

**Models No.** ▶ UC120D, UC120DW, UC120DR

**Description** ▶ 115mm Cordless Chain Saw

## CONCEPTION AND MAIN APPLICATIONS

Model UC120D is the first 12V cordless chain saw in the world. Its brief benefits are;

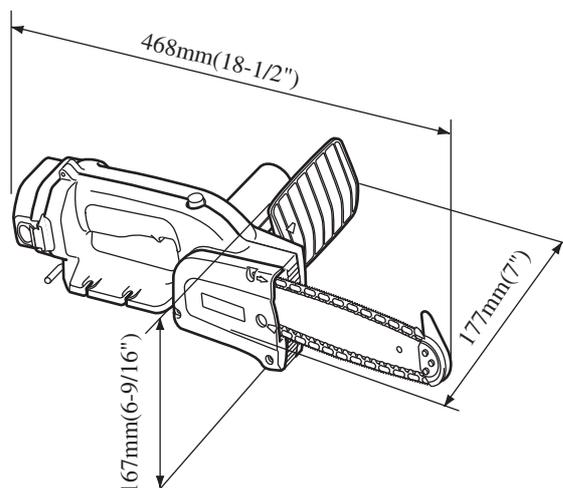
\*Totally new tool for cutting branches, easier than any other tool ever used

\*Branch which diameter is 115mm(4-1/2") or less can be cut.

Model UC120DA is with Battery 1222 (without fast charger).

Model UC120DWA is with Battery 1222 and Fast Charger DC1410.

Model UC120DRA is with Battery 1222 and Fast Charger DC1209.



### ▶ Specifications

<b>Motor</b>	DC 12V magnet motor		
<b>Battery</b>	Battery 1222 (Ni-Cd, 12V, 2.0Ah)		
<b>Chain speed</b>	160m/min. (520FPM)		
<b>Chain type</b>	25AP		
<b>Chain pitch</b>	1/4"		
<b>Gauge</b>	0.050"		
<b>Number of link</b>	42		
<b>Cutting capacity</b>	115mm(4-1/2")		
<b>Number of cutting branches from a single charge</b>	Cherry	ø45mm (1-3/4")	Approx.76
	Pine	60x70mm (2-3/8"x2-3/4")	Approx.26
<b>Net Weight (including battery)</b>	2.2kg(4.8 lbs)		

### ▶ Standard equipment

- Guide Bar Case-----1 pc.
- Battery Cover-----1 pc.
- Hex. Wrench 5-----1 pc.
- Oil Supply-----1 pc.
- File 4-----1 pc.
- Plastic Carrying Case ----1 pc

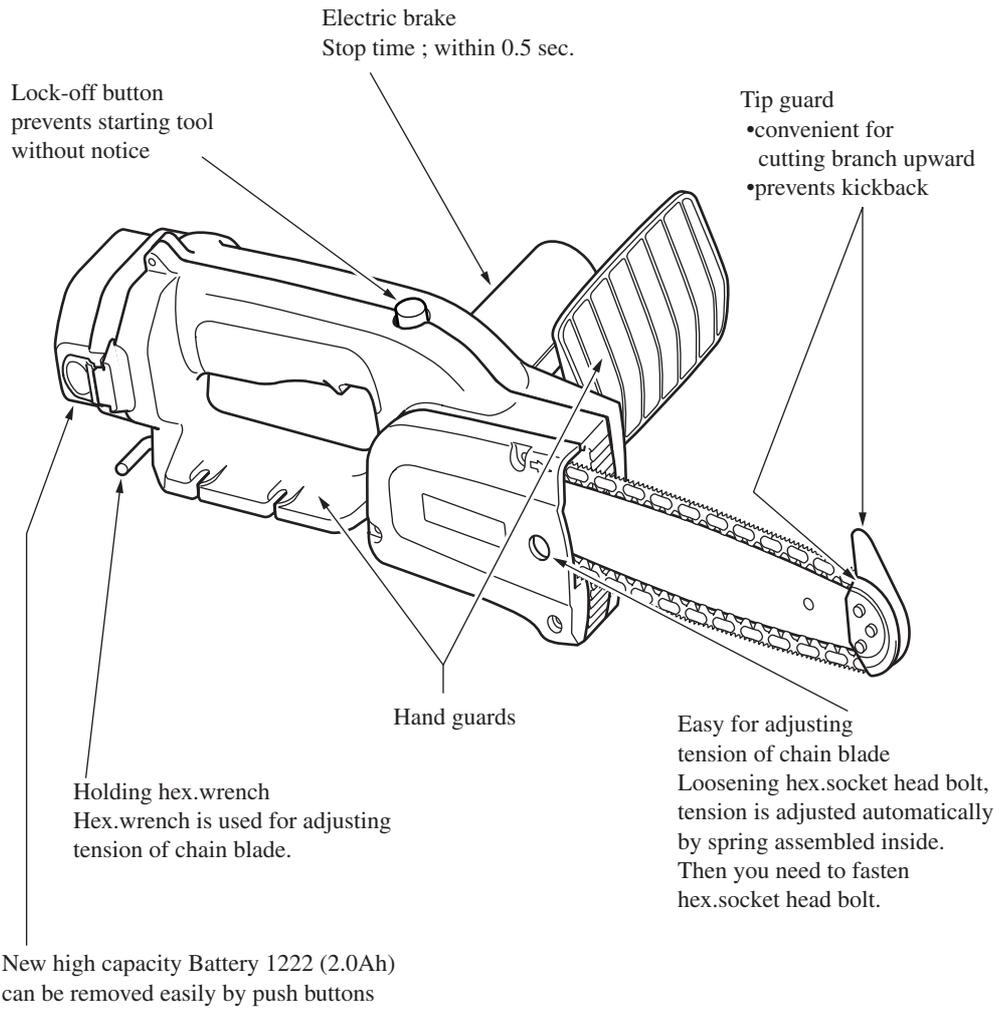
### ▶ Optional accessories

- Saw Chain
- Battery 1222
- Fast Charger DC1410
- Fast Charger DC1209
- Fast Charger DC1201

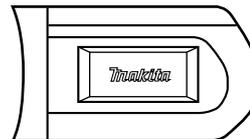
### ▶ Features and benefits

See the attached sheet for more information.

The standard equipment for the tools shown may differ from country to country



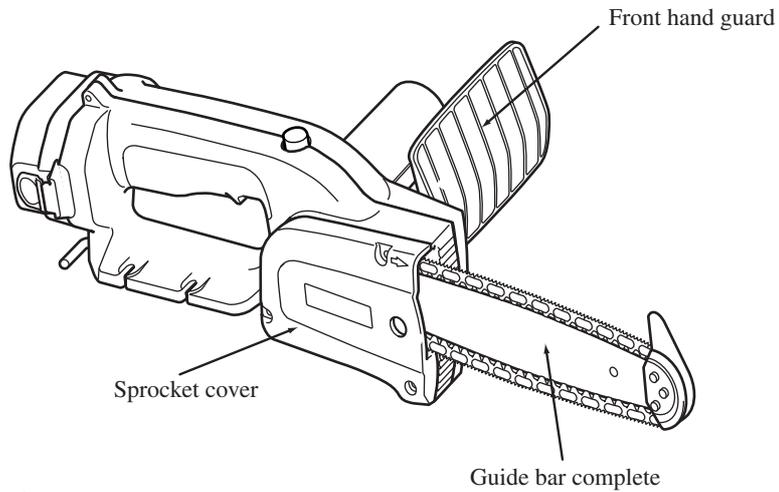
Guide Bar Case



## ► Repair

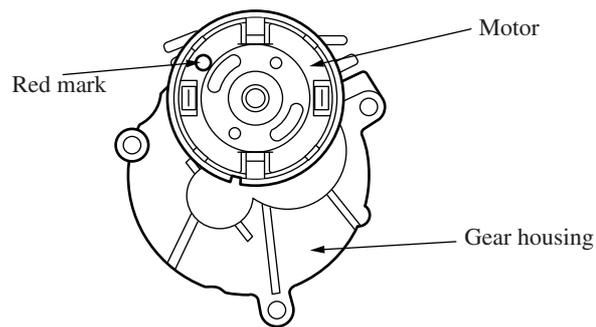
### 1. Disassembling of housing

Disconnect the sprocket cover and front hand cover, use the hexagon rod wrench to remove the guide bar complete, and then remove the housing.



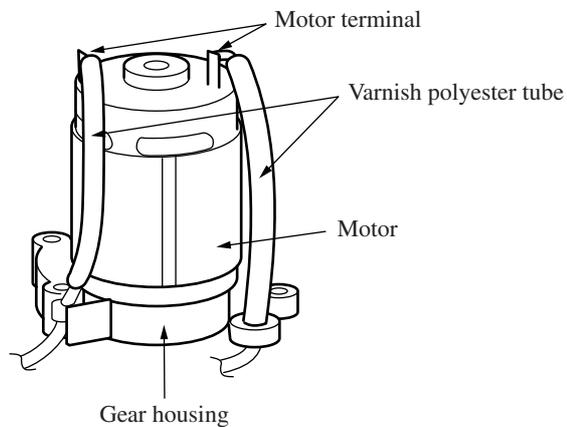
### 2. Mounting direction of motor

Set the motor on the gear housing in a way that the red mark faces toward direction shown below.



### 3. Mounting positions of varnish polyester tube

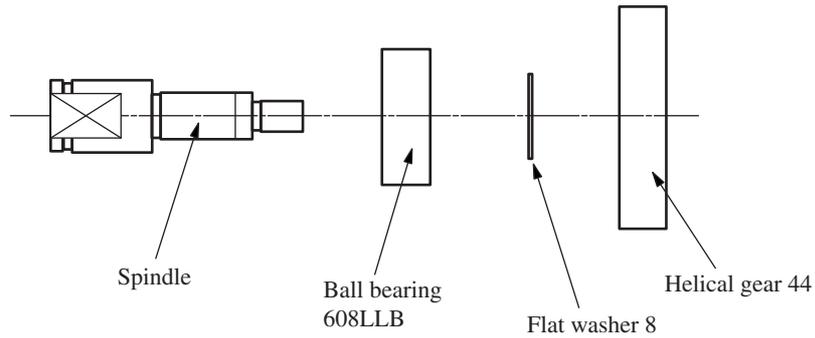
Mount the varnish polyester tubes (two pieces) between motor terminal and gear housing.



#### 4.Replacing of spindle, ball bearing and helical gear 44

Use the jig to insert them in the orders shown below.

Grease the MAKITA grease N NO.2 of 1.5 g on all the circumference of the teeth face when replacing the helical gear 44.



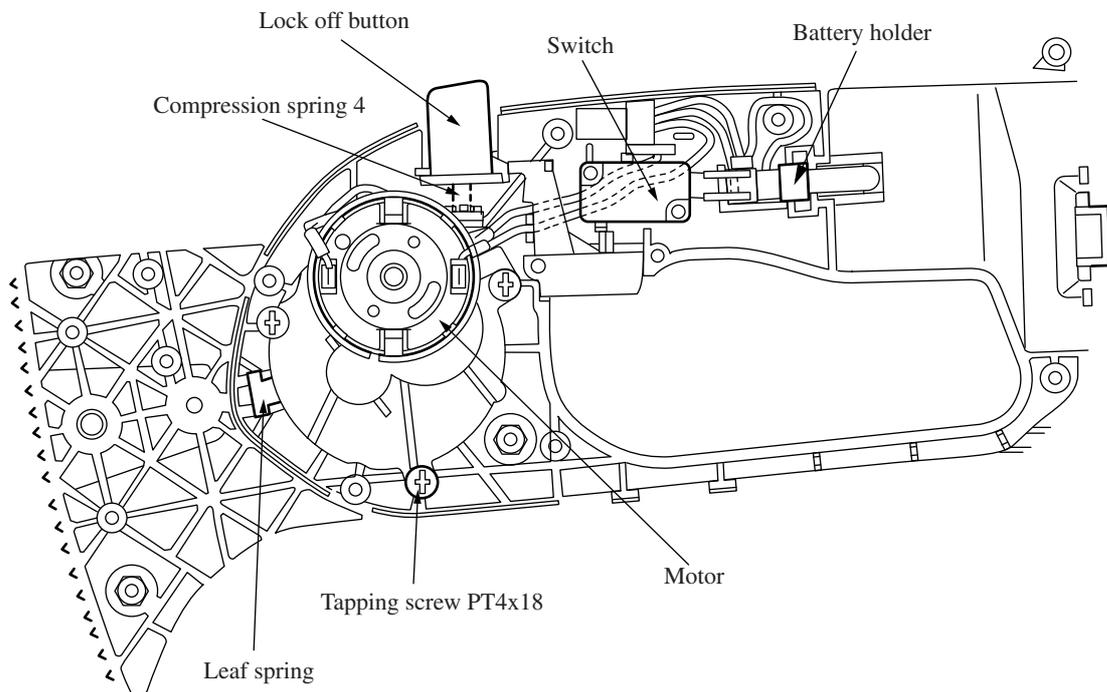
#### 5.Replacing of spiral gear 15, Gear housing 9-46

Grease the MAKITA grease N NO. 2 of 1.5 g on all the circumference of each teeth face when replacing the spiral gear 15 and gear complete 9-46.

#### 6.Housing of each parts

Assemble each parts and lead wires as shown on the figure below.

Securely mount the lead wire on the lead holder.



## ► Circuit drawing

