

T ECHNICAL INFORMATION

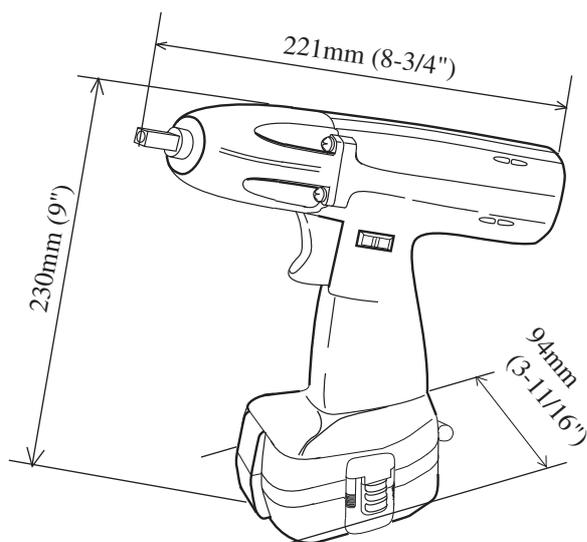
Models No. ▶ 6915D

Description ▶ Cordless Impact Wrench

CONCEPTION AND MAIN APPLICATIONS

This model is 12 V push button battery version of Mod.6911HD, and the variations are as follows.

Model No.	Battery	Charger	Plastic Carrying Case
6915DWB	NiMH 1233 1 pc.	DC1411	Yes
6915DWA	NiCd 1222 1 pc.	DC1411	Yes



► Specification

Motor	DC RS-775VF-8510	
Voltage (V)	12 V (NiMH battery 2.2 Ah and NiCd battery 2.0 Ah)	
Variable speed control switch	Yes	
No load speed	0 - 1,800 min ⁻¹ (rpm.)	
Blows per min	0 - 2,500 min ⁻¹ (bpm.)	
Reversible switch	Yes	
Electric brake for quick stop	Yes	
Square drive	12.7 mm (1/2")	
Max.fastening torque	120 Nm (1,040 in.lbs)	
Tightening capacity	Standard bolt	M8 - M14
	High tensile bolt	M6 - M12

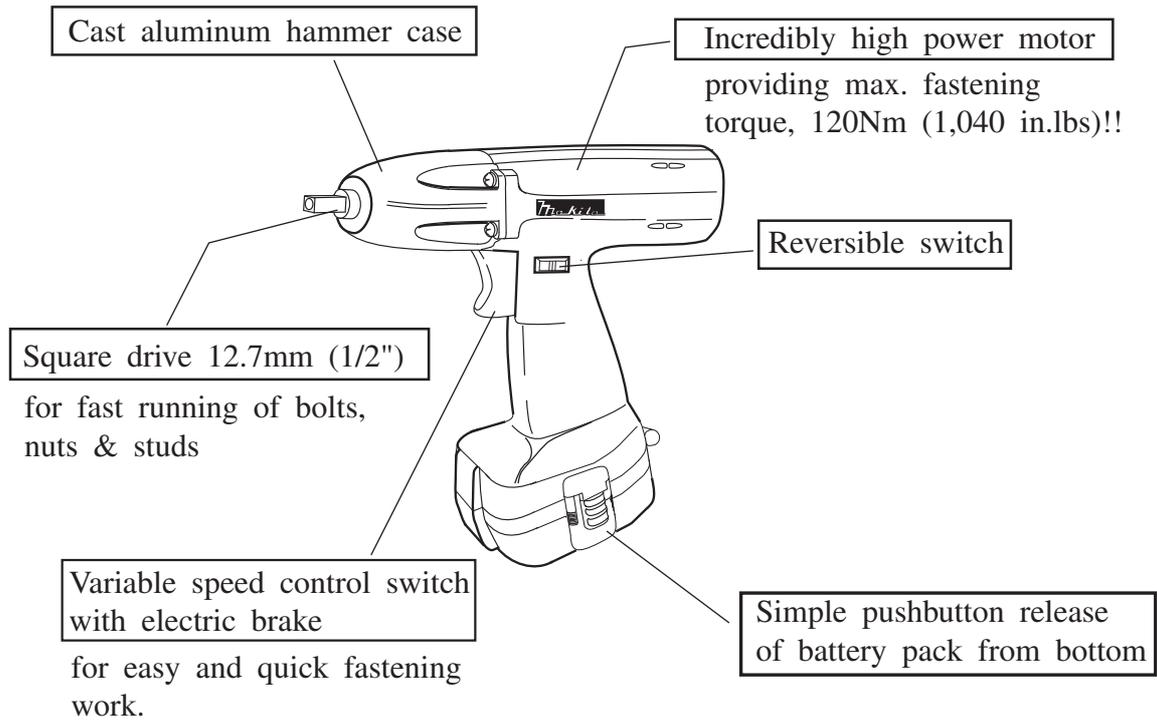
► Standard equipment

Socket 19 - 38
Pin 3
O ring 24
Set plate for battery without push button
Battery cover

► Optional accessories

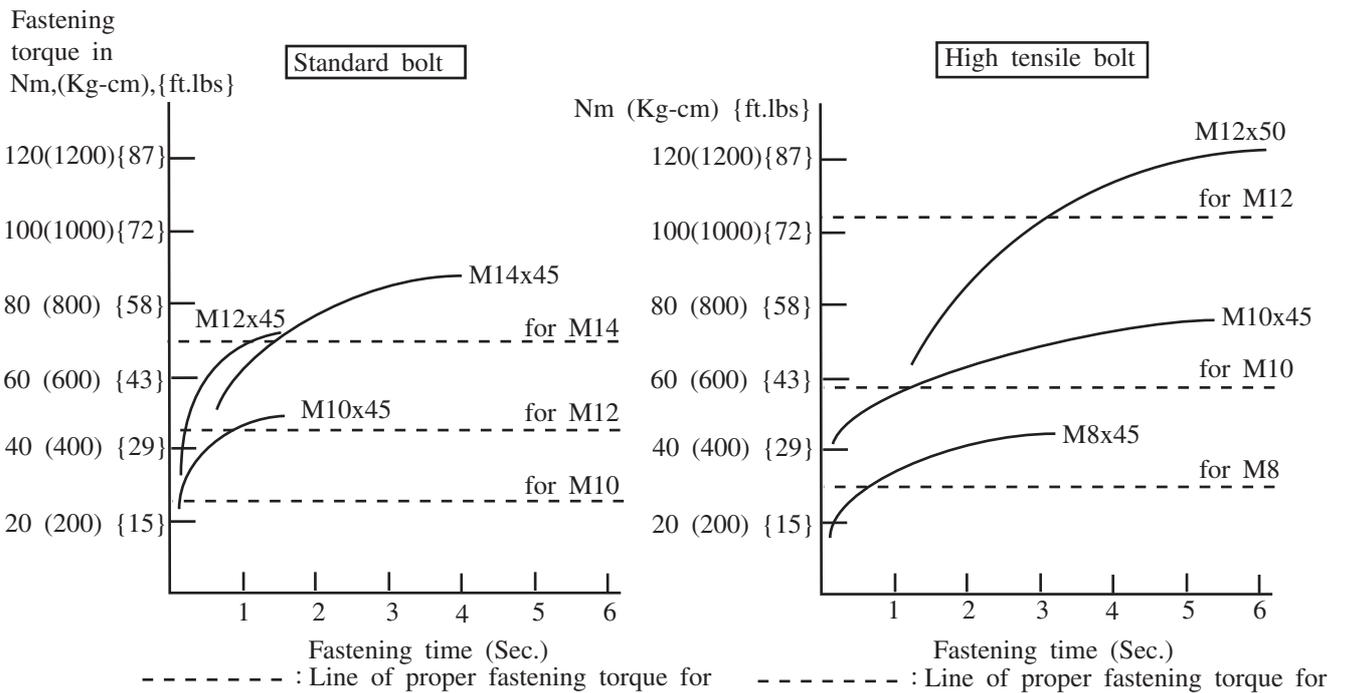
Battery 1222, 1233, 1200, 1202, 1220
Charger DC1411, DC1422, DC1801
Various Sockets with square drive size 12.7mm (1/2")

► **Feature and benefit**



Capacity

The proper fastening torque is depending on the size and material of bolts. Refer to the figure below for the relation between fastening time and fastening torque.



The testing bolts are as follows.

Kind of bolt	Stability class	Tensile strength
Standard bolt	4.8	4.1 N/mm ² (40Kg/mm ² , 56.9 x 10 ³ PSI)
Standard bolt	11T	11.2N/mm ² (110Kg/mm ² , 156.4 x 10 ³ PSI)
High tensile bolt	F11T	10.2N/mm ² (40Kg/mm ² , 142.2 x 10 ³ PSI)

▶ Repair

< 1 > Dismounting of Housing

Take off hammer case and O ring from housing.
Then, the housing can be removed.
See Fig.1.

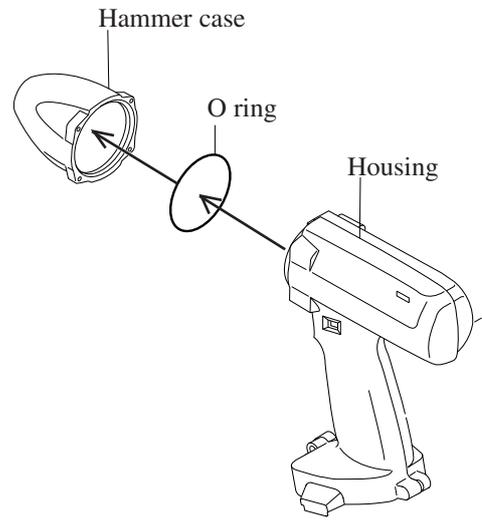


Fig. 1

< 2 > 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. 2.

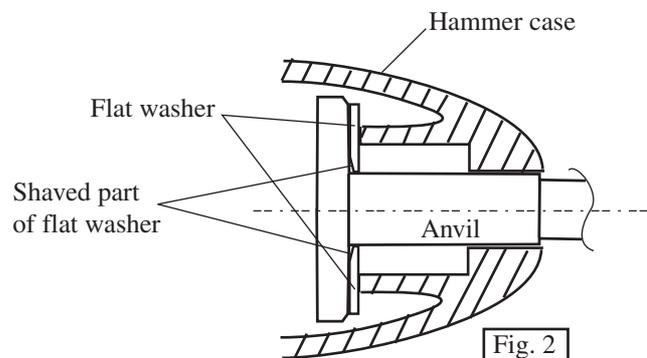


Fig. 2

< 3 > 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. See Fig. 2.

(Note)

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

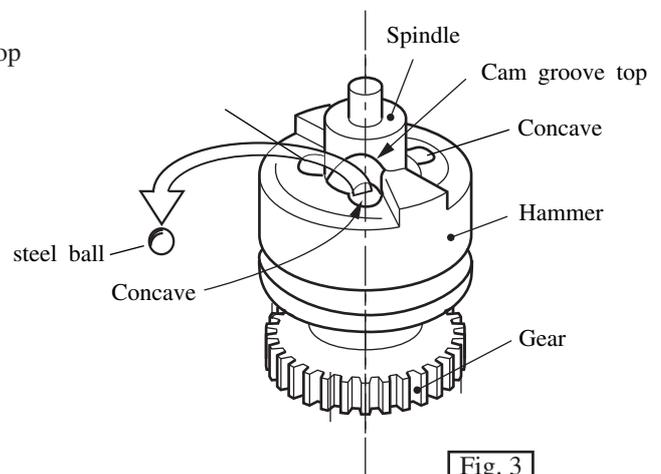


Fig. 3

< 4 > 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.

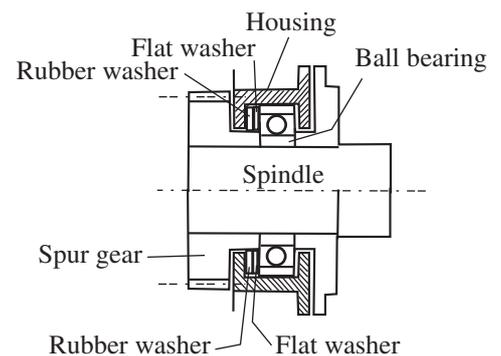


Fig. 4

< 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	1.18 - 1.57Nm { 12 - 16 Kgcm } (0.9 - 1.2 ft.lbs)
Hammer case	1.76 - 2.16Nm { 18 - 22 Kgcm } (1.3 - 1.6 ft.lbs)

When hammer case is assembled to housing, screws have to be tightened diagonally as illustrated in Fig. 5.

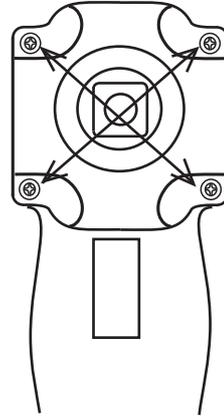


Fig.5

► **Circuit diagram**

