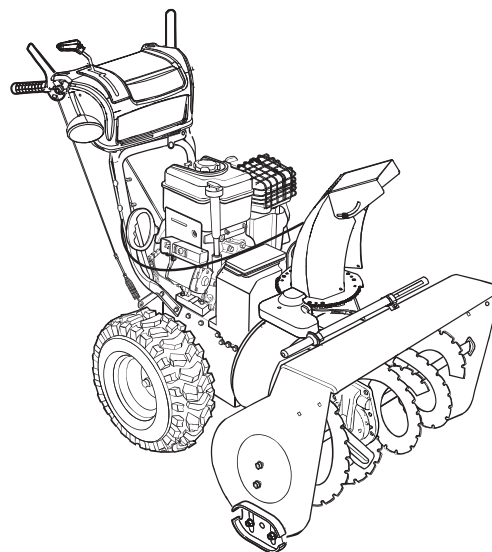




Parts Manual



Large Frame Dual Stage Snowthrower

Attachment

Mfg. No.	Description
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1696203-00	(SIH1226E), 11.5TP 26" Dual Stage Snowthrower (CE/Export)
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Manual Part No. 1755984

Revision -

Rev. Date: 10/1/2012

Not for
Reproduction

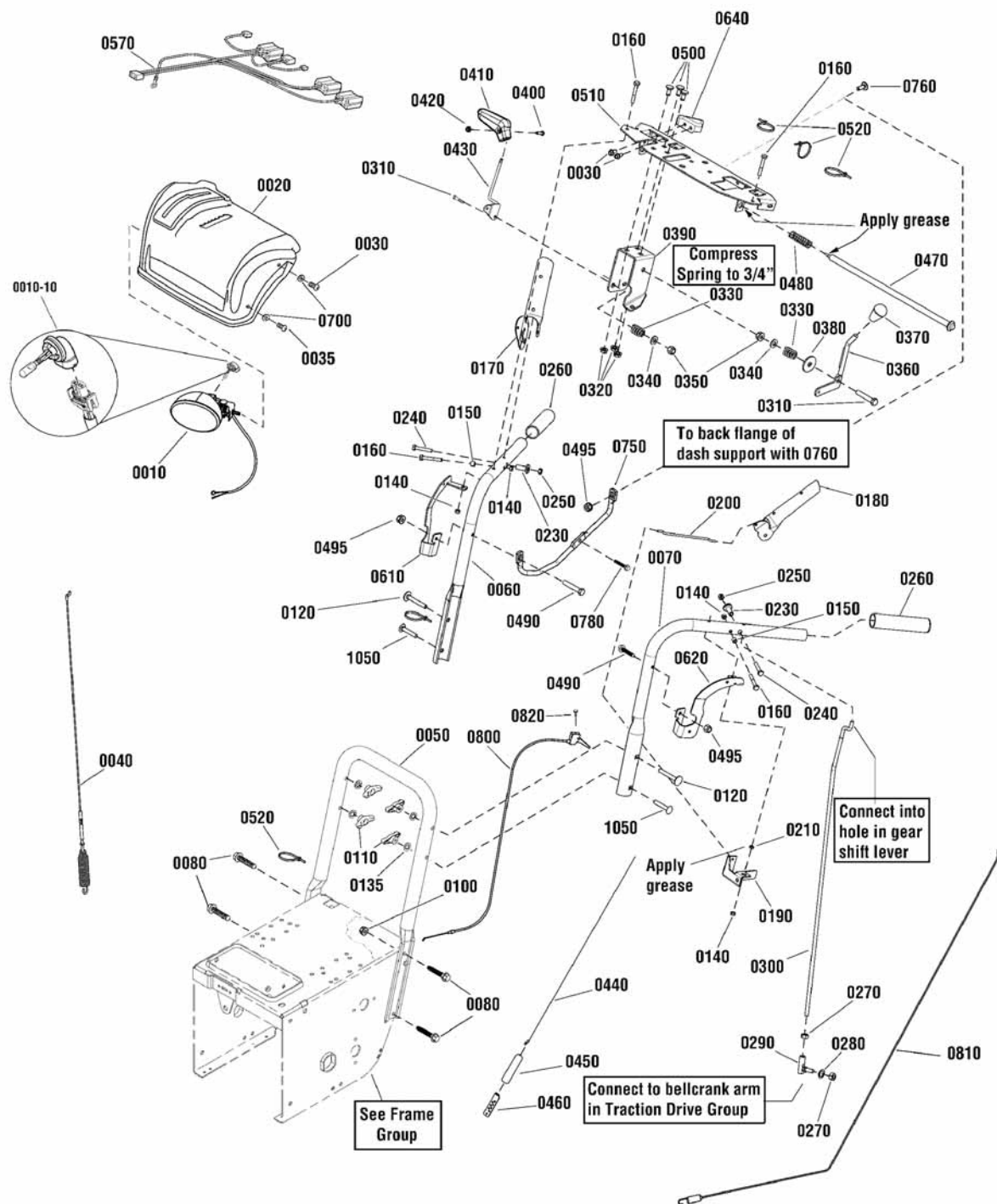
PRODUCT COMPONENTS	PAGES
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Not for
Reproduction

Handles & Controls Group - Remote

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2990788



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Handles & Controls Group - Remote

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1737965YP	1	HEADLIGHT, Oval (Includes Ref. No. 0010-10)
0010-10	-----	1	* BULB, Headlight, Halogen, 881-12V 27W
0020	1750683CYP	1	COVER, Panel
0030	1960556SM	6	SCREW, Pan Head Torx, 1/4-20 x 3/4
0040	703221	1	CABLE & SPRING ASSEMBLY
0050	1737274AYP	1	HANDLE, Lower
0060	1734587ASM	1	HANDLE, Upper, RH
0070	1734586ASM	1	HANDLE, Upper, LH
0080	1737687YP	4	BOLT, Carriage, FH, 5/16-18 x 3/4, G5
0100	703222	4	NUT, Hex KEPS, 5/16-18
0110	703065	4	KNOB, Wing, 5/16-18
0120	703168	2	BOLT, Carriage, Curved Head, 5/16-18 x 2-1/4
0135	7030391SM	4	WASHER, Internal Lock, 5/16
0140	703232	4	NUT, Nylock, 1/4-20
0150	703137	2	SPACER, 1/4 ID x 3/8OD x .330"
0160	7091003YP	4	CAPSCREW, Hex Head, 1/4-20 x 1-3/4, G5
0170	1739783AYP	1	LEVER, Clutch, RH
0180	1739782AYP	1	LEVER, Clutch, LH
0190	1733505BMYP	1	BRACKET, Pivot, Free Hand
0200	1736360YP	1	ROD, Hold Down
0210	703124	1	SPACER, 1/4 x .118, G5
0230	703223	2	SPACER, Stepped
0240	1753529YP	2	SCREW, Hex Washer Head, Shoulder 1/4-20
0250	15X146MA	2	NUT, Nylock, #10-24
0260	1726317SM	2	GRIP
0270	703331	1	NUT, 5/16-24, GR5
0280	703116	1	LOCKWASHER, Split, 5/16
0290	703224	1	BALL JOINT
0300	1751543YP	1	ROD, Speed Control, 25.5"
0310	1923701SM	2	CAPSCREW, Hex Head, 3/8-16 x 2, G5
0320	015X79MA	3	NUT, Flange, 5/16-18, G5
0330	50786MA	2	SPRING, 3/4"
0340	1918266SM	2	WASHER, 3/8
0350	1919439SM	2	NUT, Hex Lock, ESNA, 3/8-16
0360	1736192YP	1	LEVER, Deflector Control
0370	1732470SM	1	KNOB, 3/8-16
0380	7014527YP	1	SPACER, 5/8 OD x .380 ID x 1/4"
0390	1737684YP	1	BRACKET, Controls
0400	1960589SM	1	SCREW, Phillips, #10-24 x 3/4
0410	1733192SM	1	KNOB, Speed

Footnotes

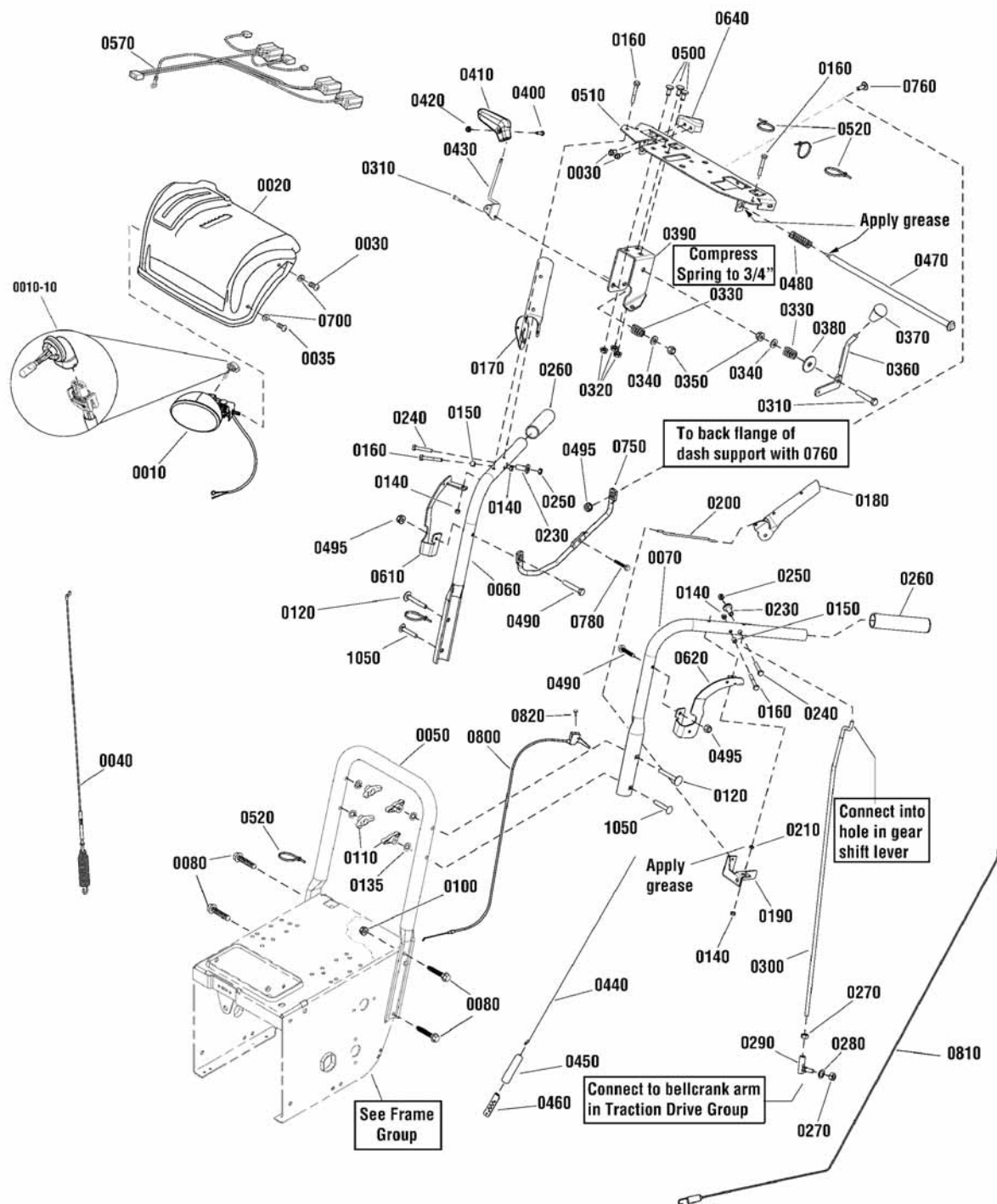
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Handles & Controls Group - Remote

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2990788



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Handles & Controls Group - Remote

REF NO	PART NO.	QTY.	DESCRIPTION
0420	15X146MA	1	NUT, Nylock, #10-24
0430	703047	1	LEVER, Speed
0440	1502113MA	1	CABLE, Drive
0450	308146MA	1	BOOT, Spring End Cover
0460	313441MA	1	BRACKET, Cable Adjuster
0470	1736363YP	1	ROD & SPRING ASSEMBLY
0480	2108360SM	1	SPRING, Compression, 2-1/4"
0490	703054	3	CAPSCREW, Hex Head, 1/4-20 x 5/8
0495	5025391SM	1	NUT, Flange Nylock, 1/4-20, G5
0500	703225	3	BOLT, Carriage, 5/16-18 x 3/4, G5
0510	1739500BMYP	1	SUPPORT, Dash
0520	1701011SM	5	CABLE TIE
0570	1755059YP	1	HARNESS, Wiring
0610	1750522BMYP	1	BRACKET, Mounting, RH
0620	1750522BMYP	1	BRACKET, Mounting, LH
0640	1739483AYP	1	POD, Chute Rotation
0700	703332	3	WASHER, Flat, 1/4
0780	1925592SM	1	SCREW, Hex Washer Head, Taptite, 1/4-20 x 3/4
0820	703134	2	BOLT, Oval Head, 10-24 x 1-1/2
1050	703059	2	BOLT, Carriage, 5/16-18 x 2

Footnotes

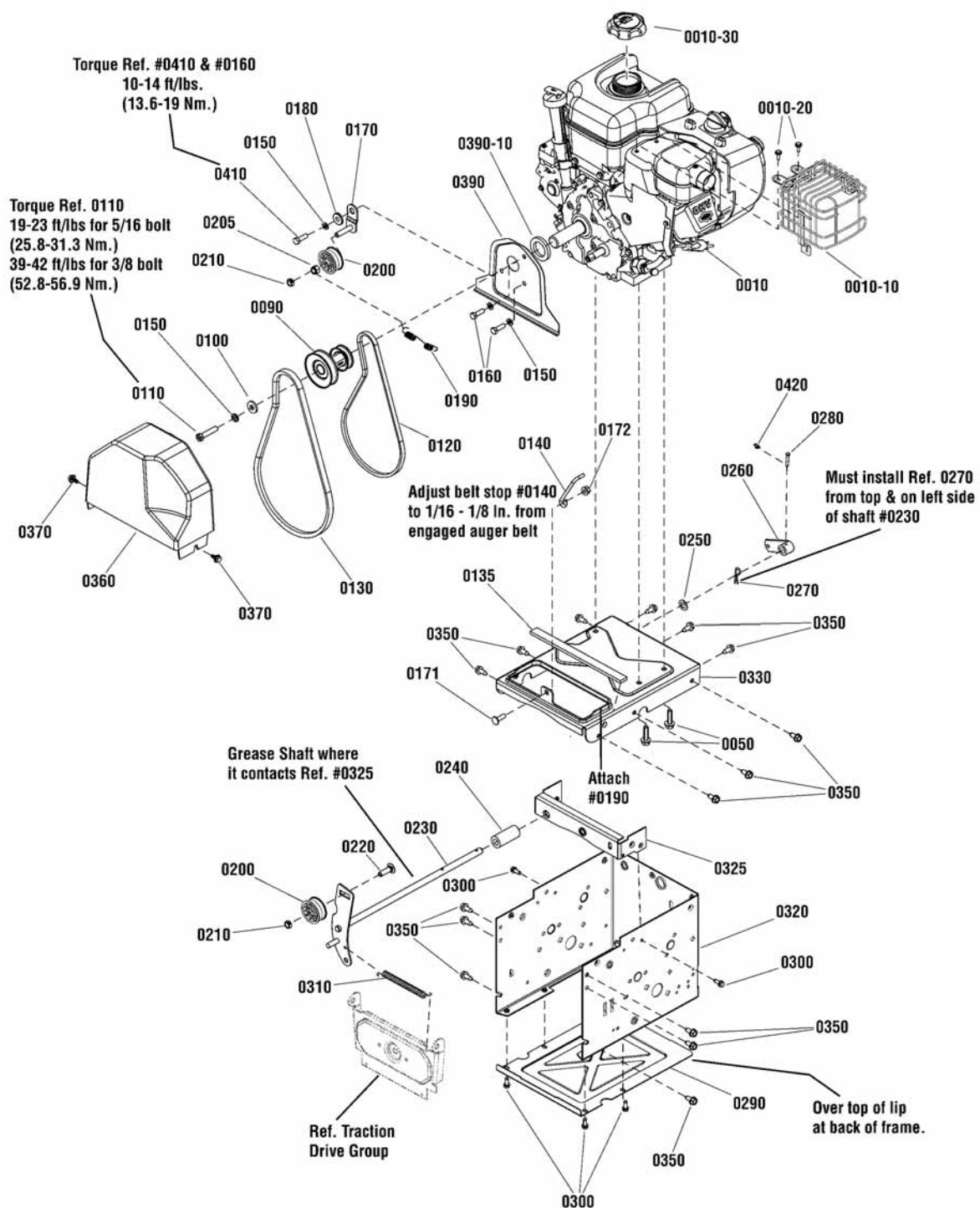
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Engine & Frame Group - 11.5TP

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2990493



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Engine & Frame Group - 11.5TP

REF NO	PART NO.	QTY.	DESCRIPTION
0010	15C107-0170-F81		* ENGINE, Briggs & Stratton 1150 SERIES (Engine Model: 15C107-0170-F8)
0010-10	793193	1	* GUARD, Muffler
0010-20	699854	2	* SCREW, Muffler Guard
0010-30	795027	1	* CAP, Fuel
0050	75246GS	4	SCREW, Hex Head, Trilobular, 3/8-16 x 1-1/4
0090	1739514YP	1	PULLEY
0100	703298	3	WASHER, Flat, 5/16
0110	7091513YP	1	CAPSCREW, Hex Head, 5/16-24 x 1-3/4, G5
0120	1733324SM	1	V-BELT, Traction Drive, 3L, 33.13
0130	1736421YP	1	V-BELT, Auger, 4L 38.35
0135	1750314YP	1	SEAL, Strip
0140	1737377YP	1	STOP, Belt
0150	703116	4	LOCKWASHER, Split, 5/16
0160	703336	2	CAPSCREW, Hex Head, 5/16-24 x 3/4, G5
0170	1739846YP	1	BRACKET, Idler
0171	1931335SM	1	BOLT, Carriage Bolt 5/16-18 x 1, G5
0172	703222	1	NUT, Hex KEPS, 5/16-18
0180	1501065MA	1	BUSHING, Idler Bracket
0190	165X164MA	1	SPRING, Extension, Idler
0200	1502120MA	2	IDLER, Plastic Ball Bearing
0205	703117	1	NUT, Nylock, 3/8-16
0210	703230	2	NUT, Center Lock, 3/8-16
0220	703227	1	BOLT, Carriage, 3/8-16 x 1-1/4
0230	1739574YP	1	AUGER IDLER
0240	1739964YP	1	SPACER, Auger Bracket
0250	1960027SM	1	WASHER, 1/2
0260	1733451SM	1	ARM, Control
0270	703300	1	PIN, Hair, 3/32 x 1.60
0280	703313	1	PIN, Clevis
0290	1737221BMYP	1	PANEL, Bottom
0300	703054	6	SCREW, Hex Washer Head, Thread Roll, 1/4-20 x 5/8
0310	165X159MA	1	SPRING, Extension, Auger
0320	1739107CYP	1	FRAME
0325	1739093AYP	1	ANGLE, Auger & Traction
0330	1754138CYP	1	PLATE, Engine Mount
0350	703228	15	SCREW, Thread Rolling, 5/16-18 x 3/4
0360	1750551YP	1	COVER, Belt
0370	1751355YP	2	SCREW, Hex Washer Head, Taptite, SEMS, 1/4-20 x 3/4
0390	1733868BMYP	1	PLATE, Seal
0390-10	1733898SM	1	SEAL, Foam
0410	703301	1	BOLT, Hex, 5/16-24 x 1.
0420	7023590SM	1	PIN, Cotter, Self Lock, 1/4

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.

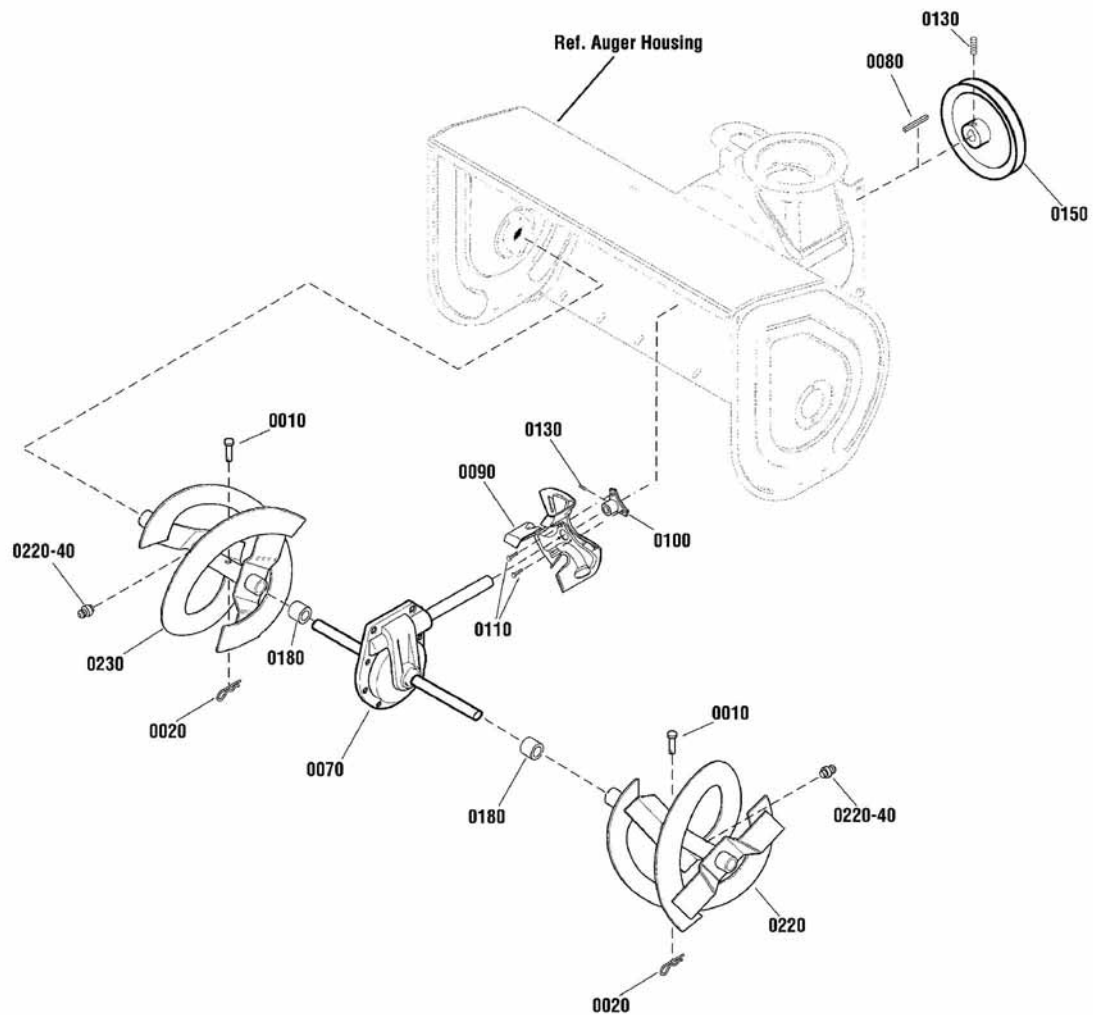
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E

Auger Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2989664



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Auger Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	703063	2	PIN, Sheer, 1/4 x 1-3/4
0020	703060	2	PIN, Cotter, 3/16,
0070	1755978YP	1	GEAR CASE ASSEMBLY, 26"
0080	056534MA	1	KEY, Square
0090	1739094AYP	1	IMPELLER
0100	1739073YP	1	HUB, Impeller
0110	1924856SM	3	SCREW, Hex Washer Head, Taptite, 5/16-18 x 1/2
0130	7090848SM	3	SET SCREW, Square Head, 5/16C x 1/2
0150	1752220YP	1	PULLEY, Auger
0180	1733406SM	2	SPACER, Tube
0220	1737083BMYP	1	AUGER ASSEMBLY, 24, LH (Includes Ref. No. 0220-40)
0230	1737082BMYP	1	AUGER ASSEMBLY, 24, RH (Includes Ref. No. 0220-40)
0220-40	2821133SM	1	FITTING, Zerk

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Footnotes

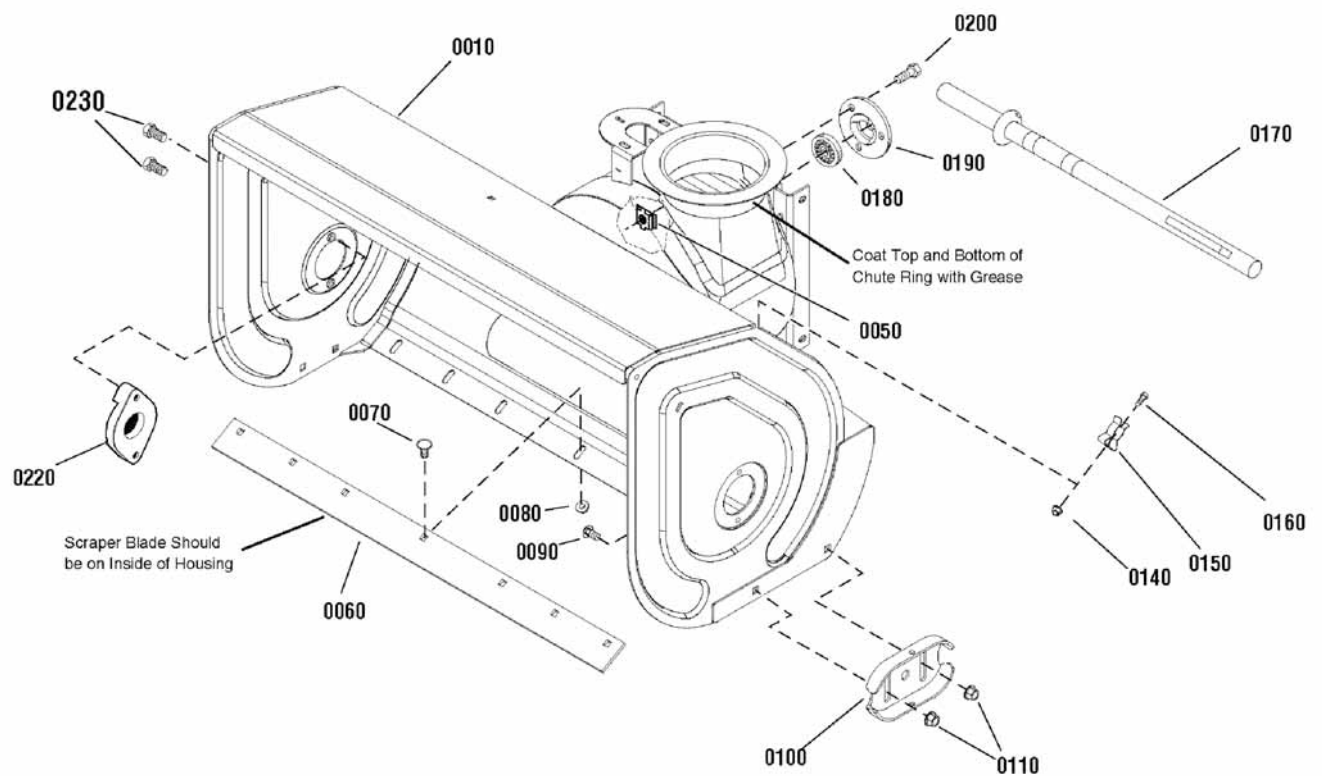
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Auger Housing Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

989357



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Auger Housing Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1687644YP	1	AUGER HOUSING ASSEMBLY, 26"
0050	1739305YP	3	NUT, Hex Flange, 5/16-18
0060	1732384BMYP	1	BLADE, Scraper, 26"
0070	1960699SM	5	BOLT, Carriage, 5/16-18 x 5/8, G5
0080	1935048SM	5	NUT, Hex Flange, Two Way Lock, 5/16-18
0090	1960711SM	4	BOLT, Carriage, 5/16-18 x 3/4, G5
0100	1727854BMYP	2	SHOE, Skid, Reversible
0110	1960687SM	4	NUT, Hex Flange, ESNA, 3/8-16
0140	15X146MA	2	NUT, Nylock, 10 x 24
0150	1736620YP	2	CLAMP, Retainer
0160	1960569SM	2	SCREW, Truss Head Torx, #10-24 x 3/8
0170	1736094YP	1	BRUSH, Cleanout
0180	2108202SM	1	BEARING, Ball
0190	1665982SM	1	RETAINER, Ball Bearing
0200	1931333SM	3	BOLT, Carriage, 5/16-18 x 3/4, G5
0220	53757MA	2	BEARING, Auger Shaft (26" Housing Only)
0230	25X021MA	4	CAPSCREW, 5/16-18 x 3/4 (26" Housing Only)

Footnotes

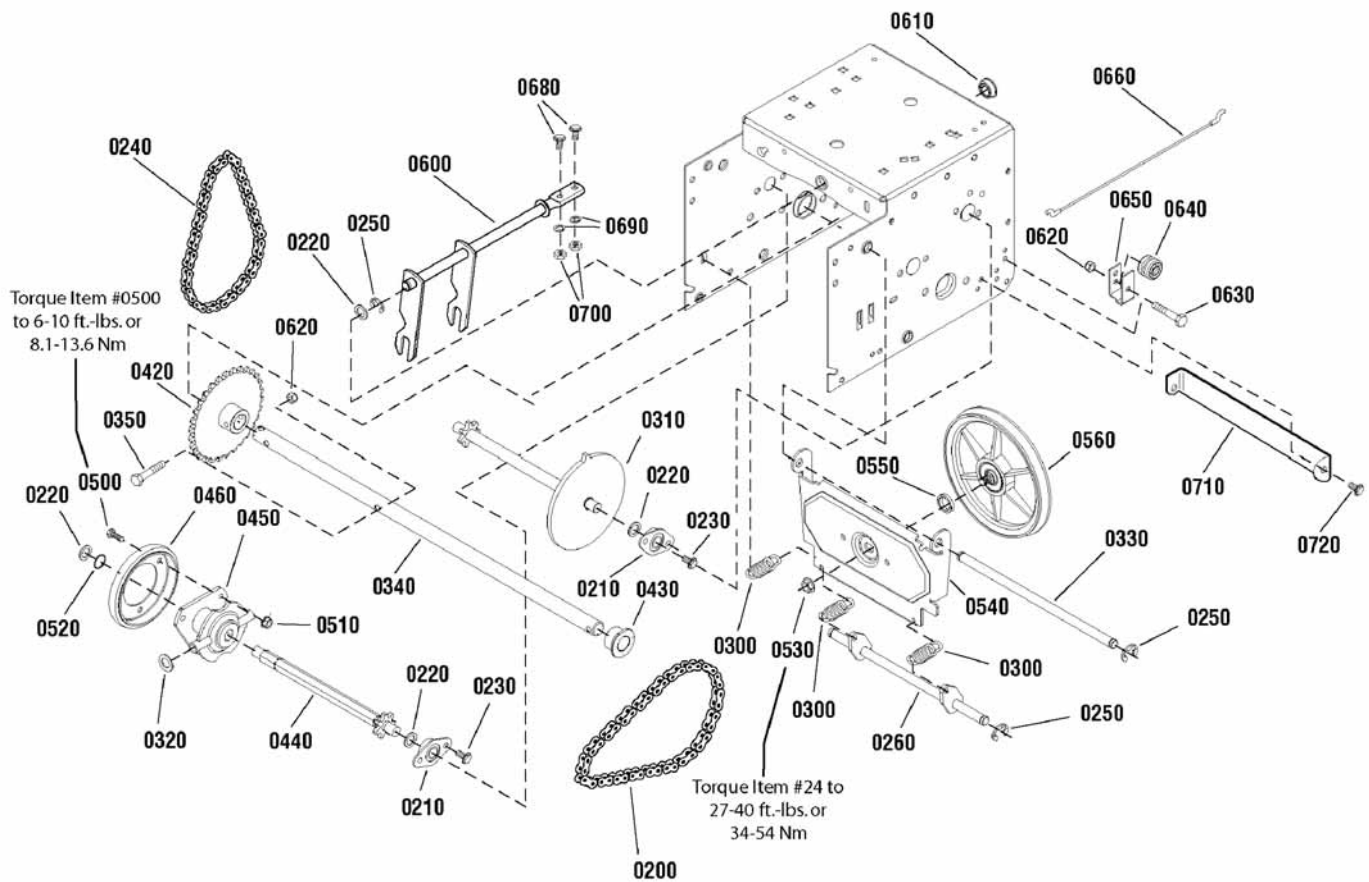
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Traction Drive Group - Standard

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2989173



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Traction Drive Group - Standard

REF NO	PART NO.	QTY.	DESCRIPTION
0200	579851MA	1	CHAIN, Roller, #420 x 19.00
0210	334163MA	4	BEARING AND RETAINER ASSEMBLY
0220	703337	5	WASHER, Flat, 1/2
0230	1924856SM	8	SCREW, Hex Washer Head Taptite, 5/16-18 x 1/2
0240	579868MA	1	CHAIN, Roller, #420 x 18.00
0250	11X30MA	5	RETAINER, Ring, 7/16
0260	703328	1	SPRING LINK ASSEMBLY
0300	1736469YP	3	SPRING, Extension
0310	1501090MA	1	SPROCKET, Set
0320	1960027SM	2	WASHER, 1/2
0330	1501092YZMA	1	AXLE, Swing Plate
0340	1501563MA	1	AXLE, 16"
0350	01X93MA	1	SCREW, 1/4 - 20 x 1-3/4
0420	1501089MA	1	SPROCKET, Axle
0430	1501114MA	2	BEARING, Axle
0440	1501100MA	1	HEX SHAFT & SPROCKET ASSEMBLY
0450	1739282YP	1	HUB, Friction Wheel & Bearing
0460	1501435MA	1	WHEEL, Friction Disc
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 Extension
0530	15X114MA	1	NUT, Flange Lock, 3/8-24
0540	1501057YZMA	1	PLATE, Swinging
0550	1501158MA	1	SPACER, Friction Pulley
0560	1501115MA	1	FRICTION PULLEY ASSEMBLY
0600	1501110YZMA	1	ASSEMBLY, Speed Selector
0610	579944MA	1	BEARING, Flange
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	SPOOL CABLE, Auger Control
0650	1750398YP	1	BRACKET, Cable Spool
0660	1750403YP	1	CABLE, Front Drive
0680	703338	2	BOLT, Hex, 1/4-20 x 5/8
0690	1916964SM	2	LOCKWASHER, Spring, 1/4-20
0700	7091576SM	2	NUT, Hex, 1/4-20, G5
0710	1502030YZMA	1	BRACKET, Support
0720	1927429SM	2	CAPSCREW, Hex Washer Head, Taptite, 1/4-20 x 5/8

Footnotes

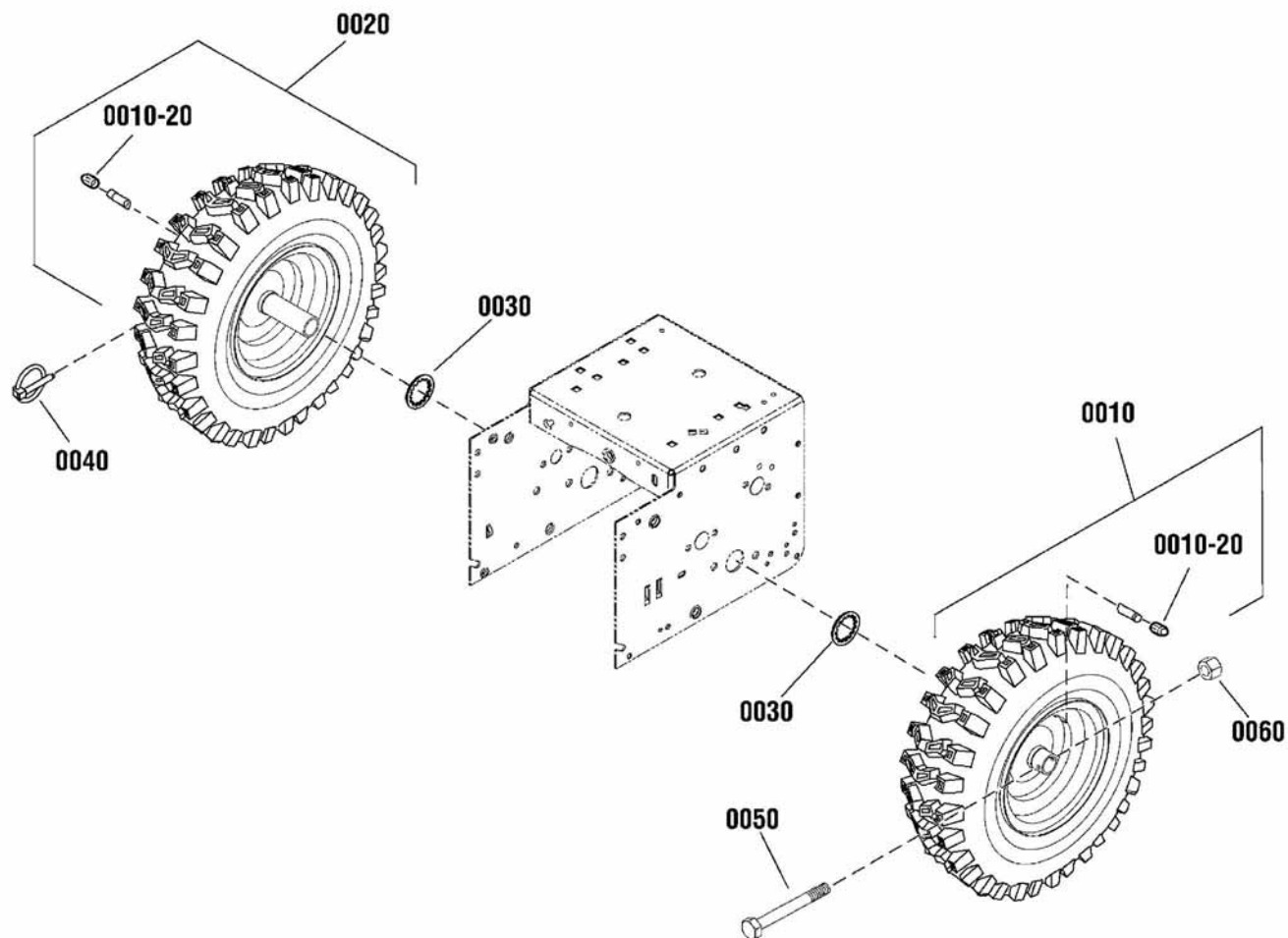
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Wheels & Tires Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2990390



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Wheels & Tires Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1754243YP	1	WHEEL ASSEMBLY, 4.80-8, P2-578, LH (Includes Ref. No, 0010-20)
0020	1754245YP	1	WHEEL ASSEMBLY, 4.80-8, P2-578, RH (Includes Ref. No, 0010-20)
0010-20	2172353SM	2	VALVE STEM & CAP
0030	1657528SM	2	RETAINING RING, Self Lock, 3/4
0040	703226	1	PIN, Klik
0050	577015MA	1	BOLT, Hex Head, 1/4-20 x 1-3/4, G5
0060	703232	1	NUT, Nylock, 1/4-20

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Footnotes

The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

This diagram shows the exploded view of a snowblower. The components are labeled with the following numbers:

- 0100: Left handle
- 0020: Throttle lever
- 0110: Fuel tank
- 0010: Fuel tank cap
- 0050: Fuel tank bracket
- 0040: Snow chute
- 0060: Snow auger assembly
- 0030: Drive shaft



0040



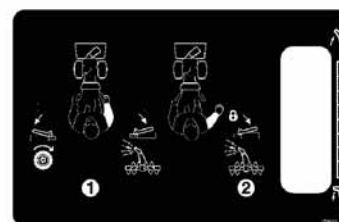
0030



0100



0110



0010



0020



0070



0060



0050

1696203-00 - (SIH1226E

Decals Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1755155YP	1	DECAL, Controls
0020	1751582YP	1	DECAL, Gear Shift
0030	1737867YP	1	DECAL, Danger Auger Icons
0040	1727207SM	1	DECAL, Warning, Chute
0050	1754671YP	1	DECAL, Logo
0060	1754674YP	1	DECAL, Housing, Model SIH1226E
0070	1733247SM	1	DECAL, Logo, Auger
0100	1753133YP	1	DECAL, Auger Control
0110	1753134YP	1	DECAL, Traction Control

Not for
Reproduction

Footnotes

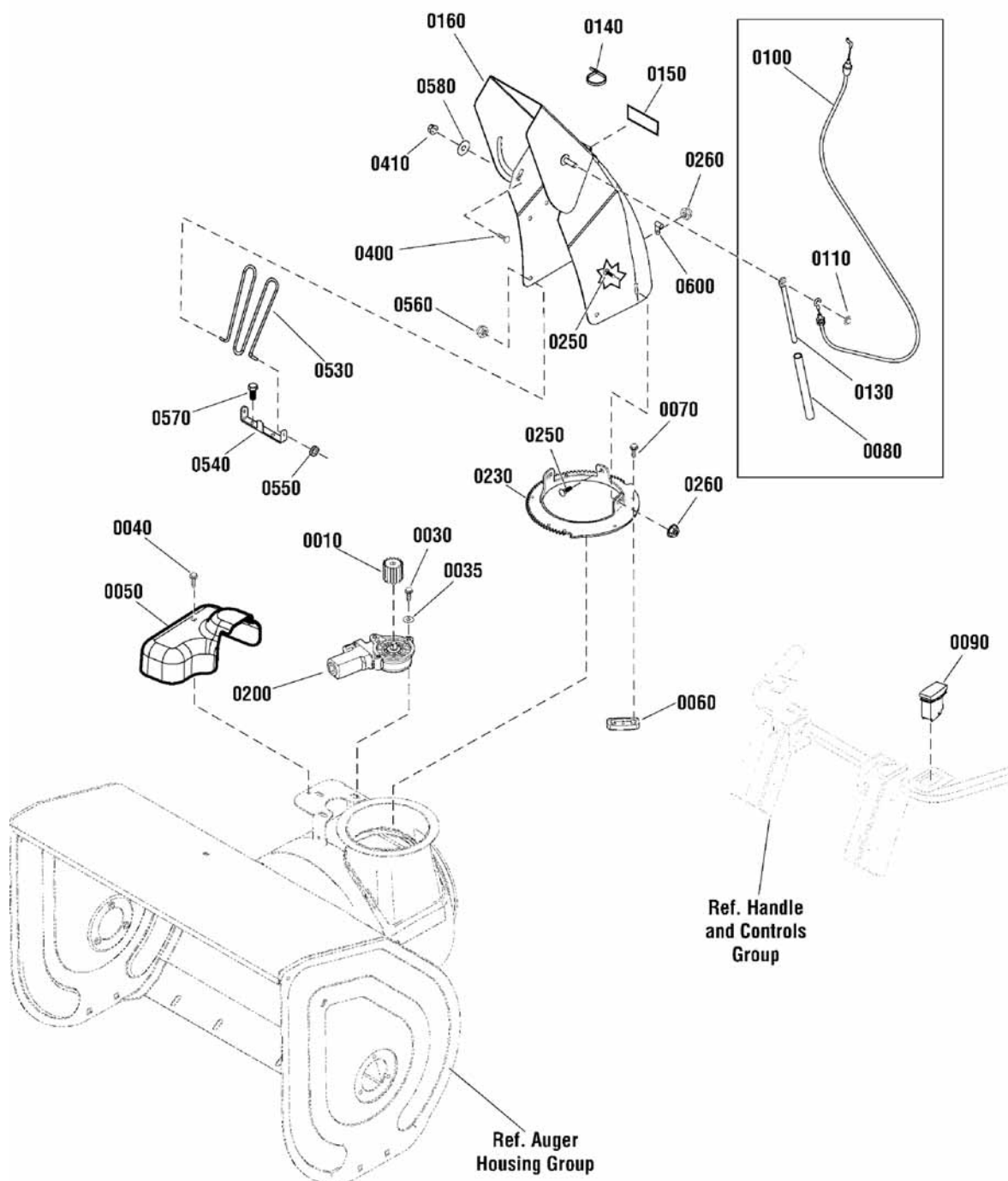
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Chute & Rotation Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2990591



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Chute & Rotation Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1728967SM	1	PINION
0030	1739621YP	3	SCREW, Torx Button Head, M5 x .8 x 14
0035	7091552SM	3	WASHER, Flat
0040	1925592SM	1	SCREW, Hex Washer Head, Taptite, 1/4-20 x 3/4
0050	1752877YP	1	COVER, Electric Chute Rotation
0060	7011938SM	3	RETAINER, Spout
0070	703062	6	SCREW, Hex Washer Head, Plastite, 10-14
0080	703135	1	SPRING, Compression
0090	1737378YP	1	SWITCH, Chute Rotation
0100	1750623YP	1	CABLE, Chute Deflector
0110	1932718SM	1	NUT, Push, 5/16
0130	1734708ASM	1	ROD, Spring Guide
0140	2825094YP	1	TIE, Self Lock
0150	1706085SM	2	DECAL, Hinge
0160	1752840CYP	1	CHUTE
0200	1739309YP	1	MOTOR, Chute Rotation
0230	1737962BMYP	1	GEAR
0250	1931317SM	3	BOLT, Carriage, 1/4-20 x 3/4
0260	703061	3	NUT, KEPS, 1/4-20
0400	703185	1	BOLT, Carriage, 5/16-18 x 3/4, G5
0410	703115	1	NUT, Nylock, Flange, 5/16-18
0530	1733475SM	1	GUARD, Chute
0540	1752883YP	1	BRACKET, Chute Guard
0550	1738174YP	2	GROMMET
0560	1960140SM	2	NUT, Push, 3/16
0570	B4300GS	2	SCREW, Hex Head, Taptite, 1/4-20 x 1/2
0580	2860210SM	1	WASHER, Nylon
0600	703174	1	CLIP, Cable

Footnotes

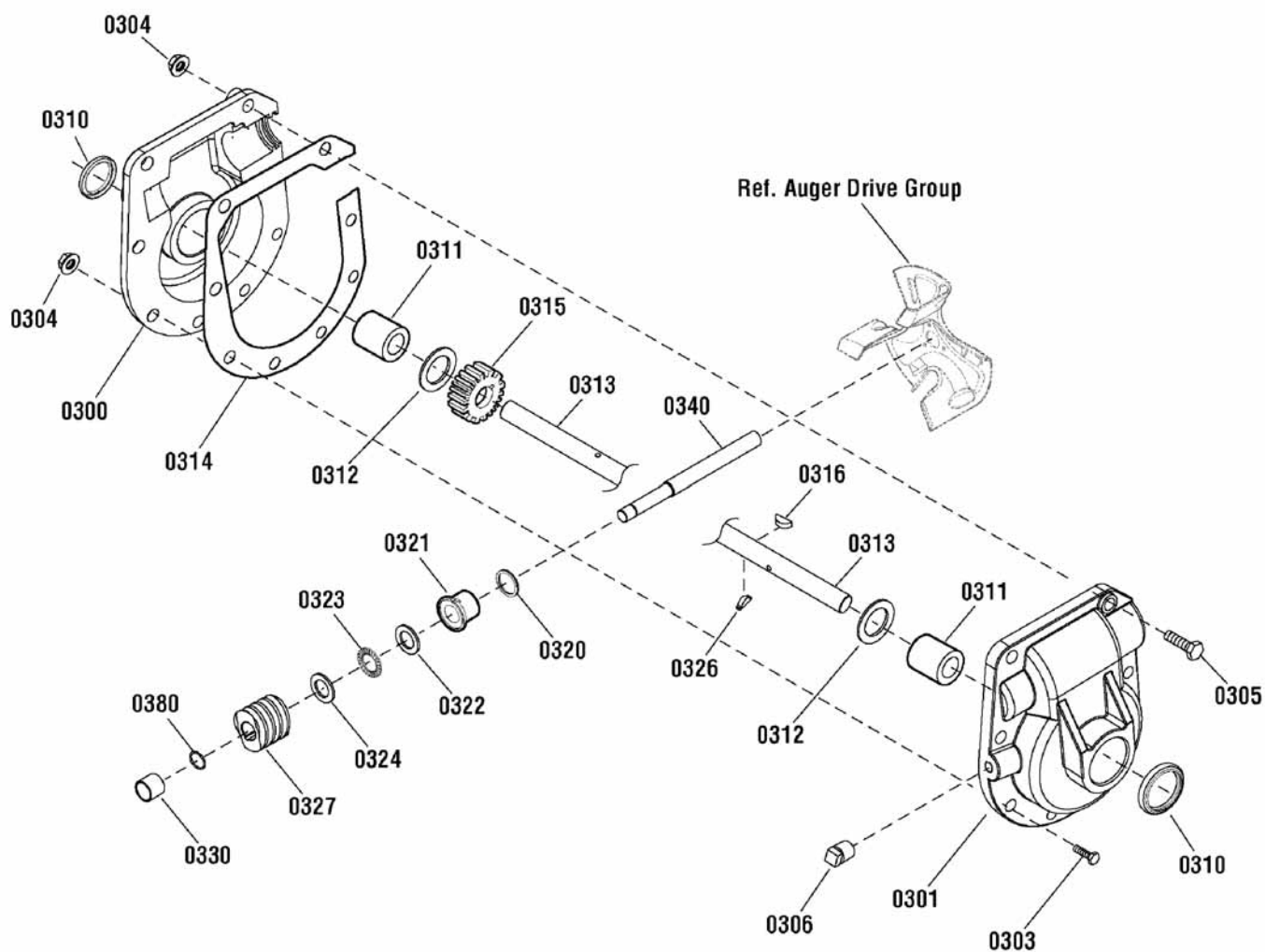
The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E

Gear Case Assembly - Heavy Duty

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

1755978



The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E)

Gear Case Assembly - Heavy Duty

REF NO	PART NO.	QTY.	DESCRIPTION
0300	896MA	1	CASE, Gear, RH
0301	895MA	1	CASE, Gear, LH
0303	703301	7	BOLT, Hex, 5/16-24 x 1
0304	703123	8	NUT, Hex Flange, Serrated, 5/16-24, G5
0305	330434MA	1	CAPSCREW, Hex Head, 5/16-24 x 1-1/2
0306	703122	1	PLUG, 1/4-18 NPTF
0310	780151MA	2	SEAL, Oil
0311	53743MA	2	BEARING, Sleeve, 1 x 1-1/4 x 1
0312	53748MA	2	WASHER, Flat, 1
0313	1736711YP	1	SHAFT, Auger
0314	897MA	1	GASKET, Gear Box
0315	1752500YP	1	GEAR, Worm, 22T, 3.125 OD
0316	73905MA	1	KEY, Woodruf, #91.750 x .25W
0320	53737MA	1	RING, Quad
0321	583126MA	1	BEARING, Flange, 3/4 ID x 1.128 OD
0322	48275MA	1	WASHER, Thrust
0323	50684MA	1	BEARING, Roll Thrust 3/4 ID x 1-1/4 OD
0324	48275MA	1	WASHER, Thrust
0326	50795MA	1	KEY, Hi-Pro
0327	53732MA	1	WORMGEAR, 1-3/4 OD x 1-1/2 Long
0330	53731MA	1	BEARING, Sleeve, 3/4 ID x 7/8 OD
0340	1751544YP	1	SHAFT, IMPELLER
0380	1752515YP	1	RING, Retaining, 3/4

Footnotes

The above parts group applies to the following Mfg. Nos.:

1696203-00 - (SIH1226E

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Reproduction

Not for
Reproduction

Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance $\pm 20\%$)

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

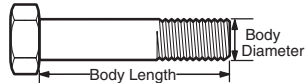
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread
Diameter (mm)
Inside
Diameter (in)
Threads
per inch

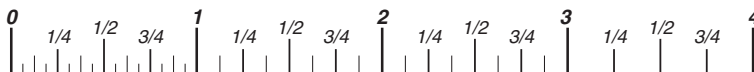
Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread
Diameter (mm)
Body
Diameter
Distance between
threads (mm)
Threads
per inch
Body
Length (mm)
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*, (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 $\pm 20\%$)

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

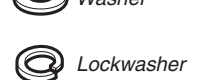
- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock 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

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

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