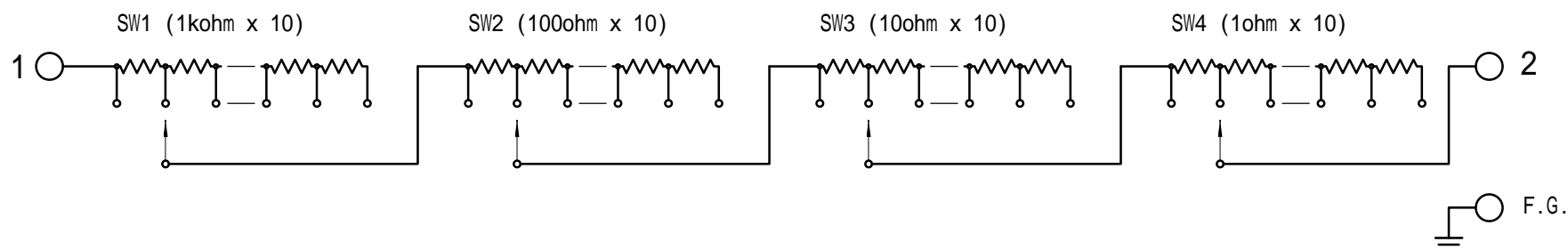


DRB-KIT 11.11k

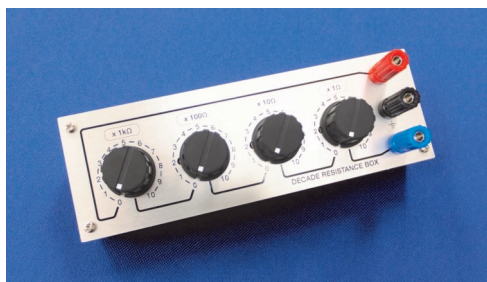
TOKYO KO-ON DENPA CO., LTD.
April.2014

Circuit



DECADE RESISTANCE BOX KIT

DRB-KIT



- Assembling Manual -

DRB-KIT is an assembly kit for a variable resistance box that is available for practical use.

Assembling time: Approximately two hours

* Tool list

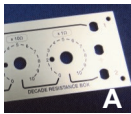
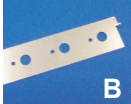
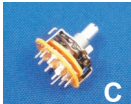


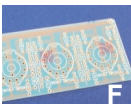
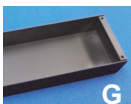

Tool name	Manual
Soldering iron (Around 30W)	[1] [2] [3] [4]
Resin flux cored solder	[1] [2] [3] [4]
Cutting nipper	[4]
Needle-nose pliers	[3] [4]
Wire stripper	[2] [4]
Phillips head screwdriver	[5]
Multi meter	[6]

**

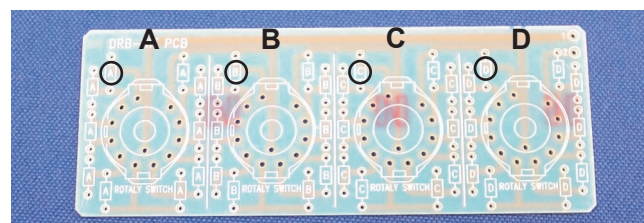
Please check to see if the package has all the necessary parts.
Please also prepare the necessary tools yourself before assembling.

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MADE IN JAPAN

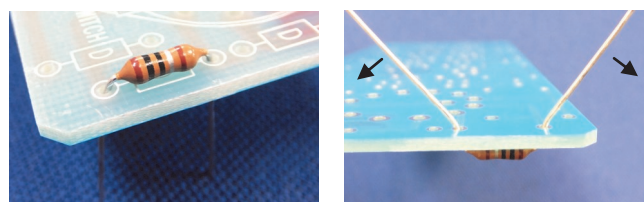
* Parts list

	Part name	Qty
	A Front panel	1
	B Shield board	1
	C Rotary switch	4
	D Terminal (Red, Blue, Black)	1
	E Knob	4
	F PCB	1
	G Case	1
	H Resistor A (1k ohm)	10
	H Resistor B (100 ohm)	10
	H Resistor C (10 ohm)	10
	H Resistor D (1 ohm)	10
	- Wire (Red, Blue, Black)	1
	- Washer and hexagon nut	4
	- Screw	4
	- Rubber foot	4

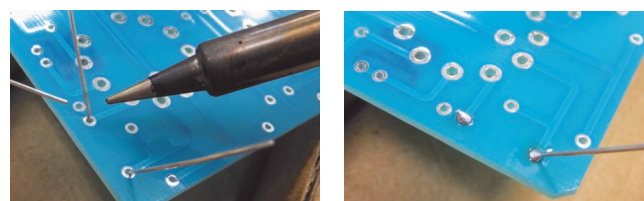
[1] Soldering the resistors



Solder the 40pcs resistors by following the English alphabet written on the printed circuit board.

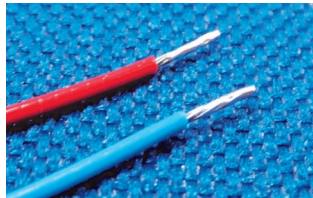
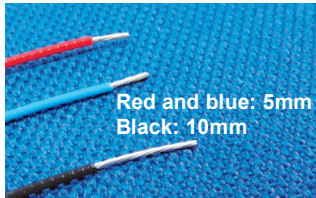


- 1: Bend the lead wire of the resistor and thread PCB with it.
- 2: Widen the lead wire not to come off from the PCB.

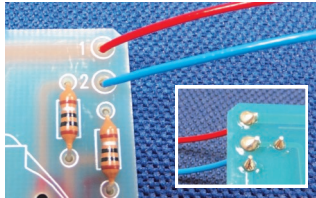


- 3: Reverse the printed circuit board and do soldering.
- 4: Cut the extra wire with a nipper.

[2] Soldering the lead wires

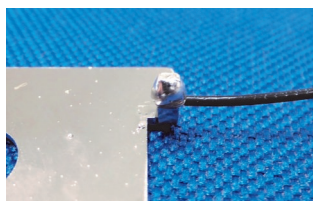
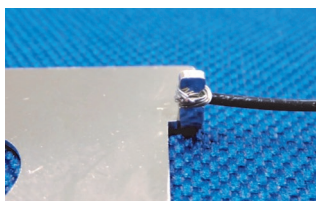


- 1: Peel the tip of the lead wire off with a wire stripper.
- 2: Do preliminary soldering. (only for Red and blue one)



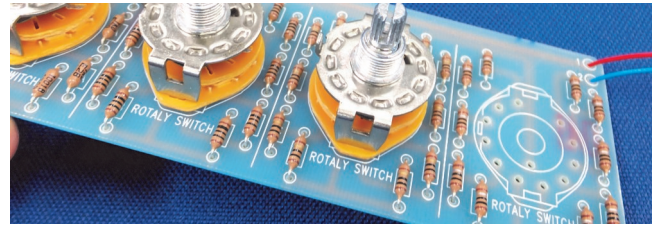
Solder Red one to "1"
Blue one to "2"

- 3: Solder the lead wire to the printed circuit board.

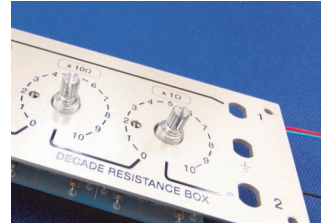
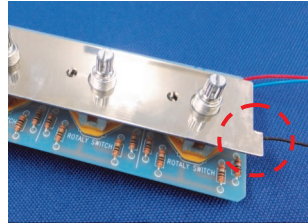


4. Wind the black lead wire around the part of the shield board that is bended.
5. Do soldering. (Warm the part to solder beforehand.)

[3] Soldering the rotary switches



1. Mount a rotary switches on the printed circuit board.



2. Put a shield board and a front panel.



3. Put a washer in the shaft and tighten with a hexagon nut. (Fix the nut by hand temporarily.)

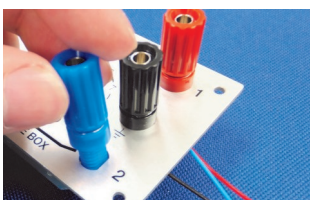
[3]



4. Reverse the body component while maintaining the position of printed board and solder the terminal of the rotary switch.
5. Fix a hexagon nut with needle-nose pliers.



[4] Soldering the terminals



1. Attach a terminal to a front panel.
2. Peel the lead wire, and wind it around the tip of the terminal and solder it. (Warm the part to solder beforehand.)



[5] Assembly



1. Put a rubber foot on the case.
2. Fit the panel into a case and fix with a pan screw.



3. Attach a knob.

[6] Confirmation



1. Connect the tester to terminal 1 and 2 and confirm the resistance value.

- * Turn each knob to fully CCW and check if the value is less than 1 ohm.
- * Confirm the value at all graduation position. If it is within tolerance, your resistance box is now complete. (Please take the clearance of the resistor into account.)