

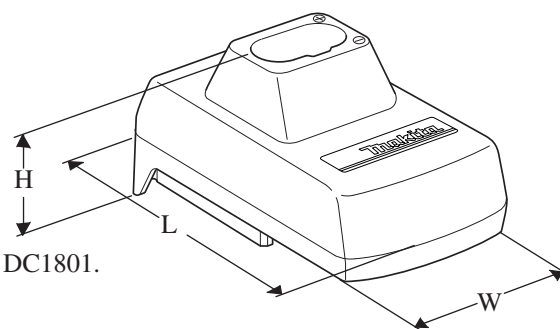
**Models No.** ▶ ADP01

**Description** ▶ Interchangeable adapter

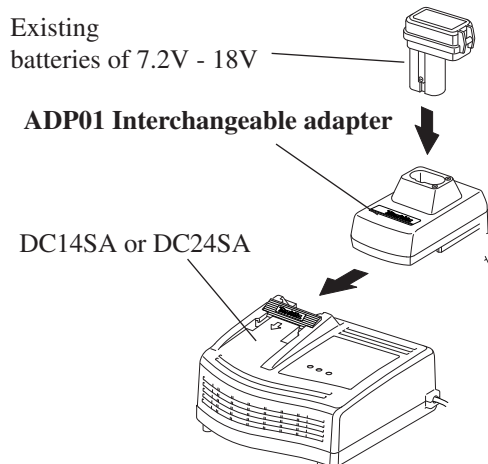
## CONCEPTION AND MAIN APPLICATIONS

Now the operation area of new charger DC14SA and DC24SA has got more wide.

In combination with this adapter, not only our new 24V batteries but also the existing Ni-Cd and Ni-MH of 7.2V - 18V can be charged with the new charger, of course, faster than DC1411 and DC1801.



Dimensions : mm ( " )	
Width ( W )	82 (3-7/32)
Height ( H )	87 (3-7/16)
Length ( L )	146 (5-3/4)



### ▶ Charging time

The below listed charging times are approximate figures, and they can change depending on the conditions of battery, charger, room temperature, etc.

The existing batteries of 7.2V - 14.4V

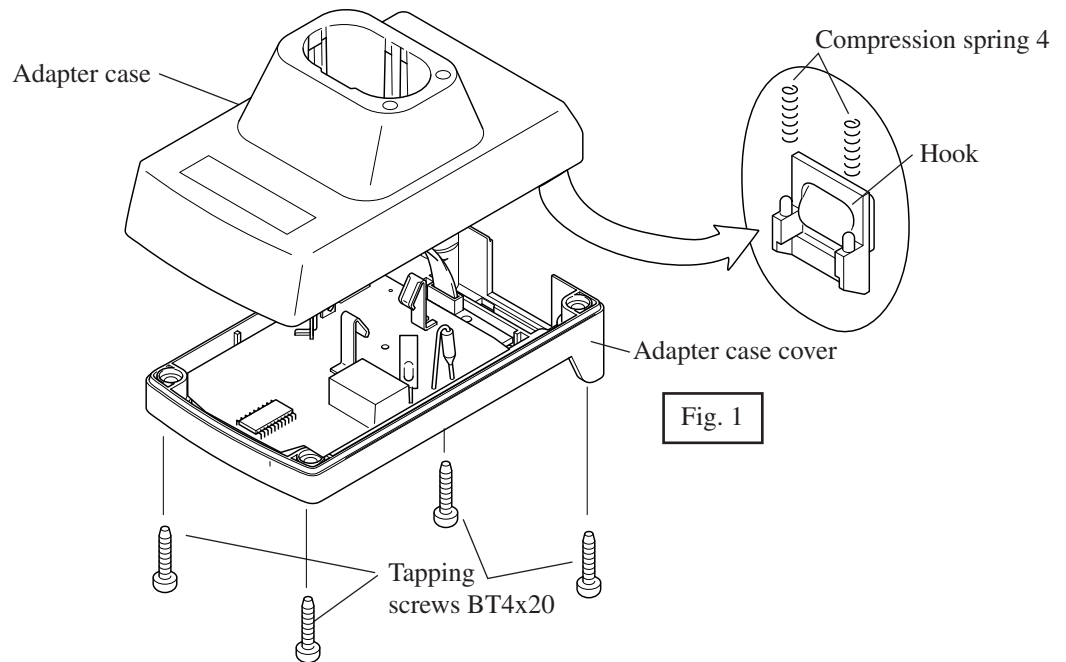
Battery	DC1439				ADP01 + DC14SA	DC1411
	North America	Europe		Other than Europe and North America		
		7.2V - 12V	14.4V			
Ni-MH 3.0Ah	30 min.	27 min.		27 min.	55 min.	90 min.
Ni-MH 2.6Ah	25 min.	23 min.		23 min.	45 min.	75 min.
Ni-MH 2.2Ah	20 min.	20 min.		20 min.	40 min.	65 min.
Ni-Cd 2.0Ah	16 min.	14 min.	16 min.	14 min.	35 min.	60 min.
Ni-Cd 1.7Ah	14 min.	12 min.		12 min.	30 min.	50 min.
Ni-Cd 1.3 Ah	10 min.	9 min.		9 min.	23 min.	40 min.

The existing batteries of 7.2V - 18V

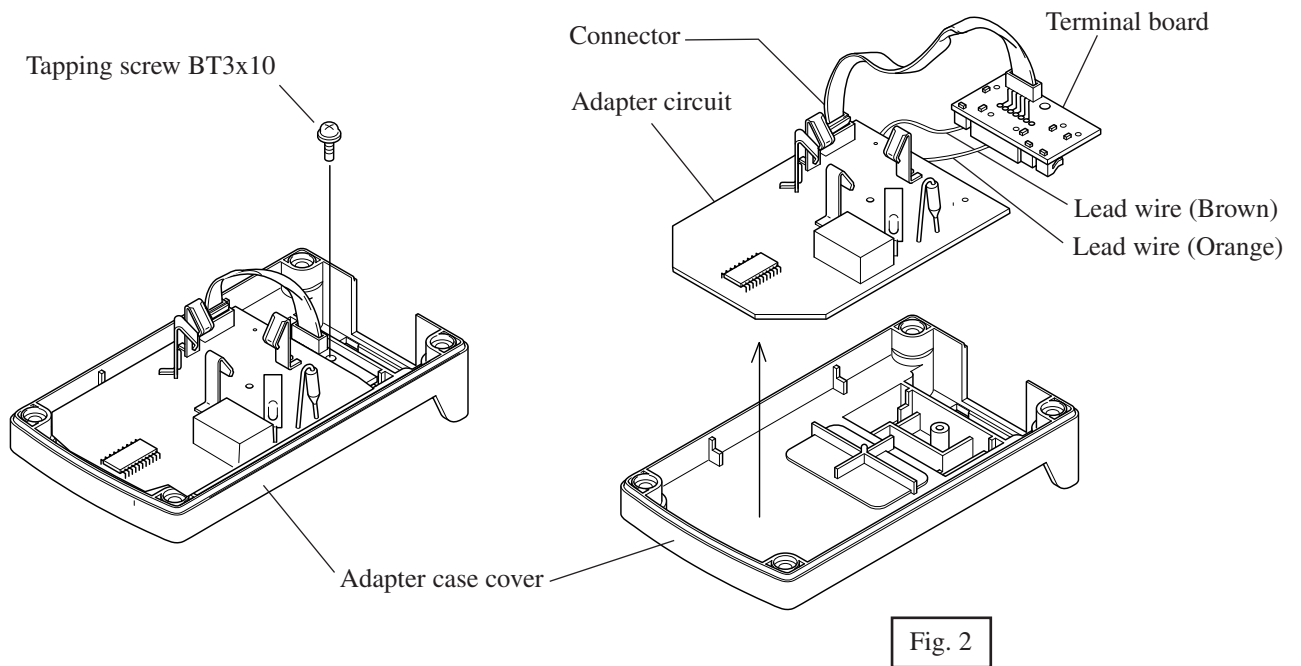
Battery	DC1809	ADP01 + DC24SA	DC1801
Ni-MH 3.0Ah	————	40 min.	90 min.
Ni-MH 2.6Ah	————	35 min.	75 min.
Ni-MH 2.2Ah	————	30 min.	65 min.
Ni-Cd 2.0Ah	14 min.	20 min.	60 min.
Ni-Cd 1.7Ah	12 min.	17 min.	50 min.
Ni-Cd 1.3 Ah	9 min.	13 min.	40 min.

< 1 > Removing adapter circuit and terminal board

(1) Take off 4 tapping screws BT4x20 from adapter case cover, and remove adapter case. See Fig. 1.



(2) Take off tapping screw BT3x10 holding terminal board and remove terminal board together with adapter circuit from adapter case cover. And then, detach the connector from adapter circuit..



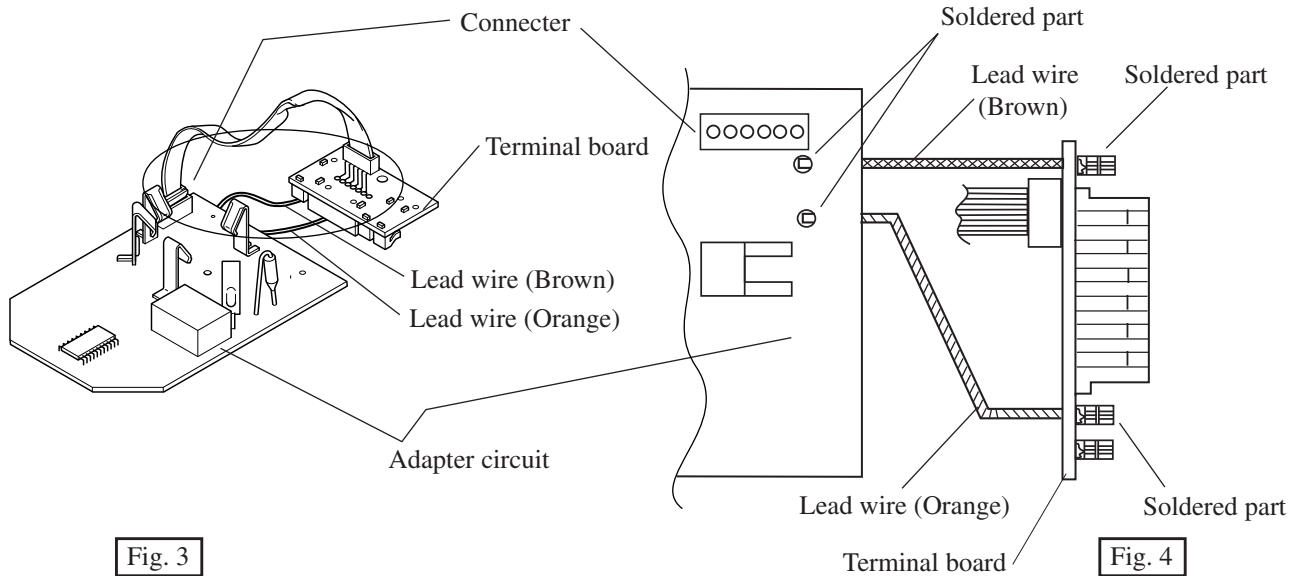
(3) Detach the soldered 2 lead wires connecting terminal board and adapter circuit. See Fig. 3.

A: Replacing adapter circuit

Detach the lead wires soldered on adapter circuit, and replace adapter circuit.

B: Replacing terminal board

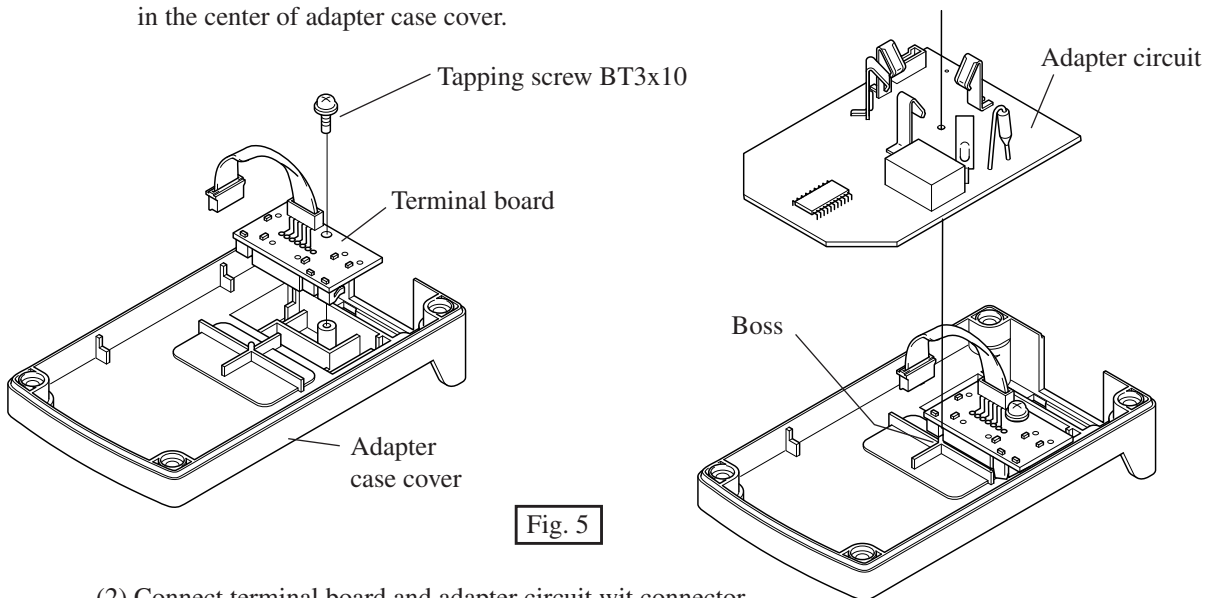
Detach the lead wires soldered on terminal board, and replace terminal board.



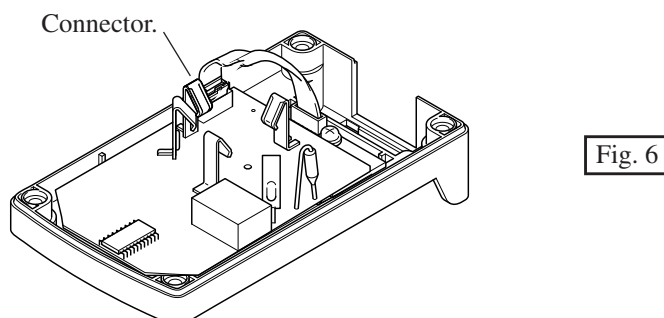
Solder the lead wires as illustrated in above Fig. 4, paying attention to their colors.

## < 2 > Assembling adapter circuit and terminal board

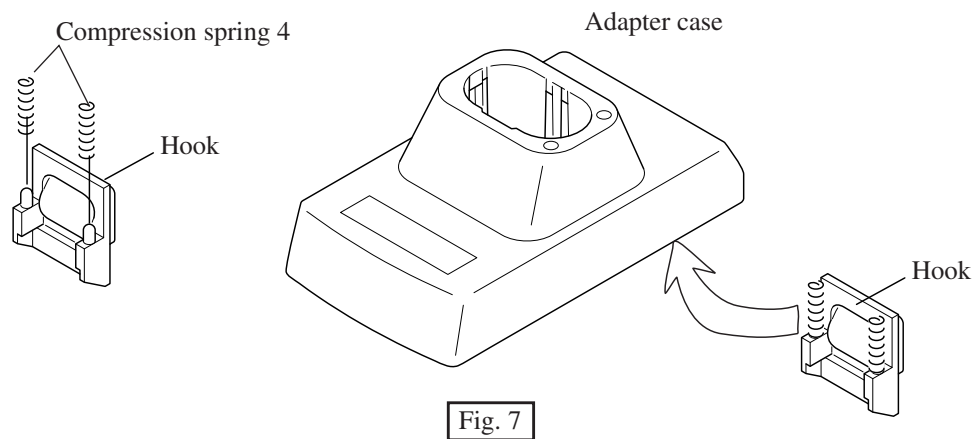
(1) Fix terminal board with tapping screw BT3x10 and assemble adapter circuit by aligning its hole with the boss in the center of adapter case cover.



(2) Connect terminal board and adapter circuit with connector.



- (3) After assembling 2 compression springs 4 to hook, install them into adapter case with aligning the 2 compression springs to the 2 bosses in the adapter case.



- (4) With holding hook with your finger, put adapter case on adapter case cover. And fasten it on adapter case cover with 4 tapping screws BT4x20. Be careful, not to pinch lead wires, or not to deform spring terminals, in this process.

