

Ground Loop Interference

Ground loop interference is usually exemplified by engine noise “whirring” and “Ticking” through your intercom system, usually linked to engine revs.

It is caused by connecting auxilliary (Aux) devices such as GPS and Bike to Bike radios to your intercom unit, which are also powered directly from the vehicle. The intercom unit will be getting “Earth / Ground / Common” from not only it's own power connection, but also via the Aux devices.

You can easily test for this by disconnecting any Aux devices from the intercom and if you are using a bike to bike

There is a very simple fix for this which is effective in 99% of instances.

Follow the Intercom power lead to it's connections to the vehicle (Battery, ACC circuit etc) and disconnect the negative (Common / Earth) lead ONLY. This is usually a Black cable.

The intercom Positive lead (with in-line fuse) should still be connected as normal.

The Intercom will now get it's Earth / Common / Negative connection via the attached devices.

Do NOT disconnect the earth leads to any of the attached devices. - ONLY THE INTERCOM.