



JOHN DEERE

Parts Manual

Mfg. No: 620351x16NB
Single Stage Snow Thrower (2004)

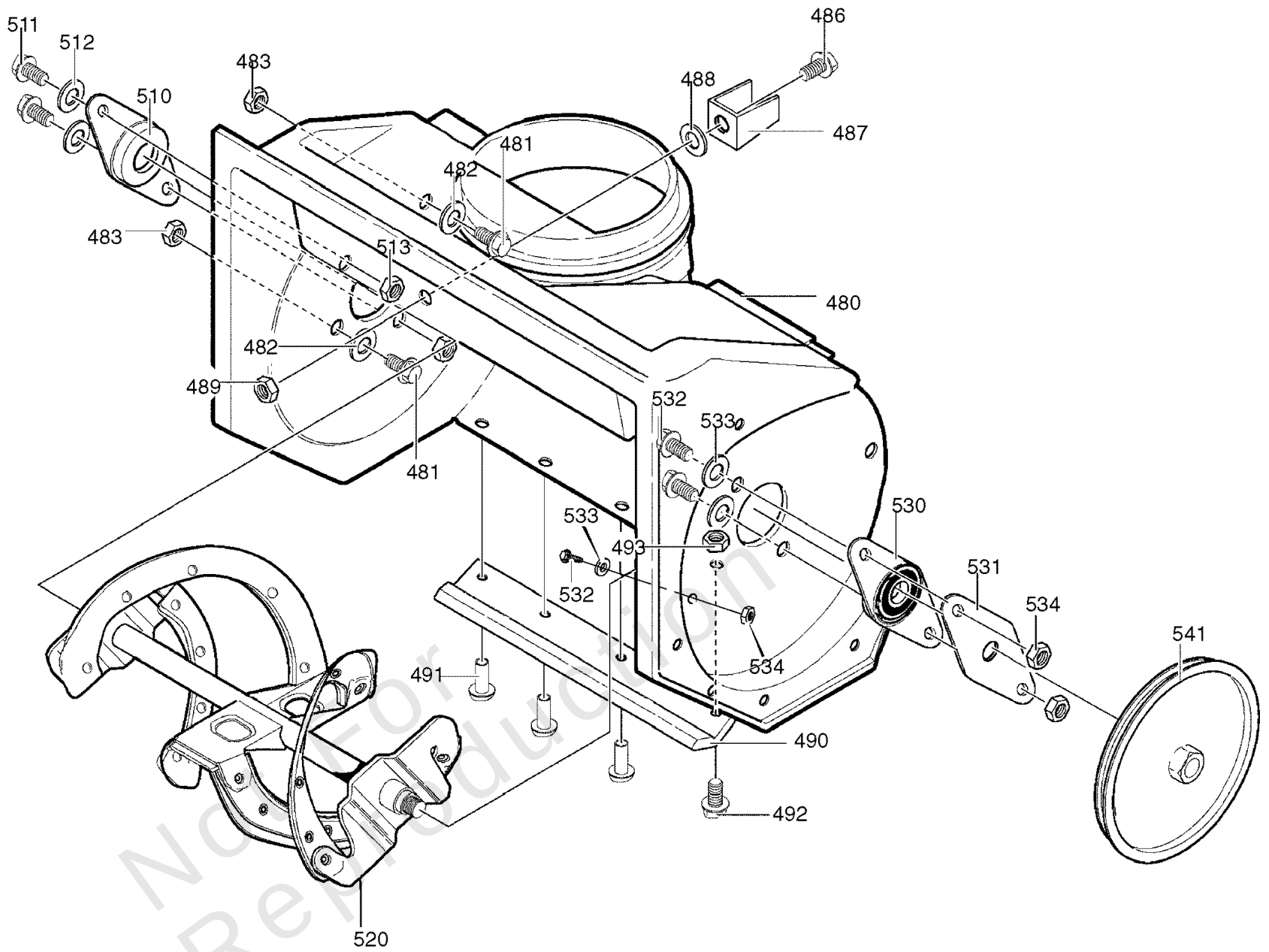
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Not For
Reproduction

Auger Housing

Note: Unless noted otherwise, use the standard torque specifications

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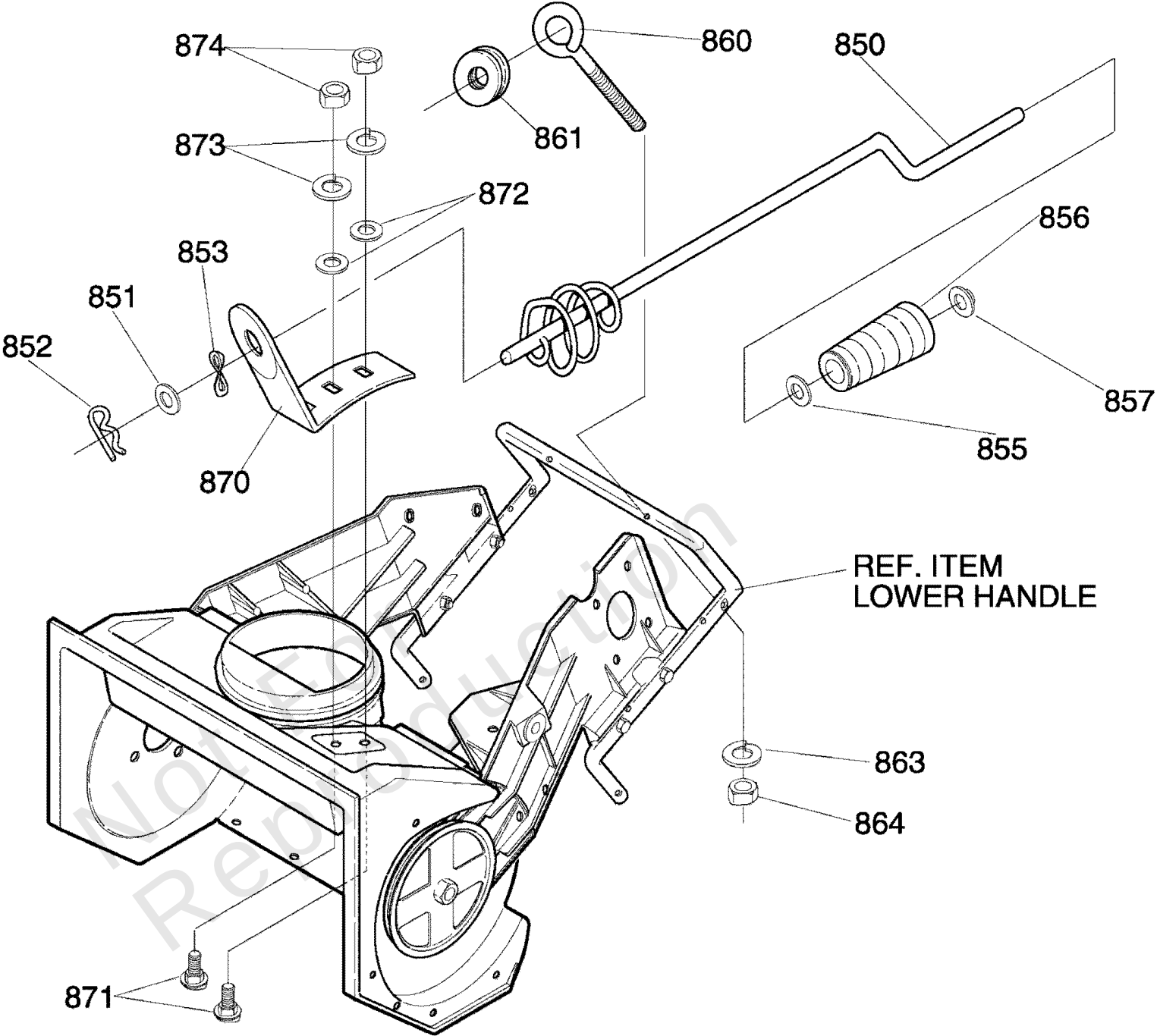
Auger Housing

REF NO	PART NO	QTY	DESCRIPTION
480	MT330312		HOUSING, ASSY
481	MT302628		SCREW, 1/4-20X.75
482	MT71067		WASHER, FLAT .281X.63X.065
483	MT15X143		NUT, HEX 1/4-20 YZ
486	MT579052		SCREW, 1/4-20X.63
487	MT331126		BRACKET, STOP
488	MT331211		WASHER, FLAT .333X.87X.119
489	MT780029		NUT, 1/4-20 HEX NYLOCK
490	MT334031		BLADE, SCRAPER
491	MT577707		RIVET, OVSET
492	MT302628		SCREW, 1/4-20X.75
493	MT15X143		NUT, 1/4-20 YZ
510	MT577023		BEARING, FLANGE
511	MT710263		SCREW, 1/4-20X1.00
512	MT71067		WASHER, FLAT .281X.63X.065
513	MT15X143		NUT, 1/4-20
520	MT1501926		AUGER, ASSY
520-2	302565		BLADE, AUGER
520-6	49838		RIVET
520-8	335992		BLADE, CENTER
520-10	302552		AUGER & BLADE SUPPORT
530	MT583459		BEARING & PLATE ASSY
531	MT334287		PLATE, RETAINER
532	MT579052		SCREW, 1/4-20X.63
533	MT71067		WASHER, FLAT .281X.63X.065
534	MT73826		NUT, 1/4-20
541	MT338965		PULLEY

Chute Rod Assembly

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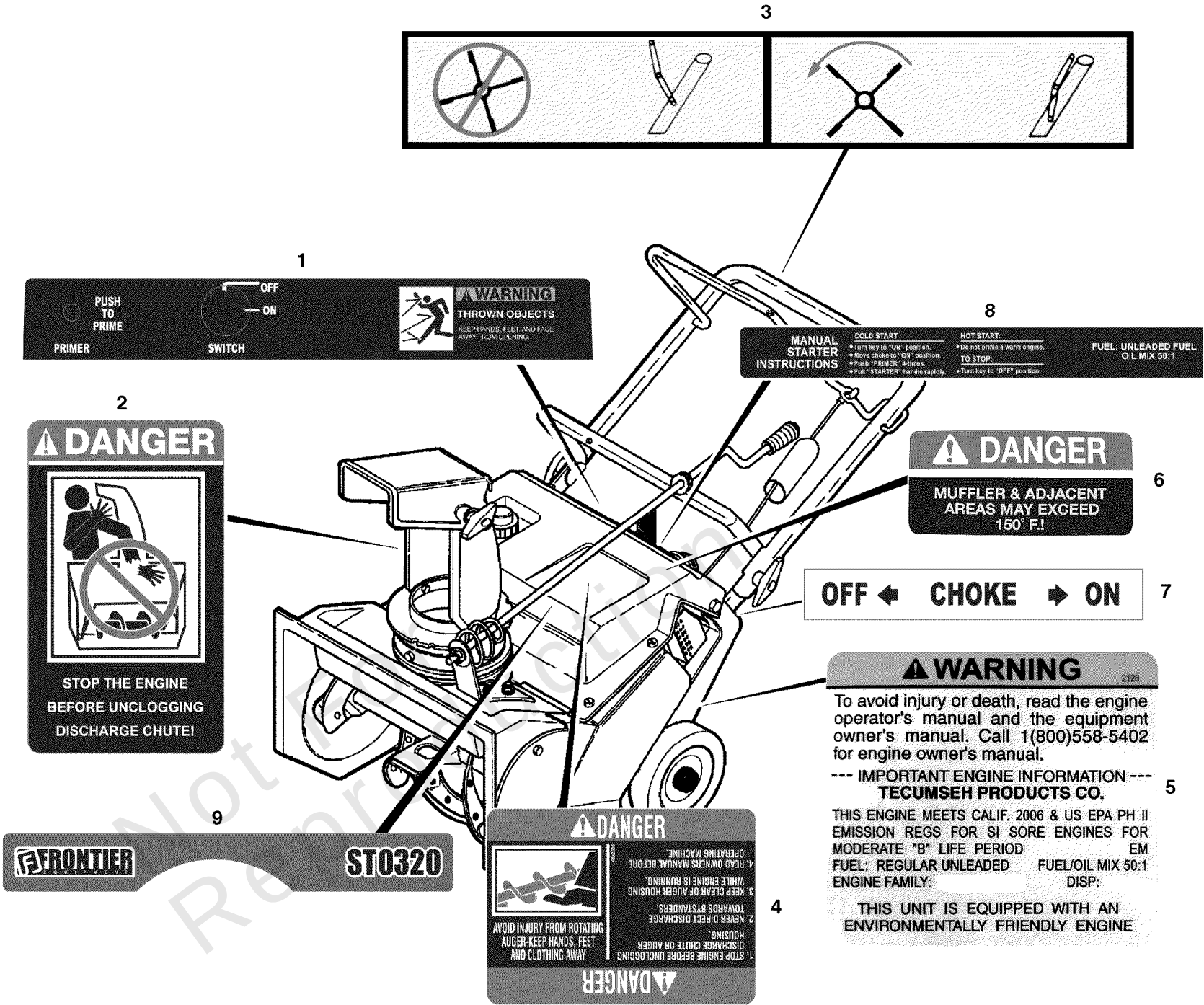


Chute Rod Assembly

REF NO	PART NO	QTY	DESCRIPTION
850	MT314996		ROD, ASSY UPPER CHUTE CONTROL
851	MT71072		WASHER, FLAT .406X.81X.066
852	MT71082		PIN, COTTER
853	MT313431		WASHER, CURVED SPRING
855	MT71072		WASHER, FLAT .406X.81X.066
856	MT57082		KNOB, SLEEVE
857	MT331532		NUT, PUSH
860	MT313712		BOLT, EYE 3/8-16X2.00
861	MT148		GROMMET, EYE BOLT
863	MT71062		WASHER
864	MT71045		NUT, HEX JAM 3/8-16
870	MT333946E701		BRACKET, CHUTE ROTATE
871	MT340720		BOLT, CARRIAGE 5/16-18X.75
872	MT71071		WASHER, FLAT .349X.69X.066
873	MT71060		WASHER .328X.60X.09
874	MT71037		NUT, HEX 5/16-18

Decals

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 620351x16NB



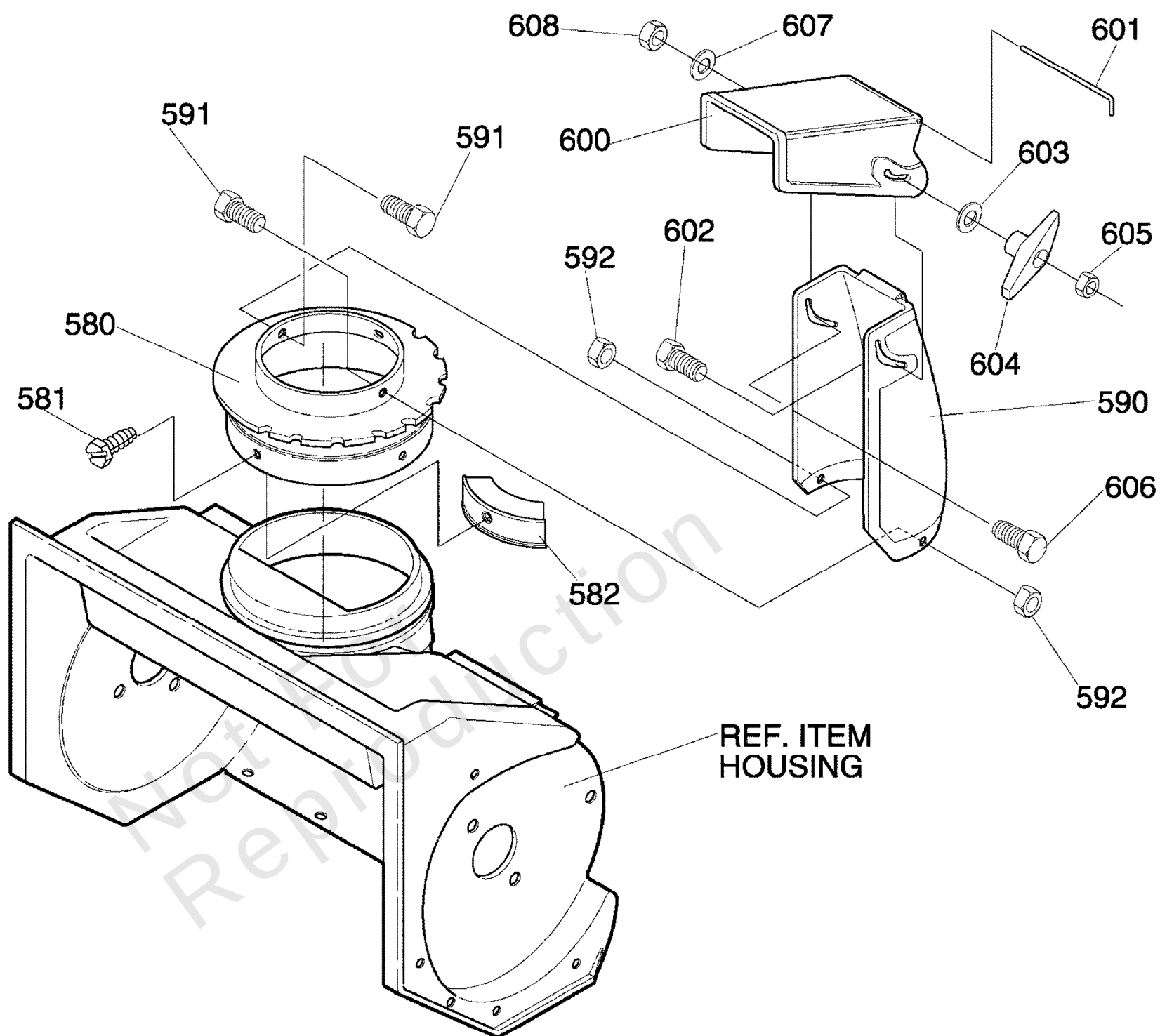
Decals

REF NO	PART NO	QTY	DESCRIPTION
1	MT48X5258		DECAL, THROWN OBJECTS
2	MT48X5642		DECAL, DANGER CHUTE HAND
3	MT337524		DECAL, STOP LEVER
4	MT48X2036		DECAL, ROTATING AUGER
5	MT48X5639		DECAL, TECUMSEH PRODUCTS CO.
6	MT69880		DECAL, HOT MUFFLER
7	MT318494		DECAL, CHOKE ON/OFF
8	MT48X5259		DECAL, MANUAL STARTER INSTRUCTIONS
9	MT48X5257		DECAL, FRONTIER ST0320
*	MTF-041007C		OPERATOR'S MANUAL

Discharge Chute

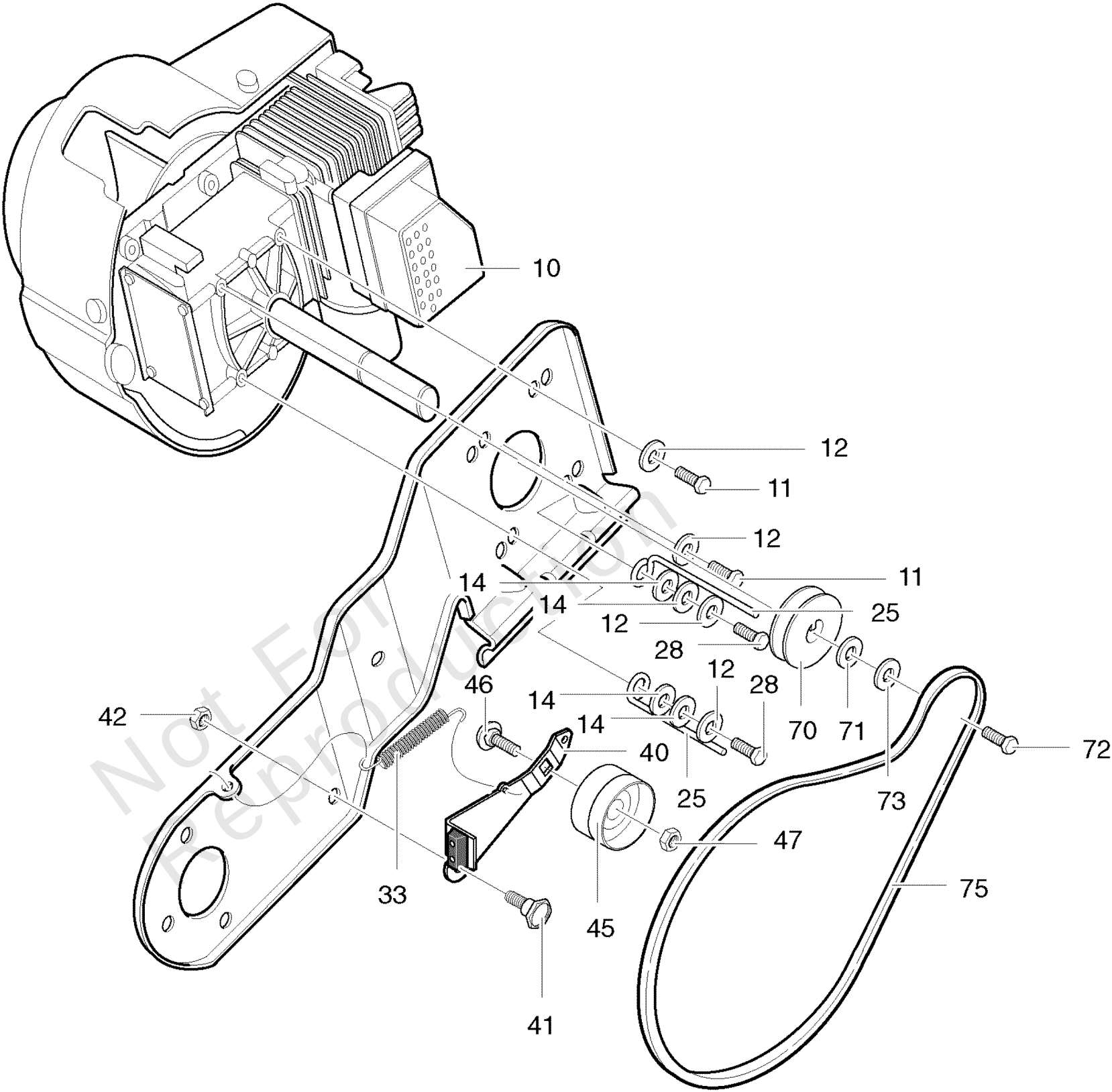
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Discharge Chute

REF NO	PART NO	QTY	DESCRIPTION
580	MT314239		RING, CHUTE
581	MT711752		SCREW, #10X.50
582	MT577021		GUIDE, CHUTE
590	MT334234		CHUTE, LOWER
591	MT313686		SCREW 1/4-20X.50
592	MT15X143		NUT, 1/4-2 YZ
600	MT325847		CHUTE, UPPER
601	MT308931		WIRE, HINGE
602	MT302843		BOLT, CARRIAGE 5/16-18X1.25
603	MT71071		WASHER, FLAT .349X.69X.066
604	MT57171		KNOB, T
605	MT71037		NUT, HEX 5/16-18
606	MT578088		SCREW, 5/16-18 x 0.75
607	MT71071		WASHER, FLAT .349X.69X.066
608	MT71391		NUT, HEX 5/16-18



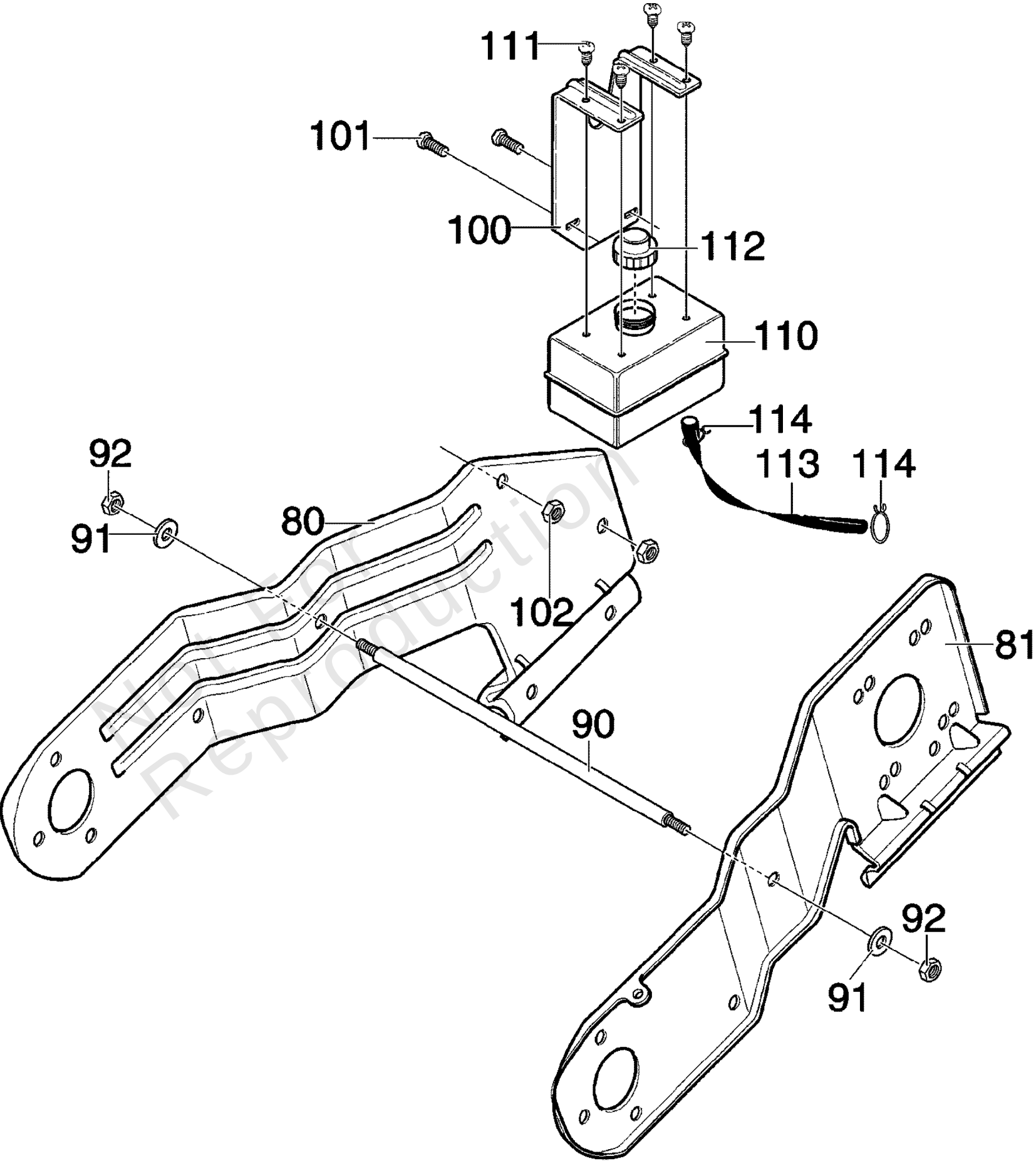
Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
10	-----		ENGINE
11	MT313676		SCREW, 5/16-18 X.75
12	MT71060		WASHER
14	MT71071		WASHER, FLAT
25	MT313440		GUIDE, BELT
28	MT710312		SCREW
33	MT339017		SPRING, IDLER BRAKE
40	MT1501013		ASSY, IDLER BRAKE ARM
41	MT333594		BOLT
42	MT71391		NUT, 5/16-18
45	MT48924		PULLEY, IDLER
46	MT45892		BOLT, CARRIAGE
47	MT590		NUT
70	MT338849		PULLEY, ENGINE
71	MT25840		WASHER, BELLEVILLE
72	MT181595		SCREW, 5/16-24X.75
73	MT71060		WASHER, SPLTLK
75	MT37X132		BELT V 3L 34.8"
—	MTF-041007C		OPERATOR'S MANUAL

Frame Components Assembly

Note: Unless noted otherwise, use the standard torque specifications

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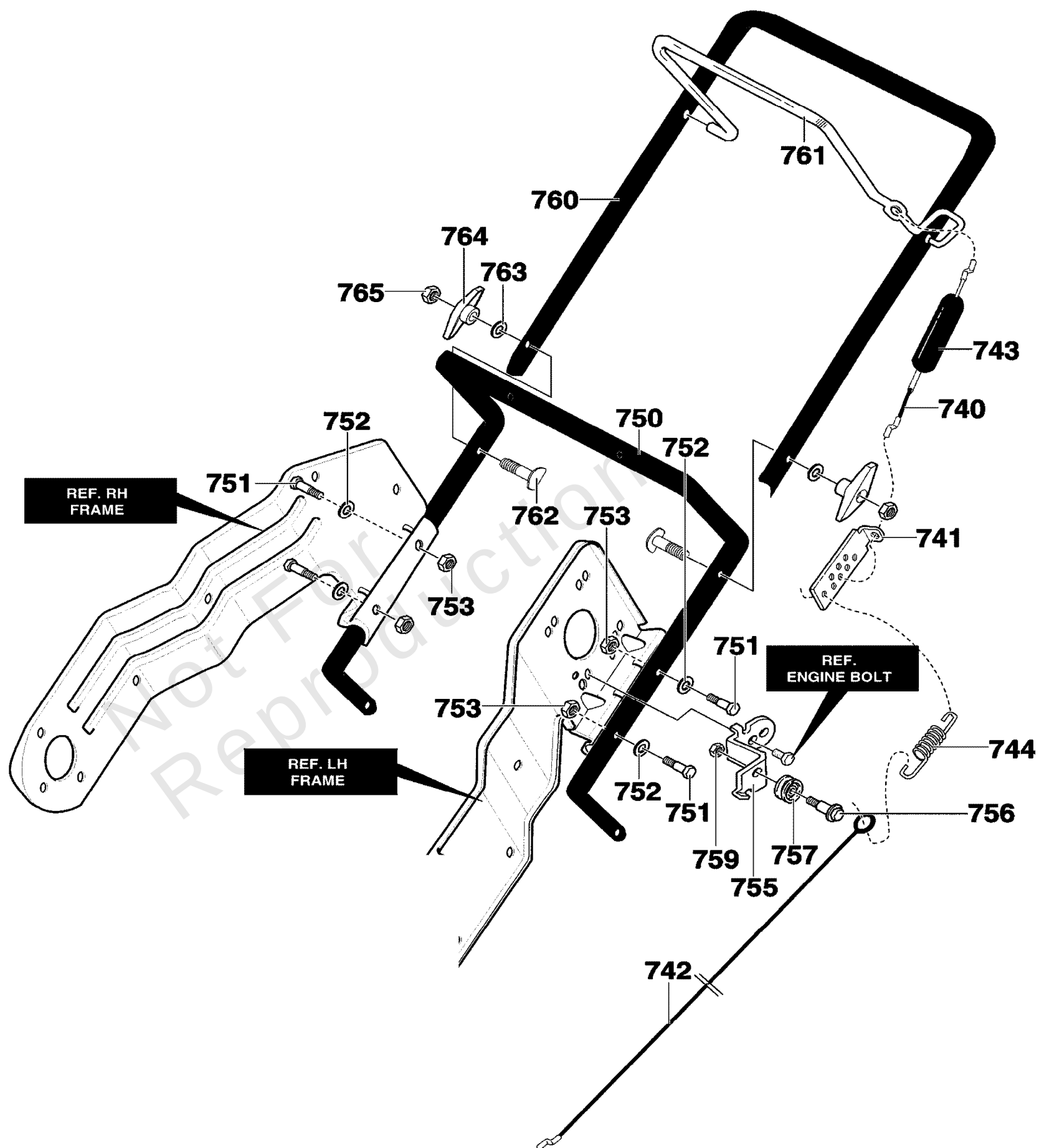
Frame Components Assembly

REF NO	PART NO	QTY	DESCRIPTION
80	MT760272E701		FRAME SIDE SUPPORT RH
81	MT760271E701		FRAME SIDE SUPPORT LH
90	MT760169		ROD, SUPPORT
91	MT71063		WASHER, HVSPTLK
92	MT71044		NUT, 3/8-16 REGHEX
100	MT578093E701		BRACKET, GAS TANK
101	MT302628		SCREW, 1/4-20X.75
102	MT73826		NUT, 1/4-20 YZ
110	MT55381		TANK, FUEL
111	MT313681		SCREW, 1/4-14X.88 WAHHTAP
112	MT315433		CAP, GAS-BLACK
113	MT327290		TUBING 11.50 IN.
114	MT323387		CLAMP, FUEL LINE

Handle Assembly

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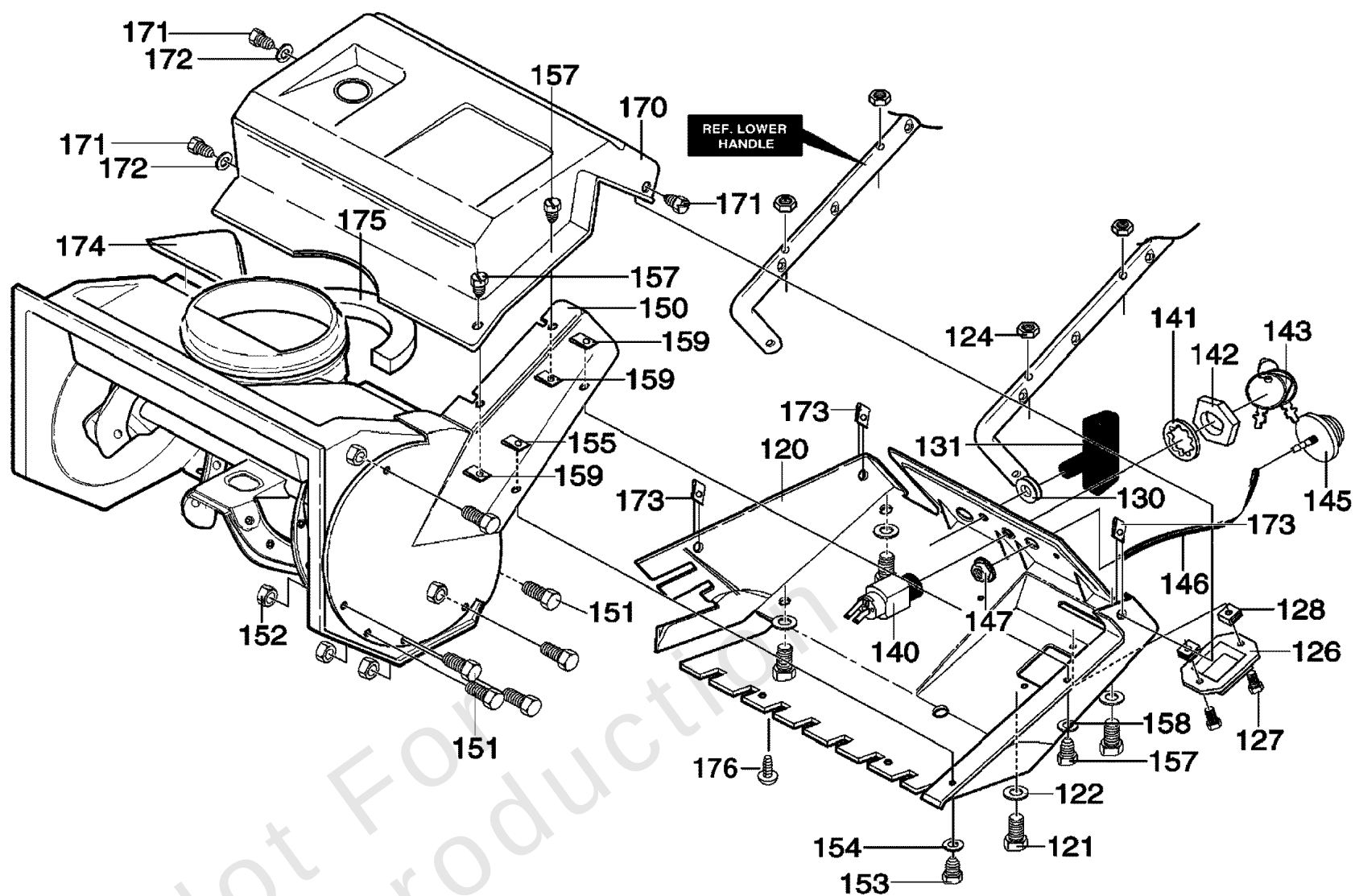
Handle Assembly

REF NO	PART NO	QTY	DESCRIPTION
740	MT760774		CABLE, UPPER
741	MT313441		BRACKET, CABLE ADJ
742	MT760773		CABLE, LOWER CONTROL
743	MT308146		BOOT, CLUTCH SPRING
744	MT313471		SPRING, EXTENSION
750	MT313487E701		HANDLE, LOWER
751	MT313674		SCREW, 1/4-20X1.25
752	MT71067		WASHER, FLAT
753	MT73826		NUT, 1/4-20
755	MT761486E701		BRACKET, CABLE
756	MT712234		BOLT
757	MT39298		PULLEY
759	MT15X143		NUT, 1/4-20 YZ
760	MT313489E701		UPPER HANDLE
761	MT313308E701		BAIL, CONTROL
762	MT337584		BOLT
763	MT311936		WASHER, FORM
764	MT57171		KNOB, T 3.00 WD
765	MT71037		NUT, 5/16-18

Top Cover Assembly

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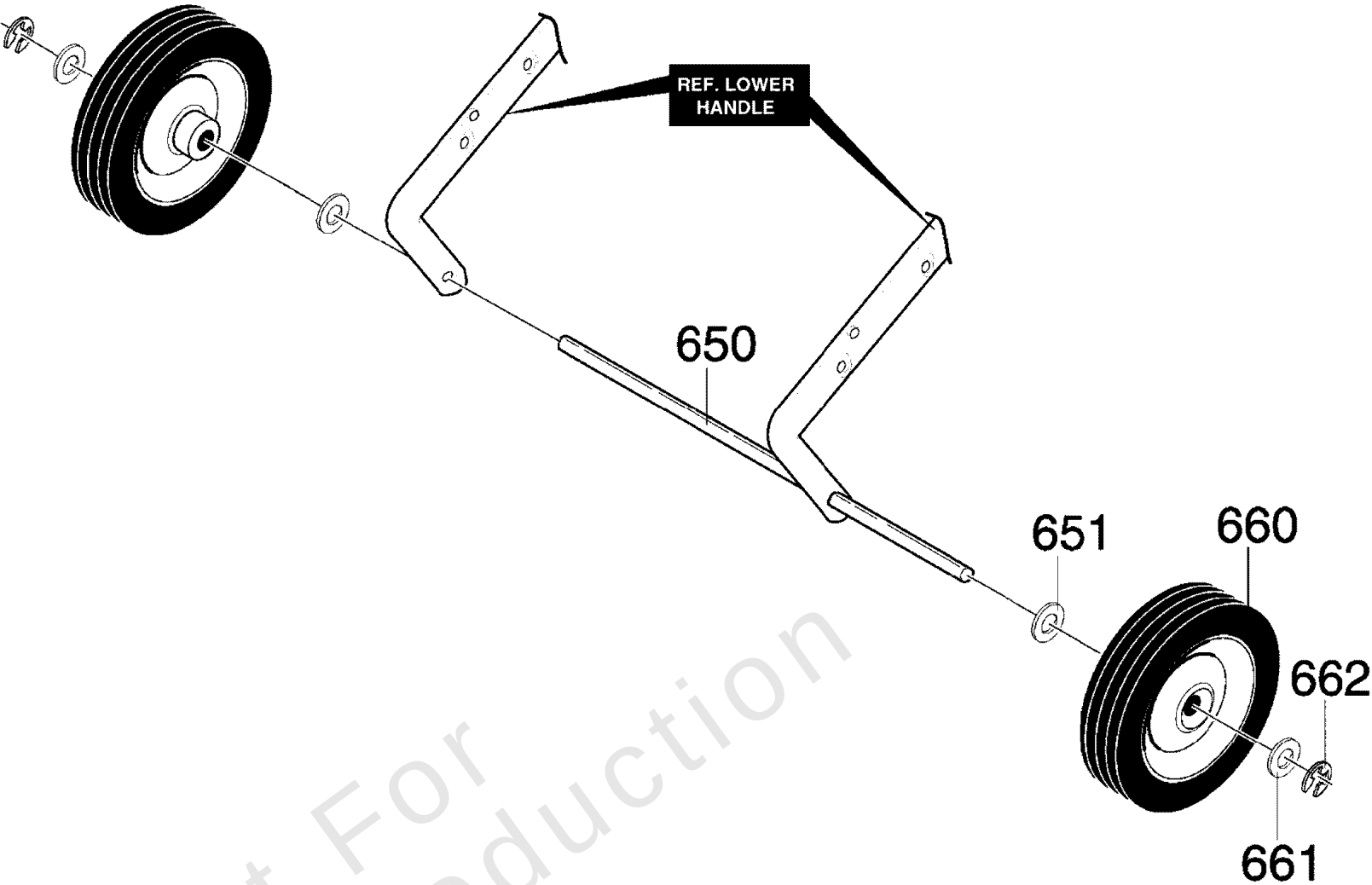
Top Cover Assembly

REF NO	PART NO	QTY	DESCRIPTION
120	MT314521		COVER, BOTTOM
121	MT313674		SCREW, 1/4-20X1.25
122	MT71067		WASHER, FLAT .281X.63X.065
124	MT73826		NUT, 1/4-20 YZ
126	MT326212		COVER, CARB
127	MT313685		SCREW, 1/4-14X.75
128	MT578109		NUT, 1/4-10 SPEED J TYPE
130	MT57587		GROMMET & WASHER, ROPE GUIDE
131	MT333643		KNOB, STAND TEE
140	MT56992		SWITCH, IGNITION
141	MT313683		WASHER
142	MT300193		NUT, 5/8-32 ACC
143	MT49643		2 KEYS & RING
145	MT54601		PRIMER, ENGINE
146	MT1259		HOSE, PRIMER
147	MT271172		KEPS NUT, 1/4-20
150	MT57036		COVER, BELT
151	MT12342		SCREW, 10-24X.50
152	MT312300		NUT, #10-24
153	MT313686		SCREW, 1/4-20X.50
154	MT71067		WASHER, FLAT .281X.63X.065
155	MT578107		NUT, 1/4-20 TINN
157	MT313685		SCREW, 1/4-14X.75
158	MT71067		WASHER, FLAT .281X.63X.065
159	MT578109		NUT, 1/4-20 SPEED J TYPE
170	MT1501690		COVER, TOP
171	MT313685		SCREW, 1/4-14X.75
172	MT71067		WASHER, FLAT .281X.63X.065
173	MT578109		NUT, 1/4-10 SPEED J TYPE
174	MT55379		SEAL, FOAM
175	MT55380		SEAL, STRIP CHUTE & GAS SEAL
176	MT26X292		SCREW 10-14 x 0.63

Wheels

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Wheels

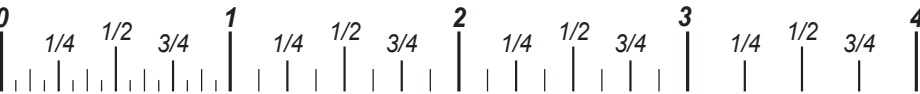
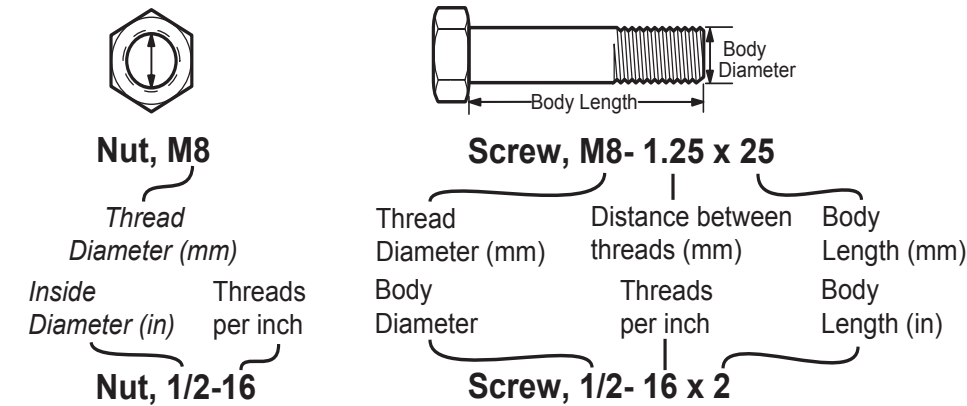
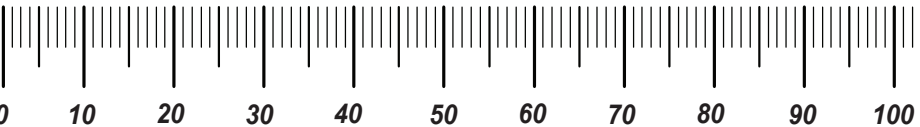
REF NO	PART NO	QTY	DESCRIPTION
650	MT1501923		AXLE SHAFT
651	MT583409		WASHER, FLAT .391X1.00X1.25
660	MT1501689		TIRE & RIM
661	MT583409		WASHER, FLAT .391X1.00X.125
662	MT577598		RING, RET E

Not For Reproduction

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).

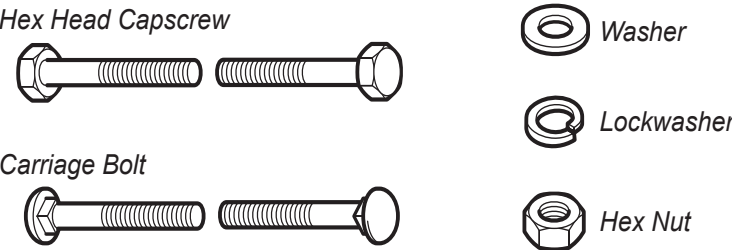
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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



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