Parts Manual for

SNAPPER®

21" STEEL DECK EASY LINE EUROPEAN SWIVEL WHEEL WALK MOWER

Model No.	*Description*
7800730	*ERPV21675SW*
7800128	*ESPV211S*
7800448	*ESPV211S*
7800065	*ESPV21S*
7800252	*ESPV21S*

Briggs & Stratton Yard Power Products Group
535 Macon Road
McDonough, GA, 30253 U.S.A.
800-935-2967

Manual No. 7006208
Revision: D 10/19/2010

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14	TRANSMISSION
16	ENGINE AND BLADE
18	BAGGING COMPONENTS
20	DECALS

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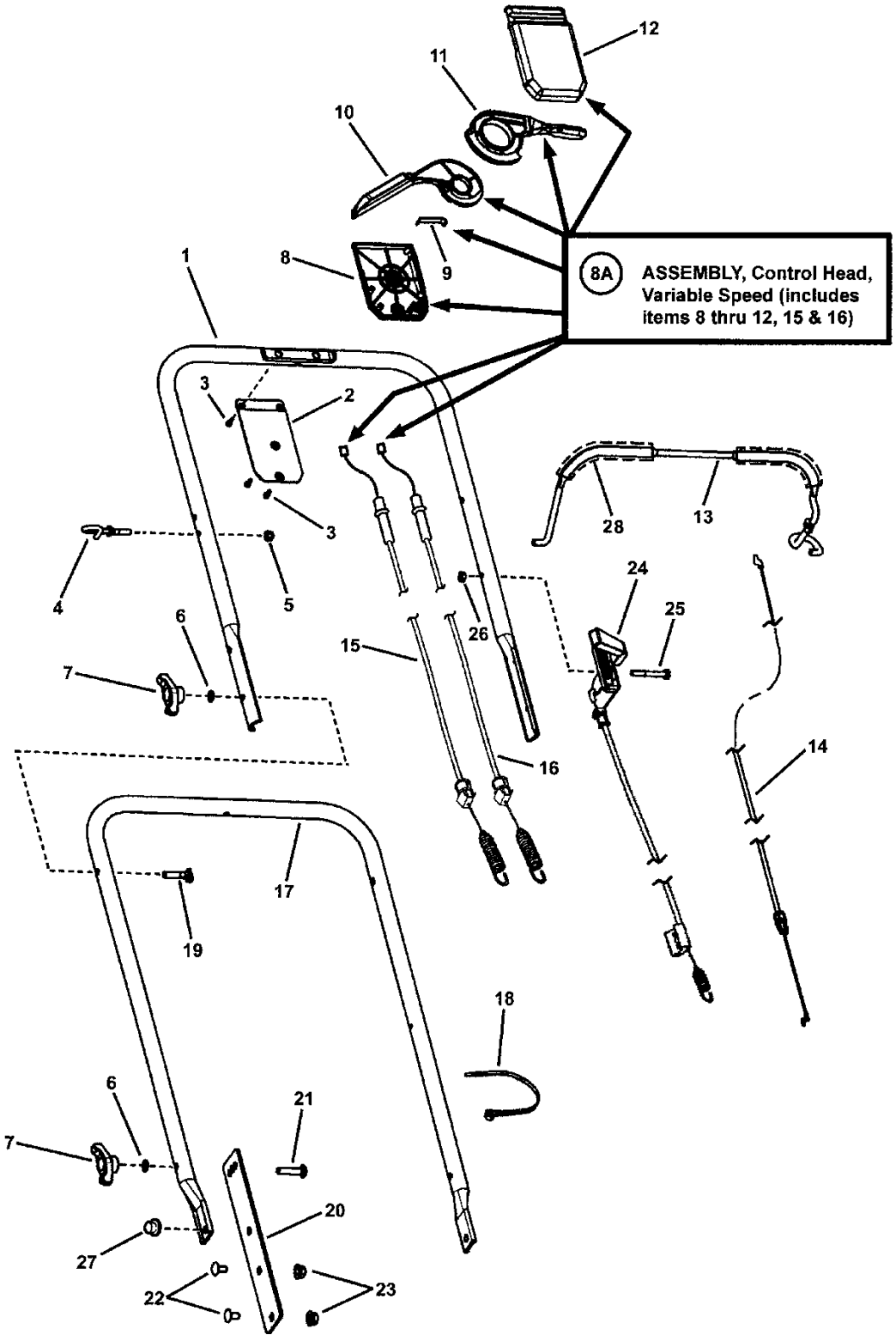
8A ASSEMBLY, Control Head, Variable Speed (includes items 8 thru 12, 15 & 16)
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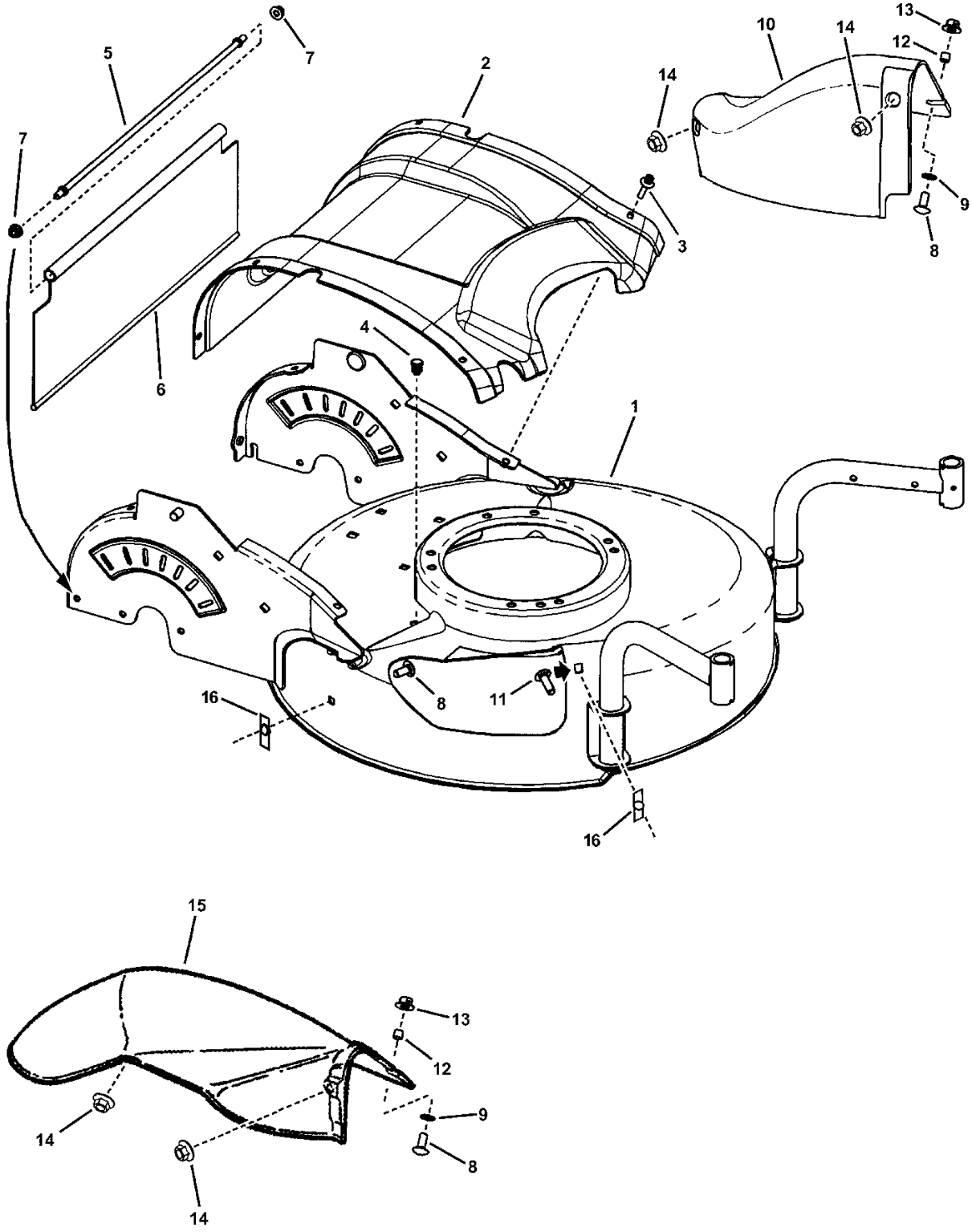
Item	Part No	Qty	Description
1	7078247	1	HANDLE, Upper (finish: flat black textured)
2	7300130	1	PLATE, Control Panel (finish: flat black textured)
3	7100225	4	SCREW, #8-16 Recessed Pan Head (Torxplus)
4	7028488	1	GUIDE, Rope (with 1/4-20 threads)
5	7076978	1	NUT, 1/4-20 Hex Nyloc
6	7090391	4	WASHER, 5/16 Internal Tooth Lock
7	7035744	4	KNOB, 5/16-18 Wing (Black)
7	720727	4	KNOB, 5/16-18 Wing (Black)
8A	7100069	1	ASSY, Control Head Variable Speed (Incl. 8, 9, 10, 11, 12, 15 & 16)
8	--	1	CASE HALF, Bottom, Black (not available individually)
9	--	1	SPRING STEEL (not available individually)
10	--	1	CLUTCH LEVER, Silver (not available individually)
11	--	1	ASSEMBLY, Speed Lever/Friction Material (not available individually; includes 7100412, Friction Strip)
12	--	1	CASE HALF, Top, Variable Speed- Black (not available individually)
13	7078248	1	BAIL, Brake (finish: flat black textured)
14	7100074	1	* CABLE, Zone Control
15	7100263	1	* CABLE, Clutch
16	7100264	1	* CABLE, Speed
17	7078246	1	HANDLE, Lower (finish: flat black textured)
18	7024649	2	WIRE TIE, 11 Inch Black Nylon
19	7091189	2	BOLT, 5/16-18 x 2” Curved Head Square Neck GR 2
20	7300103	2	BRACKET, Lower Handle (finish: flat black textured)
21	7091612	2	BOLT, 5/16-18 x 1-1/2” Round Head Square Neck, GR 5
22	7090799	7	BOLT, 5/16-18 x 5/8” Round Head Short Square Neck Carriage
23	7091601	4	NUT, 5/16-18 Hex Flange Lock
24	7072023	1	* CONTROL, Swivel Wheel Latch 56.5 (LH Outside)
25	7090505	1	SCREW, 1/4-20 x 2” Hex Head Cap, GR 5
26	7090372	3	NUT, 1/4-20 Hex Center Lock
27	7091135	2	PUSHNUT, 3/8”
28	7100632	2	FOAM GRIP, 7”

Not for Reproduction

Footnotes:

NOTE: * Snapper part numbers are stamped on cables.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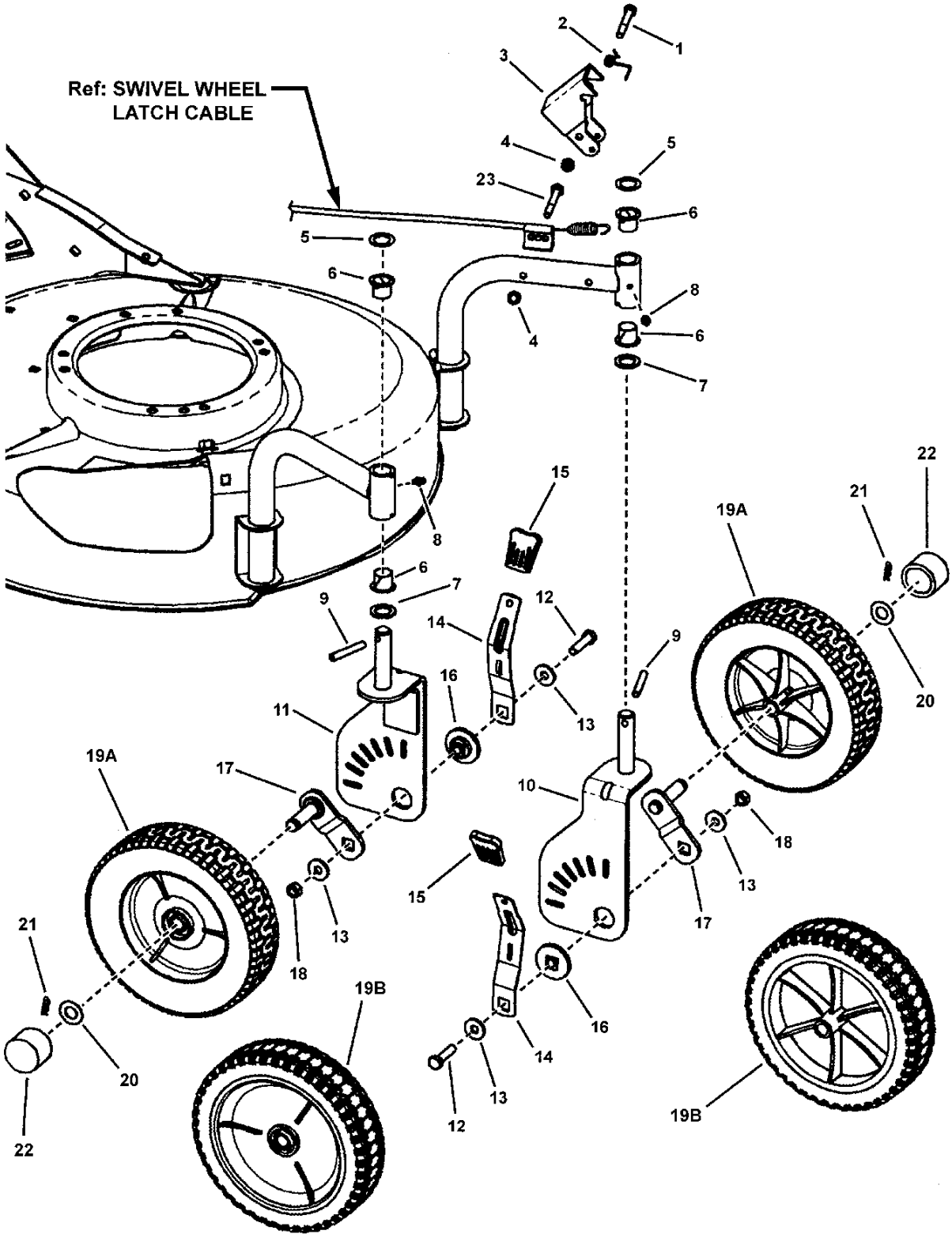
Item	Part No	Qty	Description
1	7400014	1	WELDMENT, 21” Deck Swivel Wheel
2	7100001	1	REAR COVER, Belt/Transmission
3	7900032	6	SCREW, 7mm x 1 x .550 AB Point (replaces 7100059 rivet)
4	7046780	2	PLUG, Hole (Polyethylene)
5	7078225	1	ROD, Trail Shield (1/4-20 thread- both ends)
6	7078272	1	SHIELD, Trail
7	7091584	2	NUT, 1/4-20 Hex Flange Lock
8	7090001	2	BOLT, 5/16-18 x 3/4” Short Square Neck Carriage, GR 5
9	7011791	1	BOLT RETAINER, 5/16- Black
10	7029149	1	COVER, 21 Deck Recycling
11	7091169	1	BOLT, 5/16-18 x 1-1/8” Short Square Neck Carriage, GR 5
12	7024340	1	SPACER, .316 x .375 x .300/.310
13	7090951	1	NUT, 5/16-18 Large Flange Hex Center Lock
14	7091070	2	NUT, 5/16-18 Hex Flange Lock
15	7042965	1	CHUTE, 21 Side Discharge
16	7900028	1	NUT, 5/16-18 Speed (Shakeproof# FN-614020-1-50)

Not for Reproduction

Footnotes:


Ref: SWIVEL WHEEL LATCH CABLE
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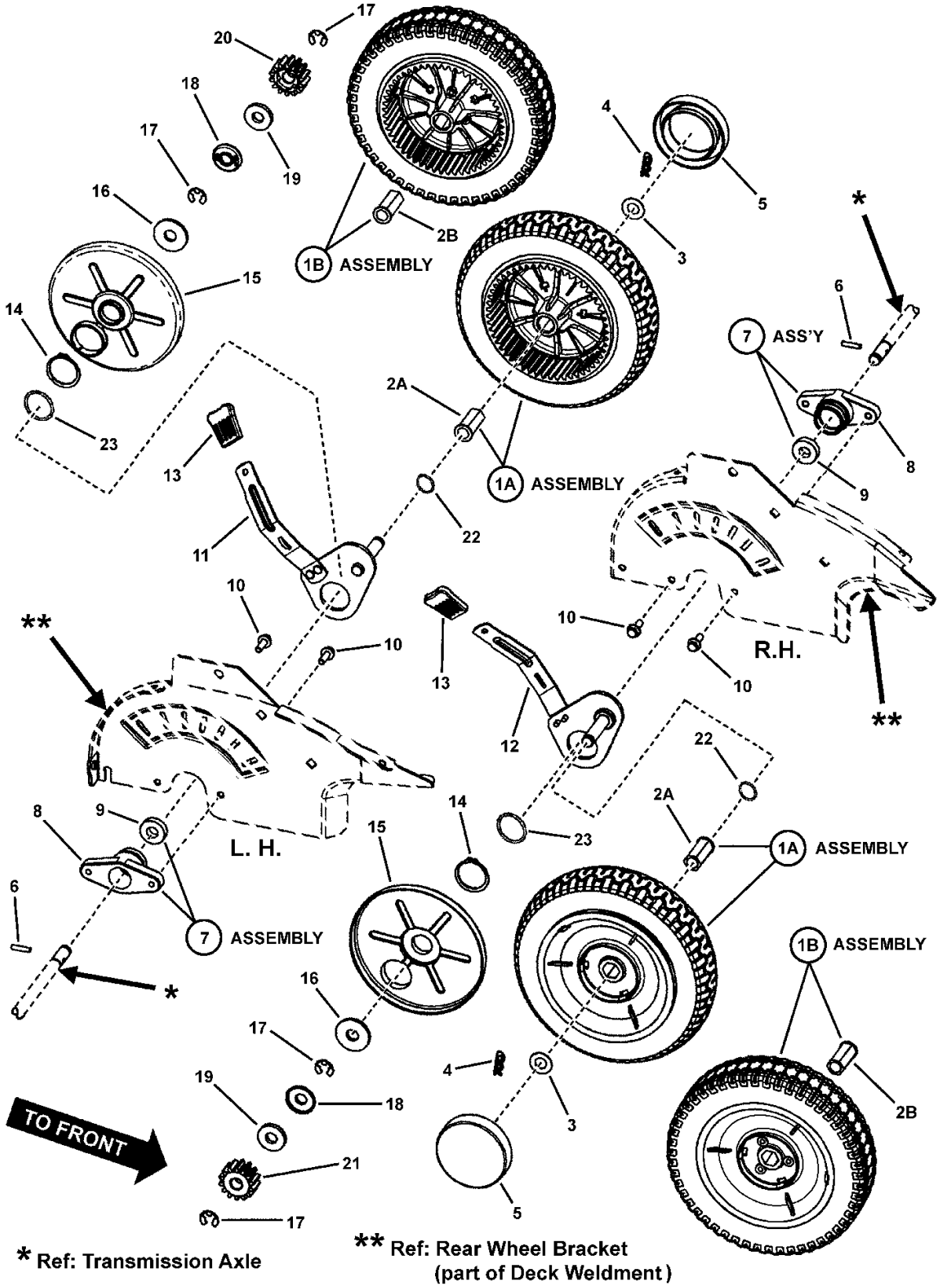
Item	Part No	Qty	Description
1	7091256	1	SCREW, 1/4-20 x 2-1/4” Hex Head Cap, GR 5
2	7046668	1	SPRING, Torsion
3	7300171	1	BRACKET Swivel Wheel Lock, Red
4	7090372	2	NUT, 1/4-20 Hex Center Lock
5	7092021	2	WASHER, .64 x .99 x .025 Flat
6	7046628	4	BUSHING, 5/8” Nyliner
7	7092022	2	WASHER, .64 x .99 x .075 Flat
8	7013864	2	LUBE FITTING, 3/16”
9	7014106	2	ROLL PIN, 1/4 x 1-3/4”
10	7400068	1	WELDMENT, Swivel Wheel Brkt. LH (Red)
11	7400070	1	WELDMENT, Swivel Wheel Brkt. RH (Red)
12	7091527	2	SCREW, 5/16-18 X 1-1/4” Hex Head Cap, GR 5
13	7900022	4	WASHER, .875 x .327 x .090 Flat
14	7100251	2	LEVER, Height Adjust, Swivel Wheel
15	7100633	2	GRIP, Height Latch (replaces 7027702 (voided))
16	7100249	2	SPACER, Swivel Wheel Pivot
17	7500101	2	ASSEMBLY, Axle Arm/Stud
18	7091575	2	NUT, 5/16-18 Hex Center Lock
19A	7100250	2	WHEEL, Front 8 x 2”, LS Tread, 1-3/8” Hub Length
19B	7101127	2	WHEEL, Front 8 x 2”, Dbl Bar II Tread, 1-3/8” Hub
20	7100585	2	WASHER, Shim, .875 x .531 x .060
21	7091193	2	COTTER, Hairpin
22	7100088	2	HUB CAP, 1-3/8” Diameter (black)
23	7090505	1	SCREW, 1/4-20 x 2” Hex Head Cap, GR 5

Not for Reproduction

Footnotes: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1B ASSEMBLY
2B
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7 ASS'Y
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2A
1A ASSEMBLY
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R.H.
L. H.
12
7 ASSEMBLY
TO FRONT
21
* Ref: Transmission Axle
** Ref: Rear Wheel Bracket
(part of Deck Weldment)

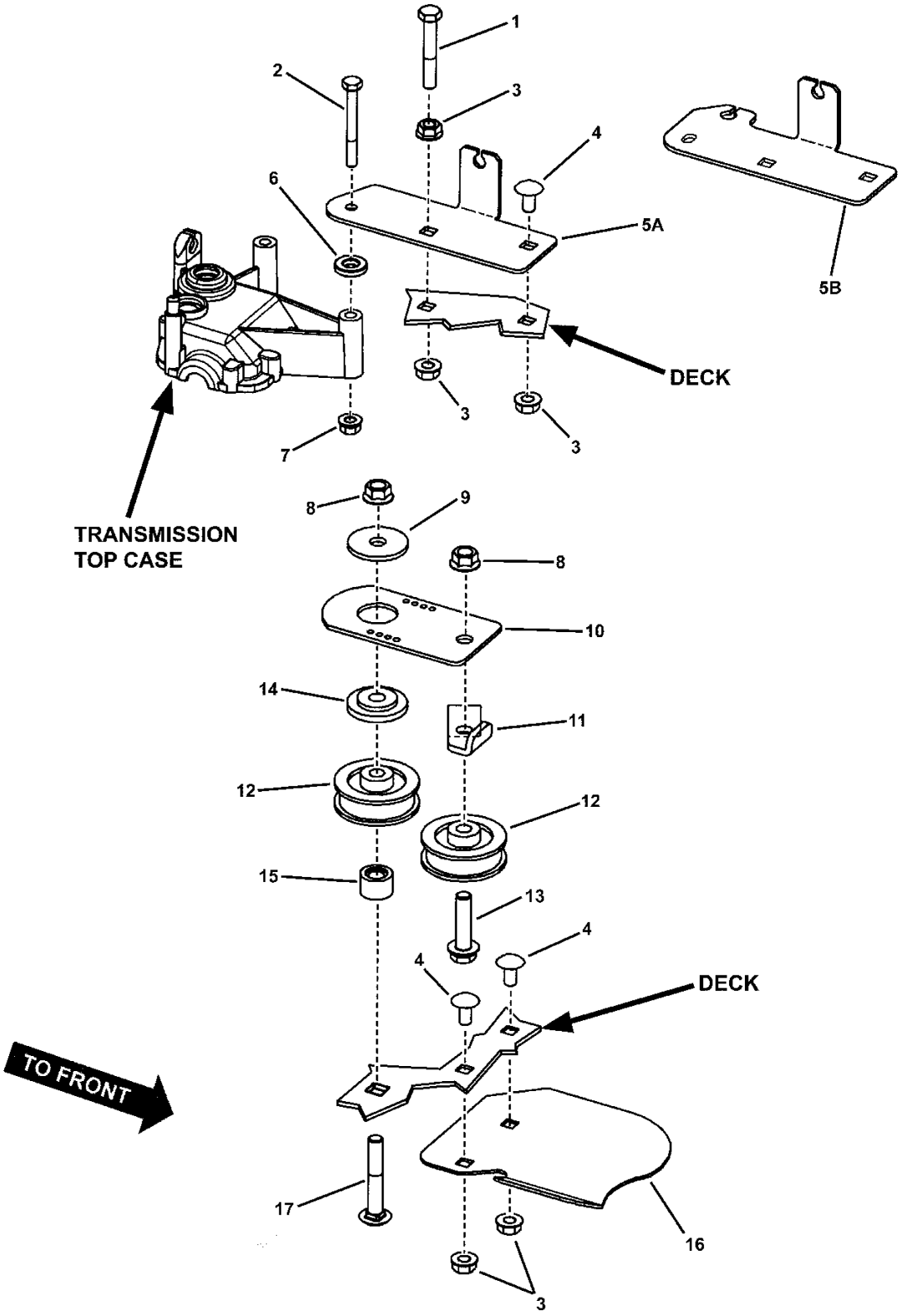
Item	Part No	Qty	Description
1A	7100184	2	* ASSEMBLY, 9” x 2” Gear Wheel, LS Tread & P. M. Bushing (gray rim)
1B	7101104	2	** ASSEMBLY, 9 x 2” Gear Wheel, Dbl Bar II Tread & Nylon Bushing
2A	7073618	1	BUSHING, Wheel (powdered metal) (part of item 1A)
2B	7024541	1	BUSHING, Wheel (nylon) (part of item 1B)
3	7091192	2	WASHER, 1/2” Flat
4	7091193	2	COTTER, Hairpin
5	7100114	2	HUB CAP, 3-1/4” Diameter, Black
6	7024749	2	PAWL, 3/16” O.D.
7	7500041	2	ASSEMBLY, Axle Bearing (incl. items 8 & 9)
8	7078214	1	HOUSING, Axle Bearing
9	7078243	1	BALL BEARING, Axle (.50 I.D. x 1.125 O.D. x .3125 thick)
10	7090699	4	BOLT, 1/4-20 x 3/4” Hex Flange Lock
11	7078235	1	ASSEMBLY, Axle Arm, Left Rear
12	7078236	1	ASSEMBLY, Axle Arm, Right Rear
13	7100633	2	GRIP, Height Latch (replaces 7027702 (voided))
14	7900010	2	SNAP RING, 1-3/8” (Truarc 5100-137)
15	7078269	2	SHIELD, Dust
16	7091194	2	WASHER, .531 x 1.50 x .134 (or 7100644 (WASHER, .531 x 1.25 x .063))
17	7014341	4	RETAINING RING (Waldes 5133-50)
18	7026478	2	RETAINER, Pinion Seal
19	7026479	2	SEAL, Pinion (Felt)
20	7024550	1	PINION, LH Drive
21	7024549	1	PINION, RH Drive
22	7100627	2	O-RING, Buna N, 018
23	7100626	2	O-RING, Buna N, 124

Not for Reproduction

Footnotes:

NOTE: * 7100184 includes Tire & Rim ass'y. (7100014) & Bushing (7073618).
NOTE: ** 7101104 includes Tire & Rim ass'y. (7101126) & Bushing (7024541).

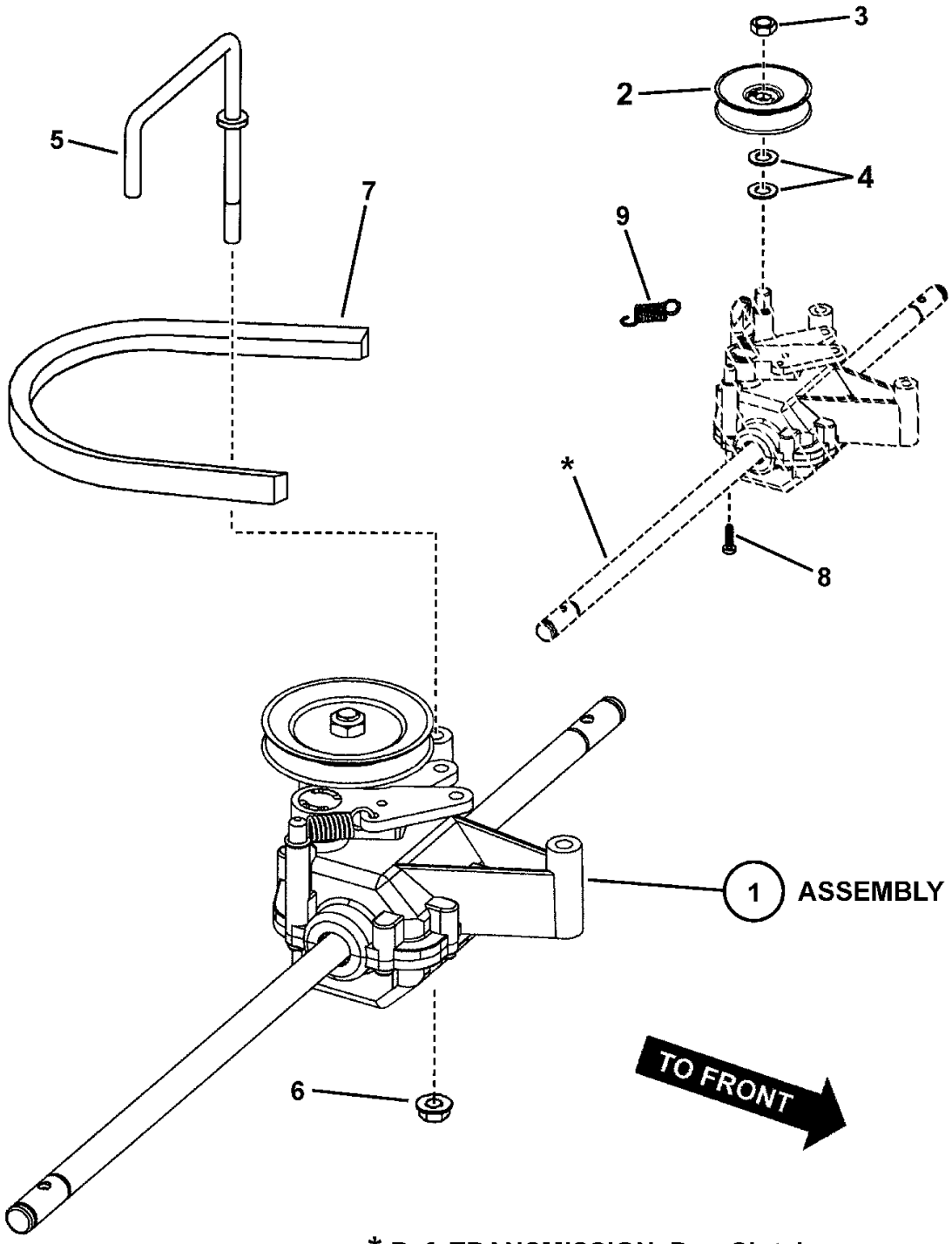
REAR DECK BRACKETS & IDLER ARM



Item	Part No	Qty	Description
1	7027174	1	SCREW, 5/16-18 x 2” Hex Head Cap, GR 5
2	7091256	1	SCREW, 1/4-20 x 2-1/4” Hex Head Cap, GR 5
3	7091601	3	NUT, 5/16-18 Hex Flange Lock
4	7090799	3	BOLT, 5/16-18 x 5/8” Round Head Short Square Neck Carriage
5A	7300047	1	BRACKET, Transmission Mounting
5B	7300494	1	BRACKET, Transmission Mounting
6	7100122	1	SPACER, 3/8 x 13/16 x 5/32”
7	7091545	1	NUT, 1/4-20 Hex Top Lock Flange
8	7091619	2	NUT, 3/8-16 Hex Flange Lock
9	7091331	1	WASHER, 13/32 x 1-1/2 x 1/8” Flat
10	7300020	1	IDLER ARM, Belt Drive
11	7300196	1	BELT GUIDE, Idler
12	7100856	2	PULLEY, Flat Idler, Plastic (replaces 7078245)
13	7090614	1	BOLT, 3/8-16 x 1-1/2” Hex Flange Lock, GR 5
14	7100062	1	SPACER, Pivot, Belt Idler
15	7100063	1	SPACER, Idler
16	7300013	1	SHIELD, Debris
17	7900009	1	BOLT, 3/8-16 x 2-1/4” Short Square Neck Carriage, GR 5

Not for Reproduction

Footnotes:



* Ref: TRANSMISSION, Dog Clutch
(not a parts sales item)

Item	Part No	Qty	Description
1	7500103	1	TRANSMISSION, LC Walk, Variable Speed (includes pulley)
--	--	1	TRANSMISSION, Dog Clutch (not a part sales item)
2	7100240	1	PULLEY, Transmission
3	1960251	1	NUT, 3/8-16 Hex Center Lock Jam
4	7012316	2	WASHER, .390 I.D.
5	7100395	1	BELT GUIDE, Variable Speed (1/4-20 threads)
6	7091545	1	NUT, 1/4-20 Hex Top Lock Flange
7	7100058	1	BELT, 3L, Traction Drive (38.125 Nominal O.D.)
8	7900032	8	SCREW, 7mm x 1 x .550 AB Point
9	7100966	1	SPRING, Return, Clutch

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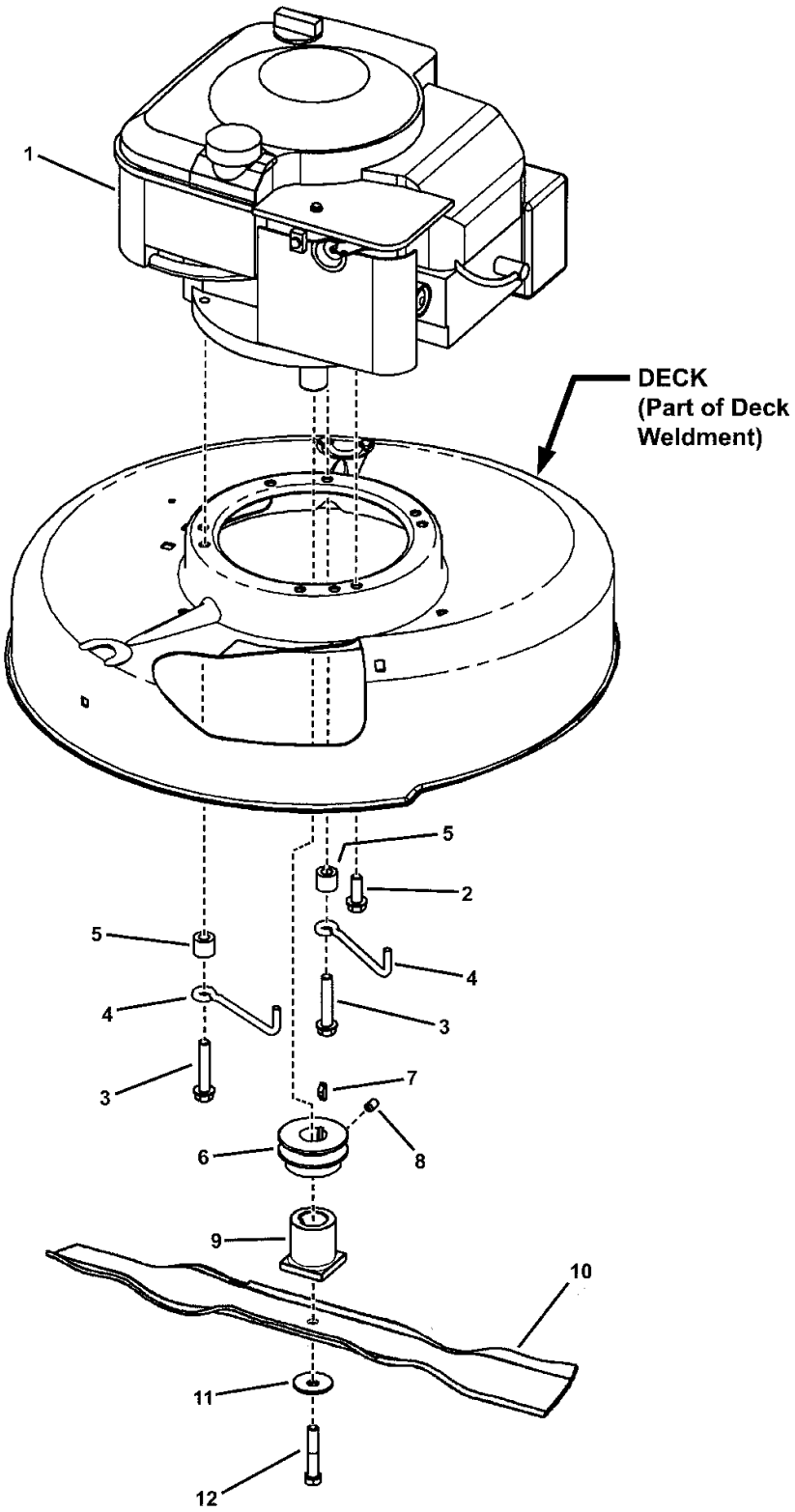
Footnotes:

NOTE: * Part number is printed on back edge of belt.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DECK
(Part of Deck
Weldment)
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Item	Part No	Qty	Description
1	123K02-0142-E1	1	* ENGINE, B&S 6.5 HP Quantum Euro, Mod. 123K02-0142-E1
1	12H802-1843-B1	1	* ENGINE, B&S 60 Series Quantum, Euro, Mod. 12H802-1843-B1
1	12H802-1782-B1	1	* ENGINE, B&S 60 Series Quantum, Euro, Mod. 12H802-1782-B1
1	124T02-0176-B1	1	* ENGINE, B&S 650 Series XRM, Euro, 124T02-0176-B1
2	7090324	1	SCREW, 3/8-16 x 1” Hex Washer Self-Tap
3	7091088	2	SCREW, 3/8-16 x 2” Hex Washer Self-Tap
4	7100022	2	GUIDE, Belt
5	7200010	2	SPACER, Belt Guide
6	7100437	1	PULLEY, Engine
7	7091214	1	KEY, Hi-Pro (#HP-506)
8	7092086	1	SET SCREW, 5/16-18 x 1/2” Hex Recess (Type A Point (Cup Point))
9	7015626	1	HUB, Blade Drive, 25M I.D.
10	7100242	1	BLADE, Wave, 21” Steel Deck
10	7026407	1	BLADE, Ninja, 21" (Model ERPV21675SW only)
11	7012063	1	WASHER, Cone
12	7090167	1	SCREW, 3/8-24 x 2” Hex Head Cap, GR 5

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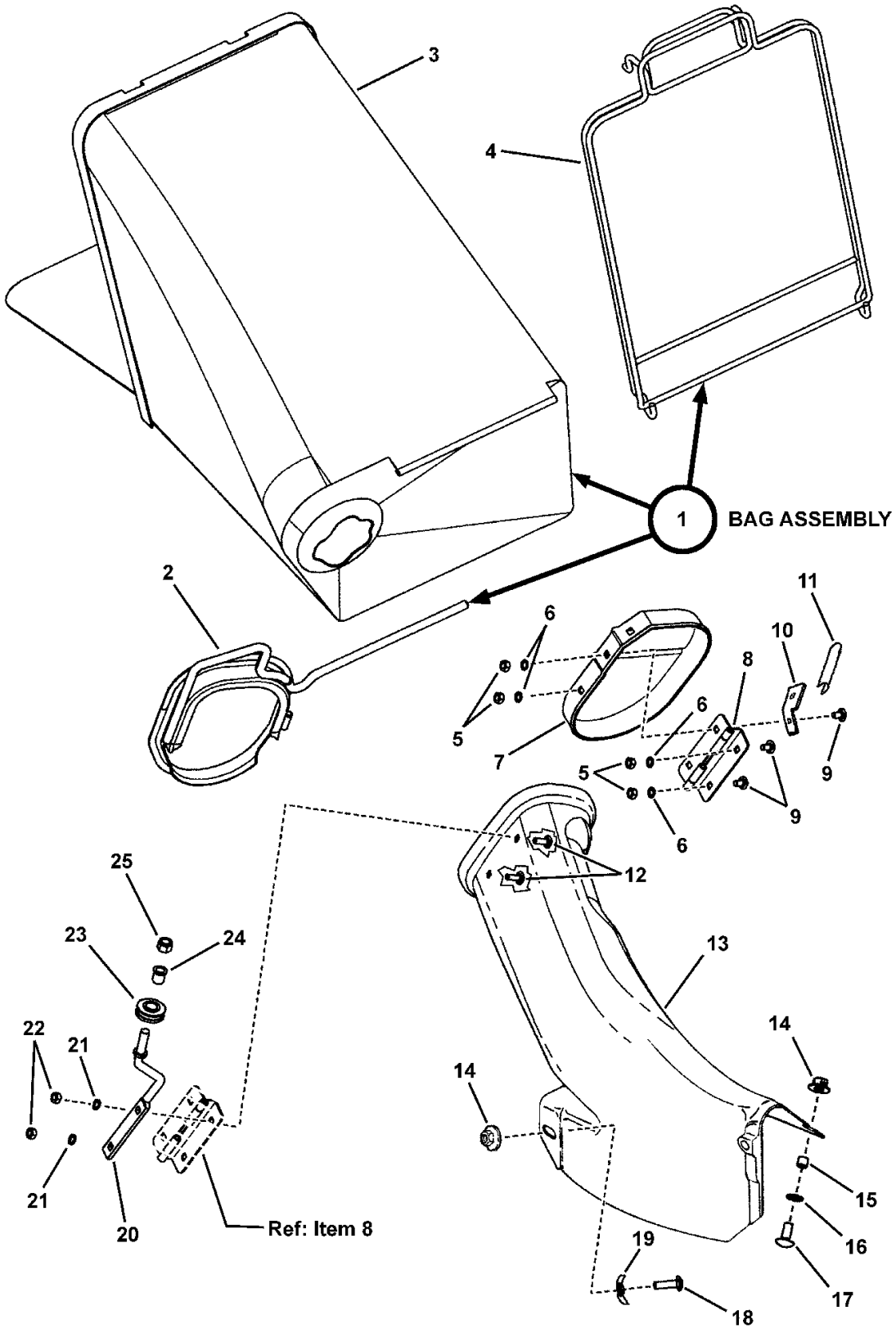
Footnotes:

NOTE: * Purchase engine parts from engine manufacturer dealer.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BAG ASSEMBLY
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Ref: Item 8
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Item	Part No	Qty	Description
1	7058571	1	BAG ASSEMBLY (Door) (includes items 2 thru 4)
2	7042489	1	CONNECTOR, Bag (weldment)
3	7075765	1	GRASS BAG (Door w/silver letters)
4	7051906	1	ASSEMBLY, Bag Wire (12") 21S
5	7091100	4	NUT, 1/4-20 Hex
6	7091023	4	WASHER, 1/4" Internal Tooth Lock
7	7019287	1	COVER, Bag Adapter
8	7023000	1	HINGE, Chute Cover
9	7090803	5	BOLT, 1/4-20 x 5/8" Flat Head Square Neck, GR 5 (or 7091064 (1/4-20 x 1/2" Square Neck Carriage Bolt, Grade 5))
10	7032661	1	STOP, Cover
11	7023042	1	TRIM, Moulding
12	7091530	2	BOLT, 1/4-20 x 3/4" Short Square Neck Carriage, GR 5
13	7016107	1	ADAPTER, Bag 21
14	7090951	2	NUT, 5/16-18 Large Flange Hex Center Lock
15	7024340	1	SPACER, .316 x .375 x .300/.310
16	7011791	3	BOLT RETAINER, 5/16- Black
17	7090001	1	BOLT, 5/16-18 x 3/4" Short Square Neck Carriage, GR 5
18	7091833	1	SCREW, 5/16-18 x 5/8" Cross Recess Pan Head
19	7900028	1	NUT, 5/16-18 Speed (Shakeproof# FN-614020-1-50))
20	7100582	1	ROD, Rope Pulley (3/8-16 thread)
21	1916964	2	LOCKWASHER, 1/4" Spring
22	7090977	2	NUT, 1/4-20 Hex Jam, GR 5 or B
23	7024228	1	PULLEY, Nylon
24	7012306	1	BUSHING, Flange, .381 x .625 x .62
25	7091299	1	NUT, 3/8-16 Hex Nyloc

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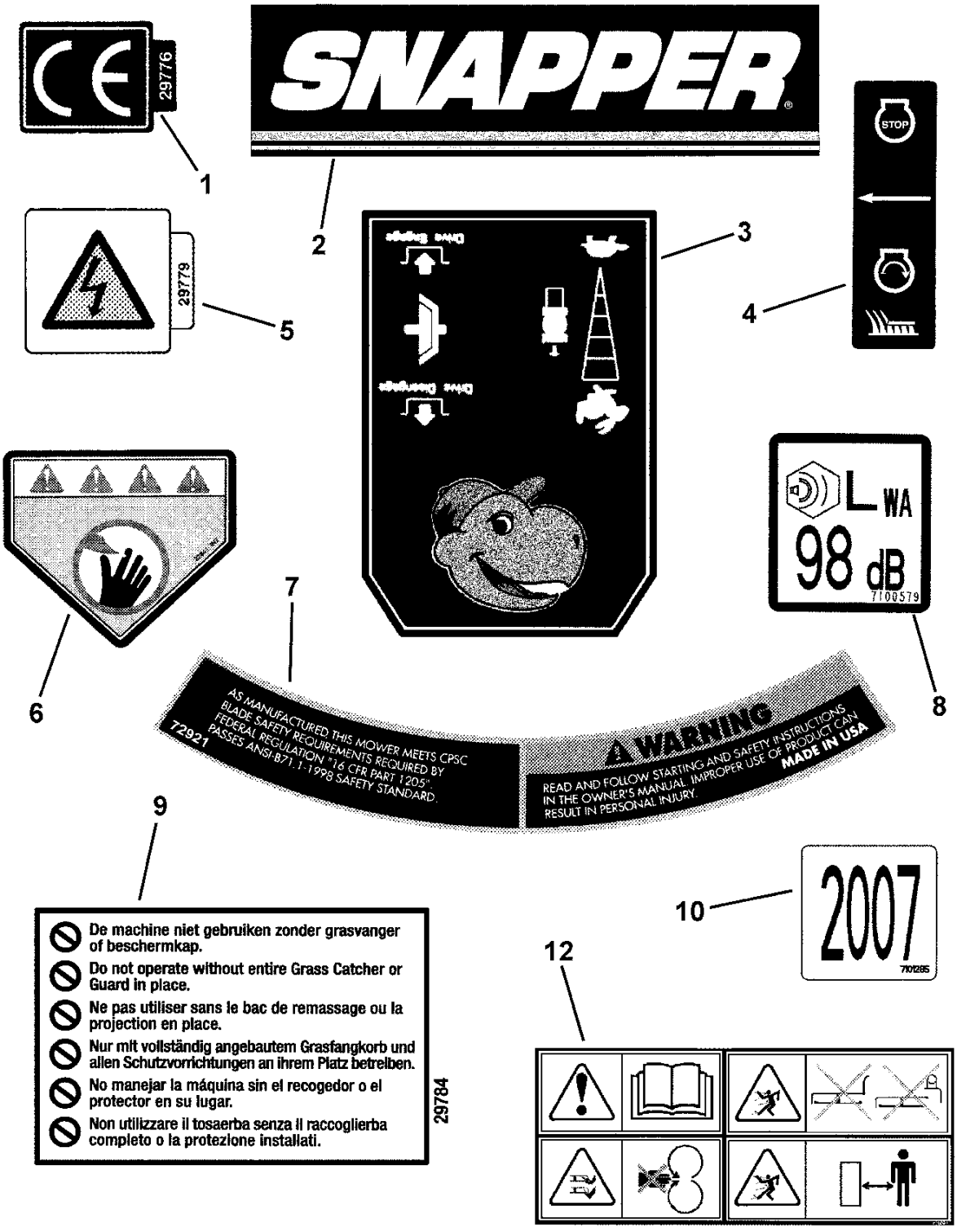
Footnotes: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SNAPPER
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AS MANUFACTURED THIS MOWER MEETS CPSC BLADE SAFETY REQUIREMENTS REQUIRED BY FEDERAL REGULATION "16 CFR PART 1205". PASSES ANSI-B71.1-1998 SAFETY STANDARD.
72921
WARNING
READ AND FOLLOW STARTING AND SAFETY INSTRUCTIONS IN THE OWNER'S MANUAL. IMPROPER USE OF PRODUCT CAN RESULT IN PERSONAL INJURY.
MADE IN USA
9
De machine niet gebruiken zonder grasvanger of beschermkap.
Do not operate without entire Grass Catcher or Guard in place.
Ne pas utiliser sans le bac de remassage ou la projection en place.
Nur mit vollständig angebautem Grasfangkorb und allen Schutzvorrichtungen an ihrem Platz betreiben.
No manejar la máquina sin el recogedor o el protector en su lugar.
Non utilizzare il tosaerba senza il raccoglierba completo o la protezione installati.
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2007
701285
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Item	Part No	Qty	Description
1	7029776	1	DECAL,Euro Community (CE)
2	1731955	1	DECAL, SNAPPER Logo
3	7100342	1	DECAL, Control Head, Variable Speed
4	7029782	1	DECAL, OPC Bail International Symbol
5	7029779	1	DECAL, Spart Plug International Symbol
6	7022841	1	DECAL, Warning (Euro)
7	7072921	1	DECAL, Warning (Deck)
8	7100579	1	DECAL, Noise, 98 DB
9	7029784	1	DECAL, Deck/Chute International Warning
10	7011279	1	DECAL, 2005 Year of Manufacture (not shown)
10	7100611	1	DECAL, 2006 Year of Manufacture (not shown)
10	7101285	1	DECAL, 2007 Year of Manufacture
11	-----	1	DECAL, Patent Numbers (not shown; not a service part)
12	7101084	1	DECAL, Warning, Euro, Multi-Panel

Not for Reproduction

Footnotes:

Not for
Reproduction

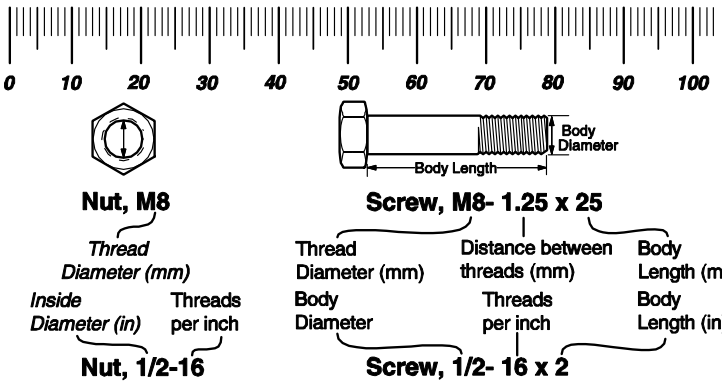
Hardware Identification & Torque Specifications

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, (1.25 thread diameter).* The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart

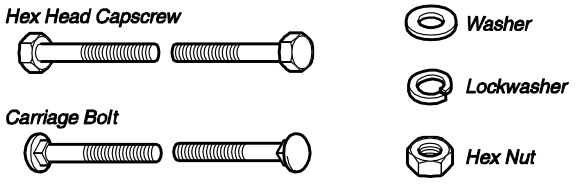
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

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

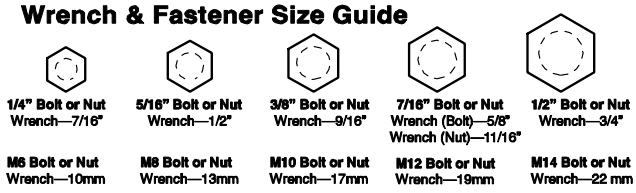
NOTES

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 grade5 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



Parts Manual for

SNAPPER®

21" STEEL DECK EASY LINE EUROPEAN SWIVEL WHEEL WALK MOWER

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