



Parts Manual

Mfg. No: 1696285-00

18-2805-32, Snow Prisma, Stiga 8TP 22"
Snow Prisma 22" Single Stage
Snowthrower (2012-13)

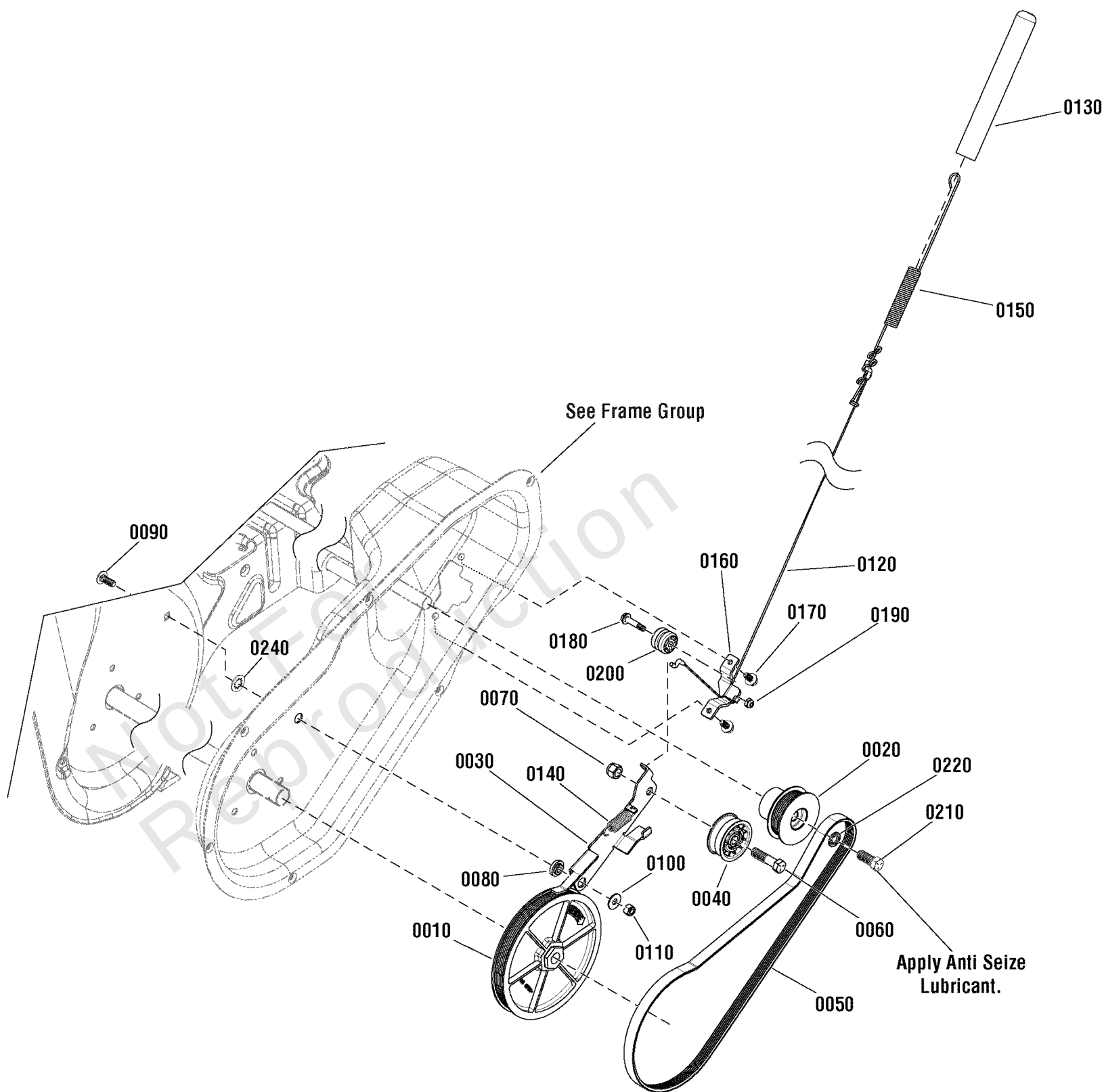
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Not For
Reproduction

Auger Drive Group

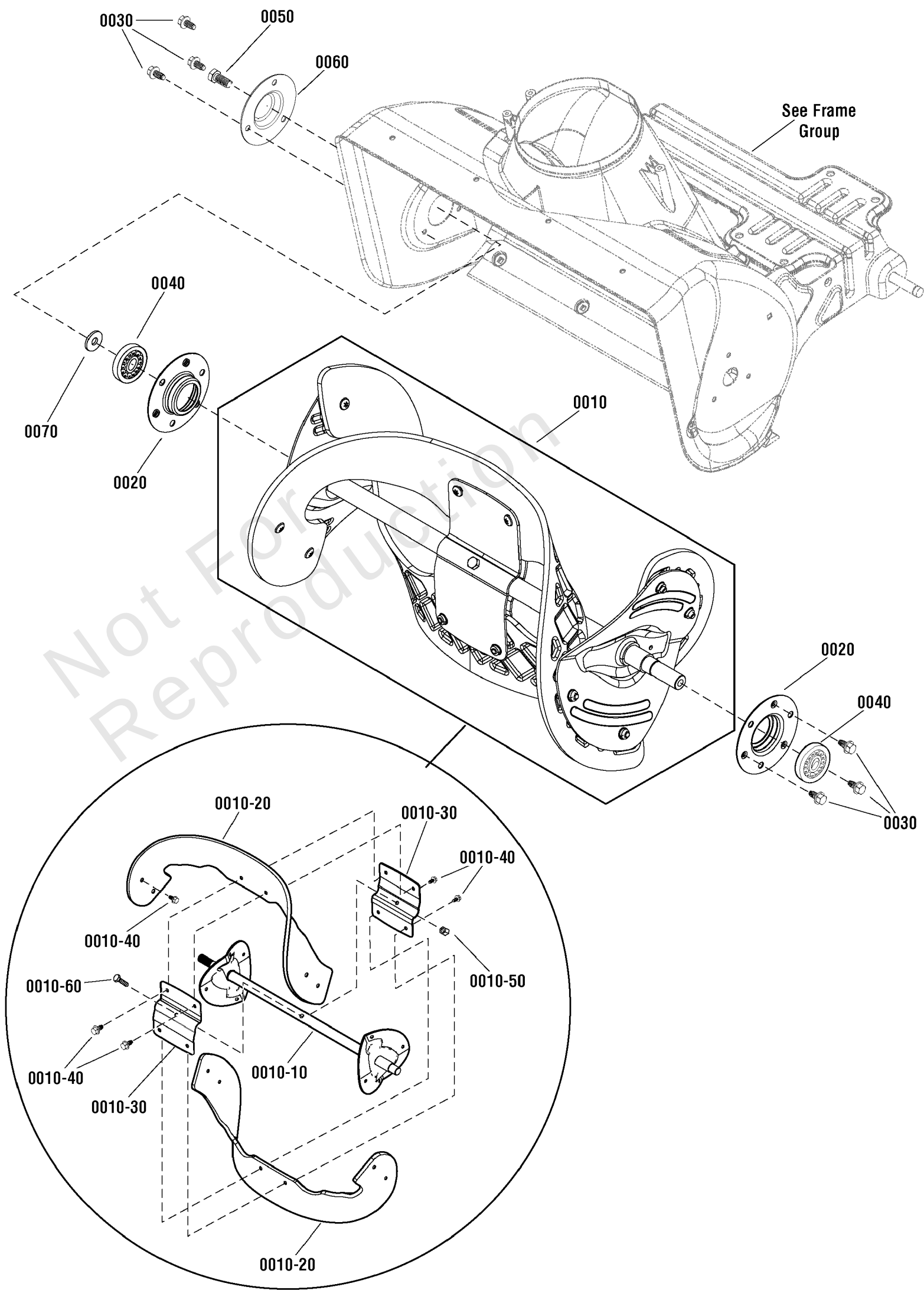
Note: Unless noted otherwise, use the standard torque specifications

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Auger Drive Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1739730	1	PULLEY, Driven
0020	1739179	1	PULLEY, Driver
0030	1739526	1	ARM, Idler, Drive
0040	722378	1	IDLER, Plastic all Bearing
0050	1739338	1	BELT, Drive
0060	720192	1	CAPSCREW, Hex Head, 3/8-16X1-1/2
0070	7091299	1	NUT, Nylock, 3/8
0080	1739709	1	SPACER, Idler Arm
0090	1931318	1	BOLT, Carriage, 1/4-20 x 3/4 G5
0100	7091253	1	WASHER, Flat, .281 X 3/4 x 1/2
0110	7091603	1	NUT, Nylock, 1/4
0120	727331	1	CABLE, Handle
0130	1739935	1	BOOT, Clutch Spring
0140	1750226	1	SPRING, Idler
0150	1750315	1	SPRING, Extension
0160	1750329	1	BRKT, Cable Guide
0170	1750447	2	SCREW, Hex Washer Head, Trilob, 1/4-20 x 1/2
0180	1750594	1	CAPSCREW, Hex Shoulder, 1/4 x 3/4
0190	7090376	1	NUT, Locking, #10
0200	724621	1	SPOOL CABLE, Auger Control
0210	720016	1	SCREW, 3/8-24 x 1, Hex Head
0220	22237	1	WASHER, Locking, 3/8
0240	1960518	1	NUT, Push, 1/4



Auger Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1751388	1	AUGER ASSEMBLY, Complete -(Incl. Ref. Nos. 0010-10, 0010-20, 0010-30, 0010-40, 0010-50 & 0010-60)
0010-10	1739724A	1	* AUGER SHAFT ASSEMBLY
0010-20	1739727	2	FLIGHT, Auger
0010-30	1739729A	2	* PLATE, Auger, Center
0010-40	7091246YP	12	SCREW, 1/4-20 x 3/4, Pan Head Torx
0010-50	7091603	1	NUT, Nylock, 1/4-20
0010-60	51374	1	CAPSCREW, Hex Head, 1/4-20 X 1 1/2, G5
0020	1739228	2	RETAINER, Bearing
0030	1750447	6	SCREW, Hex Washer Head, Trilob, 1/4-20 x 1/2
0040	1705897	2	BEARING, Ball, 11/16 x 1-9/16 x 15/32
0050	22142	1	CAPSCREW, Hex Head, 5/16-18 x 3/4
0060	1739229A	1	CAP, BEARING
0070	7900022	1	WASHER, Flat, 7/8 x 21/64
--	1687489	1	KIT, Auger Flight -(Incl. Ref. Nos. 0010-20 & 0010-40)

Footnotes:

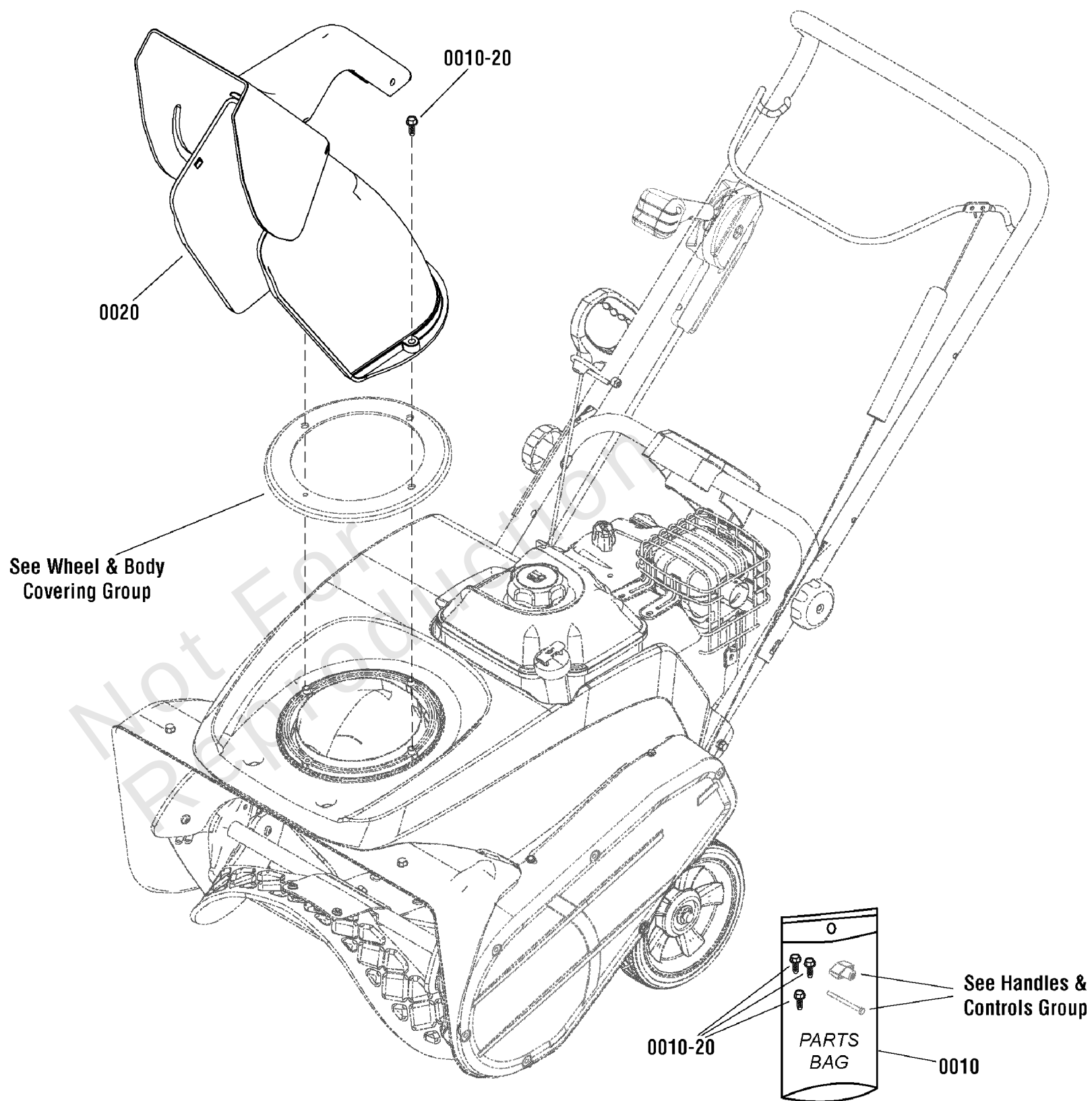
** Not a servicable part, order Auger Flight Kit 1687489YP.

* Not a servicable part, order complete Auger Assembly.

Chute Group - Remote

Note: Unless noted otherwise, use the standard torque specifications

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Chute Group - Remote

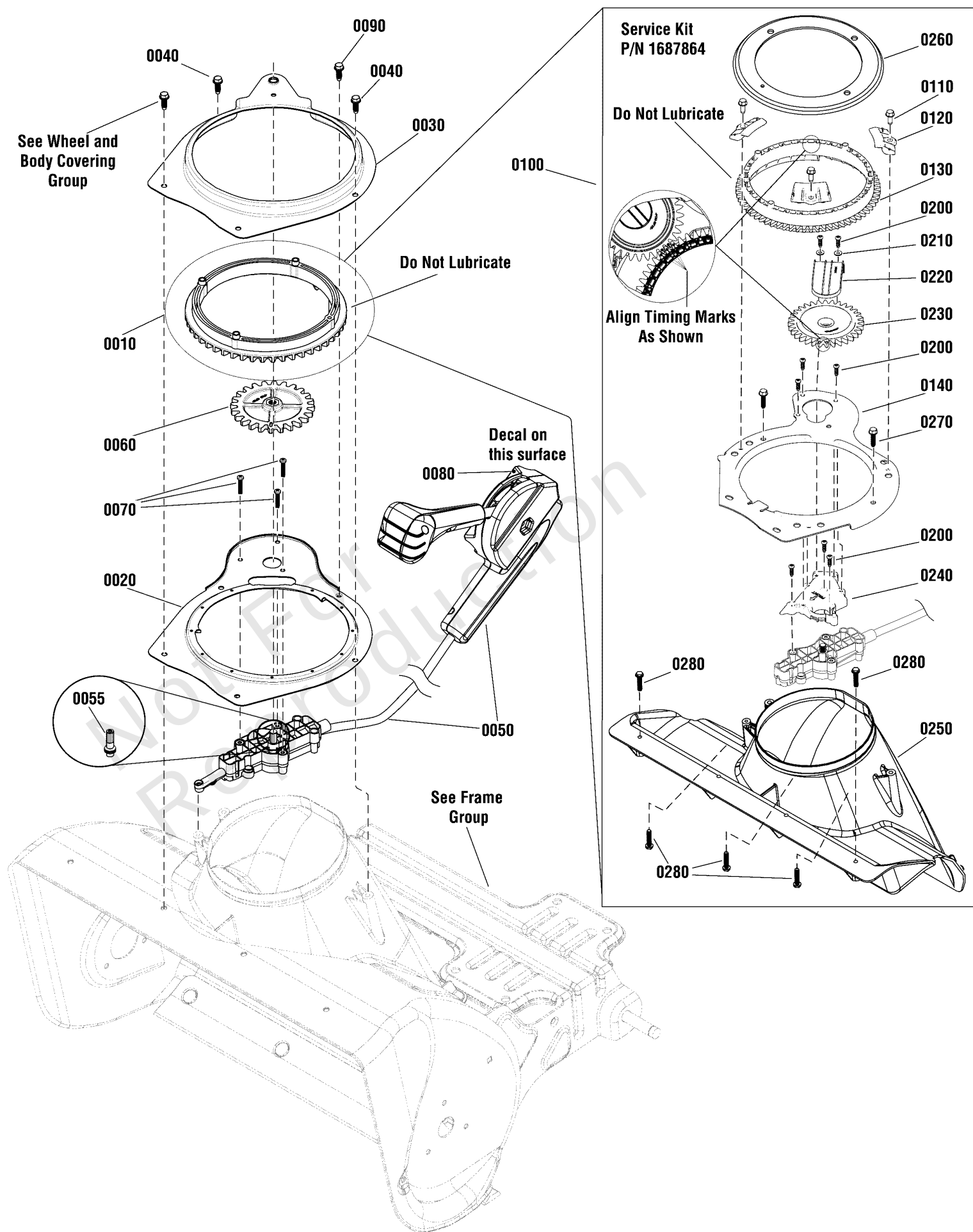
REF NO	PART NO	QTY	DESCRIPTION
0010	1751006	1	PARTS BAG
0010-20	1751399	3	SCREW, Hex Washer Head, HI-LO, 1/4-15 x 1-1/4
0020	1739522	1	CHUTE ASSEMBLY

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Chute Rotation Group - Remote

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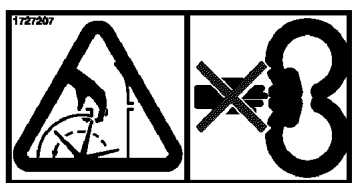
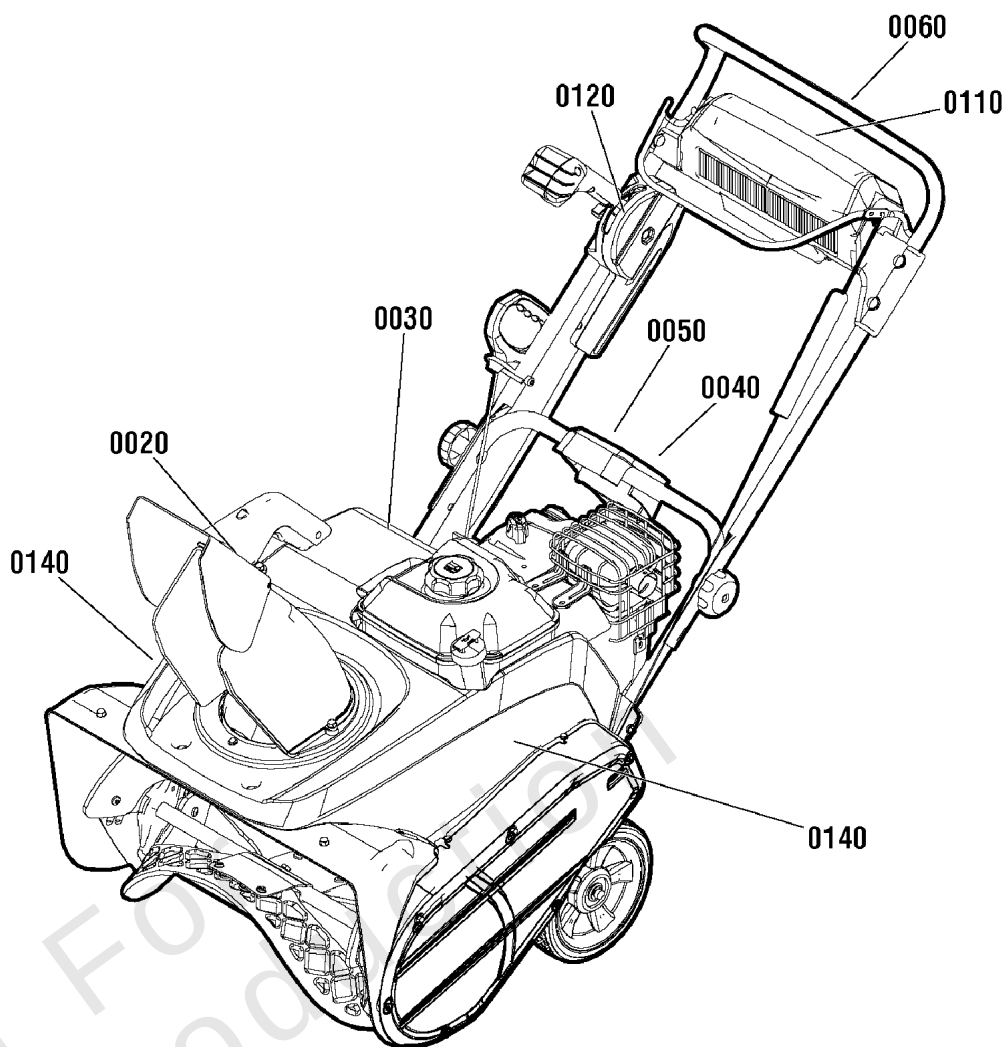
Chute Rotation Group - Remote

REF NO	PART NO	QTY	DESCRIPTION
0010	1739123YP	1	GEAR, Chute Rotation
0020	1739364YP	1	PLATE, Chute Mounting
0030	1739365YP	1	RETAINER, Chute Gear
0040	7091081SM	2	HWST, 1/4-15X3/4 BZ
0050	1739754YP	1	CHUTE ROTATION ASSEMBLY, Remote
0055	709524	1	GEAR, Spur, Remote Chute Rotation Output Shaft
0060	1738955YP	1	GEAR, Chute Rotation
0070	7100225YP	4	SCREW, #8-16, Pan Head Torxplus Recessed, Twin Helix
0080	1739976YP	1	DECAL, Chute Rotation (Remote Models Only)
0090	1750447YP	1	SCREW, Hex Washer Head, Trilob, 1/4-20 x 1/2
0100	1687864	1	KIT, Chute Rotation -(Item 0100 Includes items 0110, 0120, 0130, 0140, 0200, 0210, 0220, 0230, 0240, 0250, 0260, 0270 and 0280.)
0110	703054	3	SCREW, 1/4-20X0.625
0120	-----	3	RETAINER, Chute
0130	706509	1	GEAR
0140	708695	1	PLATE, Chute Rotation
0200	704209	8	SCREW, TRXPLUS, #8-16
0210	708699	2	WASHER, Flat 7/16
0220	708698	1	HOLD DOWN, Gear
0230	708697	1	GEAR, Quick Chute Assembly
0240	708696	1	SPACER, Remote Chute Rotation Assembly
0250	707849	1	CHIMNEY -Used with Service Kit 1687864
0260	708735	1	COVER, Chute Rotation Moisture
0270	706516	2	SCREW, Hi-Low, 1/4-15 x 1
0280	7091081SM	5	HWST, 1/4-15X3/4 BZ -(Chimney Mounting)

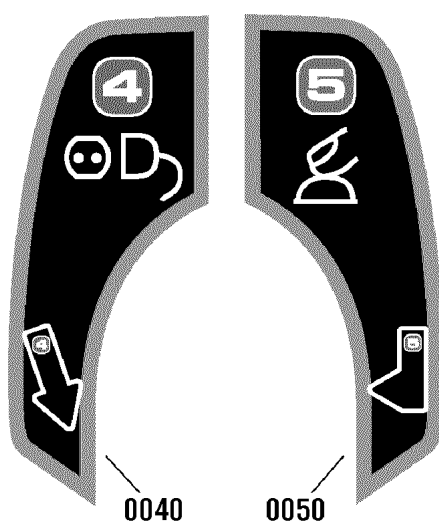
Decals Group - Remote

Note: Unless noted otherwise, use the standard torque specifications

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0020



0040

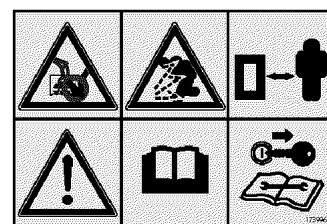
0050



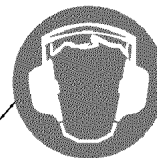
0140



0060



0010



0100



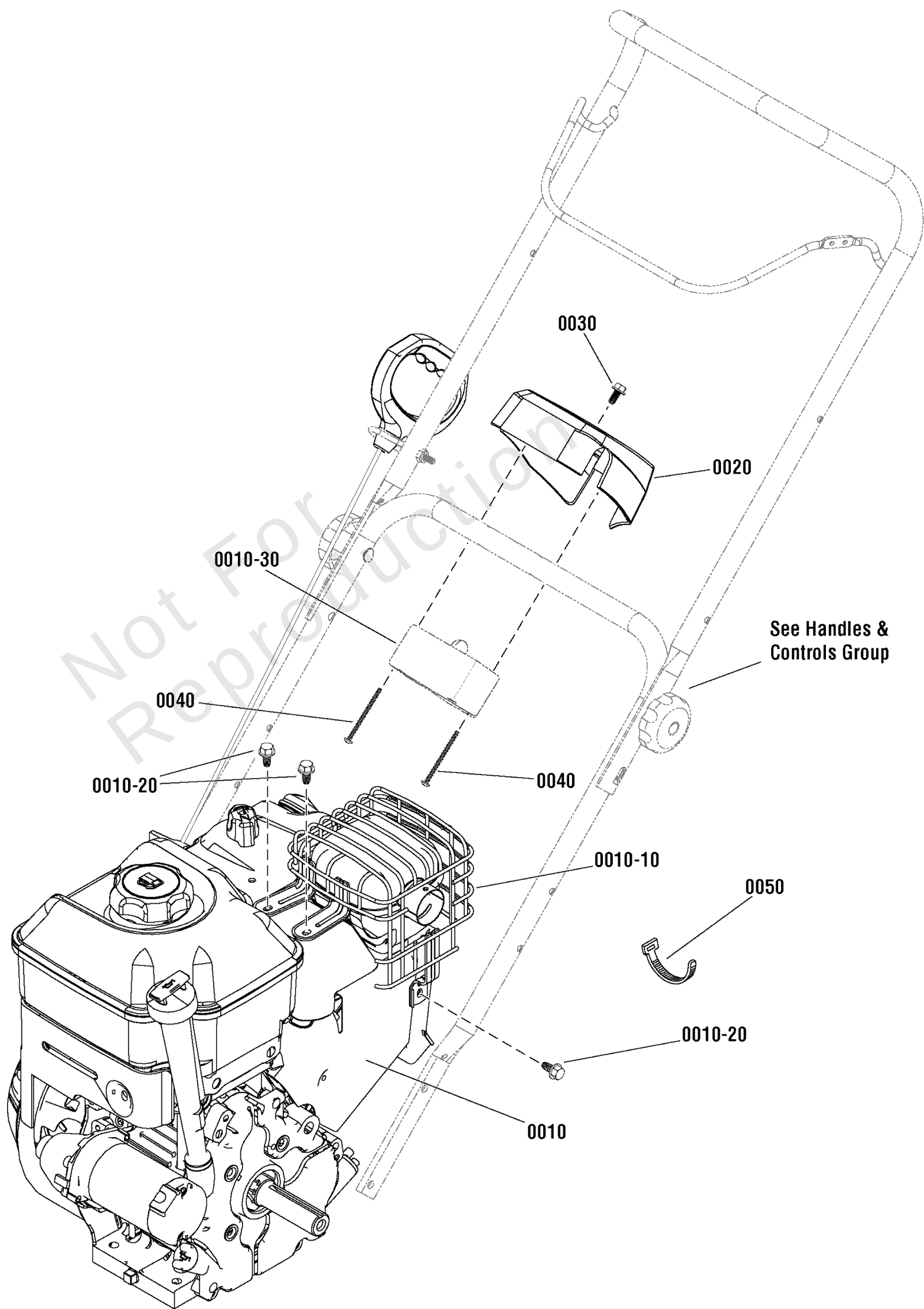
0030



0110

Decals Group - Remote

REF NO	PART NO	QTY	DESCRIPTION
0010	1739967YP	1	DECAL, Chute
0020	1727207SM	1	DECAL, Chute Warning, Export
0030	1739971YP	1	DECAL, 1-2-3 Start
0040	1750735YP	1	DECAL, 4 Start
0050	1750737YP	1	DECAL, 5 Start
0060	1739977YP	1	DECAL, Bail Engagement
0070	1739992YP	2	DECAL, STIGA, LH
0100	304427MA	1	DECAL, Headphones
0110	1754587	1	DECAL, Light Bar



Engine Group

REF NO	PART NO	QTY	DESCRIPTION
0010	12A107-0156-F8	1	* ENGINE, Briggs & Stratton, 8TP -(Engine Model: 12A107-0156-F8)
0010-10	799028	1	GUARD, Muffler
0010-20	699854	3	SCREW, Hex Washer Head, Muffler Guard
0010-30	-----	1	* STARTER, 230V
0020	1750033YP	1	HOUSING, Starter, 230V
0030	1750447YP	1	SCREW, Hex Washer Head, Trilob, 1/4-20 x 1/2
0040	1750592YP	2	SCREW, Pan Head Phillips, Plastite, 8-16 x 2-1/2
0050	032618MA	4	STRAP, Tie

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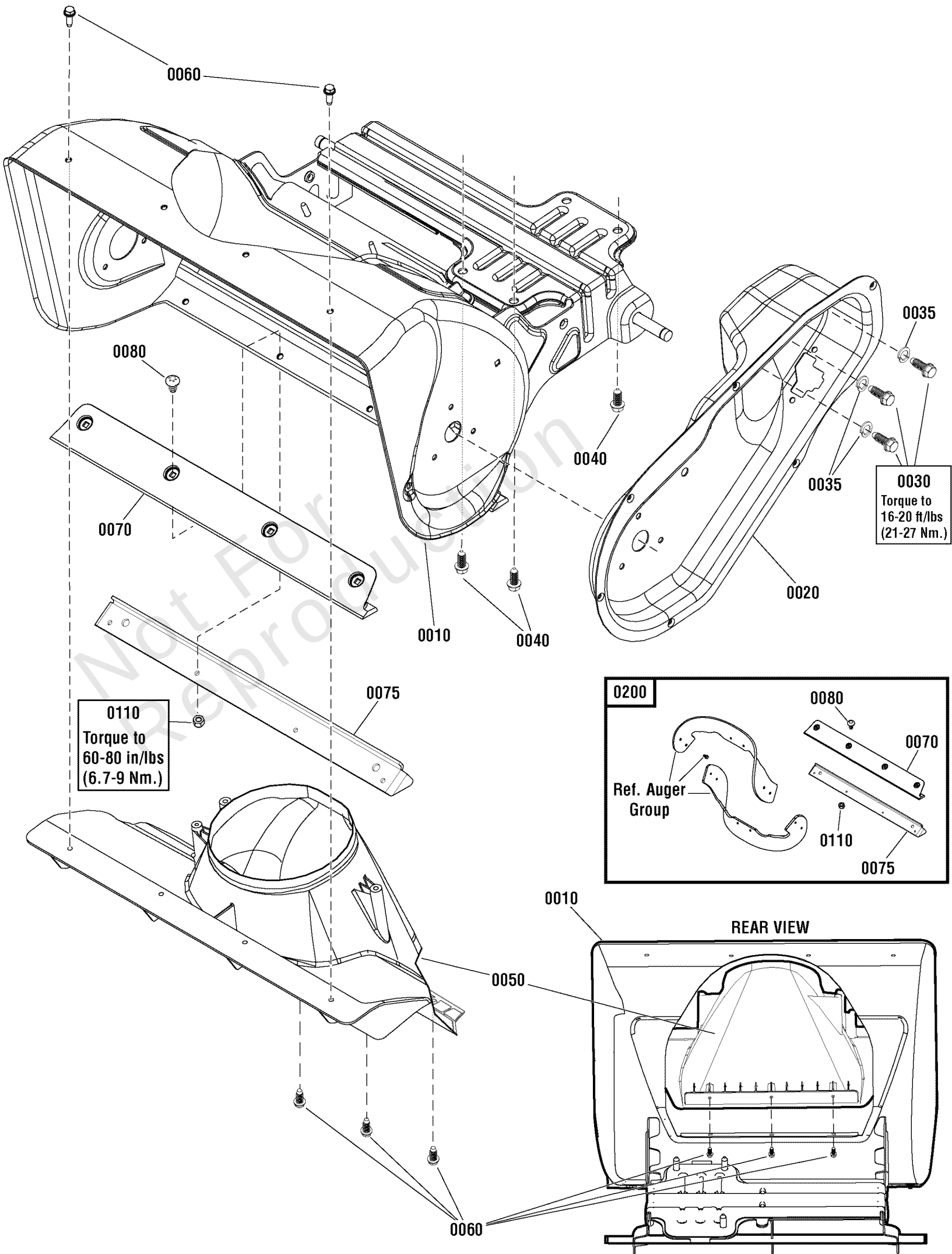
Footnotes:

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

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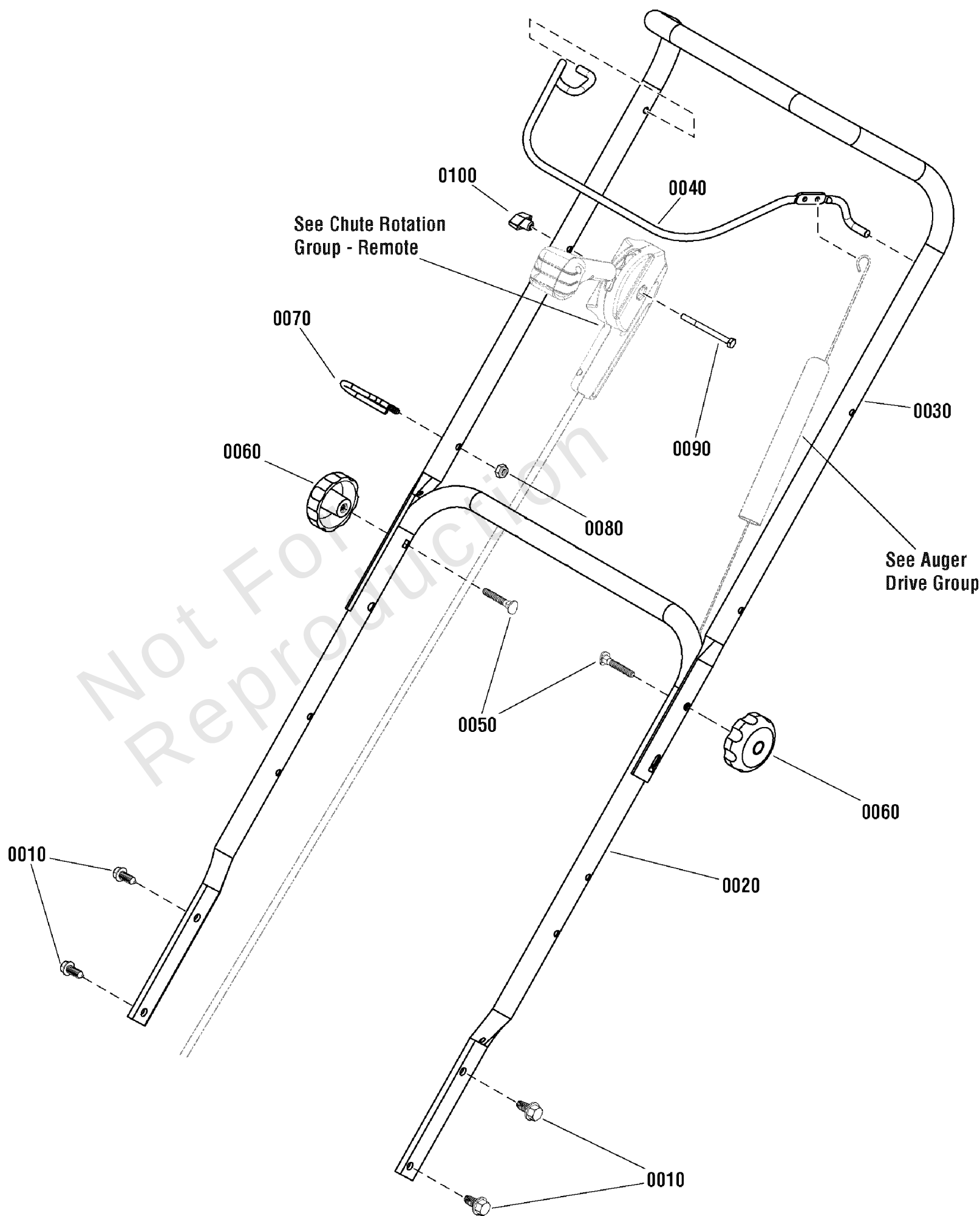
Frame Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1739225AYP	1	FRAME ASSEMBLY
0020	1739100AYP	1	HOUSING, DRIVE
0030	1752876YP	3	CAPSCREW, Hex Head, 5/16-24 x 5/8
0035	1917356SM	3	WASHER, Lock Helical Spring
0040	75246GS	3	TAPTITE
0050	1739555YP	1	CHIMNEY -Used without Service Kit 1687864, Refer to Chute Rotation Group
0050	707849	1	CHIMNEY -Used with Service Kit 1687864, Refer to Chute Rotation Group
0060	7091081SM	5	HWST, 1/4-15X3/4 BZ
0070	-----	1	SCRAPER BAR -(Included with Ref. No. 0200)
0075	1752660AYP	1	SUPPORT, Scraper Blade -(Included with Ref. No. 0200)
0080	5025299X5YP	4	SCREW, 1/4-20 X 5/8 -(Included with Ref. No. 0200)
0110	1752935YP	4	NUT, 1/4-20, Nylon Hex, CZ -(Included with Ref. No. 0200)
0200	1687628YP	1	KIT, Scraper Bar & Flight -(Includes Ref. Nos. 0070, 0075, 0080, 0110, Auger Flights & Hardware)

Handles & Controls Group - Remote

Note: Unless noted otherwise, use the standard torque specifications

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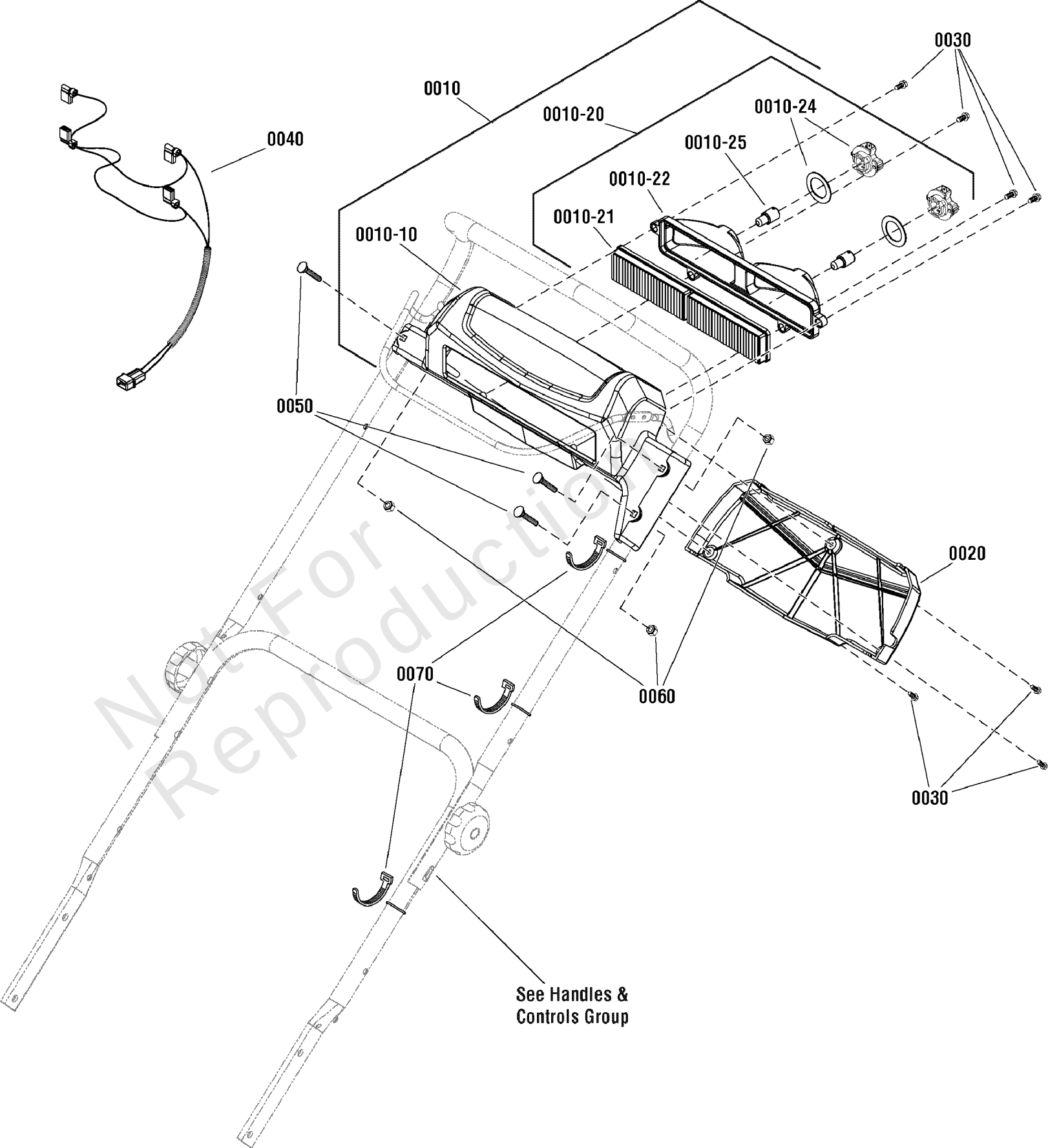
Handles & Controls Group - Remote

REF NO	PART NO	QTY	DESCRIPTION
0010	1930601SM	4	SCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0020	1739362AYP	1	HANDLEBAR, Lower
0030	1751172AYP	1	HANDLEBAR, Upper
0040	1739361BNYP	1	BAIL, Engine Stop
0050	7091189YP	2	BOLT, Carriage, Curved Head, 5/16 x 2, G2
0060	7105085YP	2	KNOB,HANDLE,5 PRONG
0070	1739389YP	1	GUIDE, Rope
0080	-----	1	NUT, 1/4-20, Nylock
0090	7091317YP	1	CAPSCREW, Hex Head, 1/4-20 x 3, G5
0100	194289GS	1	KNOB, Handle

Panel Group - Light

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Panel Group - Light

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	PANEL & LIGHT ASSEMBLY
0010-10	1754530YP	1	PANEL, Headlight
0010-20	1750730YP	1	HEADLIGHT ASSEMBLY, Twin
0010-21	1736177YP	1	LENS, Twin Headlight -(Included with Ref. No. 0010-20)
0010-22	1736178YP	1	DEFLECTOR, Twin Headlight -(Included with Ref. No. 0010-20)
0010-25	-----	2	* LAMP, Halogen. 12V 20W -(Included with Ref. No. 0010-20)
0010-24	1736180YP	2	SOCKET & GASKET ASSEMBLY, Headlight -(Included with Ref. No. 0010-20)
0020	1750875YP	1	COVER, Headlight Panel
0030	7091105YP	7	CAPSCREW, Hex Washer Head, #10-16 x 1/2
0040	1738286YP	1	WIRING HARNESS, Headlight
0050	1960633SM	3	BOLT, Carriage, 1/4-20 x 1-1/2, GR 5
0060	7091603SM	3	NUT, Nylock, 1/4
0070	032618MA	3	CABLE TIE

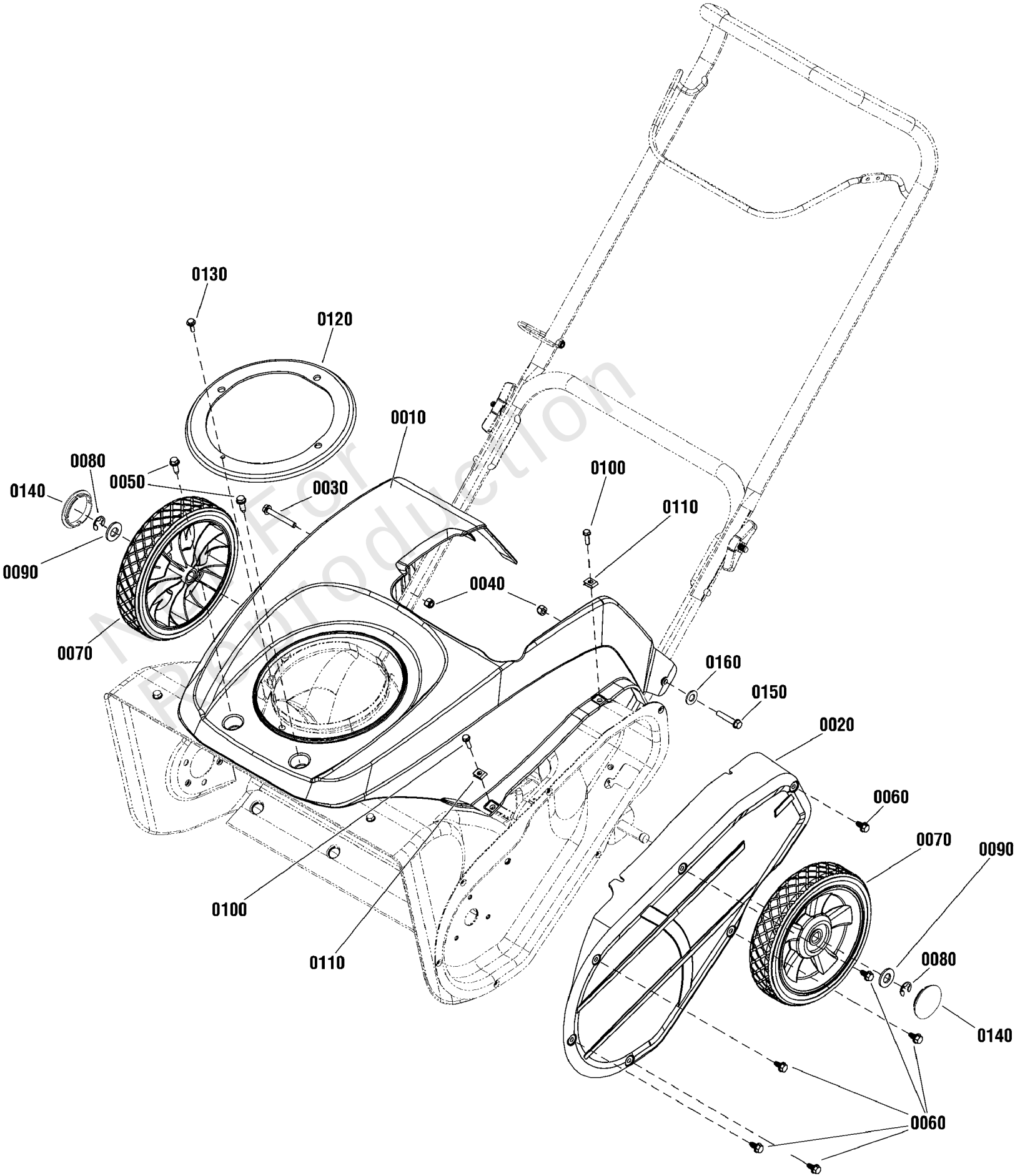
Footnotes:

Note* See your local hardware store for replacement bulbs.

Wheel & Body Covering Group

Note: Unless noted otherwise, use the standard torque specifications

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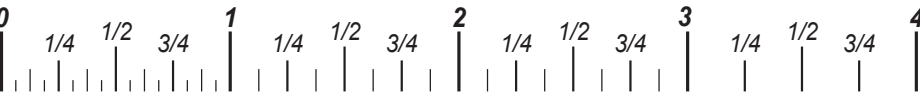
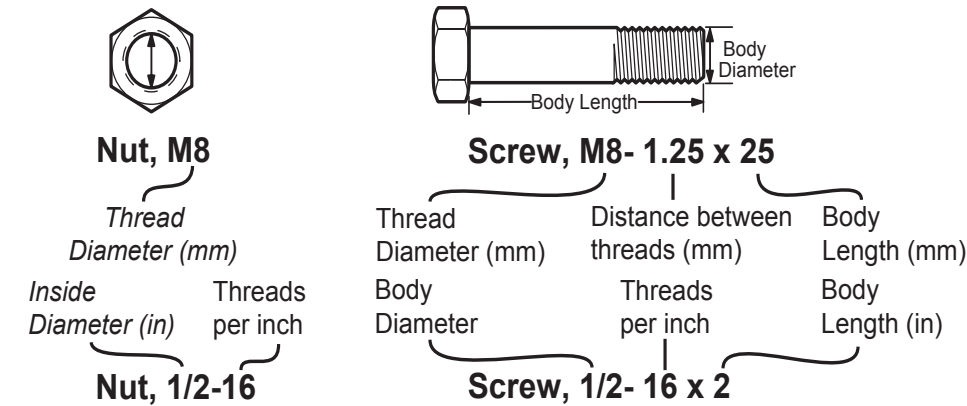
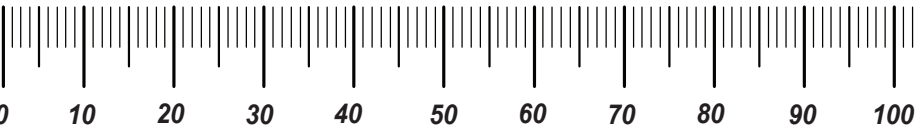
Wheel & Body Covering Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1755257YP	1	COVER, Top, Yellow
0020	1739599YP	1	COVER, Drive Case, Black
0030	1750777YP	1	CAPSCREW, Hex Washer Head, 1/4 x 20 x 2
0040	7091603SM	2	NUT, Nylock, 1/4
0050	1750444YP	2	SCREW, Hi-Low, 1/4-15 x 3/4
0060	1750447YP	6	SCREW, Hex Washer Head, Trilob, 1/4-20 x 1/2
0070	311237YP	2	WHEEL, 2 x 8, Plastic 1/2
0080	192050GS	2	E-RING, Axle, 1/2
0090	7025074SM	2	WASHER, Flat, 17/32 x 5/8
0100	1750638YP	2	CAPSCREW, Hex Washer Head, 10-24 x 3/4
0110	885118YP	2	NUT, U-Style Speed, #10
0120	1739752YP	1	COVER, Chute Moisture
0130	316042MA	1	SCREW, 10X.62 UNSL-HW
0140	1751540YP	2	HUBCAP
0150	7091003YP	1	BOLT
0160	7091294SM	1	WASHER, Flat, 1/4

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).

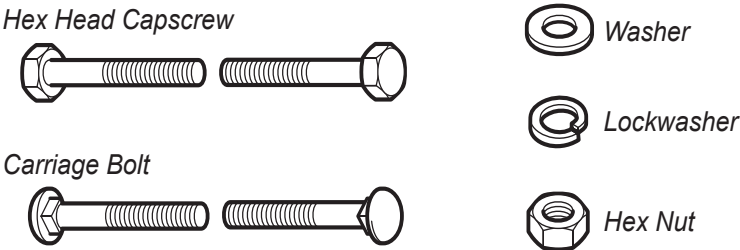
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

STIGA