

Parts Manual

Mfg. No: 5601548

52" iCD+ TURBO-Pro; 3-Bag Hard Top
Grass Collection System (ISX800)

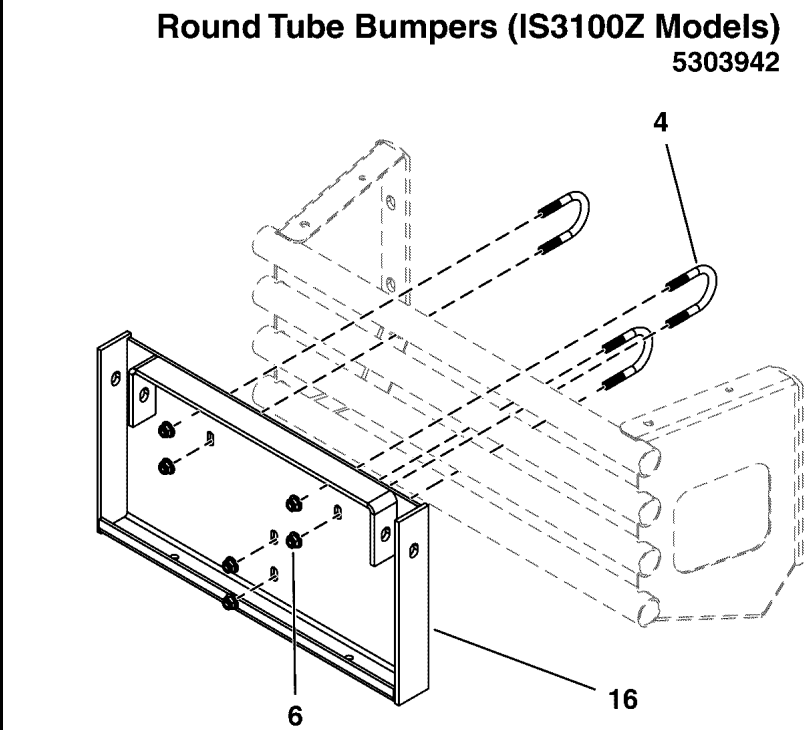
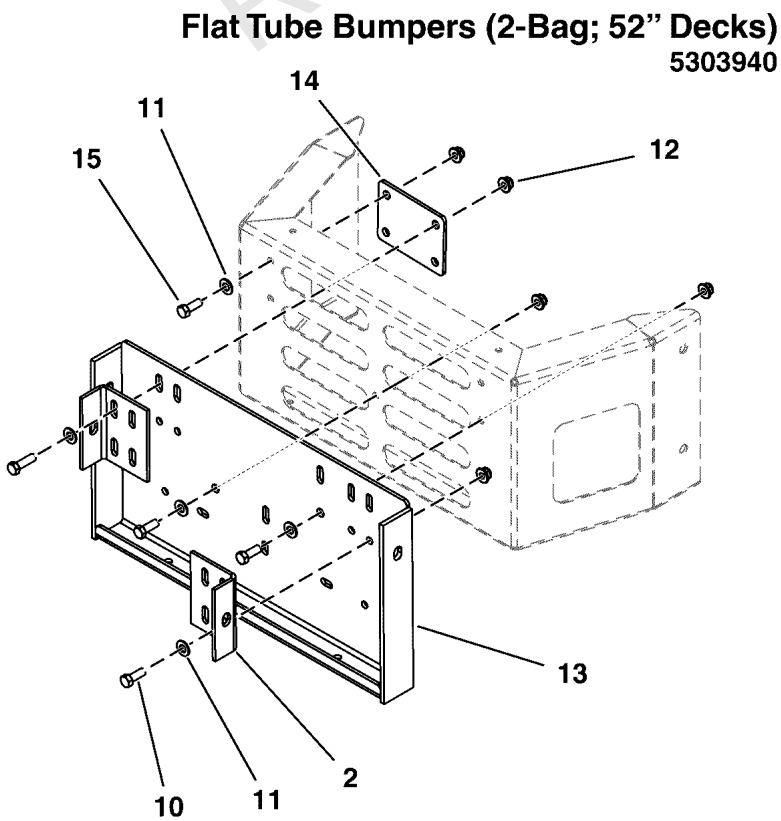
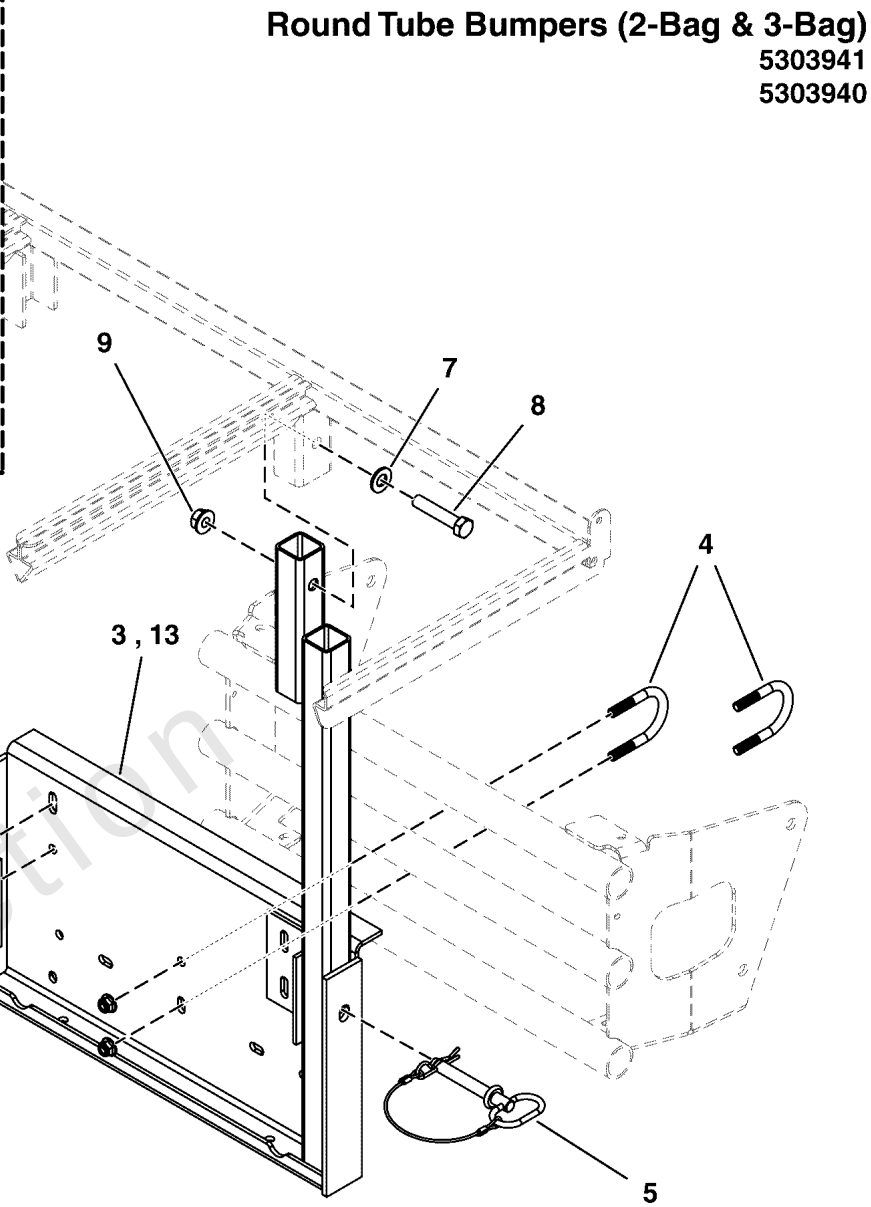
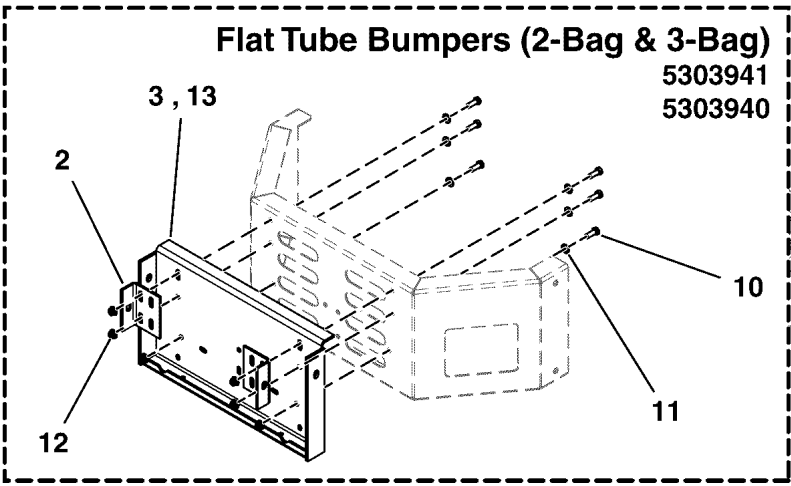
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2-Bag & 3-Bag Mount Group - Hard Top System

Note: Unless noted otherwise, use the standard torque specifications

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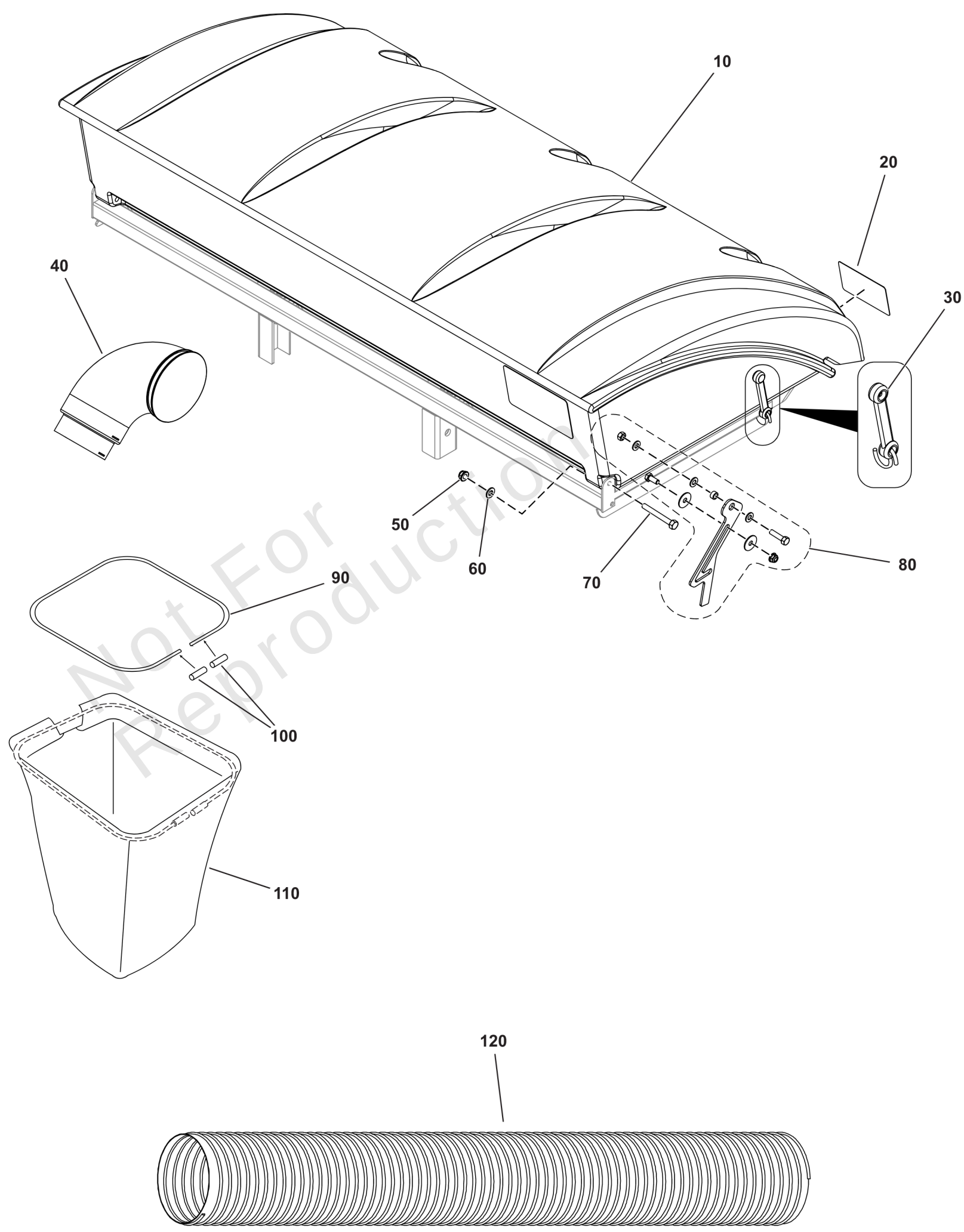
2-Bag & 3-Bag Mount Group - Hard Top System

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)

3-Bag Catcher & Cover Group - Hard Top System

Note: Unless noted otherwise, use the standard torque specifications

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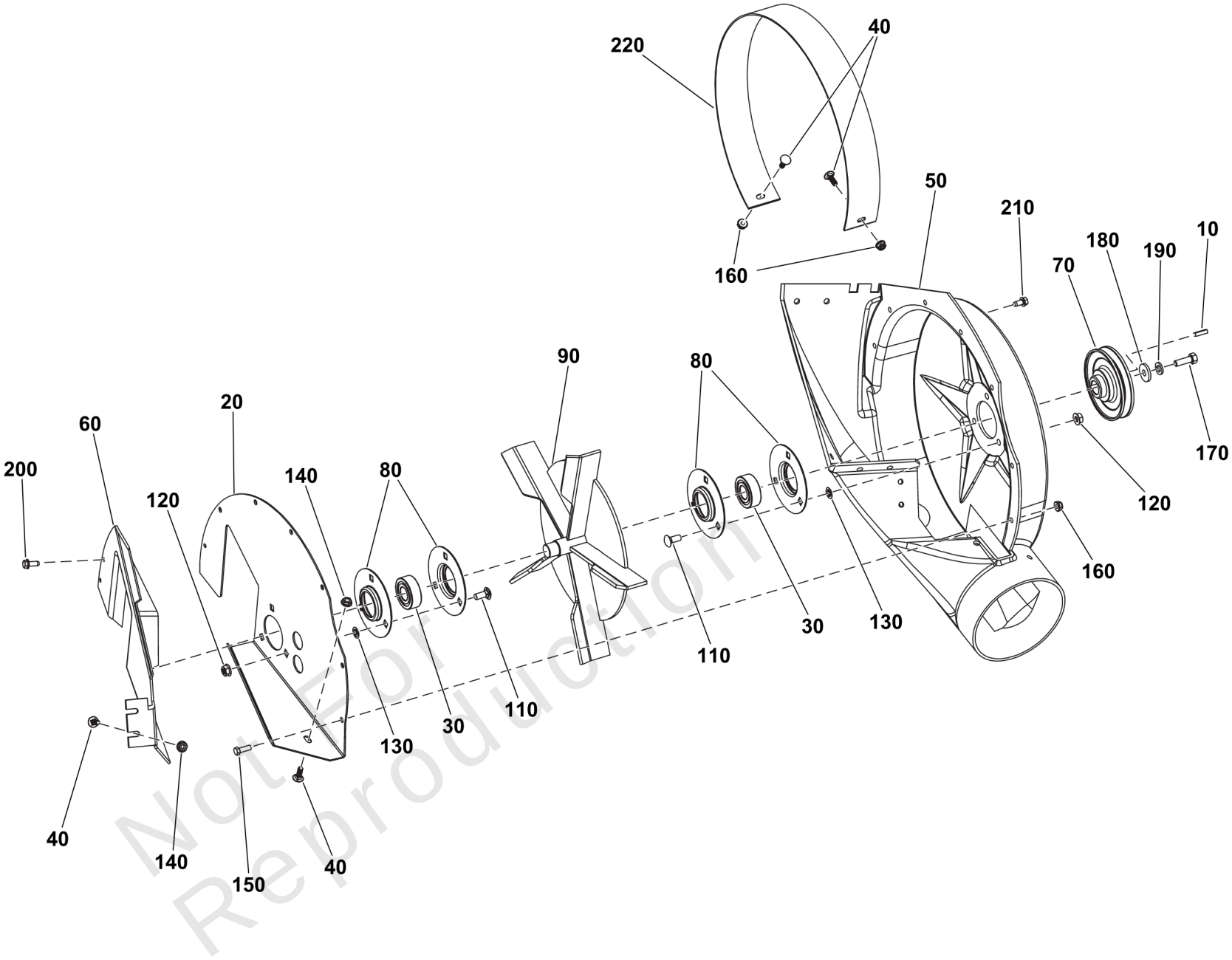
3-Bag Catcher & Cover Group - Hard Top System

REF NO	PART NO	QTY	DESCRIPTION
10	5110893X1	1	TOP ASSEMBLY, 3 BAG COLLECTOR
20	5104363X3	2	RED REFLECTOR DECAL - NET
30	5104363X2	2	RUBBER STRAP W/HOOKS - NET
40	84008046	1	INLET -(Fits Collection Systems with 6" or 7" Hose)
50	770225	2	NUT
60	5025158SM	2	WASHER, 1/2" SAE
70	5025017X20SM	2	BOLT, 1/2-13 X 2-1/2
80	5104363X7	1	VAC KIT HW / P3B / FERRIS - NET
90	5104363X8	3	PART B0227 BAG RING / GENERIC - NET
100	5104363X9	6	PART J0274 VINYL CAP - NET
110	5104878FS	3	BAG
120	5103471YP	1	CONNECTOR-TUBE

Blower Assembly Group

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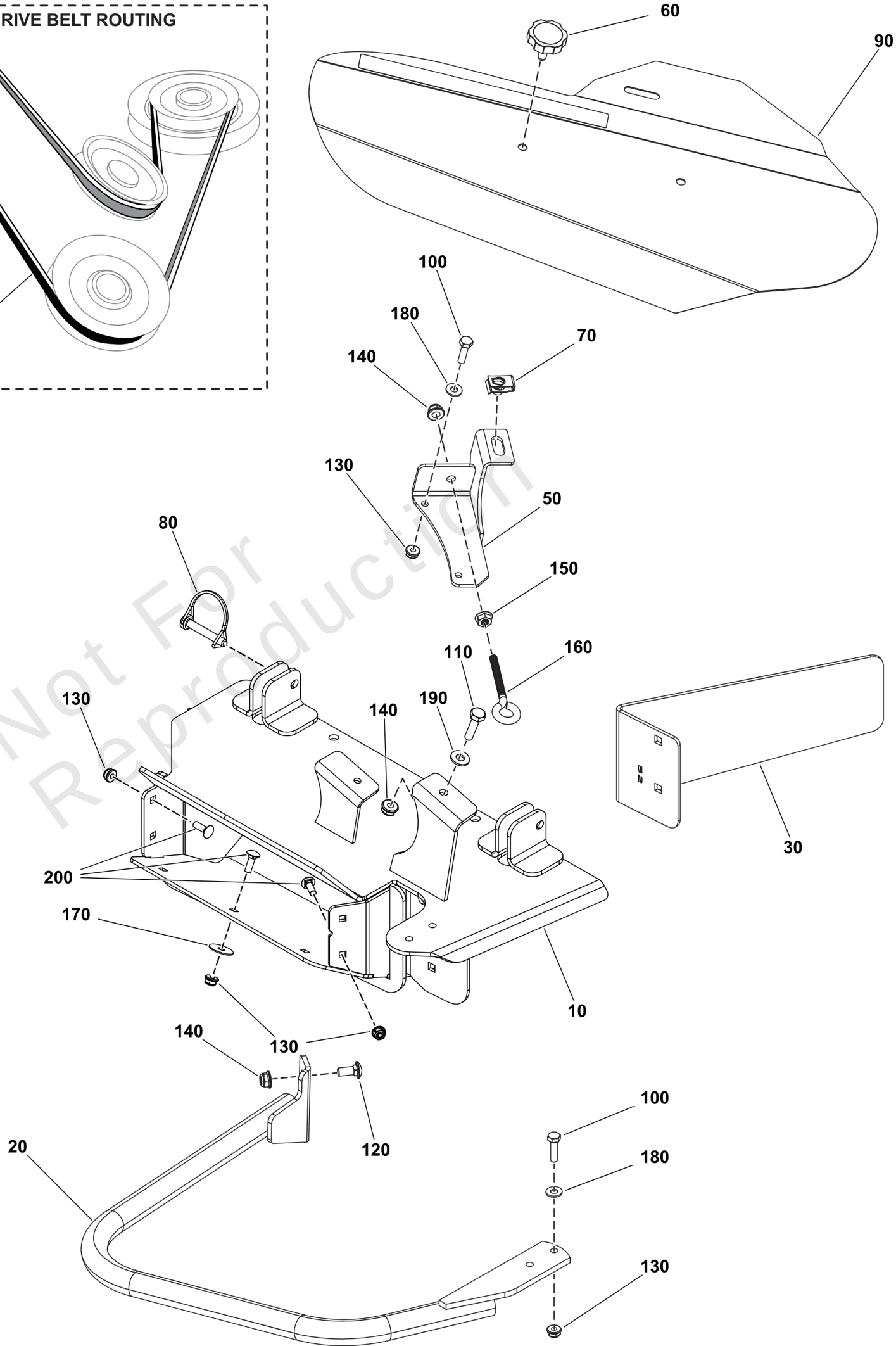
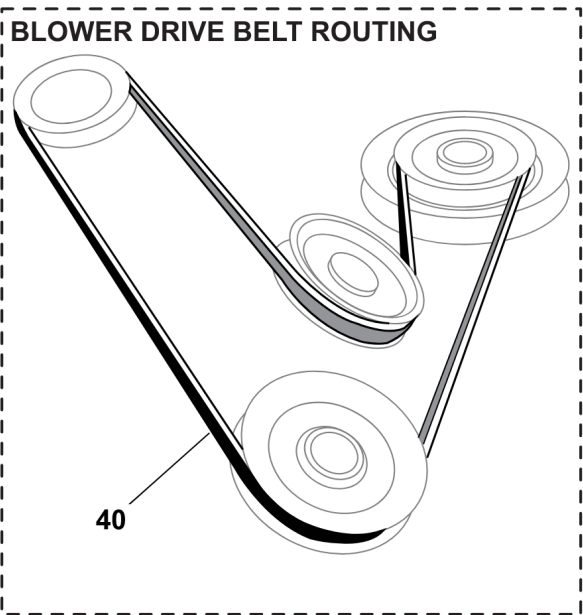
Blower Assembly Group

REF NO	PART NO	QTY	DESCRIPTION
10	5050403X4YP	1	KEY, SQUARE
20	5409023AYP	1	PLATE
30	2108202SM	2	BEARING, BALL
40	703575	5	BOLT, 1/4-20X.750, SQ
50	84008104	1	HOUSING, Blower -(Includes decals. See Blower Group - Decals for decal part numbers.)
60	1705267SM	1	PLATE-COVER, BLACK POL
70	5103454YP	1	PULLEY
80	1665982SM	4	BEARING RETAINER - PL
90	5409207YP	1	IMPELLER
110	5025145X6SM	6	BOLT, 5/16-18 X 3/4",
120	5025127SM	6	NUT, 5/16-18 HEX SERR
130	703297	6	RETAINER, GR5, 5/16
140	5025126FS	3	NUT
150	703819	4	CAPSCREW, 1/4-20X0.875
160	5025391FS	6	NUT
170	5025011X8FS	1	BOLT
180	703298	1	WASHER, 5/16
190	5025170SM	1	WASHER, 5/16" LOCK
200	703054	2	SCREW, 1/4-20X0.625
210	704130	1	SCREW, HEX, 1/4-20X.5
220	-----	1	RING, TURBO VAC, INTERNAL -(Replace with item #50).

Blower Group - Deck Adapter

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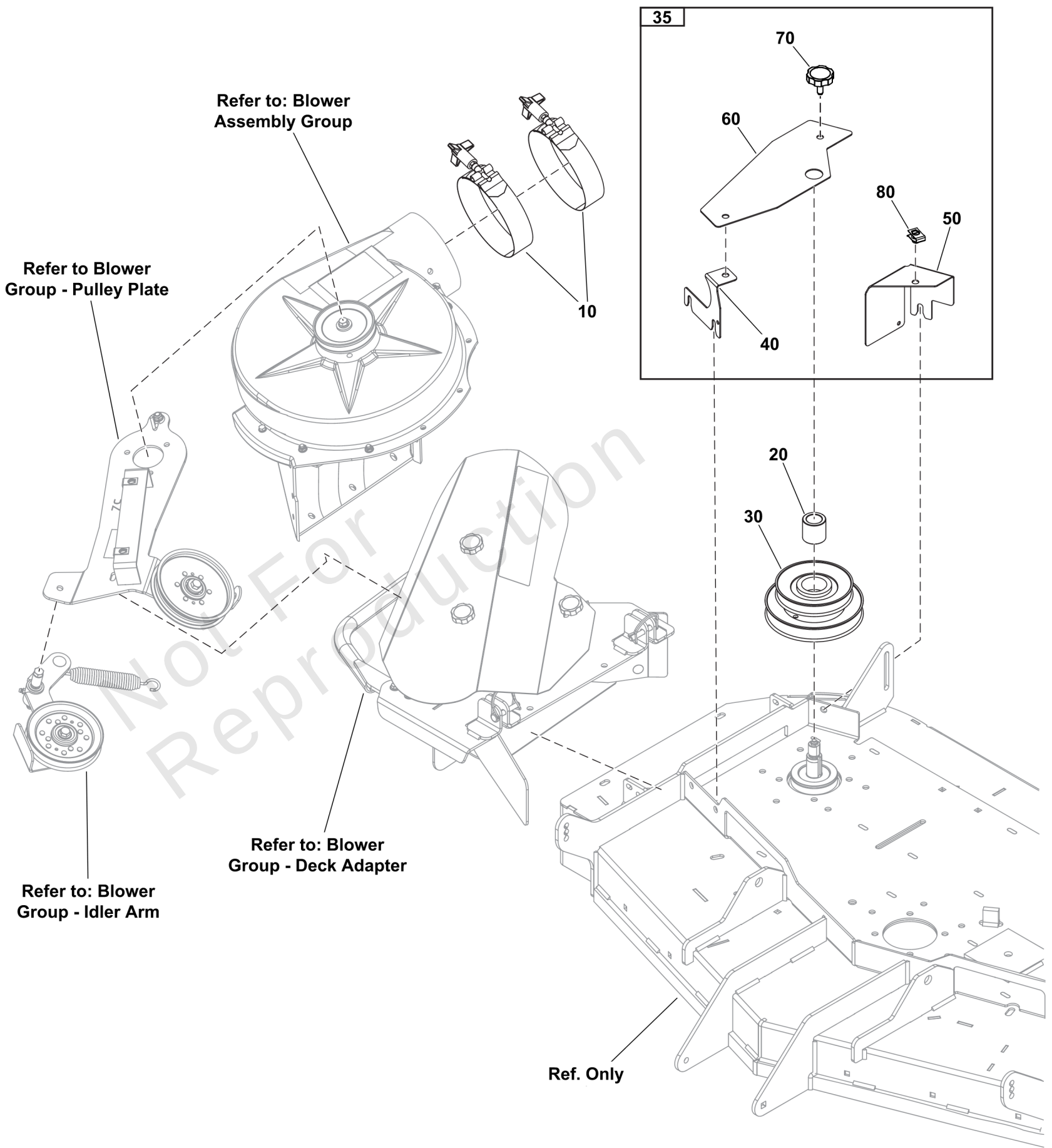


Blower Group - Deck Adapter

REF NO	PART NO	QTY	DESCRIPTION
10	-----	1	WELD, ADAPTER, 52 iCD+, T-PRO - Black
20	5409384AYP	1	BAR
30	-----	1	DECK WEDGE, 52" iCD+
40	1759752YP	1	V-BELT, HA, 73.2, ARAMID
50	5409525AYP	1	ANCHOR
60	5101731YP	3	KNOB, 5/616-18 X 1
70	1935255SM	1	NUT, SPEED, 5/16-18 L
80	5100847SM	2	SNAPPERPIN
90	84008098	1	SHIELD, Hood
100	5025010X8SM	4	BOLT, 1/4-20 X 1", GD
110	5025011X8FS	1	BOLT
120	5025145X6SM	4	BOLT, 5/16-18 X 3/4",
130	5025391FS	11	NUT
140	703115	6	NUT
150	5025127SM	1	NUT, 5/16-18 HEX SERR
160	5025141X26YP	1	EYE BOLT, 5/16-18 X 3
170	5025288YP	3	WASHER, 1/4 FENDER
180	703332	4	WASHER
190	703350	1	WASHER
200	703575	7	BOLT, 1/4-20X.750, SQ

Blower Group - Guards, Pulleys, and Deck Mount

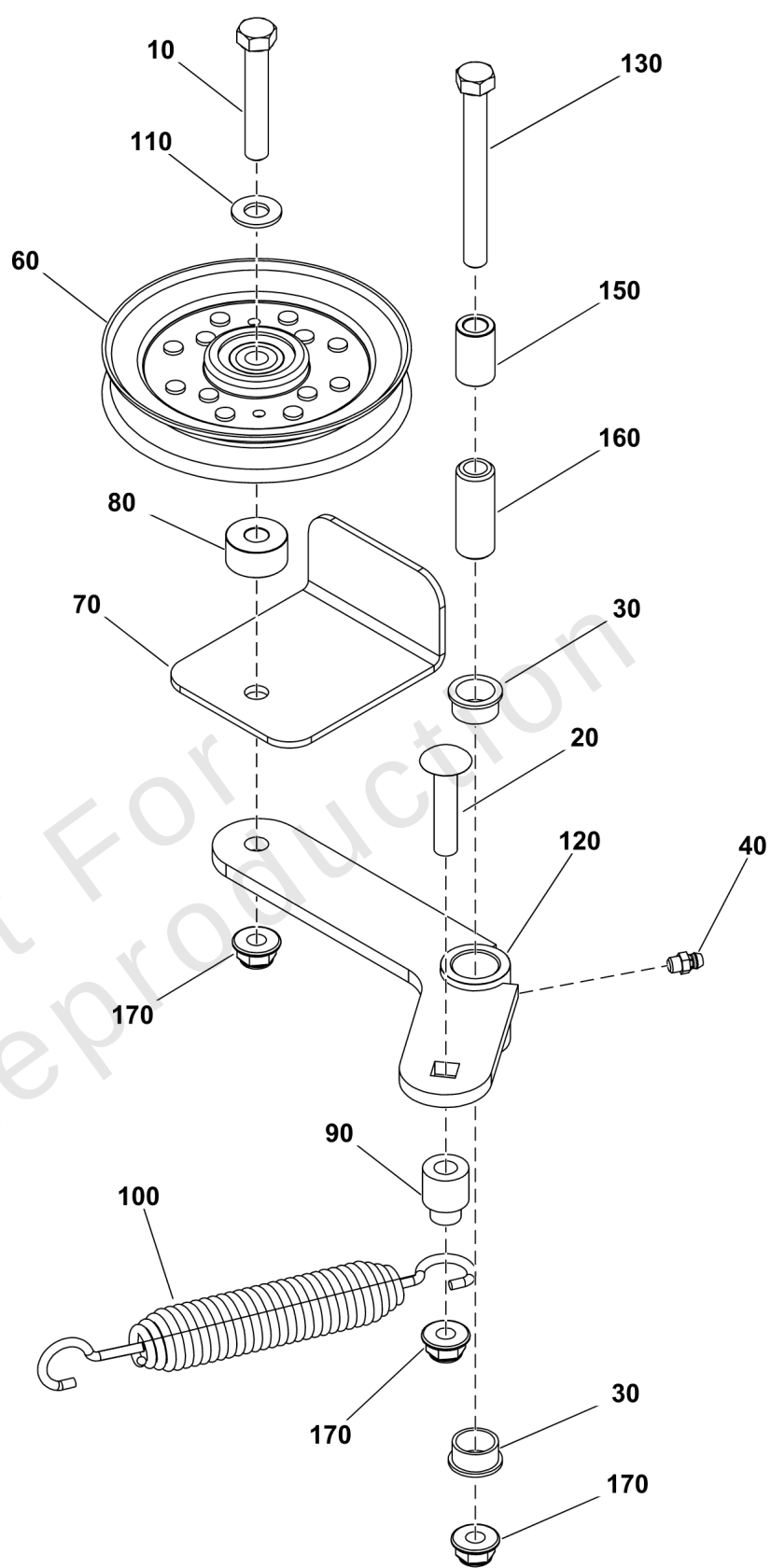
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Blower Group - Guards, Pulleys, and Deck Mount

REF NO	PART NO	QTY	DESCRIPTION
10	5103469YP	2	CLAMP
20	5105339FS	1	SPACER
30	5103468YP	1	PULLEY, DOUBLE
35	84013247	1	PLATE, Cover -(Includes ref #40, #50, #60, #70, and #80.)
40	-----	1	Guard, Pulley, Front
50	-----	1	Guard, Pulley, Rear
60	-----	1	Plate, Belt Guard
70	5101731YP	2	KNOB, 5/616-18 X 1
80	1935255SM	2	NUT, SPEED, 5/16-18 L

Blower Group - Idler Arm



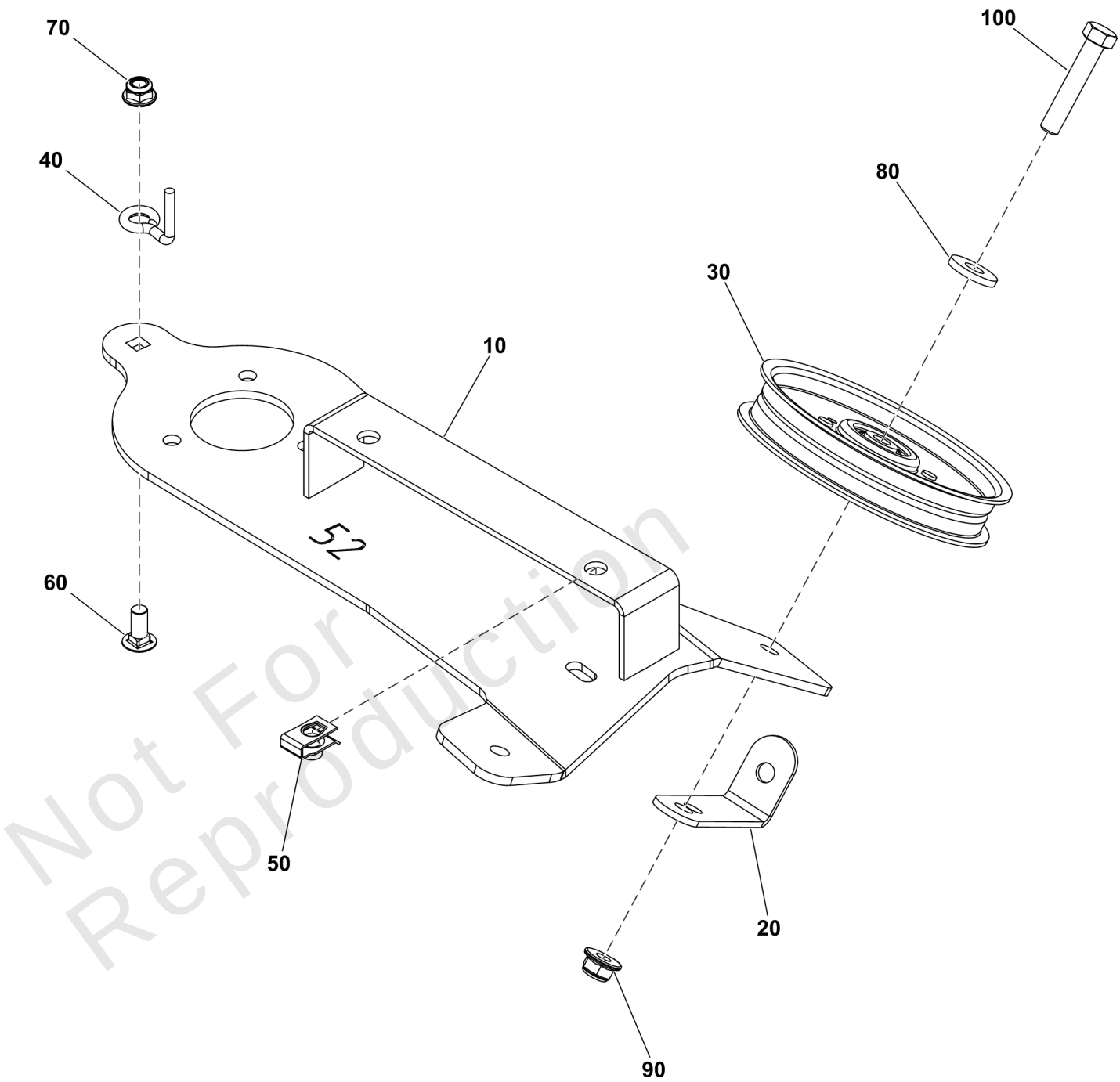
Blower Group - Idler Arm

REF NO	PART NO	QTY	DESCRIPTION
10	5025013X18SM	1	BOLT, 3/8-16 X 2-1/4"
20	703858	1	BOLT, 3/8-16X1.75
30	1676148SM	2	BUSHING-0.628IDX
40	5020095SM	1	GREASE FITTING, 1/4-2
60	5103456YP	1	PULLEY-IDLER-V, 4.85OB, .38ID
70	5409609AFS	1	RETAINER
80	5046860SM	1	SPACER
90	1706644SM	1	SPACER,3/8X3/4X15/16
100	5022847SM	1	SPRING, EXTENSION, SW
110	5025156FS	2	WASHER
120	5409892YP	1	ARM-IDLER -(Includes items # 30 and 40).
130	5025013X28SM	1	BOLT, 3/8-16 X 3-1/2"
150	5101933YP	1	SPACER
160	5102322YP	1	SPACER
170	5025394SM	3	NUT, 3/8-16 HEX NYLOCK

Blower Group - Pulley Plate

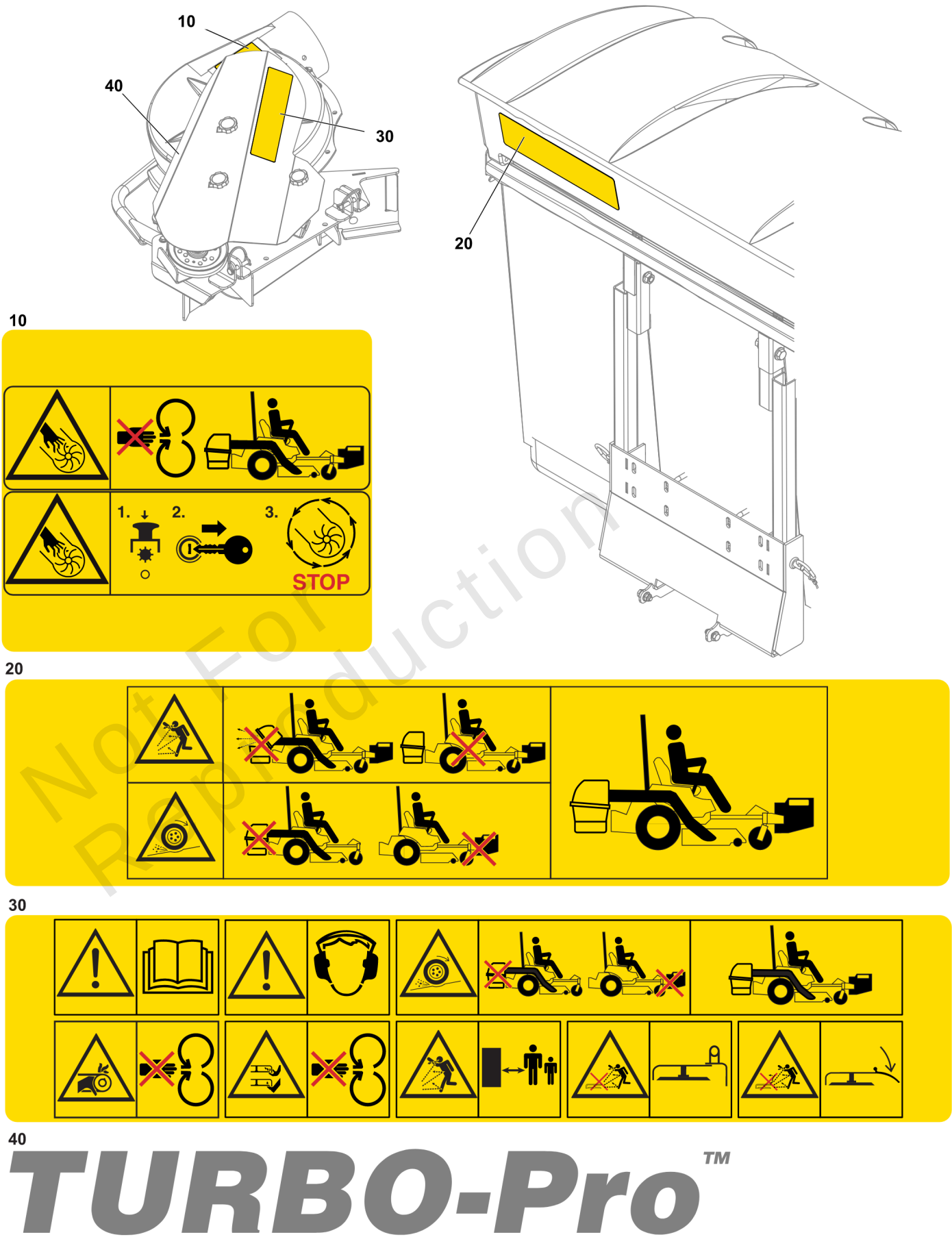
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Blower Group - Pulley Plate

REF NO	PART NO	QTY	DESCRIPTION
10	5409522AFS	1	PLATE
20	5409610AFS	1	RETAINER
30	5101193YP	1	PULLEY, FLAT IDLER, 5
40	5103488YP	1	KEEPER
50	1935255SM	2	NUT, SPEED, 5/16-18 L
60	5025145X6SM	1	BOLT, 5/16-18 X 3/4",
70	5025392FS	1	NUT
80	704128	1	WASHER
90	5025394SM	1	NUT, 3/8-16 HEX NYLOCK
100	703589	1	CAPSCREW, 3/8-16X2



Decal Group

REF NO	PART NO	QTY	DESCRIPTION
10	84008094	1	DECAL, Warning/Safety
20	84008105	1	DECAL, Warning/Safety
30	84008093	1	DECAL, Warning/Safety
40	5103559YP	1	DECAL

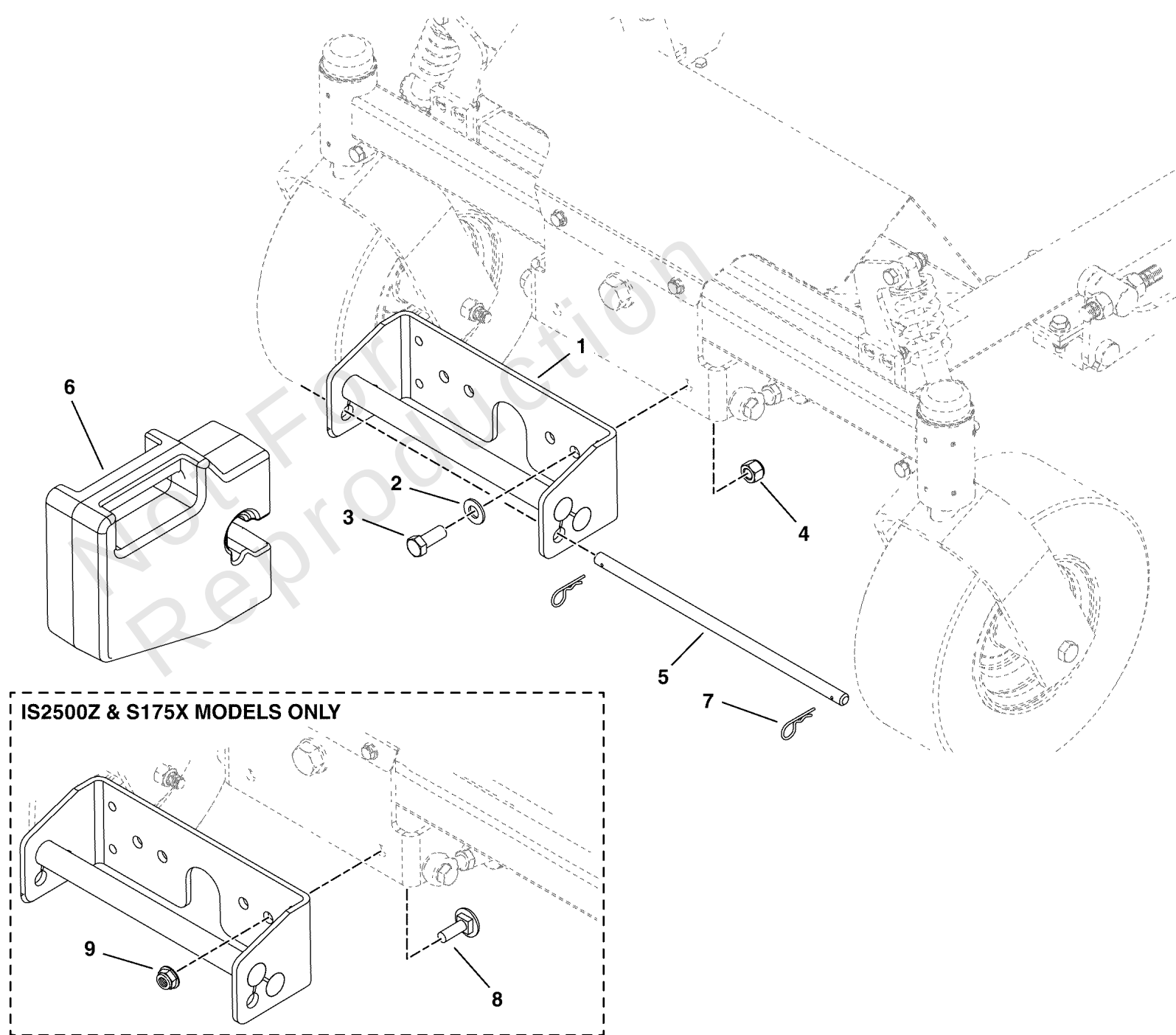
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Weight Mount Group, 66/100 LBS

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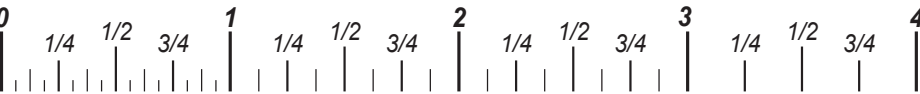
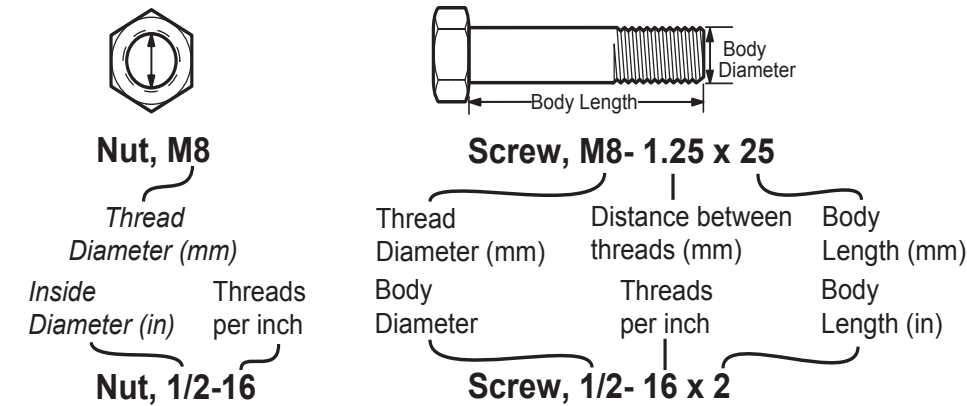
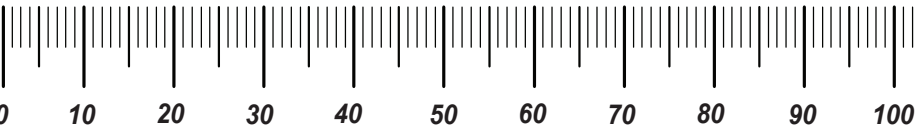
Weight Mount Group, 66/100 LBS

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 -(3-Bag Collection System)
6	1691319SM	2	WEIGHT - 33LBS -(2-Bag Collection System)
7	5025210YP	2	PIN, HAIR, .0915 X 1-7/8
8	5025324X10YP	2	BOLT
9	770225	2	NUT

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).

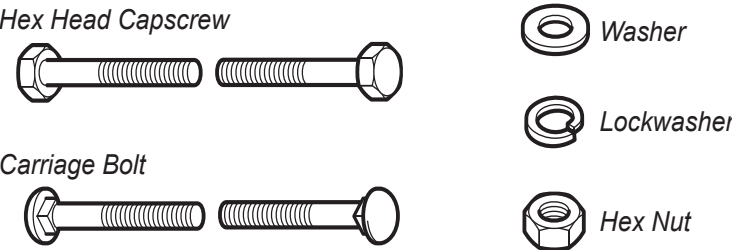
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

