

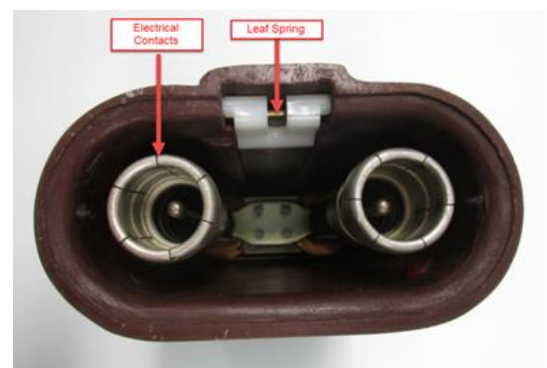
# SAFETY ALERT

## Safety Alert Number: 2017/05a

<b>Date:</b>	<b>Friday, 3 November 2017</b>
<b>Business Location:</b>	<b>The Network Control Room and All Field Service Providers</b>
<b>Subject:</b>	<b>Reminder to check Magnefix condition before operation</b>

**Message:** On completion of a switching operation, a Magnefix Ring Main Unit was found to be in distress. The switching operator quickly vacated the site and contacted the Network Control Room. Shortly after contact was made with the Network Control Room the Magnefix unit failed.

**Action:** Magnefix Ring Main Units are to have the link caps, the electrical contacts, and the leaf spring visually inspected following the removal of the links and prior to insertion of the links. This is to ensure that no part of the contacts have become dislodged or broken. If the link cap, leaf spring or electrical contacts are observed to be broken, misaligned or appear different in any way, the Magnefix Unit is not to be operated.



*Magnefix Link*

Similarly, if during switching the operation of the unit is noticed to be abnormal in anyway (such as an audible discharge or a strong smell of ozone), the switching operation shall be halted, the substation shall be immediately vacated, and the Network Control Room shall be immediately notified.

Service providers are to observe the manufacturer's instructions and only close Magnefix Ring Main Units using a spring-assisted operating handle. The condition of this operating handle is to be checked immediately prior to use, to ensure that all springs and clips are in place and that it is in good working order. The links should be held securely by the handle. If the connection between the links and the handle is loose then the handle should be replaced.

### **Please remember the pre-operating checks for ground mount switchgear**

- Ensure adequate grease/gas/oil (insulating medium) levels. Do not operate equipment if you have any doubt whether there is sufficient insulation in the switchgear, and
- Do not operate if equipment is hot, and
- Do not operate if equipment is emitting a strange noise, and
- Do not operate if equipment has a burning smell.

Any questions regarding this Safety Alert should be directed to Geoff Thorburn, Network Control Manager at phone number 021 422 364 or email [GThorburn@welectricity.co.nz](mailto:GThorburn@welectricity.co.nz)