
Applies to: Nugen diesel generators – manufactured after January 2010
Date issued: 02nd September 2011
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Background: User reported variation between voltage reading at battery and voltage reading displayed on the Com Ap MRS15 controller.

Please note - this is not a fault or error.

Probable cause: BAD12 Voltage Regulator

Safety notes: Ensure JHA is completed before starting this task including machine lock out procedures
Repair should only be undertaken by suitably qualified staff
Observe any site-specific safety requirements
Appropriate PPE to be used at all times

Procedure: Nugen generators are fitted with a voltage regulator (BAD12) which feeds into the controller. The purpose of the voltage regulator is to maintain voltage into the controller when battery levels may be low.

The inherent resistance of the BAD12 regulator will have losses 0.6v to 0.8v from input to output, causing a variation in the voltage read at the battery and displayed on the controller.

For more detailed technical information on this, please contact Bruno Zulberti.