

# IBM TransNote Backup Battery Replacement

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This document has been formatted for on-screen reading. Please consider the environment by not printing this document. Please also dispose of your old batteries through the right channels.

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If you broke your TransNote, I don't want to know. :)

# Step 1

You need to remove the keyboard to expose the backup battery.

Use a small flat blade screwdriver to pop out the small rubber screw caps in two places as shown in the photos.

Loosen the two screws under the caps enough to remove the plastic panels. These screws don't come all the way out of their wells.

Be careful of the RAM chip on the right-hand side. This is now exposed and could be damaged by accidental knocking or static electricity.



## Step 2

Gently pry loose the keyboard connector from its socket.

Grab the plastic tab and pull up. This will release the keyboard from its cradle.

Lift the keyboard clear and set aside. (You will need this later!)

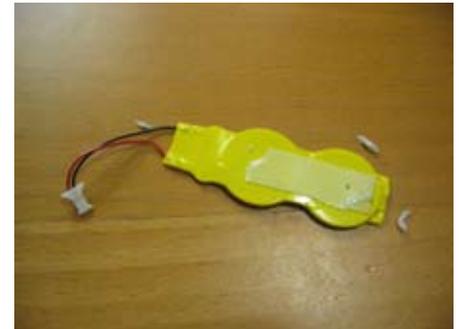


## Step 3

The backup battery is the long, flat and yellow thing towards the right of the keyboard cavity. (The green thing is the sub battery).

Carefully grasp the two sides of the socket with your fingernails and unplug the backup battery. Note this is the connector closest to the green sub battery. This can be fiddly if you have big hands! Be careful not to damage the ribbon cable underneath.

You will need to lever the yellow battery off the chassis. There is (strong) double-sided tape underneath holding it in place. The old double-sided tape can be peeled off once you have the battery out.



## Step 4

Cut open the plastic jacket to expose the two cells.

These are CR2012 3V cells.

My local electronics store only had CR2016 3V cells which also work.

CR2016H cells also work, according to <http://www.transnote.info/tt2.htm>



## Step 5

Separate the two metal strips from the old cells. This will take some effort so as they are welded on strong. Just be careful not to actually break the strips. Notice how mangled they can get after separation!

Now cut the yellow insulating sleeves off the old cells. Fit these around the new cells to insulate them from each other. These won't go around the new cells completely.

Line up the two new cells side by side, with the same poles facing the same way. Make sure the exposed edges not covered by the yellow insulating collars are not touching each other.

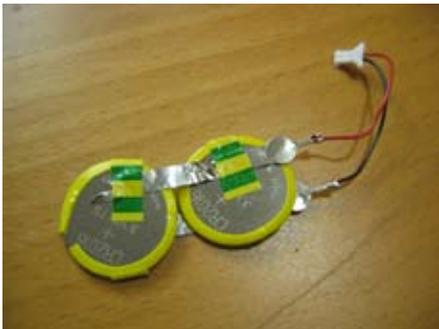


## Step 6

Attach the strips to the cells as shown. Red to the positive poles, and black to the negative poles. Offset the two strips as shown so they won't touch each other when you subsequently cover the whole lot with insulating tape. Also make sure the round end of the strips don't touch the exposed edge of the cells not covered by the insulating collars.

As you tape the first strip down, I found it useful to gently bend one of the wires away from the other to avoid an accidentally short-circuit.

Seal the whole lot in insulating tape. Put a new strip of double-sided tape on the "bottom".



## Step 7

Seat your new battery in place and plug it in.

Re-install the keyboard by first sliding it into and against the front edge of the cavity. Then drop it into place.

Press down on around the D and L keys. You will feel the keyboard lock into place.

Press the keyboard connector gently back into place.

Replace the two covers, screw them into place, and replace the rubber screw caps.

And you are done!

