

TECHNICAL INFORMATION



PRODUCT

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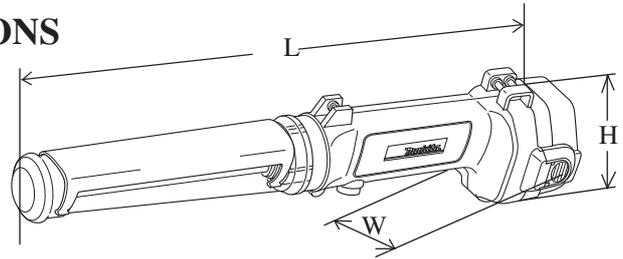
Models No. ▶ ML122

Description ▶ Rechargeable Job Site Light

CONCEPTION AND MAIN APPLICATIONS

This product has been developed for workshop, automotive service center where the pinpoint irradiation is often required, when repairing of narrow and complex section, for example, engine room of automobile, etc. Its brief benefits and features are,

- * Both 9.6V and 12V batteries can be attached to this product.
- * The continuous illumination time is 230 minutes (almost 4 hours), if the full charged Ni-MH battery 1235, 12V / 3.0Ah is attached to this product.



Dimensions : mm (")	
Length (L) w/o battery	347 (13-5/8)
Height (H)	94 (3-11/16)
Width (W)	97 (3-13/16)

► Specification

Battery voltage (V)	12			9.6		
	Battery capacity (Ah)					
	3.0	2.0	1.3	3.0	2.0	1.3
*Continuous illumination time: approx.min.	230	150	90	230	150	80
**Illumination (lx)	380			330		
Net weight w/o battery :Kg (lbs)	0.35 (0.77)					

< Note > * Continuous illumination time: The figures shown in the above list can differ from condition to condition of batteries or room temperature.

**Illumination (lx) : The figures shown in the above list were measured on the following conditions.

- * With attaching reflector to the product
- * Measured at the point of 50 cm distant from light source

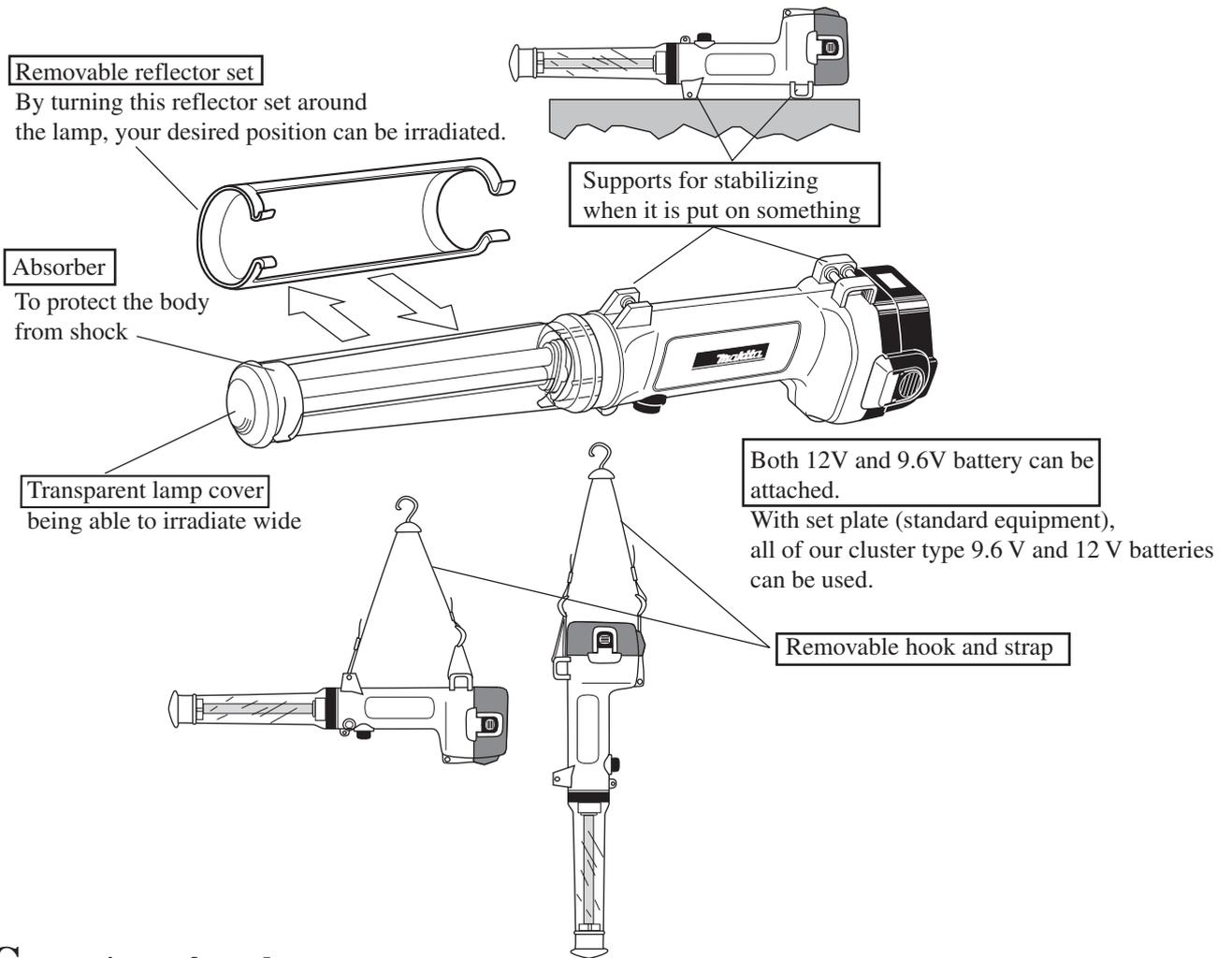
► Standard equipment

- * Set plate for the batteries without push button 1 pc.
- * Strap 1 pc.
- * Hook 1 pc.
- * Reflector set..... 1 pc.

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

► Optional accessories

	<u>12 V batteries</u>	<u>9.6 V batteries</u>
* Fluorescent tube		
* Charger DC1411	* Ni-Cd battery 1222	* Ni-Cd battery 9122
* Charger DC1801	* Ni-Cd battery 1202	* Ni-Cd battery 9102
* Charger DC9700	* Ni-Cd battery 1202A	* Ni-Cd battery 9102A
* Charger DC9710	* Ni-Cd battery 1200	* Ni-Cd battery 9100
* Charger DC9711	* Ni-Cd battery 1200A	* Ni-Cd battery 9120
* Charger DC1290	* Ni-Cd battery 1220	* Ni-MH battery 9133
* Charger DC1470	* Ni-MH battery 1233	* Ni-MH battery 9134
* Charger DC1201	* Ni-MH battery 1234	* Ni-MH battery 9135
* Charger DC1422	* Ni-MH battery 1235	* Ni-MH battery 9135A
* Fast charger DC1439	* Ni-MH battery 1235A	
* Fast charger DC1809		



► Comparison of products

Specifications		Model No.	MAKITA	MAKITA
			ML122	ML701
Voltage (V)			9.6 / 12	7.2
*Continuous illumination time: approx.min.	12V/ 2.0Ah		150	120 with battery 7.2V 1.3Ah
	9.6V/ 2.0Ah		150	
**Illumination (lx)	12V		380	
	9.6V		330	
Fluorescent tube	Type of tube		Compact fluorescent tube 13W x 2	Fluorescent tube 4W x 1
	Service life : h		2,600	1,000
	Starter		No	No
Removable strap			Yes	Yes
Dimensions : mm (") w/o battery	Length		347 (13-5/8)	210 (8-1/4)
	Width		97 (3-13/16)	44 (1-3/4)
	Height		94 (3-11/16)	91 (3-5/8)
Net weight w/o battery :Kg (lbs)			0.35 (0.77)	0.23 (0.51)
Weight w/ battery 1222 :Kg (lbs)			1.0 (2.2)	
Weight w/ battery 9122 :Kg (lbs)			0.9 (1.98)	0.57 (1.26) w/ battery 7000

< Note > * Continuous illumination time: The figures shown in the above list can differ from condition to condition of batteries or room temperature.

**Illumination (lx) : The figures shown in the above list were measured on the following conditions.

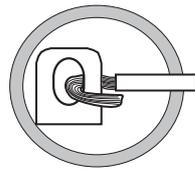
* With attaching reflector to the product

* Measured at the point of 50 cm distant from light source

< 1 > Replacing battery holder, switch and circuit complete

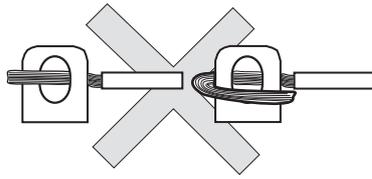
(1) Connecting lead wires

The lead wires have to be connected as illustrated in Fig. 1. And then, solder them.



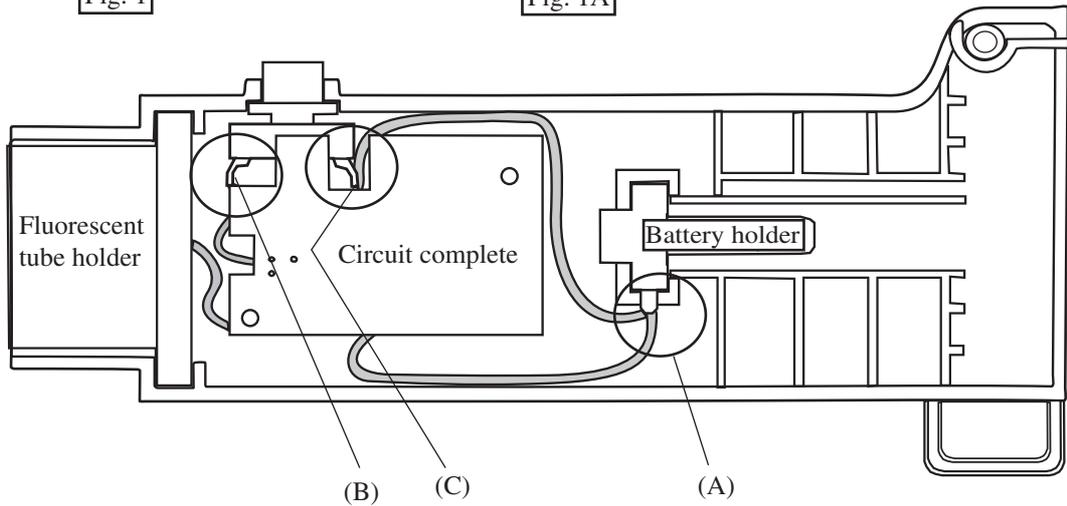
Correct connection

Fig. 1



Wrong connection

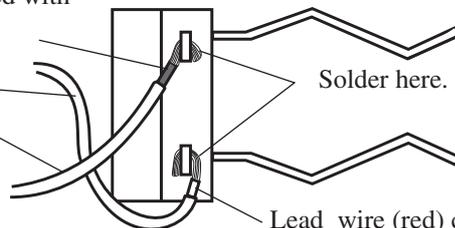
Fig. 1A



(A) Connecting circuit complete's lead wire with battery holder

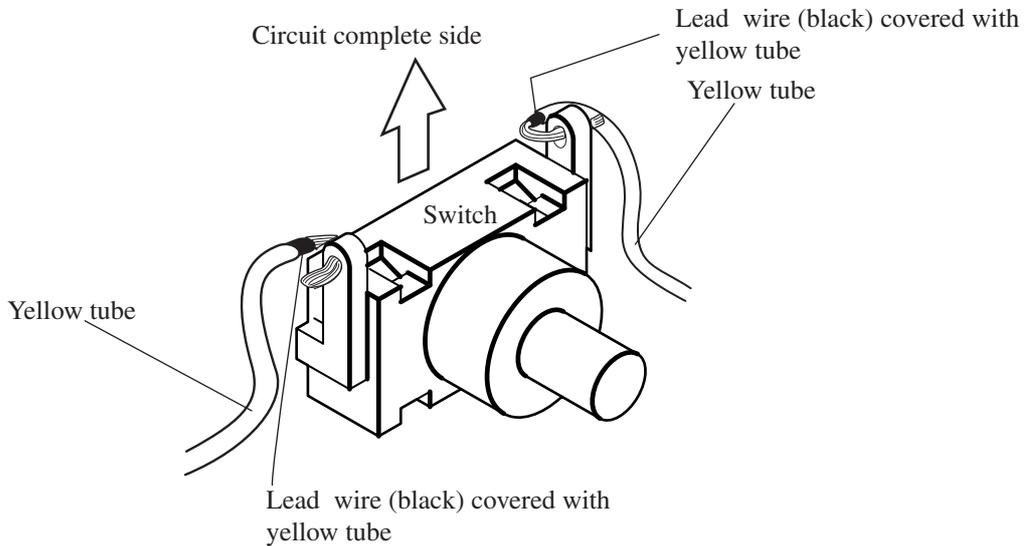
Lead wire (black) covered with yellow tube

Yellow tube

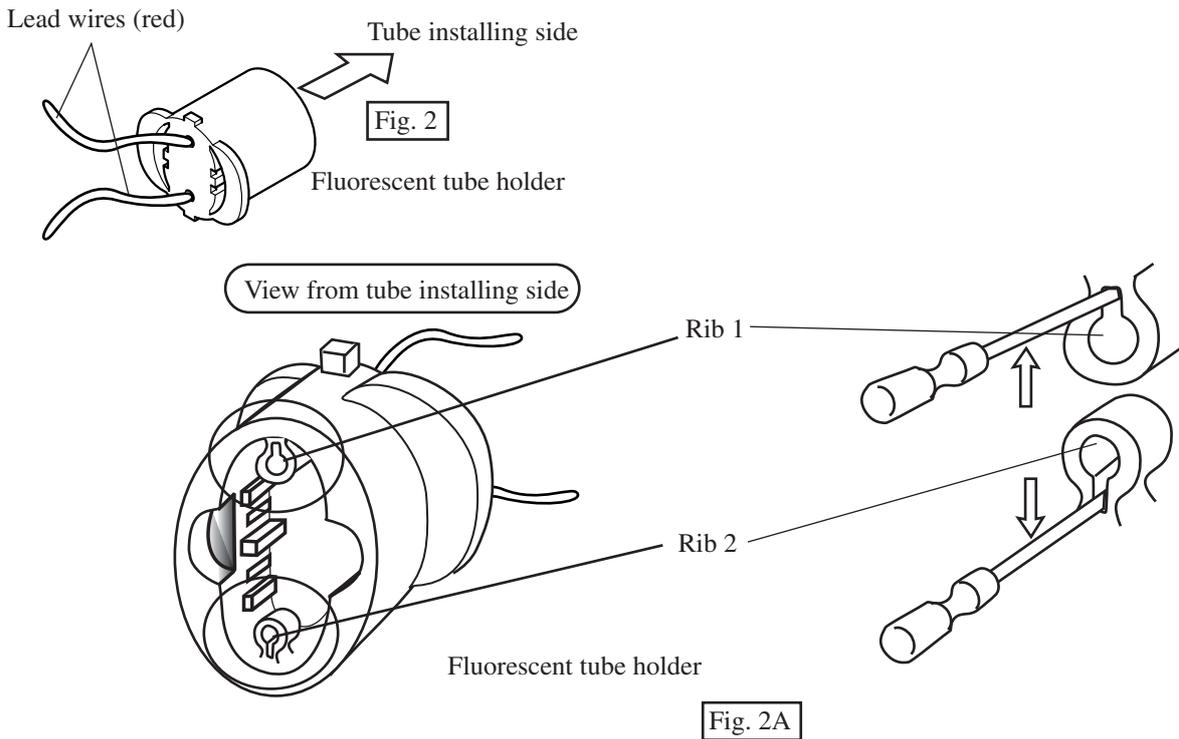


Lead wire (red) covered with yellow tube

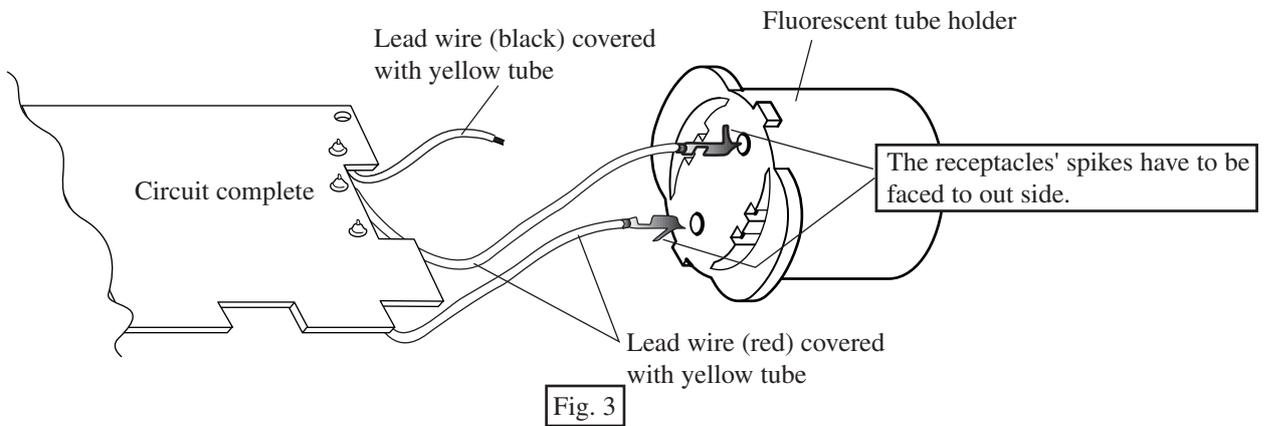
(B) (C) Connecting circuit complete's lead wire with switch



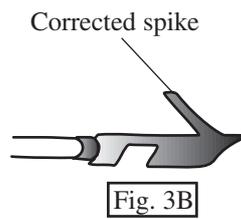
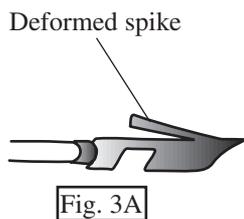
(D-1) Removing circuit complete's lead wire from fluorescent tube holder
Insert small screwdriver deep into rib 1 and 2 and pull out the lead wires pressing with the screwdriver in the direction of the arrow as illustrated in Fig. 2A.



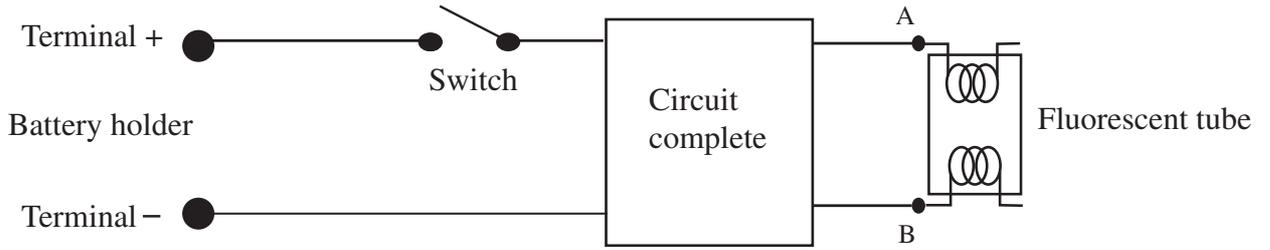
(D-2) Connecting circuit complete's lead wire with fluorescent tube holder
Insert receptacles into the holes of fluorescent tube holder with facing the receptacles' spikes to the outside as illustrated in Fig. 3.



< Note > The spikes of pulled (used) receptacles are deformed as illustrated in Fig. 3A.
The used ones have to be corrected as illustrated in Fig. 3B.



► **Circuit diagram**



► **Wiring diagram**

