



# Parts Manual

Mfg. No: 1697116-00  
622, B&S 5.5 Gross TP 22" Single Stage  
Snowthrower (2019)





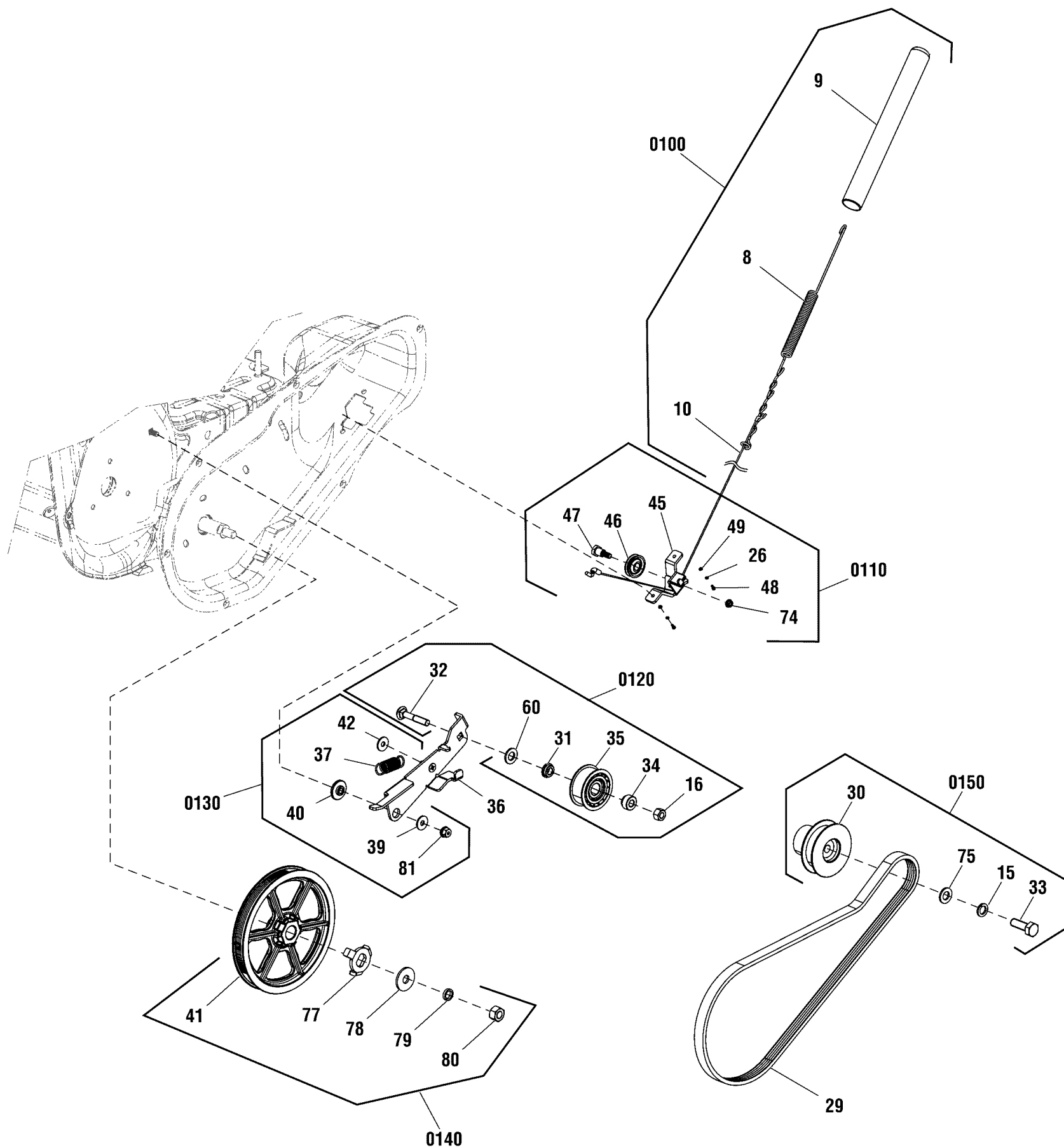
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# Auger Drive Group

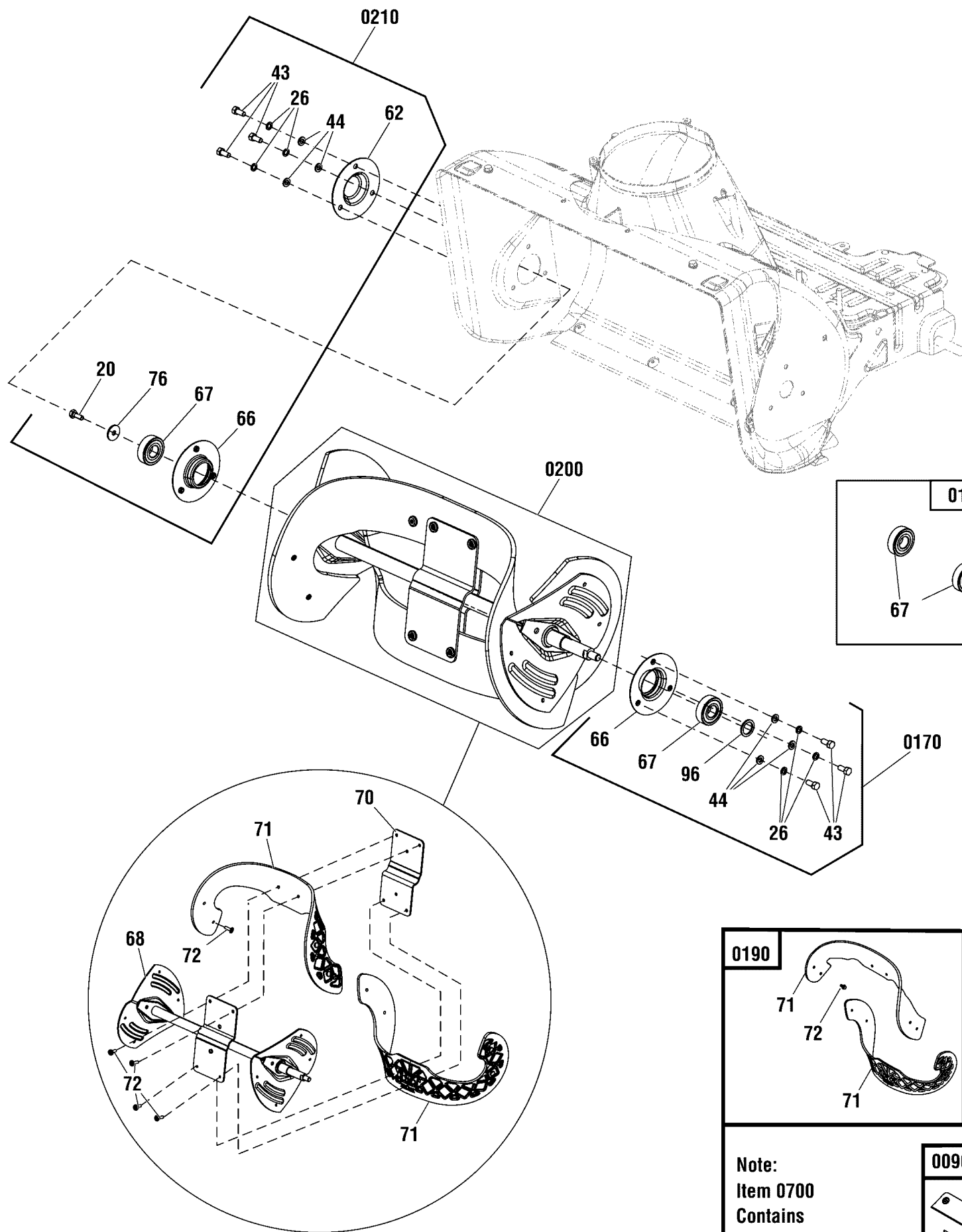
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1697116-00



## Auger Drive Group

REF NO	PART NO	QTY	DESCRIPTION
29	709868	1	BELT, Drive
36	709927	1	PLATE, Tension
0100	709870	1	KIT, AUGER CABLE -(Incl. Ref. Nos. 8, 9, 10)
8	-----	1	SPRING, Cable
9	-----	1	SLEEVE, Rubber
10	-----	1	CABLE, Auger
0110	709871	1	KIT, CABLE BASE, AUGER DRIVE -(Incl. Ref. Nos. 26, 45, 46, 47, 48, 49, 74)
26	-----	2	WASHER, M6, Split Lock, MC
45	-----	1	BRACKET, Cable Guide
46	-----	1	PULLEY, Cable
47	-----	1	SCREW, M6 X 12, Hex Head Shoulder
48	7091835	2	SCREW, M6 1.0X12MM, Hex Head, CZ
49	-----	2	WASHER, 6x12x.7, Flat
74	-----	1	NUT, M6, Flange Head
0120	709872	1	KIT, IDLER PULLEY, TENSION PLATE -(Incl. Ref. Nos. 16, 31, 32, 34, 35, 60)
16	-----	1	NUT, M8, Lock
31	-----	1	Spacer, 8.5 ID, 18 OD, 6 Thick, Shoulder
32	-----	1	BOLT, M8x40, Carriage
34	-----	1	SPACER, Idler Pulley
35	-----	1	PULLEY, 8 ID, 53 OD, 22 Wide, Idler
60	-----	1	WASHER, 10x20x1.8, Flat
0130	709874	1	KIT, HARDWARE, IDLER BRACKET -(Incl. Ref. Nos. 37, 39, 40, 42, 81)
37	709869	1	SPRING, Tension
39	-----	1	WASHER, 6 X 18 X 1.5, Flat
40	-----	1	SPACER, Idler Arm
42	-----	1	WASHER, 8x22x2, Flat
81	-----	1	NUT, M6, Flange Head, Lock
0140	709875	1	KIT, AUGER PULLEY -(Incl. Ref. Nos. 41, 77, 78, 79, 80)
41	-----	1	PULLEY, Driven
77	-----	1	CLAW, Coupling
78	-----	1	WASHER, 10x25x2, Flat
79	-----	1	WASHER, M10, Split Lock
80	-----	1	NUT, Lock, M10
0150	84003671	1	KIT, Engine Pulley -(Incl. Ref. Nos. 15, 30, 33, 75)
15	-----	1	WASHER, M10, Split Lock
30	80079550	1	PULLEY, Driver
33	720016	1	SCREW, 3/8-24 x 1, Hex Head
75	-----	1	WASHER, 10x28x3, Flat



<p><b>0190</b></p>	<p><b>0180</b></p>
<p><b>Note:</b> Item 0700 Contains Item 0200 and Item 0600</p>	<p><b>0090</b> Ref. Frame Group</p> <p>Ref. Frame Group</p>

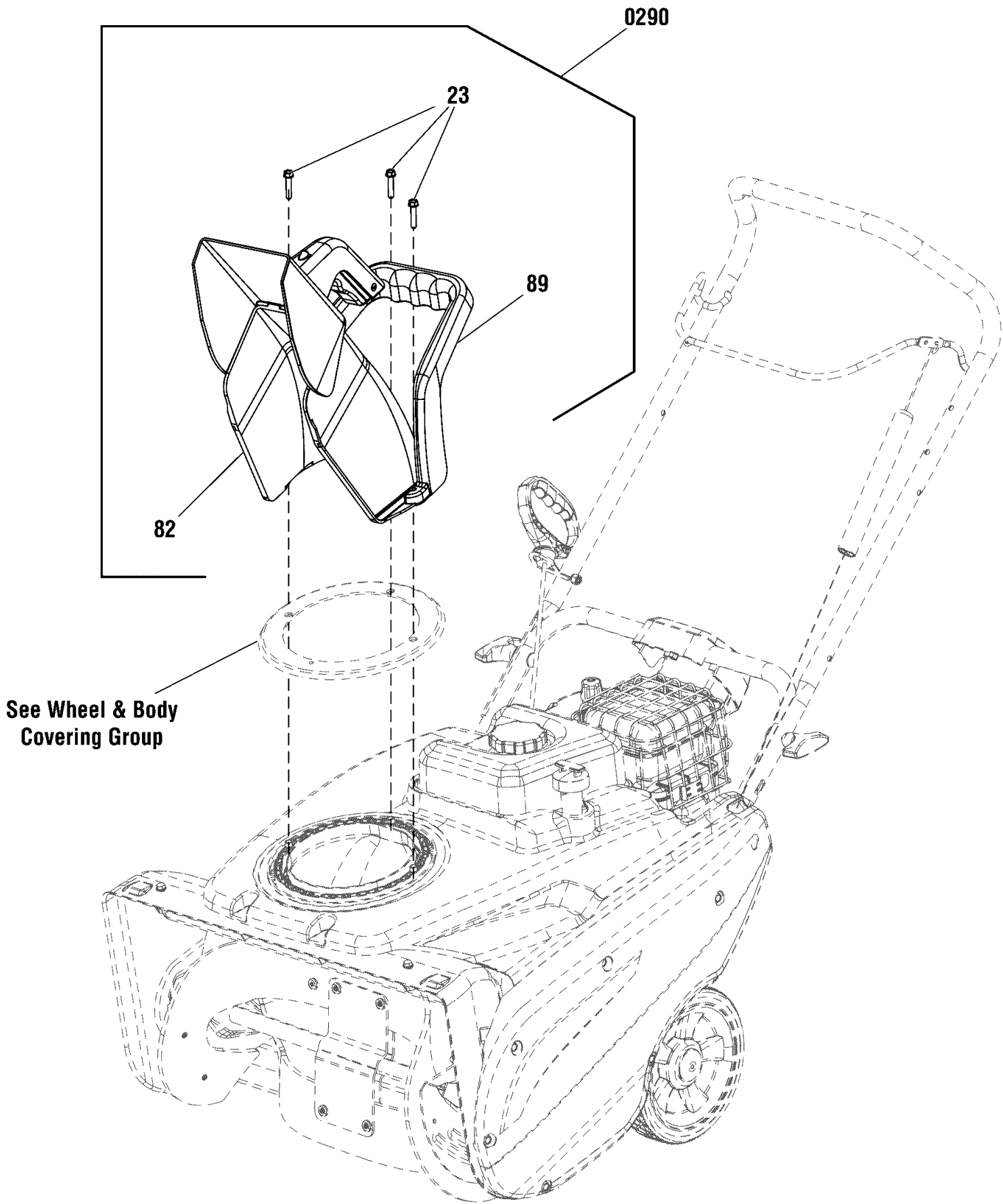
## Auger Group

REF NO	PART NO	QTY	DESCRIPTION
0090	770004	1	KIT-SCRAPER BAR -(Incl. Ref. Nos. 38, 63, 64, 65)
38	1752935	4	NUT, 1/4-20, Nylon Hex, CZ
63	5025299X5	4	SCREW, 1/4-20 x 5/8, Allen Head
64	-----	1	BAR, Scraper, Robolon
65	-----	1	SUPPORT, Scraper Blade
0160	709877	1	KIT, AUGER BEARING -(Incl. Ref. No. 67)
67	-----	2	BEARING
0170	709878	1	KIT, AUGER BEARING, LEFT -(Incl. Ref. Nos. 26, 43, 44, 66, 67, 96)
26	-----	3	WASHER, M6, Split Lock, MC
43	7091835	3	SCREW, M6 1.0X12MM, Hex Head, CZ
44	-----	3	WASHER, 6x12x.7, Flat
66	-----	1	RETAINER, Bearing
67	-----	1	BEARING
96	-----	1	WASHER, Flat, 18x24x2
0180	709879	1	KIT, AUGER FLIGHT & SCRAPER BAR -(Incl. Ref. Nos. 38, 63, 64, 65, 71, 72)
38	1752935	4	NUT, 1/4-20, Nylon Hex, CZ
63	5025299X5	4	SCREW, 1/4-20 x 5/8, Allen Head
64	-----	1	BAR, Scraper, Robolon
65	-----	1	SUPPORT, Scraper Blade
71	1739727	2	FLIGHT, Auger
72	7091246	12	SCREW, 1/4-20 x 3/4" Pan Head Self-Tap (Torx) BZ
0190	1687804	1	KIT, AUGER FLIGHT -(Incl. Ref. Nos. 71, 72)
71	1739727	2	FLIGHT, Auger
72	7091246	12	SCREW, 1/4-20 x 3/4" Pan Head Self-Tap (Torx) BZ
0200	709881	1	KIT-AUGER ASSEMBLY -(Incl. Ref. Nos. 68, 70, 71, 72)
68	-----	1	SHAFT, Auger Assembly
70	-----	1	PLATE, Center
71	1739727	2	FLIGHT, Auger
72	7091246	12	SCREW, 1/4-20 x 3/4" Pan Head Self-Tap (Torx) BZ
0210	709882	1	KIT, AUGER BEARING, RIGHT -(Incl. Ref. Nos. 20, 26, 43, 44, 62, 66, 67, 76)
20	-----	1	BOLT, M6x16, Hex Head
26	-----	6	WASHER, M6, Split Lock, MC
43	7091835	6	SCREW, M6 1.0X12MM, Hex Head, CZ
44	-----	6	WASHER, 6x12x.7, Flat
62	-----	1	CAP, Bearing
66	-----	1	RETAINER, Bearing
67	-----	1	BEARING
76	-----	1	WASHER, 6x23x3, Flat

# Chute Group - Manual

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1697116-00





## *Chute Group - Manual*

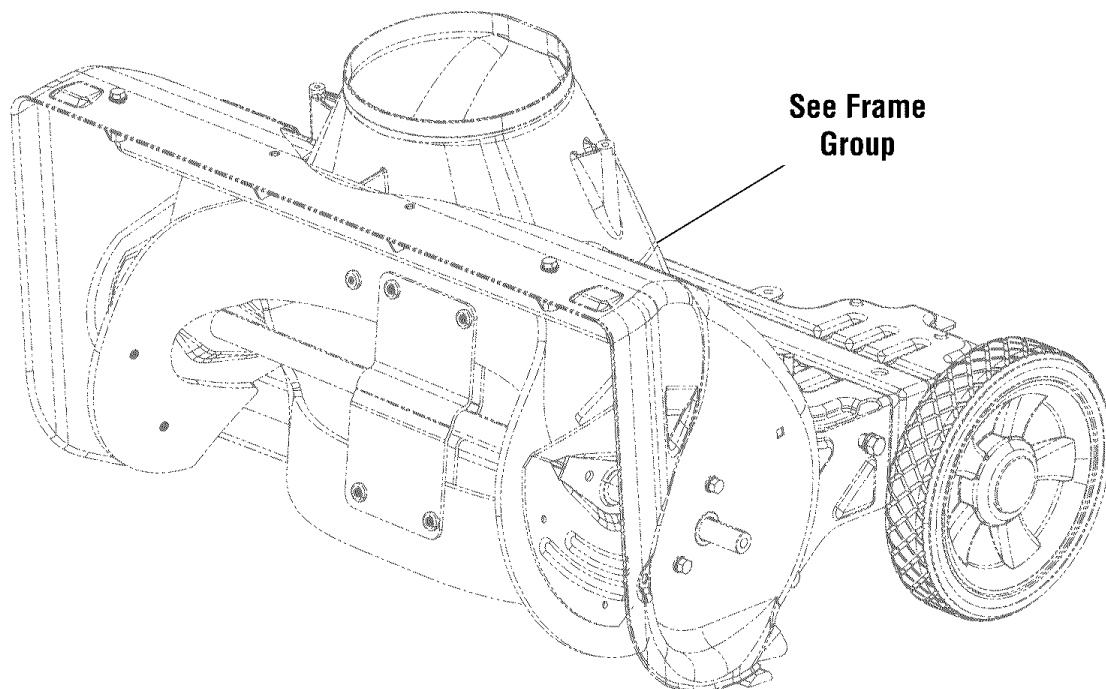
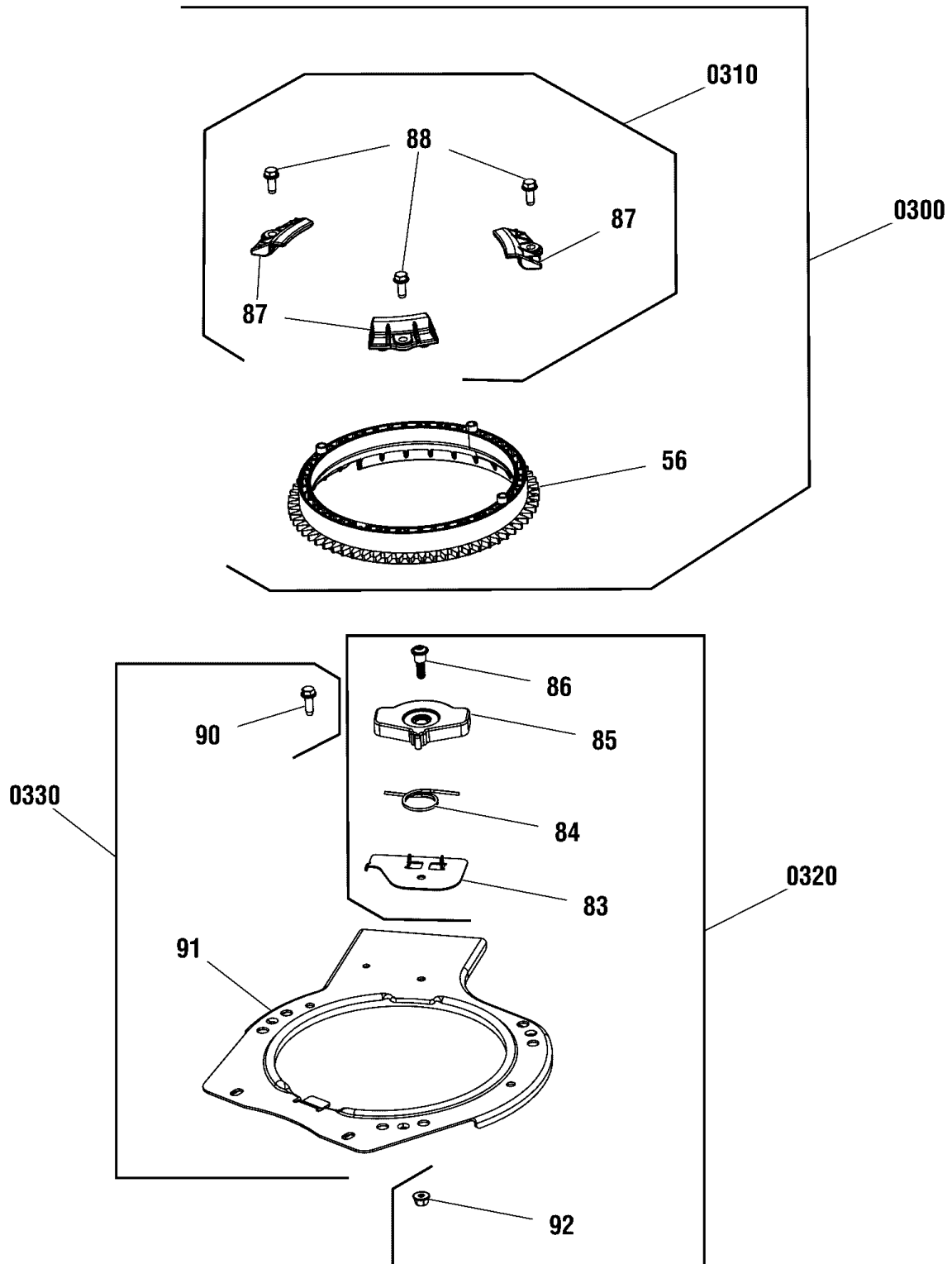
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REF NO	PART NO	QTY	DESCRIPTION
0290	709921	1	KIT, CHUTE ASSEMBLY -(Incl. Ref. Nos. 23, 82, 89, 301, 302)
23	1751399YP	3	SCREW, Self Tapping, 1/4-15 x 1-1/4
82	-----	1	*CHUTE, Assembly, Quick Deflector
89	1739692YP	1	HANDLE, Chute Rotation
301	1737865YP	1	DECAL, Danger Chute Warning, FR/ENG
302	1739966YP	1	DECAL, Chute, FR-EN

# Chute Rotation Group - Manual

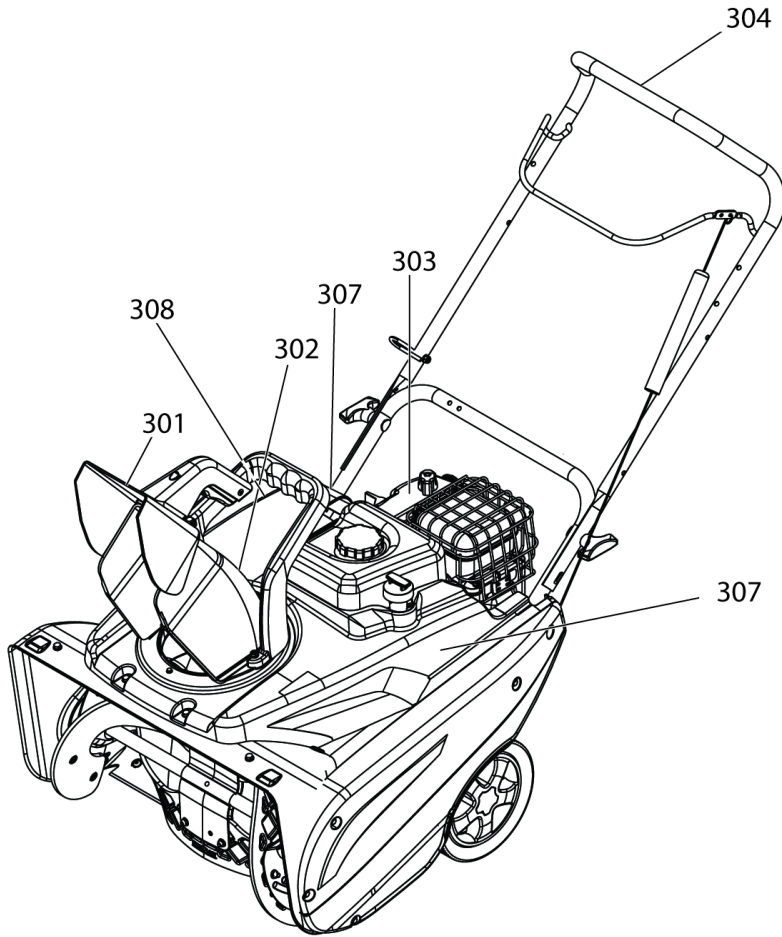
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1697116-00

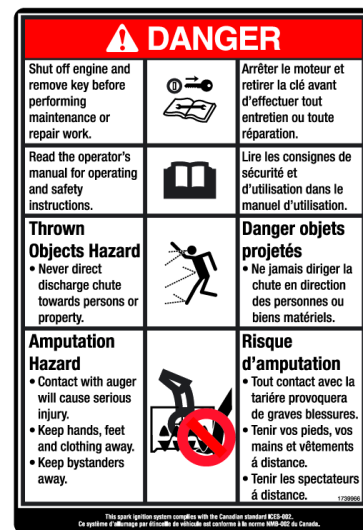


## Chute Rotation Group - Manual

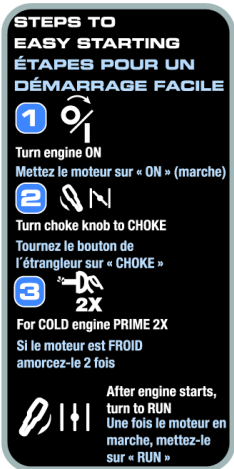
REF NO	PART NO	QTY	DESCRIPTION
0300	709922	1	KIT, CHUTE GEAR -(Incl. Ref. Nos. 56, 87, 88)
56	-----	1	GEAR, 65T, 8P, Driven, SS Chute Rotation
87	-----	3	RETAINER, Chute
88	703054	3	SCREW, Hex Washer Head, 1/4-20 x 5/8
0310	709923	1	KIT, CHUTE RETAINER -(Incl. Ref. Nos. 87, 88)
87	-----	3	RETAINER, Chute
88	703054	3	SCREW, Hex Washer Head, 1/4-20 x 5/8
0320	709924	1	KIT, CHUTE ROTATION LEVER -(Incl. Ref. Nos. 83, 84, 85, 86, 92)
83	708714	1	BASE PLATE
84	708713	1	SPRING
85	708712	1	LEVER, Chute Rotation
86	706514	1	SCREW, Shoulder, Button Torx Washer Head, 1/4-20 x 1
92	-----	1	NUT, Flange, Nylock, 1/4-20
0330	709925	1	KIT, CHUTE ADAPTER PLATE -(Incl. Ref. Nos. 90, 91)
90	-----	2	*SCREW, Hex Washer, 1/4-15 X 1.00, CZ
91	-----	1	*PLATE, Chute Mounting



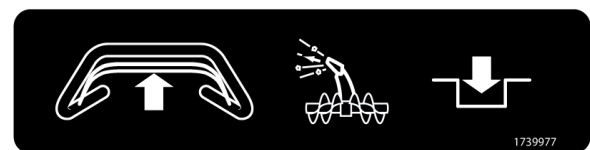
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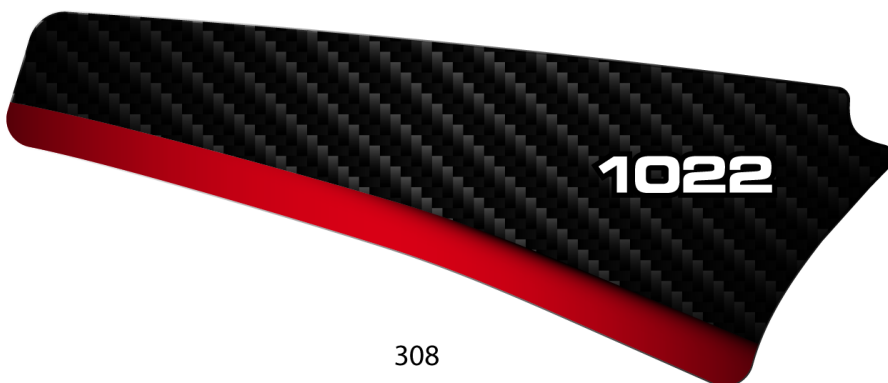
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303



304



308



307

## ***Decals Group***

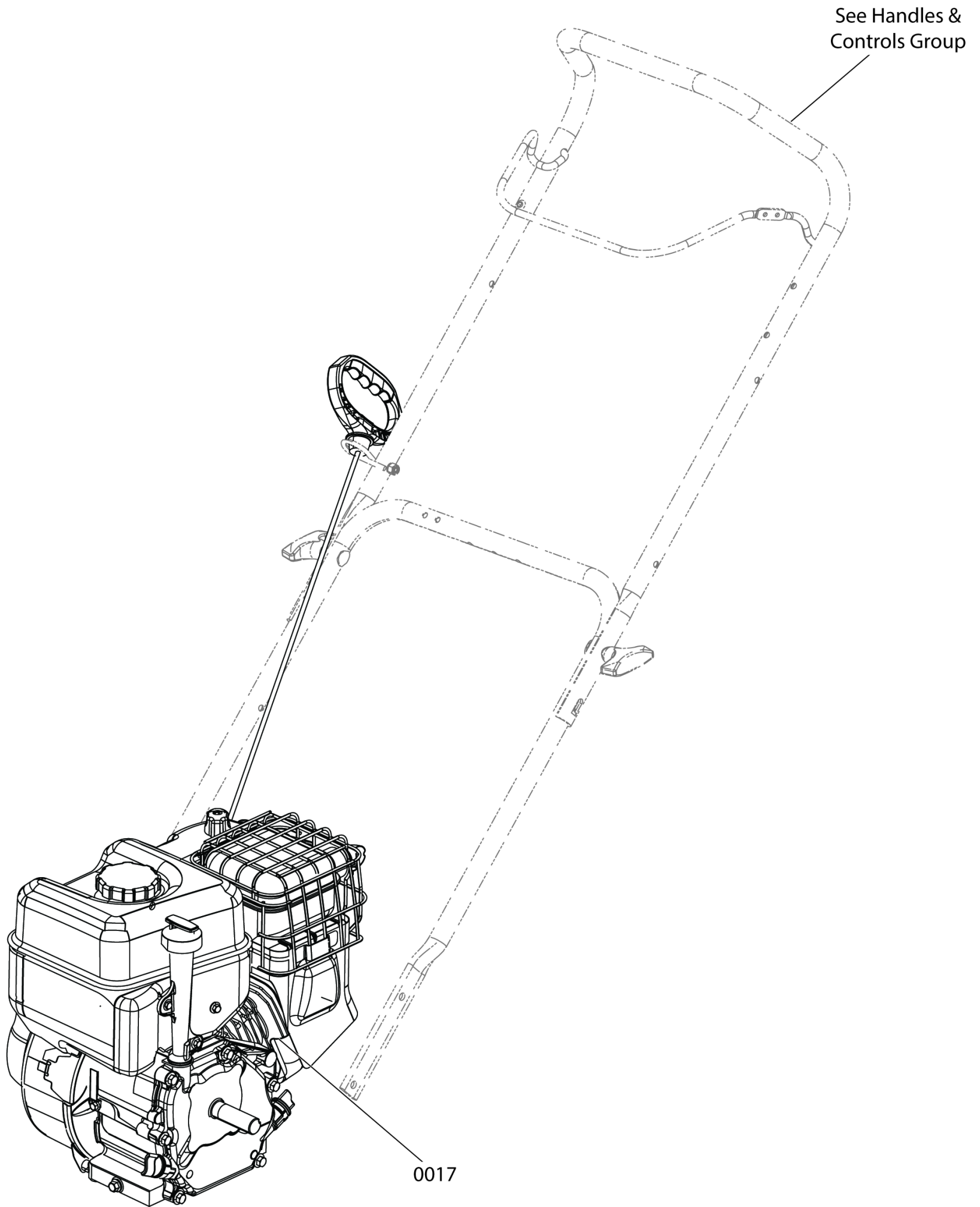
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<b>REF NO</b>	<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
301	1737865YP	1	DECAL, Danger Chute Warning, FR/ENG
302	1739966YP	1	DECAL, Chute, FR-EN
303	1739970YP	1	DECAL, 1-2-3 Start, FR-EN
304	1739977YP	1	DECAL, Bail Engagement
307	-----	2	DECAL, Briggs Brand
308	80080071	1	DECAL, Model, 622 -(Recoil Start)

# Engine Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1697116-00



## Engine Group

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REF NO	PART NO	QTY	DESCRIPTION
0017	08C132-8999-F1	1	ENGINE -(Refer to Note: *)

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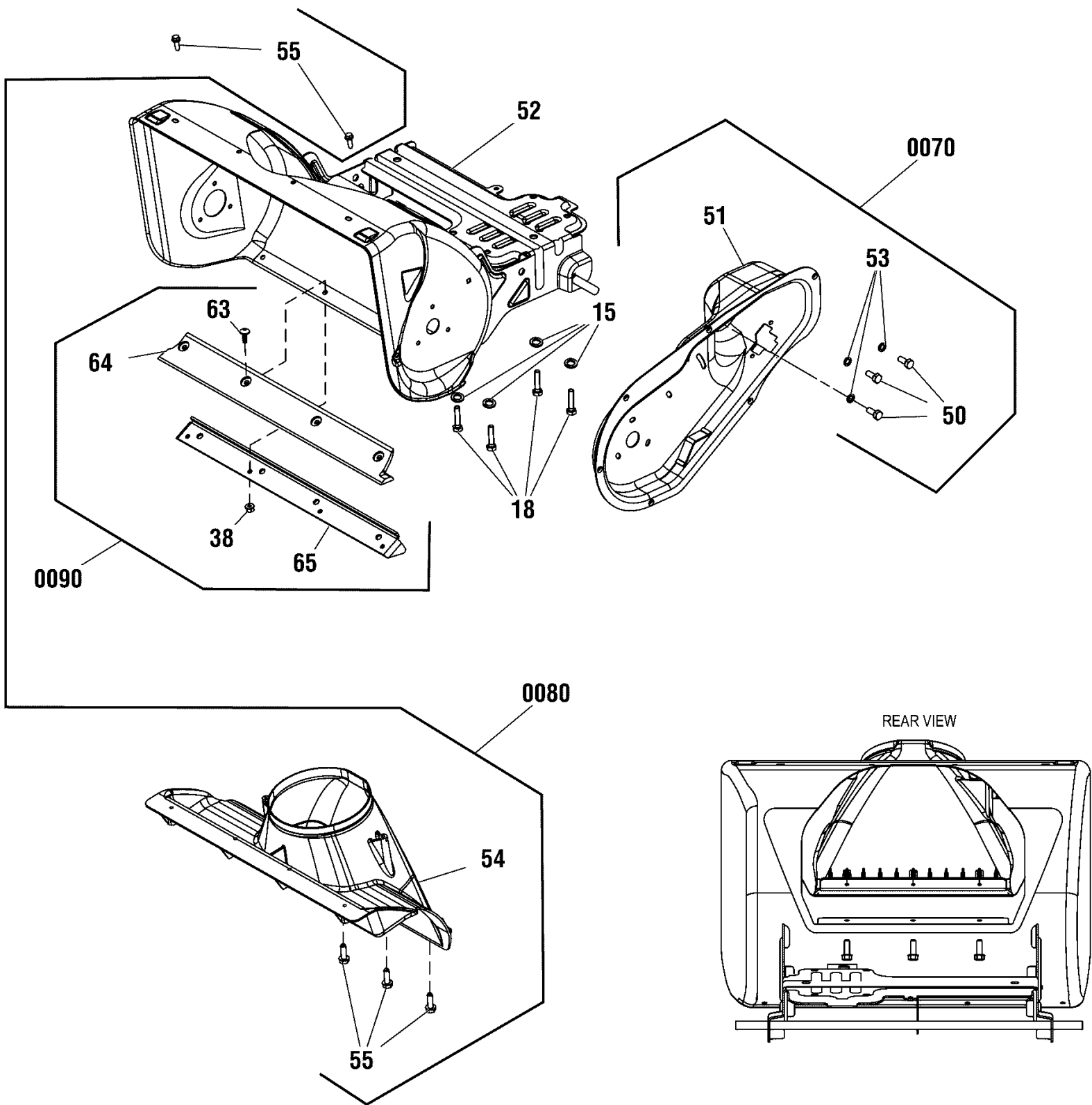
**Footnotes:**

Note\* To verify your specific engine model, please reference the ID Tag located on your engine. See your local Briggs & Stratton distributor for parts and service.

# Frame Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1697116-00





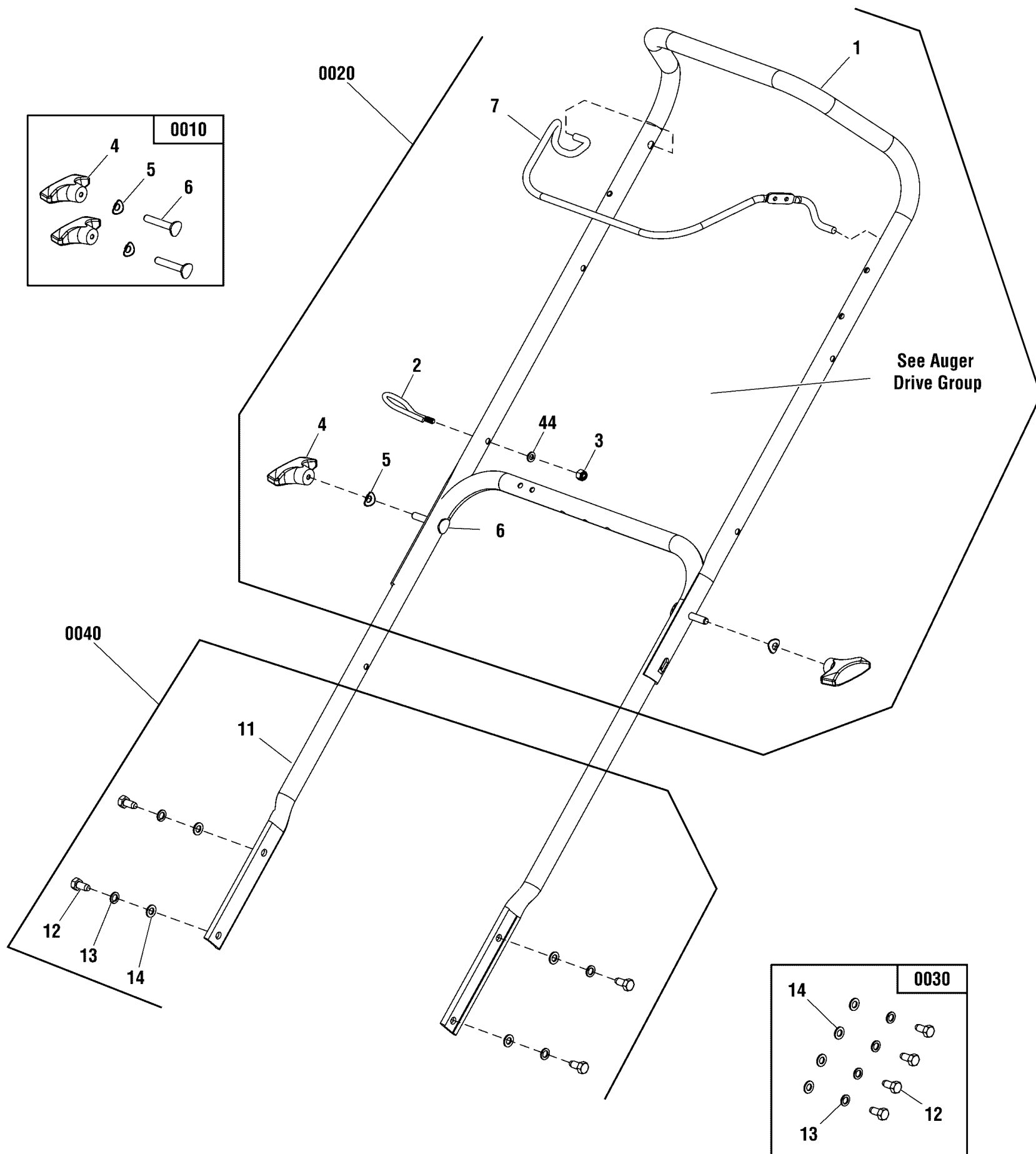
## Frame Group

REF NO	PART NO	QTY	DESCRIPTION
15	-----	4	WASHER, M10, Split Lock
18	80020381	4	SCREW, 3/8-16X1.250, Hex Washer Taptite, ZC
52	-----	1	HOUSING, Auger
0070	709866	1	KIT, DRIVE HOUSING -(Incl. Ref. Nos. 50, 51, 53)
50	1752876YP	3	CAPSCREW, Hex Head, 5/16-24 x 5/8
51	-----	1	HOUSING, Drive
53	-----	3	LOCKWASHER, Spring, 5/16
0080	709867	1	KIT, CHIMNEY -(Incl. Ref. Nos. 54, 55)
54	-----	1	CHIMNEY
55	7091081SM	5	SCREW, 1/4-15X3/4, Self-Tapping, BZ
0090	770004	1	KIT-SCRAPER BAR -(Incl. Ref. Nos. 38, 63, 64, 65)
38	1752935YP	4	NUT, 1/4-20, Nylon Hex, CZ
63	-----	4	SCREW, 1/4-20 x 5/8, Allen Head
64	-----	1	BAR, Scraper, Robolon
65	1752660AYP	1	SUPPORT, Scraper Blade

# Handles & Controls Group

Note: Unless noted otherwise, use the standard torque specifications

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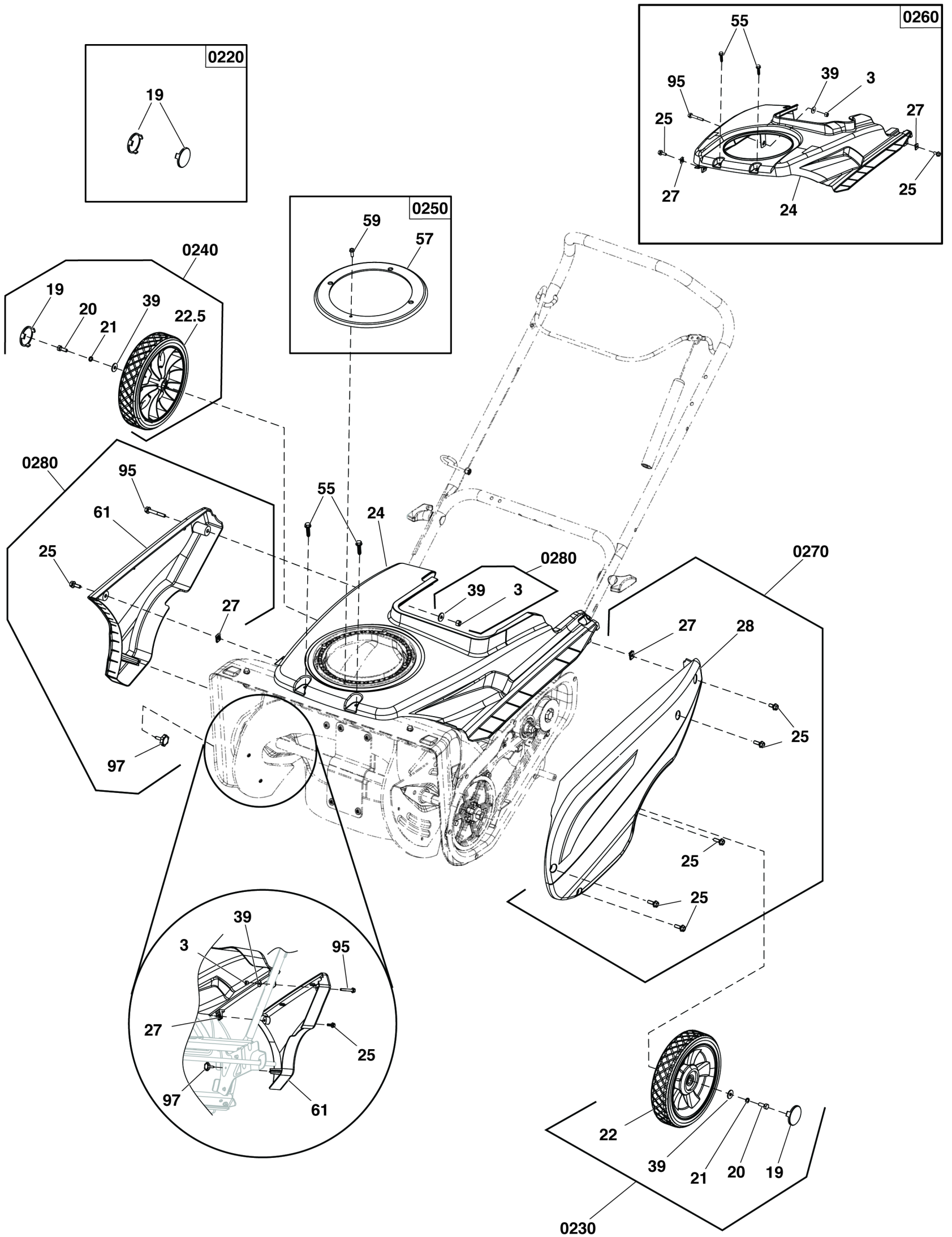
## Handles & Controls Group

REF NO	PART NO	QTY	DESCRIPTION
0010	709859	2	KIT, UPPER HANDLE HARDWARE -(Incl. Ref. Nos. 4, 5, 6)
4	-----	2	KNOB, Wing, M8
5	-----	2	WASHER, M8, Curved
6	-----	2	BOLT, M8x40, Carriage, Curved Head
0020	709860	1	KIT, UPPER HANDLE -(Incl. Ref. Nos. 1, 2, 3, 4, 5, 6, 7, 44)
1	-----	1	HANDLEBAR, Upper SS
2	-----	1	GUIDE, Rope
3	-----	1	NUT, M6, Lock
4	-----	2	KNOB, Wing, M8
5	-----	2	WASHER, M8, Curved
6	-----	2	BOLT, M8x40, Carriage, Curved Head
7	709858	1	BAIL, Engine Stop
44	-----	1	WASHER, 6x12x.7, Flat
0030	709861	1	KIT, LOWER HANDLE HARDWARE -(Incl. Ref. Nos. 12, 13, 14)
12	-----	4	SCREW, Hex Head, M8 X 20
13	-----	4	WASHER, Lock, M8
14	-----	4	WASHER, Flat, 8 X 16 X 1.2
0040	709862	1	KIT, LOWER HANDLE -(Incl. Ref. Nos. 11, 12, 13, 14)
11	-----	1	HANDLE, Lower
12	-----	4	SCREW, Hex Head, M8 X 20
13	-----	4	WASHER, Lock, M8
14	-----	4	WASHER, Flat, 8 X 16 X 1.2

# Wheel & Body Covering Group

Note: Unless noted otherwise, use the standard torque specifications

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## Wheel & Body Covering Group

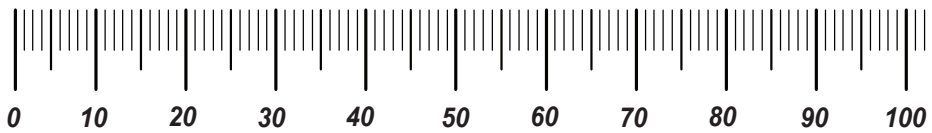
REF NO	PART NO	QTY	DESCRIPTION
0220	709883	1	KIT, Wheel Cover, Pewter -(Incl. Ref. Nos. 19)
19	-----	2	COVER, End, Wheel, Pewter
0230	709885	1	KIT, WHEEL, LEFT, PEWTER -(Incl. Ref. Nos. 19, 20, 21, 22 & 39)
19	-----	1	COVER, End, Wheel, Pewter
20	-----	1	BOLT, M6x16, Hex Head
21	-----	1	WASHER, M6, Split Lock, MC
22	-----	1	WHEEL, Left, 1.75 X 8, Pewter
39	-----	1	WASHER, 6 X 18 X 1.5, Flat
0240	770059	1	KIT, WHEEL, RIGHT, PEWTER -(Incl. Ref. Nos. 19, 20, 21, 22.5 & 39)
19	-----	1	COVER, End, Wheel, Pewter
20	-----	1	BOLT, M6x16, Hex Head
21	-----	1	WASHER, M6, Split Lock, MC
22.5	-----	1	WHEEL, Right, 1.75 X 8, Pewter
39	-----	1	WASHER, 6 X 18 X 1.5, Flat
0250	709887	1	KIT, CHUTE MOISTURE COVER -(Incl. Ref. Nos. 57 & 59)
57	-----	1	COVER, Chute Moisture
59	723361	1	SCREW, #10-HL x 5/8, Hex Washer Head
0260	709891	1	KIT, TOP COVER -(Incl. Ref. Nos. 3, 24, 25, 27, 39, 55 & 95)
3	-----	1	NUT, M6, Lock
24	80078867	1	COVER, Top, Continuum Charcoal
25	-----	2	SCREW, M6x16, Hex Washer Head
27	-----	2	NUT, M6, CLIP
39	-----	1	WASHER, 6 X 18 X 1.5, Flat
55	7091081SM	2	SCREW, 1/4-15X3/4, Self-Tapping, BZ
95	-----	1	SCREW, M6x40, Hex Flange Head
0270	709896	1	KIT, DRIVE CASE COVER -(Incl. Ref. Nos. 25, 27 & 28)
25	-----	7	SCREW, M6x16, Hex Washer Head
27	-----	1	NUT, M6, CLIP
28	-----	1	COVER, Drive Case, Black
0280	709916	1	KIT, SIDE COVER, RIGHT -(Incl. Ref. Nos. 3, 25, 27, 39, 61, 95 & 97)
3	-----	1	NUT, M6, Lock
25	-----	2	SCREW, M6x16, Hex Washer Head
27	-----	2	NUT, M6, CLIP
39	-----	1	WASHER, 6 X 18 X 1.5, Flat
61	80080335	1	COVER, Side, Continuum Charcoal
95	-----	1	SCREW, M6x40, Hex Flange Head
97	-----	1	SCREW, M5x20, Knob, Self-Tapping

# Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	5.6		8.8		10.9		12.9	
	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs		ft/lbs	
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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs	
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

The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread Diameter (mm)

Inside Diameter (in)      Threads per inch

Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm)      Distance between threads (mm)      Body Length (mm)

Body Diameter      Threads per inch      Body Length (in)

Screw, 1/2- 16 x 2



## 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).

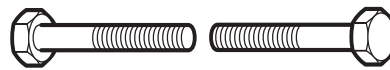
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

## 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

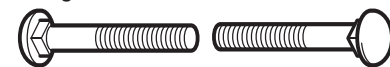
Hex Head Capscrew



Washer



Carriage Bolt



Hex Nut

## 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

