wildtalk...
wireless communications

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Battery Eliminator Installation

Parts Required

- 2A Fuse and Fuse Holder
- PVC insulation tape.
- Cable ties.
- Butt-splices or terminal strips.
- Knife
- Spanners
- Crimpers
- Screwdriver
- Wire Cutter
- Ring terminals

Before you Proceed - 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 terminal 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). The fuse **MUST** be in the +Ve (RED) wire and as close to the battery +ve terminal or other power source..

This protects wiring such that if wiring becomes damaged downstream from the fuse, the fuse will blow thereby disconnecting power to the damaged wiring.

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 eliminator power cable to the battery. Avoid any 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. RED Via fuse to the 12v +Ve terminal. Black to -Ve terminal or bike ground.

Fuse fitting and Power Connection.

1. **Disconnect the Negative Battery Cable before Proceeding**
2. Connect the fuse to the RED eliminator wire.
3. Fit the other side of the fuse to the battery +Ve terminal.
4. Fit the BLACK negative wire to the Battery -Ve terminal or chassis ground.
5. 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 ignition 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 the exact same electrical terminals on the bike. Connecting directly to the battery will usually provide best performance.

Copies of this document can be found at https://www.wildtalk.com/tk-3301-12v-battery-eliminator-hardwired/