

The Repair, testing, servicing and modification of electronics, this is our core work. It is carried out by experienced and trained staff.

- **Repair**
- **Testing**
- **Servicing**
- **Modifications**
- **Manufacture and assembly**

We manufacture Marine Battery Chargers, Battery Dischargers, small scale PCBs and population, Test equipment, reverse engineered PCBs.

Programming

An Out sourced programming service is provided for **PICS, EPROMS** and other types of hardware

andy@xbrelectronics.com

Test equipment

A MkII/Mk1 WSP ATE test box,
a C442 HVAC Test box,

and a rechargeable modification to the **TG315** oscillator have been designed by us.

Proprietary WSP MkII test equipment and historical BR test equipment such as the **SISTE speedo test set** and the **EWS PAC and PCV** test equipment has also been manufactured here.

Calibration

A **Calibration service** trace able to National Standards is offered for "in house" and British Rail proprietary test equipment. We also provide an out sourced **NAMAS** calibration service.

Design and Development

We have designed equipment that has passed **RIA13 1990, BS EN 50155:1996**, including a **MkII WSP ATE test box** and a **XBR Solid State relay 1.5KVDC 3A (VACUUM SWITCH TYPE)**

C74 rescue vehicle PWM power and brake controller, a conversion from MkII WSP to MkI WSP, an electronic CLR for the C455

Specification Writing

This service is offered in conjunction with our repair, servicing, modification, testing and design services and can either be developing a best practise for the repair, testing or modification of components in partnership with the customer or can be a procedure that suggested by XBR that the customer may wish to adopt.

Ultrasonic cleaning

We have **Ultra-sonic Cleaning** and **Hot air drying Facility** for Component cleaning

Sourcing

If you have a difficult item to source or would just like someone to do the leg work then we have a **sourcing** and **procurement** service.

info@xbrelectronics.com

Reverse engineering

Do you have that one spare that's as rare as rocking horse ****. If you would like to increase your float then we can **reverse engineer**. No drawings, schematics or component lay-outs necessary just the original for us to "clone", we can even iron out some of the design flaws and obsolete components if you wish.

Printed Circuit Boards

Using CAD aided development tools we can design and layout PCBs and if you wish we can out source the production and populate them.