

Battery Eliminator Installation

Parts Required

- PVC insulation tape.
- Cable ties.
- Ring terminals
- Butt-splices or terminal strips.
- Knife
- Spanners
- Crimpers
- Screwdriver
- Wire Cutter

Extreme caution.

Poor or unsafe wiring can start fires as well as damage connected electronic systems. If you are unsure exactly how to fit this unit in a safe and reliable manner please pass the work to a competent person.

A spanner on a +Ve battery terminal can short to ground creating instant heat and fire. **Always disconnect the -Ve (Negative) battery terminal before starting work** and replace this last, once work is complete.

Fusing

The fuse is the main safety device to protect your bike from damage. The fuse **must** be fitted correctly and be of the correct value (2 amp or less).

Fuse location.

The fuse **MUST** be fitted as close to the power source as possible (usually the +ve battery terminal). Then if wiring becomes damaged downstream of the the fuse it will blow the fuse thereby disconnecting power to the damaged wiring.

Ideally power will be taken direct from the +ve battery terminal. This is the easiest place to identify. The fuse must be in the +Ve wire and as close to the battery terminal as possible.

Fitting procedure.

1. Decide where the radio will be located and attach the battery eliminator to the radio.
2. Fit the radio and run the cable to the battery avoiding moving parts, hot parts and areas where the cable can be pinched, scuffed or damaged in any way.
3. Cable tie or PVC tape the cable into position.
4. Make the Power Connection

Fuse fitting and Power Connection.

- Connect the fuse via crimp barrels, or terminal strips to the Brown eliminator wire.
- Fit a ring terminal to the other side of the fuse and attach to the battery +Ve terminal.
- Fit a ring terminal to the Blue eliminator wire and attached to the battery -Ve terminal.
- Cable tie the wires to their associated battery cable so that if the battery is replaced they cannot be inadvertently switched to the wrong terminal.

Alternative Power connections.

The +Ve power can be taken from other parts of the bike wiring so that the radio powers up on the key for instance. How to do this is beyond the scope of this document. Please seek competent help if you wish to do this.

Earth Loops

Earth loops are electrically benign but cause alternator whine interference to intercoms and connected audio systems. They occur when two connected audio devices (Usually Intercom and Radio) are powered from the same power source. Earth loops often cannot be avoided but the effects will be minimised if both devices are connected directly to exact same electrical terminals on the bike. Direct to battery will usually provide best performance.