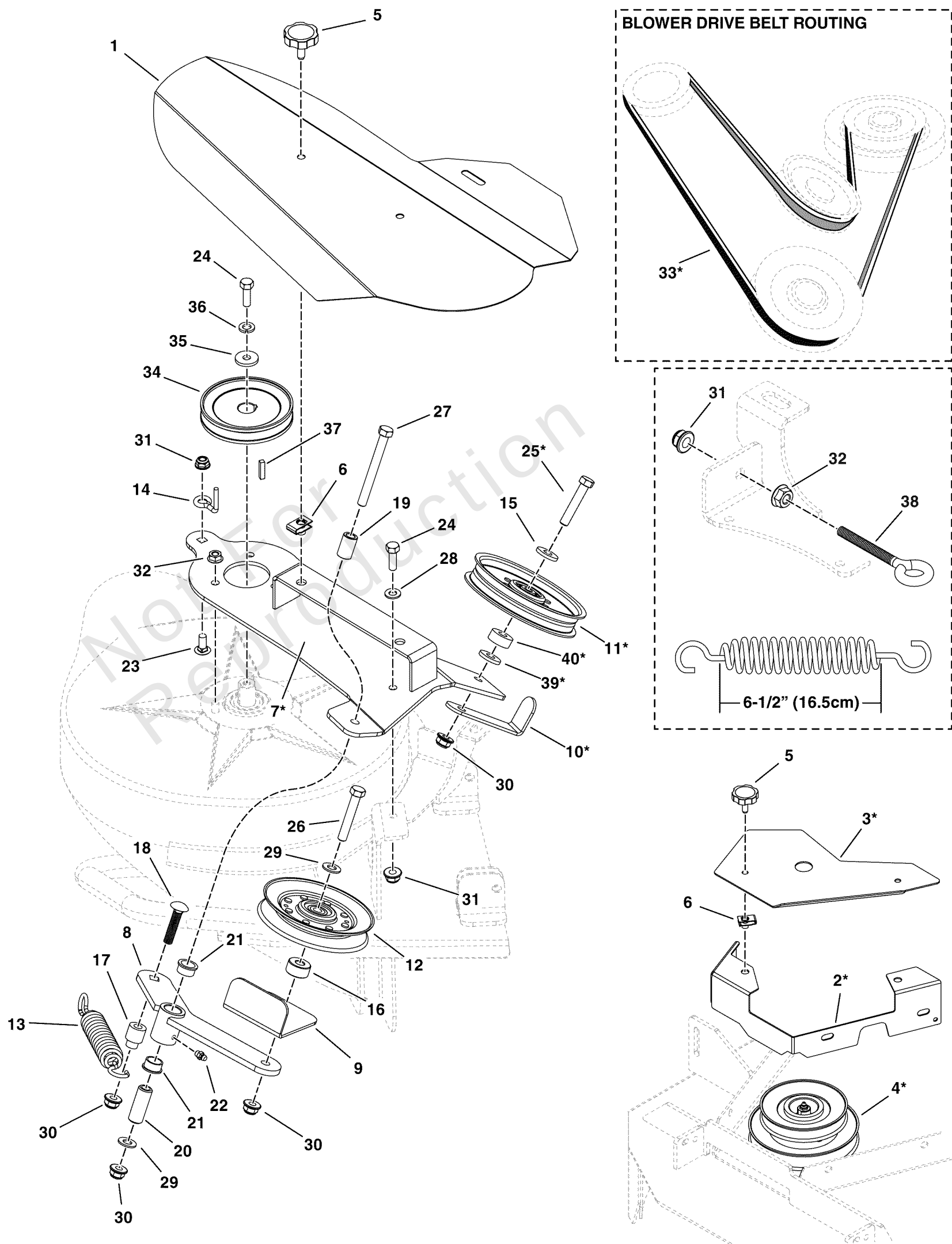
REF NO	PART NO	QTY	DESCRIPTION
1	5409608AYP	1	ADAPTER -(52" Mower Decks)
1	5409646AYP	1	WELD, 48ICD ADAPTER, BLOWER - BLK -(48" iCD Mower Decks)
1	5409681AYP	1	ADAPTER -(48" Standard Mower Decks)
1	5409665AYP	1	ADAPTER -(44" Mower Decks)
2	5409384AYP	1	BAR -(52" Mower Decks)
2	5409283AYP	1	BAR -(48" & 44" Mower Decks)
3	5409607AYP	1	PLATE -(52" Mower Decks)
4	5100847SM	2	SNAPPERPIN
5	5025145X6SM	4	BOLT, 5/16-18 X 3/4",
6	703115	4	NUT
7	5025010X8SM	2	BOLT, 1/4-20 X 1", GD
8	703332	2	WASHER
9	703463	9	NUT, GR5,1/4-20
10	703575	7	BOLT, 1/4-20X.750, SQ
11	5025288YP	3	WASHER, 1/4 FENDER

Blower Pulley Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600610

5303091



Blower Pulley Group

REF NO	PART NO	QTY	DESCRIPTION
1	5600614YP	1	HOOD ASSEMBLY
2	5409534AYP	1	GUARD -(48" & 52" Kits 5600601, 608, 609 & 610)
2	5409633AYP	1	GUARD -(52" Kits 5600602, 604, 605 & 607)
2	5409545AYP	1	GUARD -(44" Kit 5600611)
3	5409536AYP	1	PLATE -(48" & 52" Kits 5600601, 608, 609 & 610)
3	5409634AYP	1	PLATE, GUARD -(52" Kits 5600602, 604, 605 & 607)
3	5409546AYP	1	PLATE, GUARD -(44" Kit 5600611)
4	5103468YP	1	PULLEY, DOUBLE -(52" Mower Decks)
4	5023176SM	1	PULLEY, BLOWER 48" DE -(48" & 44" Mower Decks)
5	5101731YP	5	KNOB, 5/16-18 X 1
6	1935255SM	5	NUT, SPEED, 5/16-18 L
7	5409888	1	ASSEMBLY, PULLEY PLATE, 52" -(52" Mower Decks)
7	5409887	1	ASSEMBLY, PULLEY PLATE, 48" -(48" Mower Decks)
7	5409886	1	ASSEMBLY, PULLEY PLATE, 44" -(44" Mower Decks)
8	5409892YP	1	ARM-IDLER -(Includes Bushings and Fitting)
9	5409609AA	1	RETAINER, BELT, WIDE - BLK
10	5409610AA	1	RETAINER, BELT -(Refer to Note: *)
11	5101193YP	1	PULLEY, FLAT IDLER, 5 -(52" Mower Decks)
11	1725408SM	1	PULLEY, Idler, 4" O.D. -(48" & 44" Mower Decks)
12	5103456YP	1	PULLEY-IDLER-V, 4.85OB, .38ID
13	5022847SM	1	SPRING, EXTENSION, SW
14	5103488YP	1	KEEPER
15	704128	1	WASHER
16	5046860SM	1	SPACER
17	1706644SM	1	SPACER, 3/8X3/4X15/16
18	703858	1	BOLT, 3/8-16X1.75
19	5101933YP	1	SPACER
20	5102322YP	1	SPACER
21	1676148SM	2	BUSHING-0.628IDX
22	5020095SM	1	GREASE FITTING, 1/4-2
23	5025145X6SM	1	BOLT, 5/16-18 X 3/4",
24	703570	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
25	703589	1	CAPSCREW, 3/8-16X2
26	5025013X18SM	1	BOLT, 3/8-16 X 2-1/4"
27	5025013X28SM	1	BOLT, 3/8-16 X 3-1/2"
28	703302	1	WASHER, 5/16
29	703590	2	WASHER, FLAT, .406
30	5025394SM	5	NUT, 3/8-16 HEX NYLOCK

Footnotes:

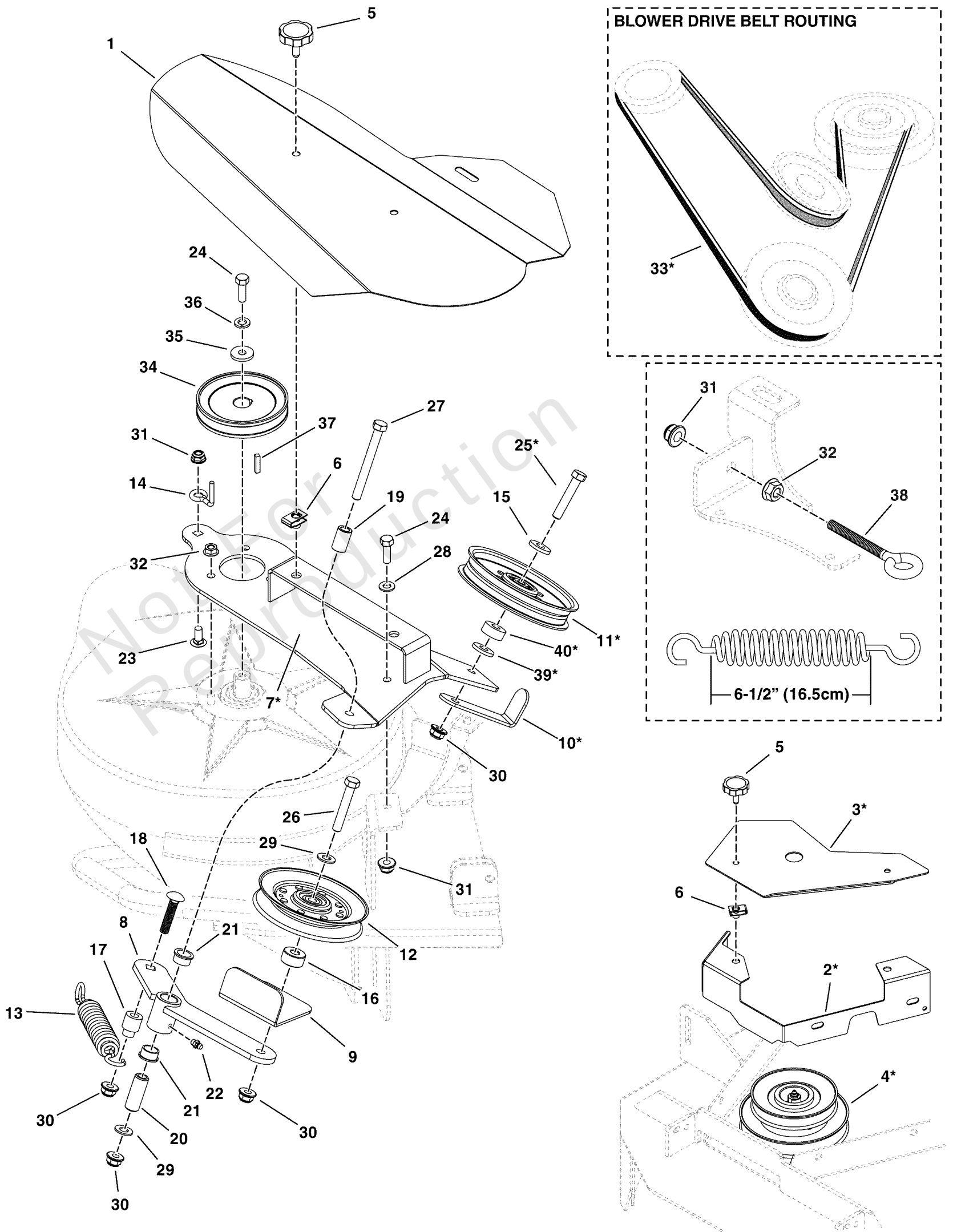
Note: *The hole closest to the bend is for models with 44", 48" or 61" decks. The hole furthest from the bend is for models with 52" decks.

Blower Pulley Group

Note: Unless noted otherwise, use the standard torque specifications

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5303091

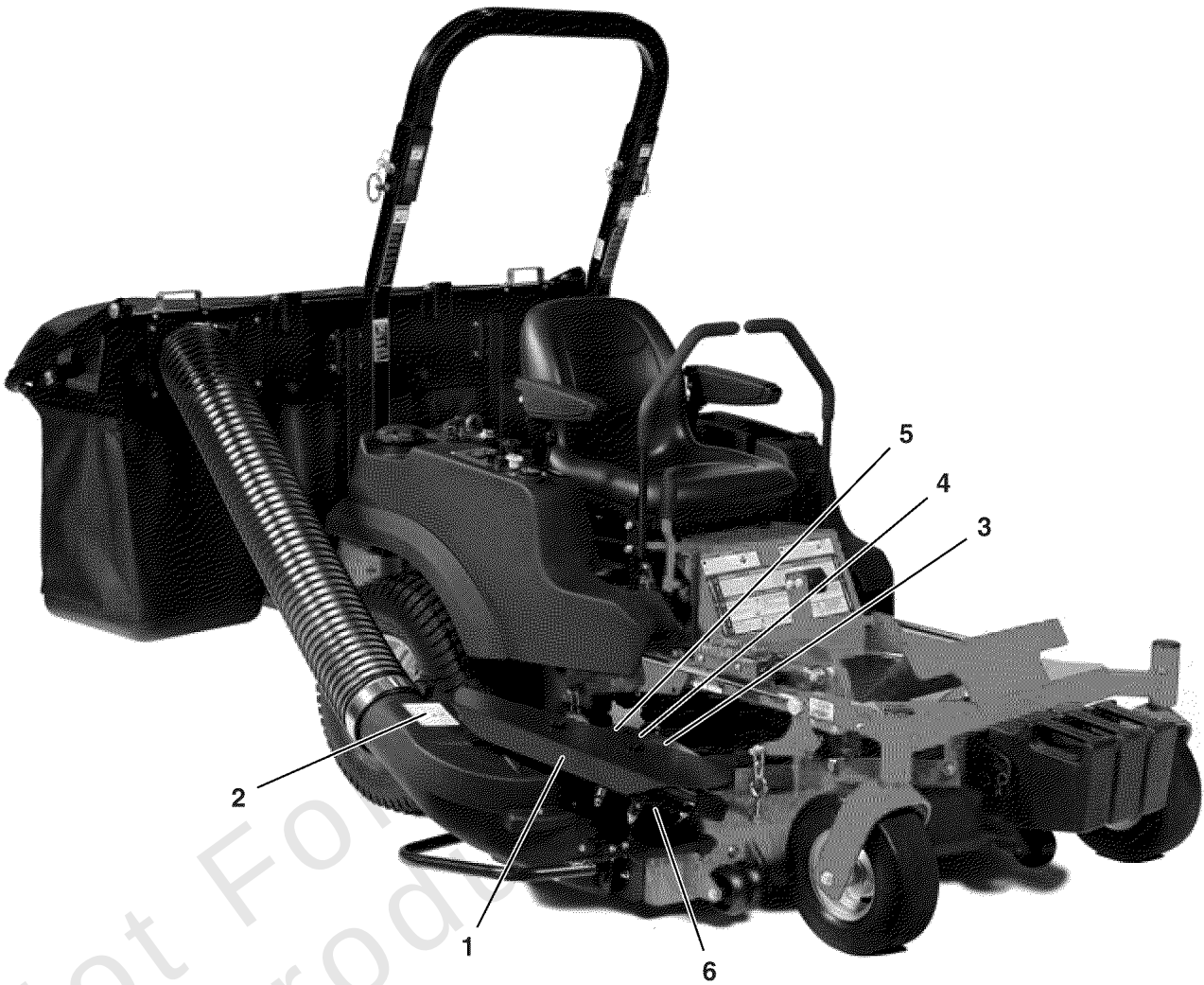


Blower Pulley Group

REF NO	PART NO	QTY	DESCRIPTION
31	703115	2	NUT
32	5025127SM	4	NUT, 5/16-18 HEX SERR
33	5022931SM	1	BELT, #7-7168 -(52" Mower Decks)
33	5105189YP	1	BELT -(48" Mower Decks)
33	5022918SM	1	BELT, #7-7169 -(44" Mower Decks)
34	5103454YP	1	PULLEY
35	1919381SM	1	WASHER, Flat, .34 ID x 1" OD
36	5025170SM	1	WASHER, 5/16" LOCK
37	5050403X4YP	1	KEY, SQUARE
38	5025141X26YP	1	EYE BOLT, 5/16-18 X 3
39	5025165SM	1	WASHER, 3/8" FENDER -(48" & 44" Mower Decks)
40	1667811SM	1	SPACER -(48" & 44" 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.



TURBO-Pro™

2 — **⚠ DANGER**

Rollover Hazard

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

Amputation and Thrown Object Hazard

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

⚠ PELIGRO

Peligro de Vuelque

- Cuando maneje en pendientes, utilice contrapesos delanteros.
- NO opere en cuestas con un ángulo mayor a 10°.

Peligro de Amputación y Objetos Arrojados

- La descarga de alta velocidad puede causar lesiones o la muerte. NO haga funcionar el soplador sin el tubo de descarga, la cubierta y las bolsas, instaladas y sujetas.

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.

4 — **⚠ ADVERTENCIA**

Peligro de Amputación y Partes Puntagudas

Para evitar alguna lesión de las partes giratorias, alejese de las partes y mantenga todas las pantallas y guardas en su lugar.

5 — **⚠ DANGER** **⚠ PELIGRO**

AMPUTATION AND THROWN OBJECTS HAZARD

To avoid injury from rotating blades, stay clear of deck edge and keep others away. Do not mow without discharge chute or entire grass catcher in place.

PELIGRO DE AMPUTACIÓN Y OBJETOS ARROJADOS

Para evitar sufrir lesiones causadas por las cuchillas giratorias y objetos lanzados, mantenerse alejado del borde de la plataforma de corte y mantener a las demás personas alejadas de la máquina. No usar la máquina sin el tubo de descarga o sin el recogedor de pasto en su lugar.

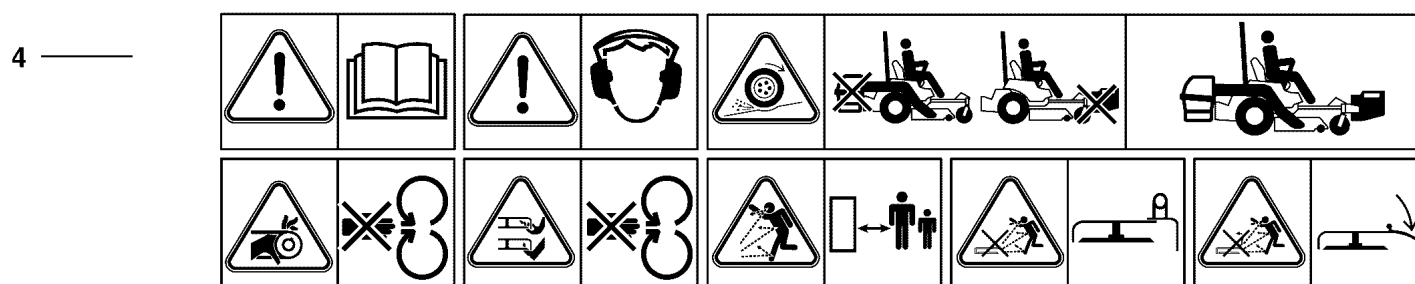
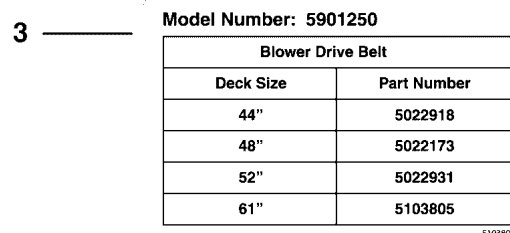
6 —

Model Number: 5901250	
Blower Drive Belt	
Deck Size	Part Number
44"	5022918
48"	5022173
52"	5022391

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

REF NO	PART NO	QTY	DESCRIPTION
1	5103559YP	1	DECAL
2	5103518YP	1	DECAL, DANGER, TURBO-PRO
3	5103184YP	1	DECAL, WARNING, ENG
4	5103188YP	1	DECAL WARNING SPA
5	7101665YP	1	DECAL, DANGER
6	5103557YP	1	DECAL, BELT, TURBO-PRO

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

REF NO	PART NO	QTY	DESCRIPTION
1	5103559YP	1	DECAL
2	5104313YP	1	DECAL, BLOWER, SMALL, ICONS
3	5103804YP	1	DECAL
4	5104314YP	1	DECAL, BLOWER, MAIN

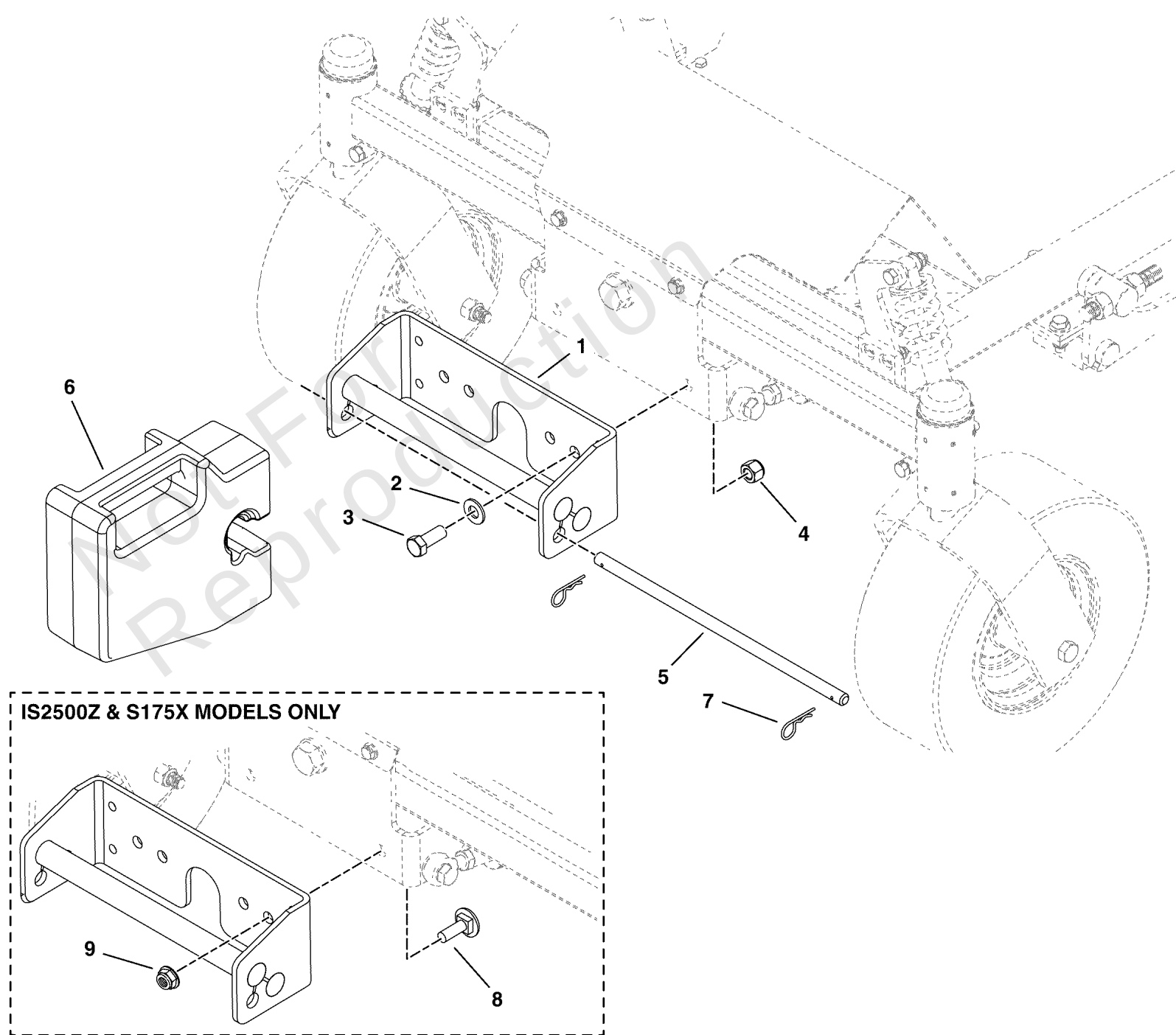
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Weight Mount Group, 99/100/150 LBS

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600610

5300189



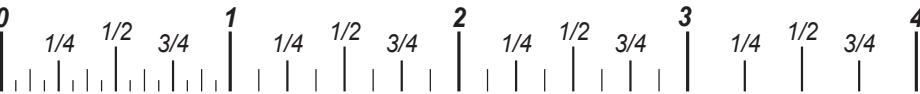
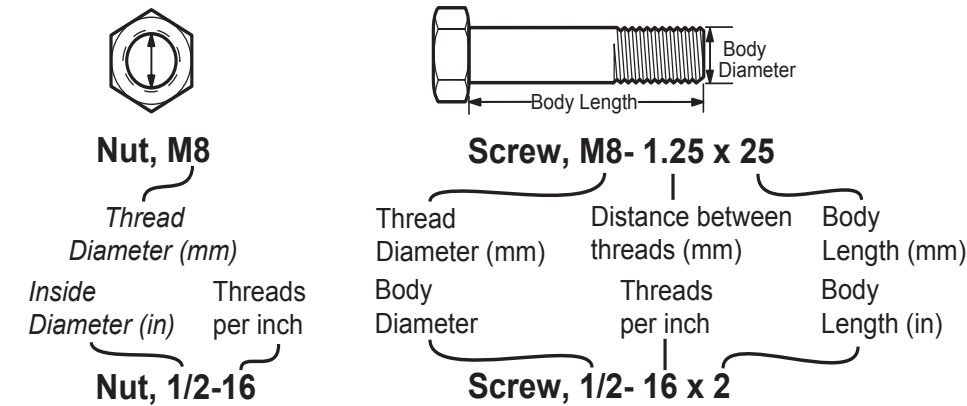
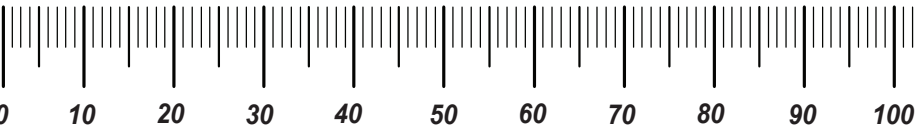
Weight Mount Group, 99/100/150 LBS

REF NO	PART NO	QTY	DESCRIPTION
1	5049082ASM	1	HOLDER ASSEMBLY, Weight
2	5025158SM	2	WASHER, 1/2" SAE
3	5025018X10SM	2	BOLT, 1/2-20 X 1-1/4" GD8 CZ
4	5025098SM	2	NUT, 1/2-20 HEX NYLON
5	5049143SM	1	ROD-.500DIA 13.75LG Y
6	1692939SM	2	WEIGHT, QUICK ATTACH -(2-Bag Collection System - S/N: 08/2014 & Earlier)
6	1691319SM	2	WEIGHT - 33LBS -(2-Bag Collection System - S/N: 09/2014 & Later)
7	5025210YP	2	PIN, HAIR, .0915 X 1-7/8
8	5025324X10YP	2	BOLT
9	5025396SM	2	NUT, Hex Flange, 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).

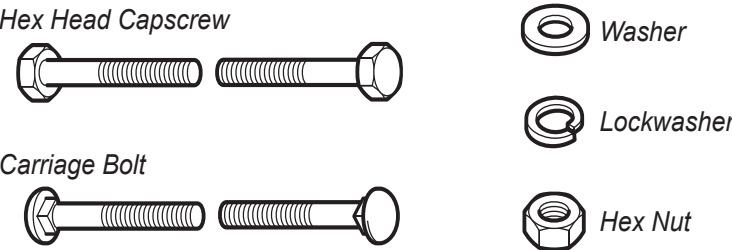
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

