



Parts Manual

Mfg. No: 1696000

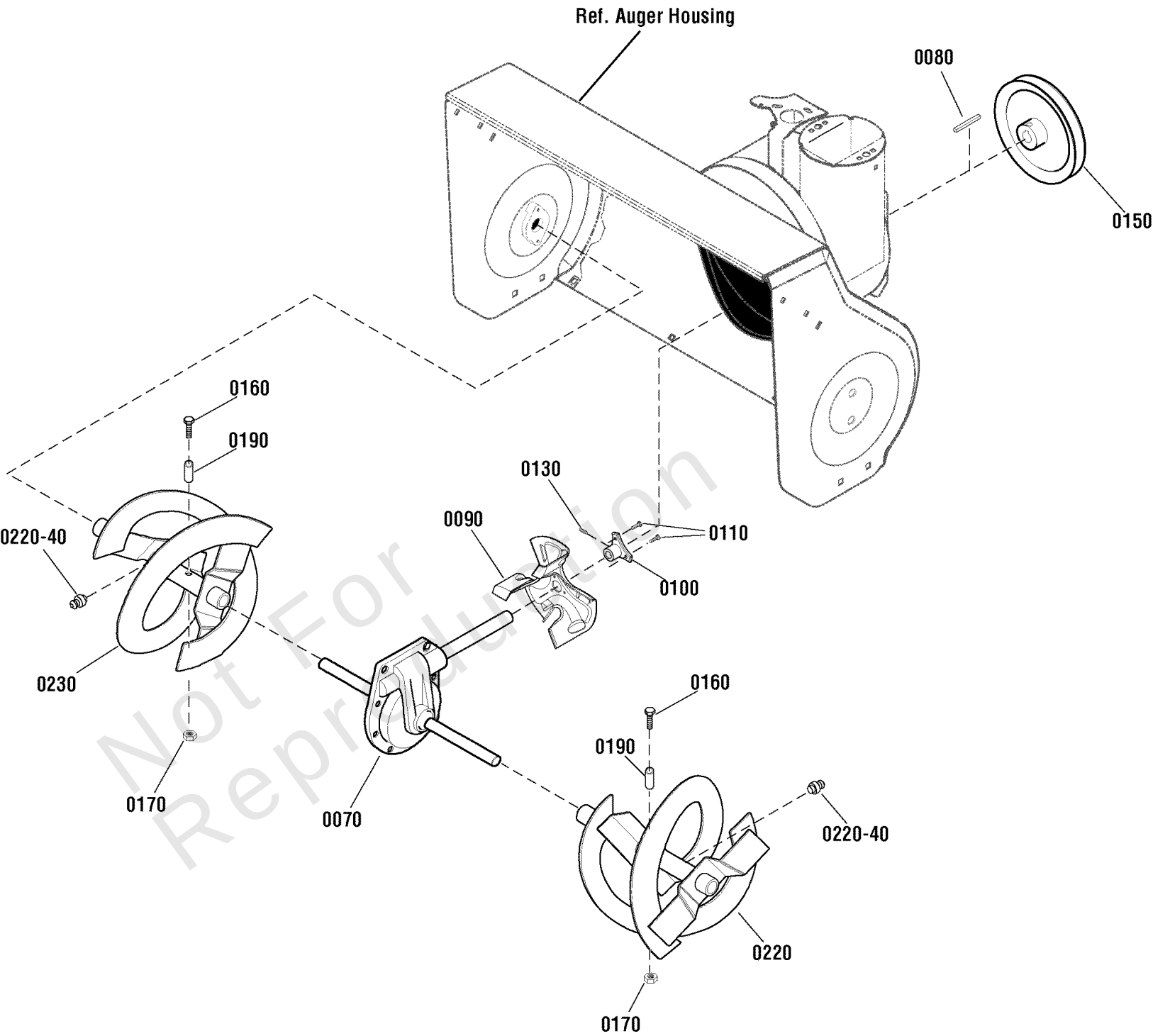
M924E, 24" 9TP Two Stage Intermediate
Snowthrower

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Not For
Reproduction

Auger Drive Group

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 1696000



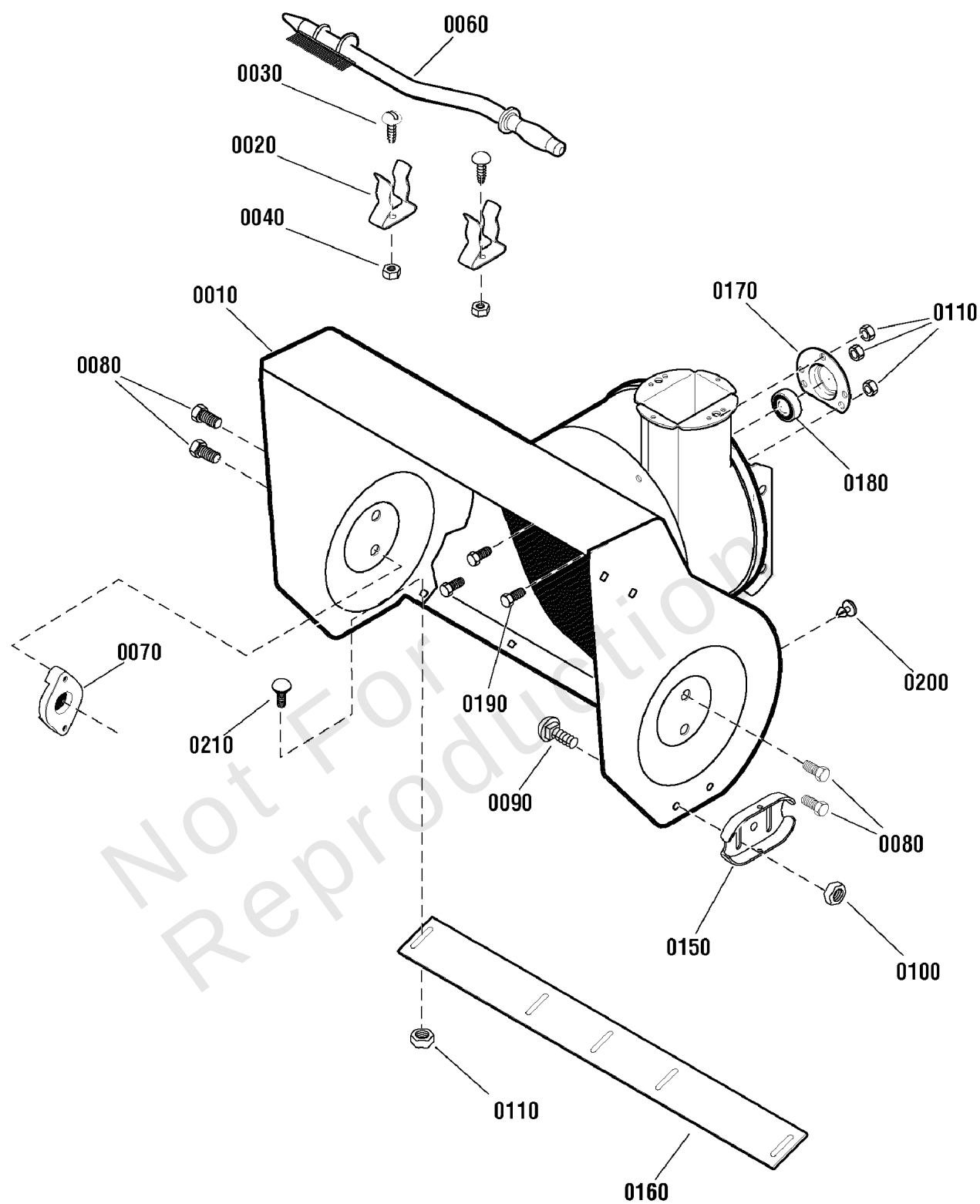
Auger Drive Group

REF NO	PART NO	QTY	DESCRIPTION
0070	1753072	1	GEAR CASE ASSEMBLY
0080	720650	1	KEY, Square
0090	1739094A	1	IMPELLER
0100	1739073	1	HUB, Impeller
0110	1930601	3	SCREW, Hex Washer Head, 5/16-18 x 5/8
0130	7090848	3	SET SCREW, Socket Head, 5/16-18 x 1/2
0150	722128	1	PULLEY
0160	726061	2	CAPSCREW, Hex Head, 1/4-20 x 1-3/4, G2
0170	725429	2	NUT, Hex Centerlock, 1/4-20
0190	723913	2	SPACER, Sleeve, 1/4 x 1/2
0220	1738299A	1	AUGER, LH, 24"
0230	1738300A	1	AUGER, RH, 24"
0220-40	721620	2	FITTING, Grease
--	722130	1	KIT, Shear Bolt

Auger Housing Group

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Mfg. No: 1696000



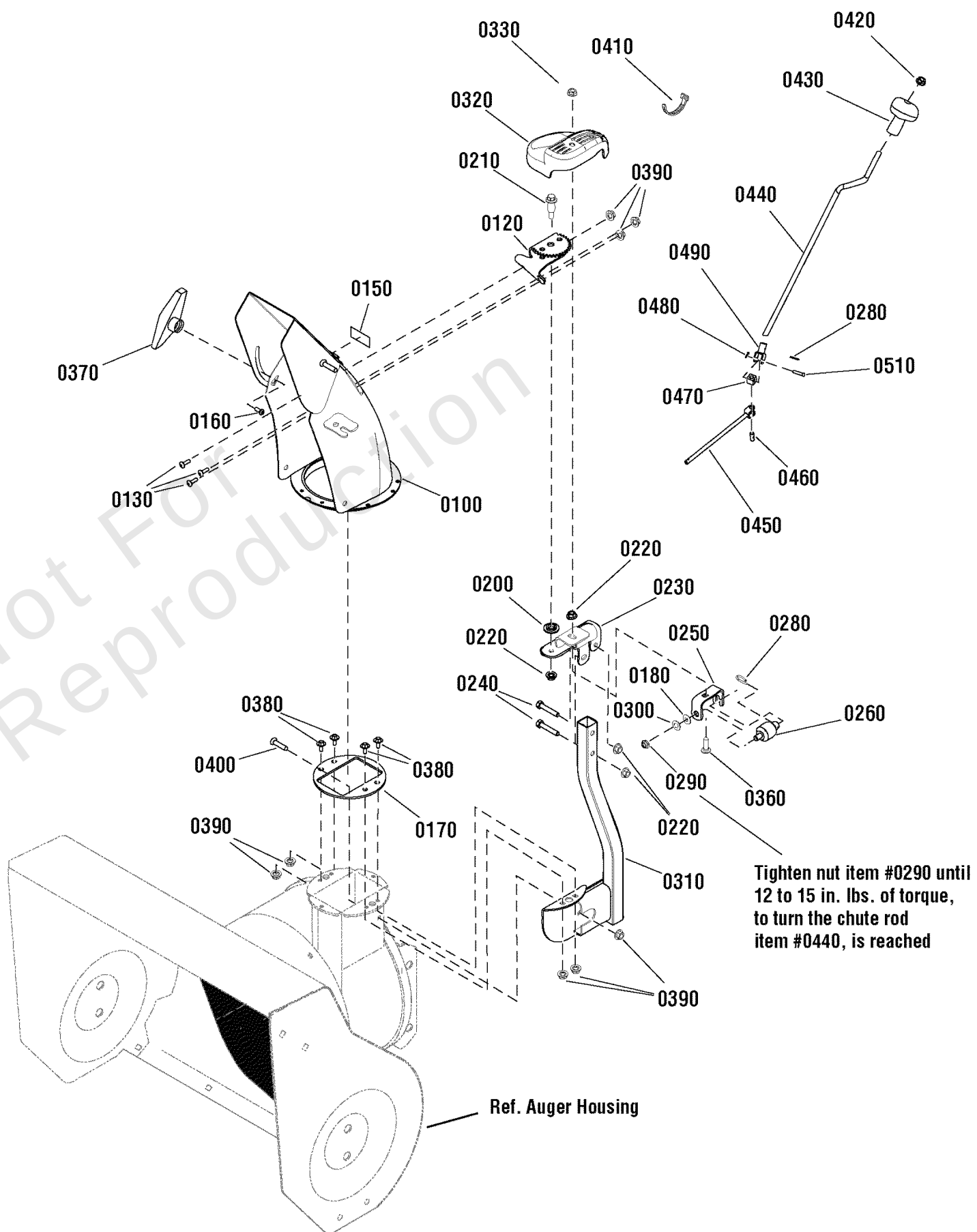
Auger Housing Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1687511	1	AUGER HOUSING ASSEMBLY, 24"
0020	1736620	2	CLIP, Retainer
0030	1960569	2	SCREW, Truss Head Torx, #10-24 x 3/8
0040	722401	2	NUT, Nylock, 10 x 26
0060	1736094	1	BRUSH, Cleanout
0070	724427	2	BEARING, Auger Shaft
0080	722839	4	CAPSCREW, Hex Head, 5/16-18 x 3/4
0090	7091547	4	BOLT, Carriage, 3/8-16 x 3/4, GR5
0100	7091619	4	NUT, Hex Flange, 3/8-16
0110	725273	7	NUT, Hex Flange, Serrated Lock, 5/16-18
0150	1727854A	2	SHOE, Skid, Reversible
0160	1738301A	1	BLADE, Scraper, 24"
0170	724712	1	RETAINER, Ball Bearing
0180	1705897	1	BEARING, Ball
0190	720018	3	BOLT, Hex, 5/16-18 x 5/8
0200	725521	2	PLUG, Panel
0210	7090799	4	BOLT, Carriage, 3/8-16 x 5/8, GR5

Chute & Rotation Group - Dash Mount Crank

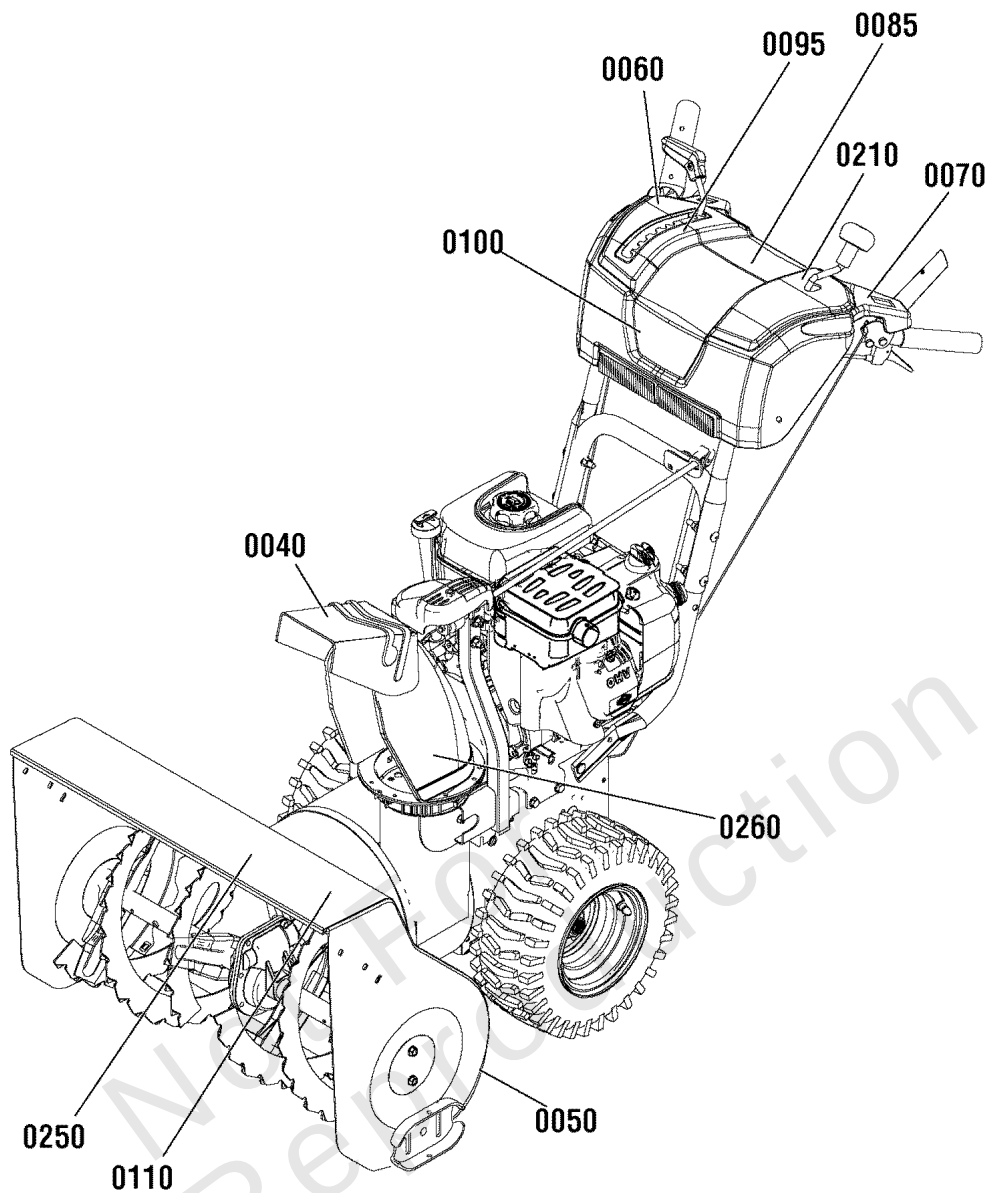
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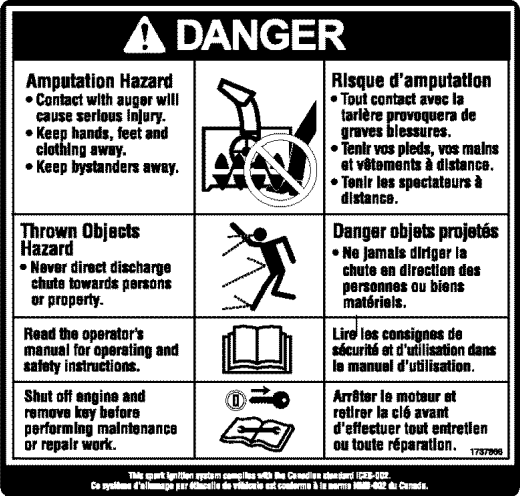


Chute & Rotation Group - Dash Mount Crank

REF NO	PART NO	QTY	DESCRIPTION
0100	1736379D	1	CHUTE ASSEMBLY, Red
0120	1736038	1	GEAR, Chute Support
0130	1960715	3	SCREW, Truss-Head, Torx, 1/4-20 x 3/4
0150	1738340	2	DECAL, Hinge
0160	720064	1	BOLT, Carriage, 5/16-18 x 1-1/2
0170	1735767	1	GUARD, Chute Ring
0180	2860210	2	WASHER, Nylon, 3/8
0200	1733026	1	WASHER, 1/2 x 1-1/8 OD
0210	1732412	1	BOLT, Shoulder, 5/16-18 X 5/8, G5
0220	1960684	4	NUT, Hex Keps Conical Washer, 5/16-18
0230	1734423A	1	SUPPORT, Gear Crank
0240	1922127	2	CAPSCREW, Hex-Head, 5/16-18 x 1-3/4, G5
0250	1738020	1	SUPPORT, Worm, Clear
0260	1734439	1	GEAR, Worm, Chute, L.H.
0280	722139	2	PIN, Hair, Chute Gear
0290	1960762	1	NUT, Locking, 3/8-24
0300	1734542	1	WASHER, Cup, 3/8
0310	1736195A	1	CHUTE SUPPORT ASSEMBLY
0320	1734442	1	COVER, Gear
0330	1935048	1	NUT, Hex-Flange, Locking, 5/16-18
0360	1931335	1	BOLT, Carriage, Short Neck, 5/16-18 x 1
0370	722136	1	KNOB, Wing 5/16-18
0380	95118	4	SCREW, Shoulder, Hex-Washer, 11/16
0390	5025391	8	NUT, Nylock, 1/4-20
0400	720386	1	BOLT, Carriage, 1/4-20 X 3/4
0410	7012080	2	TIE, Self-Locking
0420	1960093	1	PUSHNUT, 3/8 Dia.
0430	1714084	1	KNOB, Spinner, 3/8 ID, 2-3/16 OD, 2-1/2 Lg
0440	1735661	1	CRANK, Chute Hande
0450	1735660	1	ROD & YOKE ASSEMBLY
0460	724564	1	PIN, Universal Joint, 3/8 X 1
0470	724565	1	BLOCK, Universal Pivot
0480	724605	1	PIN, Cotter, 5/8 X 1/2
0490	1733611	1	YOKE TUBE ASSEMBLY, Chute
0510	724579	1	PIN, Clevis, 1/4 X 1-3/16



0040



0050



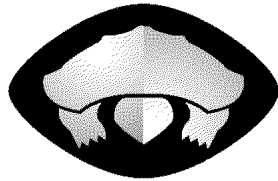
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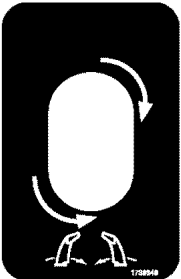
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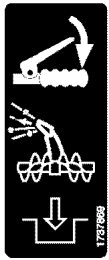
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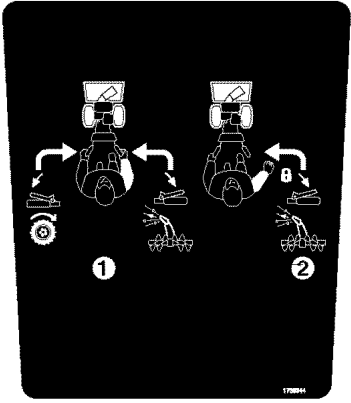
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0060



0070



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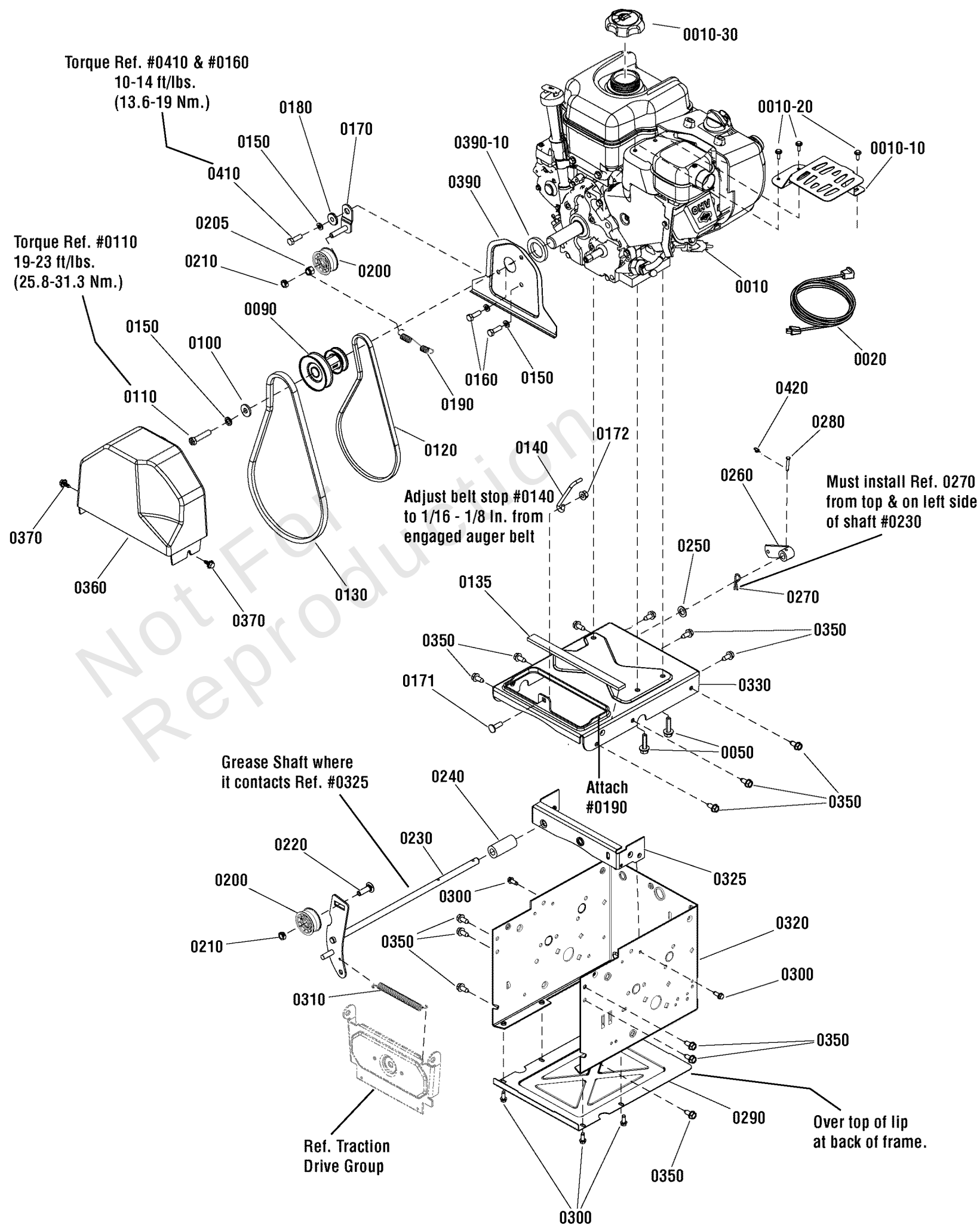
Decals Group

REF NO	PART NO	QTY	DESCRIPTION
0040	-----	1	DECAL, Danger Chute, FR/ENG
0050	1737866	1	DECAL, Danger Foot, FR/ENG
0060	1737869	1	DECAL, Auger Control Symbols
0070	1737870	1	DECAL, Traction Control Symbols
0085	1738344	1	DECAL, Free Hand Operation Panel
0095	1738349	1	DECAL, Speed Control
0100	1750407	1	DECAL, Logo, Panel
0110	1751401	1	DECAL, Logo, Auger Housing
0210	1738348	1	DECAL, Crank, Chute Rotation
0250	1750408	1	DECAL, Model
0260	1752570	2	DECAL, Turtle

Engine & Frame Group

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Engine & Frame Group

REF NO	PART NO	QTY	DESCRIPTION
0010	12D114-0149-E8	1	* ENGINE, 9TP Briggs & Stratton -(Engine Model: 12D114-0149-E8)
0010-10	797003	1	* GUARD, Muffler
0010-20	699854	2	* SCREW, Muffler Guard
0010-30	795027	1	* CAP, Fuel
0020	724865	1	CORD, Electric
0050	75246	4	SCREW, Hex Head, Trilobular, 3/8-16 x 1-1/4
0090	1739514	1	PULLEY
0100	1919381	1	WASHER, 5/16
0110	722041	1	CAPSCREW, Hex Head, 5/16-24, 1-3/4, G5
0120	1733324	1	V-BELT, Traction Drive, 3L, 33.13
0130	724801	1	BELT, Auger Drive, V4L 38.10
0135	1750314	1	SEAL, Strip
0140	1737377	1	STOP, Belt
0150	1917356	4	LOCKWASHER, Spring, 5/16 -(Qty 3 used on 14.5TP models)
0160	1921515	2	CAPSCREW, Hex Head, 5/16-24 x 3/4, G5
0170	1739846	1	BRACKET, Idler
0171	1931335	1	BOLT, Carriage, Short Neck, 5/16-18 x 1
0172	1960684	1	NUT, Hex Keps Conical Washer, 5/16-18
0180	-----	1	BUSHING, Idler Bracket
0190	722457	1	SPRING, Extension, Idler
0200	722378	2	IDLER
0205	7091299	1	NUT, Hex Nylock, 3/8-16
0210	1960251	2	NUT, Hex Centerlock Jam, 3/8-16
0220	724823	1	BOLT, Carriage, Short Neck, 3/8-16 x 1-1/2, G5
0230	1739574	1	IDLER, Auger
0240	1739964	1	SPACER, Auger Bracket
0250	80003590	1	WASHER, 1/2
0260	1733451	1	ARM, Control
0270	725367	1	PIN, Hair
0280	1736381	1	PIN, Clevis
0290	1737221A	1	PANEL, Bottom
0300	1927429	6	SCREW, Hex Washer Head, Taptite, 1/4-20 x 5/8
0310	722455	1	SPRING, Extension, Auger
0320	1739107D	1	FRAME
0325	1739093A	1	ANGLE, Auger & Traction Rod Mounting
0330	1739450D	1	PLATE, Engine
0350	1664847	15	SCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0360	1750551	1	COVER, Belt
0370	1751355	2	SCREW, Hex Washer Head, Tap, SEMS, 1/4-20 x 3/4
0390	1733868A	1	PLATE, Seal -(Used on 11.5TP Models)
0390-10	1733898	1	SEAL, Foam -(Used on 11.5TP Models)
0410	725996	1	BOLT, Hex, 5/16-24 x 1
0420	7023590	1	PIN, Cotter, Self Locking, 1/4"

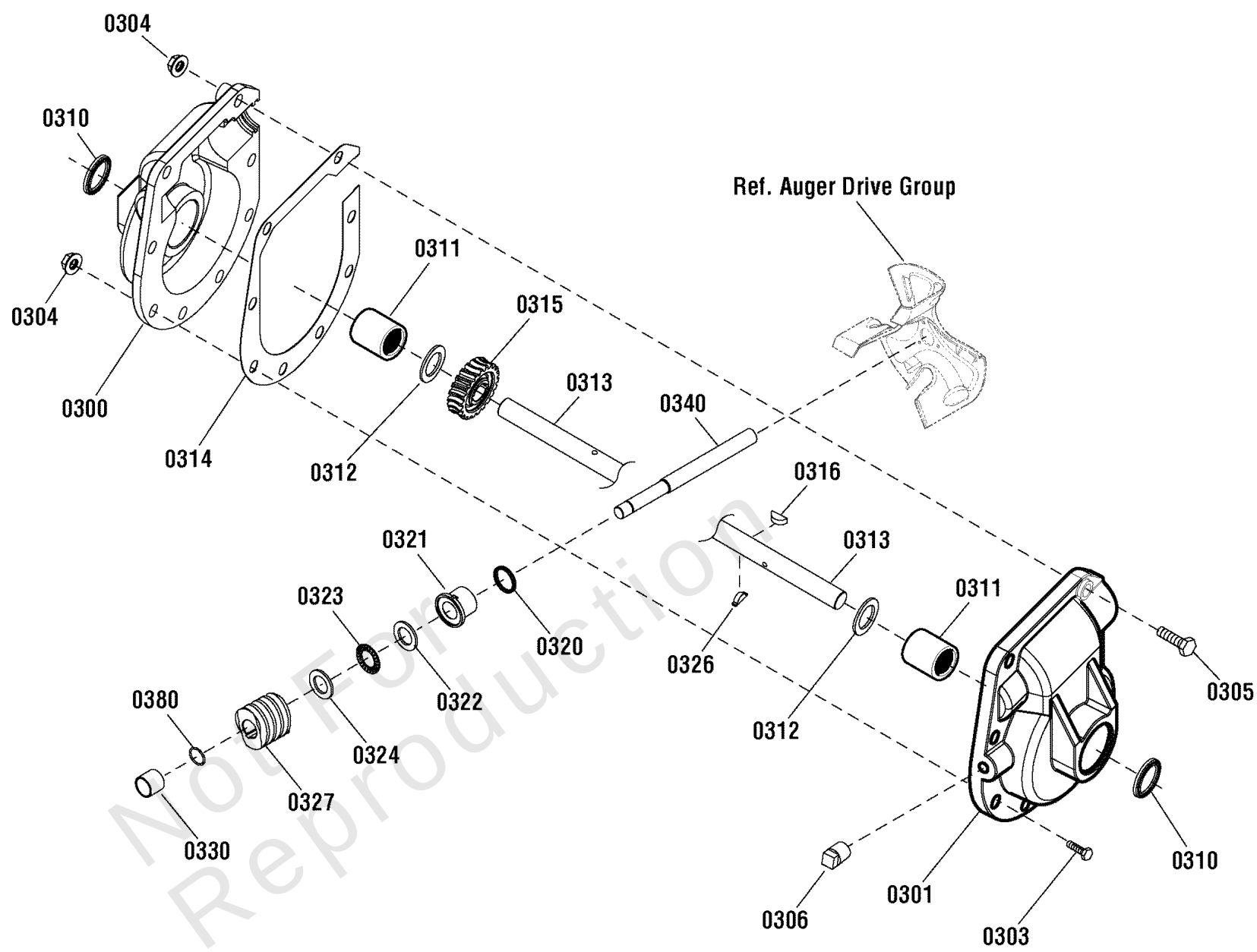
Footnotes:

Note* See your local Briggs & Stratton Distributor for Parts & Service.

Gear Case Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1696000



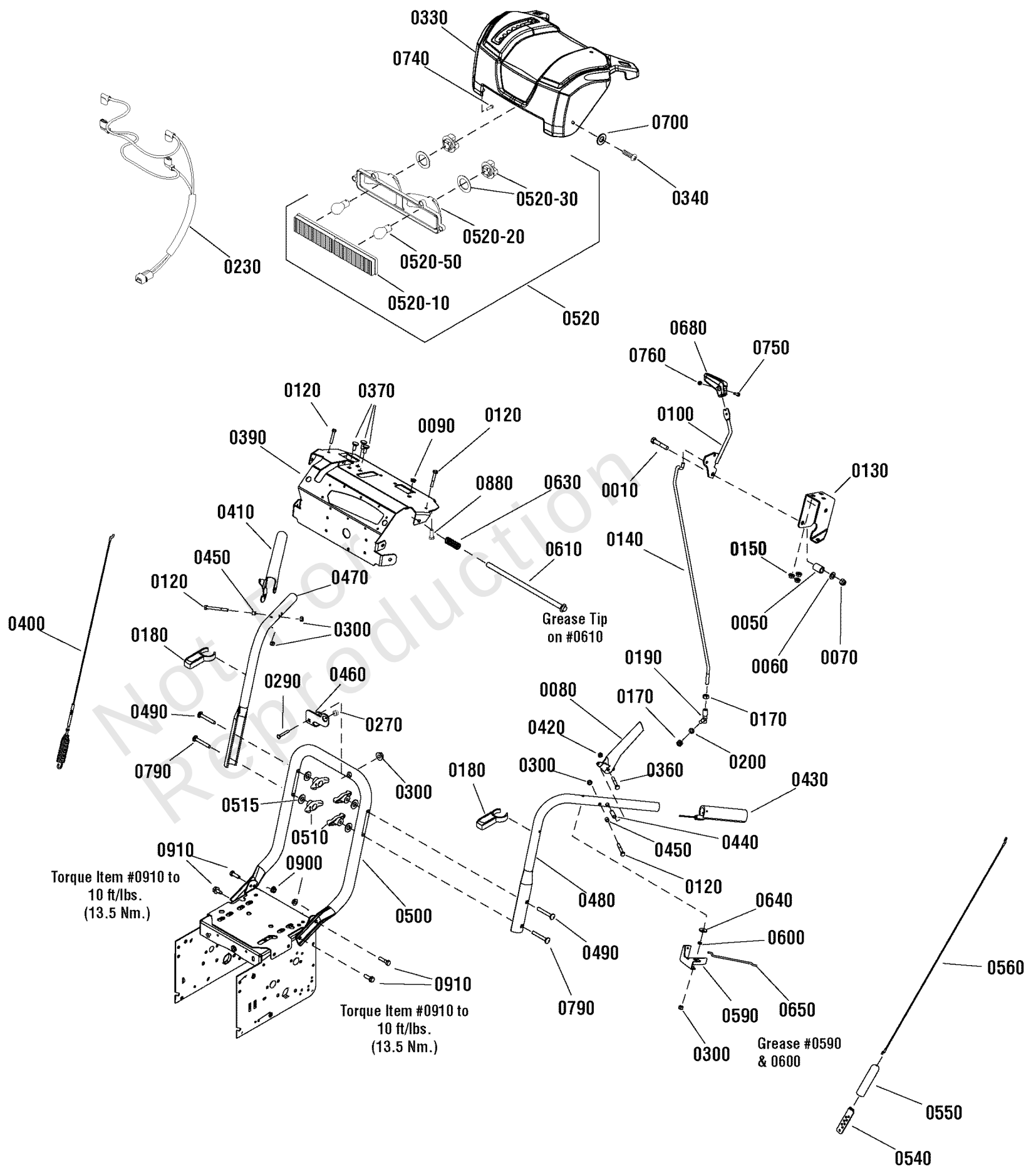
Gear Case Assembly

REF NO	PART NO	QTY	DESCRIPTION
0300	725982	1	CASE, Gear, RH
0301	725981	1	CASE, Gear, LH
0303	725996	7	CAPSCREW, Hex, 5/16-24 X 1
0304	725338	8	NUT, Hex Flange, Serrated, 5/16-24
0305	723575	1	CAPSCREW, Hex Head, 5/16-24 x 1-1/2
0306	724426	1	PLUG, Pipe, 1/4-18
0310	725874	2	SEAL, Oil
0311	724424	2	BEARING, Sleeve, 1 x 1-1/4 x 1
0312	724425	2	WASHER, Flat, 1
0313	1739058	1	SHAFT, Auger Out
0314	725983	1	GASKET
0315	1752500	1	GEAR, Worm
0316	725433	1	KEY, Woodruf
0320	724423	1	RING, Quad
0321	724729	1	BEARING, Flange, 3/4ID x 1-1/8 OD
0322	724079	1	WASHER, Thrust
0323	724352	1	BEARING, Roll Thrust, 3/4 ID x 1-1/4 OD
0324	724079	1	WASHER, Thrust
0326	724366	1	KEY, Hi-Pro
0327	724421	1	WORMGEAR
0330	724420	1	BEARING, Sleeve, 3/4 ID x 7/8 OD
0340	1751535	1	SHAFT, Impeller
0380	1752515	1	RING, Retaining, 3/4"

Handles & Controls Group

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Handles & Controls Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1923701	1	CAPSCREW, Hex Head, 3/8-16 x 2, G5
0050	-----	1	SPRING, 3/4
0060	1918266	1	WASHER, 3/8
0070	1919439	1	NUT, Hex Lock, ESNA Light, 3/8-16
0080	1739782A	1	LEVER, Clutch, LH
0090	1667588	1	BUSHING
0100	1736836	1	LEVER, Speed
0120	1921962	4	CAPSCREW, Hex Head, 1/4-20 x 1-3/4, G5
0130	1737684	1	BRACKET, Controls
0140	1751543	1	ROD, Speed Control
0150	1931277	3	NUT, Hex Flange, Whiz Lock, 5/16-18
0170	2820263	1	NUT, Hex, 5/16-24
0180	1739487	2	BRACKET, Mounting
0190	724360	1	BALLJOINT
0200	1917356	1	LOCKWASHER, Spring, 5/16
0230	1738286	1	WIRING HARNESS, Headlights
0270	722323	1	BUSHING, Chute Crank
0290	1931323	1	BOLT, Carriage, Short Neck, 1/4-20 x 2, G5
0300	1920397	5	NUT, Hex Lock, ESNA Light, 1/4-20
0330	1738324	1	DASH
0340	1960001	2	SCREW, Hex Washer Head, Plastite, 10-14 x 5/8
0360	1750554	2	BOLT, Shoulder, 10-24
0370	723873	3	BOLT, Carriage, Short Neck, 5/16-18 x 3/4
0390	1739500BZ	1	SUPPORT, Dash
0400	1737544	1	CABLE, Auger Drive
0410	1739783A	1	LEVER, Clutch, RH
0420	1933896	2	NUT, Hex Lock, Nylon Insert, 10-24
0430	1726317	2	GRIP
0440	1736542	2	SPACER, Stepped
0450	1678392	2	SPACER, 1/4 ID x 3/8 OD x 5/16"
0460	1735589	1	BRACKET, Rod Support
0470	1734587A	1	HANDLE, Upper, RH
0480	1734586A	1	HANDLE, Upper, LH
0490	1750299	2	BOLT, Carriage, Curved Head, 5/16-18 x 2-1/4
0500	1737274A	1	HANDLE, Lower
0510	7035744	4	KNOB, Wing, 5/16-18
0515	7090391	4	WASHER, Internal Tooth, 5/16
0520	1736176	1	HEADLIGHT ASSEMBLY
0520-10	-----	1	LENS, Twin Light -(Included in Ref. No 0520)
0520-20	-----	1	DEFLECTOR, Twin Light -(Included in Ref. No 0520)
0520-30	1736180	2	SOCKET & GASKET ASSEMBLY, Headlight -(Included in Ref. No 0520)
0520-50	-----	2	* BULB, 12V - 20W Halogen -(Included in Ref. No 0520)
0540	723259	1	BRACKET, Cable Adjusting
0550	723154	1	BOOT, Spring End Cover
0560	727331	1	CABLE, Forward Drive

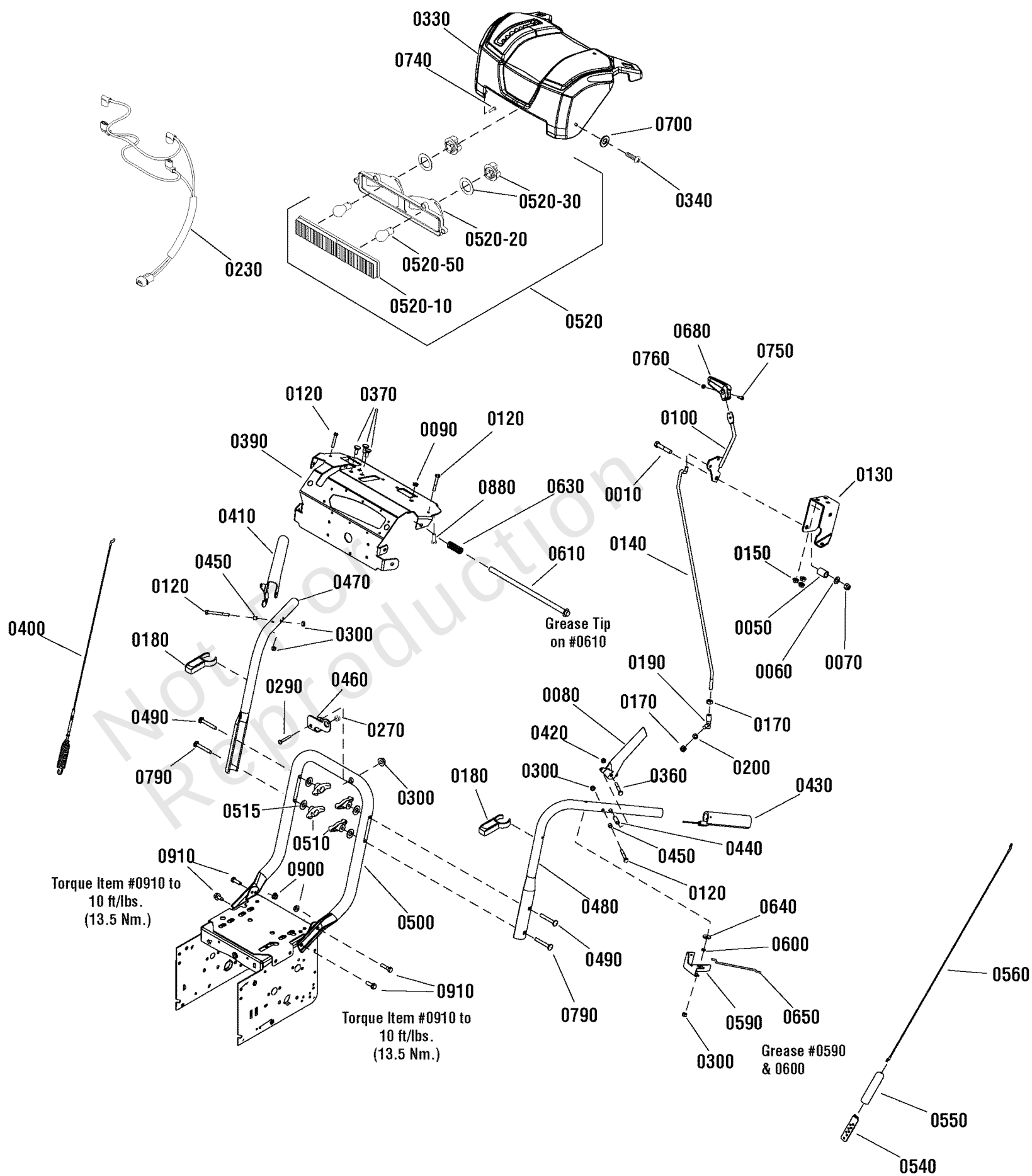
Footnotes:

Note* See your local hardware store for replacement bulbs.

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
0590	1733505A	1	BRACKET, Pivot, Free Hand
0600	1733095	1	SPACER, 1/4 ID x 3/8 OD x 1/8"
0610	-----	1	ROD & SPRING ASSEMBLY
0630	-----	1	SPRING, Compression, 2-1/4"
0640	1960353	1	WASHER, 1/4
0650	1736360	1	ROD, Hold Down
0680	1733192	1	KNOB, Slot Speed
0700	1921319	2	WASHER, 1/4
0740	7091105	4	SCREW, Hex Washer Head, #10-16 x 1/2
0750	1960589	1	SCREW, Phillips Head, #10-24 x 3/4
0760	1933896	1	NUT, Hex Lock, Nylon Insert, 10-24
0790	7091189	2	BOLT, Carriage, Curved Head, 5/16-18 x 2
0880	7091081	2	SCREW, 1/4-15X3/4, Self-Tapping, BZ
0900	1960684	4	NUT, Hex Keps Conical Washer, 5/16-18
0910	723873	4	BOLT, Carriage, Short Neck, 5/16-18 x 3/4

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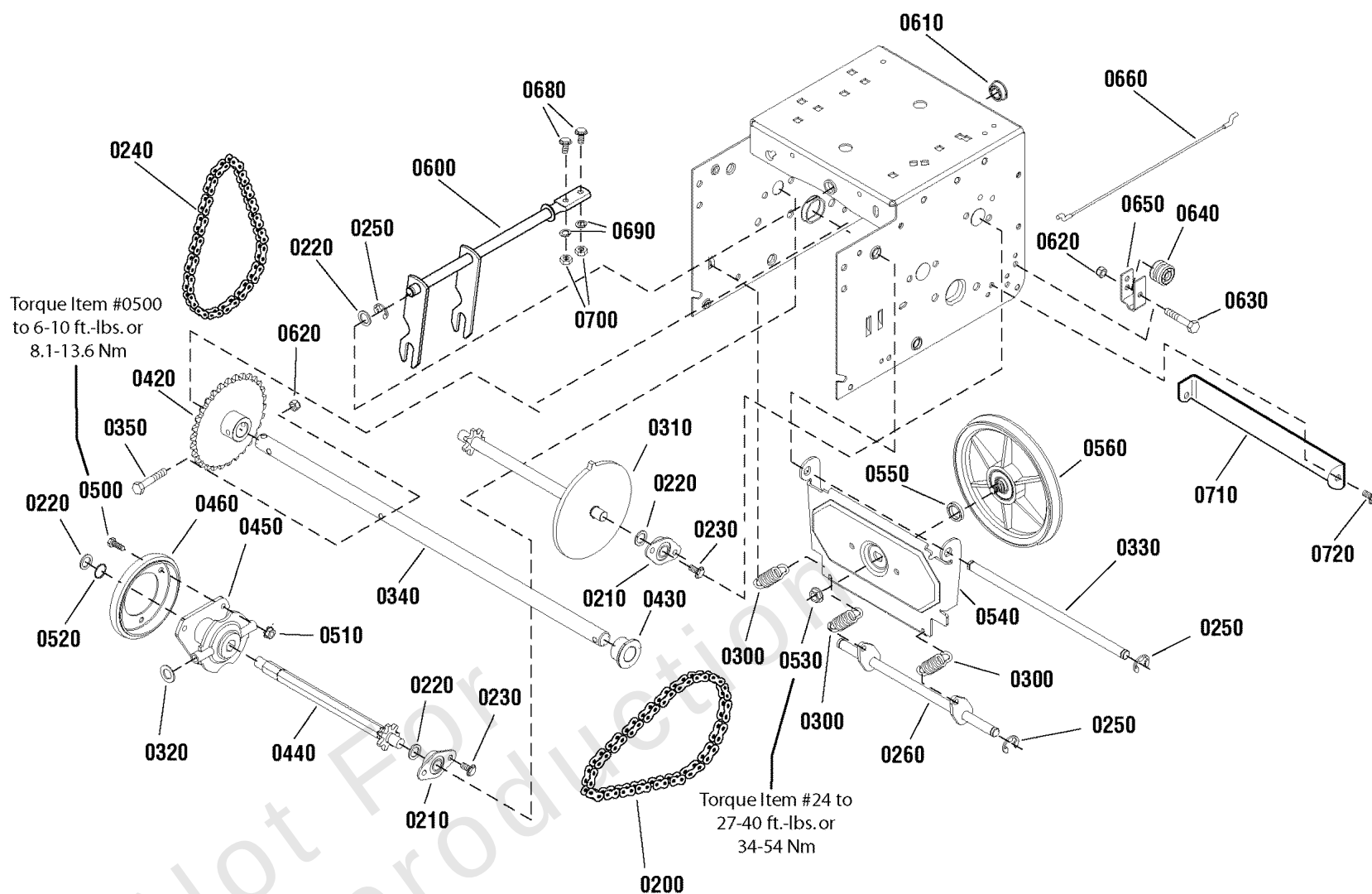
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Traction Drive Group - Standard

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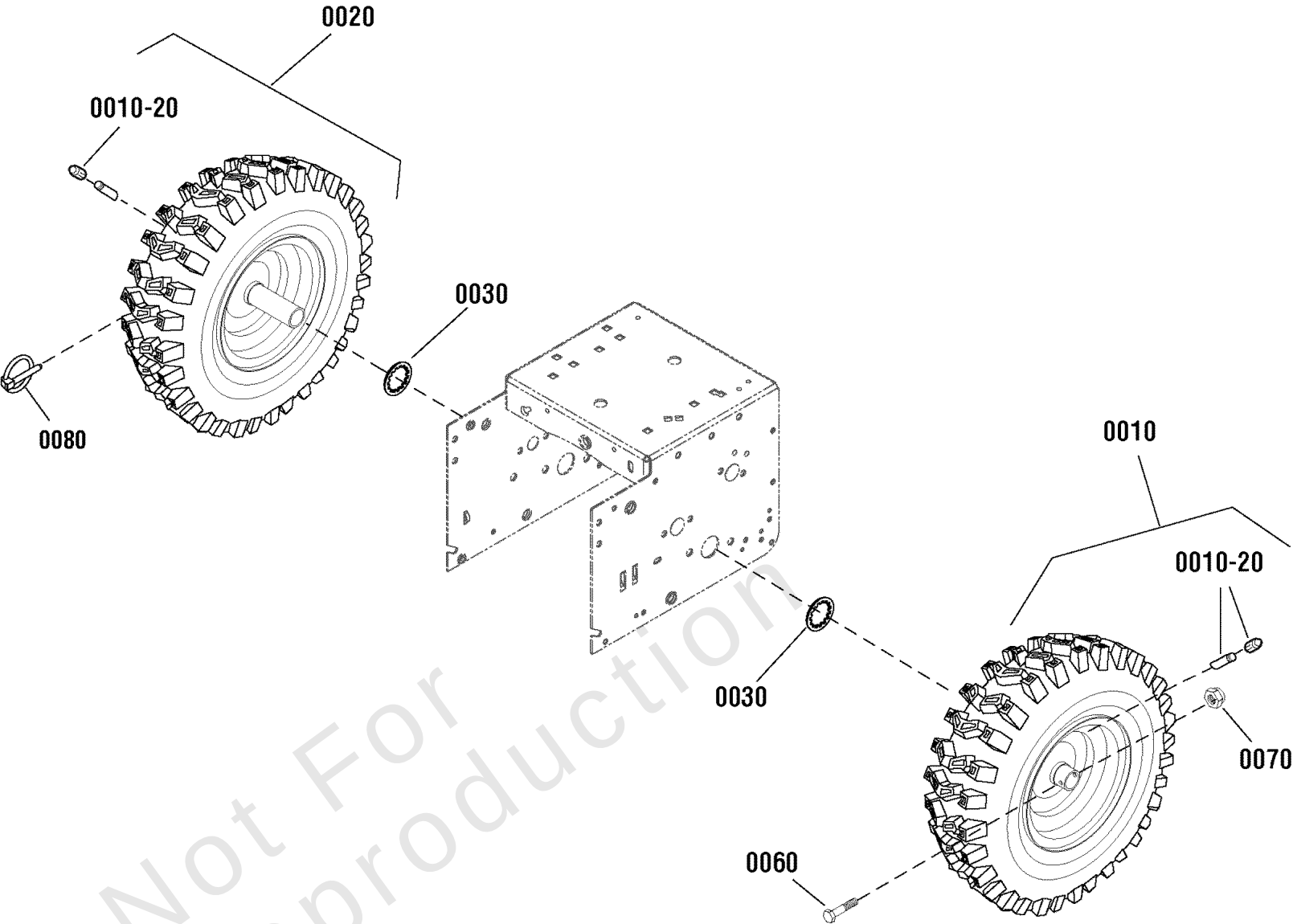
Traction Drive Group - Standard

REF NO	PART NO	QTY	DESCRIPTION
0200	579851MA	1	CHAIN, Roller, 19"
0210	334163MA	4	RETAINER & BUSHING ASSEMBLY
0220	579858MA	5	WASHER, Flat, 1/2
0230	1924856SM	8	SCREW, Hex Washer Head, Taptite, 5/16-18 x 1/2
0240	579868MA	1	CHAIN, Roller, 18 Inch
0250	11X30MA	5	RETAINER, Ring, 7/16
0260	1502105YZMA	1	SPRING LINK
0300	1736469YP	3	SPRING, Extension
0310	1501090MA	1	SPROCKET
0320	1960027SM	2	WASHER, 1/2
0330	1501092YZMA	1	AXLE, Swing Plate
0340	1501563MA	1	AXLE, 23-1/8 Lg
0350	01X193MA	1	BOLT, Hex, 1/4-20 x 1-3/4, G8
0420	1501089MA	1	AXLE SPROCKET, 30T
0430	1501114MA	2	BEARING, Axle, D-Hole
0440	1501100MA	1	HEX SHAFT & SPROCKET ASSEMBLY
0450	1739282YP	1	HUB, Friction Wheel and Bearing
0460	1501435MA	1	WHEEL, Friction
0500	1921959SM	3	CAPSCREW, Hex Head, 1/4-20 x 5/8 G5
0510	1928372SM	3	NUT, Hex Keps, 1/4-20
0520	1733326SM	1	RING, Retaining, .638" OD
0530	15X114MA	1	NUT, Flange Lock, 3/8-24
0540	1501057YZMA	1	PLATE, Swinging
0550	1501158MA	1	SPACER, Friction Pulley
0560	1501115MA	1	FRICITION PULLEY ASSEMBLY
0600	1501110YZMA	1	SPEED SELECTOR ASSEMBLY
0610	579944MA	1	BEARING, Flange, 1/2ID x 7/8OD
0620	1920397SM	2	NUT, Hex Lock, ESNA Light, 1/4-20
0630	1922837SM	1	CAPSCREW, Hex Head, 1/4-20 x 1-1/2 G5
0640	579860MA	1	CABLE SPOOL, Auger Control
0650	1750398YP	1	BRACKET, Cable Spool
0660	1750403YP	1	CABLE, Front Lower Drive
0680	001X38MA	2	BOLT, Hex, 1/4-20 x 5/8
0690	7091576SM	2	NUT, Hex, 1/4-20, G5
0700	1916964SM	2	LOCKWASHER, Spring, 1/4
0710	1502030YZMA	1	BRACKET, Support
0720	1927429SM	2	SCREW, Hex Washer Head, Taptite, 1/4-20 x 5/8

Wheel & Tire Group

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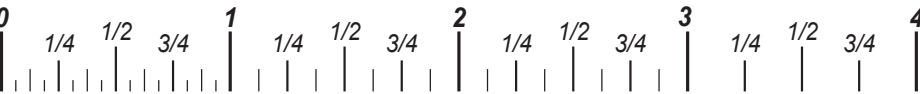
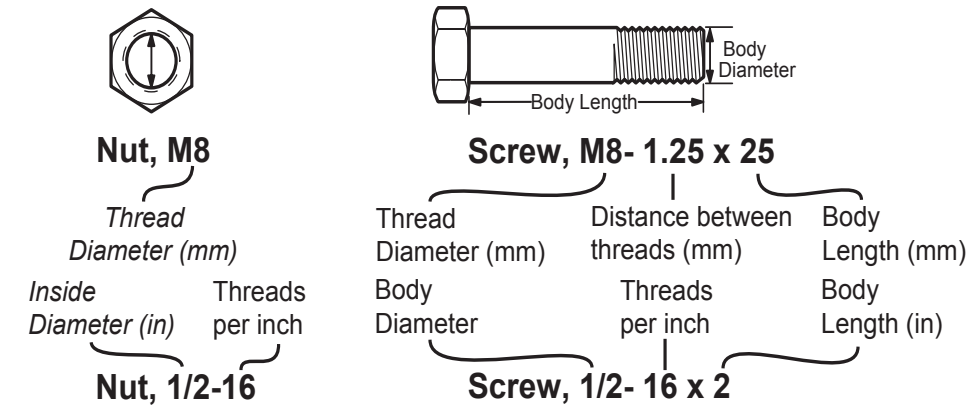
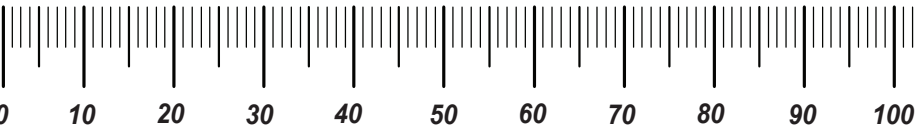
Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1739926	1	WHEEL & TIRE ASSEMBLY, 16 x 4.8, LH -(Includes Ref. No. 0010-20)
0020	1739927	1	WHEEL & TIRE ASSEMBLY, 16 x 4.8, RH -(Includes Ref. No. 0010-20)
0010-20	2172353	2	VALVE STEM & CAP
0030	1657528	2	RING, Retaining, Self Lock, #75, 3/4
0060	724545	1	CAPSCREW, Hex Head, 1/4-20 x 1-3/4
0070	722400	1	NUT, Hex Nylock, 1/4-20
0080	725431	1	PIN, Klik, 1/4 x 1-3/8

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).

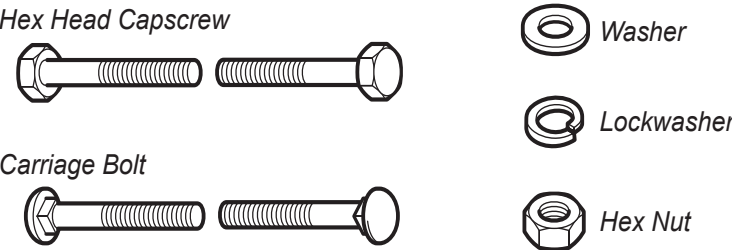
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

