



Parts Manual

Mfg. No: 881881

Yard King, 20" Self Propelled Walk Behind Mower



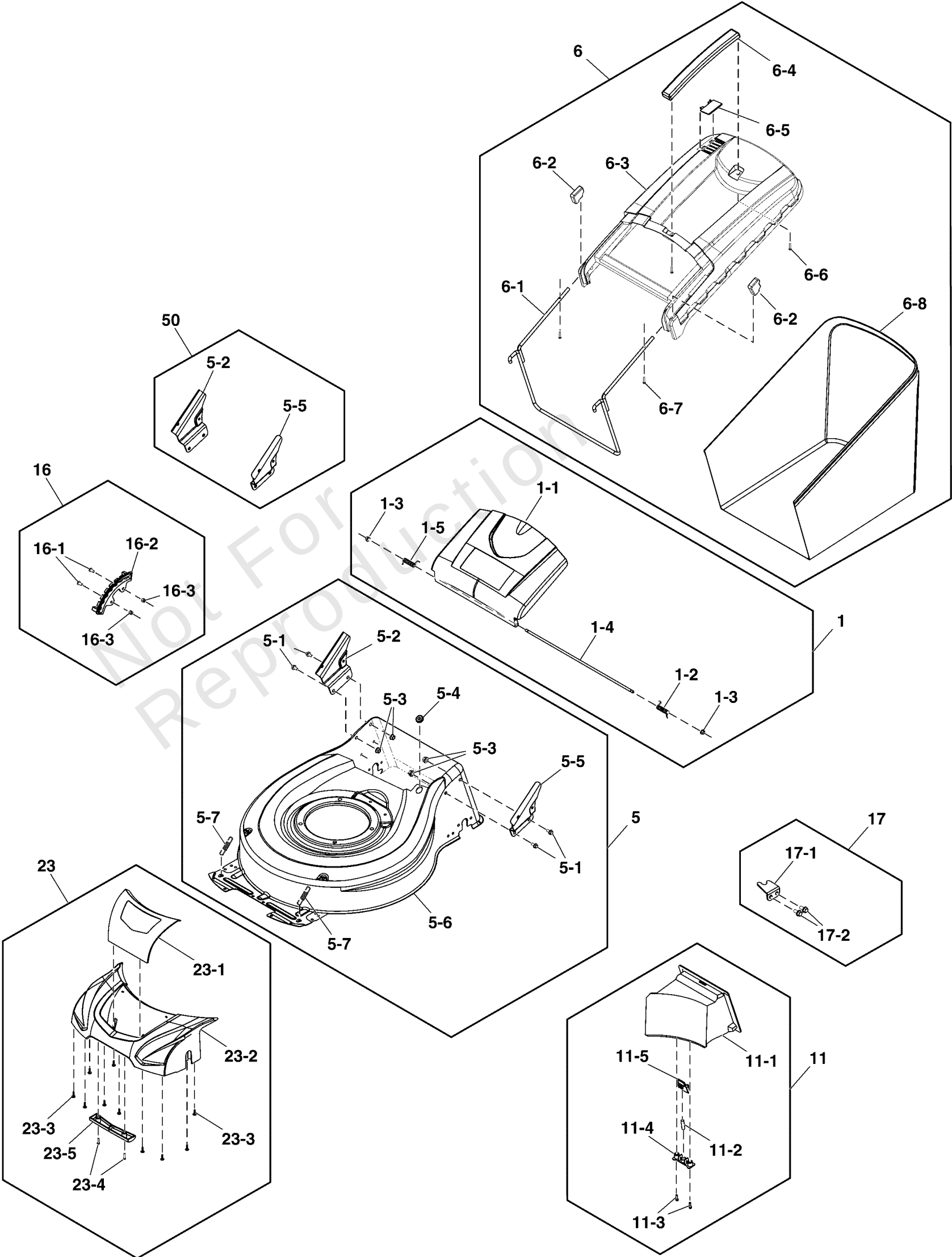
Model Components	Page
Deck & Catcher Group.....	4
Engine & Blade Group.....	6
Engine Service Parts - DYM1P70FE.....	8
Handles & Control Group.....	10
Rear Axle Group.....	14
Wheels Group.....	16
Torque Specification Chart.....	18

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Deck & Catcher Group

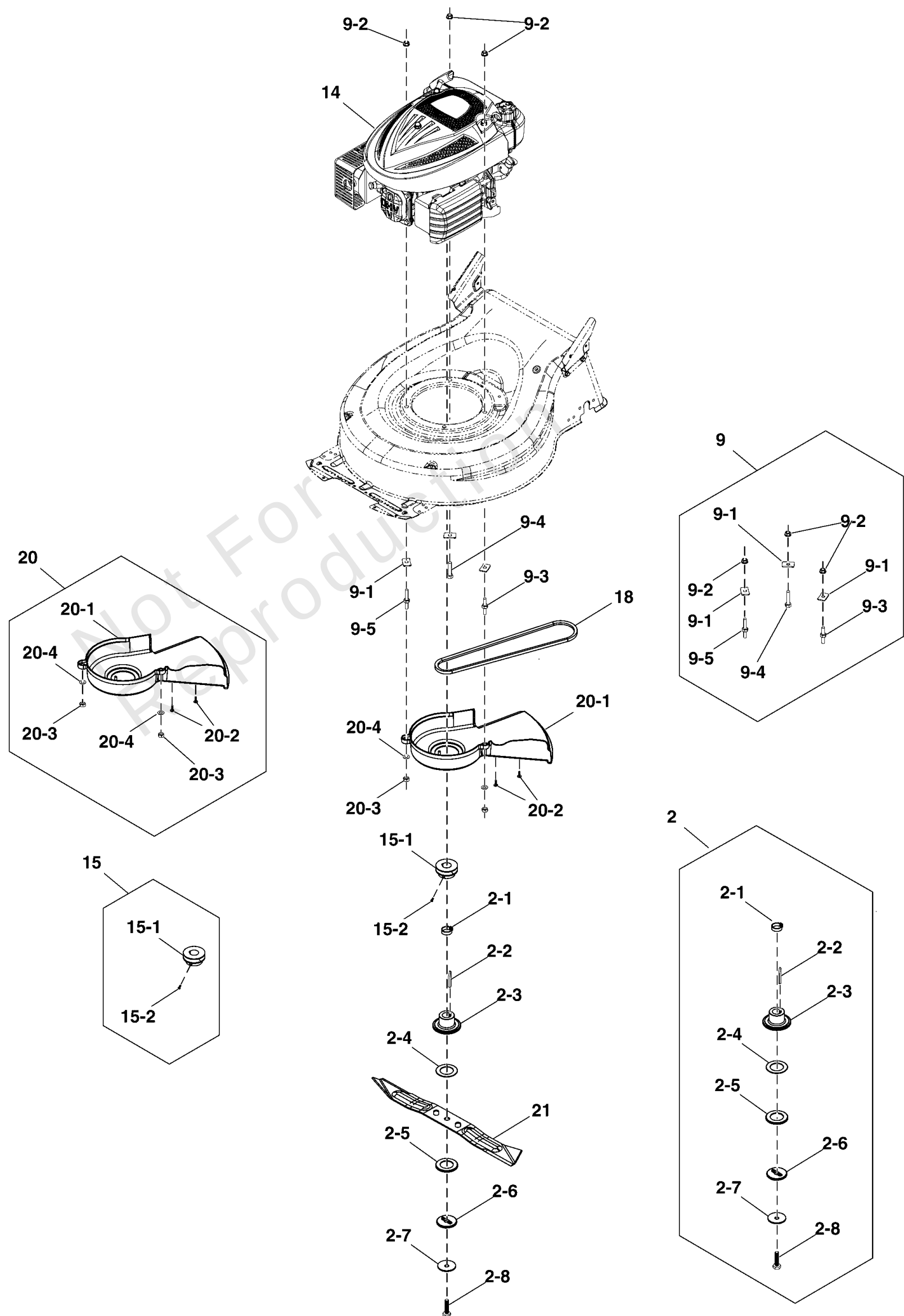
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 881881



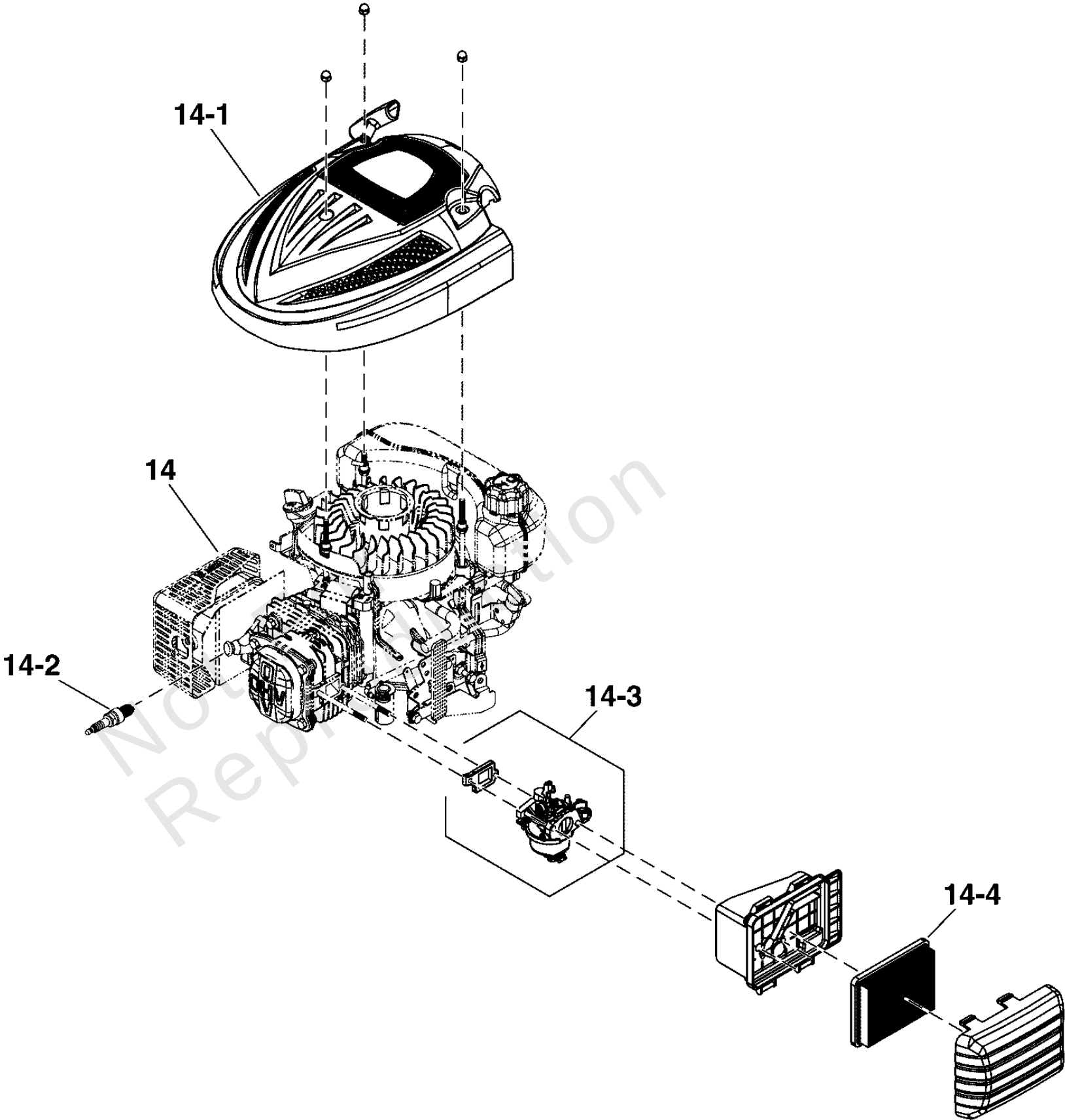
Deck & Catcher Group

REF NO	PART NO	QTY	DESCRIPTION
1	CH87629A	1	REAR FLAP ASSEMBLY -(Includes Ref. Nos. 1-1, 1-2, 1-3, 1-4, 1-5)
1-1	-----	1	FLAP, Rear
1-2	-----	1	SPRING, Right Rear Flap
1-3	-----	2	NUT, Flanged Hex, M6
1-4	-----	1	SHAFT, Rear Flap
1-5	-----	1	SPRING, Left Rear Flap
5	CH87809A	1	BASEPLATE, Assembly, Yellow -(Includes Ref. Nos. 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7)
5-1	-----	4	BOLT, M8 x 16
5-2	-----	1	BRACKET, LOWER HANDLE, RH
5-3	-----	4	NUT, Locking, Hex, M6
5-4	-----	1	INSERT, Rubber
5-5	-----	1	BRACKET, LOWER HANDLE, LH
5-6	-----	1	DECK
5-7	-----	2	SPRING
6	CH87870A	1	GRASS CATCHER ASSEMBLY -(Includes Ref. Nos. 6-1, 6-2, 6-3, 6-4, 6-5, 6-6, 6-7, 6-8)
6-1	-----	1	FRAME, Grass Catcher, 20" Deck
6-2	-----	2	RUBBER GRIP, Grass Catcher
6-3	-----	1	TOP, Hard Plastic
6-4	-----	1	HANDLE, Grass Catcher
6-5	-----	1	BOARD, Window Luffer
6-6	-----	2	SCREW, Self Tapping, ST4.8 x 19
6-7	-----	2	SCREW, Self Tapping, ST4.2 x 18
6-8	-----	1	BAG, Grass Catcher, 20" Deck
11	CH87821A	1	MULCHING KIT ASSEMBLY -(Includes Ref. Nos. 11-1, 11-2, 11-3, 11-4, 11-5)
11-1	-----	1	KIT, Mulching
11-2	-----	2	SPRING
11-3	-----	2	SCREW, Self Tapping, ST4 x 16
11-4	-----	1	PLATE, Locking Button
11-5	-----	1	BUTTON, Locking, Mulching Kit
16	CH87635A	1	SEGMENT ASSEMBLY -(Includes Ref. Nos. 16-1, 16-2, 16-3)
16-1	-----	2	SCREW, M6 x 12
16-2	-----	1	BRACKET, Height Adjustment
16-3	-----	2	NUT, Flanged Hex, M6
17	CH87819A	1	GEARBOX MOUNTING ASSEMBLY -(Includes Ref. Nos. 17-1, 17-2)
17-1	-----	1	BRACKET
17-2	-----	2	BOLT, Hex, M6 x 12
23	CH87650A	1	FRONT BUMPER ASSEMBLY -(Includes Ref. Nos. 23-1, 23-2, 23-3, 23-4, 23-5)
23-1	-----	1	COVER, Front Bumper
23-2	-----	1	BUMPER, Front
23-3	-----	10	SCREW, Self Tapping, ST5 x 16
23-4	-----	2	SCREW, Self Tapping, ST4 x 16
23-5	-----	1	COVER, Inner Bracket Bumper
50	CH87960A	1	HANDLE BRACKET SET -(Includes Ref. Nos. 5-2, 5-5)
5-2	-----	1	BRACKET, LOWER HANDLE, RH
5-5	-----	1	BRACKET, LOWER HANDLE, LH



Engine & Blade Group

REF NO	PART NO	QTY	DESCRIPTION
2	CH87657A	1	BLADE MOUNT ASSEMBLY -(Includes Ref. Nos. 2-1, 2-2, 2-3, 2-4, 2-5, 2-6, 2-7, 2-8)
2-1	-----	1	SPACER
2-2	-----	1	KEY
2-3	-----	1	SLEEVE
2-4	-----	1	WASHER, Nylon
2-5	-----	1	WASHER, Nylon
2-6	-----	1	SPACER
2-7	-----	1	WASHER, Curved
2-8	-----	1	BOLT, Blade, 3/8" 24UNFx40mm
9	CH87830A	1	ENGINE MOUNT ASSEMBLY -(Includes Ref. Nos. 9-1, 9-2, 9-3, 9-4, 9-5)
9-1	-----	3	WASHER
9-2	-----	3	NUT, Locking, Hex, M6
9-3	-----	1	STUD, Bolt, M8 x 17 x 25
9-4	-----	1	BOLT, Hex, M8 x 30
9-5	-----	1	STUD, Bolt, M8 x 17 x 40
14	-----	1	ENGINE -(Not a serviceable part)
15	CH87804A	1	PULLEY ASSEMBLY -(Includes Ref. Nos. 15-1, 15-2)
15-1	-----	1	PULLEY
15-2	-----	1	SCREW, Grub, M6 x 8
18	CH87653A	1	BELT
20	CH87647A	1	BELT COVER ASSEMBLY -(Includes Ref. Nos. 20-1, 20-2, 20-3, 20-4)
20-1	-----	1	COVER, Belt
20-2	-----	2	SCREW, Self Tapping, ST5 x 16
20-3	-----	2	NUT, Hex, Lock, M8
20-4	-----	2	WASHER, Flat, M8
21	CA09567A	1	BLADE, 20"



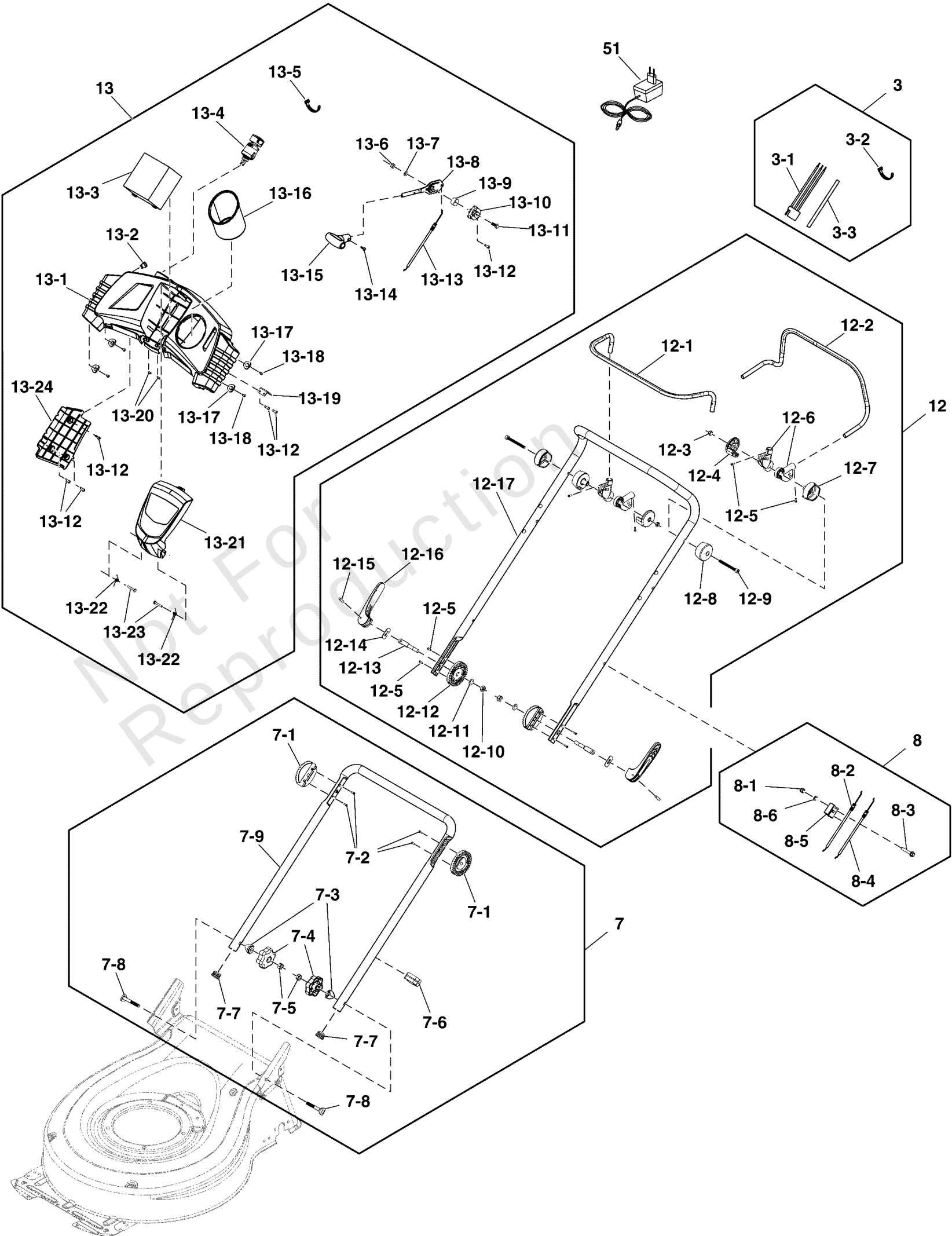
Engine Service Parts - DYM1P70FE

REF NO	PART NO	QTY	DESCRIPTION
14	-----	1	ENGINE -(Not a serviceable part)
14-1	EE15335A	1	STARTER ASSEMBLY
14-2	EE15281A	1	SPARK PLUG
14-3	EE15300A	1	CARBURETOR ASSEMBLY
14-4	EE15313A	1	ELEMENT, Air Filter

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Handles & Control Group

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 881881



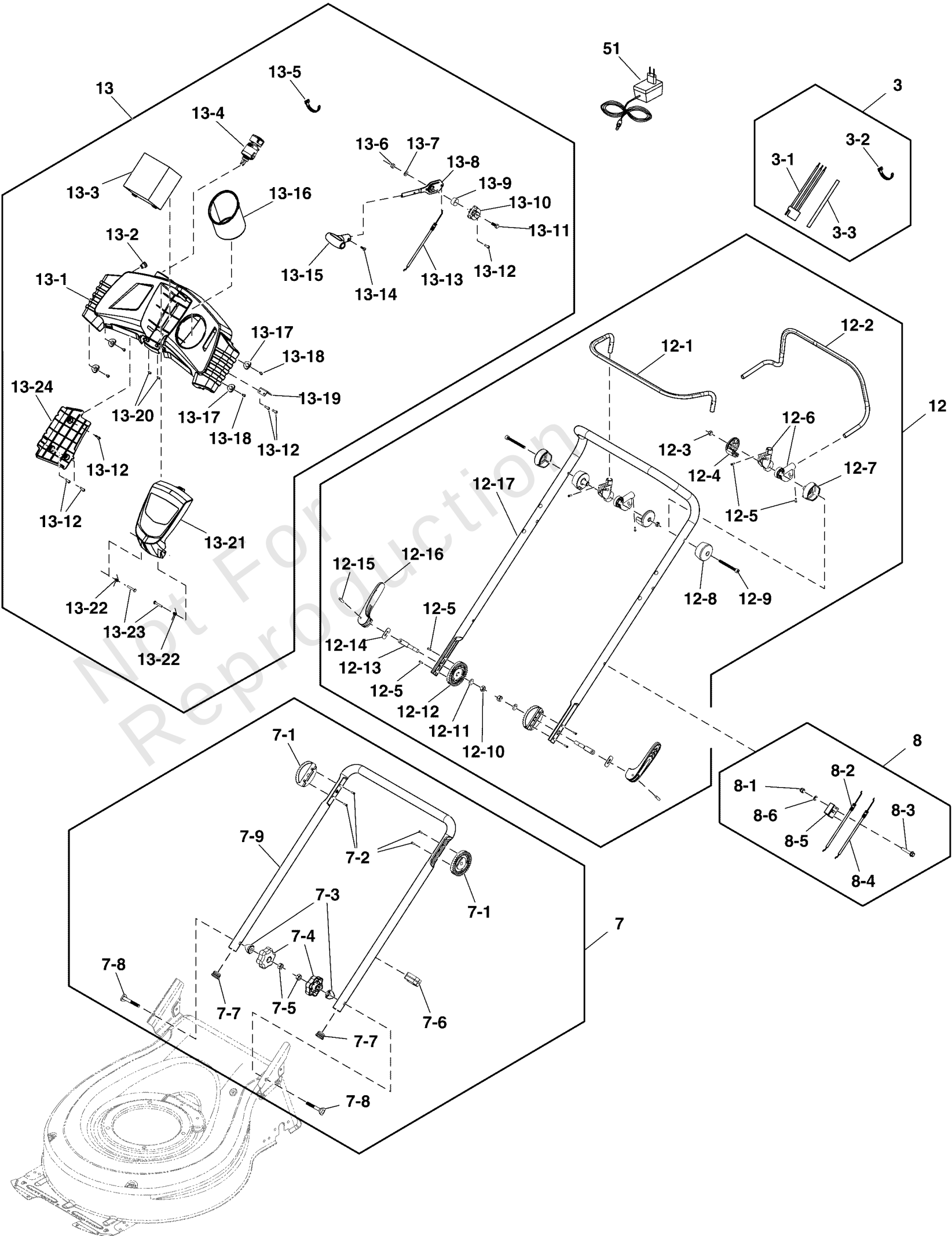
Handles & Control Group

REF NO	PART NO	QTY	DESCRIPTION
3	CH87882A	1	PUSH BUTTON START CABLE ASSEMBLY -(Includes Ref. Nos. 3-1, 3-2, 3-3)
3-1	-----	1	CONNECTION, Plug
3-2	-----	1	TIES, Nylon Cable
3-3	-----	1	CABLE MANAGEMENT
7	CH87826A	1	LOWER HANDLE ASSEMBLY -(Includes Ref. Nos. 7-1, 7-2, 7-3, 7-4, 7-5, 7-6, 7-7, 7-8, 7-9)
7-1	-----	2	GEAR, Lower Adjustment
7-2	-----	4	SCREW, Self Tapping, ST3 x 10
7-3	-----	2	WASHER, Curved, M8
7-4	-----	2	KNOB, Lower Handle
7-5	-----	2	NUT, Hex, M8
7-6	-----	1	CLAMP
7-7	-----	2	PLUG, Lower Handle
7-8	-----	2	BOLT, M8 x 52
7-9	-----	1	HANDLE, Lower Loop
8	CH87839A	1	CLUTCH AND ENGINE BRAKE CABLE ASSEMBLY -(Includes Ref. Nos. 8-1, 8-2, 8-3, 8-4, 8-5, 8-6)
8-1	-----	1	NUT, Castle, M6
8-2	-----	1	CABLE, Clutch
8-3	-----	1	BOLT, Hex, M6 x 35
8-4	-----	1	CABLE, Engine Brake
8-5	-----	1	BRACKET
8-6	-----	1	WASHER, Flat
12	CH87831A	1	UPPER HANDLE ASSEMBLY -(Includes Ref. Nos. 12-1, 12-2, 12-3, 12-4, 12-5, 12-6, 12-7, 12-8, 12-9, 12-10, 12-11, 12-12, 12-13, 12-14, 12-15, 12-16, 12-17)
12-1	-----	1	LEVER, Engine Brake
12-2	-----	1	LEVER, Bale
12-3	-----	2	NUT, Hex, M6
12-4	-----	2	BRACKET, Rotating
12-5	-----	4	SCREW, Self Tapping, ST3 x 10
12-6	-----	2	BLOCK, Cord, Self Propelled
12-7	-----	2	BRACKET, Inner Locating
12-8	-----	2	BRACKET, Outer Locating
12-9	-----	2	BOLT, M6 x 60
12-10	-----	2	NUT, Hex, Lock, M8
12-11	-----	2	WASHER, Flat
12-12	-----	2	GEAR, Upper Handle Adjustment
12-13	-----	2	BOLT, M8 x 69
12-14	-----	2	BRACKET, Locking
12-15	-----	2	PIN
12-16	-----	2	HANDLE, Locking
12-17	-----	1	BAR, Upper Handle
13	CH87842A	1	CONTROL BOX ASSEMBLY -(Includes Ref. Nos. 13-1, 13-2, 13-3, 13-4, 13-5, 13-6, 13-7, 13-8, 13-9, 13-10, 13-11, 13-12, 13-13, 13-14, 13-15, 13-16, 13-17, 13-18, 13-19, 13-20, 13-21, 13-22, 13-23, 13-24)
13-1	-----	1	COVER, Handle Board
13-2	-----	1	DC OUTLET ASSEMBLY
13-3	-----	1	BATTERY, Lead Acid
13-4	-----	1	PUSH BUTTON START ASSEMBLY
13-5	-----	1	TIES, Nylon Cable

Handles & Control Group

Note: Unless noted otherwise, use the standard torque specifications

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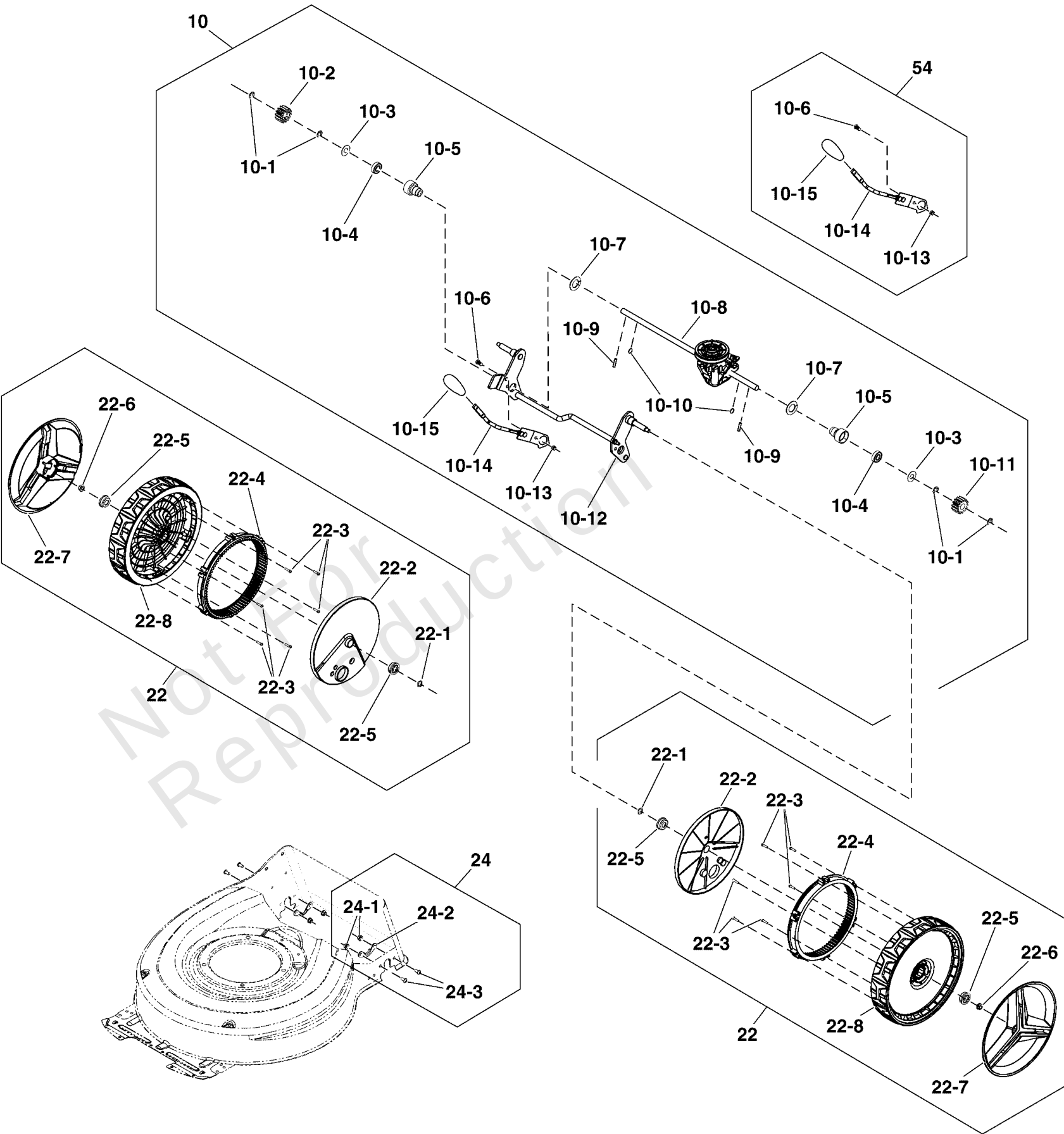
Handles & Control Group

REF NO	PART NO	QTY	DESCRIPTION
13-6	-----	1	NUT, Hex, M6
13-7	-----	1	WASHER
13-8	-----	1	LEVER, Throttle
13-9	-----	1	WASHER, Wave
13-10	-----	1	KNOB, Adjustment
13-11	-----	1	BOLT, Hex, M6 x 16
13-12	-----	5	SCREW, Self Tapping, ST3 x 10
13-13	-----	1	CABLE, Throttle Choke
13-14	-----	1	SCREW, M4 x 8
13-15	-----	1	HANDLE, Choke
13-16	-----	1	CUP, Drink
13-17	-----	4	WASHER, Curve
13-18	-----	4	SCREW, Self Tapping, ST4.8 x 19
13-19	-----	1	VENT
13-20	-----	2	SCREW, Self Tapping, ST3 x 10
13-21	-----	1	COVER, Panel Flap
13-22	-----	2	SPRING, Cover Flap
13-23	-----	2	PIN, Fixing
13-24	-----	1	BOARD, Cover
51	ST12879A	1	CHARGER, Battery

Rear Axle Group

Note: Unless noted otherwise, use the standard torque specifications

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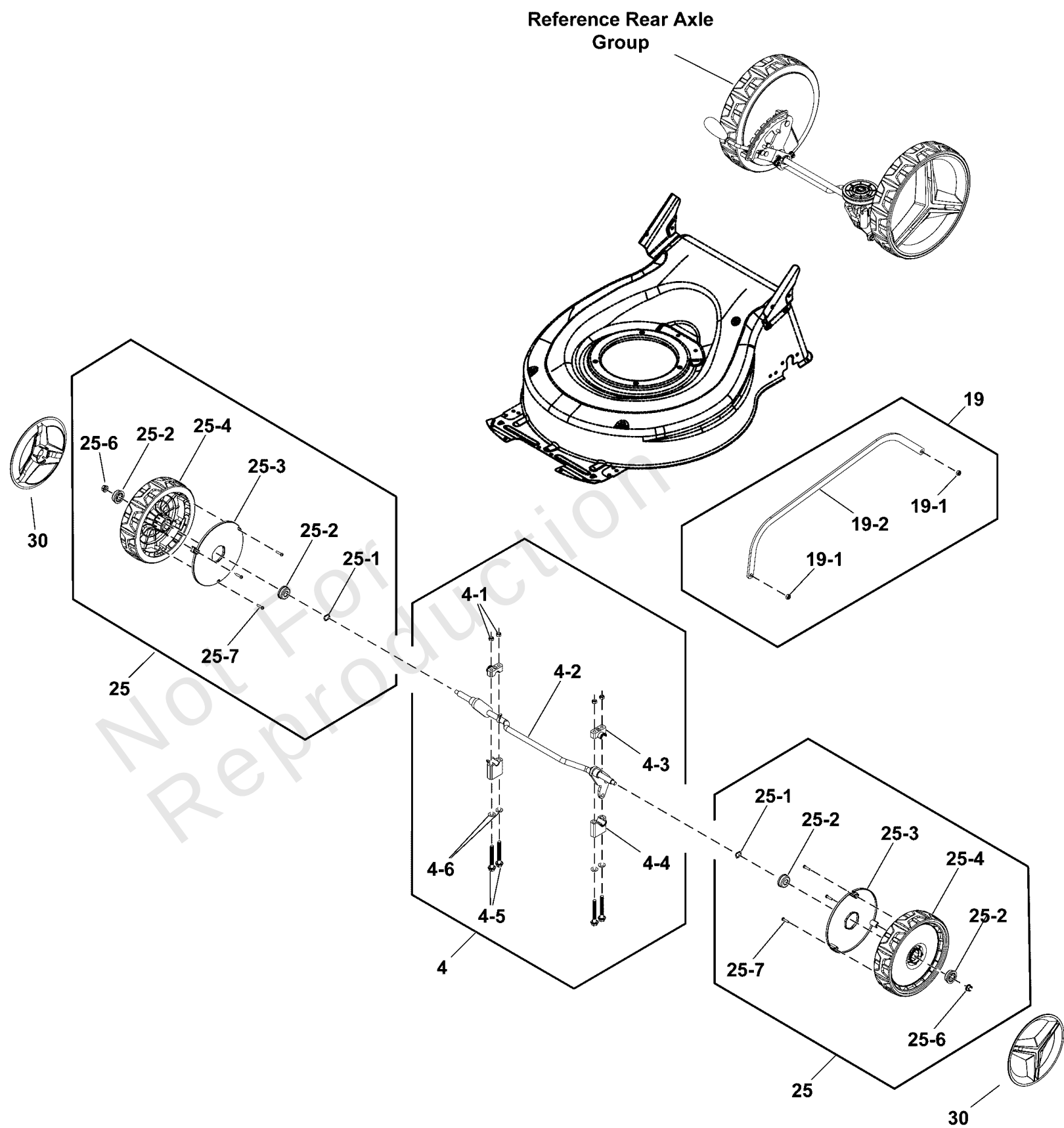
Rear Axle Group

REF NO	PART NO	QTY	DESCRIPTION
10	CH87813A	1	REAR AXLE and GEARBOX ASSEMBLY -(Includes Ref. Nos. 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 10-7, 10-8, 10-9, 10-10, 10-11, 10-12, 10-13, 10-14, 10-15)
10-1	-----	4	CIRCLIP
10-2	-----	1	GEAR, Right Output
10-3	-----	2	WASHER, Flat
10-4	-----	2	BEARING
10-5	-----	2	BUSHING, Bearing
10-6	-----	1	SCREW, M6 x 14
10-7	-----	2	WASHER, Spring
10-8	-----	1	GEARBOX
10-9	-----	2	PIN, Cylindrical
10-10	-----	2	CIRCLIP
10-11	-----	1	GEAR, Left Output
10-12	-----	1	AXLE, Rear
10-13	-----	1	NUT, Hex, M6
10-14	-----	1	ASSEMBLY, Handle
10-15	-----	1	KNOB, Handle
22	CH87644A	1	REAR WHEEL ASSEMBLY, 11" -(Includes Ref. Nos. 22-1, 22-2, 22-3, 22-4, 22-5, 22-6, 22-7, 22-8)
22-1	-----	1	WASHER, Wave
22-2	-----	1	COVER, Rear Wheel, Dust
22-3	-----	5	SCREW, Self Tapping, ST4 x 16
22-4	-----	1	GEAR, Rear Wheel
22-5	-----	2	BEARING, Wheel
22-6	-----	1	NUT, Locking, Hex, M6
22-7	-----	1	CAP, Hub, Rear, 11"
22-8	-----	1	WHEEL, Rear, 11"
24	CH87707A	1	AXLE BRACKET ASSEMBLY -(Includes Ref. Nos. 24-1, 24-2, 24-3)
24-1	-----	2	NUT, Flanged Hex, M6
24-2	-----	1	BRACKET, Axle
24-3	-----	2	SCREW, M6 x 12
54	CH87817A	1	HEIGHT ADJUSTMENT ASSEMBLY -(Includes Ref. Nos. 10-6, 10-13, 10-14, 10-15)
10-6	-----	1	SCREW, M6 x 14
10-13	-----	1	NUT, Hex, M6
10-14	-----	1	ASSEMBLY, Handle
10-15	-----	1	KNOB, Handle

Wheels Group

Note: Unless noted otherwise, use the standard torque specifications

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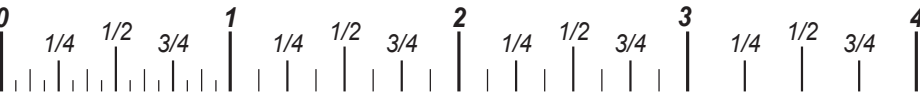
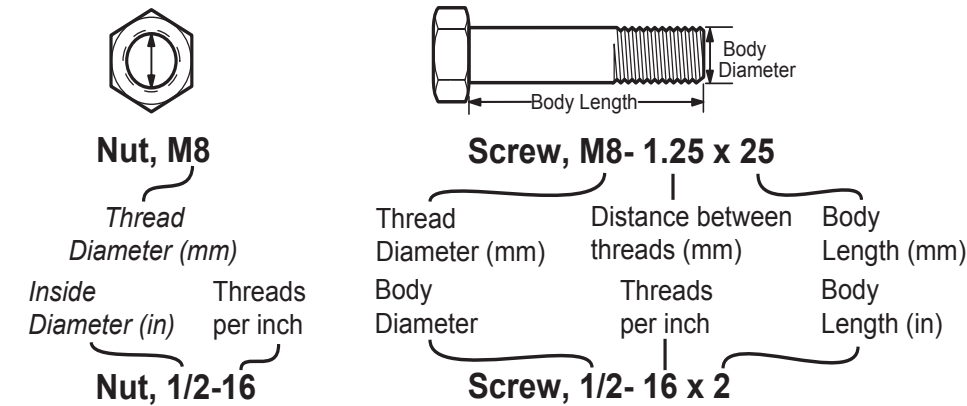
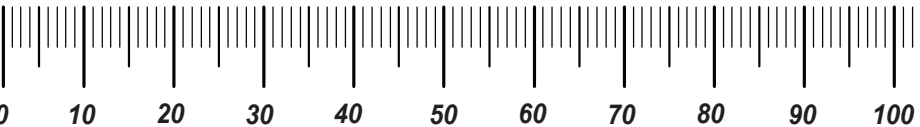
Wheels Group

REF NO	PART NO	QTY	DESCRIPTION
4	CH87807A	1	FRONT AXLE ASSEMBLY -(Includes Ref. Nos. 4-1, 4-2, 4-3, 4-4, 4-5, 4-6)
4-1	-----	4	NUT, Hex, M6
4-2	-----	1	AXLE, Front
4-3	-----	2	BRACKET, Upper Front Axle
4-4	-----	2	BRACKET, Lower Front Axle
4-5	-----	4	BOLT, Hex, M6 x 60
4-6	-----	4	WASHER, Flat, M8
19	CH87649A	1	CONLINK ASSEMBLY -(Includes Ref. Nos. 19-1, 19-2)
19-1	-----	2	NUT, Hex, M6
19-2	-----	1	CONLINK
25	CH87651A	1	WHEEL ASSEMBLY, 8" -(Includes Ref. Nos. 25-1, 25-2, 25-3, 25-4, 25-6, 25-7)
25-1	-----	1	WASHER, Wave
25-2	-----	2	BEARING, Wheel
25-3	-----	1	COVER, Front Wheel Dust
25-4	-----	1	WHEEL
25-6	-----	1	NUT, Locking, Hex, M6
25-7	-----	3	SCREW, Self Tapping, ST4 x 16
30	CH87652A	1	HUB CAP, 8"

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).

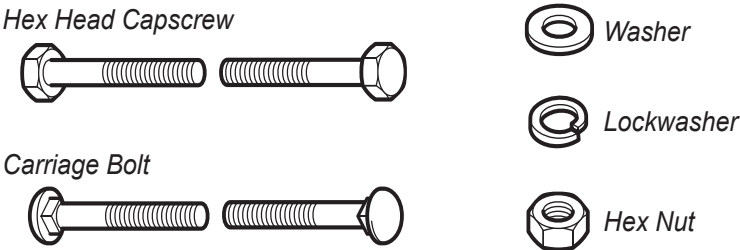
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

