

Zenith Z-1 Battery Instructions

Handling

Your battery label is printed on Epson Ultra Premium Presentation Matte paper, which is normally used for fine art prints displayed behind glass. The surface is easily scratched and moisture will damage the image. Handle it gently and avoid excessive handling and moisture. Normal handling will impart a patina of wear much as would occur on the original battery. It comes with a fresh C cell installed. This battery should connect easily to the **OEM** connector on all 600 series and 8G005 Trans-Oceanics. On the 600 series, the Z-1 powers the dial light circuit. On 8G005 series, the Z-1 connects in series with the A+ battery lead to provide sufficient power to run the additional tube filaments found in the 8G005 series.

Installation

1. Inspect your radio's connector and make sure the pins are straight and free of burrs or pits. You may have to dress the pins with a small hobby file to remove burrs or pits that have accumulated over the years. Clean the pins with tuner cleaner and/or fine sandpaper if they are corroded.
2. Insert the connector into the battery, observing proper orientation of the pins. Note that one pin is larger than the other. Make sure that you have the pins lined up with the proper holes. While it won't hurt anything if the pins are reversed, the connector may not fit in the battery. **DO NOT FORCE THE CONNECTOR INTO THE BATTERY. DAMAGE TO THE INTERNAL BATTERY CONNECTIONS MAY OCCUR.**
3. If your radio has a holder for the Z-1 battery, ease the battery into the holder, being careful not to scratch or damage the label. On 600 series radios, test to see that the dial light works. On 8G005 radios, if it plays, the installation is successful. If the Z-1 is not providing power, see item 8 below.

Changing the C Cell

1. Release the battery from its holding clip if you have one, and remove the connector. The connector is sometimes a bit hard to remove, even from the original Z-1 battery. Grip the connector between your thumb and index finger and gently rock it while pulling.
2. Tap gently on the bottom or top of the battery to slide the battery body out of the label sleeve. You may find that the battery will slide better in one direction than another.
3. Remove the setscrews from the battery top cover and carefully remove the top. You may need to gently pry up with a small flat screwdriver. Carefully extend and straighten the red and black wires.
4. The two halves of the body are held together by friction. Gently pull the bottom away from the top half enough to remove the old battery. Avoid twisting as you pull the two sections apart. You may have to feed some black wire from the top into the battery compartment to provide enough slack in the wire to free the lower half. Remove the old C cell and plastic sleeve.
5. Insert a new alkaline C cell into the plastic sleeve, then insert the entire assembly into the bottom holder. The positive end of the battery goes into the top half, toward the connector end.
6. Make sure the black wire is in the groove running through the lower and upper halves. Line up the grooves and push the battery back together, pulling any slack in the black wire up through the top end.
7. Carefully tuck the wires back inside the top. Line up the setscrew holes, and slide the connector back into the top of the upper body half. Reinstall the setscrews, and slip the label back over the body.
8. Plug the radio's connector into the battery, re-install in the radio, and test. If the plastic sleeve around the battery does not provide enough friction to hold the two halves together tight enough for electrical contact, have someone hold the two halves tightly together, and run a strip of vinyl electrical tape around the joint. Do not overlap the tape, as the label will not slide back on.
9. The B600 dial lamp only works if a battery is installed, even when the radio is operated off 115 VAC. It is intended for use to dial in a station when it is too dark to see the dial markings. It is not advisable to attempt to rewire the circuit to have the lamp stay on as the heat could damage your dial cover.

Warranty

If your battery fails to work, return it for free repair or replacement. The C cell is not covered under this warranty. Before returning a battery, test it with a fresh battery and make sure the bulb in the dial light is not burned out. If you have a VOM or DVM, check the voltage at the terminals. There should be about 1.6v with a fresh battery, less with a used battery. If the dial light bulb is burned out, a replacement bulb can be obtained at Radio Shack #272-1124.