# TECHNICAL INFORMATION

New Tool

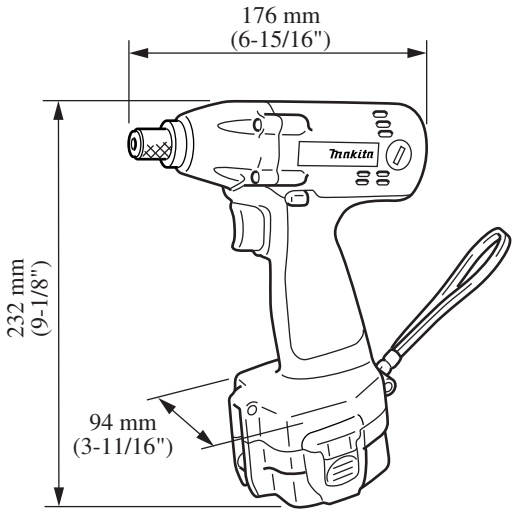
**For Models** ► 6914D

**Description** ► Cordless Impact Driver

## CONCEPTION AND MAIN APPLICATIONS

This 12V cordless impact driver is upgraded version of existing Model 6913D and its brief benefits are;

*Fastest driving speed among the models including competitors'
*More number of screws from a single charge
*Compact design and well balanced
*Lower vibration and lower noise
*Motor is more endurable and longer life.
*Carbon brushes can be replaced without dis-assembling housing.
*New switch has wider area of stroke for variable speed so that speed cotrol becomes easier.
*Reversing switch button located at the top of the handle so that user can change direction easily leaving the other hand free.
*Battery 1222(2.0Ah) can be removed easily by pushing buttons.




| Model | Battery(2.0Ah) | Fast charger | Plastic carrying case |
|---|---|---|---|
| 6914DA | Battery1222 | No | No |
| 6914DWA | Battery1222 | DC1410 | Yes |

## ► Specifications

| | | |
|---|---|---|
| **Motor** | | DC 12V magnet motor |
| **Battery** | | Battery 1222(Ni-Cd, 12V, 2.0Ah) |
| **No load speed** | | 0~2200rpm |
| **Impacts per minute** | | 0~3000 |
| **Bit tpye** | | Hex. shank bit Width across flats : 6.35mm(1/4") |
| **Max. fastening torque** | | 1000kgf.cm(870in.lbs)<br>(At tightning High tensile bolt M12(F10T)) |
| **Capacities** | Machine screw | M4~M8(5/32"~5/16") |
| | Standard bolt | M5~M12(3/16"~1/2") |
| | High tensile bolt | M5~M10(3/16"~3/8") |
| | Coarse thread | 22~120mm(7/8"~4-3/4") |
| | Self drilling | M4~M6 x 13~45mm(5/32"~1/4" x 1/2"~1-3/4") |
| **Net weight** | | 1.7kg |

## ► Standard equipment

Phillips Bit 2-65...1pc. Battery Cover...1pc. Set Plate(to use battery without push buttons)...1pc.
Plastic Carrying Case(6914DWA only)...1pc. ‹Note›The standerd equipment may differ from country to country.

## ► Optional accessories

Phillips Bit 2-65, 3-65 Bit Piece Socket Bit 7-55, 8-55, 10-55, 10-70, 12-86, 13-55, 14-55, 17-55
Keyless Drill Chuck Drill Chuck
Battery 1200, 1202, 1202A, 1222 Fast Charger DC1201, DC1209, DC1410, DC1412

## Repair

(1) Disassembly of Housing R/L:As Hammer case is attached to Housing R/L, you need to take away Hammer case before disassemble Housing R/L.

(2) Disassembly of Bit attaching/detaching part in Anvil: The structure of Bit holder is shown in the Figure 1. If you remove Ring spring from Anvil groove with a tool such as Retaining ring plier , Sleeve and other parts come out. When Bit holder has been disassembled,Anvil can be removed from Hammer case. ( same as in 6913D)

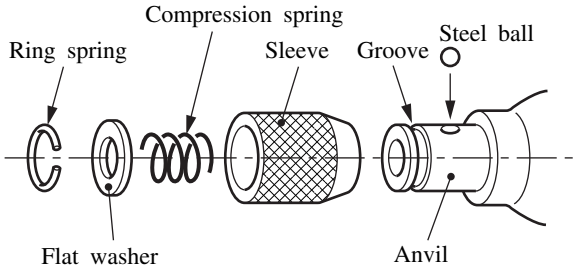



Fig. 1

(3) Disassembly of Hammer:Press Hammer down with Arbor press, put together Steel ball insert entrance of Hammer with Cum groove top of Spindle as Figure 2, and take out Steel ball.

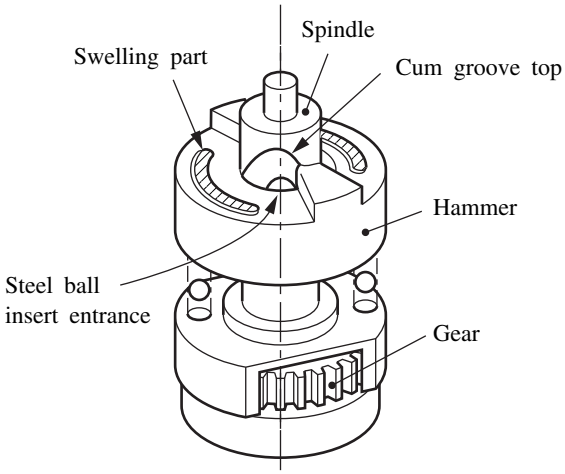
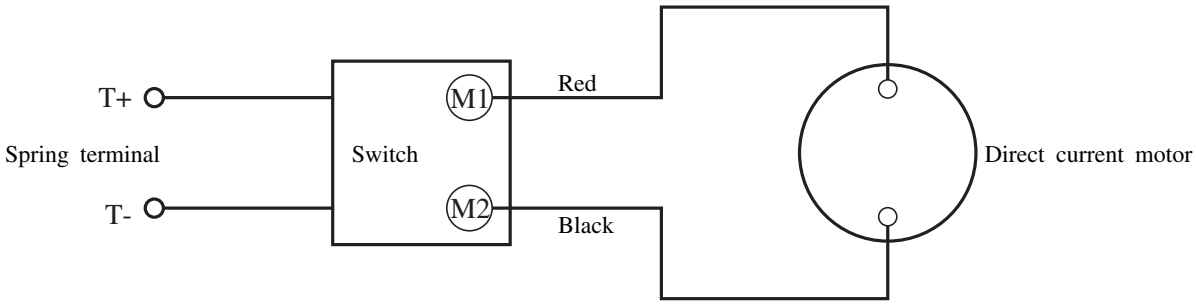



Fig. 2

(4) Tightening of Tapping screw:-- Tightening torque of Housing: 13~18 kgf.cm(11~15 in.lbs)
--Tightening torque of Hammer case : 18~22 kgf.cm(15~19 in.lbs) Be sure to tighten Hammer case in diagonal order.
--Tightening torque of Motor: 12~16 kgf.cm (10~14 in.lbs)

## Circuit diagram




6914D Circuit diagram