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**Applies to:** Nugen diesel generators manufactured after March 2010  
**Date issued:** 02<sup>nd</sup> September 2011  
**Contact:** PROMAC Sales (08) 6254-1800

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**Background:** User reported wiring failure in alternator

**Probable cause:** Friction between wiring and alternator case has rubbed through wire over time causing a short

**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:**

1. Remove alternator top cover
2. Check for possible areas of contact between wires and internal surfaces of alternator housing
3. Tie, secure or shorten cables such that they cannot contact the alternator housing
4. Replace alternator top cover

It is strongly recommended that the internal wiring (unprotected mains) on the alternator should be inspected every six months (at a minimum) as part of standard maintenance processes.

Going forward PROMAC will factory-fit rubber insulation on the alternator electrical enclosure and secure cables.