Parts Manual

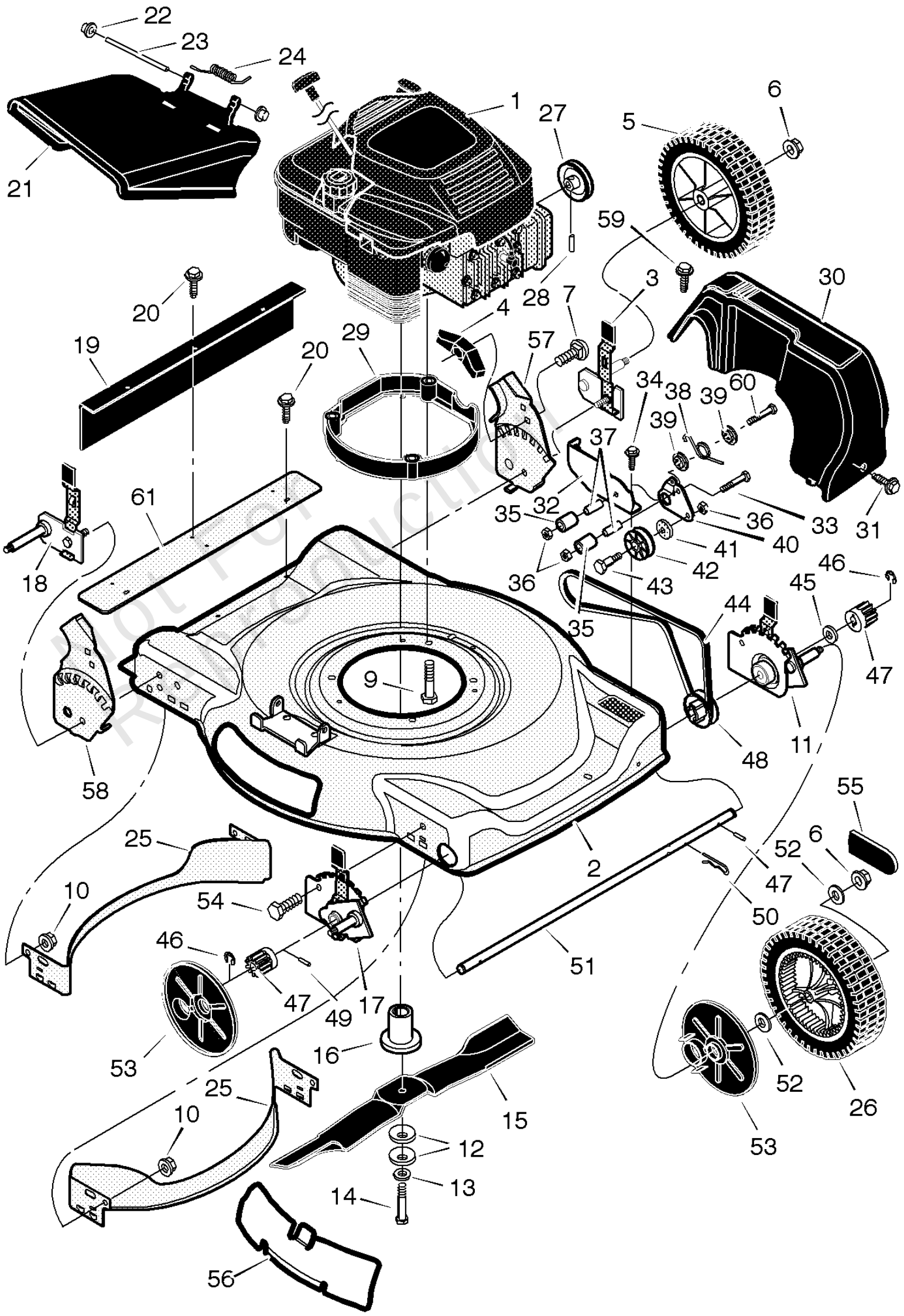
Mfg. No: 22605x50B
Walk-Behind Mower (1999)

Model Components

General Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 22605x50B



General Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	-----		Engine
2	776049		Housing
3	672641MA		Height Adjuster, Left Rear
4	71495		Knob
5	71132		Wheel and Tire, Rear
6	015X84MA		Locknut, Flange
7	002X81MA		Bolt, Carriage
9	025X11MA		Bolt, Engine
10	015X68MA		Nut
11	672643MA		Height Adjuster, Left Front
12	17X137MA		Washer, Belleville
13	17X124MA		Washer
14	01X153MA		Bolt, Hex
15	672735E701		Blade
16	672503MA		Adapter, Blade
17	672642MA		Height Adjuster, Right Front
18	672640MA		Height Adjuster, Right Rear
19	672738MA		Guard, Rear
20	26X245MA		SCREW-#10X.5 B W/WAS
21	672721		Deflector, Chute
22	028X42MA		Push-On Cap
23	215X11 Z		Pin, Pivot
24	0166X5MA		Spring
25	672744E700		Baffle
26	71133		Wheel and Tire, Drive
27	71434		Pulley
28	032X64MA		Pin, Spring
29	672671 E700		Base, Engine
30	672722		Cover, Belt
31	26X259MA		Screw
32	672751 Z		Bracket, Idler Support
33	001X81MA		Bolt
34	26X263MA		SCREW.25-20 S-T
35	71778		Idler, Backside
36	015X43MA		Locknut
37	71793		Bearing
38	166X45MA		Spring
39	71789		Spacer
40	672753 Z		Arm, Pivot
41	71788		Spacer
42	71779		Pulley, Idler
43	009X50MA		Bolt, Shoulder
44	37X100MA		Belt
45	17X186MA		Washer
46	011X16MA		Ring, Retainer
47	71792		Gear, Pinion
48	71791		Pulley
49	43629		Pin, Drive
50	0031X9MA		Pin, Hair
51	672508MA		Axle
52	17X169MA		Washer

General Assembly

Note: Unless noted otherwise, use the standard torque specifications

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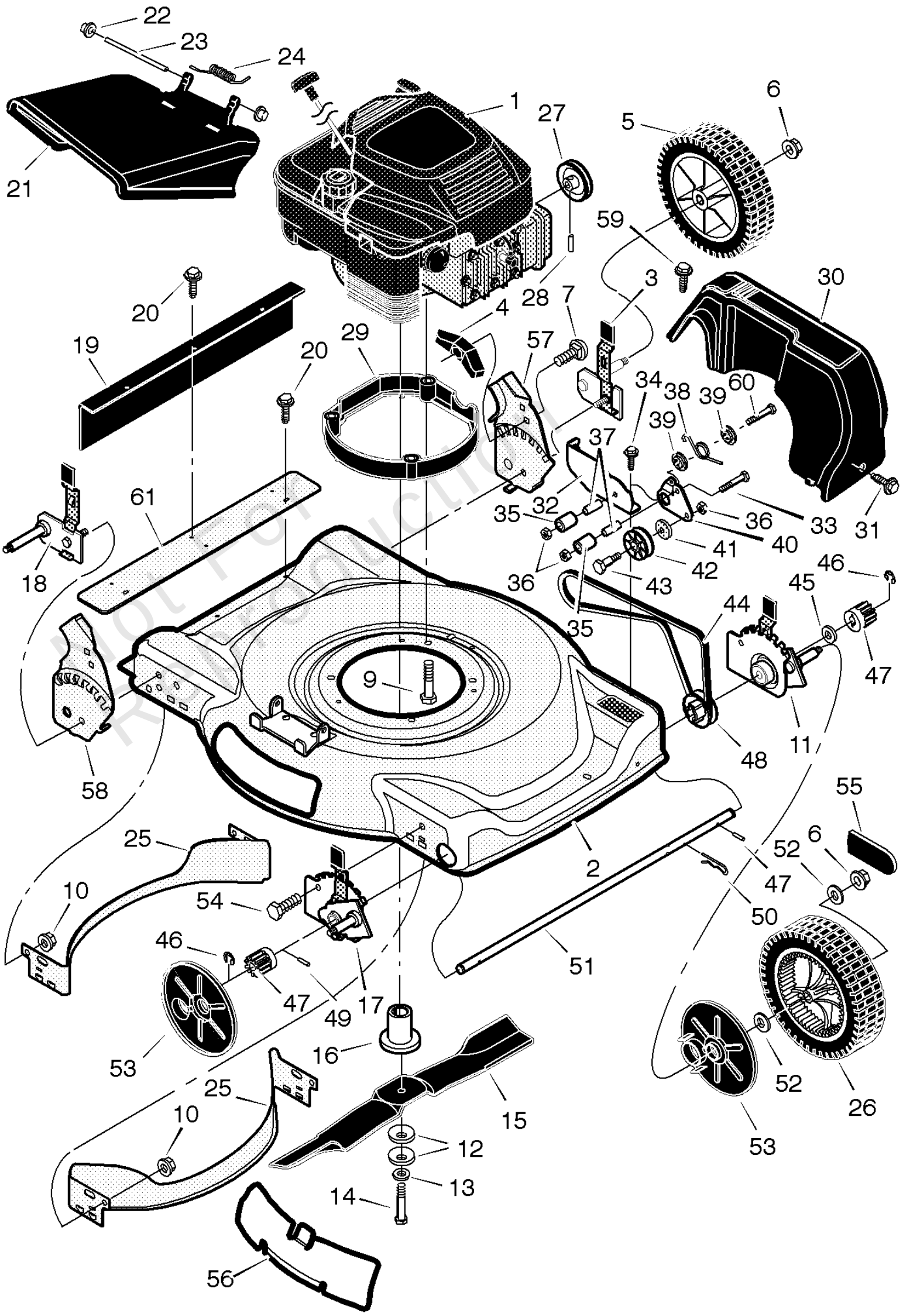


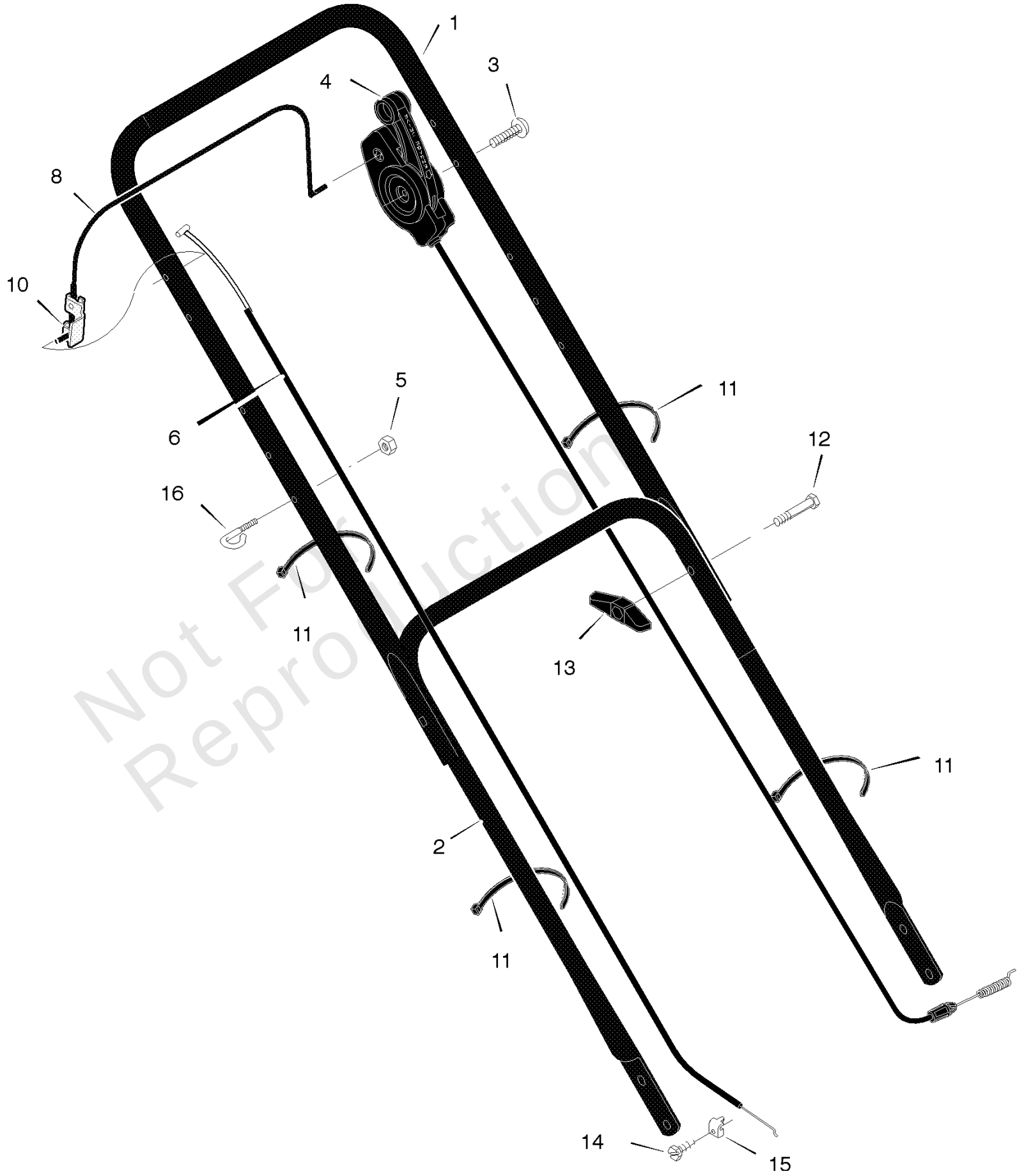
General Assembly

REF NO	PART NO	QTY	DESCRIPTION
53	71780		Cover, Dust
54	001X85MA		Bolt
55	672122MA		Hub Cap
56	672422 Z		Plate, Mulcher
57	672335E700		Bracket, Left Handle
58	672334E700		Bracket, Right Handle
59	26X289MA		Screw
60	01X120MA		Bolt
61	672711E700		Extension, Rear
--	F-99418		Book, Instruction

Handle Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 22605x50B



Handle Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	672666E724		Handle, Upper (Black)
2	71137E724		Handle, Lower (Black)
3	26X286MA		Screw
4	672581MA		Control, Drive
5	15X116MA		Locknut
6	672561MA		Cable, Stop
8	672571E700		Lever, Stop
10	43628 BC		Bracket, Stop Lever
11	71372		Fastener, Cable
12	002X77MA		Bolt
13	71294		Knob
16	71530		Guide, Rope

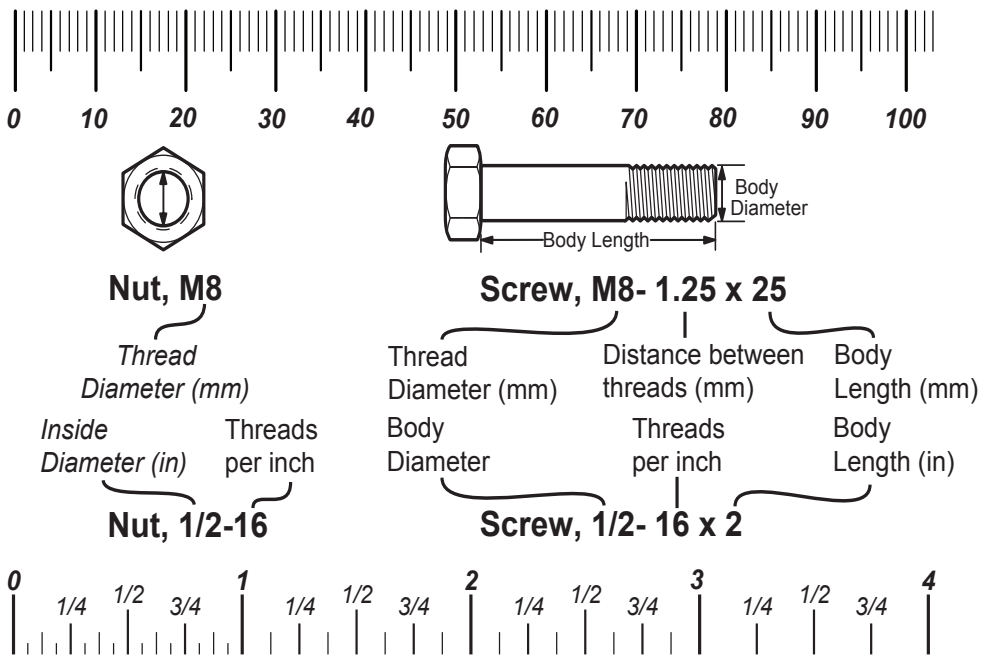
Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)

Property Class	5.6 Class 5.6		8.8 Class 8.8		10.9 Class 10.9		12.9 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

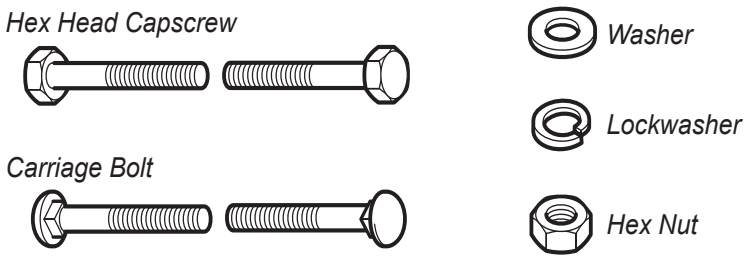
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks 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

1. 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.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. 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—22 mm