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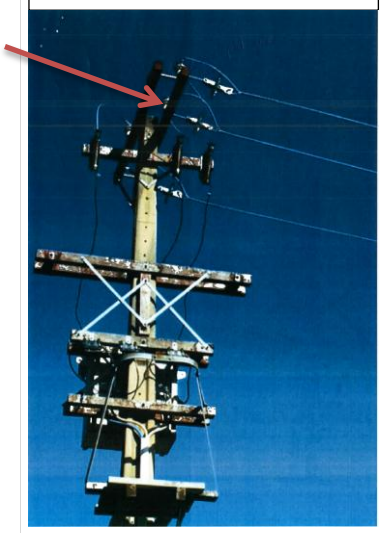
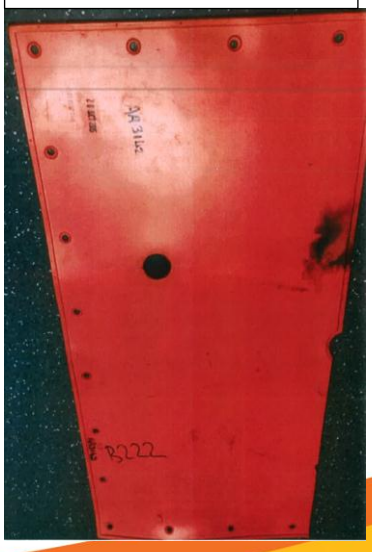
Lessons Learnt – LL051

Feeder tripped whilst removing lightning arrestors during 11kV live-line procedure

This Alert is applicable to:

Fibre		Distribution	X	Transmission		Wider Business	

Date of issue: 14/09/2015

Incident	Description
Date incident happened	22 July 2015
Where it happened	Puhi Puhi Road, Whakapapa, Northland
What happened	During an 11kV live line procedure, to remove redundant lightning arrestors, a binding wire touched an exposed insulator pin causing a feeder trip.
Why it happened	The incorrect type of cover-up mat had been used, leaving a portion of the HV pin stem exposed under the cross-arm. Binding wire touched centre phase bridging pin under the cross-arm  Incorrect cover-up mat 
The important things you should remember about this	Always use the appropriate cover up mat for the live-line procedure.

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What you must do in future	Ensure that you have the correct cover up equipment before commencing live-line procedures.
SM-EI Reference *NZECP 46:2003* *High Voltage Live line Work* Hazard Register	<u>1.303 HAZARD IDENTIFICATION AND RISK MANAGEMENT</u> When work is being planned responsible employees (safety) and supervisors shall consult with each other to ensure responsibilities are clearly defined and allocated, and the following precautions shall be taken: hazard identification shall be undertaken and the hazards determined. <u>2.8.1 Insulating Barriers</u> All components within the immediate work area that are, or could be, at a different potential shall be covered with insulating barriers. Second point of (electrical) contact (live line work), no.367
Released by:	Steve Plewinski, HSQE Advisor, Northland 0299778720