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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

33

DAMAGE TO STRESS GRADED BRIDGE ARM END FITTINGS FROM SHORT CIRCUITS AT OVERBRIDGES

COMPONENT Stress graded glass fibre bridge arms, to drawing 1/121/272 (PADS number 091/011884).

PROBLEM Bird strikes at overbridges cause short circuits from live equipment to earth. Short circuits to the cast aluminium end cap fitting of a stress graded bridge arm cause rapid electrical erosion of the end fitting.
This campaign change is related to campaign changes 10, 31 and 32.



Reference Information

Ellipse standard job number	13033
Ellipse standard job description	Prevent damage to UB arm end fittings
Category	Registration arm
Priority	Yes
Types of OLE affected	Mk1; Mk2; Mk3 (all)
Original equipment dates	After 1970



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ACTION REQUIRED

1. Modify the catenary height so that the electrical clearance between the uplifted catenary and the bridge soffit is at least 600mm.
2. If this is not possible, fit clip-on secondary insulation to the bridge arm end fitting, as follows:

Arm type	OLEMI number	PADS number
Standard OLEMI dome end arm (shown below)	149/334/001	91/011885
Rebosio round end arm	-	91/011886

