Parts Manual

Mfg. No: 7800979A-00

2185020, 21" 8.5 GTP HV Steel Deck
Series 20

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24-Apr-2024

7061201 - 21" Recycling Steel Deck Plug Kit. . . . . .
7061200 - 21" Recycling Steel Deck Cover Kit. . . . . .

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Model Components

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Bag, Discharge & Mulch Group

Note: Unless noted otherwise, use the standard torque specifications

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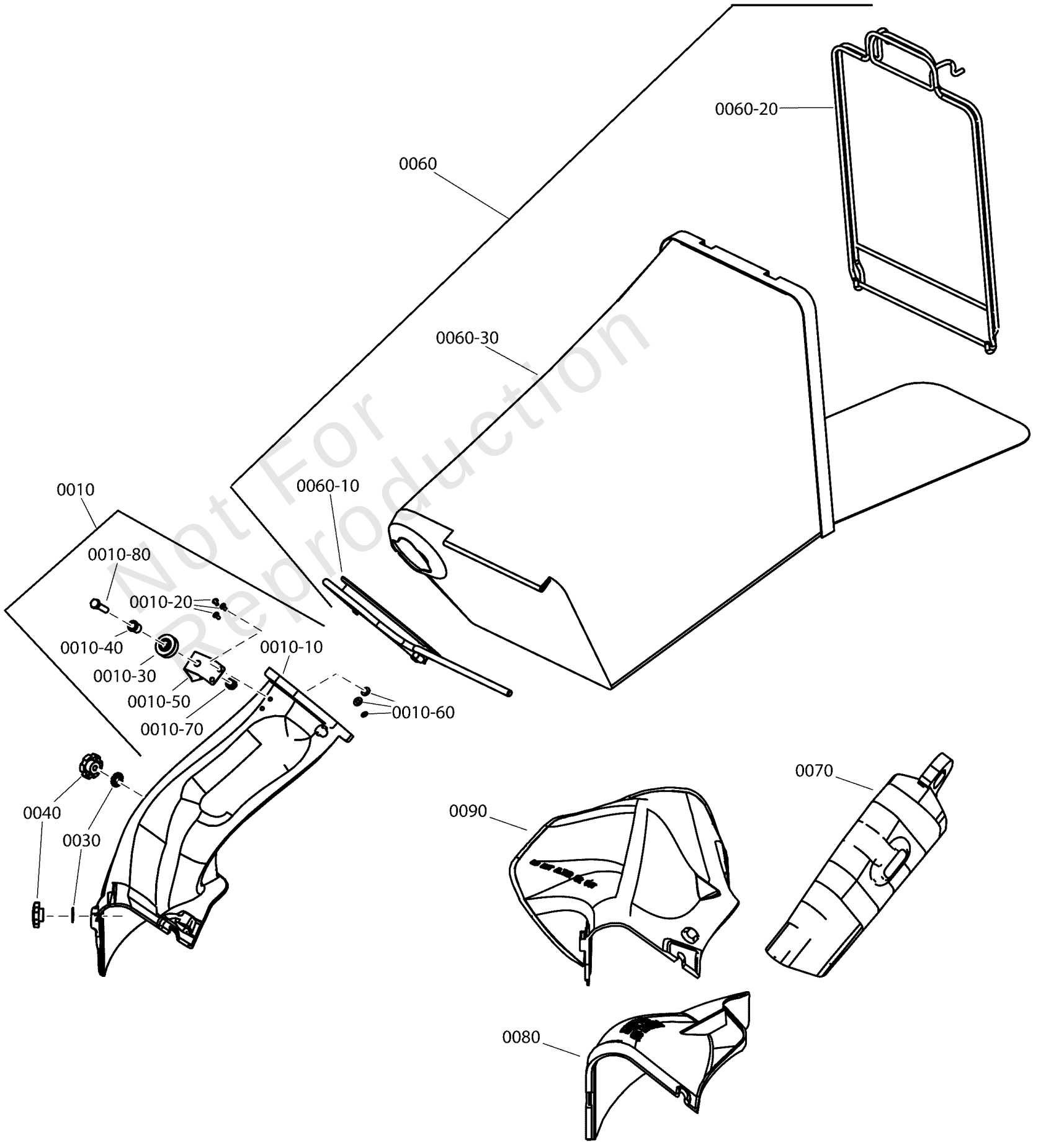

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Bag, Discharge & Mulch Group

REF NO	PART NO	QTY	DESCRIPTION
0010	7600117YP	1	BAG ADAPTER ASSY. KIT
0010-10	-----	1	USE 7600117, Bag Adapter
0010-20	704032	3	RIVET, 3/16X.344
0010-30	7024228SM	1	PULLEY, Nylon, .75 ID, 1.3 OD
0010-40	703973	1	BUSHING
0010-50	7047082AYP	1	BRACKET, Rope Pulley
0010-60	703942	3	WASHER, 5/32 Flat, ZC/CL
0010-70	703409	1	NUT, 5/16-18, GR5
0010-80	703570	1	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0030	703936	2	WASHER, .325IDX.850OD
0040	7101022YP	2	KNOB, Fluted (5/16-18 thread) on side chute
0060	7500153YP	1	ASSEMBLY, Grass Bag, Door, No Graphics, 12.5" W, 26.5" L
0060-10	7042489AYP	1	WELDMENT, Bag Connector
0060-20	7051906AYP	1	ASSEMBLY, Bag Wire, 12.25" Wide
0060-30	7100433YP	1	GRASS BAG, Door, No Graphics, 12.5" W, 26.5" L
0070	7016814YP	1	PLUG, Chute Adapter Mulching
0080	7029149YP	1	COVER, Mulching, 21" Deck
0090	7042965YP	1	CHUTE, 21" Side Discharge

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Decals

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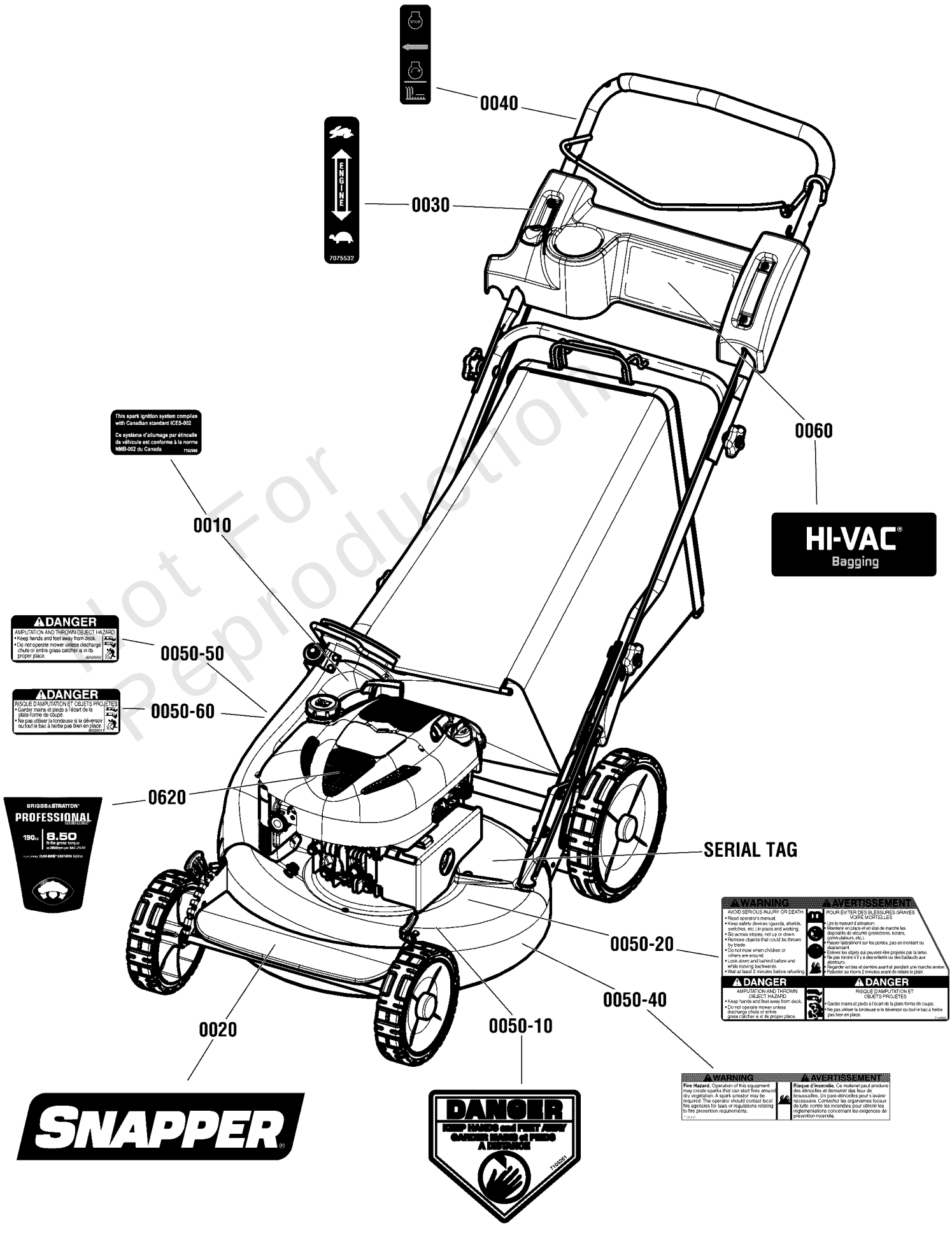

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Decals

REF NO	PART NO	QTY	DESCRIPTION
0010	7102996YP	1	DECAL, ICES, Canadian Spark Compliance
0020	7104148YP	1	DECAL, LOGO, REAR
0030	7075532YP	1	DECAL, Throttle Control, B&S
0040	7029782MA	1	DECAL, OPC Bail International Symbol
0050	7106353YP	1	DECAL SHEET, WARNINGS -(Not Shown)
0050-10	7105261YP	1	DECAL, CPSC, Cut Finger, French/English -(Included on Decal Sheet #7106353YP)
0050-20	-----	1	DECAL, Warning/Danger, ENG/FRENCH -(Included on Decal Sheet #7106353YP)
0050-40	-----	1	DECAL, Spark Arrestor, ENG/FRENCH -(Included on Decal Sheet #7106353YP)
0050-50	84002306	1	DECAL, Danger, English -(Included on Decal Sheet #7106353YP)
0050-60	84002307	1	DECAL, Danger, French -(Included on Decal Sheet #7106353YP)
0060	770111	1	DECAL, HI-VAC, Bagging
0620	709542	1	DECAL, Turtle, 8.5TP

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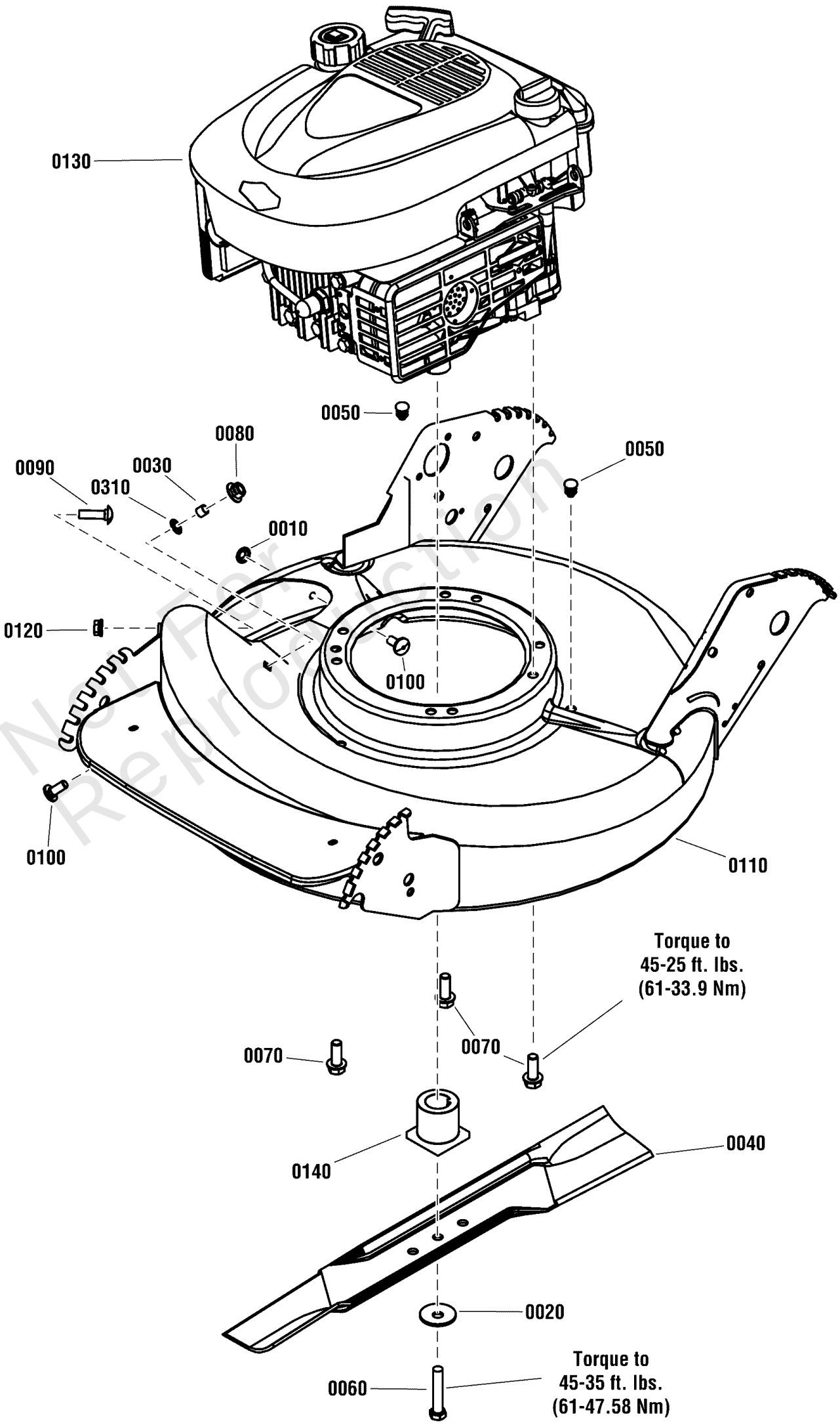

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Engine Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703297	1	RETAINER, GR5, 5/16
0020	703963	1	WASHER, CONE
0030	7024340SM	1	SPACER
0040	7026691BZYP	1	BLADE, 21" STD.LIFT
0050	7046780SM	2	PLUG, Hole, .44” OD
0060	703999	1	SCREW, 3/8-24 x 2" Hex Head Cap, GR 5
0070	704000	3	SCREW, Hex Washer Head, Taptite, 3/8-16 x 1
0080	704001	1	NUT, 5/16-18
0090	704002	1	BOLT,5/16-18X1.125
0100	703185	2	BOLT, Round Head, Short Square Neck
0110	7500549DYP	1	DECK KIT, HI-VAC
0120	703409	1	NUT, 5/16-18, GR5
0130	123P02-0059-F1	1	* ENGINE, B&S 850 Professional Series, 8.50 GT, Model 123P02-0059-F1
0140	7015626YP	1	HUB, Blade Drive, .25MM ID
0310	704015	1	WASHER, FLAT 5/16

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Footnotes:

NOTE: * Purchase engine & engine parts from engine service outlets.

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Handle Group

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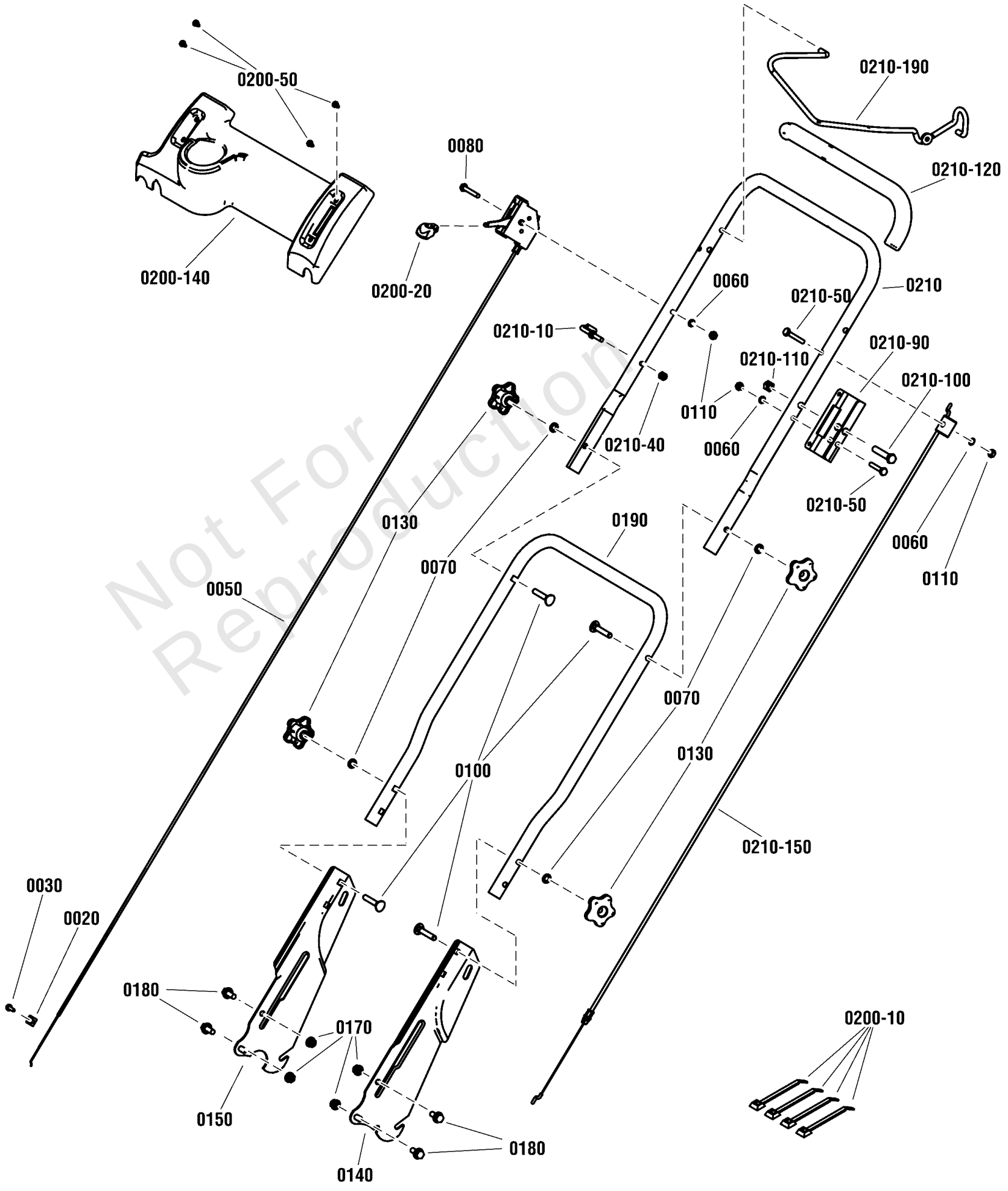

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Handle Group

REF NO	PART NO	QTY	DESCRIPTION
0020	690798	1	CLAMP, Casing
0030	704324	1	SCREW, #10-32 X .615, Hex Head Cap Slotted, Zinc/Clear
0050	84002242	1	CONTROL, Thtrottle, W14
0060	703462	3	WASHER, LOCK, 1/4
0070	703587	4	WASHER, 5/16
0080	703588	1	SCREW
0100	703059	4	BOLT, 5/16-18X2
0110	703127	3	NUT
0130	7105085YP	4	KNOB,HANDLE,5 PRONG
0140	7033985AYP	1	HANDLE, Lower, ADJ, LH
0150	7033986AYP	1	HANDLE, LOWER, RH
0170	703409	4	NUT, 5/16-18, GR5
0180	703354	4	SCREW, 5/16-18
0190	7106232AYP	1	HANDLE, Middle, Black
0200-10	7024641YP	5	WIRE TIE, 5.5" L
0200-20	7075308YP	1	KNOB, Throttle, Red
0200-50	703961	4	SCREW, 1/4-20 x .550 Pan Head Torx, Self-Tap
0200-140	7106280YP	1	PANEL, Control, Push, With Throttle Slot
0210	7106258AYP	1	HANDLE
0210-10	7028488MA	1	GUIDE, 1/4-20, Rope, CL/ZC
0210-40	15X145MA	1	NUT, Hex Nylock, 1/4-20
0210-50	703234	2	CAPSCREW, 1/4-20X1.5
0210-90	7074003YP	1	BRACKET, Shift, Black Zinc
0210-100	703589	1	CAPSCREW, 3/8-16X2
0210-110	703347	1	NUT, 3/8-16
0210-120	7023810YP	1	FOAM GRIP, 18.75”
0210-150	7106257YP	1	CABLE, OPC, 50.56” Long, Z Ends, Snap-in, for Over-the-Top Bail
0210-190	7106255AYP	1	BAIL, OPC, Control, Over The Top, Black

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Wheel Group

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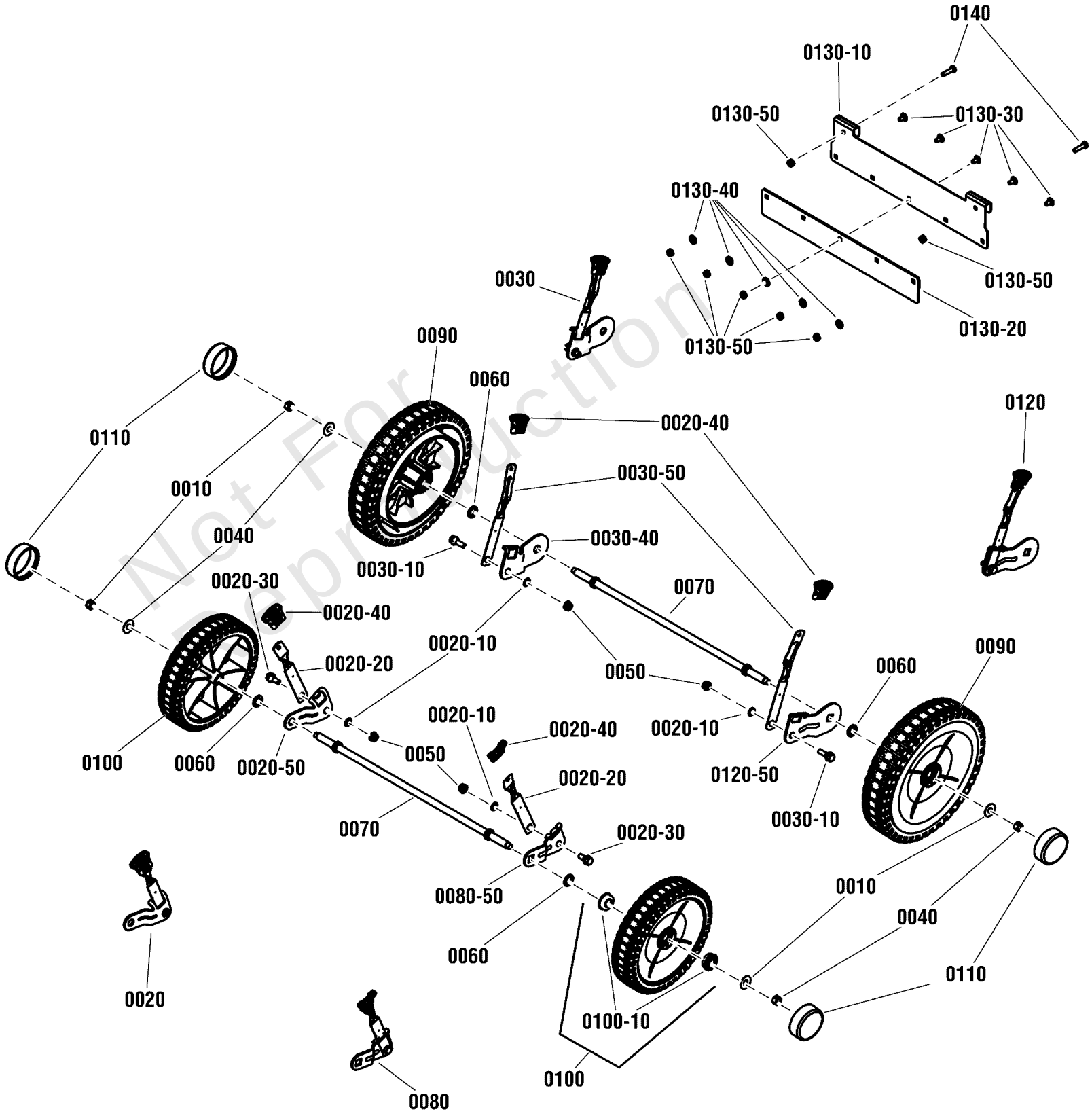

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Wheel Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703966	4	WASHER, FLAT, .377X1
0020	7600180YP	1	KIT, FRONT WHEEL ARM
0020-10	703297	4	RETAINER, GR5, 5/16
0020-20	7012325YP	2	LATCH, Height
0020-30	703839	2	BOLT, 5/16-18X.75
0020-40	7103793YP	4	GRIP, HT LATCH, BLACK
0020-50	7031017YP	1	WHEEL ARM, Front, Round Hole, RH, Clear
0030	7054228YP	1	ASSEMBLY, Wheel Arm, Right Rear (Round hole) (Push)
0030-10	703840	2	BOLT,SHLDR 5/16-18X1
0030-40	7033776YP	1	WHEEL ARM, Rear R.H. Push Models (round hole) Zinc/Clear
0030-50	7035717YP	2	LATCH, Height Adjusting, (long)
0040	703347	4	NUT, 3/8-16
0050	703409	4	NUT, 5/16-18, GR5
0060	703835	4	WASHER, .531IDX.875OD
0070	7100752YP	2	AXLE, Easy Line (20.44” L, 3/8-16 Threads)
0080	7600183YP	1	KIT, FRONT WHEEL ARM
0080-50	7011393YP	1	WHEEL ARM, L.H. Front (.512 Square Hole) CZ/CL
0090	7503281	2	ASSEMBLY, Wheel, 10 x 2 Push, BB, Snapper Tread Charcoal Gray
0100	7503282	2	ASSEMBLY, Wheel, 8 X 2 Push w/Bearings, Gray
0100-10	7101380YP	8	BALL BEARING, Flange, 1-1/8 O.D. (Not Shown)
0110	7106302YP	4	HUBCAP, Round, 1.7” OD, Gray
0120	7600175YP	1	KIT, Wheel Arm Assembly, Left Rear Long (Push)
0120-50	7102587YP	1	WHEEL ARM, Rear, LH, Clear Zinc
0130-10	709674	1	SHIELD
0130-20	709675	1	SHIELD, Rubber
0130-30	703978	5	BOLT,1/4-20X0.5
0130-40	703332	5	WASHER
0130-50	703251	7	NUT, 1/4-20
0140	703820	2	CAPSCREW, 1/4-20X1

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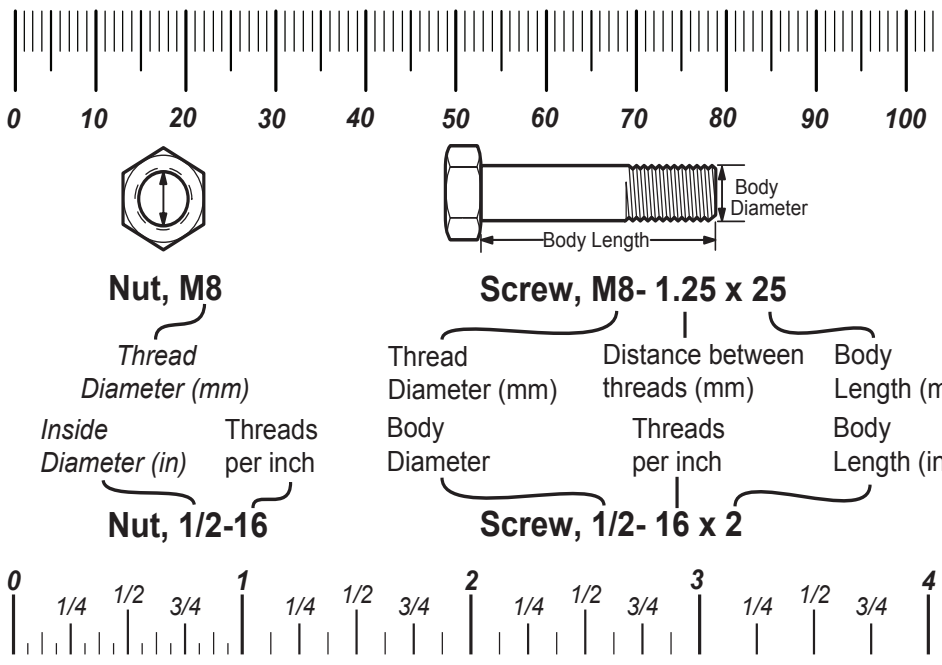
Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)

Property Class	5.6 Class 5.6		8.8 Class 8.8		10.9 Class 10.9		12.9 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

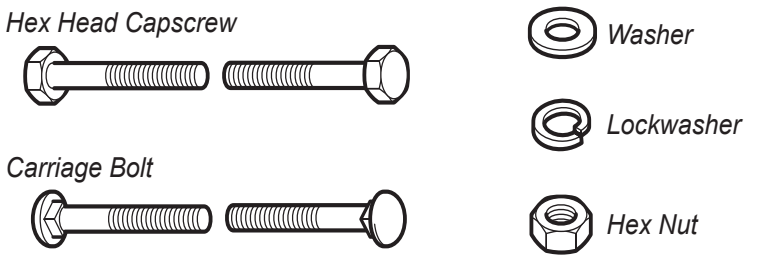
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks 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

1. 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.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. 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—22 mm

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