

Parts Manual

Mfg. No: 5900510
72" Side Discharge iCD Mower Deck
(3100Z/72)

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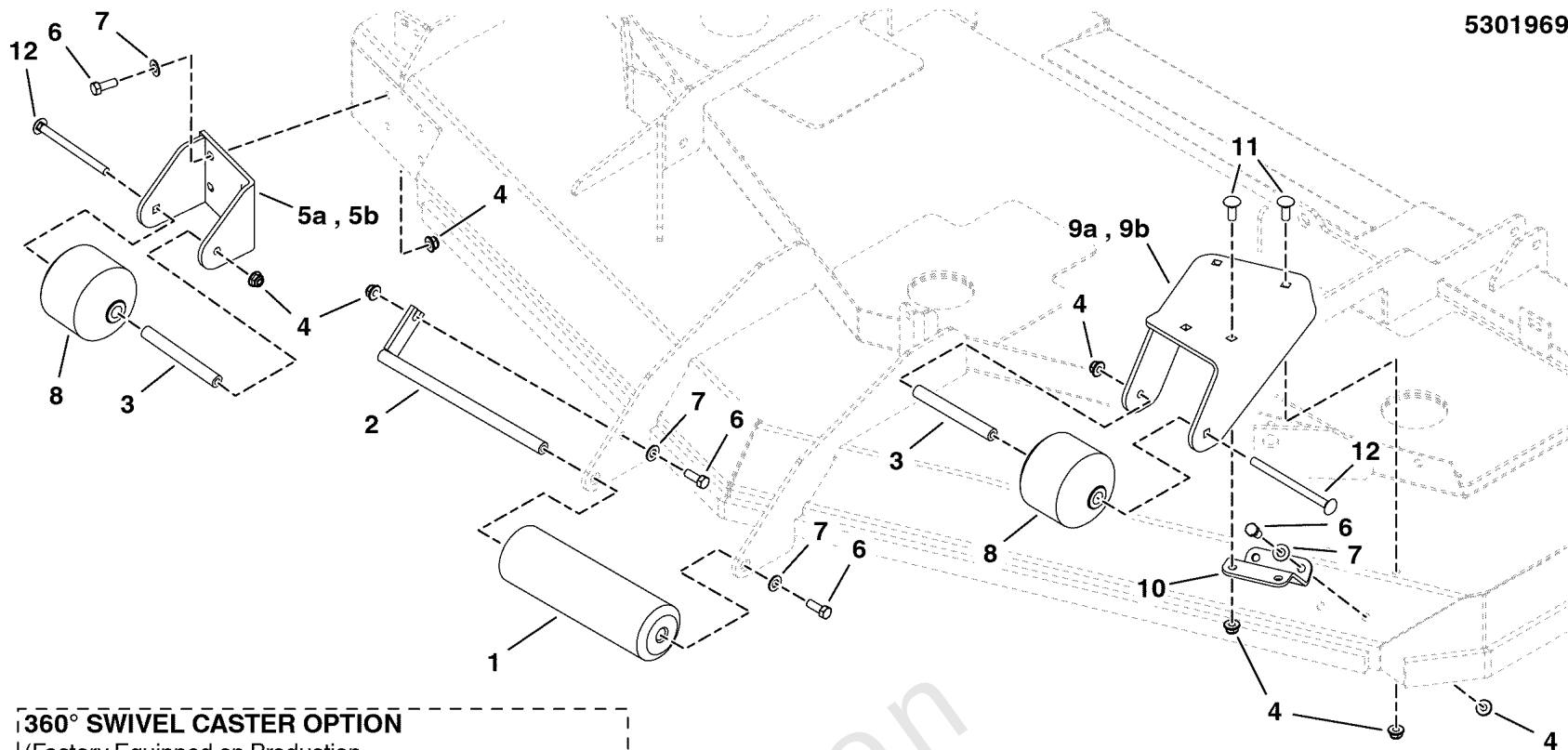
Not For
Reproduction

61" & 72" iCD Mower Deck - Rollers & Casters

Note: Unless noted otherwise, use the standard torque specifications

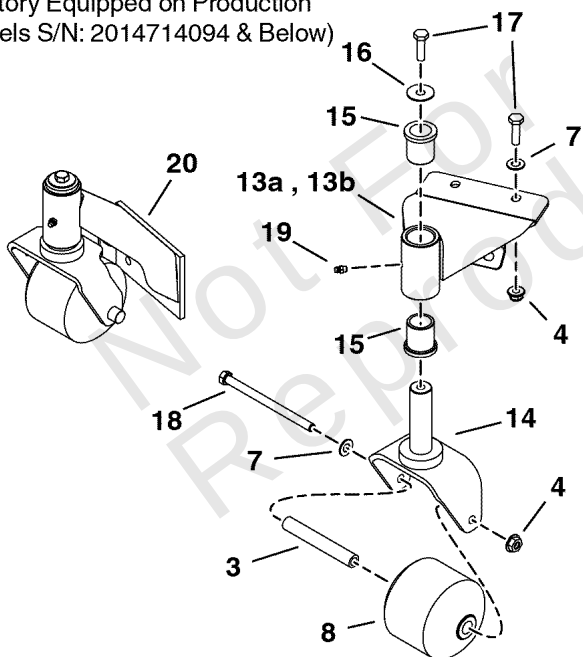
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5301969



360° SWIVEL CASTER OPTION

(Factory Equipped on Production Models S/N: 2014714094 & Below)



61" & 72" iCD Mower Deck - Rollers & Casters

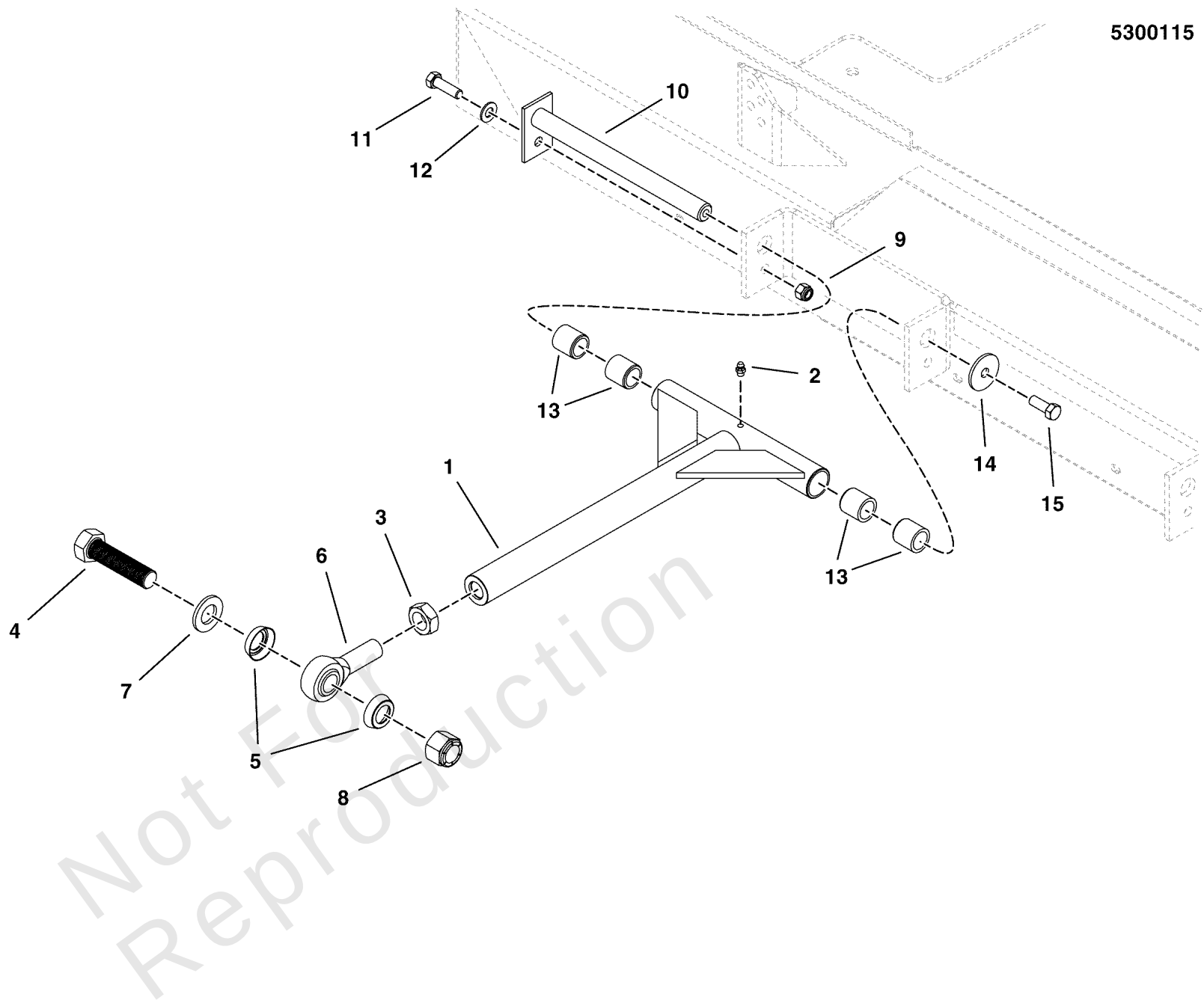
REF NO	PART NO	QTY	DESCRIPTION
1	5020785	1	ROLLER, DECK
2	5041655A	1	USE 5105755 - WELD, BRKT, ROLLER PIN, BLK
3	5101971	2	SPACER, .38 X .63 X 4.31
4	5025394	10	NUT, 3/8-16 HEX NYLOCK FLANGE
5a	5409705B	1	PLATE, BRACKET, ANTI-SCALP - RED -(61 Models)
5b	5409705B	1	PLATE, BRACKET, ANTI-SCALP - RED -(72 Models)
6	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
7	5025156	4	WASHER, 3/8 SAE
8	5022060	2	ROLLER, SMALL
9a	5407765B	1	WELD, ANTI-SCALP BRACKET - RED -(61 Models)
9b	5408127B	1	WELD, ANTI-SCALP BRACKET - RED -(72 Models)
10	5407764B	1	PLATE, ANTI-SCALP SUPPORT - RED -(61 & 72 Models)
11	1931350	4	BOLT, RD HD SH SQ NK 3/8- 16X1.000 G5 BL
12	5025146X44	2	BOLT, 3/8-16 X 5-1/2, CARRIAGE
13a	5404523B	1	WELD, CASTER BRACKET, IS3100 - RED -(61 Models)
13b	5408014B	1	WELD, CASTER BRACKET - RED -(72 Models)
14	5405009B	2	WELD, CASTER YOKE - RED -(61 & 72 Models)
15	5021541	4	BUSHING, FLANGE
16	5100548	1	WASHER, .390 X 1.50 X .109, YZ
17	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 CZ
18	5025013X44	2	BOLT, 3/8-16 X 5-1/2" GD5 CZ
19	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
20	5404876B	1	WELD, ANTI-SCALP, CASTER BRACKET - RED -(61 & 72 Models)

61" & 72" Mower Deck - Rear Mount Bars

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61" & 72" Mower Deck - Rear Mount Bars

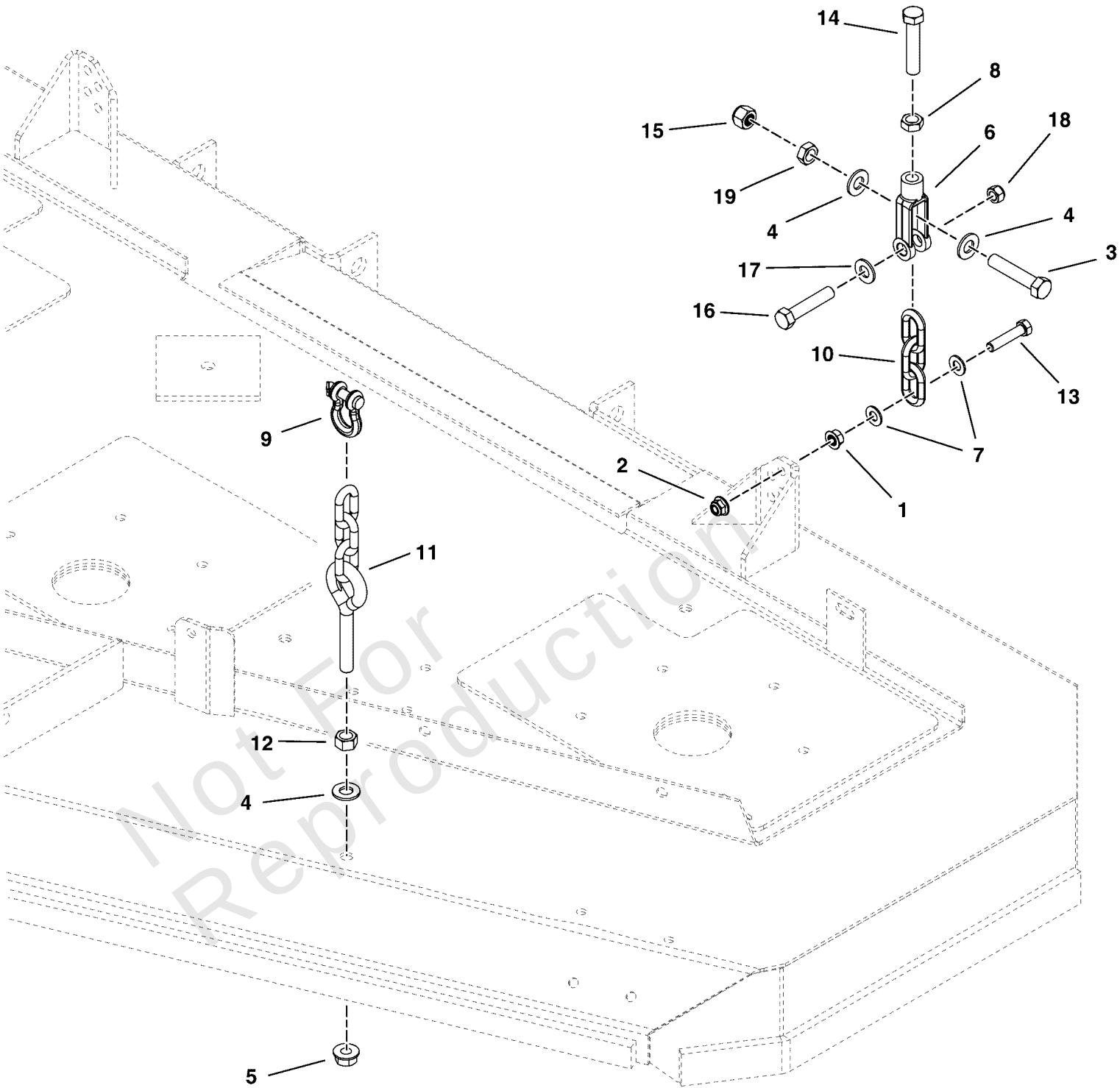
REF NO	PART NO	QTY	DESCRIPTION
1	5045009B	2	ASSM, DECK PUSHER BAR -(Includes Item # 13).
2	5020095	2	GREASE FITTING, 1/4-28 STRAIGHT
3	5025093	2	NUT, 3/4-16 HEX JAM
4	5025265X24	2	BOLT, 3/4-16 X 3" YZ GD5
5	5022111	4	SEAL, 3/4" ROD END
6	5022039	2	BALL JOINT, 3/4-16 MALE
7	5025160	2	WASHER, 3/4 SAE
8	5025284	2	NUT, 3/4-16 HEX NYLON LOCK
9	5025096	2	NUT, 3/8-16 HEX NYLON LOCK
10	5045037A	2	NLA - WELD, DECK MOUNT SHAFT - BLK
11	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
12	5025156	2	WASHER, 3/8 SAE
13	5023344	8	BUSHING, .75 X 1.00 X 1.00, PLASTIC
14	5100548	2	WASHER, .390 X 1.50 X .109 YZ
15	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ

72" iCD Mower Deck - Hanger Chains

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72" iCD Mower Deck - Hanger Chains

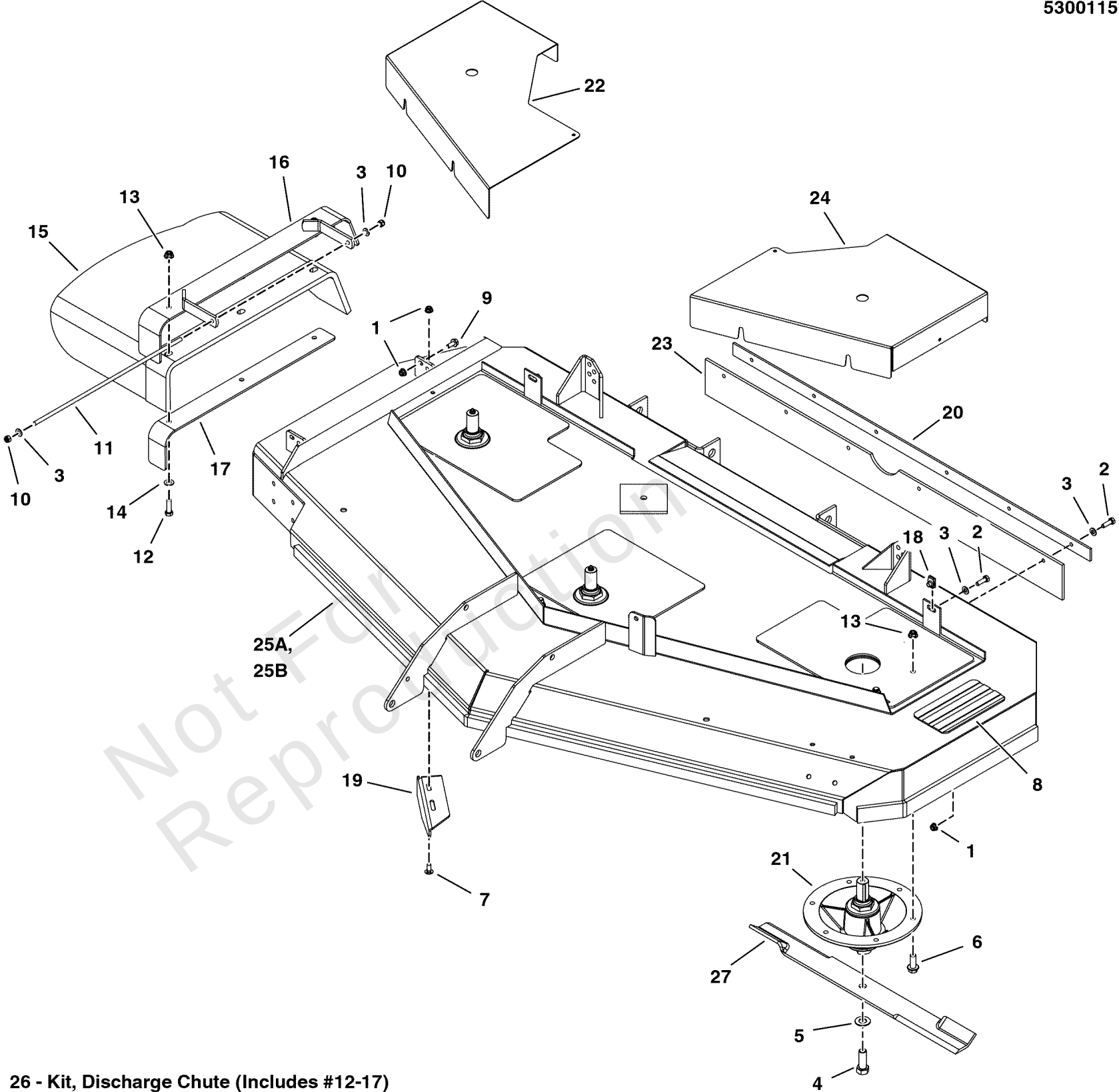
REF NO	PART NO	QTY	DESCRIPTION
1	5025128	2	NUT, 3/8-16 Hex Large Serrated Flange
2	5025394	2	NUT, 3/8 - 16 HEX NYLOCK FLANGE
3	5025017X22	2	BOLT, 1/2-13 X 2-3/4 GD5 CZ
4	5025158	6	WASHER, 1/2 SAE
5	5025396	2	NUT, Hex Flange, Nylock, 1/2-13
6	5023174	2	CLEVIS, 1/2-20, STEEL, CLEAR ZINC
7	5025156	2	WASHER, 3/8 SAE
8	5025089	2	NUT, 1/2-20 Hex Jam
9	5025438	2	ROUND. PIN ANCHOR SHACKLE
10	5050878X3	2	CHAIN, 5/16" GD30, 3 LINKS
11	5104310	2	HANGER, FRONT DECK-3LINK, 5.5" EB
12	5025038	2	NUT, 1/2-13 HEX, YZ
13	5025013X14	2	BOLT, 3/8-16 X 1-3/4" GD5 CZ
14	5025426	2	BOLT, 1/2-20 X 2-1/2, FLT
15	5025056	2	NUT, 1/2-13 HEX NYLON LOCK
16	80018782	2	CAPSCREW-HEX HD 7/16-14X2.000 G8 CL/ZC
17	80004028	2	WSHR,7/16 ID X .065 THK, FLAT,ZINC/CLEAR
18	1930650	2	NUT-HEX FLANGE 7/16-14 TWO WAY LK GA BLK
19	5025301	2	NUT, Hex, Jam, 1/2-13

72" iCD Mower Deck - Housing, Covers, Spindles & Blades

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72" iCD Mower Deck - Housing, Covers, Spindles & Blades

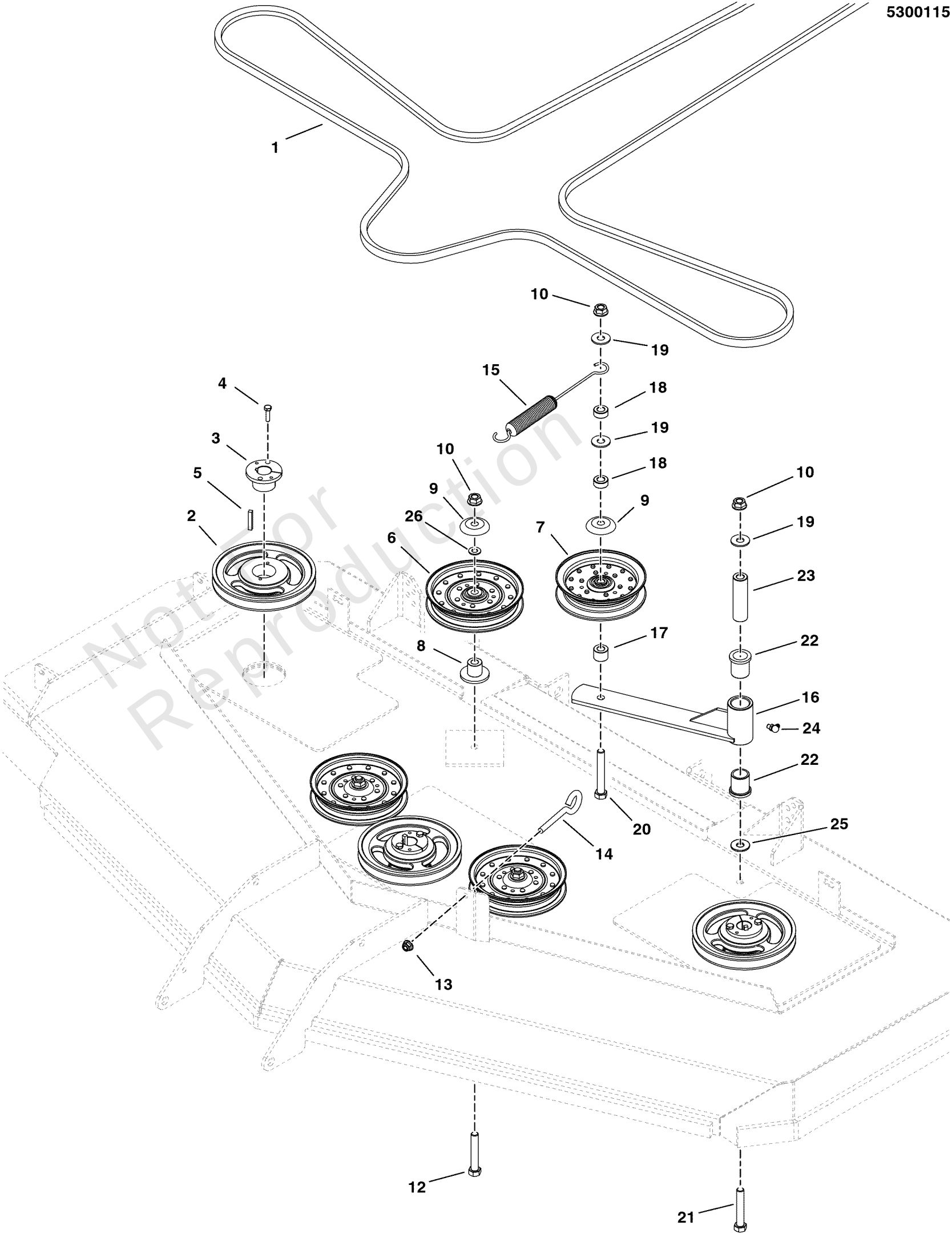
REF NO	PART NO	QTY	DESCRIPTION
1	5025392	9	NUT, 5/16-18 HEX NYLOCK FLANGE
2	5025011X8	12	BOLT, 5/16-18 X 1 GD5 YZ
3	5025155	14	WASHER, 5/16" SAE
4	5025320X14	3	BOLT, 5/8-11 X 1-3/4 GD8
5	5025477	3	WASHER, 5/8 GRADE 8, YZ
6	5025390X10	18	BOLT, 3/8-16 X 1-1/4, FLANGE, GD 5, CZ
7	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE
8	5101004	1	SAFETY WALK, 4.00 X 7.50
9	5025011X6	1	BOLT, 5/16-18 X 3/4 GD5
10	5025045	2	NUT, 5/16-24 HEX NYLON LOCK
11	5103045	1	ROD, MOUNT, CHUTE, 72, CZ
12	5025013X12	3	BOLT, 3/8-16 X 1-1/2" GD5 CZ
13	5025394	21	NUT, 3/8-16 HEX NYLOCK FLANGE
14	5025156	3	WASHER, 3/8 SAE
15	5402403	1	CHUTE, DISCHARGE, RUBBER, 61/72, BENT
16	5408016A	1	WELD, FRAME, CHUTE, 72 - BLK
17	5408018A	1	SUPPORT, DISCHARGE CHUTE - BLK
18	5022308	6	BODY CLIP, 5/16-18-7GA MATERIAL
19	5407876A	1	PLATE, DEFLECTOR, 72 - BLK
20	5406164AAFS	1	PLATE
21	84007984	3	SPINDLE ASSEMBLY -(S/N: 2017458254 and below)
21	84003242	3	SPINDLE ASSEMBLY -(S/N: 2017458255 and above)
22	5401136B	1	GUARD, 72", RH
23	5102621	1	FLAP, STRIPER, 72
24	5401695B	1	GUARD, 72", LH
25A	5600531	1	DECK SHELL W/ DECALS, 72
25B	5600533	1	DECK SHELL W/ DECALS, 72, ANSI-EXP -(ANSI Export)
26	5600530	1	KIT, DISCHARGE CHUTE, 72, ZTR
27	5102227S	1	BLADE, 25 X 25 X 2.50, HIGH LIFT (SET OF 3)

72" iCD Mower Deck - Pulleys, Belts & Idler

Note: Unless noted otherwise, use the standard torque specifications

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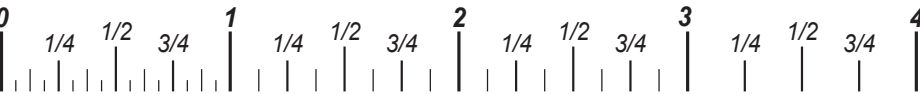
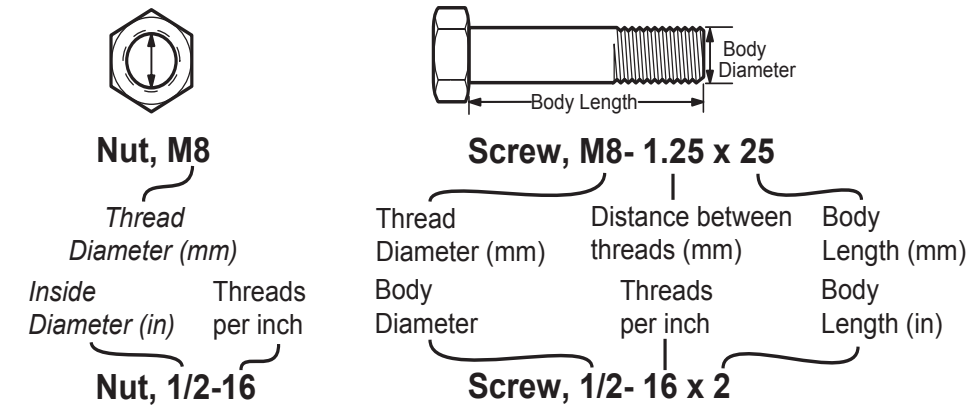
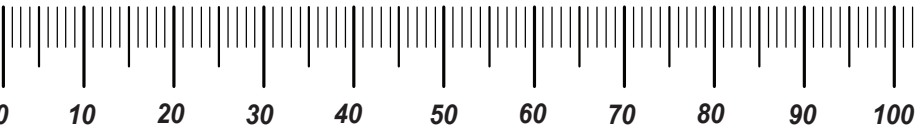
72" iCD Mower Deck - Pulleys, Belts & Idler

REF NO	PART NO	QTY	DESCRIPTION
1	5104059	1	BELT, SPB/XPB 193.9" EL, LRG ARAMID, 2T
2	5022794	3	PULLEY, SPINDLE, BH72
3	5020819	3	BUSHING, TAPERED HUB
4	5025010X8	6	BOLT, 1/4-20 X 1" GD5 CZ
5	5022726	3	KEY 1/4 SQ X 1 1/2 LONG
6	-----	3	Replace with: Pulley #5104717 & Debris Shield #5105145 -*If not present, order 5025158 - washer and 5101103 - shield.
7	-----	1	USE 5104716 PULLEY + 5105145 SHIELD
8	5103430	3	IDLER MOUNT
9	5101103	4	SHIELD, PULLEY BEARING
10	5025396	5	NUT, Hex Flange, Nylock, 1/2-13
11	5025017X22	2	BOLT, 1/2-13 X 2-3/4 GD5 CZ -(Secure Front Two Idler Pulleys)
12	5025017X24	1	BOLT, 1/2-13 X 3" GD5 CZ
13	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE
14	5023497	1	EYE BOLT, 3/8-16 X 5, 2.88THRD, 1EYE, CZ
15	5023340	1	SPRING-EXT, 1.04 ODX10.535LGX.148WR, BLK
16	5060001	1	IDLER ARM ASSEMBLY
17	5101161	1	SPACER, .52 X 1.00 X .63, CZ
18	5045023	2	SPACER, .52 X 1.00 X .44, CZ
19	5025150	3	WASHER, 1/2 USS
20	5025017X28	1	BOLT, 1/2-13 X 3-1/2, HEX HD, GD5, CZ (SV)
21	5025017X40	1	BOLT-1/2-13 X 5 GD5
22	5021541	2	BUSHING, FLANGE
23	5045022	1	SPACER, .52 X 1.00 X 3.50
24	5025447	1	GREASE FITTING, 1/4-28, 90 DEGREE
25	5103282	1	WASHER, .52 X 1.75 X .14, CZ
26	5025158	4	WASHER, 1/2 SAE

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).

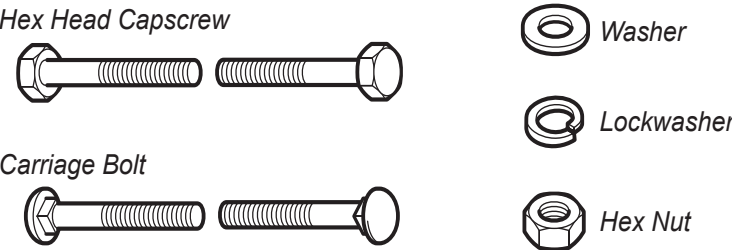
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

