

Parts Manual

Mfg. No: 5600793
61" iCD FAST-Vac; 3-Bag Hard Top Grass
Collection System (3100)

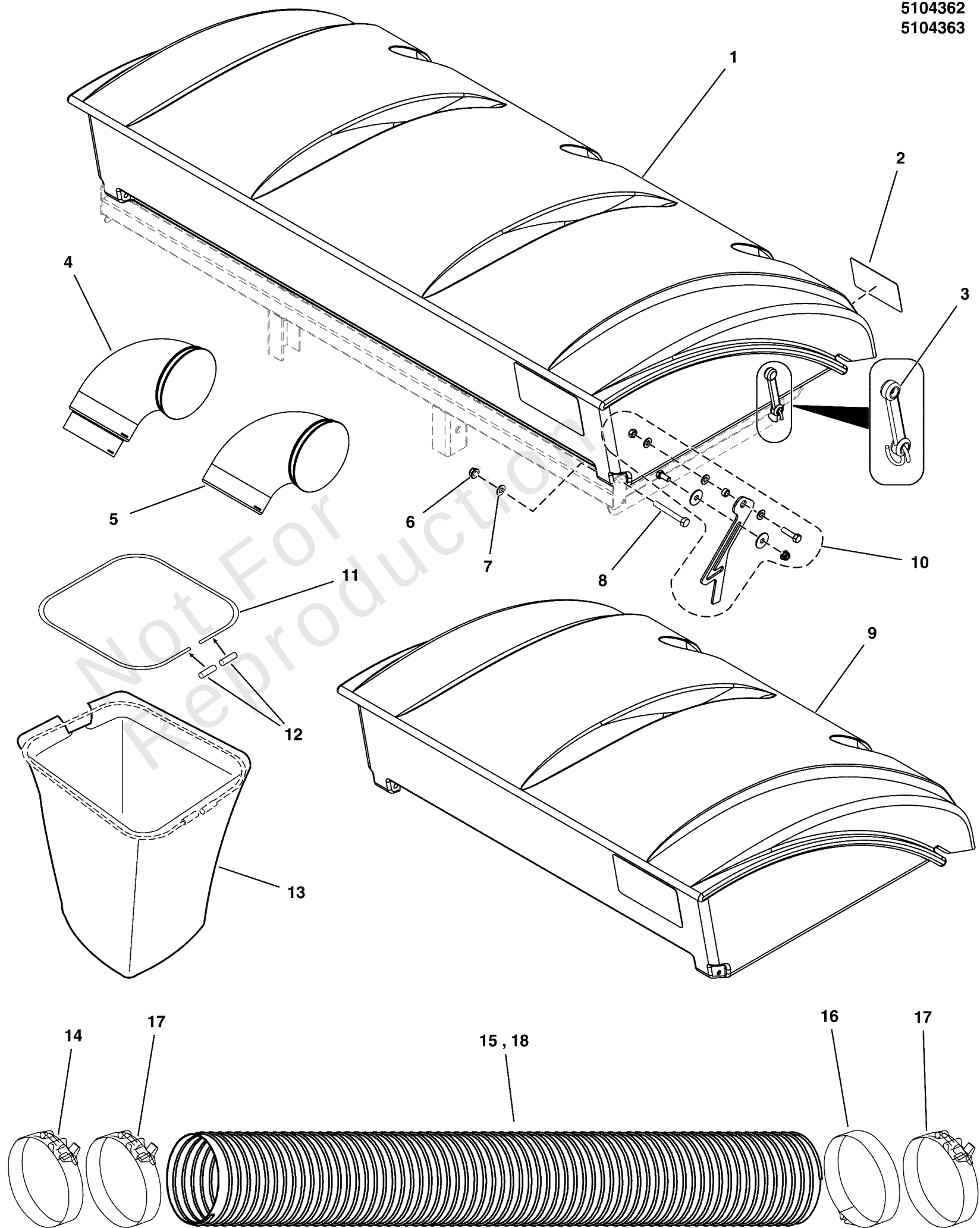
Model Components	Page
2-Bag & 3-Bag Catcher & Cover Group - Hard Top System.	4
2-Bag & 3-Bag Mount Group - Hard Top System.	6
Blower Group, FAST-Vac.	8
Blower Mount Group - IS3100Z Series, FAST-Vac.	10
Decal Group - Fast-Vac Blower S/N: 07/2014 & Above.	12
Decal Group - Hard Top Collection System.	14
Weight Mount Group, 100 LBS - IS3100Z Series.	16
Torque Specification Chart.	18

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2-Bag & 3-Bag Catcher & Cover Group - Hard Top System

Note: Unless noted otherwise, use the standard torque specifications

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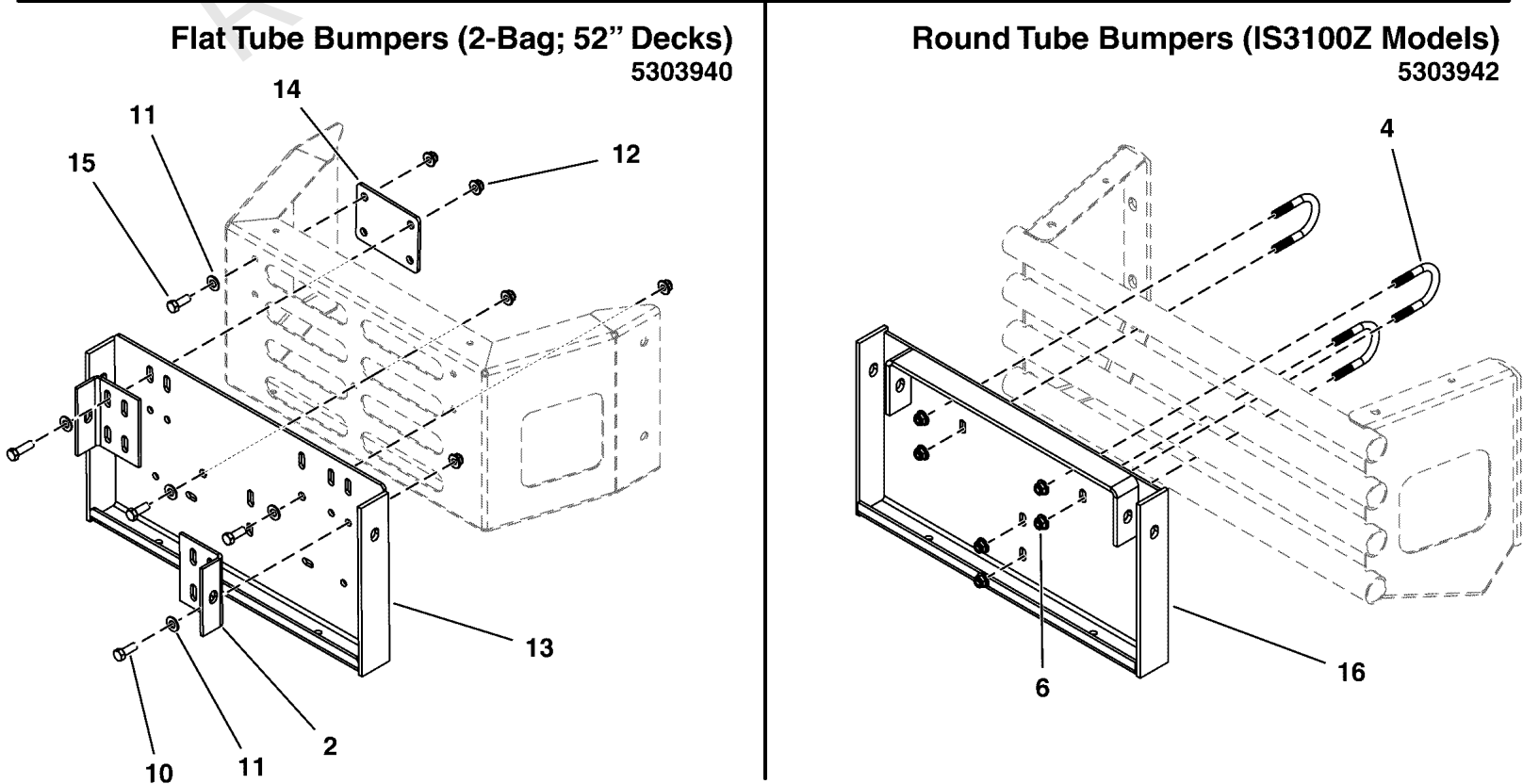
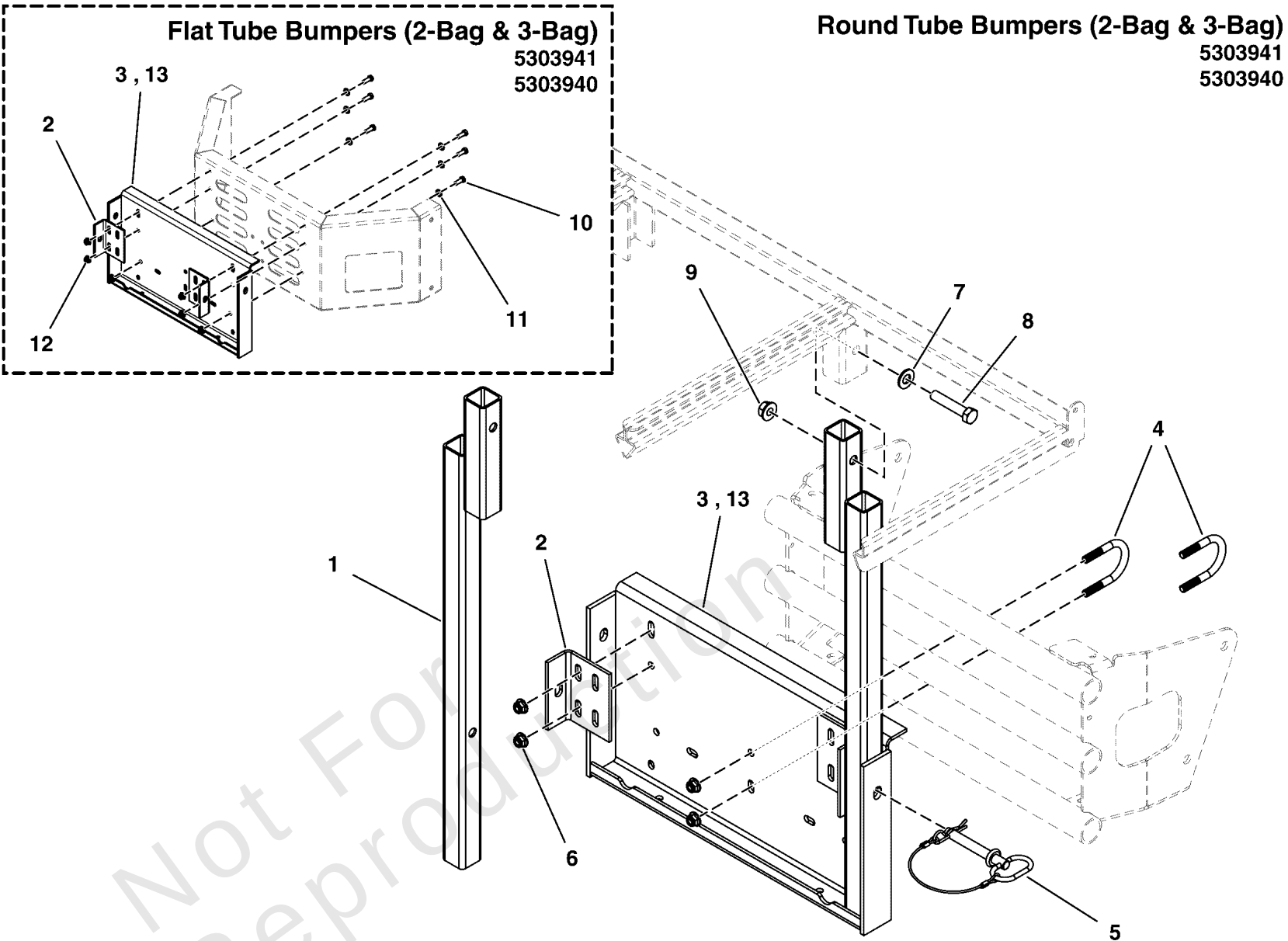
2-Bag & 3-Bag Catcher & Cover Group - Hard Top System

REF NO	PART NO	QTY	DESCRIPTION
1	5104363X1	1	TOP ASSEMBLY / P3B / FERRIS - NET -(3-Bag Collection System)
2	5104363X3	2	RED REFLECTOR DECAL - NET
3	5104363X2	2	RUBBER STRAP W/HOOKS - NET
4	5104363X5	1	P2B INLET / 6 INCH / CUT -(Fits Collection Systems with 6" or 7" Hose)
5	5104362X2	1	P2B INLET / 6 INCH / CUT -(Fits Collection Systems w/ 6" Hose)
6	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
7	5025158	2	WASHER, 1/2 SAE
8	5025017X20	2	BOLT, 1/2-13 X 2-1/2" GD5 CZ
9	5104362X1	1	TOP ASSEMBLY / P2B+ / FERRIS - NET -(2-Bag Collection System)
10	5104363X7	1	VAC KIT HW / P3B / FERRIS - NET
11	5104363X8	3	PART B0227 BAG RING / GENERIC - NET -(Qty: 2 - 2-Bag Collection System)
12	5104363X9	6	PART J0274 VINYL CAP - NET -(Qty: 4 - 2-Bag Collection System)
13	5104878	3	BAG COLLECTION SYSTEM SMALL -(Qty: 2 - 2-Bag Collection System)
14	5022876	1	CLAMP, HOSE, LOWER -(FAST-Vac & TURBO-Pro MAX Systems)
15	5103646	1	HOSE, FLEXIBLE, 7" DIA. X 58" -(FAST-Vac & TURBO-Pro MAX Systems)
16	5022875	1	CLAMP, HOSE, UPPER -(FAST-Vac & TURBO-Pro MAX Systems)
17	5103469	2	CLAMP, 6" UPPER & LOWER, COLLECTORS -(TURBO-Pro Systems)
18	5103471	1	HOSE, FLEXIBLE, 6" DIA X 54" -(TURBO-Pro Systems)

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

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Mfg. No: 5600793



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

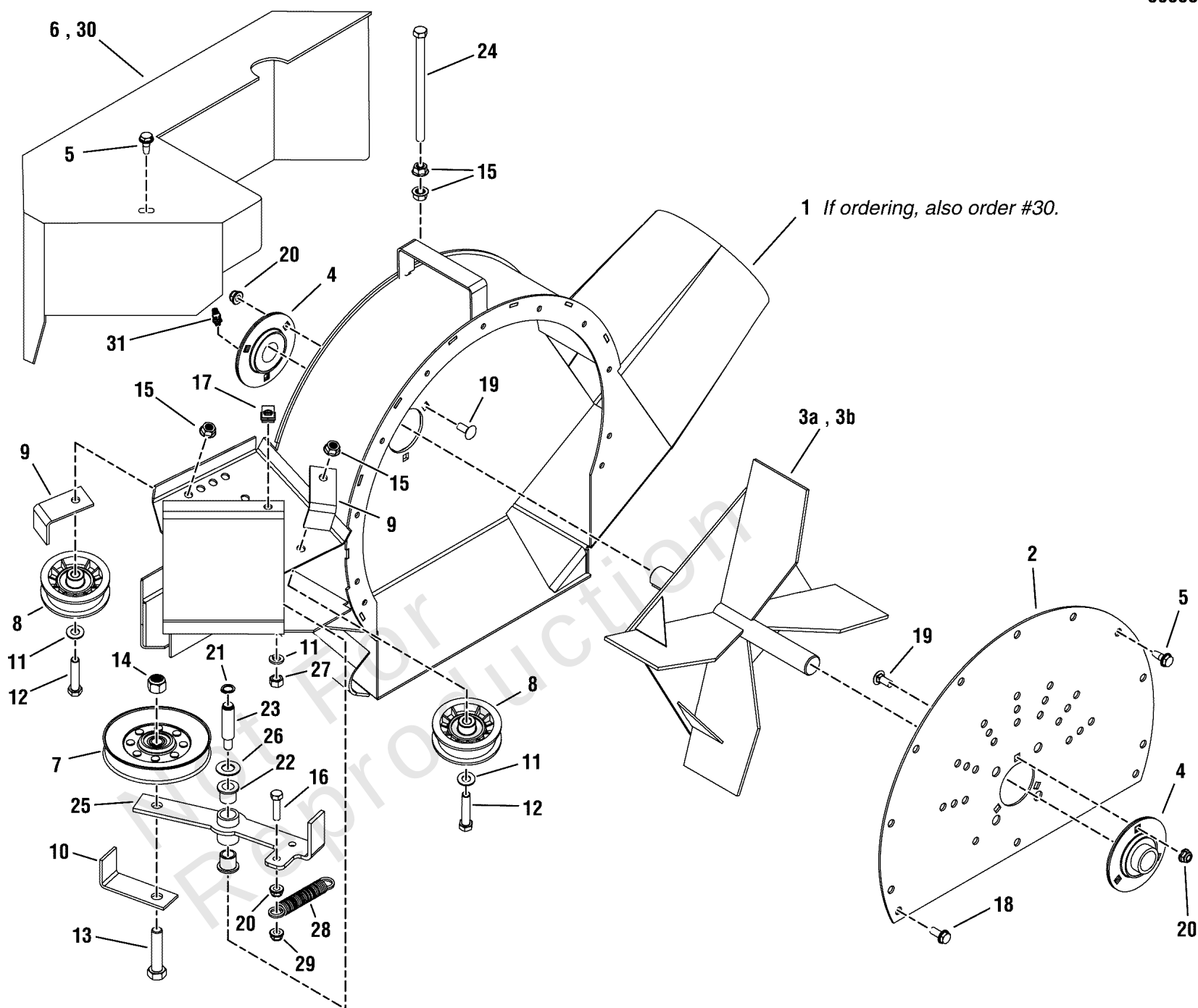
REF NO	PART NO	QTY	DESCRIPTION
1	5412691A	2	WELD, HARD TOP, MOUNTING POST - BLK
2	5402665A	4	BRACKET, BAGGER MOUNT - BLK
3	5400149AYP	1	WELD, BAGGER MNT,1500 -(3-Bag Collection System)
4	5100009	3	U-BOLT, 3/8" X 1-1/4"
5	5100013	2	PIN, HITCH, .50 X 3.25 W/ LAY (SV)
6	5025394	6	NUT, 3/8 - 16 HEX NYLOCK FLANGE
7	5025158	2	WASHER, 1/2 SAE
8	5025017X20	2	BOLT, 1/2-13 X 2-1/2" GD5 CZ
9	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
10	5025013X8	9	BOLT, 3/8-16 X 1" GD5 CZ
11	5025156	9	WASHER, 3/8 SAE
12	5025394	9	NUT, 3/8 - 16 HEX NYLOCK FLANGE
13	5412980A	1	WELD, 2 BAG MOUNT - BLK -(2-Bag Collection System)
14	5412688A	1	PLATE, PECO MOUNT - BLK -(Flat Tube Bumpers, 52" Decks, 2-Bag Collection System)
15	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
16	5401514A	1	WELD, BAGGER MOUNT, IS3100Z - BLK -(IS3100Z Models Only)

Blower Group, FAST-Vac

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Blower Group, FAST-Vac

REF NO	PART NO	QTY	DESCRIPTION
1	5403723A	1	WELD, BLOWER HOUSING - FAST VAC - BLK
2	5403750A	1	PLATE, BACK - BLK
3a	5407093	1	WELD, IMPELLER, FAST-VAC BLOWER -(S/N: 04/07/2010 & Later)
3b	5403741	1	WELD, IMPELLER, FAST VAC BLOWER -(S/N: 04/06/2010 & Earlier)
4	7100021SM	2	BEARING, FLANGE, 1" Bore -(Torque set screws to 87 in-lbs (9.8 Nm). Use Loctite 271 Threadlocker on threads).
5	7091541	5	BOLT, 5/16-18 X 3/4" Self Tap
6	5403736A	1	WELD, BELT GUARD, BLOWER - BLK -(S/N: 07/14/2013 & Earlier)
7	5021097	1	PULLEY-IDLER-V, 4.85OB, .506 ID, .94W, STL
8	5106480	2	PULLEY, IDLER, 2.75"OD X .37"ID, INSERT
9	5403749A	2	KEEPER, BELT - BLK
10	5403740A	1	RETAINER, BELT - BLK
11	5025156	3	WASHER, 3/8 SAE
12	80003522	2	HHCS, 3/8-16 X 2.00, GR5, ZINC/CLEAR
13	5025017X18	1	BOLT, 1/2-13 X 2-1/4" GD5 CZ
14	5025056	1	NUT, 1/2-13 HEX NYLON LOCK
15	5025128	4	NUT, 3/8-16 Hex Large Serrated Flange
16	5025011X10	1	BOLT, 5/16-18 X 1-1/4" GD5 YZ
17	5022308	3	BODY CLIP, 5/16-18-7GA MATERIAL
18	7091811	6	BOLT, 5/16-18 X 5/8" Self Lock
19	5025145X6	6	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
20	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
21	7010776	1	RETAINING RING, 1/2"
22	7014409	2	FLANGE BEARING, 9/16"
23	7044995	1	IDLER STUD
24	5025013X48	1	BOLT, 3/8-16 X 6" GD5 CZ
25	5411358	1	ASSM, IDLER ARM, FAST-VAC
26	5103679	1	WASHER, FLAT, 9/16 ID, 1-1/8 OD, 98THK -Was 5025171
27	5025097	1	NUT, 3/8-24 Hex Nylon Lock -Was 5025097
28	5020807	1	SPRING, Extension
29	7091575	1	NUT, 5/16-18 Hex Center Lock
30	5411464A	1	WELD, Fast-Vac Guard - BLK -(S/N: 07/15/2013 & Later)
31	-----	1	ZERK, Grease Fitting (65 Deg, 1/4-28 Taper Male)

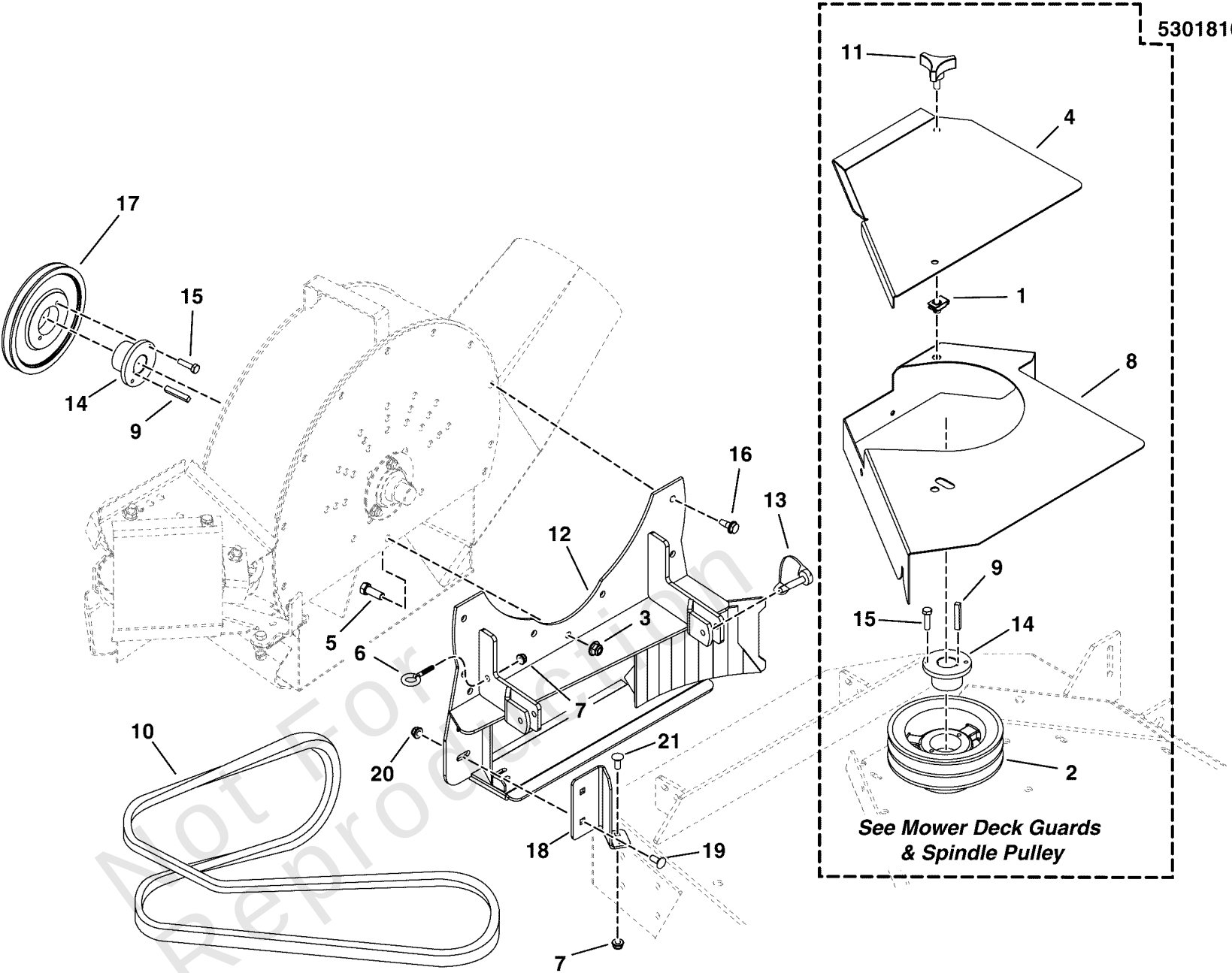
Footnotes:

**If replacing, order 5411464A also.

Blower Mount Group - IS3100Z Series, FAST-Vac

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Blower Mount Group - IS3100Z Series, FAST-Vac

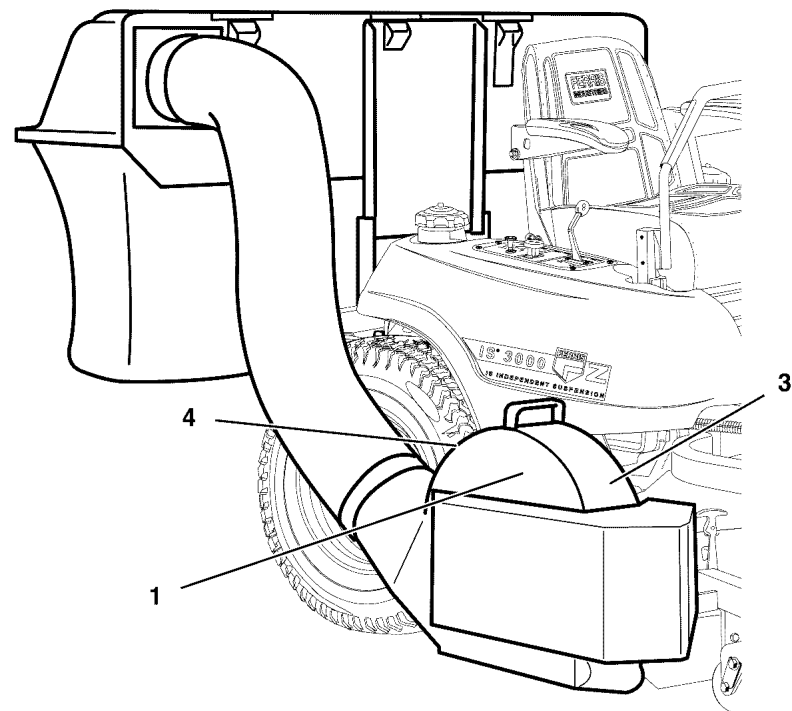
REF NO	PART NO	QTY	DESCRIPTION
1	5022308	2	BODY CLIP, 5/16-18-7GA MATERIAL
2	-----	1	SEE MOWER DECK GUARDS & SPINDLE PULLEYS
3	5025394	3	NUT, 3/8-16 HEX NYLOCK FLANGE
4	-----	1	SEE MOWER DECK GUARDS & SPINDLE PULLEYS
5	5025013X8	3	BOLT, 3/8-16 X 1" GD5 CZ
6	5022205	1	EYE BOLT, 1/4-20 X 2.5, 1THRD, .5EYE,CZ
7	5025391	1	NUT, 1/4-20 HEX NYLOCK FLANGE
8	-----	1	SEE MOWER DECK GUARDS & SPINDLE PULLEYS
9	5022726	2	KEY 1/4 SQ X 1 1/2 LONG
10	5100974	1	BELT, 4L-SEC, 103.0EL, ARAMID, WRPD
11	5022319	2	KNOB, PLASTIC, 5/16-18 X 3/4
12	5408254A	1	WELD, BLOWER MOUNT, 61 - BLK
13	5100847	2	SNAPPERPIN, 5/16 X 2
14	5020819	2	BUSHING, TAPERED HUB
15	5025010X8	4	BOLT, 1/4-20 X 1" GD5 CZ
16	7091811	6	BOLT, 5/16-18 X 5/8" Self Lock
17	5100419	1	PULLEY, BK-62H
18	5408272A	1	BRACKET,DEFLECTOR PLATE, 61
19	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
20	5025392	2	NUT, 5/16-18 HEX NYLOCK FLANGE
21	1960252	2	BOLT-RD HD SH SQ NK 1/4-20X0.625 G5 BLK

Decal Group - Fast-Vac Blower S/N: 07/2014 & Above

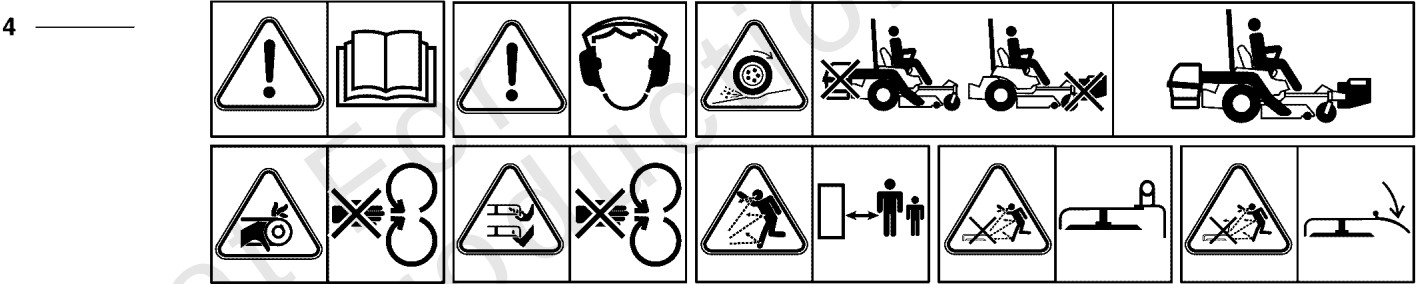
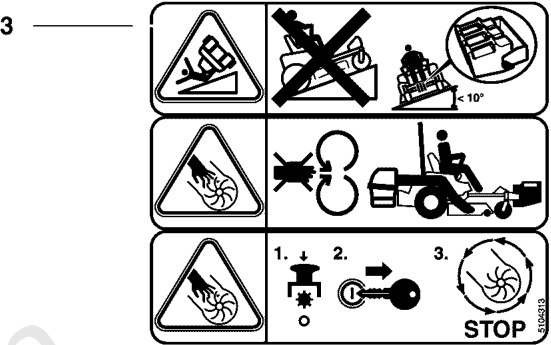
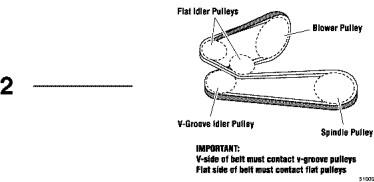
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1 — **FAST-Vac**



Decal Group - Fast-Vac Blower S/N: 07/2014 & Above

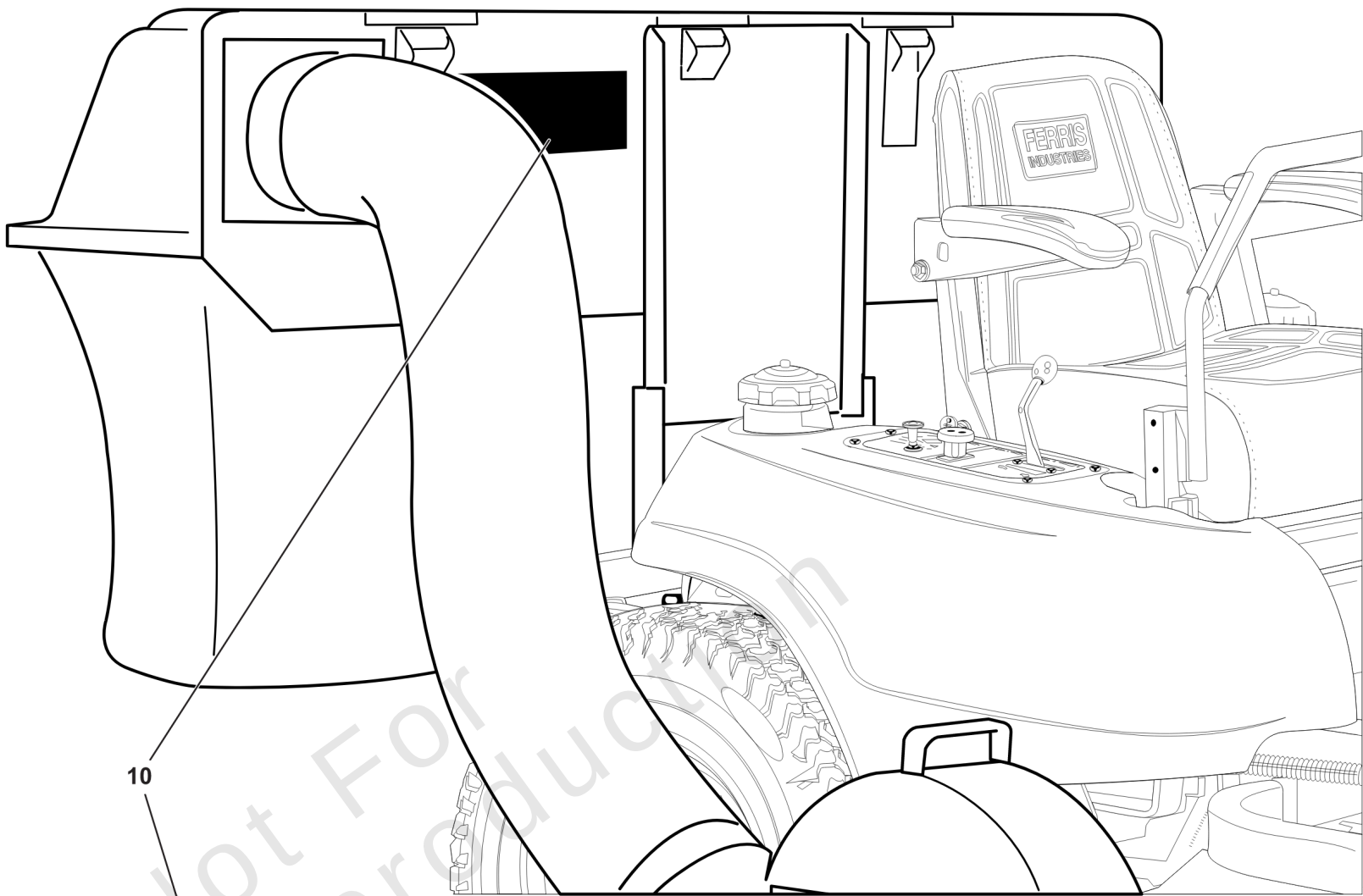
REF NO	PART NO	QTY	DESCRIPTION
1	3046944	1	DECAL, FAST-VAC
2	5100081	1	DECAL, BELT ROUTING
3	5104313	1	DECAL, BLOWER, SMALL, ICONS
4	5104314	1	DECAL, BLOWER, MAIN, LARGE, ICONS

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Decal Group - Hard Top Collection System

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Decal Group - Hard Top Collection System

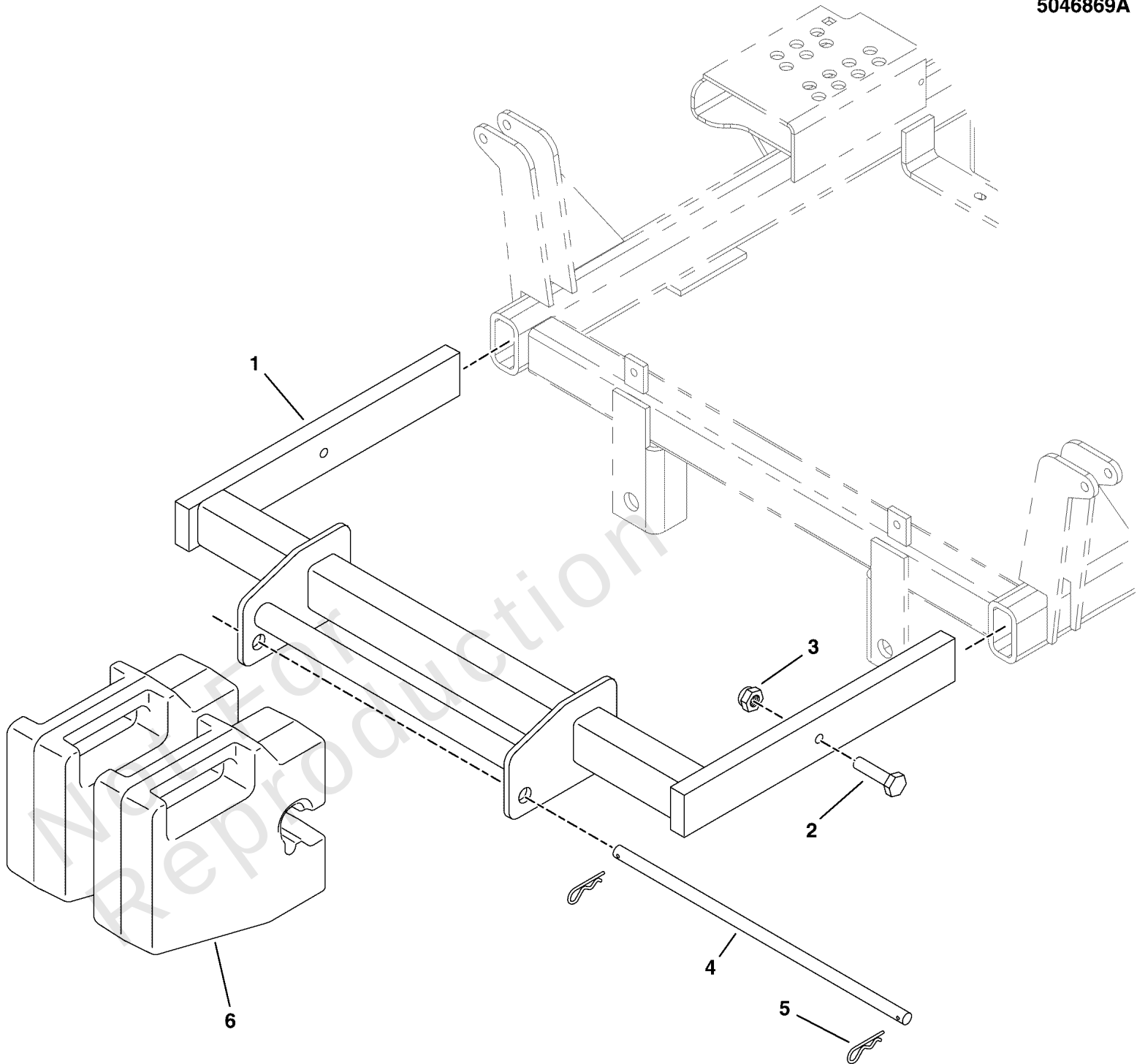
REF NO	PART NO	QTY	DESCRIPTION
10	5104315FS	1	DECAL

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Weight Mount Group, 100 LBS - IS3100Z Series

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Weight Mount Group, 100 LBS - IS3100Z Series

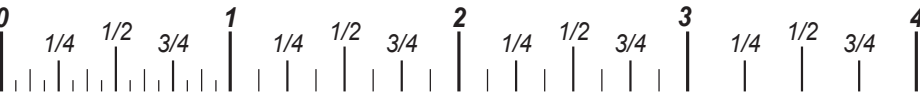
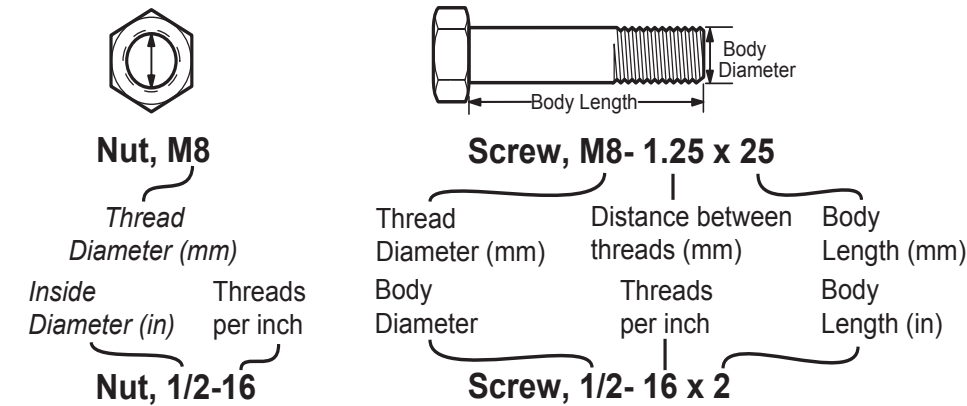
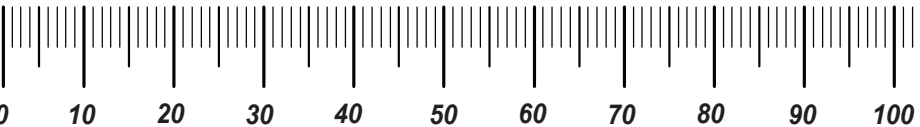
REF NO	PART NO	QTY	DESCRIPTION
1	5046169A	1	3-BAG WEIGHT RACK WELDMENT
2	5025013X16	2	BOLT, 3/8-16 X 2, GD5, CZ
3	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
4	5046174A	1	ROD, WEIGHT RETAINER
5	5025210	2	PIN, HAIR, .0915 X 1-7/8
6	1717627	2	WEIGHT-QUICK ATTACH 50LB SUITCASE PAINTED

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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).

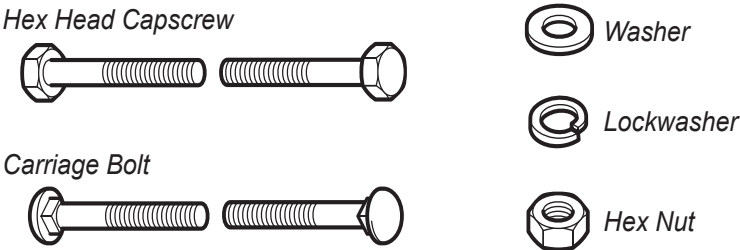
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

