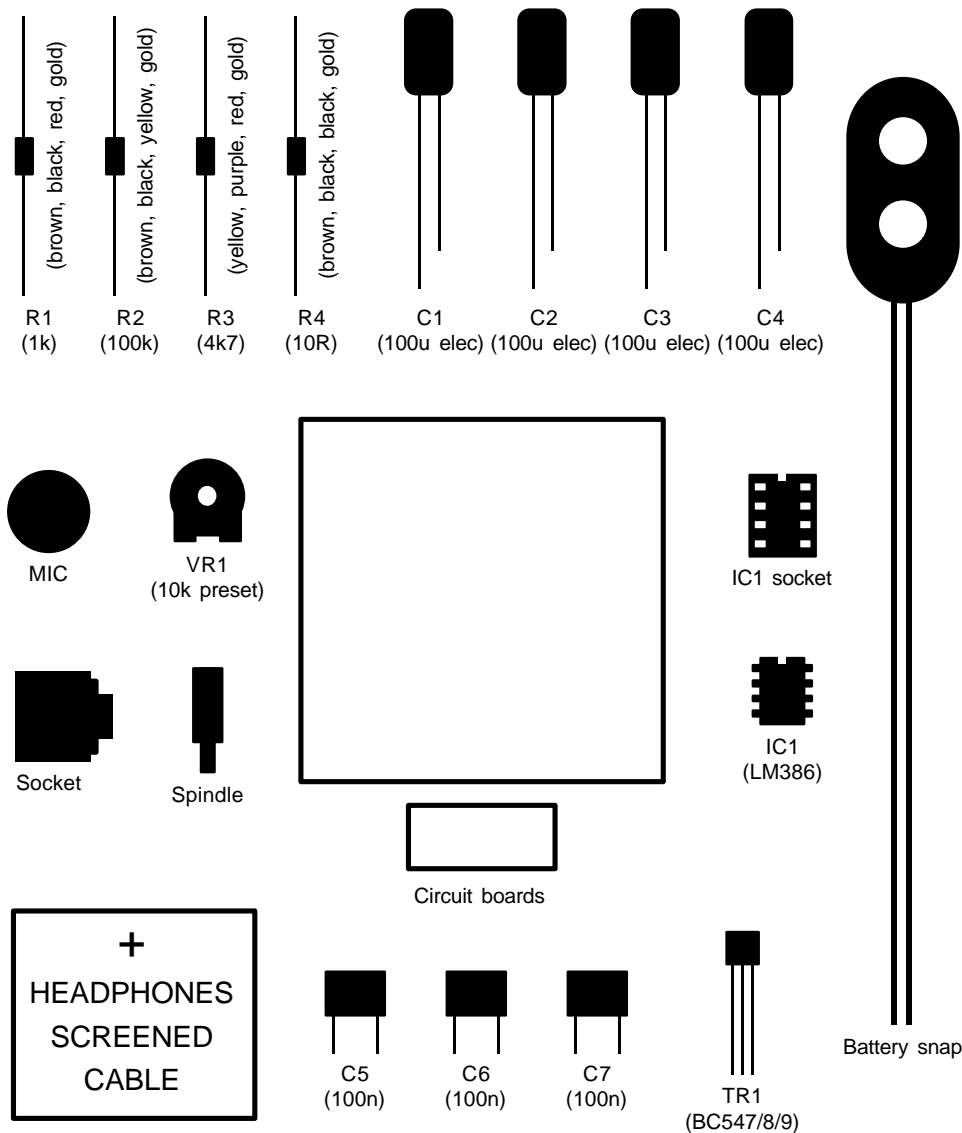


# SUPERSPY



## CONSTRUCTION

1. Identify the different components using the spotter chart.
2. Fit and solder all the resistors (R1 to R4) to the circuit board. Identify the resistors by the coloured stripes on the body.
3. Fit and solder the electrolytic capacitors (C1 to C4) to the board putting the shorter leg (the leg nearer the stripe on the body) into the hole with the – sign. Fit and solder the other capacitors (C5 to C7) either way around.
4. Solder the transistor (TR1) matching the half-circle shape of the transistor to the half-circle shape on the board (flat side against flat side).
5. Solder the variable resistor (VR1) to the board.
6. Solder the chip socket (IC1) matching the notch in the socket to the notch on the board. Do not solder the chip directly to the board.
7. Solder the headphones socket (SOCKET) to the board.
8. Push the battery snap leads up through the larger holes in the board from the metal side of the board. Fit the metal tip of the red lead into the BATTERY + hole, and the metal tip of the black lead into the BATTERY – hole. Solder the metal tips to the tracks on the board then pull the wire loops back.
9. Solder the microphone (MIC) to the small circuit board so that it fits within the circle. Connect one end of the screened cable to the small board by feeding it through one of the large holes then soldering the red inner core to the + hole and the outer braid to the – hole. (The metal strands may need twisting together to get the wires through the holes.) Solder the other end of the screened cable to the MIC holes on the main board. Feed the cable up through one of the large holes from the metal side of the board, and then down the solder holes. Solder the red inner core to the + hole, and the outer braid to the – hole.
10. Carefully bend the legs of the chip inwards a little with your fingers. Fit the chip into its socket matching the small notch in the chip to the notch in the socket.
11. Firmly push the spindle into the small hole in the top of VR1. This is the volume control.
12. Plug the headphones in and connect a battery (9V PP3) to the battery snap.