

T ECHNICAL INFORMATION



PRODUCT

P 1 / 5

Models No. ▶ 6918D

Description ▶ Cordless Impact Wrench

CONCEPTION AND MAIN APPLICATIONS

Model 6918D is powered by 12V battery, and features 12.7mm(1/2") square drive with powerful max. torque at 120N.m.

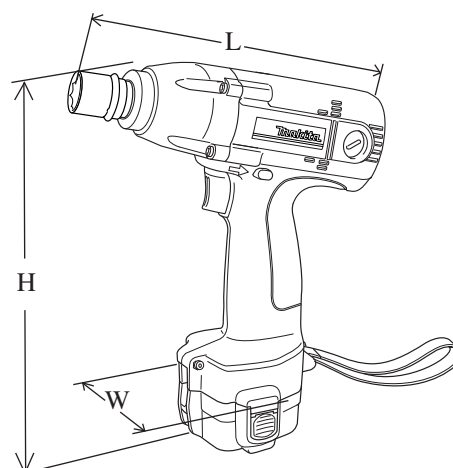
And more handy and compact.

The variations of this model are as follows.

Model No.	Battery		Charger	Plastic Carrying Case
6918DWA	1222 /1 pc.	Ni-Cd, 2.0Ah	DC1411	Yes
6918DWAE	1222 /2 pcs.	Ni-Cd, 2.0Ah	DC1411	Yes
6918DWD	1234 /1 pc.	Ni-MH, 2.6Ah	DC1411	Yes
6918DWDE	1234 /2 pcs.	Ni-MH, 2.6Ah	DC1411	Yes
6918DWF	1235 /1 pc.	Ni-MH, 3.0Ah	DC1411	Yes
6918DWFE	1235 /2 pcs.	Ni-MH, 3.0Ah	DC1411	Yes

Ni-Cd; Nickel Cadmium battery

Ni-MH; Nickel-Metal Hydride battery



Dimensions : mm (")	
Width (W)	94 (3-11/16)
Height (H)	231(9-1/8)
Length (L)	176 (6-15/16)

► Specification

Voltage (V)		D/C 12 V
No load speed (min-1=rpm)		0 - 2,300
Impact per minute (min-1=bpm)		0 - 3,000
Square drive : mm (")		12.7 (1/2)
Capacities	Standard bolt	M8 - M14 (5/16" - 9/16")
	High Tensile bolt	M6 - M12 (1/4" - 1/2")
Max. fastening torque		120N.m (1,220kgf.cm, 1,060 in.lbs)
Overall length: mm (")		176 (6-15/16)
Net weight: kg (lbs)		1.6 (3.5 lbs)

► Standard equipment

Socket 19 - 38 1 pc.
 Pin 4 1 pc.
 O ring 24 1 pc. (Except USA, Canada, Mexico)
 Battery cover 1 pc. (for 6918DWA, 6918DWD, 6918DWF)
 Battery cover 2 pcs.(for 6918DWAE, 6918DWDE, 6918DWFE)

< Note > The standard equipment for the tool shown may differ from country to country.

► Optional accessories

Various sockets	Fast charger DC1439
Battery 1200	Charger DC11411
Battery 1202	Charger DC1801
Battery 1202A	Automotive charger DC1422
Battery 1220	
Battery 1222	
Battery 1233	
Battery 1234	
Battery 1235	

Powerful, Max. Torque

6918D 120N.m (1,064in.lbs)

The Lightest Weight in this class

6918D 1.6kg (3.5lbs)

The Shortest Overall Length in this class

6918D 176mm (6-15/16")

Magnesium Alloy Hammer Case

Brand-new "type D28" Motor

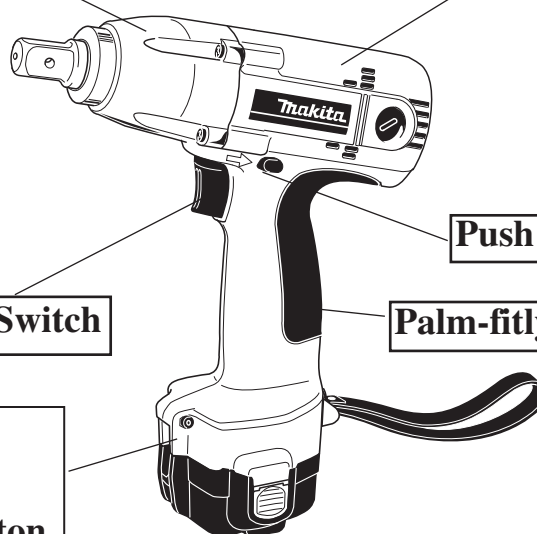
Lighter and smaller than existing "type D31".
With highly efficient cooling system and externally accessible brushes.

Variable Speed Control Switch

Push Button for Reversing

Palm-fitly, Soft Grip

Set plate can be attached to this machine for the battery without push button.



* The set plate is an optional accessory.

Shoulder Strap Available(Optional)

► **Comparison of products**

Model Specification	12V		
	MAKITA		Competitor A
	6918D	6911HD	Model A
Square drive : mm (inch)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
No load speed(min.→rpm)	0 ~ 2,300	0 ~ 1,800	0 ~ 2,200
Impact per minute	0 ~ 3,000	0 ~ 2,500	0 ~ 3,000
Max. torque (N.m)	120 (1,064in.lbs)	120 (1,064in.lbs)	120 (1,064in.lbs)
Externally accessible brushes	YES	NO	YES
Overall length: mm (inch)	176 (6-15/16)	221 (8-3/4)	181 (7-1/8)
Net weight : kg (lbs)	1.6 (3.5)	1.8 (4.0)	1.7 (3.7)
Standard equipment	Socket 19	Socket 19	Socket 19

< Note > The standard equipment for the tool shown may be differ from country to country.

< 1 > Removing housing R and L

Remove hammer case from housing R and L.
And then, housing R and L can be removed.

< 2 > Removing hammer

(1) Press down hammer with 1R045: Large gear extractor
by turning the handle.

(2) Adjust the opening for steel ball inserting to the cam groove top of spindle.

(3) Take off steel ball 5.6 from spindle.

< Note > 25 steel ball 3.5s are installed in hammer.
Check the quantity when assembling.

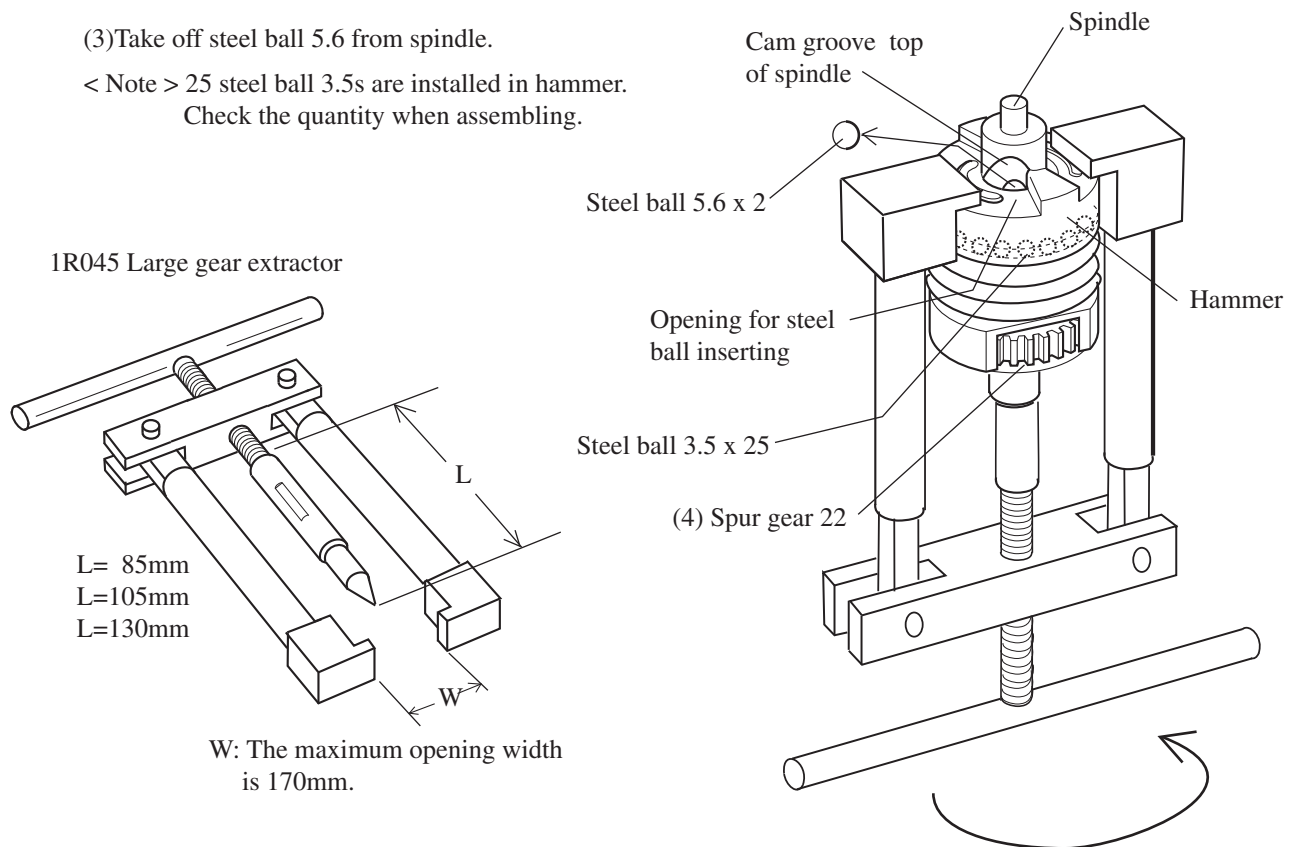


Fig. 1

(4) Apply MAKITA grease N No.2 to the position No. 1, 2, 3 and 4, when assembling.

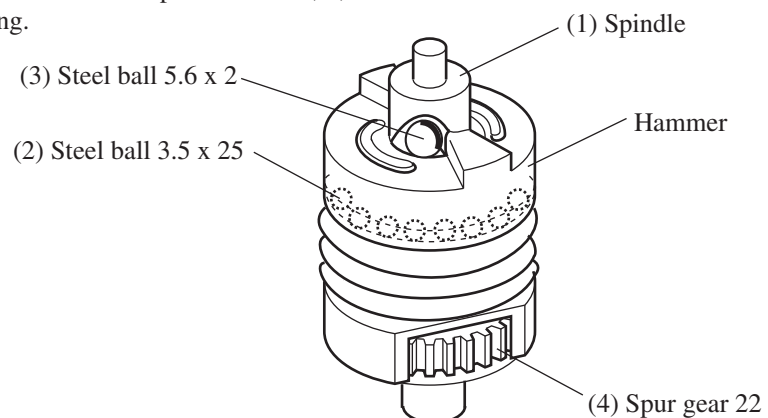


Fig. 2

< 3 > Removing ball bearing 6901LLB

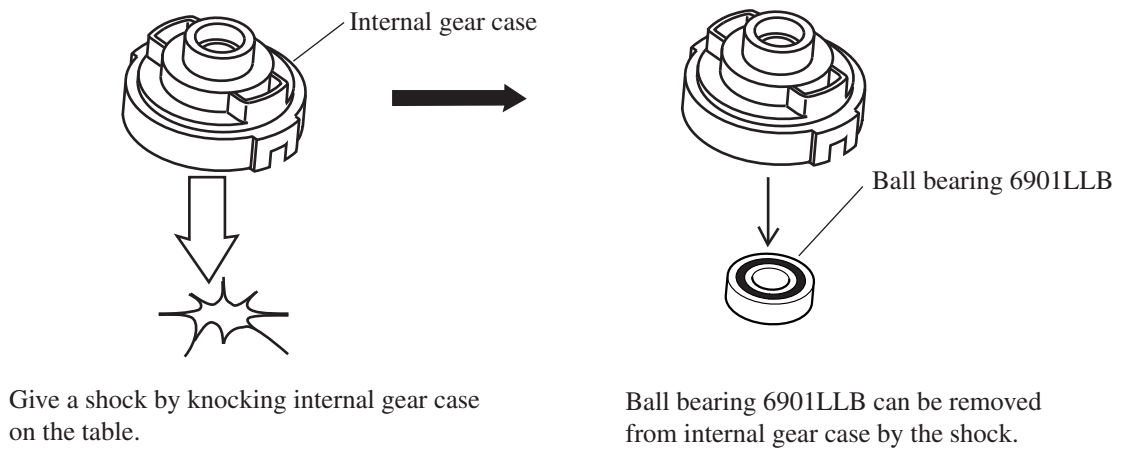
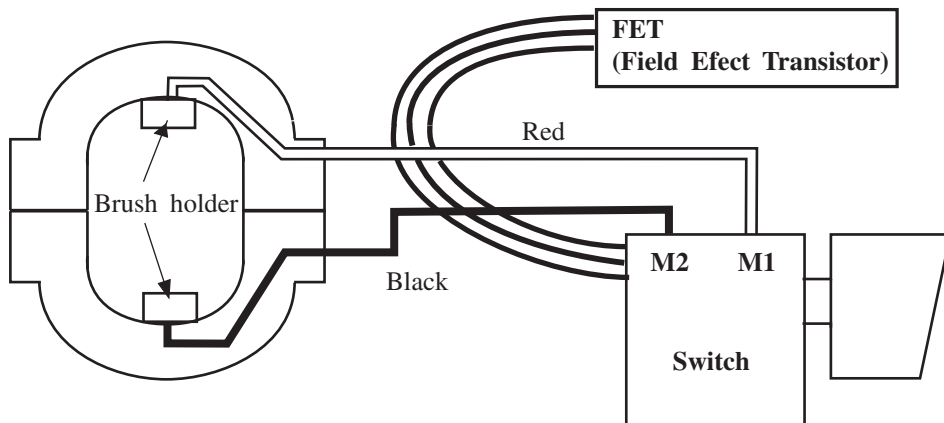


Fig. 3

► **Circuit diagram**



► Wiring diagram

Pass the lead wires as illustrated in Fig.4.

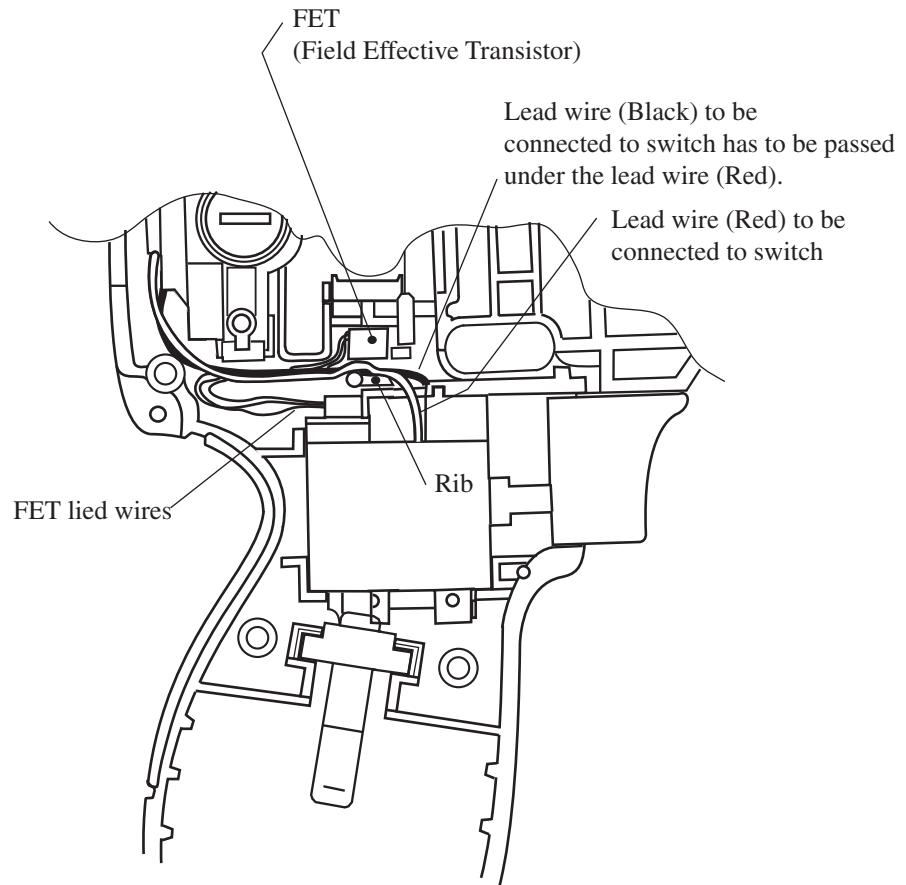


Fig.4