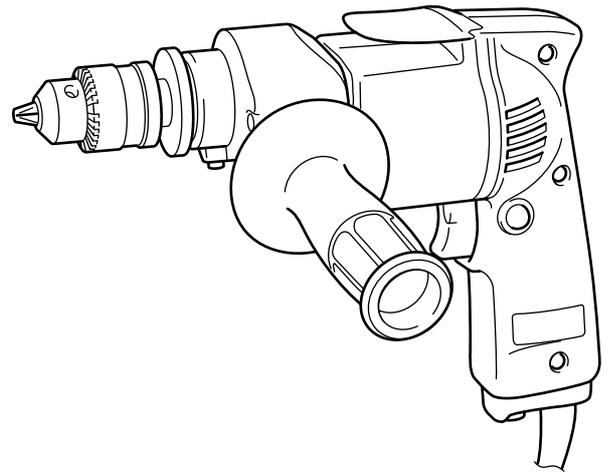


For Models ▶ 6000R

Description ▶ MAKITA Unidrill



CONCEPTION AND MAIN APPLICATIONS

”Unidrill” is the abbreviation of Universal drill meaning ”almighty”. Multi-purpose drill usable for wooden screw, Tex, other screws as well as for ordinary drilling. Very handy owing to a hook attached to the body.

► Specifications

Motor	DC series commutator motor
Voltage (V)	Single phase 100 ~
Current (A)	3.8
Frequency (Hz)	50~60
Continuous rating input (W)	350
No load Speed (R/min)	0~2,600
Capacity (mm)	Steel drilling 10 Self-drilling (nut runner) 6 Screw driver 6 Tex 6
Net Weight (kg)	1.6
Power supply cord (m)	2.5
Total length (mm)	250

► Standard equipment

Name	Item No.	Q'ty
+ Driver	7640012	1
Driver bit No.2 (L45mm)	7640814	1

Carbon brush CB-20

Optional Accessories

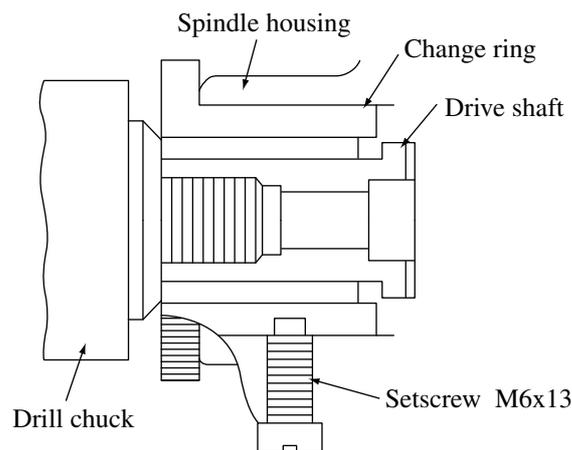
Name	Item No.	Name	Item No.
Rubber pad assembly	7430042	Disk sand paper set	1910027
Socket for Hex.nutM3	7640841	+Driver bit No.3 L:45mm	7640823
Socket for Hex.nutM4	7640742	+Driver bit No.3 L:65mm	7640995
Socket for Hex.nutM5	7640751	- Driver bit 0.6x5x45	7640977
Socket for Hex.nutM6	7640760	- Driver bit 0.6x5x45	7640922
Socket for Hex.nutM6 (for deep hole)	7640850	- Driver bit 0.6x5x45	7640968
Hex. socket 3/8" for Tex	7641192	- Driver bit 0.6x5x45	7640986
+Driver bit No.1 L:65mm	7641002	- Driver bit 0.6x5x45	7640931
+Driver bit No.2 L:65mm	7640887	Phillips bit (hole for wooden screw)	7640904
+Driver bit No.2 L:82mm	7640913	Wool bonnet	7430015

► Features

- 1) Applying Carry hook
When working in a high place or carrying the machine, you can hang the hook on the waist belt , which makes you working more efficiently.
- 2) Multi-purpose
Just by operating Change ring, available for drilling Steel/Wood and tightening/removing screws, etc.
- 3) Speed changer equipment
As Speed control switch is applied, you can select suitable speed for various works, which makes your works more effective. There are three levels in Speed stopper (Low/Middle/High).
- 4) Reverse function
Because of the switch for reverse operation, it is easy to remove screws.
- 5) Double-insulated structure
Safe operation owing to Double-insulated structure, and light weight.
- 6) Equipment for anti radio-interference.

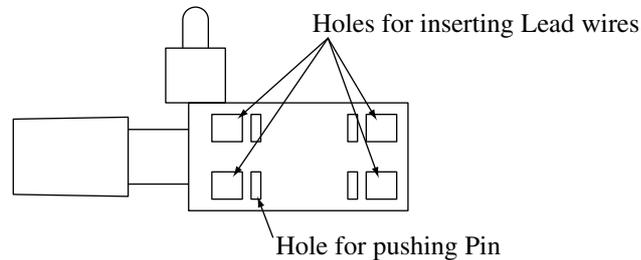
► Notes in assembly • Disassembly

- 1) How to press-fit Ring 7
When exchanging Ball bearing (627LLB)in Armature gear side, you remove Ring 7 at the same time. When re-attaching the Ring 7, press-fit it until the Ring whole surface sticks to the Bearing. As the grooves for returning grease is applied to the Ring, put the grooves in Gear side in press-fitting.
- 2) Baffle plate inserting
When inserting Baffle plate into Motor housing, putting the Baffle face with a Rib in Stator side.
- 3) Notes in Handle cover attachment
In Handle part of Motor housing, many Lead wires are crossing with another complicatedly. When attaching Handle cover, be careful that Lead wire may not pinched by Motor housing and Handle cover.
- 4) How to remove Drill chuck
When removing Drill chuck for exchange of Drive shaft, take off Set screw M6x13, take out Change ring, and hold the chamfered part of Drive shaft top. Then, stop turning of Drive shaft and remove the screw for Drill chuck. Since Screw lock is sticking to Setscrew, heat the screw to melt the lock and remove it . Also, note that the Drill chuck screw is Right screw.



5) How to attach and remove Lead wires for Variable Speed Control Switch

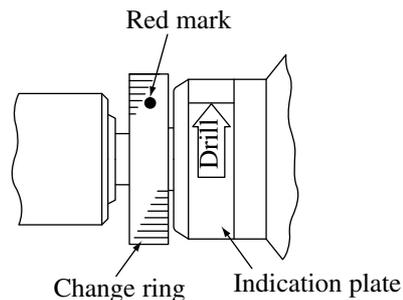
Solder the tip of Lead wires to make a unit of thin wire, and insert it directly into the hole for Lead wire. Next, if you push a sharp pin into a thin longhole beside the Lead wire insert hole, the lead wire comes off the switch. At that time, be careful because the switch may be broken if you push the pin so forcefully. As many Lead wires are connected complicatedly in the machine, be sure to remove them in the order of the initial connecting.



► Notes in handling

1) Usage for "Drilling" and "Screwing"

The machine can be used for both "Drilling" and "Screwing" by operating Change ring. When using it as a Drill, put the red mark of Change ring together correctly with the "Drill" line in Indication plate. In tightening/removing screws, turn Change ring conversely to make the red mark meet with "Screw" line. (Do not use in a condition that the red mark is positioned in the middle of "Screw" and "Drill.")



2) How to adjust the tightening torque of screws

If you put Change ring together with "Screw" and press the machine body, the cam between Drive shaft and Gear is cut off, and Drive shaft enters inside and cams mesh with each other to convey the rotation to Chuck. (Drill chuck does not rotate) When tightening screws, the torque depends on the pressing power, and the screw head may be cut if you press too strongly in tightening small screws. Therefore, in such as case, press the body only a little, and screw adjusting the ON/OFF of the Cam.

3) How to operate Switch w/speed control

The switch changes Drill chuck speed from 0 to 2600 R/pm by your pulling strength of the trigger optionally. The stopper is available for 3-level speed (Low/Medium/High).

4) How to change turning

When changing the turning direction of Drill chuck, push down the switch lever in the lower edge of Handle according to Indication plate. If pushing it down toward "R", Drill chuck turns to the right and toward "L", it turns to the left.

► Utility test data of the machine

Since the Switch stopper is available for 3-level speed, we tested the utility in each speed range and the results are as follows..

Marks ⊙.....Available △.....Available (but not so efficient) X.....Not available

Speed level			1 Low	2 Medium	3 High
Usage	No load speed Size		1,800 r.p.m	2,400 r.p.m	2,600 r.p.m
Screw driver	Wooden screw	3.8x22	⊙	⊙	⊙
		4.5x32	△	⊙	⊙
		5.1x51	X	△	△
	Tex	4mm	△	⊙	⊙
		5mm	△	⊙	⊙
	Screw	M4	⊙	⊙	⊙
		M5	⊙	⊙	⊙
M6		⊙	⊙	⊙	
Drill	For wooden works	15mm	X	X	△
		12mm	X	⊙	⊙
		9mm	X	⊙	⊙
	For Iron works	8mm	⊙	⊙	⊙

► Others

Common part Drill chuck (with MDB10)