

## Clock Installation and Usage Tips

1. It is worth connecting the clock to check its operation before finally installing it in the car. If you connect it to its normal supply and earth the case you should hear it ticking (with my modification there is no longer any need to use the setting cable to start the clock). Please note that the ticking is often quieter when not installed in the car. Also, the tick is quieter for the first minute or so while the clock gets going so don't worry if you can't hear it immediately.
2. While the clock is out of the dash it is also good to check that the wiring is in good condition and properly fused (we recommend a 1A in line fuse).
3. If the clock does not run when installed in the car, please use a test lamp or voltmeter to check the wiring - if the clock has not been working for some time it is possible that the wiring is dead and that this has gone unnoticed.
4. Please remember to disconnect the battery before re-installing the clock in the car – it's all too easy to short out some wiring when reaching under the dash.
5. If the clock is installed in another gauge (e.g. a Tachometer or speedo) check that the earth connection is attached to that gauge otherwise the clock will not run - it's usually a ring terminal which attaches to the mounting bolts.
6. If the ticking is too loud when clock is installed in the car it may be that there is a rubber mounting gasket missing.
7. These clocks have quite a lot of backlash in the hands; it can take a couple of minutes for the mechanism to 'catch up' and for the hands to start to move after you have set the time. The best way to avoid this problem is simply to set the hands a couple of minutes fast.
8. If the clock stops, check that the hands are not touching each other as it is easy to accidentally bend the minute hand when fitting the clock. If this does happen, then use a cocktail stick to gently bend the minute hand away from the hour hand.
9. In terms of accuracy, please bear in mind that this is still a mechanical movement and will still be affected by changes in temperature etc.
10. The clock will not run if it is connected to the wrong polarity (e.g. positive to negative), however it will not be damaged as my modification includes circuitry to protect against this.