



Parts Manual

Mfg. No: 881879
Yard King, 16" Steel Walk Behind Mower



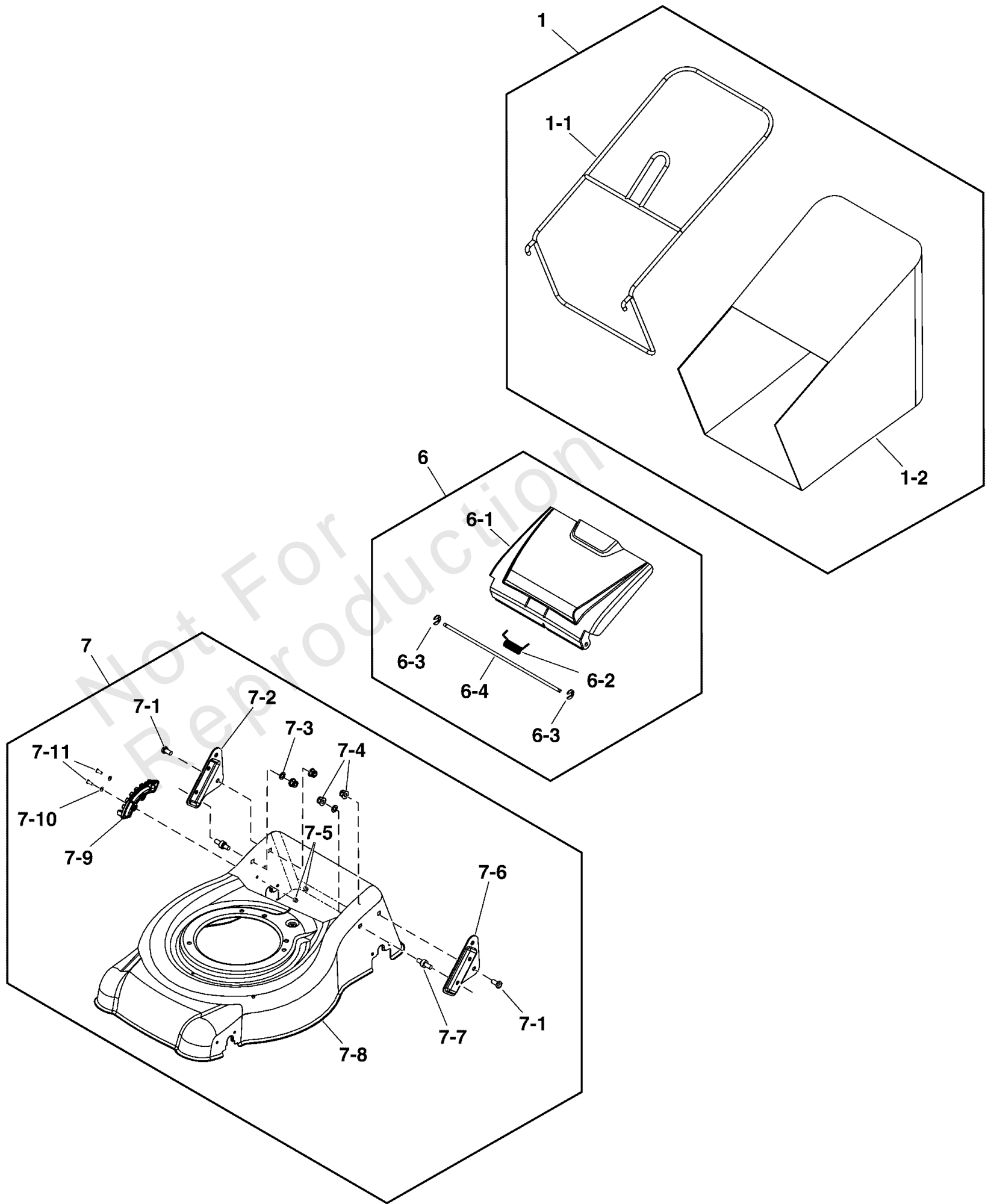
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Not For
Reproduction

Deck & Catcher Group

Note: Unless noted otherwise, use the standard torque specifications

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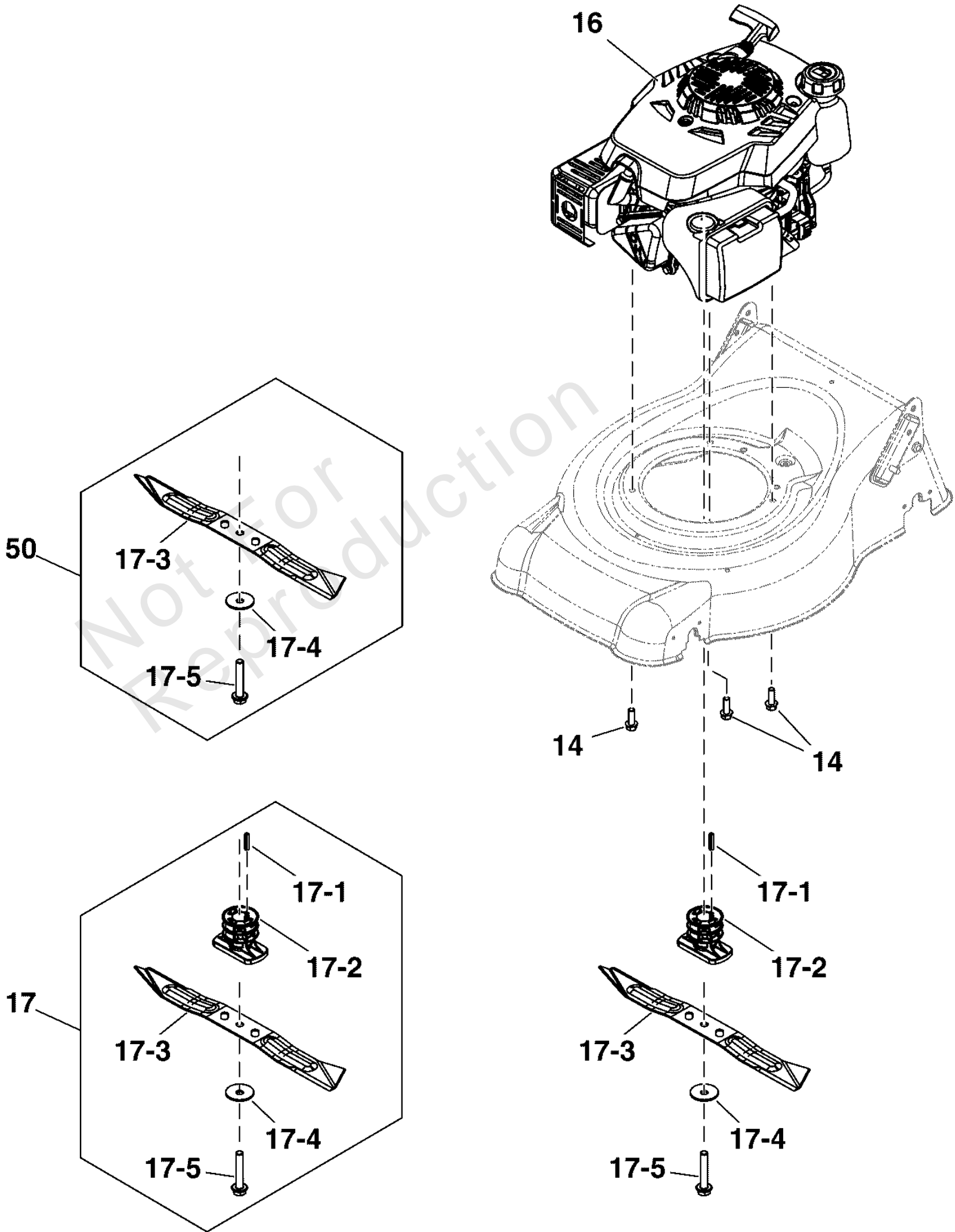
Deck & Catcher Group

REF NO	PART NO	QTY	DESCRIPTION
1	CH87726A	1	GRASS CATCHER ASSEMBLY -(Includes Ref. Nos. 1-1, 1-2)
1-1	-----	1	FRAME, Grass Catcher, 16" Deck
1-2	-----	1	BAG, Grass Catcher, 16" Deck
6	CH87759A	1	REAR FLAP ASSEMBLY -(Includes Ref. Nos. 6-1, 6-2, 6-3, 6-4)
6-1	-----	1	FLAP, Rear
6-2	-----	1	SPRING, Rear Flap
6-3	-----	2	RETAINING RING, E6
6-4	-----	1	ROD, Rear Flap Pivot
7	CH87771M	1	MOWER DECK, Green -(Not a serviceable part)
7-1	-----	2	BOLT, M8 x 16
7-2	-----	1	BRACKET, Lower Handle, RH
7-3	-----	2	WASHER
7-4	-----	4	NUT, Hex Head, Flange, M8
7-5	-----	2	NUT, Nyloc, M5
7-6	-----	1	BRACKET, Lower Handle, LH
7-7	-----	2	BOLT
7-8	-----	1	DECK
7-9	CH87768A	1	BRACKET, Height Adjustment
7-10	-----	2	WASHER, 5
7-11	-----	2	BOLT, Hex, M5 x 12

Engine & Blade Group (XDS400)

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Engine & Blade Group (XDS400)

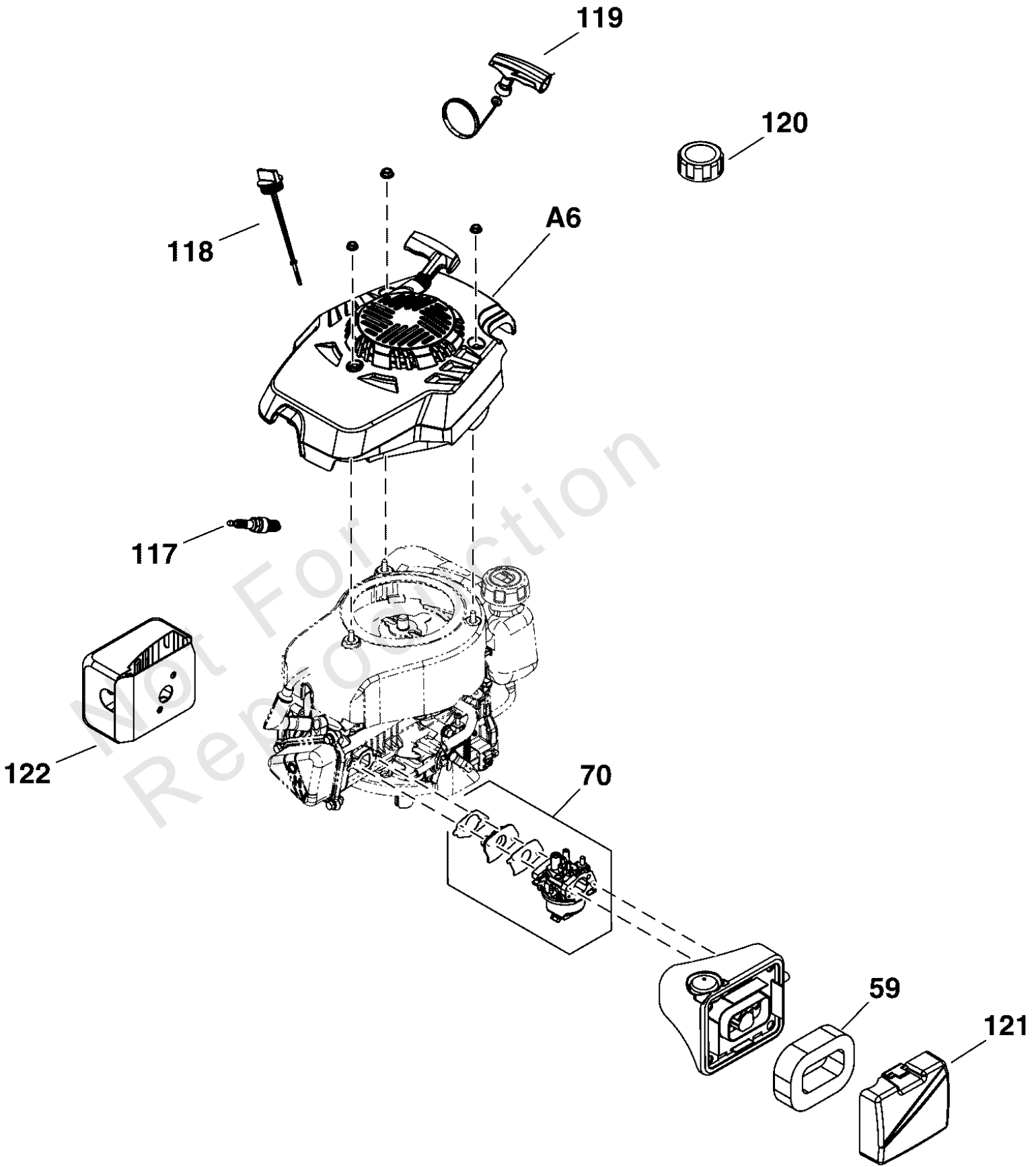
REF NO	PART NO	QTY	DESCRIPTION
14	HA28284D	3	BOLT, Engine Mounting, M8 x 25 -(Not a serviceable part)
16	-----	1	ENGINE, SE560 -(Not a serviceable part)
17	CH88460A	1	BLADE MOUNT ASSEMBLY -(Includes Ref. Nos. 17-1, 17-2, 17-3, 17-4, 17-5)
17-1	-----	1	KEY, Woodruff
17-2	-----	1	SLEEVE, Engine
17-3	-----	1	BLADE BAR, 16"
17-4	-----	1	WASHER, Blade Bar
17-5	-----	1	BOLT, Blade Bar
50	CA09574A	1	BLADE BAR ASSEMBLY -(Includes Ref. Nos. 17-3, 17-4, 17-5)
17-3	-----	1	BLADE BAR, 16"
17-4	-----	1	WASHER, Blade Bar
17-5	-----	1	BOLT, Blade Bar

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Engine Service Parts

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Engine Service Parts

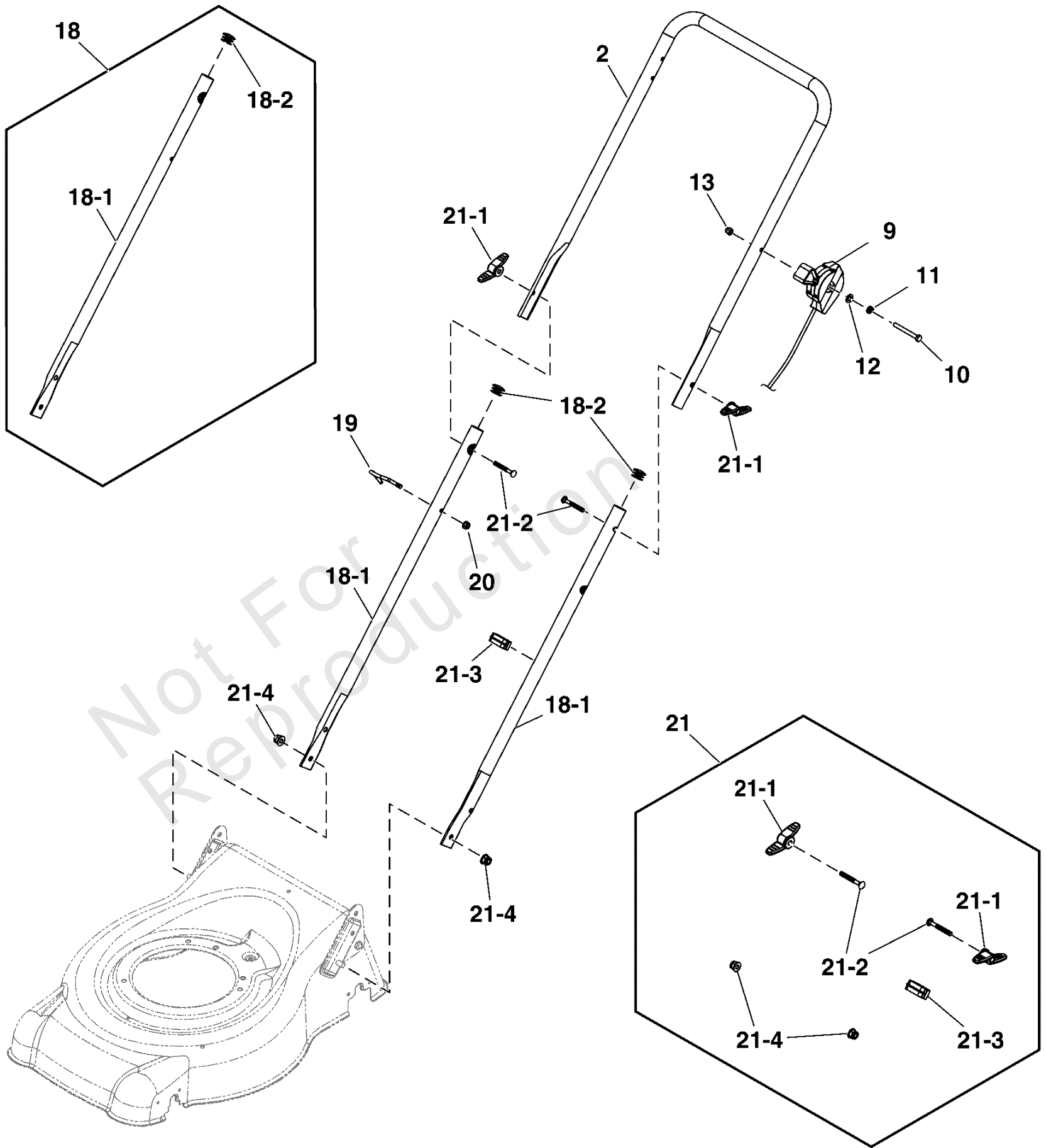
REF NO	PART NO	QTY	DESCRIPTION
A6	EE15052A	1	STARTER, Rewind
59	EE15104A	1	ELEMENT, Air Filter
70	EE15343A	1	KIT, Carburetor
117	EE15339A	1	SPARK PLUG, LD K7TC
118	EE15342A	1	KIT, Dip Stick
119	EE15344A	1	KIT, Starter Cord
120	EE15341A	1	FUEL CAP ASSEMBLY
121	EE15340A	1	COVER, Air Filter SE560
122	EE15345A	1	KIT, Muffler SE560

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Handles & Controls Group

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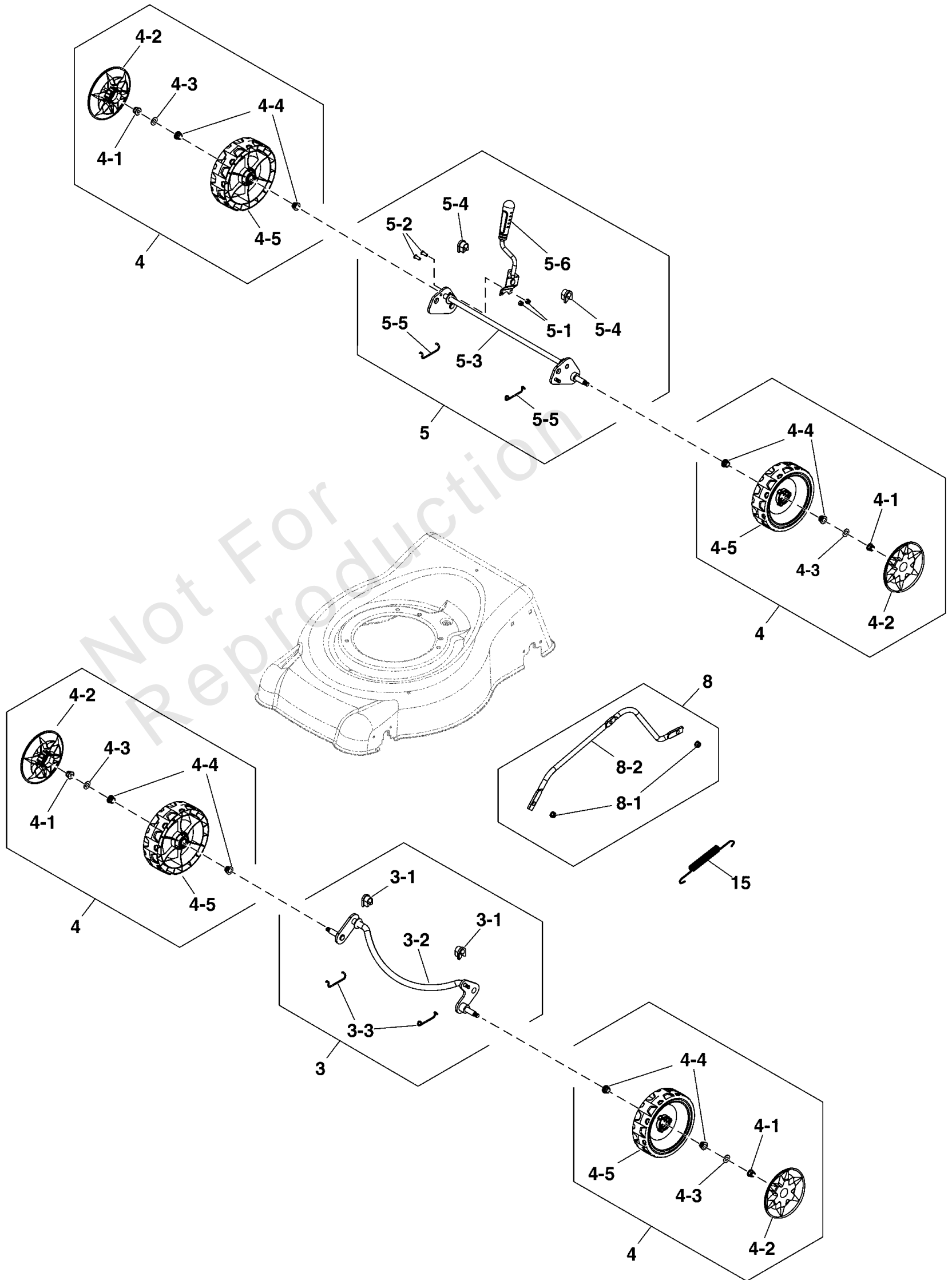
Handles & Controls Group

REF NO	PART NO	QTY	DESCRIPTION
2	CH87730A	1	HANDLE, Upper
9	TC05077A	1	THROTTLE CONTROL ASSEMBLY
10	-----	1	BOLT, Hex Flange, M6 x 48 -(Not a serviceable part)
11	-----	1	WASHER, Spring Lock, Single Coil -(Not a serviceable part)
12	-----	1	WASHER, 6 -(Not a serviceable part)
13	-----	1	NUT, Hex Flange, M6 -(Not a serviceable part)
18	CH87802A	2	HANDLE, Lower Assembly -(Includes Ref. Nos. 18-1, 18-2)
18-1	-----	1	HANDLE, Lower
18-2	-----	1	PLUG, Handle
19	-----	1	GUIDE, Rope -(Not a serviceable part)
20	-----	1	NUT, M6 -(Not a serviceable part)
21	CH87791B	1	KIT, Knobs & Fasteners -(Includes Ref. Nos. 21-1, 21-4)
21-1	-----	2	KNOB, Nut
21-2	-----	2	BOLT, Carriage M6 x 40
21-3	-----	1	CLIP, Throttle Cable
21-4	-----	2	NUT, Hex Head, Flange, M8

Wheels Group

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Wheels Group

REF NO	PART NO	QTY	DESCRIPTION
3	CH87733A	1	FRONT AXLE ASSEMBLY -(Includes Ref. Nos. 3-1, 3-2, 3-3)
3-1	-----	2	BUSH, Axle
3-2	-----	1	AXLE, Front
3-3	-----	2	SPRING, Clip
4	CH87745A	1	WHEEL ASSEMBLY, 165 -(Includes Ref. Nos. 4-1, 4-2, 4-3, 4-4, 4-5)
4-1	-----	1	NUT, Nyloc, M8
4-2	-----	1	COVER, Wheel
4-3	-----	1	WASHER
4-4	-----	2	BUSH, Axle
4-5	-----	1	WHEEL, 165
5	CH87746A	1	REAR AXLE ASSEMBLY -(Includes Ref. Nos. 5-1, 5-2, 5-3, 5-4, 5-5, 5-6)
5-1	-----	2	NUT, Hex Flange, Nyloc, M5
5-2	-----	4	BOLT, Hex, M5 x 12
5-3	-----	1	AXLE, Rear
5-4	-----	2	BUSH, Axle
5-5	-----	2	SPRING, Clip
5-6	-----	1	LEVER, Height Adjustment
8	CH87770A	1	CONNECTING LINK ASSEMBLY -(Includes Ref. Nos. 8-1, 8-2)
8-1	-----	2	NUT, M6
8-2	-----	1	LINK, Connecting
15	CH87796A	1	SPRING, Connecting Link

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	5.6		8.8		10.9		12.9	
	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs		ft/lbs	
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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs	
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

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) Distance between threads (mm) Body Length (mm)

Body Diameter Threads per inch 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).

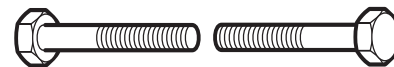
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

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

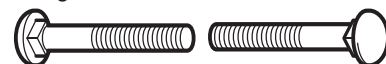
Hex Head Capscrew



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

YARD KING