



Parts Manual

Mfg. No: 6210540x116NA
PM50E, Single Stage Snow Thrower
(2007)

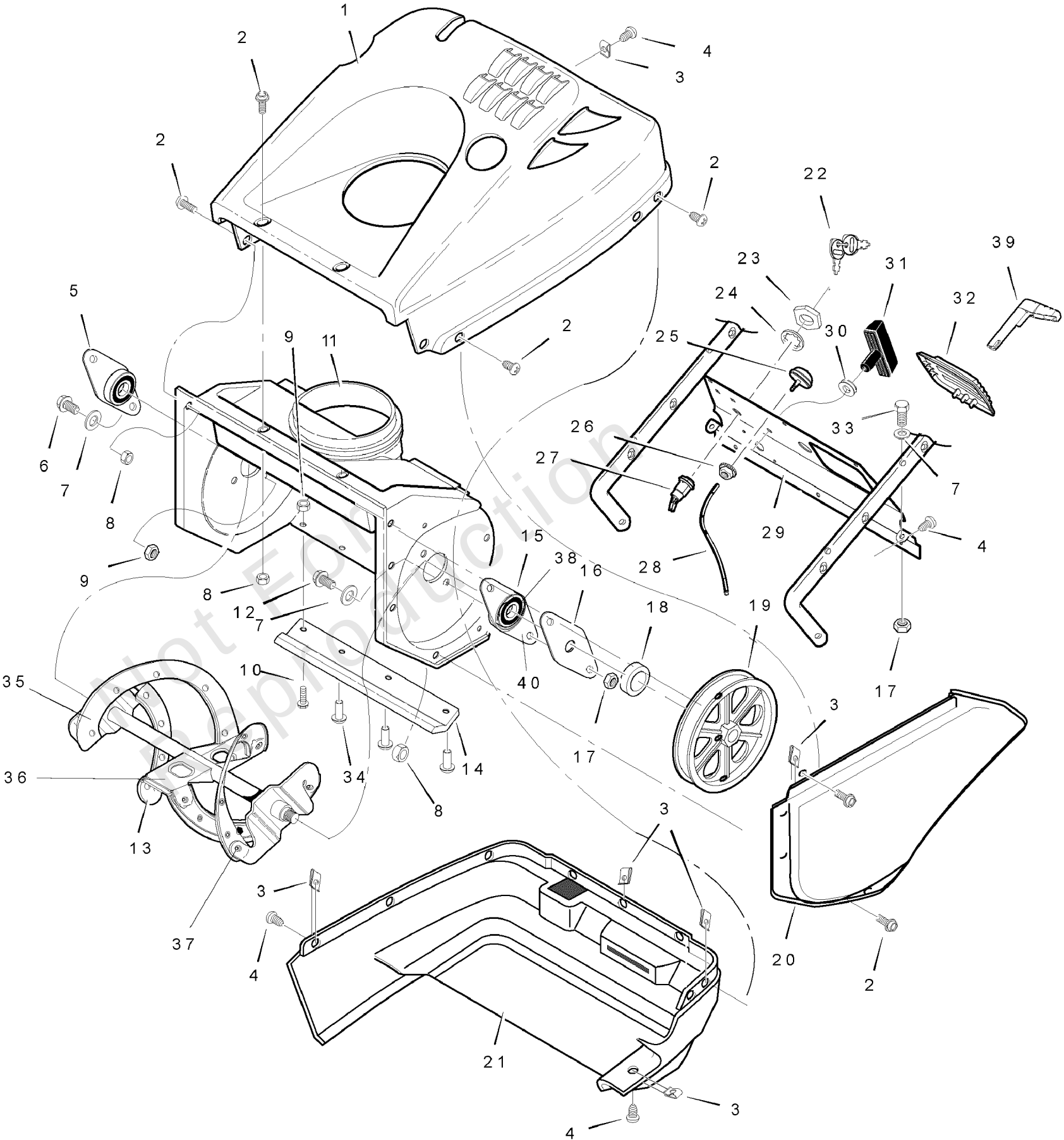
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Auger & Control Assembly

Note: Unless noted otherwise, use the standard torque specifications

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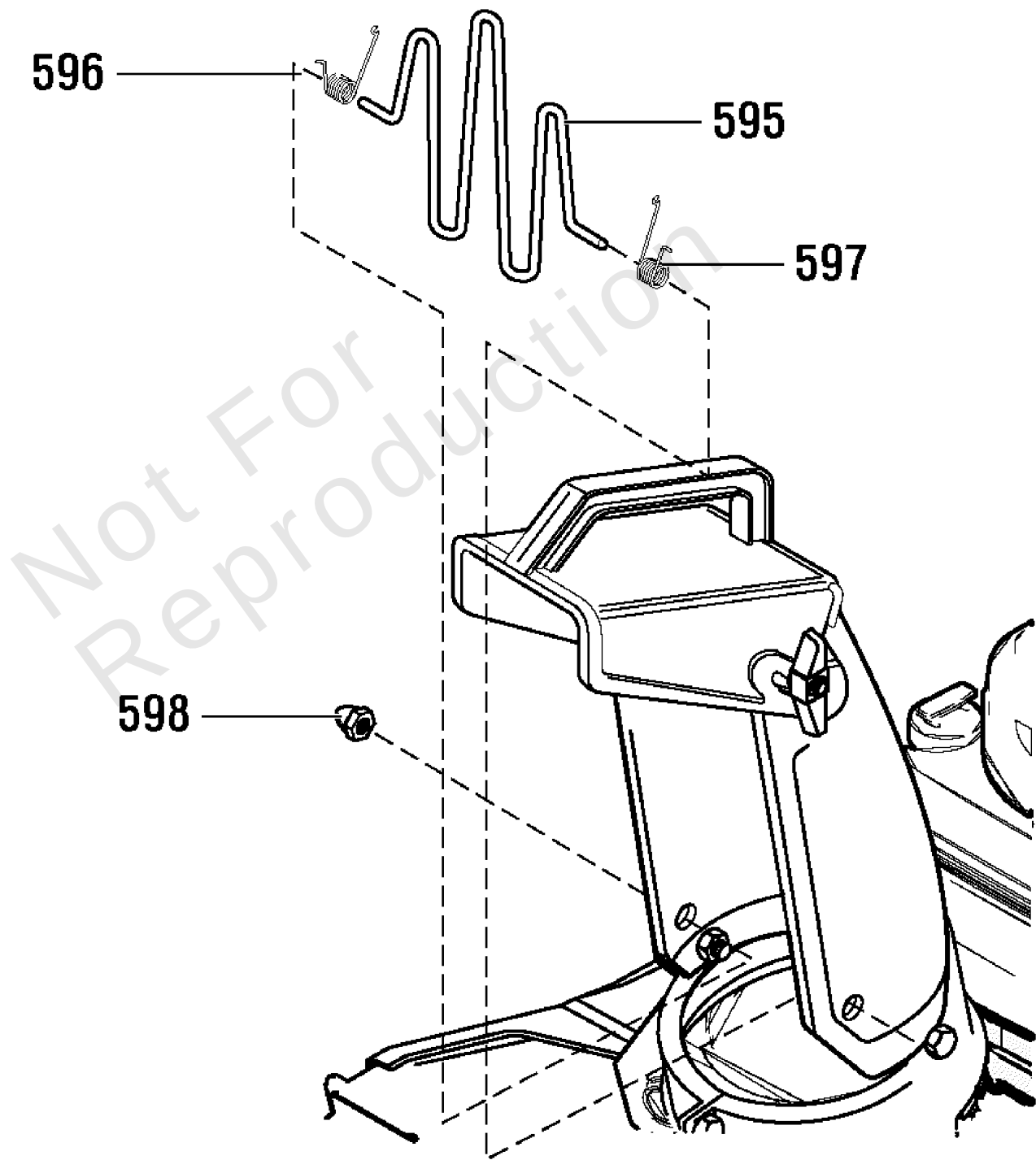
Auger & Control Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	1740057MA		COVER, TOP
2	12342MA		SCREW, #10-24 X 0.50
3	578109MA		NUT, 1/4-10 SPEED J-TYPE
4	313685MA		SCREW, 1/4-14X .75 SL
5	577023MA		BRNG, FLNG
6	710263MA		SCREW, 1/4-20 X 1.00
7	71067MA		WASHER, FLAT
8	312300MA		NUT, #10-24 HEX CONTROL LOCK
9	15X143MA		NUT,25-20 HEX FLG CTR
10	302628MA		SCREW, 1/4-20X .75 HH
11	340091MA		AUGER HOUSING ASSEMBLY
12	579052MA		SCREW.25-20X0.62 HHC
13	1741502MA		AUGER ASSEMBLY, COMPLETE
14	55323MA		BLADE, SCRAPER
15	583459MA		PLATE&BEARING ASY
16	334287MA		LT PLATE, RETAINER BEARING
17	73826MA		NUT, 1/4-20 HEX CONTROL LOCK
18	578101MA		SPACER, SLEEVE
19	333446MA		PULLEY
20	340089MA		COVER, BELT
21	1501705MA		COVER, BOTTOM
22	691959		SET, Key
23	300193MA		NUT, 5/8-32
24	313683MA		WASHER
25	394281S		PRIMER-CARBURETOR
26	271172MA		NUT, 1/4-20 REGHEXKEP
27	56992MA		SWITCH, IGNITION 45 DEG.
28	335507MA		HOSE, PRIMER 9.5"
29	1501706MA		PANEL, CONTROL
30	57587MA		GROMMET & WASHER, ROPE
31	699334		GRIP, Starter Rope
32	1501878MA		PANEL, ACCESS SPARK PLUG
33	313674MA		SCREW, 1/4-20 X 1.25
34	577707MA		RIVET, OFFSET
35	302565MA		BLADE, AUGER
36	335992MA		BLADE,CENTER <57121
37	49838MA		RIVET, .250DIAX.5
38	43846MA		BEARING, BALL
39	791534		KNOB-CHOKE SHAFT
40	580251MA		RETAINER, BEARING

Chute Guard

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Chute Guard

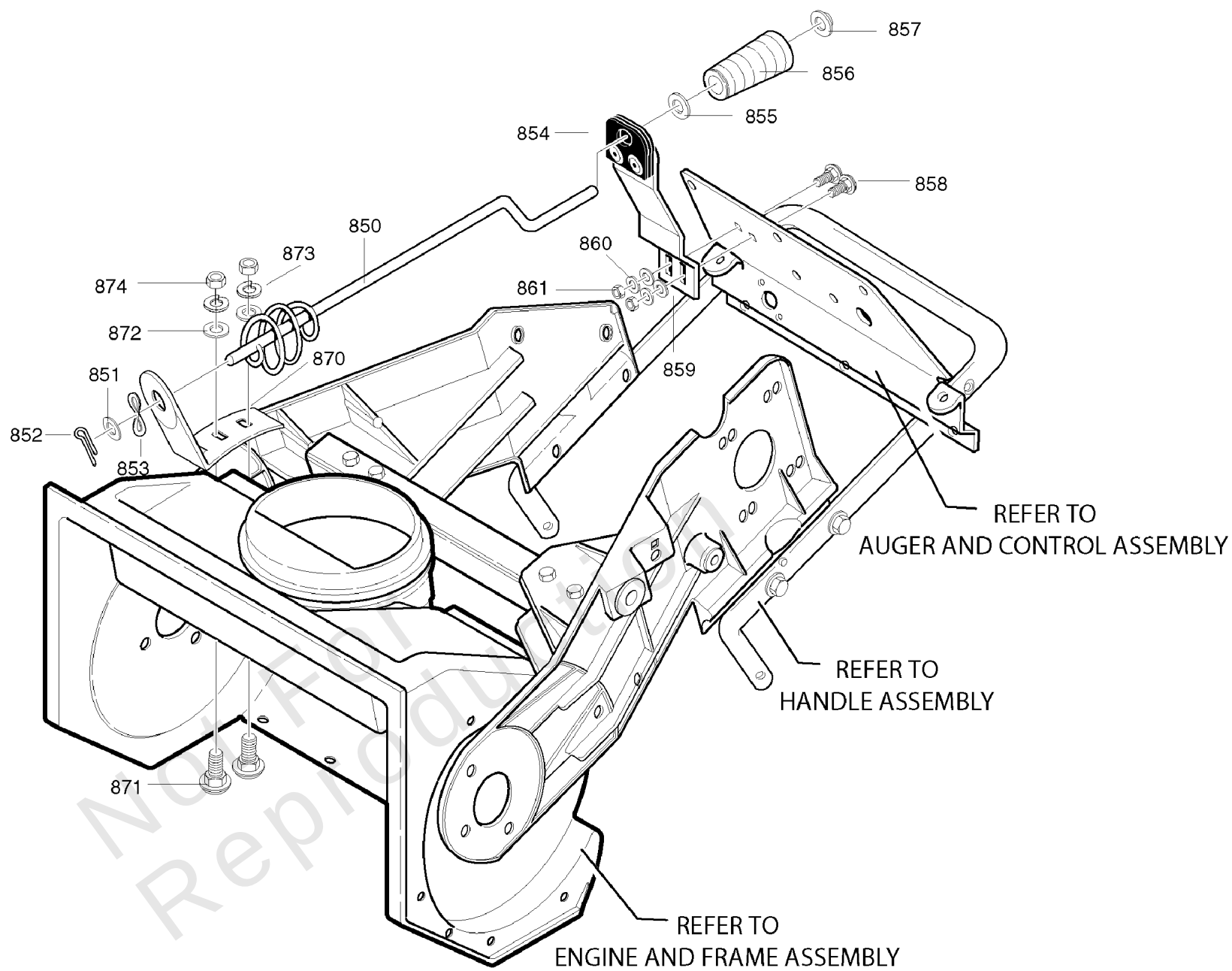
REF NO	PART NO	QTY	DESCRIPTION
595	311206MA		GUARD, WIRE CHUTE LOWER
596	51776MA		SPRING, TORSION CHUTE
597	51777MA		SPRING, TORSION CHUTE
598	49106MA		NUT, ACORN

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Chute Rod Assembly

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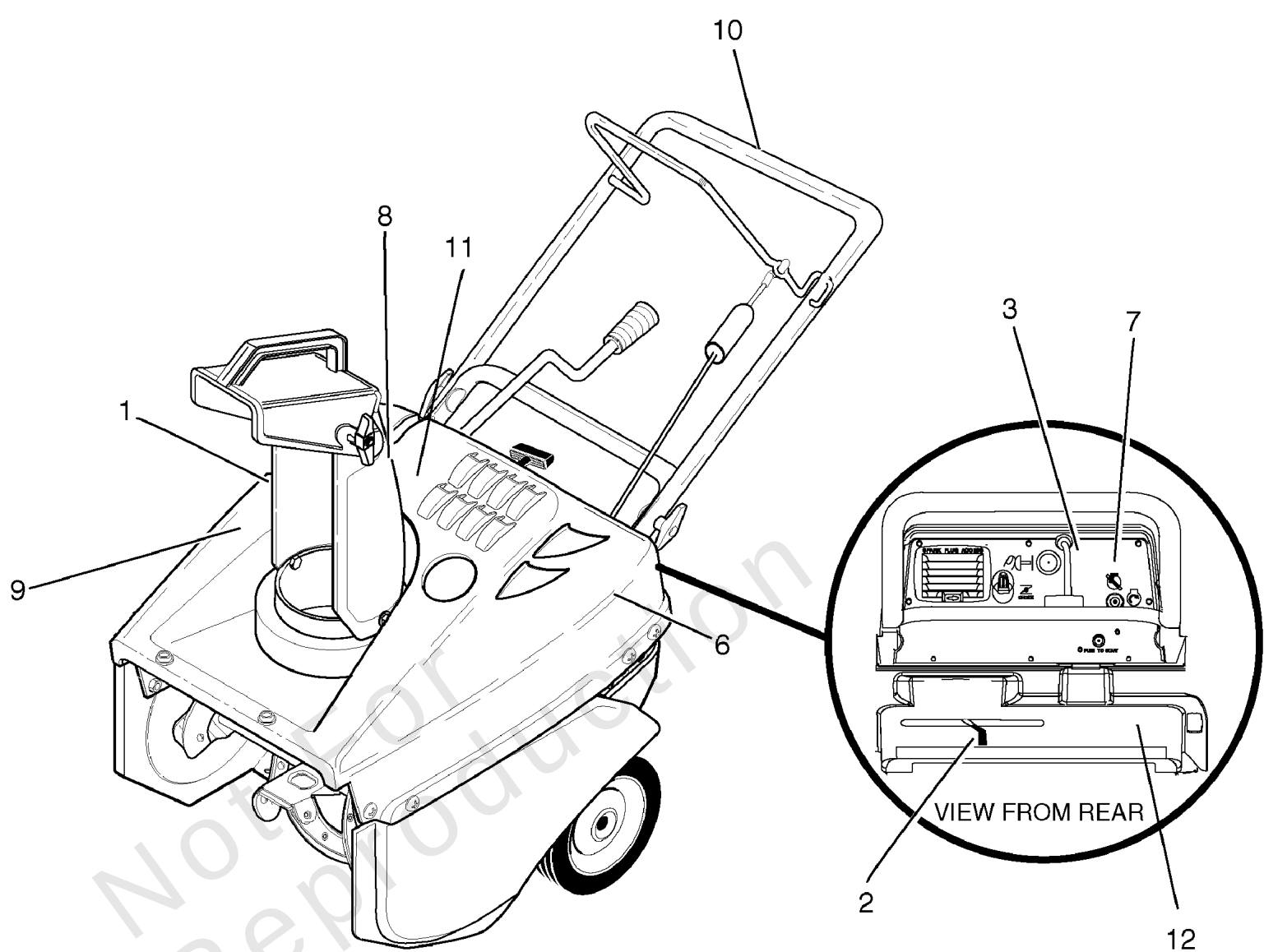
Chute Rod Assembly

REF NO	PART NO	QTY	DESCRIPTION
850	337941MA		ROD, CHUTE
851	71072MA		WASHER, FLAT .406X.81
852	71082MA		PIN, COTTER
853	313431MA		WASHER, CURVED SPRING
854	335264MA		ASSY, CHUTE CRANK BRACKET
855	71072MA		WASHER, FLAT .406X.81
856	57082MA		KNOB, SLEEVE
857	331532MA		NUT, PUSH, FITS 3/8 D
858	340715MA		BOLT, 1/4-20 X .63 CARRIAGE
859	71071MA		WASHER, FLAT .349 X .69 X .065
860	71060MA		WASHER, SPLIT LOCK .31 X .58 X .08
861	71034MA		NUT, 1/4-20 HEX
870	333946E701MA		BRKT, CHUTE ROTATE
871	340720MA		BOLT, 5/16-18 X .75 CARRIAGE
872	71071MA		WASHER, FLAT .349 X .69 X .066
873	71060MA		WASHER, SPLIT LOCK .31 X .58 X .08
874	71037MA		NUT, 5/16-18 HEX

Decals

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Decals

REF NO	PART NO	QTY	DESCRIPTION
1	-----		DECAL, EPA 5HP, MASS *
2	48X5388MA		DECAL, ELECTRIC START
3	48X5387MA		DECAL, CONTROL PANEL
6	48X5999MA		DECAL, HOT SURFACE
7	48X5388MA		DECAL, ELECTRIC START
8	48X5994MA		DECAL, DANGER CHUTE
9	48X5995MA		DECAL, DANGER AUGER, FOOT
10	48X5998MA		DECAL, AUGER ENGAGE
12	1741486MA		DECAL, McCULLOCH
13	-----		DECAL, 104db EXPORT *

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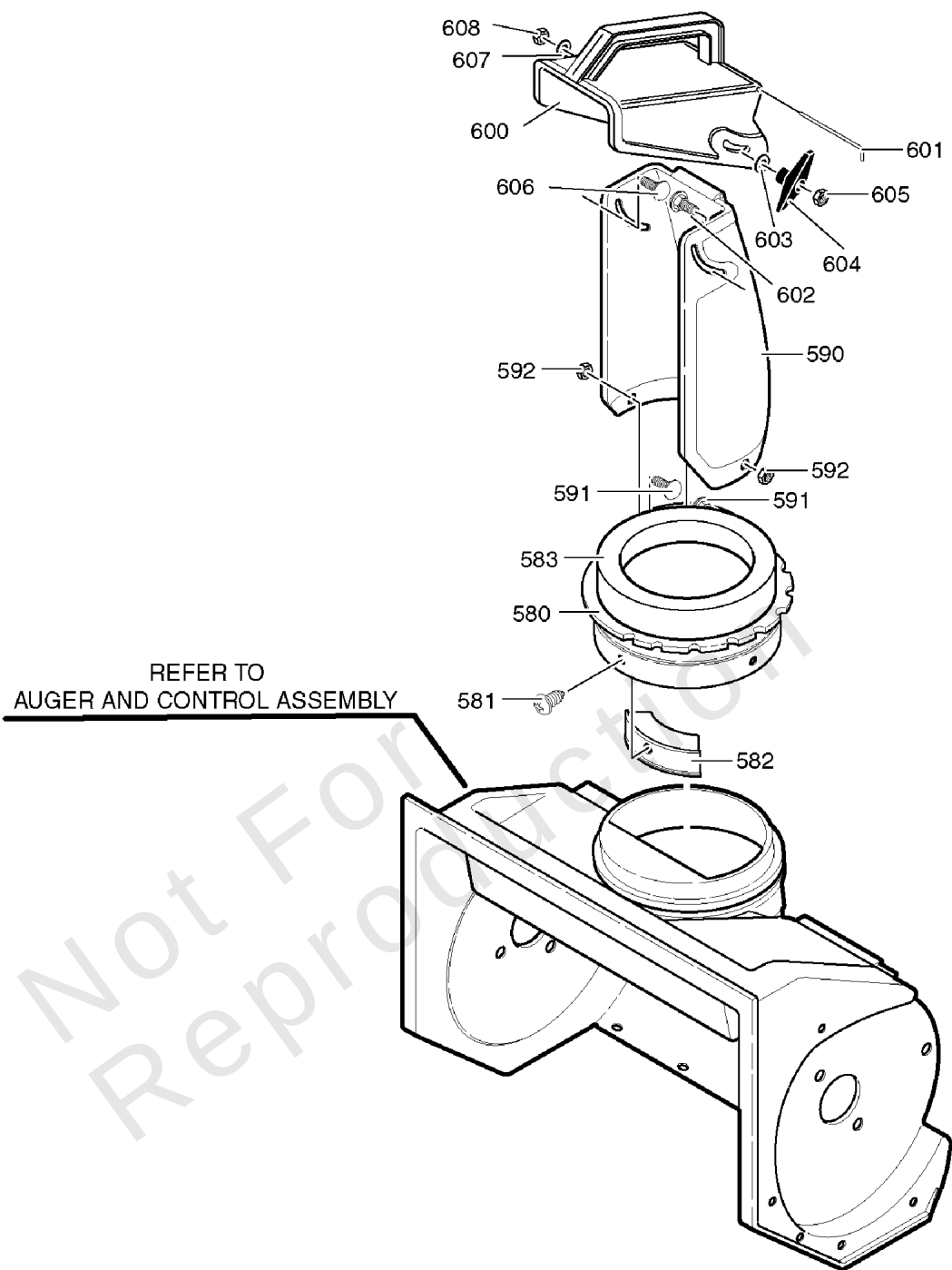
Footnotes:

Note* Not a serviceable part.
Note* Not a Serviceable Part.

Discharge Chute

Note: Unless noted otherwise, use the standard torque specifications

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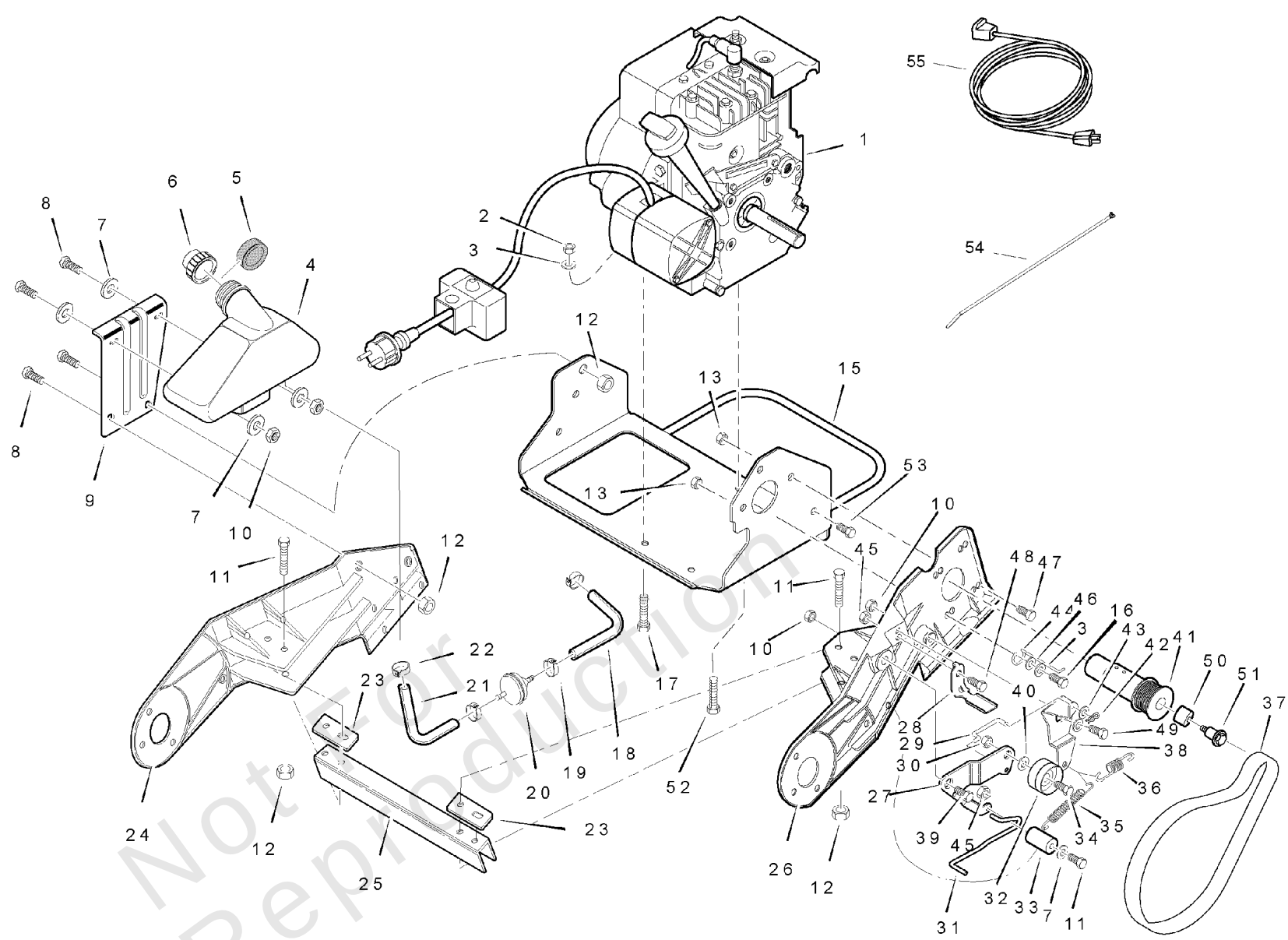
Discharge Chute

REF NO	PART NO	QTY	DESCRIPTION
580	333859MA		RING, CHUTE
581	711752MA		SCREW, #10 X .50
582	577021MA		GUIDE, CHUTE
583	762173MA		DONUT FOAM
590	305862MA		CHUTE,LWR 21 653BLK
591	302628MA		SCREW, 1/4-20X .75 HH
592	15X143MA		NUT,25-20 HEX FLG CTR
600	305861MA		CHUTE DELFECTOR, UPPER
601	310562MA		WIRE, CHUTE HINGE
602	302843MA		BOLT, 5/16-18X1.25 CA
603	71071MA		WASHER, FLAT .349 X .69 X .066
604	57171MA		KNOB, WING
605	71037MA		NUT, 5/16-18
606	578088MA		SCREW, 5/16-18X .75SL
607	71071MA		WASHER, FLAT .349 X .69 X .066
608	71391MA		NUT.31-18 HEX CTRLK

Engine & Frame Assembly

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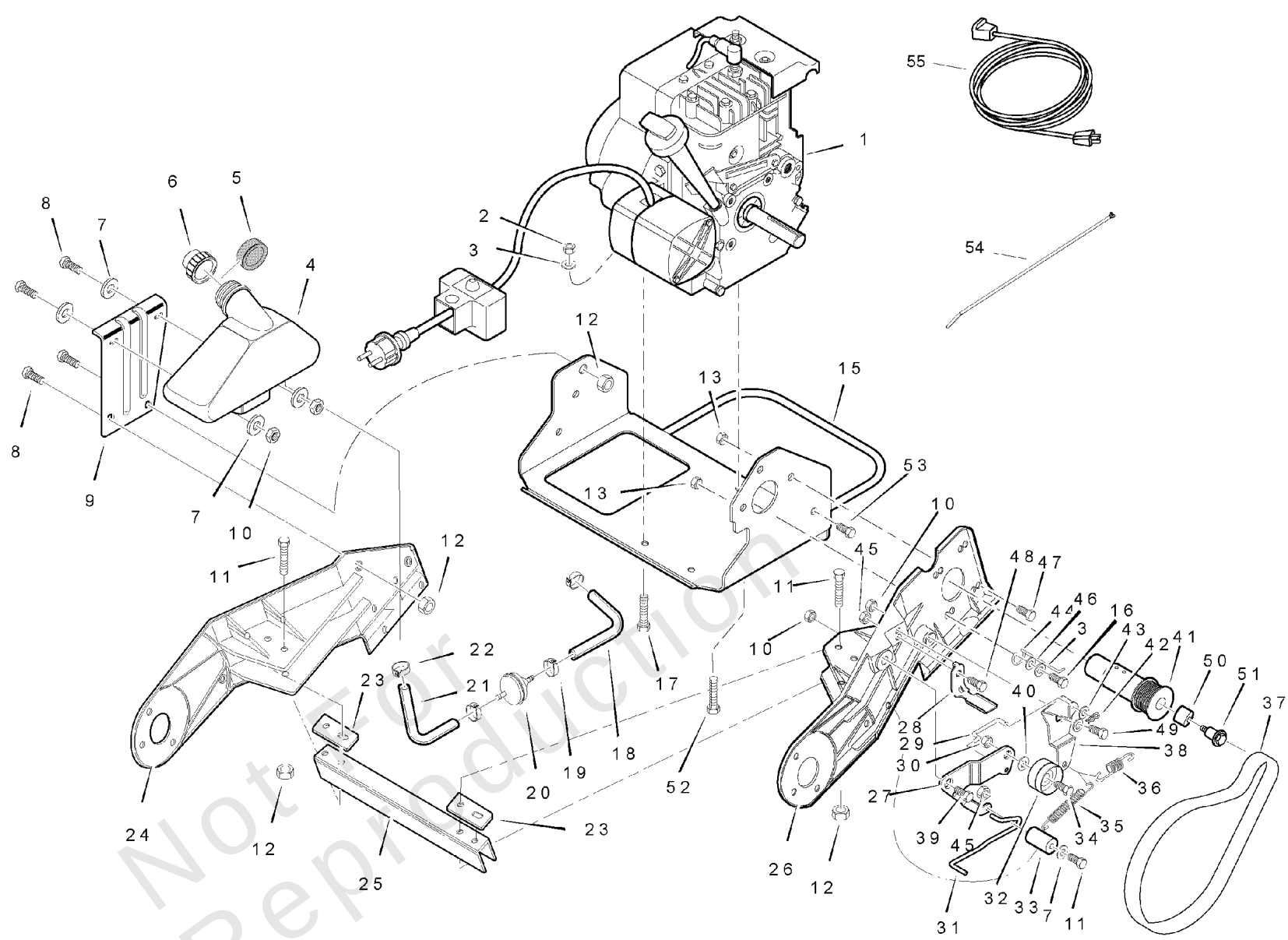
Engine & Frame Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	-----		ENGINE -(9A4A130203E1)
2	71037MA		NUT, 5/16-18
3	71060MA		WASHER, SPLIT LOCK .31 X .58 X .08
4	333739MA		TANK, FUEL 1.5QT
5	762224MA		RING, FOAM FUEL TANK
6	1501726MA		CAP, FUEL
7	71067MA		WASHER, FLAT
8	302628MA		SCREW, 1/4-20X .75 HH
9	333749E701MA		BRACKET, FUEL TANK
10	271163MA		NUT, 8-32 HEX KEPS
11	180044MA		SCREW, 1/4-20 X 2.00
12	71034MA		NUT, 1/4-20 HEX
13	71391MA		NUT.31-18 HEX CTRLK
15	1501744E701MA		CRADLE, WELDMENT
16	180077MA		BOLT, 5/16-18 X 0.75
17	001X81MA		BOLT, ENGINE MOUNT
18	1502028MA		HOSE, FUEL 12 INCHES -(CUT TO 6 INCH LENGTH)
19	323387MA		CLAMP, FUEL LINE
20	298090S		FILTER-FUEL
21	1502028MA		HOSE, FUEL 12 INCHES -(CUT TO 8 INCH LENGTH)
22	47345MA		CLAMP, SCREW TYPE
23	335351MA		PLATE, BOLTING SUPPORT
24	1501871E701MA		FRAME, RIGHT HAND
25	333987MA		CHANNEL, FRAME SUPPORT
26	1501872E701MA		FRAME, LEFT HAND
27	320077MA		LF ARM, IDLER BRACKET
28	333970MA		BRAKE PAD
29	313436MA		ROD, CLUTCH LINKAGE
30	590MA		NUT, 3/8-16 JAM CONTROL LOCK
31	1501009MA		WIRE, BRAKE
32	48924MA		PULLEY, IDLER
33	1501010MA		ROLLER, PINCH
34	302637MA		SCREW, 3/8-16 X 1.50
35	313473MA		SPRING, EXTENSION .38 OD X .039 X 2.50
36	313471MA		SPRING,EXT.75 OD X.06
37	333721MA		BELT
38	313444MA		ARM, IDLER PIVOT
39	333594MA		BOLT-SHD.500X.177 .31
40	301188MA		WASHER, FLAT
41	1501908MA		PULLEY, ENGINE
42	121223MA		PIN, COTTER
43	414106MA		WASHER, FLAT #8
44	334079MA		GUIDE, BELT
45	73826MA		NUT, 1/4-20
46	71071MA		WASHER
47	48901MA		SCREW 5/16-18 X 0.63 WAHHC
48	579052MA		SCREW.25-20X0.62 HHC
49	311633MA		SCREW, 8-32 X 3.00
50	1740037MA		SPACER, DRIVE PULLEY

Engine & Frame Assembly

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Engine & Frame Assembly

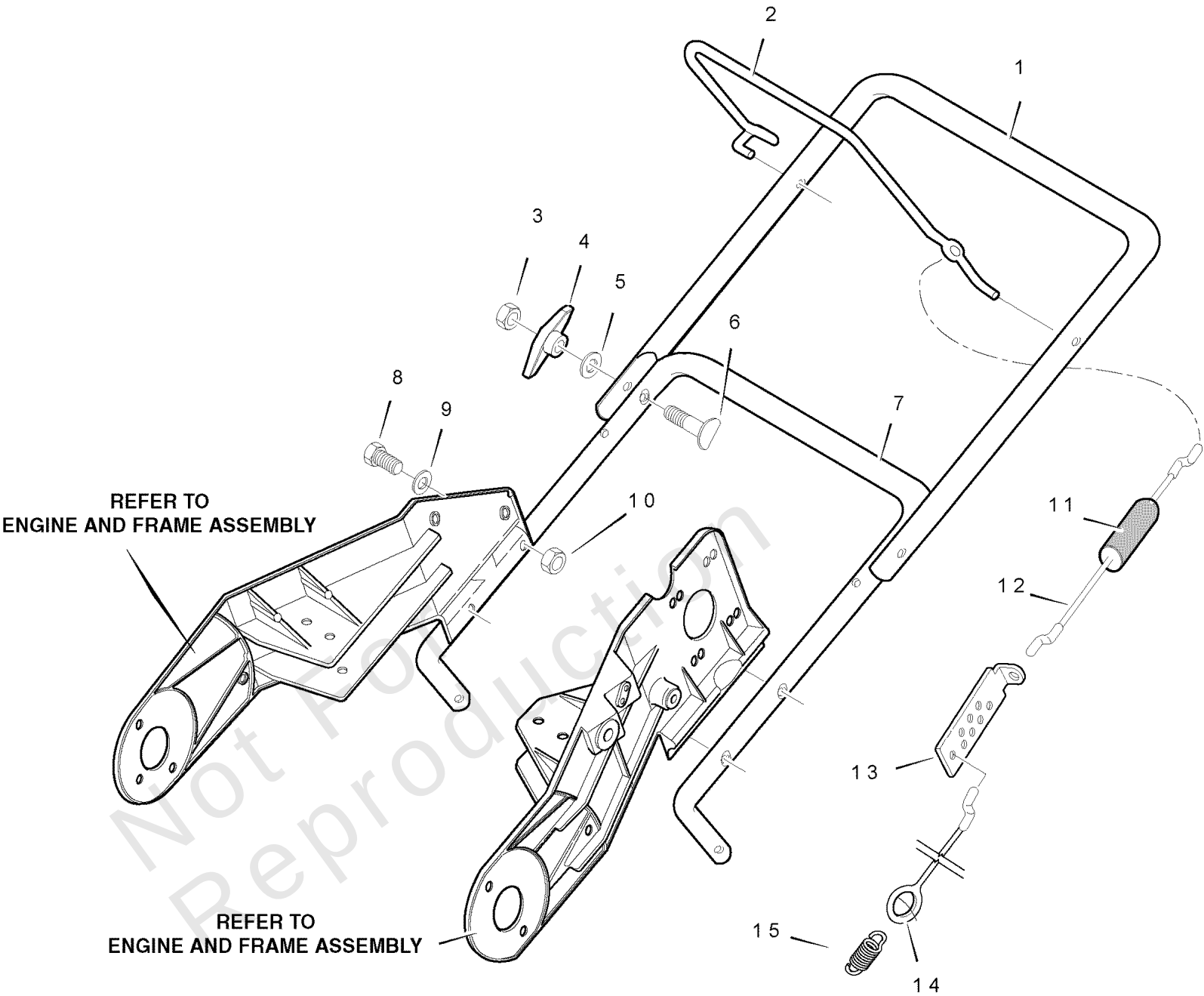
REF NO	PART NO	QTY	DESCRIPTION
51	1501907MA		BOLT, ENGINE PULLY
52	1X216MA		BOLT, 5/16-18 X 0.865
53	310169MA		SCREW, 1/4-20X .63 WA
54	57444MA		TIE, CABLE
55	761332MA		CORD, ELECTRIC 10FT. 220V

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Handle Assembly

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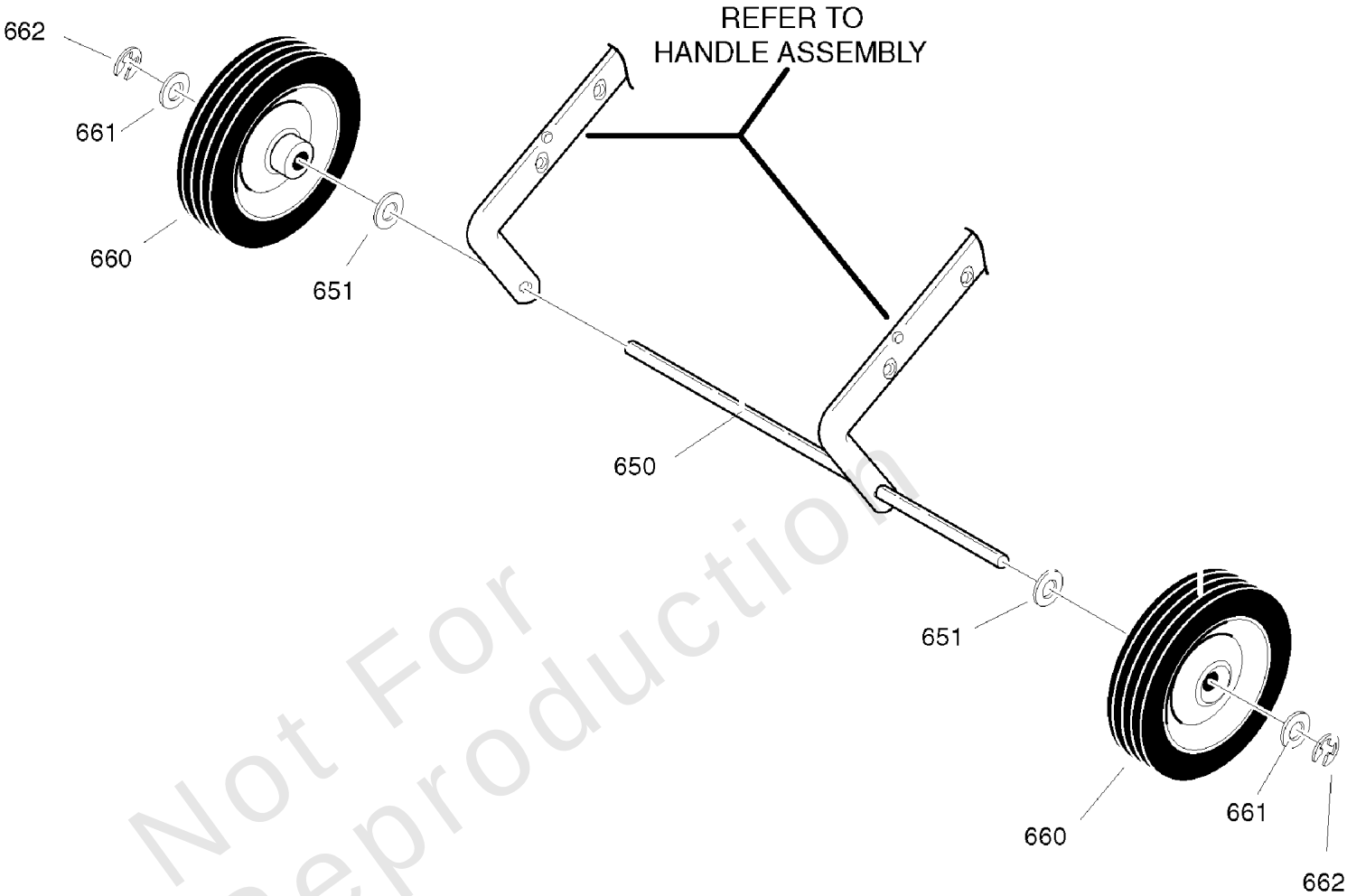
Handle Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	333919E701MA		HANDLE, UPPER
2	313308E701MA		BAIL, CONTROL
3	71037MA		NUT, 5/16-18 HEX
4	57171MA		KNOB, WING
5	311936MA		WASHER, FORM .344 ID
6	337584MA		BOLT, 5/16-18X2.00 CU
7	333909E701MA		HANDLE, LOWER
8	313674MA		SCREW, 1/4-20 X 1.25
9	71067MA		WASHER, FLAT
10	73826MA		NUT, 1/4-20 HEX
11	308146MA		BOOT, CLUTCH SPRING
12	313449MA		CABLE, UPPER CONTROL
13	313441MA		BRACKET, CABLE ADJ BL
14	313448MA		CABLE, LOWER CONTROL
15	313471MA		SPRING,EXT.75 OD X.06

Wheels

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Wheels

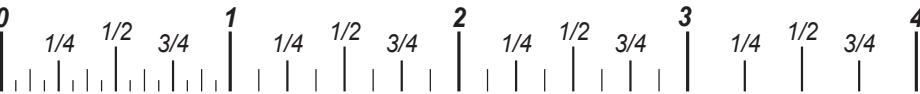
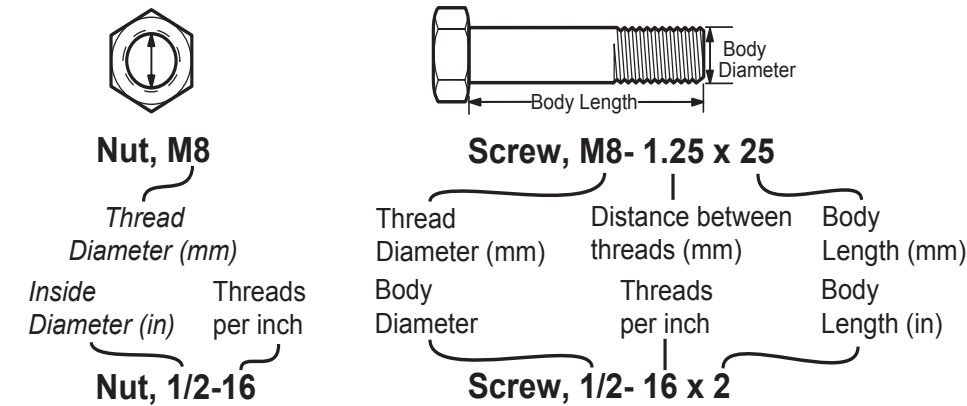
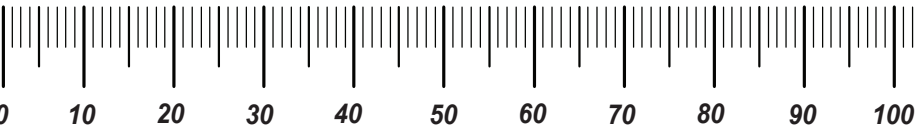
REF NO	PART NO	QTY	DESCRIPTION
650	313678MA		AXLE, 20.53 WHL 20/21
651	583409MA		WASHER, FLAT .391 X 1.00 X .125
660	1740063MA		TIRE & RIM
661	583409MA		WASHER, FLAT .391 X 1.00 X .125
662	577598MA		RING, RET E .30X.04TR

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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).

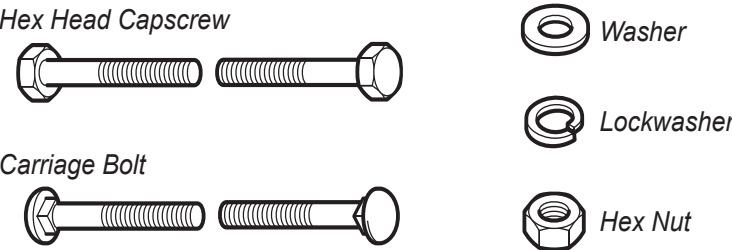
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

