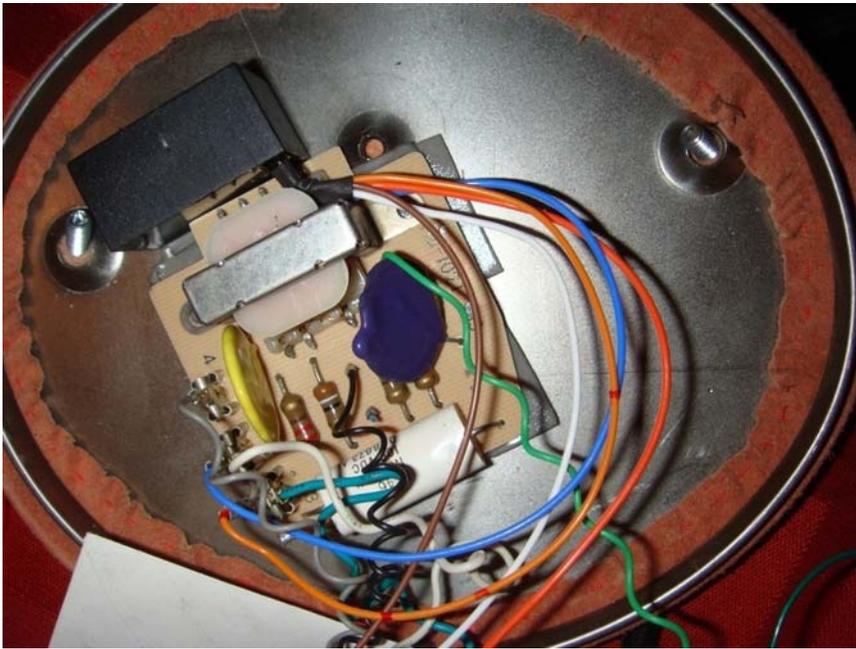


Western Electric D1/B1 Rotatone® Installation with an AE Mini-network

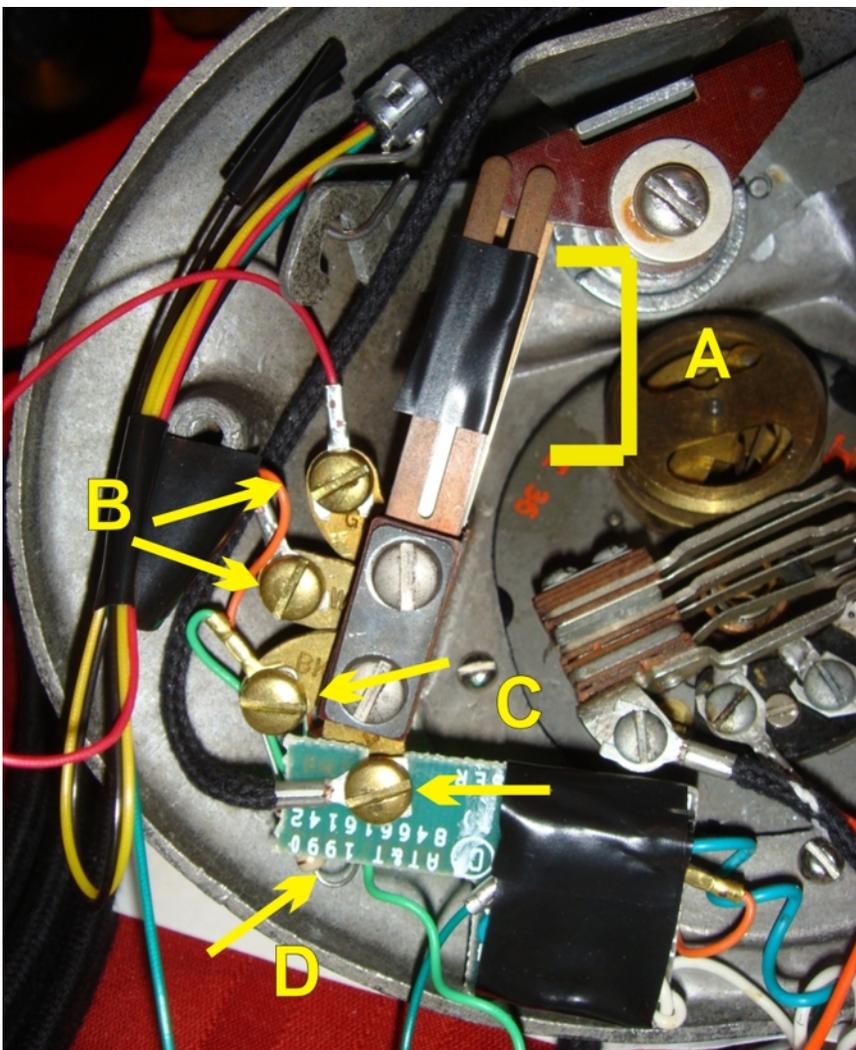


First, secure the AE mini-network and Rotatone module to the base plate as shown. This will allow the cradle plunger to clear and avoid entanglements with the dial switches.

It may help to first place the units in the phone before the dial is installed, then reach through the dial opening to mark the area. Place the dial in to make sure it clears.

Secure the mini-network and Rotatone unit with 3M Outdoor (double side) Mounting Tape. Double thickness is recommended so that solder points don't short against the base plate.

Check again to make sure the plunger clears, then install the dial.



Note placement of the plunger leaves. You got to do what you got to do to use the tight space inside a D1.

At "A", use electrical tape to insulate the contact leaves between the "BK" and "Y" terminals ONLY.

At "B" the "G" and "W" contacts will be used for the switch hook.

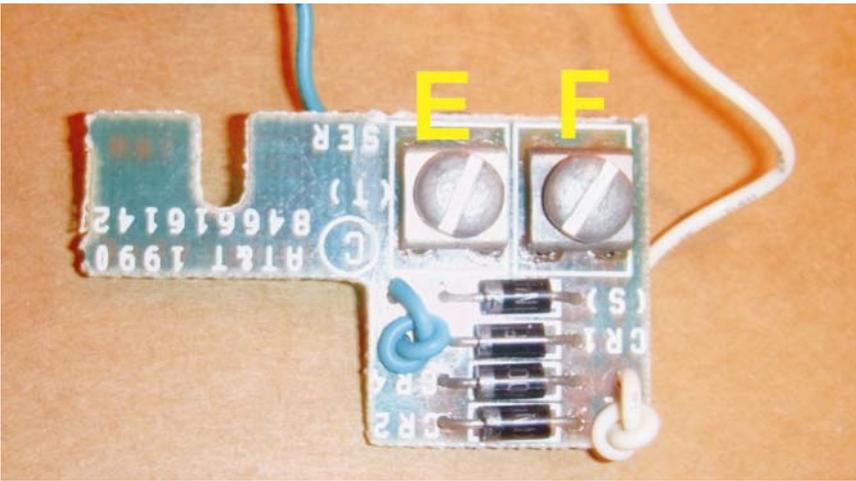
At "C" the "BK" and "Y" contacts will be used for the transmitter. These will need to be electrically isolated because the 5.1v Zener must be placed in series for the transmitter. The Y terminal screw will also be used to mount the polarity guard.

At terminal "G" attach Red line cord (L2).

At terminal "W" attach switch hook jumper.

At terminal "BK" attach AE network Green wire AND one end of the Zener.

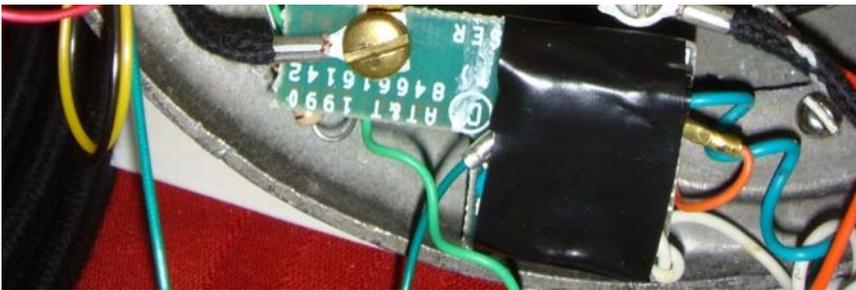
At terminal "Y" attach the other end of the Zener, mount the polarity guard, and the BLACK handset wire. Note placement of Zener under the polarity guard at "D".



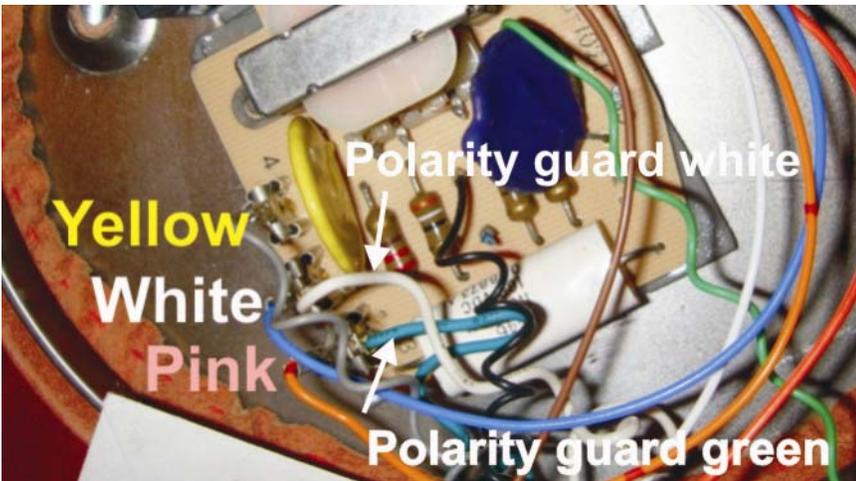
Wiring the Polarity Guard:

At screwpoint "E" attached Green Line Cord (L1).

At screwpoint "F" attach switchhook jumper from terminal "W".



Wrap the polarity guard with electrical tape so the screwpoints don't short against the baseplate. One secure layer will do it. .



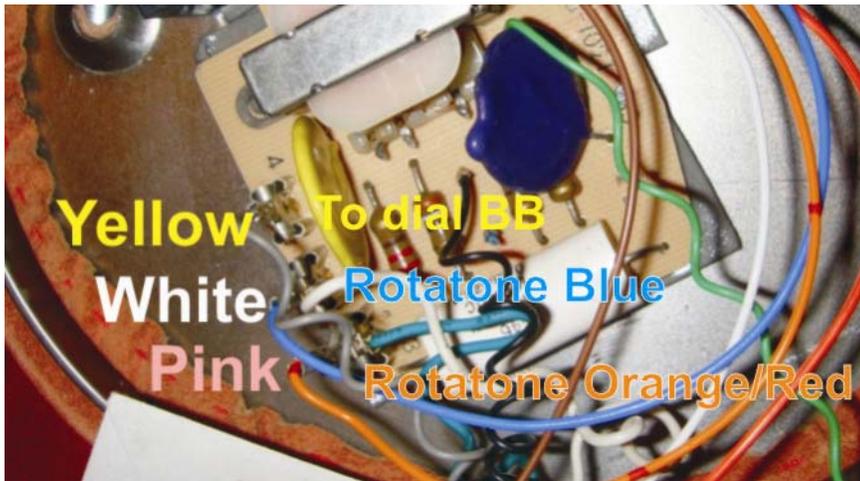
White polarity guard wire connects to network White wire or terminal.

Green polarity guard wire connects to network Pink wire or terminal.



At terminal "B" attach both handset RED and network Black.

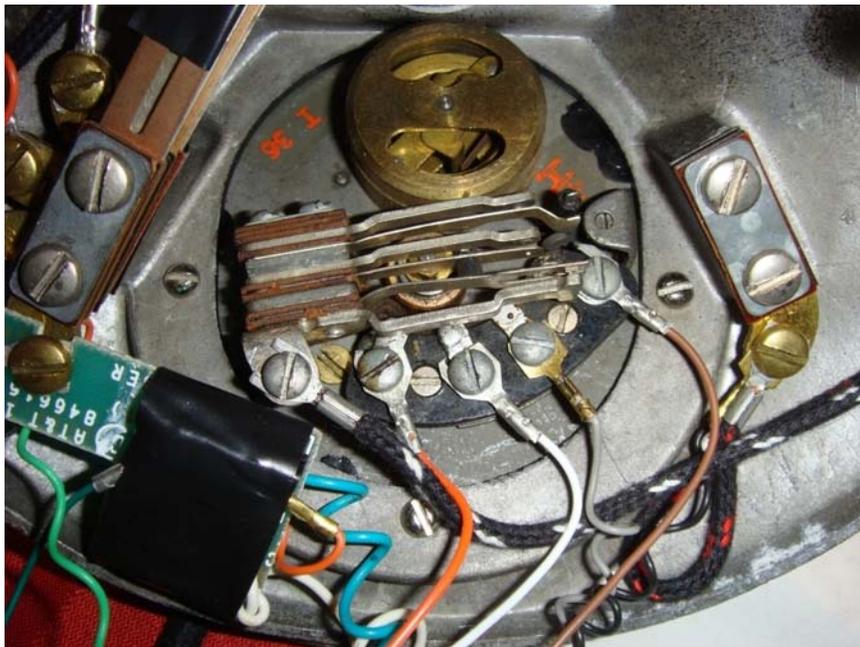
At dial "BB" attach network Yellow (In this diagram I've used a gray jumper from the network terminal.)



Now it's time to finally attach the Rotatone unit!

Rotatone Blue attaches at Network white. (Along with the polarity guard white).

Rotatone Orange/Red attaches to Network Pink. (Along with the polarity guard green).



Connect the dial:

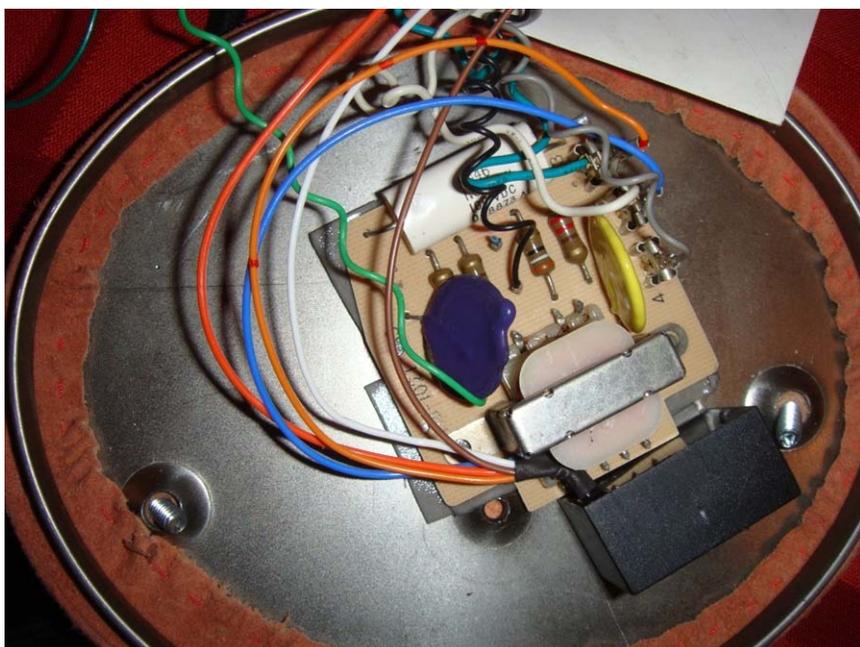
Handset WHITE to dial "W"

Rotatone Orange to dial "Y".

Rotatone White to dial "B".

Network Yellow (or jumper) to dial "BB"

Rotatone Brown to Dial "R".



Note that the stiff wires of the Rotatone unit go on top so that they "hold down" the other wires and avoid entanglement with the dial contacts.

Finally, check that the Yellow/White/Pink terminal connections don't short against the Terminal B when the phone is closed. Bend them 90° and/or insulate with electrical tape if needed.

Close up the phone and you're done! Enjoy your DTMF D1 or B1!

Compiled by Marie Prewett
New York, NY, USA
31 March 2008.