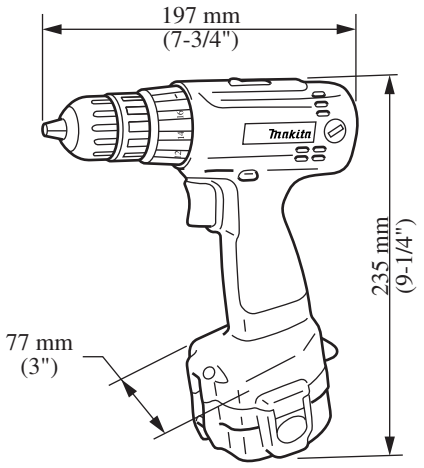
TECHNICAL INFORMATION

New Tool

For Models ► 6204D

Description ► Cordless Driver Drill



CONCEPTION AND MAIN APPLICATIONS

Model 6204D is 9.6V 10mm cordless driver drill,
which is efficient for driving approx. 40mm wood screw
and drilling approx. Ø9mm hole in wood.
Its brief benefits are ;

*Compact design
*Light weight
*Equipped with electric brake
*Longer life motor by replacing carbon brushes

Model	Battery	Fast Charger	Plastic Carrying Case
6204DA	9122(Ni-Cd)	No	No
6204DWAE	9122(Ni-Cd)X2	DC1411	Yes
6204DWBE	9133(Ni-MH)X2	DC1411	Yes

► Specifications

Model		DC9.6V magnet motor
Battery		Battery 9122 (Ni-Cd, 9.6V, 2.0Ah) Battery 9133 (Ni-MH, 9.6V, 2.2Ah)
No load speed		High : 0~1100rpm Low : 0~350rpm
Chuck capacity		0.8mm (1/32") ~10mm (3/8")
Max. drilling capacities	Steel	10mm (3/8")
	Wood	21mm (13/16")
Max. driving capacities	Wood screw	6.1mm (1/4") X55mm (2-3/16")
	Machine screw, Nut	6mm (1/4")
Setting of fastening torque		16 stages + drill-mode
Declutching torque		0.5~5N.m (0.4~3.6ft.lbs) (5~50kgf.cm)
Max. fastening torque (drill-mode)	High speed	6.5N.m (4.7ft.lbs) (65kgf.cm)
	Low speed	20N.m (14.5ft.lbs) (200kgf.cm)
Net weight		1.5kg (3.3lbs)

► Standard equipment

Philips Bit 2-65 .....1pc.
Battery Cover.....1pc.
Set Plate .....1pc.
Plastic Carrying Case.....1pc.(except Model 6204DA)
(NOTE) The standard equipment may differ from country to country.

Optional accessories

Drill Bit 1.5,2,3,4,5,6 Drill Bit for wood 9,12,15
Philips Bit 1-65,2-45,2-65,2-110,2-150,2-250,3-45,3-65,3-110
Slotted Bit 5-45,5-82,6-70,6.35-45,8-45,8-70
Socket Bit 7-55,8-55,10-55
Foam Polishing Pad 125 Rubber Pad Assembly Wool Bonnet 100
Battery 9100,9102,9102A,9120,9122,9133
Fast Charger DC1411,DC1209 (European countries only)
Fast Automotive Charger DC1412 Holster

Repair

(1) Removing gear assembly

Take off drill chuck first.

Be careful that compression spring 4 does not go out from speed change lever, when removing gear assembly from housing.

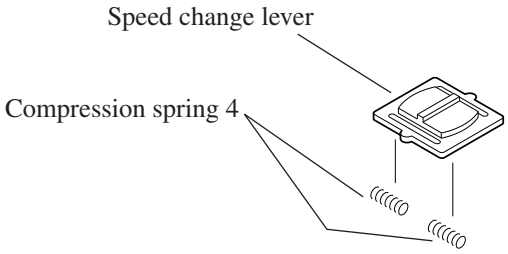


Fig. 1

(2) Assembling

1. Assembling motor and gear assembly

1) Motor bracket is, in advance, assembled to gear assembly for spare parts. Remove the motor bracket from gear assembly by turning anti-clockwise. And fasten motor bracket to motor with screw. See Fig.2.

2) Assemble motor equipped with motor bracket to gear assembly by turning clockwise. See Fig.2.

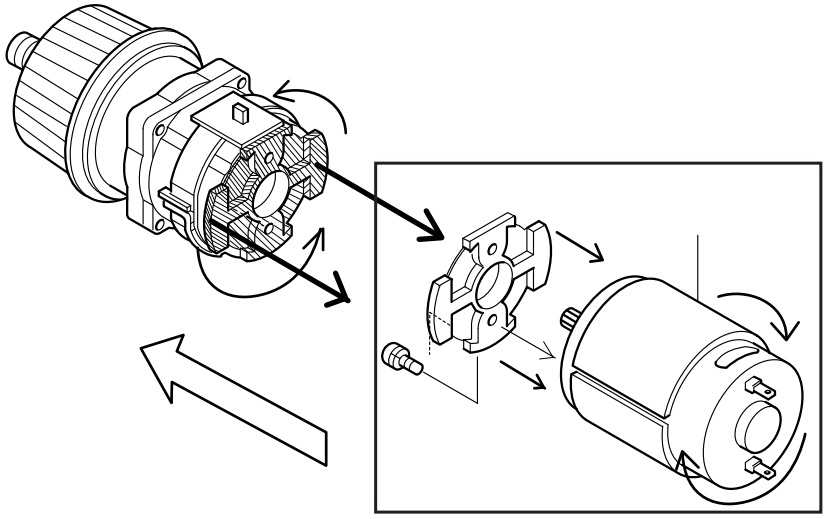


Fig. 2

2. Assembling leaf spring

Assemble leaf spring to housing L as illustrated in Fig.3.

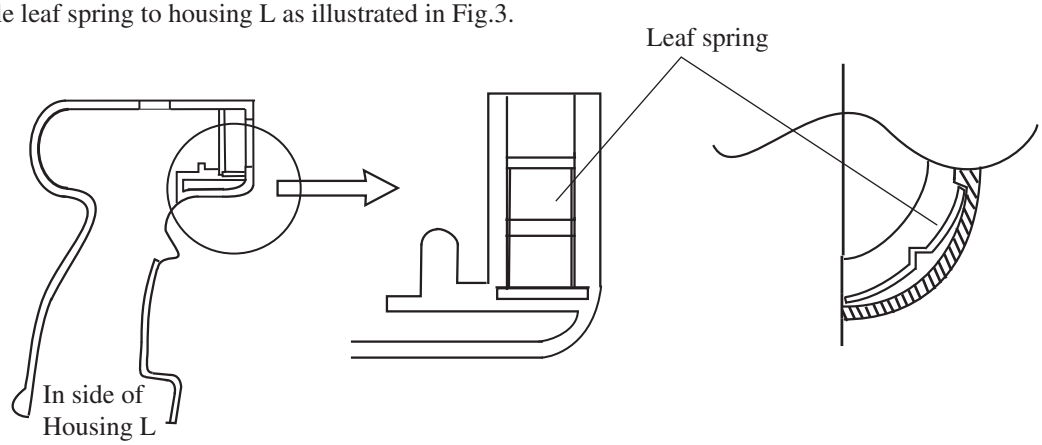


Fig. 3

Repair

2. Installing of Speed change lever

1) Place two Compression spring 4s into Speed change lever as illustrated in Fig4.

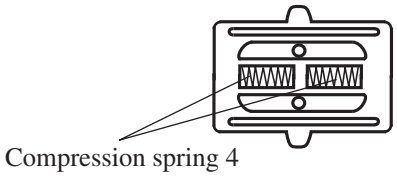


Fig. 4

2) Being careful that compression spring 4 may not comes out , install speed change lever assembly on the projection of change lever as shown in Fig. 5.

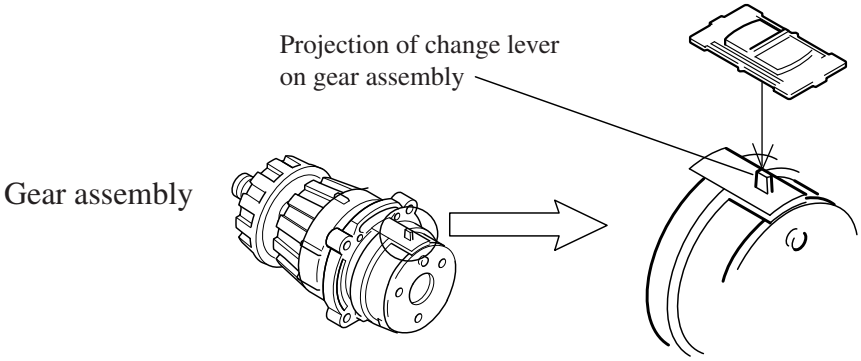


Fig. 5

3 Assembling to Housing

1) When attaching a unit of gear assembly and motor, etc. to housing L, place speed change lever in the position as shown in Fig. 6.

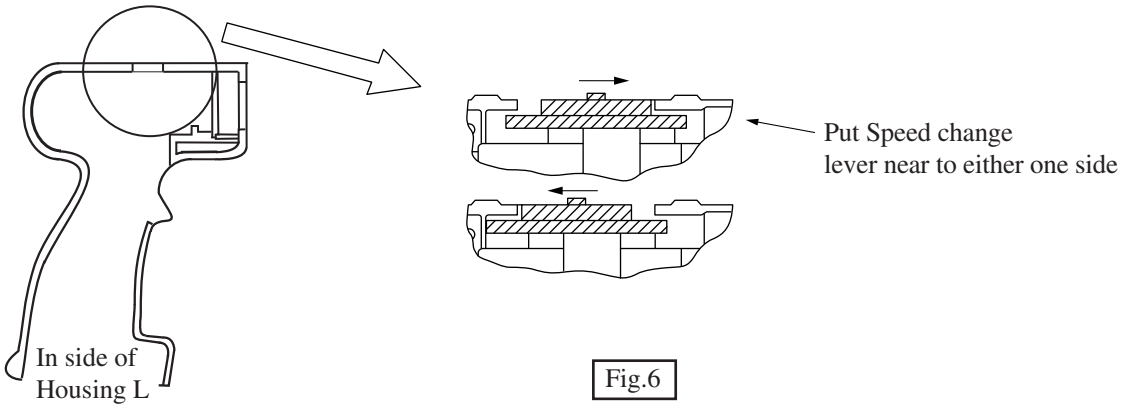


Fig.6

4 Assembling drill chuck

1) Set drill chuck on spindle, and fasten a hex bar with chuck.
2) Hold the machine with vise as illustrated in Fig.7.
3) Adjust the switch or lever as follows.
   Speed change lever : Low speed **I**
   Reversible switch : Clockwise rotation
   Adjusting ring : Drill mode ▽□□□▷ ◀
4) Attach full charged battery to the machine, and hold the grip firmly.
5) Operate the machine adjusted as 1) - 4) with full speed for approx. one second. At this time you have to hold the machine so strong that you can withstand the shock by spindle lock.
6) Open the three jaws of chuck fully, and fasten pan head screw M5x22 anti-clockwise firmly.

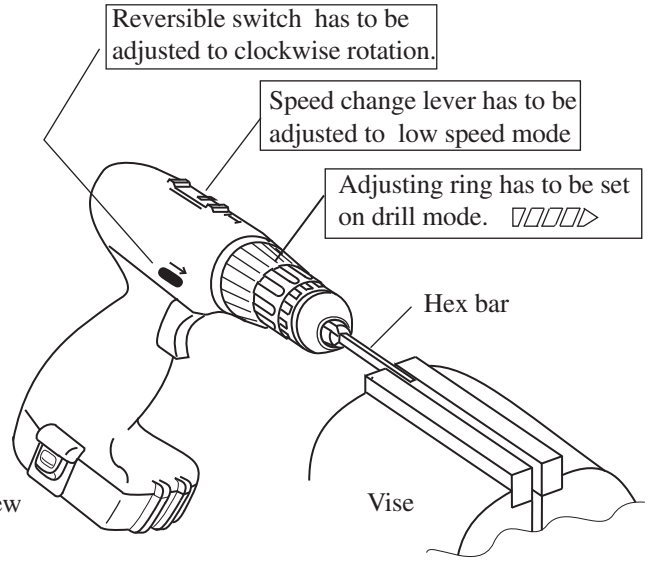
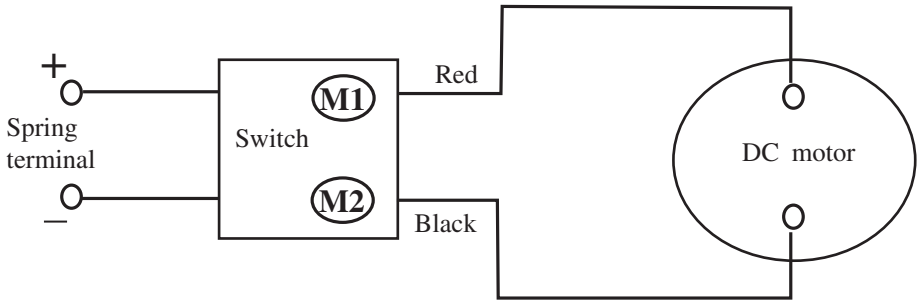


Fig.7

Circuit diagram



Wiring diagram

Lead wires have to be set as illustrated in Fig.C, paying attention to the following matters.

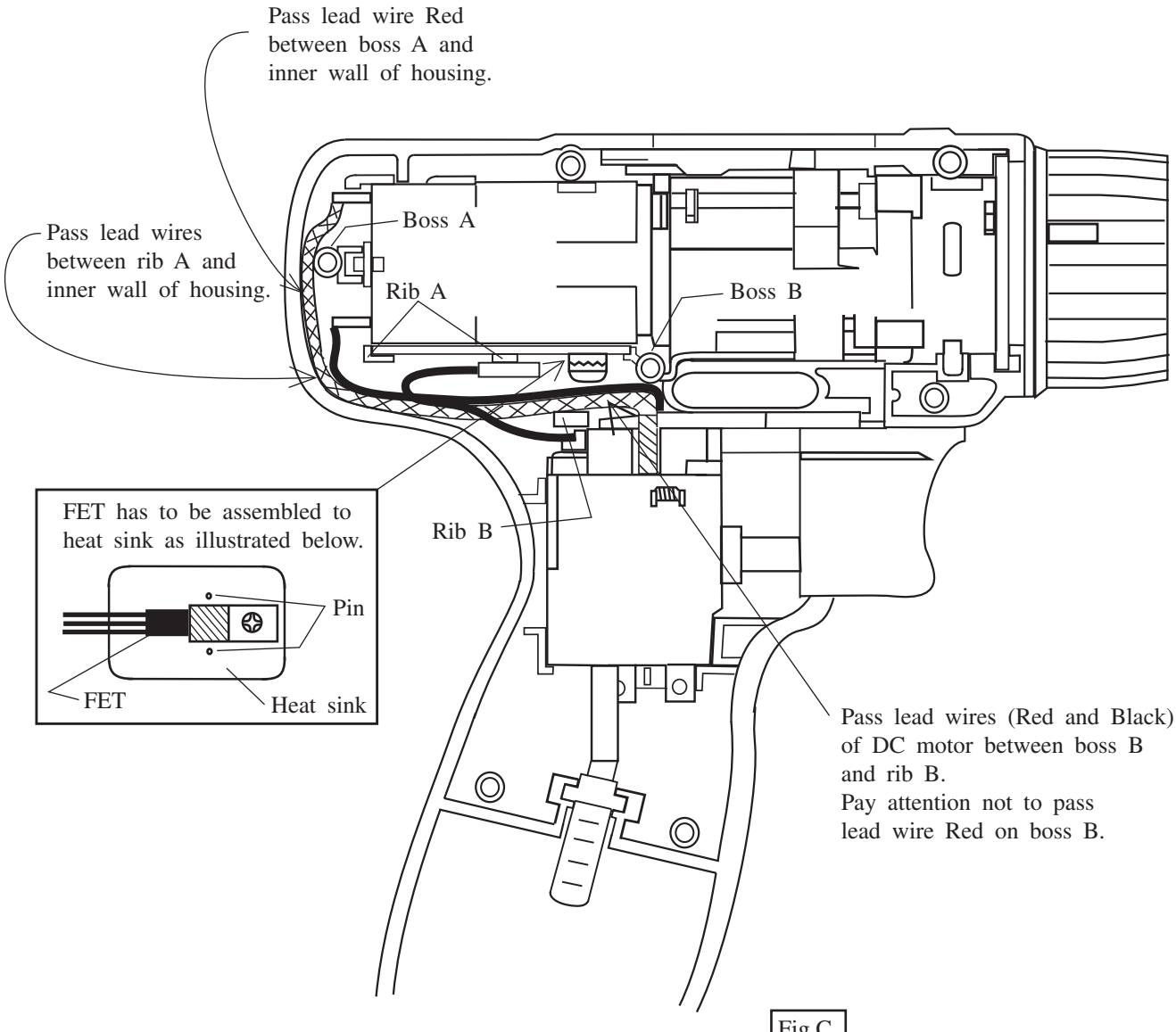


Fig.C