

# TECHNICAL INFORMATION

**Makita**  
NEW TOOL

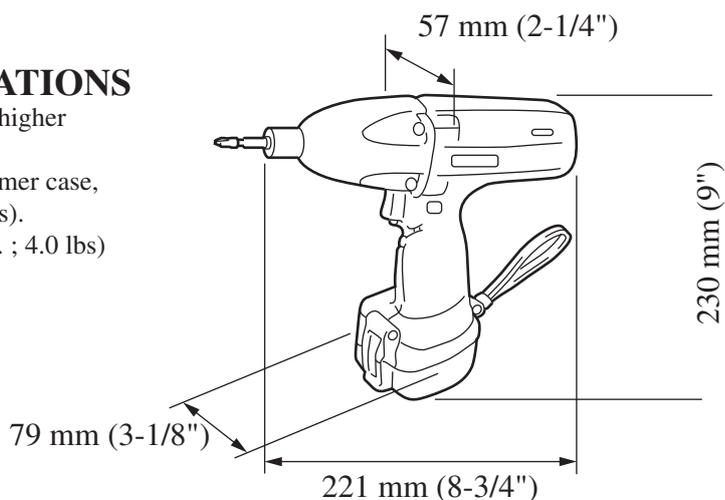
**Models No.** ▶ 6911D/DW

**Description** ▶ Cordless Impact Driver

## CONCEPTION AND MAIN APPLICATIONS

This is a 12V powerful Cordless Impact driver with higher torque for increasing the fastening efficiency. It is equipped with durable aluminum die-cast hammer case, however compact and light weight (1.8 Kg. ; 4.0 lbs). The variations of this model are as follows.(1.8 Kg. ; 4.0 lbs)

Model No.	Battery	Charger
6911D	NiCd.1200	Without
6911DW	NiCd.1200	with DC1200



## ► Specification

Motor	DC Magnet motor 12 V
No load speed	0 - 1,800 rpm.
Blows per min.	0 - 2,500bpm.
Max. fastening torque	1,000 Kg.cm (72.3 ft.lbs)
Machine screw	4mm - 8mm (5/32" - 5/16")
Standard bolt	5mm - 12mm (3/16" - 1/2")
High tensile bolt	5mm - 10mm (3/16" - 3/8")
Net weight	1.8 Kg. ( 4.0 lbs)

## ► Standard equipment

NiCd Battery cartridge 1200,  
Philips bits 2-65, 3-65,  
Bit piece  
Fast charger DC1200 (only for Model 6911DW)  
Plastic carrying case (only for Model 6911DW)

The standard equipment for the machine shown may differ from country to country.

## ► Optional accessories

NiCd Battery cartridge 1200,  
Various size of Philips bits  
Various size of socket bits  
Bit piece,  
Fast charger DC1201

## ► Feature and benefits

1. Very strong fastening power from compact and light weight body equipped with 12V DC motor.
2. Durable aluminum die-cast hammer case.
3. Variable speed for getting exact starting point you want.
4. Bit holder with slide sleeve for easy and quick change of driver bits.
5. Reversible switch for removing screws or bolts.
6. Electric brake for fastening convenience.
7. With hand strap.

## ► Repair

### < 1 > Dismounting of Housing

Take off hammer case and O ring from housing.  
Then, the housing can be removed.

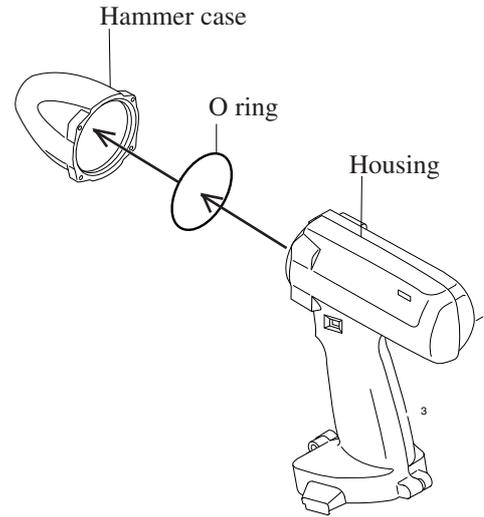


Fig. 1

### < 2 > Removing bit holder on anvil

The structure of bit holder is as Figure 2 illustrated below.

Take off ring spring from the groove of anvil.

Then, sleeve, compression spring and flat washer can be removed from anvil.

Anvil can be dismantled from hammer case after removing bit holder.

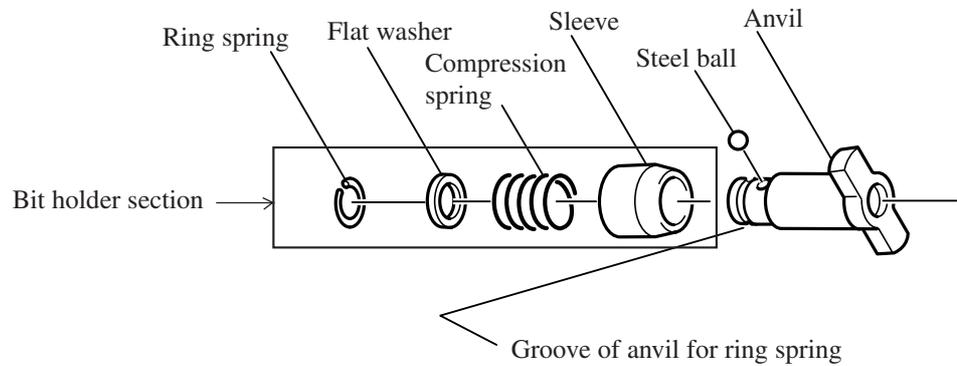


Fig. 2

### < 3 > Assembling flat washer between hammer case and sliding part of anvil

Pay attention to the face of flat washer, when installing it between hammer case and anvil.

The shaved side of flat washer has to face to the rotating part of anvil as illustrated in Fig. 3.

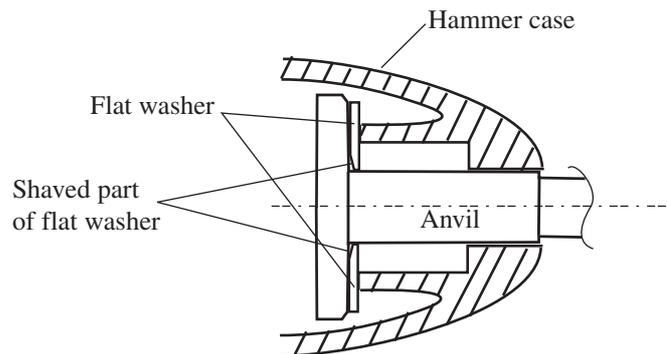


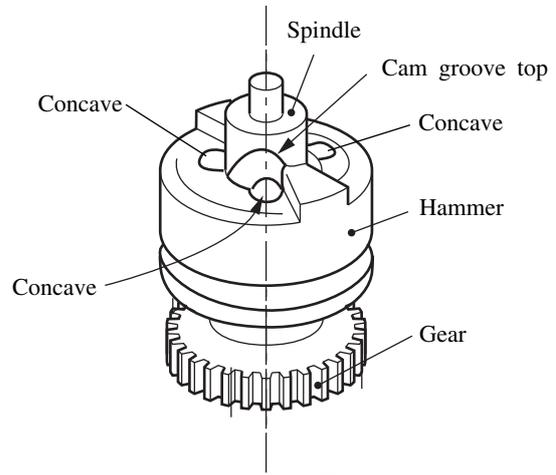
Fig. 3

< 4 > Removing hammer

Press down hammer with arbor press.  
Adjust the 4 concaves of hammer to cam groove top of spindle by turning gear, and take off steel ball from spindle.

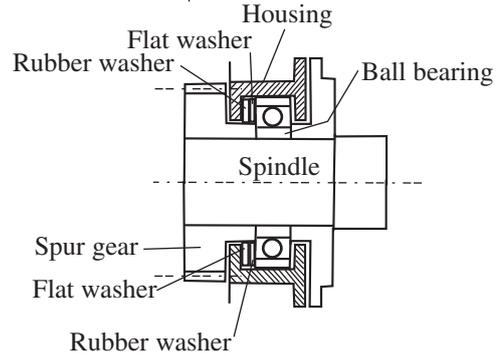
(Note)

\* Steel ball can not be taken off without adjusting 4 concaves of hammer to top of cam groove of spindle.



< 5 > Assembling spindle complete to housing

Flat washer and rubber washer which are to be assembled between ball bearing and spur gear, have to be assembled to housing as a set.



< 6 > Tightening tapping screws

Tapping screws have to be tightened after assembling hammer case to housing with the following torque.

Part's name	Adjusted torque on torque wrench (tightening tool)
Housing set	12 - 16 Kgcm (0.9 - 1.2 ft.lbs)
Hammer case	18 - 22 Kgcm (1.3 - 1.6 ft.lbs)

► **Circuit diagram**

