



Parts Manual

Mfg. No: 1695410
924IR, 9TP 24" Snowthrower (CE/Export)

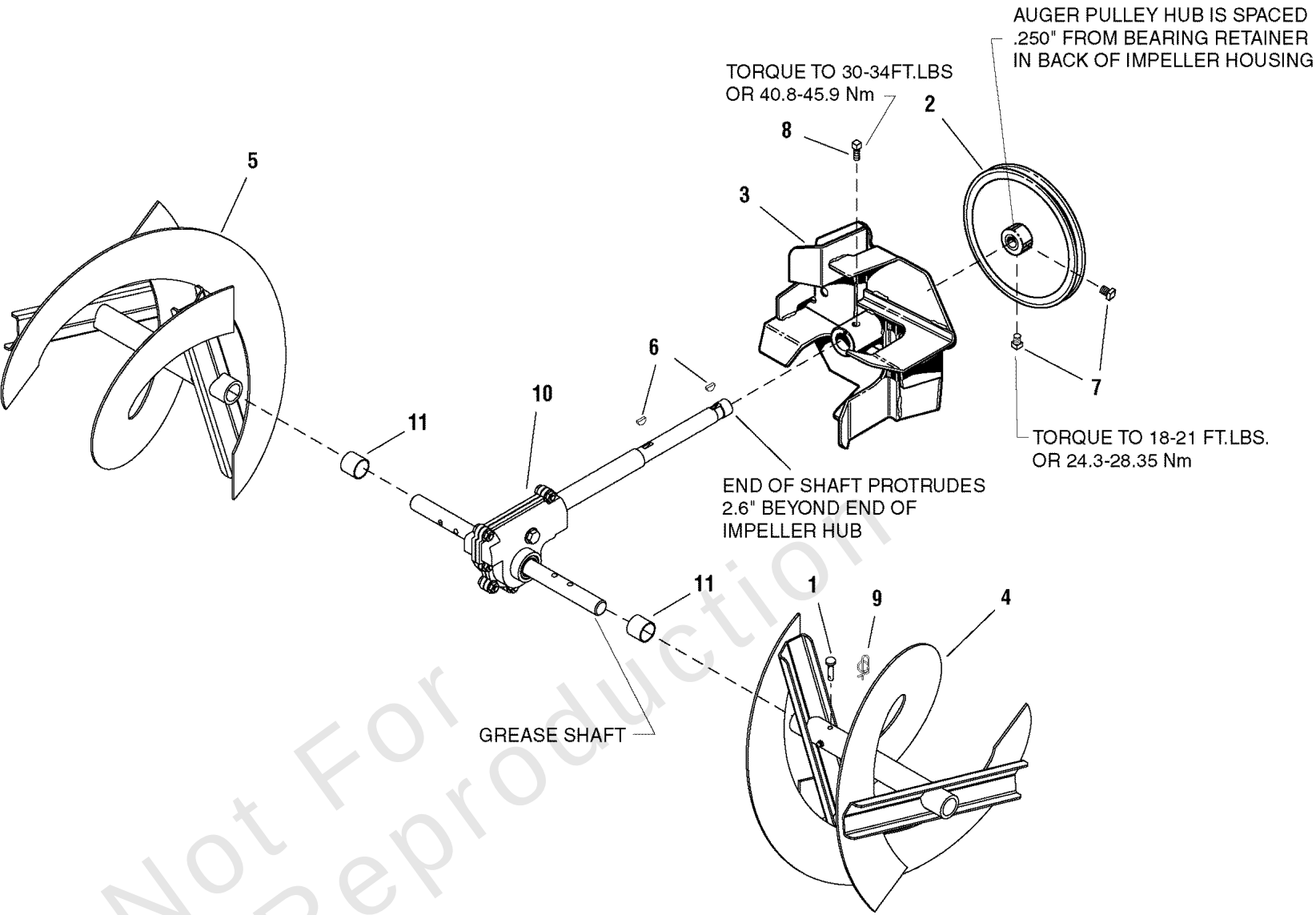
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Not For
InReproduction

Auger Drive Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1695410



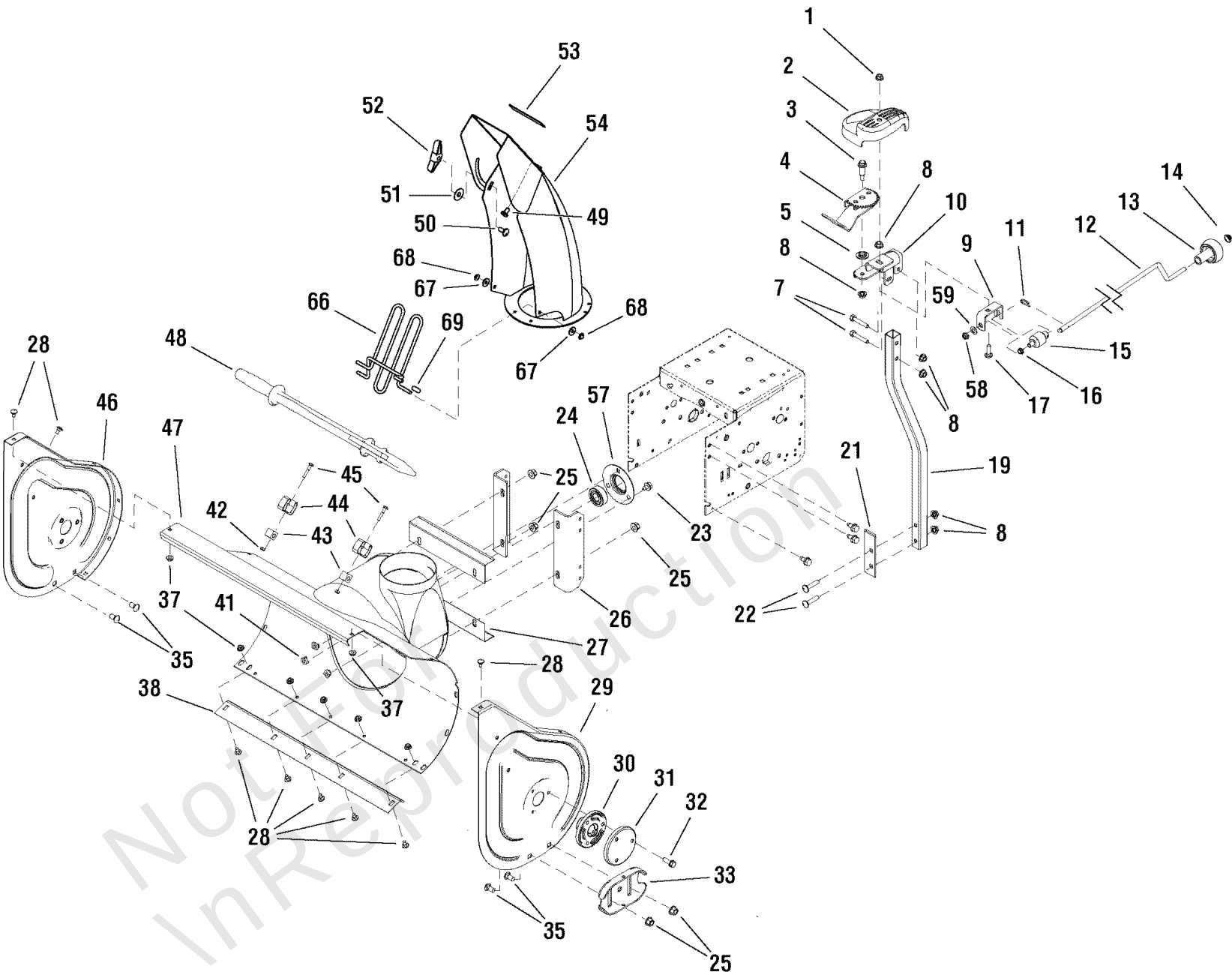
Auger Drive Group

REF NO	PART NO	QTY	DESCRIPTION
1	1668344SM	2	PIN, Shear
2	1715091SM	1	PULLEY, Auger Input
3	1715120ASM	1	IMPELLER ASSEMBLY
4	1726535ASM	1	AUGER ASSEMBLY, L.H., 22" Housing
5	1726536ASM	1	AUGER ASSEMBLY, R.H., 22" Housing
6	2818312SM	2	KEY, Woodruff
7	1928721SM	2	SCREW, Set Square Head Cup Point 5/16-18 x 1/2 G8
8	1960474SM	1	SCREW, Set Square head Cup Point 3/8-16 x 1/2 G8
9	7023590SM	2	COTTER PIN, 1/4" Self Locking
10	1734573SM	1	GEAR BOX ASSEMBLY, Auger Drive
11	1734916SM	2	TUBE

Auger Housing & Chute Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1695410



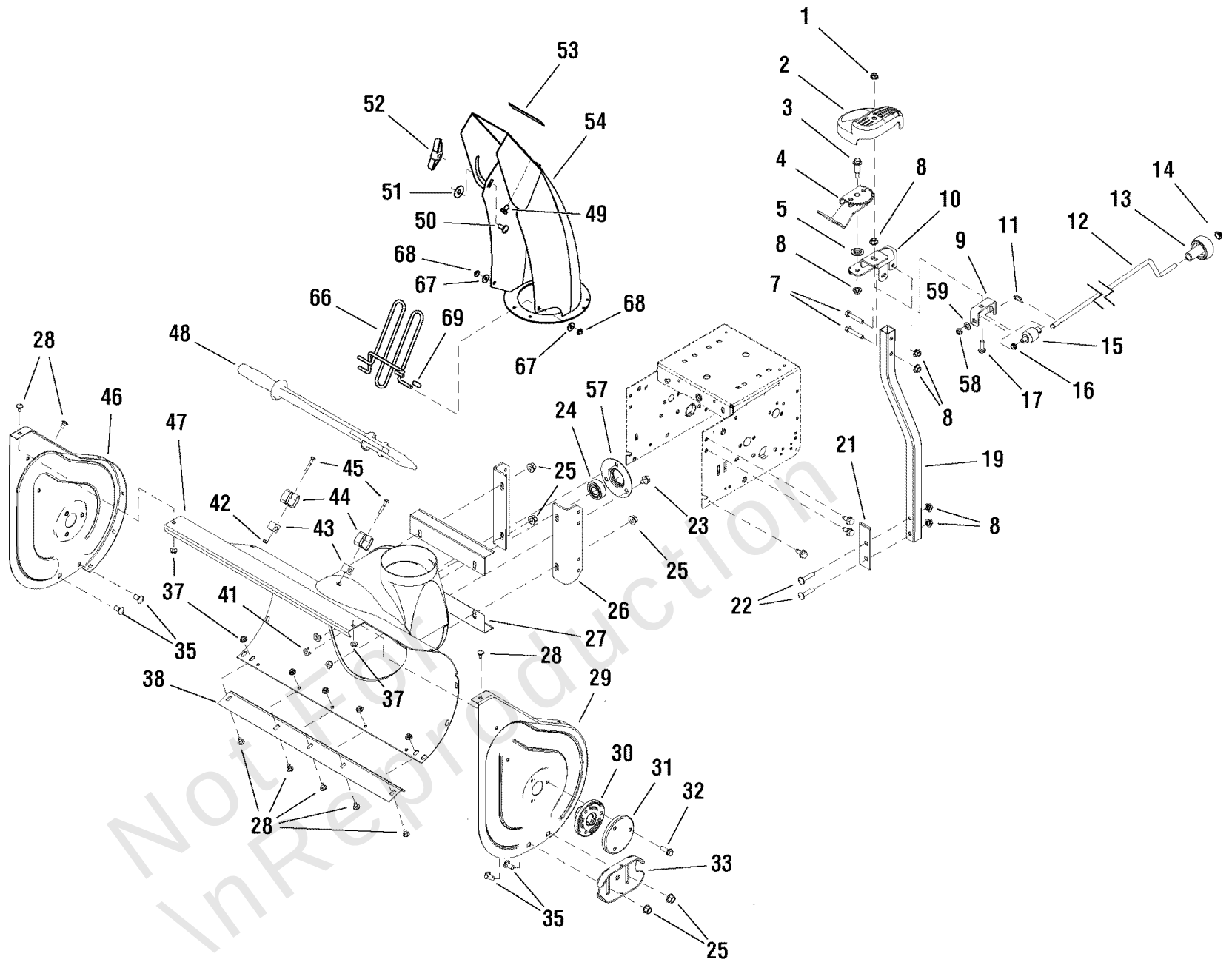
Auger Housing & Chute Group

REF NO	PART NO	QTY	DESCRIPTION
1	1935048SM	1	NUT, Hex Flange 5/16-18 Two Way Lock
2	1734442SM	1	COVER, Gears
3	1732412SM	1	BOLT, Shoulder 5/16-18 G5
4	1734773SM	1	GEAR & SUPPORT ASSEMBLY, Chute
5	1733026SM	1	WASHER, Powdered Metal
7	1922127SM	2	SCREW, Hex Head Cap, 5/16-18 x 1 3/4
8	1960684SM	6	NUT, Hex KEPS 5/16-18 Conical Washer
9	1734440SM	1	SUPPORT, Worm "U" 10GA
10	1734423ASM	1	SUPPORT, Gear & Chute 10GA
11	1501293MA	1	PIN, Hair Chute Gear
12	1734404SM	1	ROD, Chute Control E-Coat
13	1714084SM	1	KNOB, Spinner
14	1960093SM	1	NUT, Push Pal 3/8 Diameter Stud Capped
15	1734439SM	1	WORM, Chute L.H.
16	1667588SM	1	BUSHING
17	1931335SM	1	BOLT, Carriage, Short Neck, 5/16-18 x 1
19	1734195ASM	1	TUBE
21	1734201ASM	1	SUPPORT, Tube 10GA
22	1931337SM	2	CARRIAGE BOLT, 5/16-18 x 1-1/2 G5
23	1931648SM	3	SCREW, Hex Whiz Lock Flange 5/16-18 x 1/2
24	2108202SM	1	BEARING, Ball
25	1960687SM	8	NUT, Hex Flange 3/8-16 ESNA
26	1734055CSM	2	BRACKET, Housing 12GA
27	1734063CSM	2	ANGLE, Fill Strip
28	1931315SM	17	CARRIAGE BOLT, 1/4-20 x 1/2 G5
29	1726458CSM	1	PLATE, End L.H.
30	1726457SM	2	HOUSING, Auger Bearing
31	1668639ASM	2	CAP, Bearing
32	1960373SM	6	SCREW, Hex Washer Head Taptite 5/16-18 x 1
33	1727854ASM	2	SKID, Shoe Reversible
35	1960711SM	4	CARRIAGE BOLT, 3/8-16 x 3/4 G5
37	1930641SM	17	NUT, Hex Flange 1/4-20 Whiz Lock Large
38	7300098ASM	1	BLADE, Scraper 24"
41	1930659SM	3	RETAINER, Nut, 5/16-18
42	1933896SM	2	NUT, Hex Lock 10-24 w/Nylon Insert
43	578063MA	2	BLOCK, Universal Pivot
44	1501672MA	2	CLIP, Retainer
45	2860604SM	2	SCREW, Hex Washer Head Slot #10C x 1-1/4 G2
46	1726459CSM	1	PLATE, End R.H. 14GA
47	1734475CSM	1	WRAPPER ASSEMBLY, 24" Auger
48	1733209SM	1	STICK, Cleanout w/Brush
49	7091542SM	3	SCREW, Phillips Head Taptite, Torx 5/16C x 1/2
50	1931333SM	1	CARRIAGE BOLT, 5/16-18 x 3/4
51	2860210SM	1	WASHER
52	071294MA	1	WINGNUT, 5/16-18
53	1706085SM	2	DECAL, Hinge
54	1734206CSM	1	CHUTE & DEFLECTOR ASSEMBLY
57	1665982SM	1	RETAINER, Bearing
58	1960762SM	1	NUT, Hex Lock Jam ESNA Lite 3/8-24
59	1734542SM	1	WASHER, Cup
66	1735174SM	1	GUARD, Chute

Auger Housing & Chute Group

Note: Unless noted otherwise, use the standard torque specifications

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Auger Housing & Chute Group

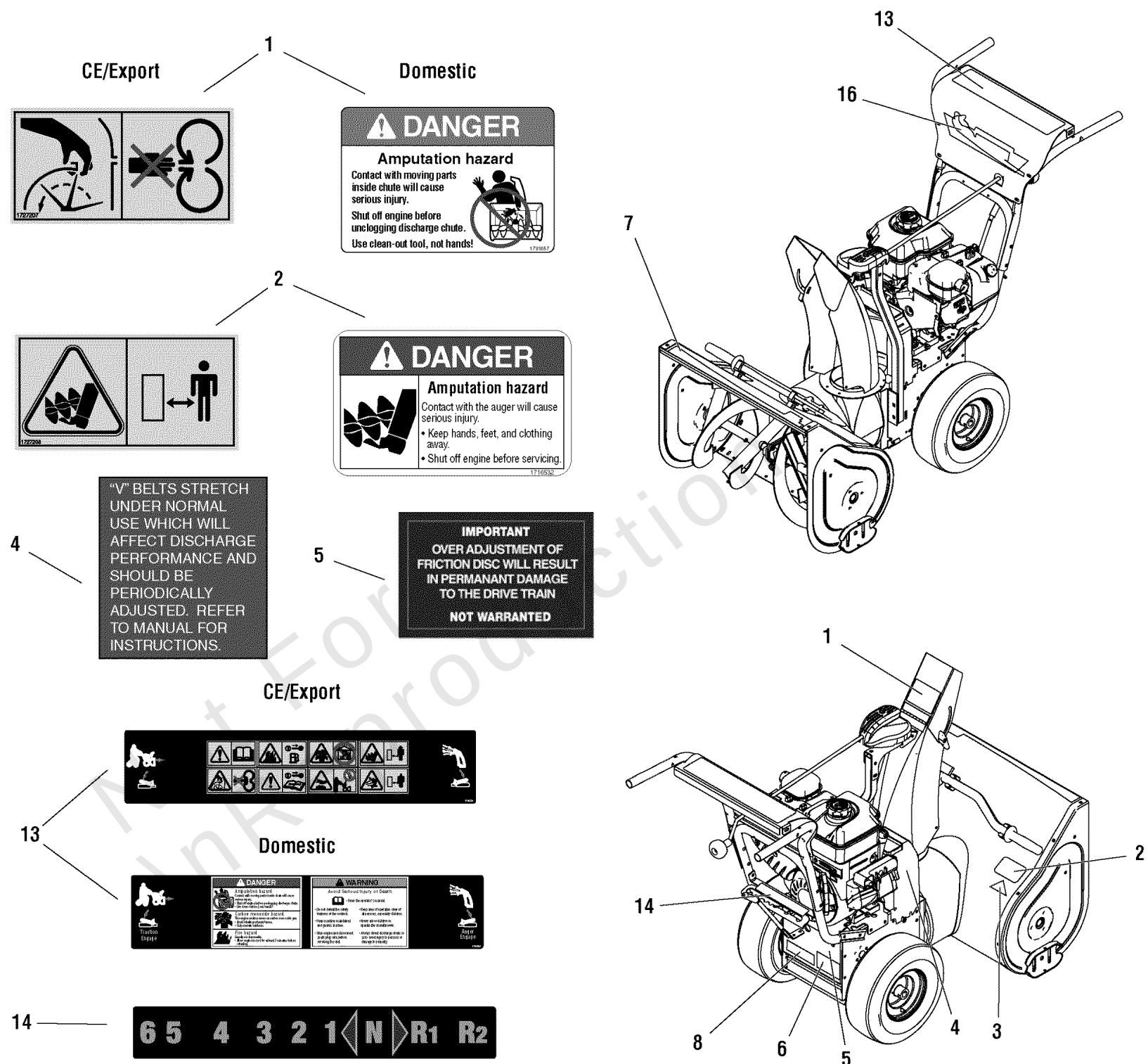
REF NO	PART NO	QTY	DESCRIPTION
67	1678366SM	2	WASHER, Nylon
68	1960126SM	2	NUT, Push 1/4
69	1733647SM	1	CAP, Wire 1/4

Not For InReproduction

Decals Group

Note: Unless noted otherwise, use the standard torque specifications

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Decals Group

REF NO	PART NO	QTY	DESCRIPTION
1	1727207SM	1	DECAL, Chute Warning -(CE/Export)
1	1733057SM	1	DECAL, Danger Amputation Hazard
2	1727208SM	1	DECAL, Impeller Warning -(CE/Export)
2	1716532SM	1	DECAL, Danger Avoid Injury, Auger
3	-----	1	*DECAL, OPEI
4	7390MA	1	DECAL, Belt Stretch and Adjustment -(Domestic Models Only)
5	7859MA	1	DECAL, Over Adjust of Friction Disc -(Domestic Models Only)
6	-----	1	*STICKER, Serial w/Bar Code
7	1735119SM	1	DECAL, SMI Stripe 924IE -(CE/Export)
7	1735120SM	1	DECAL, SMI Stripe 924IR -(CE/Export)
7	1734497SM	1	DECAL, SMI Stripe 924I
8	1720454SM	1	DECAL, Touch Up Paint
13	1734591SM	1	DECAL, Dash -(CE/Export)
13	1734499SM	1	DECAL, Dash
14	1735229SM	1	DECAL, Speed Control
16	1735113SM	1	DECAL, SMI Dash Swoosh

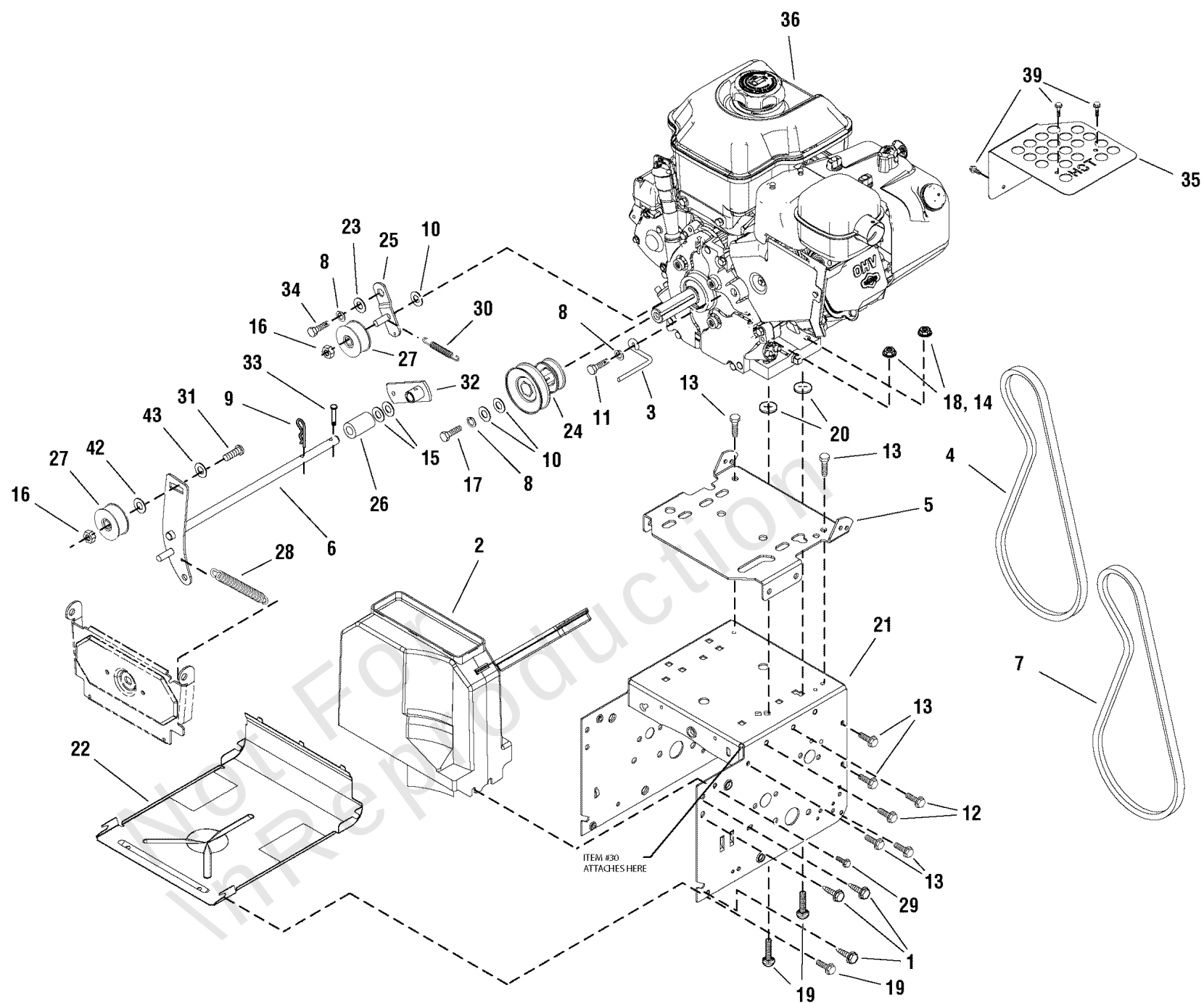
Footnotes:

Note:* Not a serviceable part

Engine & Frame Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1695410



Engine & Frame Group

REF NO	PART NO	QTY	DESCRIPTION
1	1664847SM	6	SCREW, Hex Washer Head Taptite, 5/16-18 x 3/4
2	1732486SM	1	COVER, Belt w/Toolbox
3	1733014SM	1	STOP, Belt
4	1733324SM	1	V-BELT, 3L 33.13
5	1733583CSM	1	PLATE, Engine Mount
6	1734311SM	1	WELD, Auger Idler
7	1734313SM	1	V-BELT, 4L 37.00 Auger
8	1917356SM	3	LOCKWASHER, Spring 5/16
9	711682MA	1	PIN, Hair
10	1919381SM	3	WASHER, 5/16
11	1921515SM	1	CAPSCREW, Hex Head 5/16-24 x 3/4 G5
12	1924856SM	4	SCREW, Hex Washer Head Taptite 5/16-18 x 1/2
13	1927429SM	12	SCREW, Hex Washer Head Taptite 1/4-20 x 5/8
14	2831277SM	1	NUT, Hex Flange 5/16-18 Whiz Lock
15	1960027SM	2	WASHER, 1/2
16	1960251SM	2	NUT, Hex Centerlock Jaam 3/8-16
17	1921982SM	1	CAPSCREW, Hex Head 5/16-24 x 1-1/4 G5
18	1960686SM	3	NUT, Hex Flange 5/16-18 Esna
19	002X97MA	4	CARRIAGE BOLT, 5/16-18 x 1-1/2
20	028X76MA	4	NUT, Push for 1/4 Diameter Thread
21	1740572CSM	1	FRAME BOX
22	1740906ASM	1	PANEL, Bottom
23	1501065MA	1	BUSHING, Idler Bracket
24	1501109MA	1	PULLEY, Engine Snow 2Stage
25	1501112YZMA	1	SPOT WELD, Idler Bracket
26	1502041MA	1	SPACER,-0.53 ID 1.00 OD 1.61 LG AUG IDLER
27	1502120MA	2	IDLER, Plastic Ball Bearing
28	165X159MA	1	SPRING, Extension Auger Idler
29	26X306MA	2	SCREW, 1/4-AB x 3/4 Hex w/Extension Tooth Washer
30	53704MA	1	SPRING, Extension Idler
31	1921969SM	1	CAPSCREW, Hex Head 3/8-16 x 1-1/2 G5
32	1733451SM	1	ARM, Control
33	1735135SM	1	PIN, Clevis
34	910828MA	1	BOLT, Hex 5/16-24 x 1
35	1734732SM	1	HEAT SHIELD, 16GA -(Used only on Domestic Models)
36	-----	1	*ENGINE, 9.0TP Briggs & Stratton Mod. #12D1140118-E1
36	-----	1	*ENGINE, 9.0TP Briggs & Stratton Mod. #12D1140119-E1 -(CE/Export)
36	-----	1	*ENGINE, 9.0TP Briggs & Stratton Mod. #12D1160120-E1 -(CE/Export)
39	1929477SM	3	SCREW, Hex Washer Head Taptite -(Used only on Domestic Models)
40	1724064SM	1	CORD, Electric Extension 10FT -(Used only on Domestic Models)
41	1701011SM	1	TIE, Self Locking
42	1922755SM	1	WASHER, 3/8
43	1924940SM	1	WASHER, 3/8

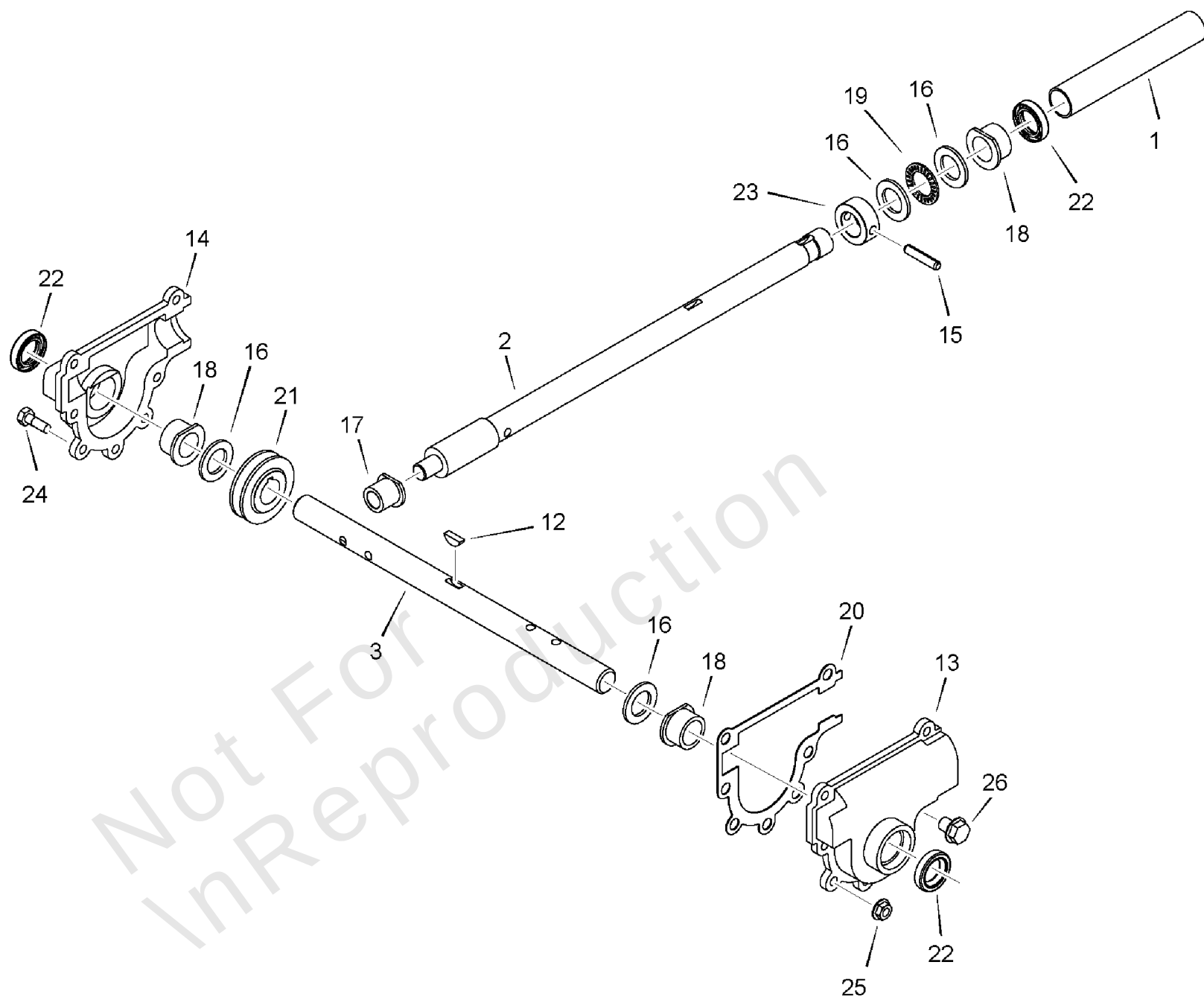
Footnotes:

Note:* See your local Briggs & Stratton distributor for parts & service.

Gear Case Assembly (1734573)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1695410



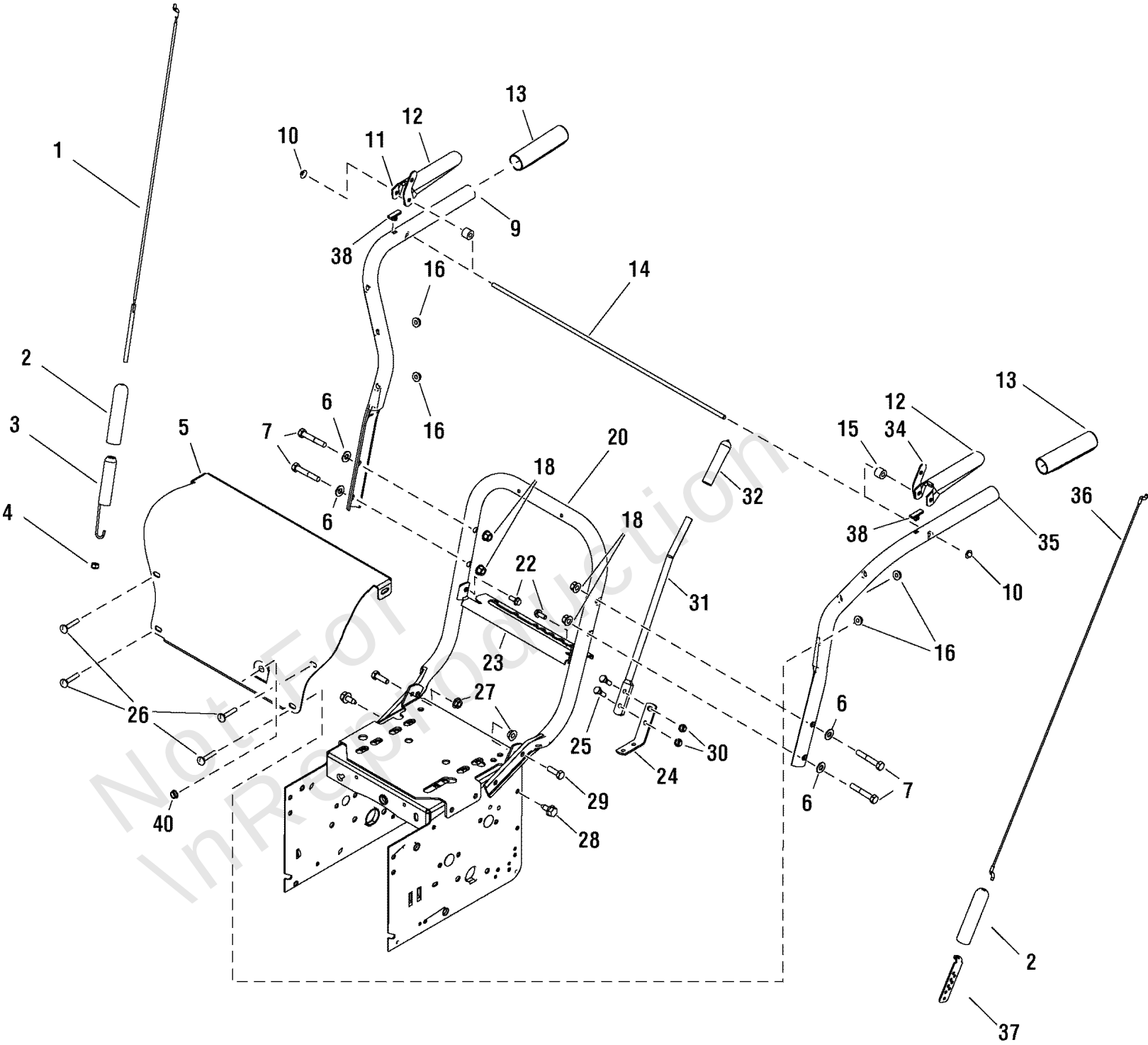
Gear Case Assembly (1734573)

REF NO	PART NO	QTY	DESCRIPTION
1	1612112SM	1	TUBE, Plastic
2	1734356SM	1	SHAFT, Impeller
3	1734368SM	1	SHAFT, Auger Intermediate
12	431787MA	1	KEY, Woodruff, #61, 5/8 x 3/16
13	10576MA	1	GEAR CASE, LH
14	10577MA	1	GEAR CASE, RH
15	454565MA	1	PIN, Spring
16	48275MA	4	WASHER, Thrust
17	50221MA	1	BUSHING, Worm
18	50304MA	3	BUSHING, Shaft
19	50684MA	1	BEARING, Needle Thrust
20	51279MA	1	GASKET
21	51405MA	1	GEAR, Worm
22	9566MA	3	SEAL, Oil
23	580295MA	1	COLLAR, Thrust, 3/4 X 1-1/4
24	710025MA	7	CAPSCREW, 1/4-20 X 3/4
25	15X143MA	7	NUT, Hex-Flange, Center-Lock, 1/4-20
26	9344MA	1	SCREW, 3/8-16 X 1/2

Handles & Controls Group

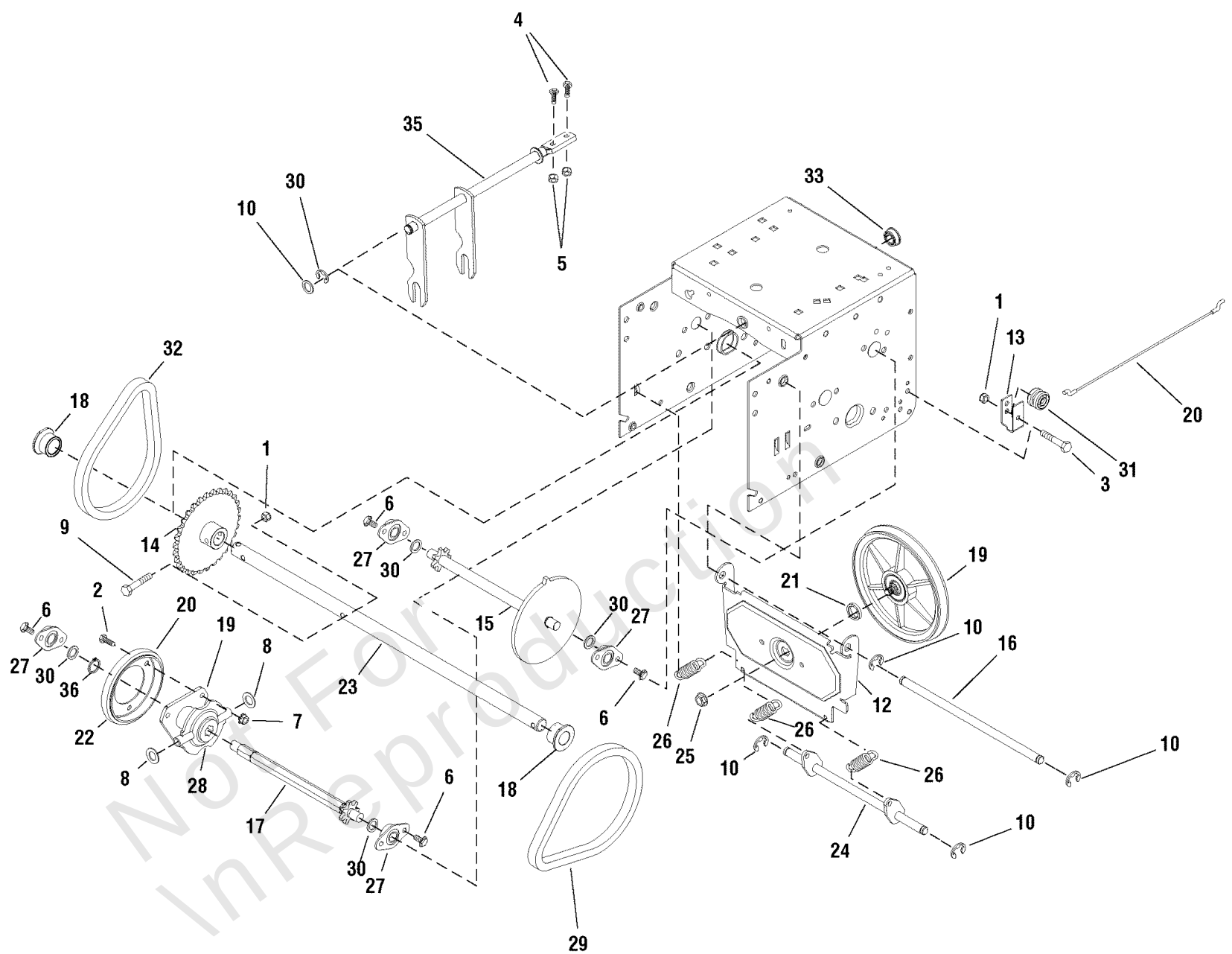
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Handles & Controls Group

REF NO	PART NO	QTY	DESCRIPTION
1	761872MA	1	CABLE, Auger
2	308146MA	2	BOOT, Spring End Cover
3	1673MA	1	SPRING, Auger Control
4	1920397SM	1	NUT, Hex Lock Esna Light 1/4-20
5	1734250CSM	1	PANEL, Dash Upper
6	1919326SM	4	WASHER, 5/16
7	1921978SM	4	CAPSCREW, Hex Head 5/16-18 x 2 G5
9	1740573ASM	1	HANDLE, Upper
10	1960126SM	2	NUT, Push Pal 1/4 Diameter Stud Capped
11	337816E701MA	1	LEVER ASSEMBLY, Clutch R.H.
12	337380MA	2	GRIP, Control Lever
13	337399MA	2	GRIP, Handle
14	1734522SM	1	ROD, 1/4 Diamter 21.81 Large
15	1734396SM	2	SPACER
16	1960694SM	4	NUT, Hex Flange 1/4-20 Esna
18	1960686SM	4	NUT, Hex Flange 5/16-18 Esna
20	1740701ASM	1	HANDLE, Lower
22	1927429SM	2	SCREW, Hex Washer Head Taptite 1/4-20 x 5/8
23	1740698ASM	1	BRACKET, Gear Select
24	760564MA	1	LEVER, Spring Shift
25	1923341SM	2	CAPSCREW, Hex Head 1/4-20 x 3/4 G5
26	1960633SM	4	CARRIAGE BOLT, 1/4-20 x 1-1/2 G5
27	1935048SM	2	NUT, Hex Flange 5/16-18 Two-Way Lock
28	1664847SM	2	SCREW, Hex Washer Head Taptite 5/16-18 x 3/4
29	1921333SM	2	CAPSCREW, Hex Head, 5/16-18 x 1
30	1923358SM	2	NUT, Hex Centerlock 1/4-20
31	336702E701MA	1	ROD, Shift No Thread
32	331624MA	1	GRIP, Ball End
34	337815E701MA	1	LEVER ASSEMBLY, Clutch L.H.
35	1740587ASM	1	HANDLE, Upper L.H.
36	1501123MA	1	CABLE, Front Drive
37	313441MA	1	BRACKET, Cable Adjusting
38	4049MA	2	BUMPER
40	1667588SM	1	BUSHING



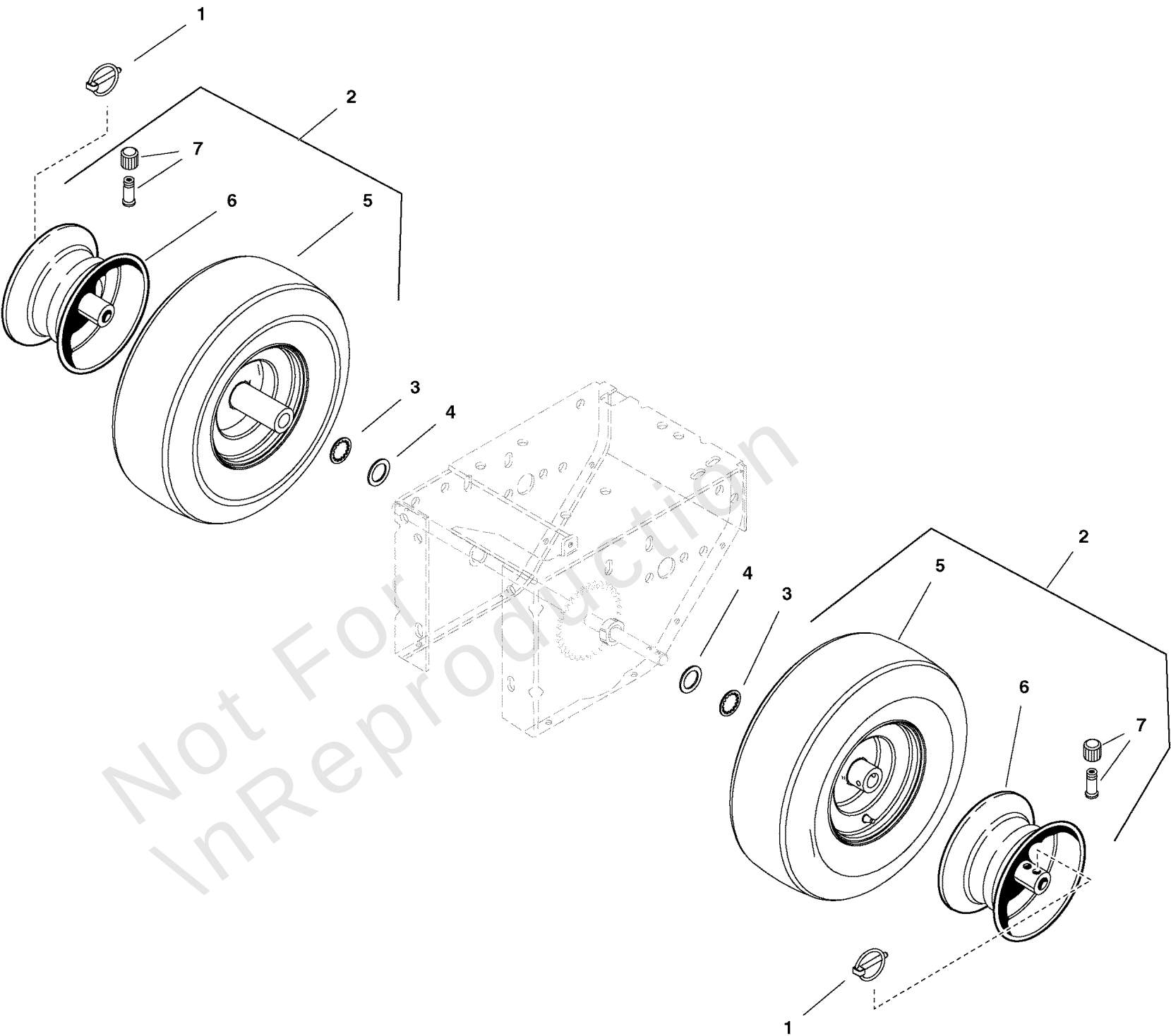
Traction Drive Group

REF NO	PART NO	QTY	DESCRIPTION
1	1920397SM	2	NUT, Hex Lock Esna Light 1/4-20
2	1921959SM	3	CAPSCREW, Hex Head 1/4-20 x 5/8 G5
3	1922837SM	1	CAPSCREW, Hex Head 1/4-20 x 1-1/2 G5
4	1923341SM	2	CAPSCREW, Hex Head 1/4-20 x 3/4 G5
5	1923358SM	2	NUT, Hex Centerlock 1/4-20
6	1924856SM	8	SCREW, Hex Washer Head Taptite 5/16-18 x 1/2
7	1928372SM	3	NUT, Hex Keps 1/4-20
8	1960027SM	2	WASHER, 1/2
9	01X193MA	1	BOLT, Hex 1/4-20 x 1-3/4 G8
10	11X30MA	5	RETAINER, Ring 7/16
12	1501057YZMA	1	PLATE, Swinging
13	1501059YZMA	1	BRACKET, Cable Spool
14	1501089MA	1	WELD, Axle Sprocket
15	1501090MA	1	SPROCKET, Set
16	1501092YZMA	1	AXLE, Swing Plate
17	1501100MA	1	HEX SHAFT & SPROCKET ASSEMBLY
18	1501114MA	2	BEARING, Axle D-Hole
19	1501115MA	1	FRICTION PULLEY ASSEMBLY
20	1501122MA	1	CABLE, Front Drive
21	1501158MA	1	SPACER, Friction Pulley
22	1501435MA	1	WHEEL, Friction
23	1501562MA	1	AXLE
24	1502105YZMA	1	WELD, Spring Link
25	15X114MA	1	NUT, 38-24 FlangeLock
26	165X112MA	3	SPRING, Extension
27	334163MA	4	RETAINER & BUSHING ASSEMBLY
28	337029MA	1	HUB, Friction Wheel & Bearing
29	579851MA	1	CHAIN, Roller
30	579858MA	5	WASHER, Flat
31	579860MA	1	SPOOL CABLE, Auger Control
32	579868MA	1	CHAIN, Roller
33	579944MA	1	BEARING, Flange 1/2 x 7/8
35	1501085YZMA	1	WELD, Speed Select
36	1733326SM	1	RING, Retaining Extension

Wheel & Tire Group

Note: Unless noted otherwise, use the standard torque specifications

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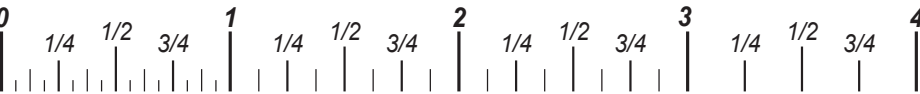
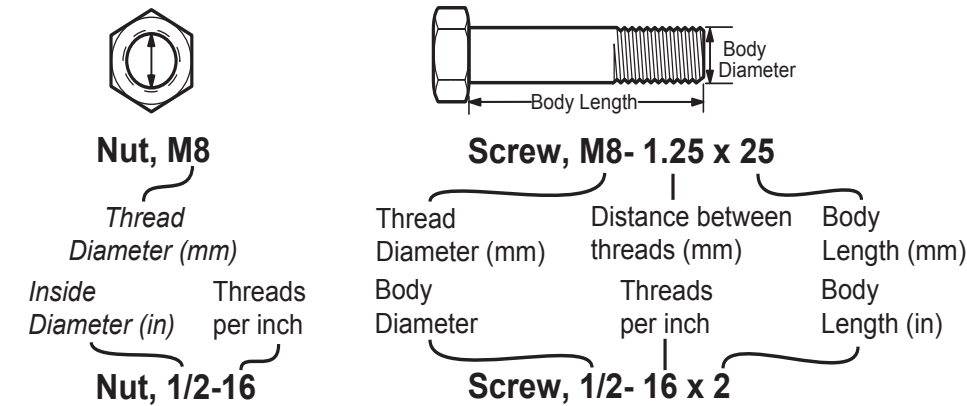
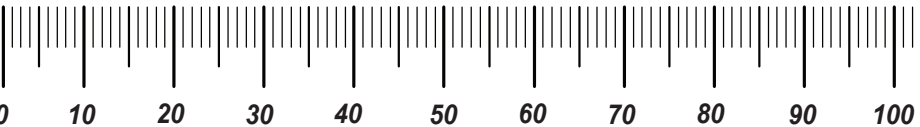
Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
1	1679697SM	2	PIN, Klik
2	1734045SM	2	WHEEL & TIRE ASSEMBLY, 13 x 5
3	1657528SM	2	RETAINING RING, Extension, #75 3/4 Self Lock
4	712120MA	2	WASHER, Flat
5	1734997SM	2	WHEEL, 3.25 Wide 6.00 Diameter
6	1734998SM	2	TIRE, 13 x 6.00 Snow Hog
7	2172353SM	2	VALVE STEM & CAP, Air

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).

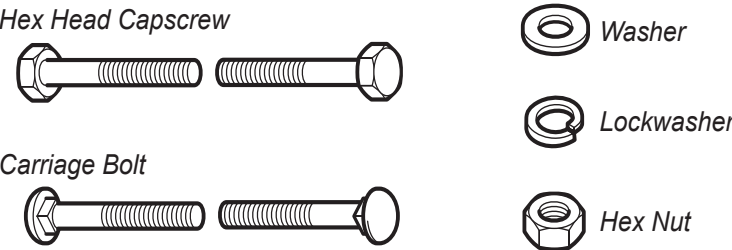
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

