

Parts Manual

Mfg. No: 5061369
61" 3-Bag System (1000Z, 27HP Model)

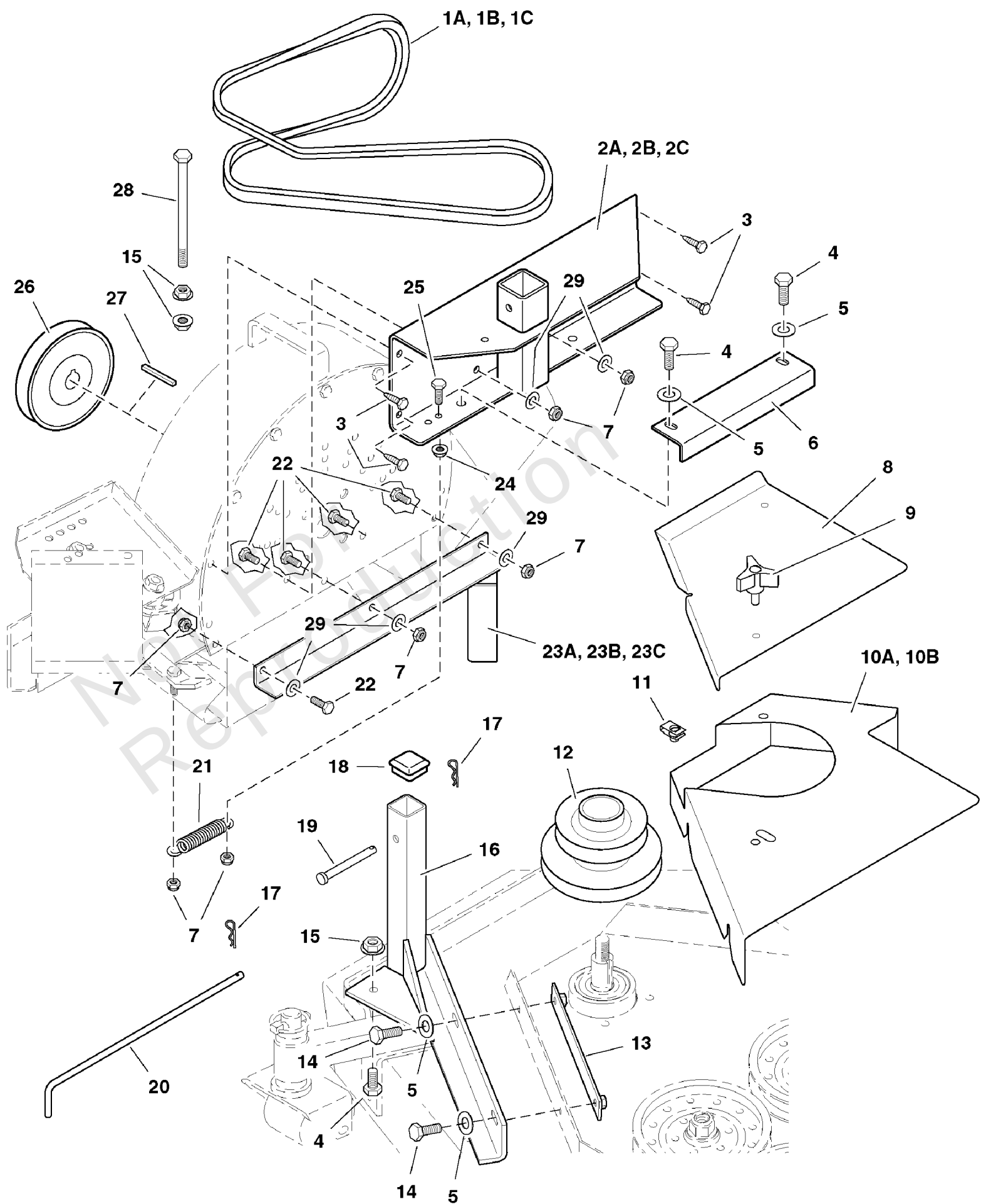
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61" Blower Mount & Drive Group

Note: Unless noted otherwise, use the standard torque specifications

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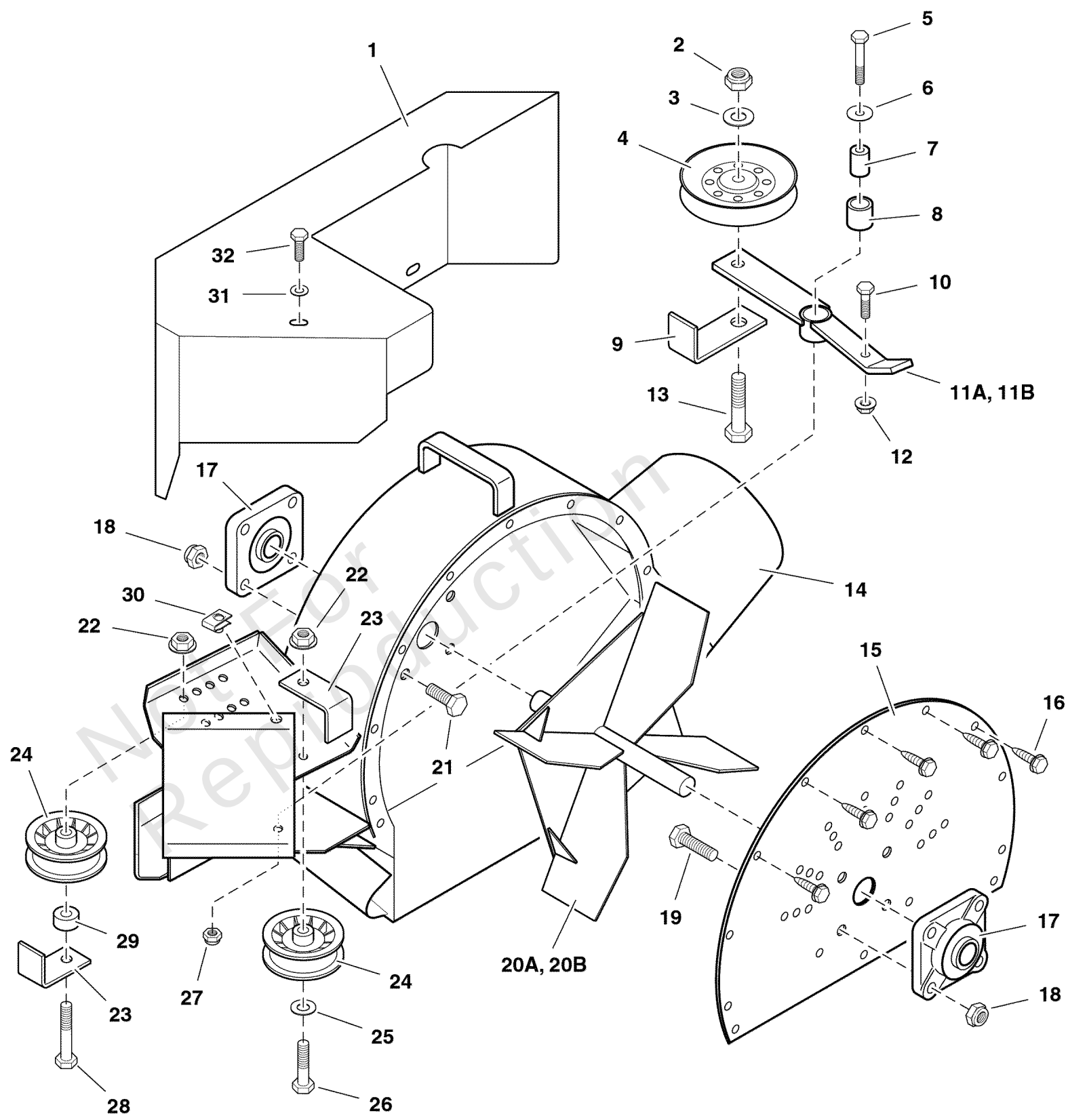
61" Blower Mount & Drive Group

REF NO	PART NO	QTY	DESCRIPTION
1A	5022840	1	BELT -(For 31207 & 31207-61 Blowers)
1B	5022844	1	BELT, A-SEC, 92.00EL, ARAMID, WRPD -(For 31207-61A Blower)
1C	5023107	1	BELT -(For 31207-61B Blower)
2A	5046871A	1	BLOWER MOUNT -(31207 & 31207-61)
2B	5047520A	1	BLOWER MOUNT -(31207-61A)
2C	5048271A	1	BLOWER MOUNT -(31207-61B)
3	5025059X6	4	BOLT, Self-Tapping, 5/16-18 x 3/4
4	5025013X8	3	BOLT, 3/8-16 X 1" GD5 CZ
5	5025156	4	WASHER, 3/8 SAE
6	5046814A	1	BOTTOM BRACE
7	5025057	7	NUT, 5/16-18 Hex Nylon Lock
8	5046872A	1	BELT SHIELD
9	5022319	2	KNOB
10A	5046874A	1	DECK GUARD -(31207 & 31207-61)
10B	5047515A	1	DECK GUARD -(31207-61A & 31207-61B)
11	5022308	2	BODY CLIP, 5/16-18-7GA MATERIAL
12	5046702	1	SPINDLE PULLEY
13	5046844A	1	INSIDE SUPPORT
14	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
15	5025128	3	NUT, 3/8-16 Hex Serrated Flange
16	5046842A	1	BLOWER DECK SUPPORT
17	5025210	2	HAIRPIN CLIP
18	5022848	1	CAP
19	5025214X32	1	CLEVIS PIN, 3/8 x 4
20	5046773	1	QUICK CONNECT ROD
21	5020807	1	SPRING, Extension
22	5025011X6	5	BOLT, 5/16-18 X 3/4 GD5
23A	5046812A	1	BOTTOM ADAPTER -(31207 & 31207-61)
23B	5047517A	1	BOTTOM ADAPTER -(31207-61A)
23C	5048272A	1	BOTTOM ADAPTER -(31207-61B)
24	5025127	1	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
25	5025011X10	1	BOLT, 5/16-18 x 1-1/4
26	5046808	1	BLOWER DRIVE PULLEY
27	5022726	1	KEY, 1/4 SQ. X 1-1/2
28	5025013X48	1	BOLT, 3/8-16 X 6" GD5 CZ
29	5025155	5	WASHER, 5/16" SAE

Blower Housing, Impeller, Guard & Idler Group

Note: Unless noted otherwise, use the standard torque specifications

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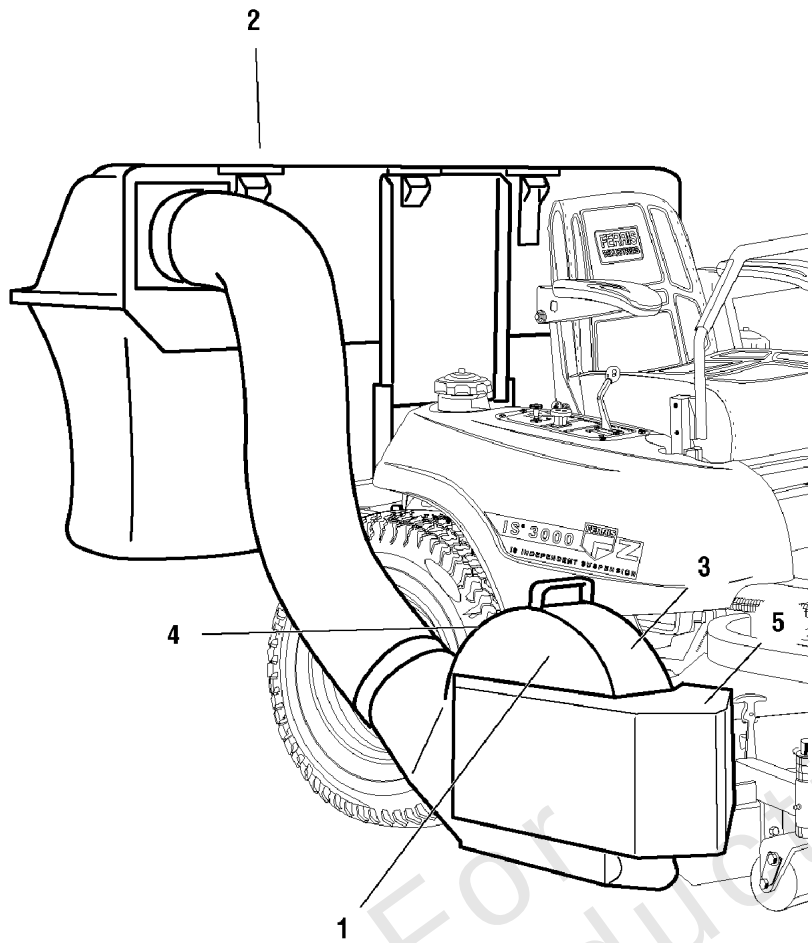
Blower Housing, Impeller, Guard & Idler Group

REF NO	PART NO	QTY	DESCRIPTION
1	5046782A	1	BELT GUARD
2	5025056	1	NUT, 1/2-13 HEX NYLON LOCK
3	5025158	1	WASHER, 1/2 SAE
4	5021097	1	PULLEY, V-Idler
5	5025011X14	1	BOLT, 5/16-18 x 1-3/4
6	5025164	1	WASHER, 5/16" Fender
7	5042134	1	SPACER, .32 x .75 x 1.06
8	5020876B	1	BUSHING, Brass
9	5046824A	1	BELT KEEP
10	5025011X10	1	BOLT, 5/16-18 x 1-1/4
11a	5046827A	1	IDLER ARM -(31207, All / 31207-48, S/N: 101-160 / 31207-52, S/N: 101-140 / 31207-61, All)
11b	5047253A	1	IDLER ARM -(31207-48, S/N: 161 & above / 31207-52, S/N: 141 & above / 31207-61A, All / 31207-61B, All)
12	5025127	1	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
13	5025017X18	1	BOLT, 1/2-13 X 2-1/4" GD5 CZ
14	5046781A	1	BLOWER HOUSING
15	5046853A	1	BACK PLATE
16	5025059X6	5	BOLT, Self-Tapping, 5/16-18 x 3/4
17	5022832	2	BEARING
18	5025125	8	NUT, 7/16-14 Hex Nylon Lock
19	5025015X12	4	BOLT, 7/16-14 x 1-1/2
20a	5403741	1	WELD, IMPELLER, FAST VAC BLOWER -(Production Date 04/06/2010 & Earlier)
20b	5407093	1	WELD, IMPELLER, FAST-VAC BLOWER -(Production Date 04/07/2010 & Later)
21	5025015X10	4	BOLT, 7/16-14 x 1-1/4
22	5025128	2	NUT, 3/8-16 Hex Serrated Flange
23	5046813A	2	BELT KEEP
24	1721133SM	2	PULLEY, IDLER
25	5025156	1	WASHER, 3/8 SAE
26	5025013X14	1	BOLT, 3/8-16 X 1-3/4" GD5 CZ
27	5025057	1	NUT, 5/16-18 Hex Nylon Lock
28	5025013X18	1	BOLT, 3/8-16 X 2-1/4" GD5 CZ
29	5046860	1	SPACER, .39 x 1.00 x .50
30	5022308	3	BODY CLIP, 5/16-18-7GA MATERIAL
31	5025155	3	WASHER, 5/16" SAE
32	5025011X8	3	BOLT, 5/16-18 X 1 GD5 YZ

Decals - Brand, Safety & Instruction (Double and Triple Bag Collectors)

Note: Unless noted otherwise, use the standard torque specifications

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1 — **FAST-Vac**

2 — **WARNING**

- Do not open cover with engine running.
- Do not operate mower without the complete catcher in place.
- When operating on slopes, refer to operator's manual for counterweights.



3 — **DANGER**

- Contact with moving blades and rotating parts could cause serious injury or death.
- When mowing, keep all parts of body away from blades and rotating parts.
- Do NOT operate the mower without the bag collector in place.
- When mowing on slopes, use proper counterweights. If not, the mower could tip over.
- When mowing on slopes, use proper counterweights. If not, the mower could tip over.

WARNING

- When the mower is running, the bag collector must be in place. If the bag collector is not in place, the mower could tip over.
- When mowing on slopes, use proper counterweights. If not, the mower could tip over.

4 — **WARNING**

HIGH SPEED DISCHARGE CAN CAUSE INJURY OR DEATH. DO NOT RUN BLOWER WITHOUT DISCHARGE TUBE, HOOD AND BAGS INSTALLED AND LATCHED.



5 — **WARNING**

- This shield must be in place at all times during operation.
- Mower deflector must be in down position when blower is removed.

Decals - Brand, Safety & Instruction (Double and Triple Bag Collectors)

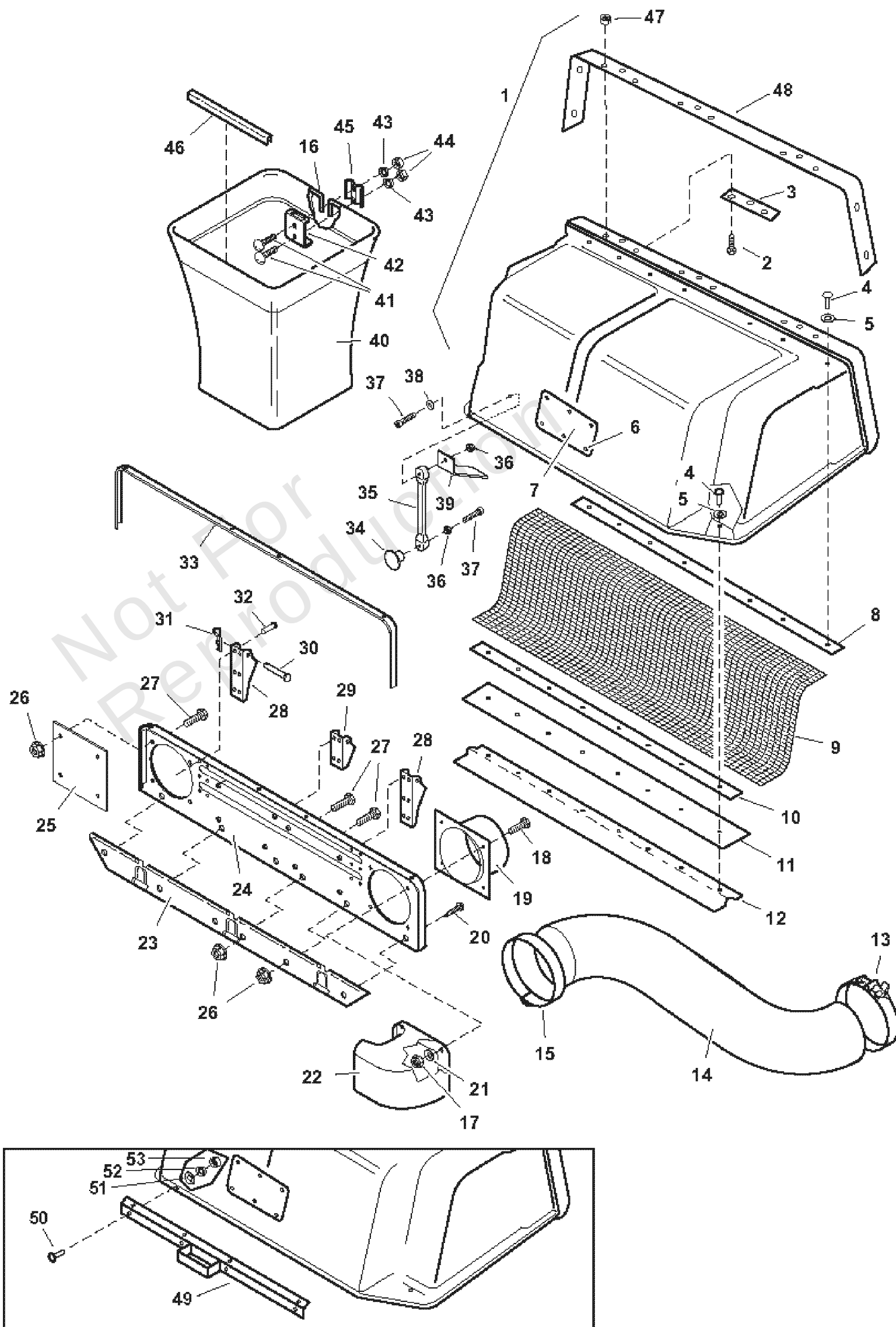
REF NO	PART NO	QTY	DESCRIPTION
1	5046944	1	DECAL, Fast-Vac
2	1704405	1	DECAL, Safety
3	5046850	1	DECAL, Danger/Warning
4	5046851	1	DECAL, Warning-Blower
5	5046883	2	DECAL, Warning-Shield

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Triple Catcher Cover & Bag Group

Note: Unless noted otherwise, use the standard torque specifications

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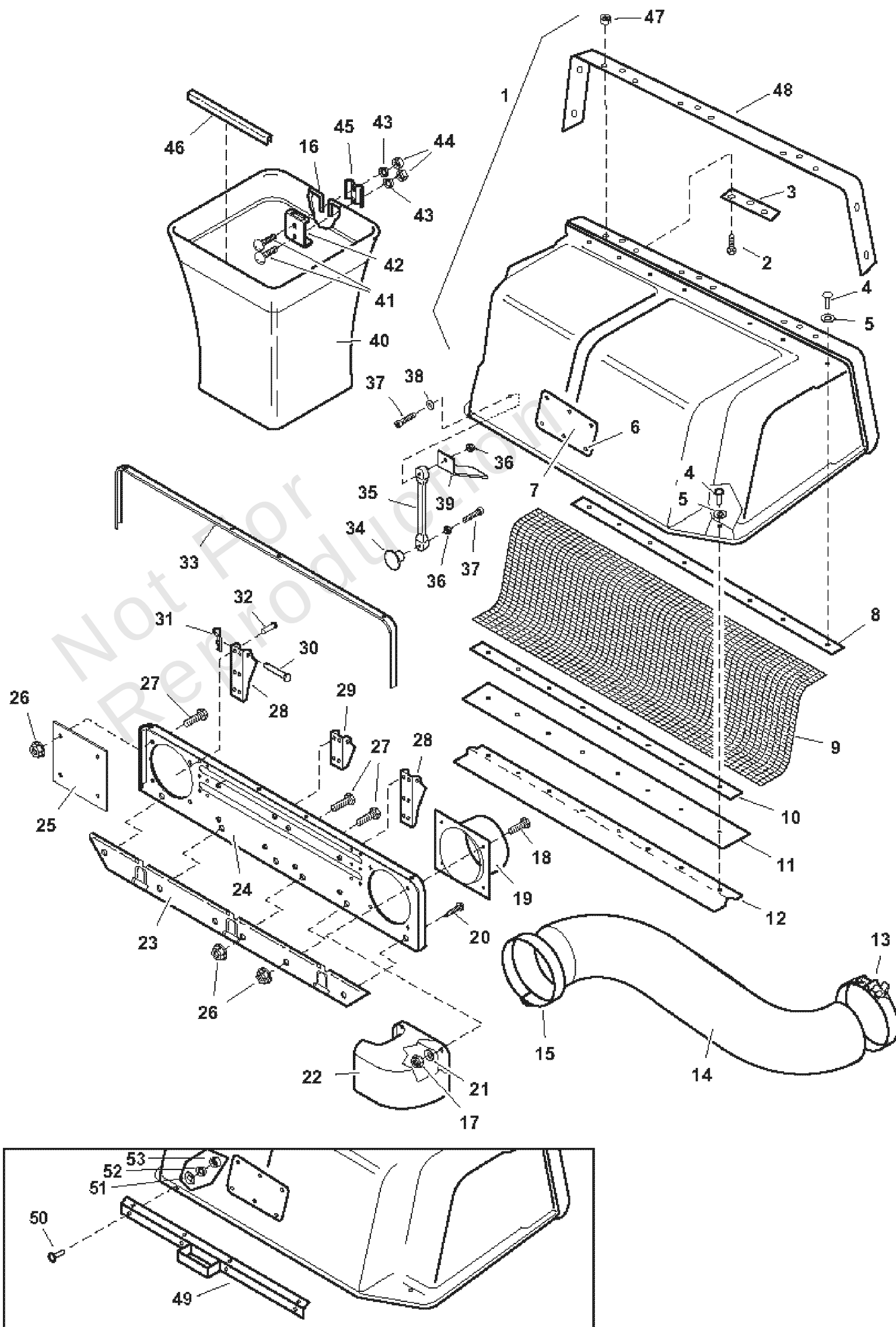
Triple Catcher Cover & Bag Group

REF NO	PART NO	QTY	DESCRIPTION
1	5046862	1	COVER & SCREEN ASSEMBLY -(Includes Ref No. 2-5, 8-12, 47-53)
2	5025010X6	9	BOLT, 1/4-20 x 3/4 -(stiffener to top of cover)
2	-----	4	HHCS, 1/4-20 X 0.625, GR5, ZINC/CLEAR -(stiffener to side of cover)
3	1717067	3	HINGE ASSEMBLY
4	2825160	25	RIVET
5	1910531	16	WASHER
6	1667248	6	CLIP, Canoe
7	1704405	1	DECAL, Safety
8	1716970	1	CLAMP
9	1717041	1	SCREEN
10	1717524	1	CLAMP, Seal
11	1716968	1	SEAL
12	1716972	1	ANGLE, Screen
13	5022876	1	HOSE CLAMP, Lower
14	5103646	1	HOSE, FLEXIBLE, 7" DIA. X 58"
15	5022875	1	HOSE CLAMP, Upper
16	1703855	3	HOOP, Bag
17	5025057	4	NUT, 5/16-18 Hex Nylon Lock
18	5025011X8	4	BOLT, 5/16-18 X 1 GD5 YZ
19	5046801A	1	HOSE ADAPTER
20	1925003	3	CAPSCREW, Taptite, 1/4-20 x 1/2
21	5025155	4	WASHER, 5/16" SAE
22	1717039	1	DEFLECTOR
23	1716973	1	CHANNEL ASSEMBLY
24	1716966	1	PLATE ASSEMBLY
25	1725969	1	INLET COVER
26	5025127	6	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
27	5025011X6	6	BOLT, 5/16-18 X 3/4 GD5
28	1720875	2	HINGE
29	1720945	1	HINGE
30	1672344	3	PIN, 3/8 x 2-3/4
31	1960074	3	PIN, Hair
32	5022834	16	RIVET
33	1717082	1	SEAL
34	5022838	1	KNOB
35	5021670	1	RUBBER STRAP
36	5025254	2	NUT, #10-32 Hex Nylon Lock
37	5025178X12	2	SCREW, #10-32 x 1-1/2
38	5025343	1	WASHER, 3/16" USS
39	5046832A	1	COVER SUPPORT
40	1723339	3	BAG, Grass (Black)
41	5025145X6	6	CARRIAGE BOLT, 5/16-18 x 3/4
42	1703807	3	HANGER
43	5025170	6	WASHER, 5/16 LOCK CZ
44	5025032	6	NUT, 5/16-18 HEX
45	1672023	3	CLAMP
46	1675707	3	TUBE CLIP, Grass Bag
47	5025126	13	NUT, 1/4-20 HEX SERR. FLANGE
48	5027475A	1	HINGE STIFFENER

Triple Catcher Cover & Bag Group

Note: Unless noted otherwise, use the standard torque specifications

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Triple Catcher Cover & Bag Group

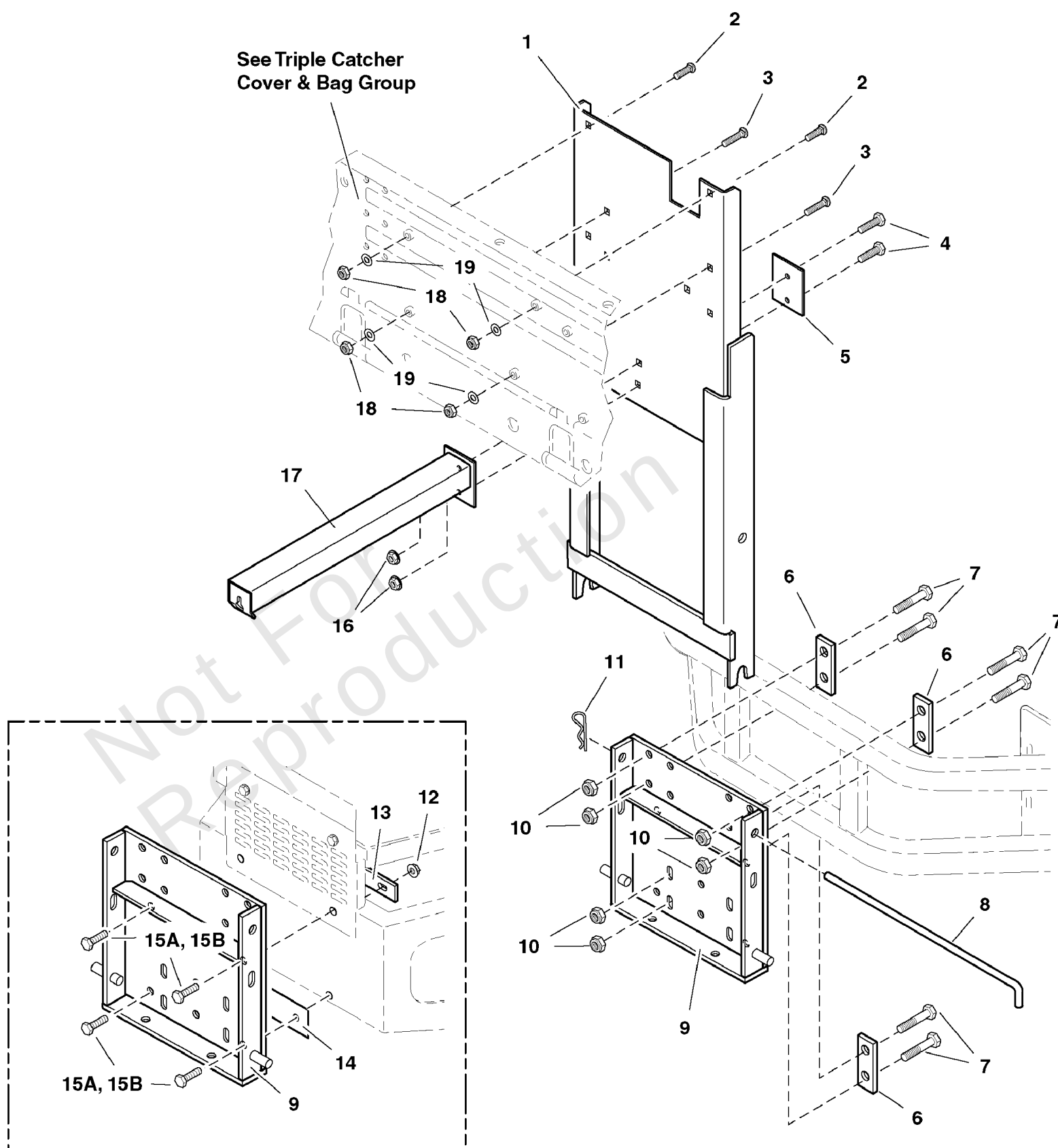
REF NO	PART NO	QTY	DESCRIPTION
49	2827476	1	COVER HANDLE
50	25283-4	8	SCREW, #8-32 x 1/2
51	25152	8	WASHER, #8 SAE
52	2831983	8	WASHER, Lock, #8
53	2831949	8	NUT, Hex, #8-32

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Triple Catcher Mount Group

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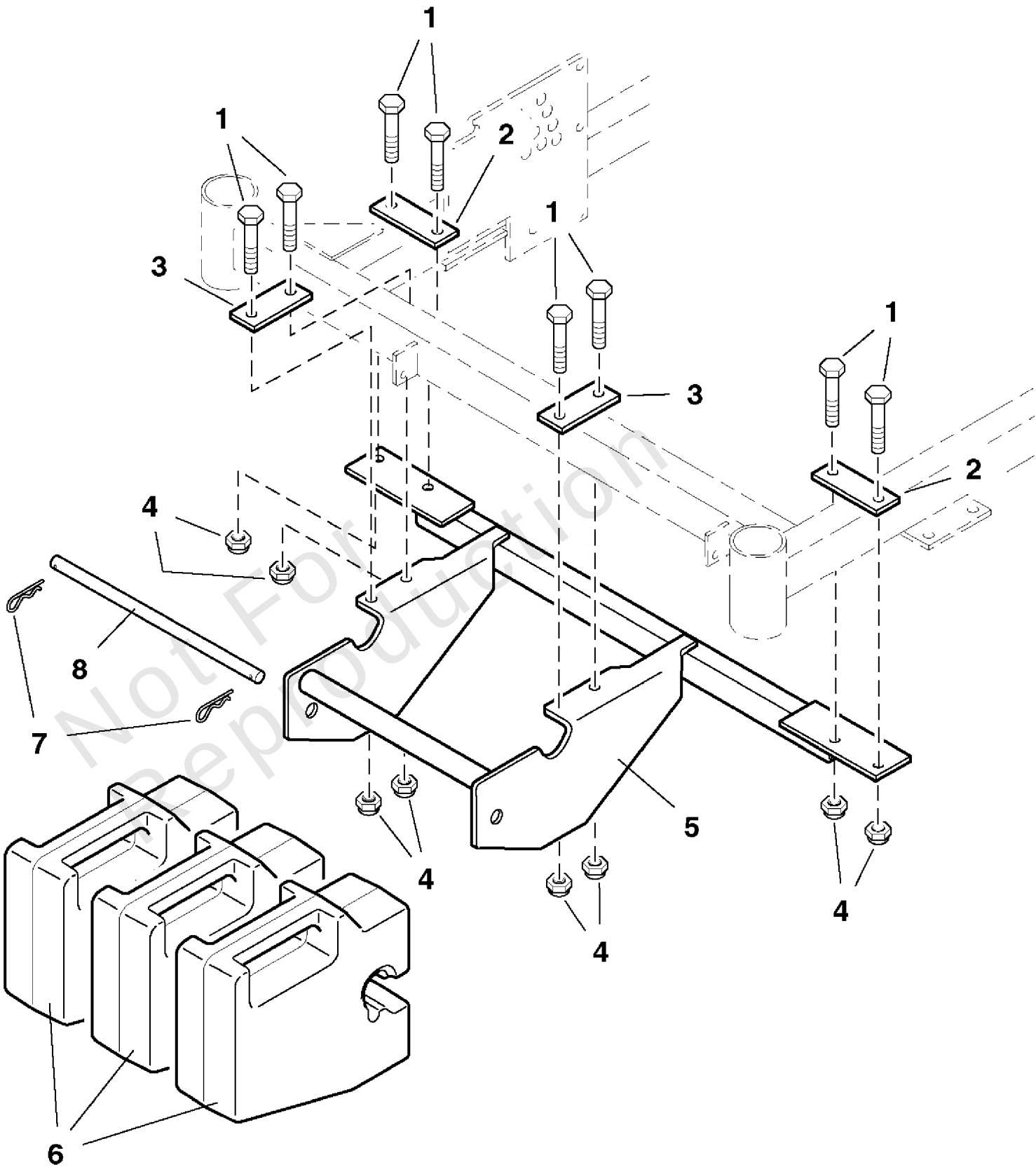
Triple Catcher Mount Group

REF NO	PART NO	QTY	DESCRIPTION
1	1723437	1	SUPPORT ASSEMBLY
2	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
3	5025145X10	2	BOLT, 5/16-18 X 1-1/4, CARRIAGE, GD5, CZ
4	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
5	5046829A	1	REINFORCEMENT PLATE
6	1721691	3	BAR CLAMP
7	5025013X20	6	BOLT, 3/8-16 X 2-1/2" GD5 CZ
8	1717085	1	HITCH ROD
9	1723436	1	HITCH PLATE
10	5025096	6	NUT, 3/8-16 HEX NYLON LOCK
11	1960033	1	Clip, Hair Pin
12	5025128	4	NUT, 3/8-16 Hex Large Serrated Flange
13	5047506A	1	BUMPER REINFORCEMENT
14	5047507A	1	SHIM
15A	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5 CZ
15B	703589	4	CAPSCREW, 3/8-16X2
16	5025127	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
17	5046831A	1	COVER LATCH ARM
18	5025057	4	NUT, Hex, Nylon Locking, 5/16-18
19	5025155	4	WASHER, 5/16" SAE

Weight Mount Group - 1000Z 27HP, 61" Model

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Weight Mount Group - 1000Z 27HP, 61" Model

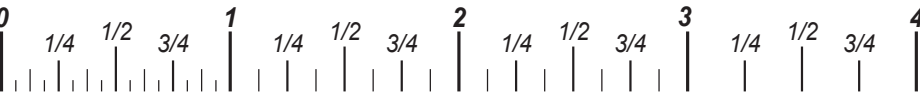
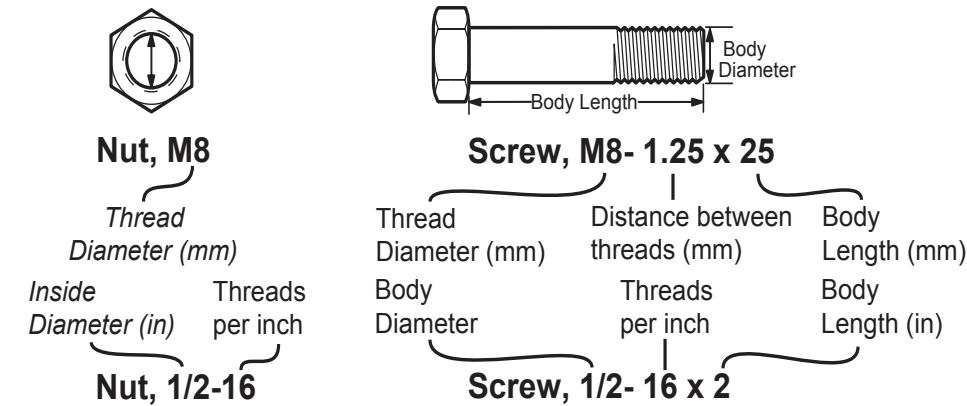
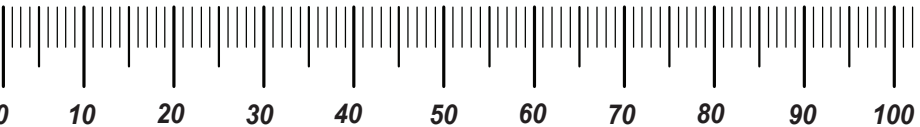
REF NO	PART NO	QTY	DESCRIPTION
1	5025013X24	8	BOLT, 3/8-16 X 3" GD5 CZ
2	5047510A	2	BAR CLAMP - Side
3	5046715A	2	BAR CLAMP - Front
4	5025096	8	NUT, 3/8-16 HEX NYLON LOCK
5	5049770A	1	WEIGHT MOUNT
6	1692939	3	WEIGHT, 50 lbs.
7	5025210	2	HAIRPIN CLIP
8	5047512	1	RETAINER ROD

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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).

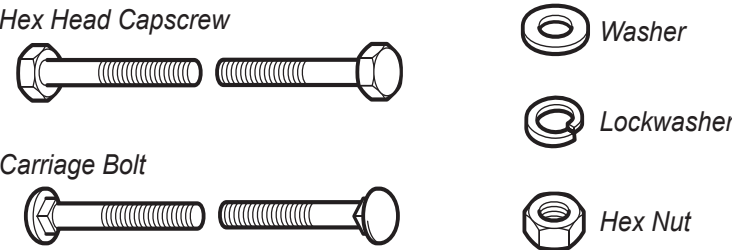
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

