Troubleshooting Procedures

The troubleshooting process for a circuit often takes the form of a step-by-step procedure of specific instructions. For example, the following are the steps for troubleshooting a radio circuit:

1. Visually check all components, wiring, and printed-circuit boards for discoloring, burns, and breakage.
2. Check all batteries and replace any with low voltage.
3. Measure voltages at the leads of transistors for unusual voltage levels, high or low.
4. Test the voice coil of the loudspeaker with an ohmmeter.
5. Check potentiometers with an ohmmeter; clean or replace as necessary.
6. Clean contacts of headphone jack.