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## **Fitting Instructions for ACT Gold and ACT Chrome IBT Calkits.**

1. Very carefully remove the IBT top label – Do not use a scalpel or similar knife, as you risk damaging the PCB, the display, the knife blade or even personal injury. We recommend careful use of a blunt paint scraper or similar tool to lift the edge of the label, before final removal by hand.
2. Remove any adhesive residue, using appropriate industrial cleaner, taking care not to get any liquid on the display or on exposed components. Careful use of a blunt scraper is recommended after neutralising the old adhesive.
3. Using a Phillips screwdriver, remove the 4 outer screws.
4. Lift off the PCB from the edge opposite to the leads and feed the leads through the grommets in the case to remove the PCB.
5. Noting Positive (Red) and Negative (Black) connections, carefully de-solder the leads. We recommend using a soldering iron with a temperature of approx 375°C. Be sure not to damage the track pads when removing the leads.
6. Remove the old test leads by pulling them out of the side of the unit, first noting the respective lead colour and position.
7. Carefully feed through the new test leads into the case, again noting correct colour and position.
8. Solder the new leads in position, as the old ones were removed.
9. Whilst pulling any excess lead back out of the enclosure, place the PCB back onto its housing.
10. Replace the 4 outer screws using a Phillips screwdriver.
11. We recommend testing the IBT at this stage, before fitting the new top label. Using a master calibrated IBT or ACT/Batmaster, connect the IBT and test as per instructions, ensuring the reading obtained is within specifications.
12. Remove backing paper from top label and fit to the battery tester.
13. Remove and replace side labels as required.
14. Re-test the unit as described above, fill in Calibration Test Result sheet and fit calibration sticker as required.

**It is necessary to replace the IBT test leads at the first sign of any wear, as this will cause low and inconsistent readings.**



**[www.actmeters.com](http://www.actmeters.com)**

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