TECHNICAL INFORMATION

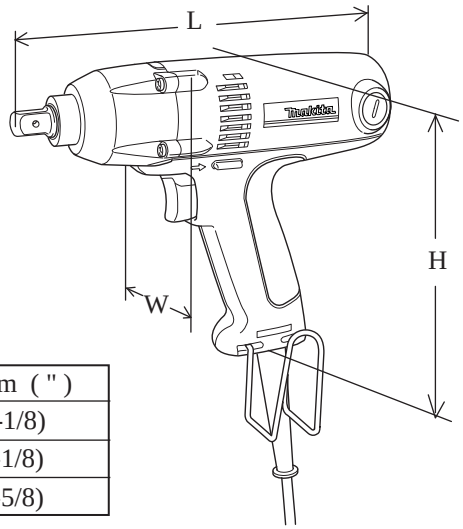
NEW TOOL

Models No. ► 6953

Description ► Impact Wrench

CONCEPT AND MAIN APPLICATIONS

The above model is the impact wrench with max. fastening torque, 150N.m.
This model's brief features and benefits are
* palm fitting soft grip
* Removable belt clip can be attached on both left and right side without any tool.



Dimensions : mm (")	
Length (L)	233 (9-1/8)
Height (H)	180 (7-1/8)
Width (W)	67 (2-5/8)

► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
110	2.7	50 / 60	280	120	240
120	2.5	50 / 60	280	120	240
220	1.3	50 / 60	280	120	240
230	1.3	50 /60	280	120	240
240	1.2	50 / 60	280	120	240

No load speed (min^{-1}=rpm)		0 - 3,000
Impact per minute (min^{-1}=bpm)		0 - 3,000
Driving shank : mm (")		12.7 (1/2)
Capacities	**Standard bolt**	M10 - M16
	High Tensile bolt	M8 - M12
Max. fastening torque		150 N.m (110 ft.lb)
Variable switch		Yes
Reverse switch		Yes
Protection from electric shock		by Double insulation
Cord length : m (ft)		2.5 (8.2)
Net weight: kg (lbs)		1.4 (3.1)

► Standard equipment

* Plastic carrying case ..... 1 pc.

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

► Optional accessories

* Socket 17-38
* Socket 17-52
* Socket 19-38
* Socket 19-52
* Socket 21-38
* Socket 21-52
* Socket 22-38
* Socket 22-52
* Socket 23-38
* Socket 23-52
* Socket 24-45
* Socket 24-52
* Socket 26-50
* Socket 26-78
* Socket 21-78
* Socket 19-78
* Universal joint
* Extension bar
* Bit adapter
* Oval socket assembly

< 1 > Disassembling housing set

1) Take off 4 pcs. of hex socket head bolts M4x30. And then, remove hammer case and internal gear case from housing. See Fig. 1.
2) Take off 7 pcs. of tapping screws 4 x 18. So. housing can be removed. See Fig. 1.

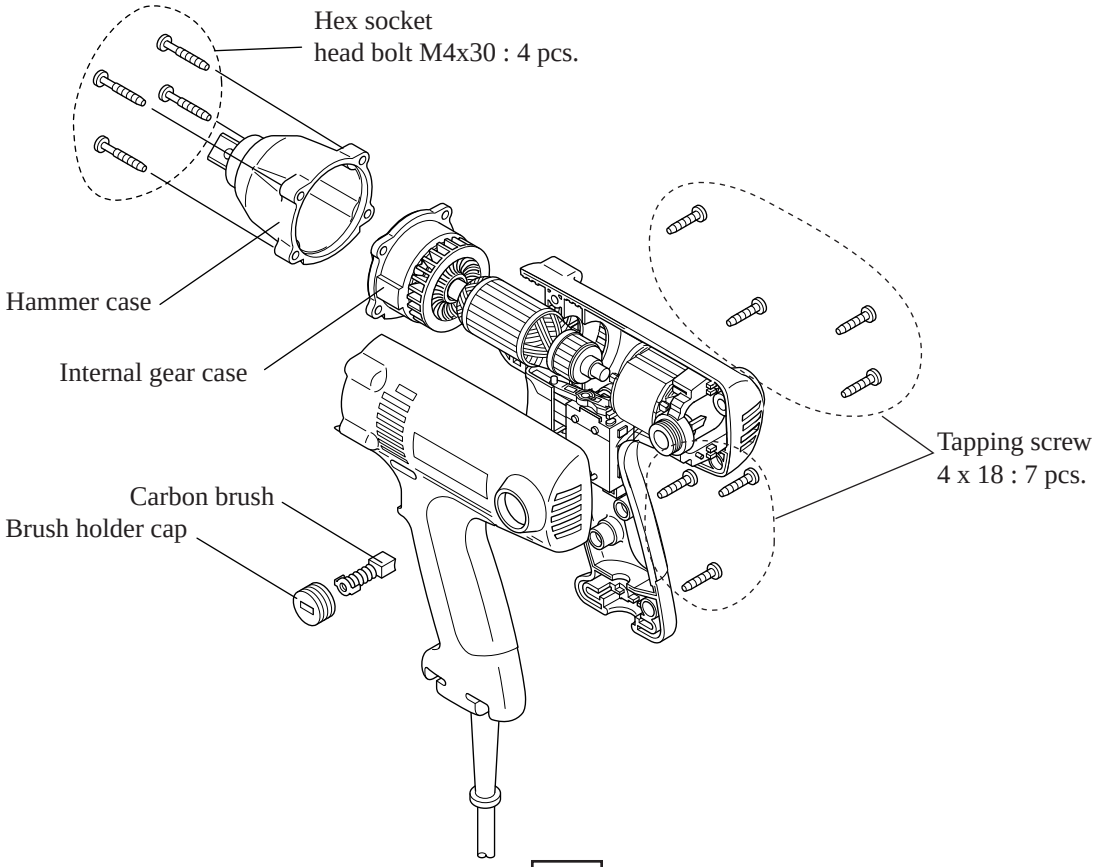


Fig. 1

< 2 > Assembling anvil

Assemble rubber ring 18 and flat washer 18 into hammer case. And then, assemble anvil on which grease has been applied in advance. See Fig. 2.

<Note> Make sure that bracket has been assembled between hammer case and internal gear case.

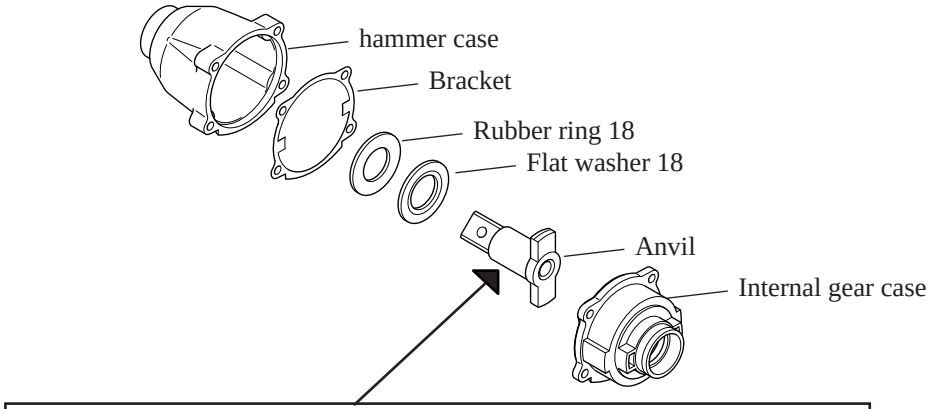


Fig. 2

< 3 > Disassembling hammer

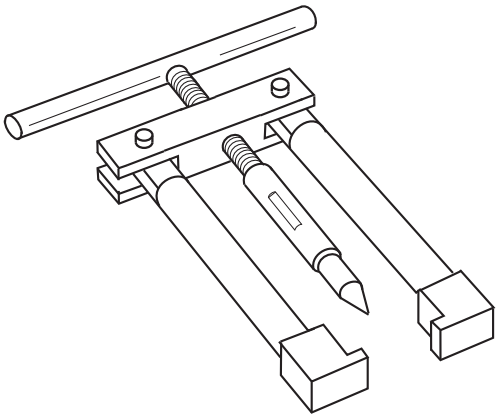
(1) Press down hammer with 1R045: Large gear extractor by turning the handle.

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

(3)Take off 2 pcs. of steel balls 5.6 from spindle.

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

1R045 Large gear extractor



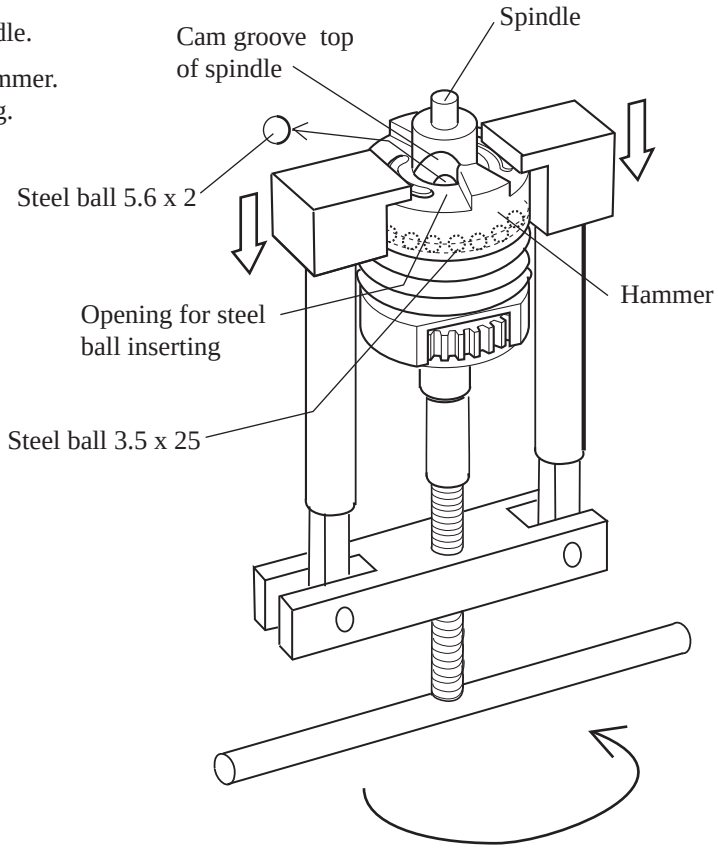


Fig. 3

(4) Apply grease to the position No. 1, 2, 3 and 4 as listed below, when assembling.

	MAKITA grease N No.1	Molybdenum di-sulphide lubricant
(1)	0.5g	0.2g
(2)	0.5g	———
(3)	———	0.6g
(4)	1.0g	0.2g

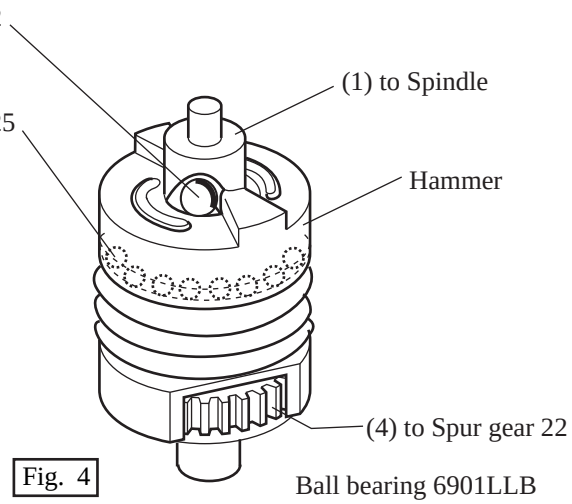
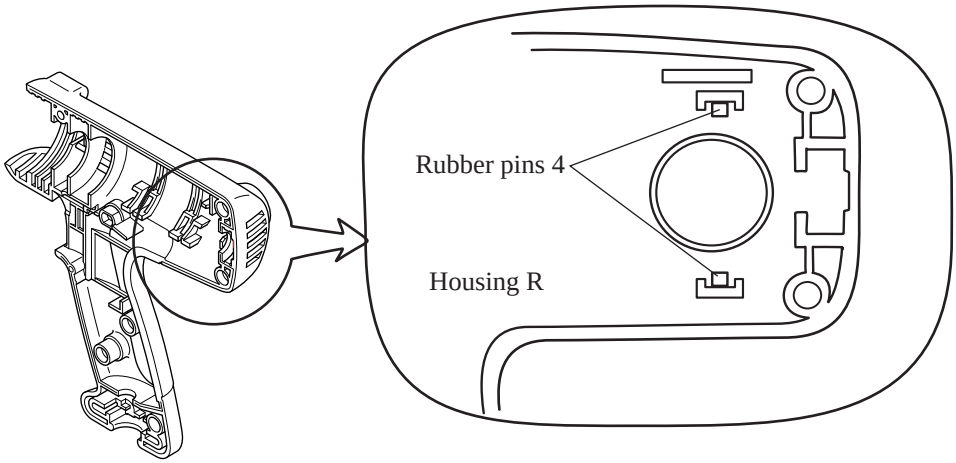


Fig. 4

Repair

< 4 > Assembling housing R and L

When assembling housing R to housing L, make sure that 2 pcs. of rubber pins 4 have been attached to the illustrated portion of housing R. See Fig. 5.



Housing R

Fig. 5

< 5 > Hammer case has to be fastened diagonally as illustrated in in Fig.6.

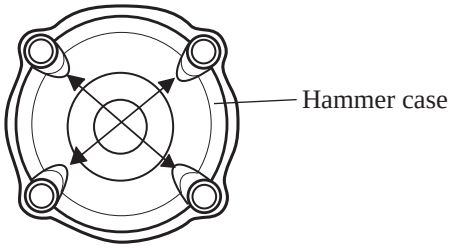
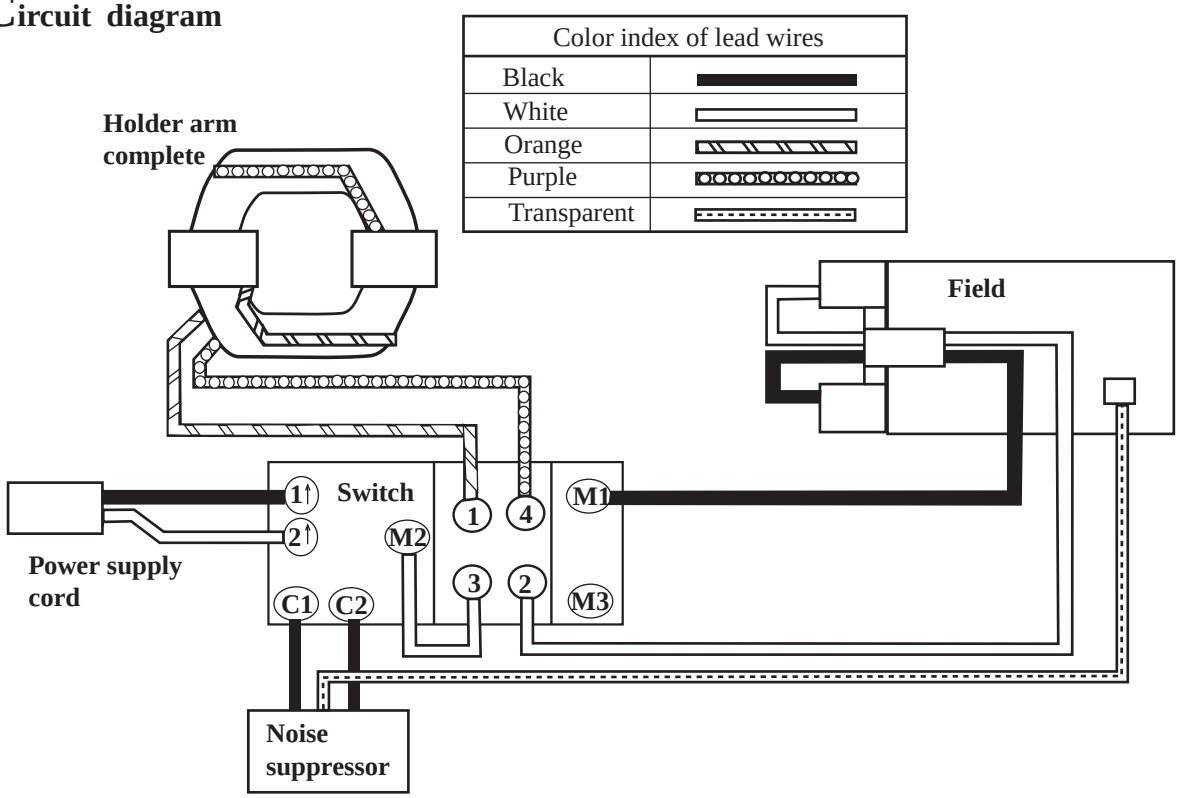


Fig.6

Circuit diagram



The products may come with noise suppressor of 2 lead wire type, or without noise suppressor for some countries.

Wiring diagram