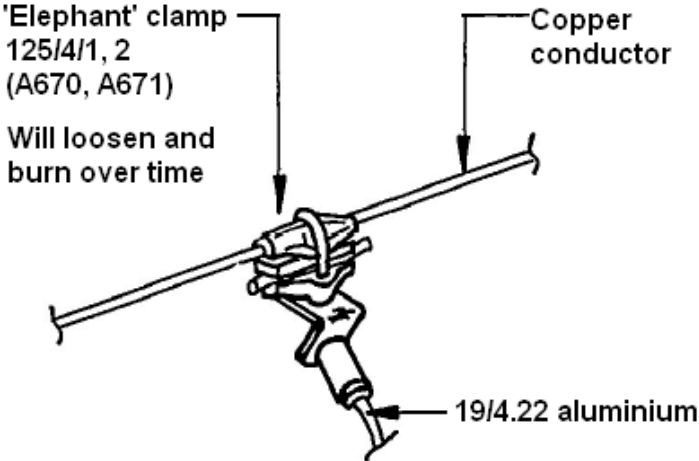


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26	BURNING AT "TEE OFF" BI-METAL TERMINATION FEEDER CONNECTIONS
COMPONENT	Bi-metallic 'tee' connections to copper return conductor or feeder wires, using bi-metallic lug attached to parallel groove 'elephant' clamp (see drawing 1/997/498).
PROBLEM	<p>The elephant clamp will overheat and loosen over time, because the nickel gunmetal outer pieces of the clamp are not electrically rated for traction current. This will lead to arcing and eventual failure of the conductor.</p> 
Reference Information	
Ellipse standard job number	13026
Ellipse standard job description	Upgrade feeder bi-metal "T Off" terminal
Category	Feeder
Priority	Yes
Types of OLE affected	Ex-DC; Mk 1
Original equipment dates	1982

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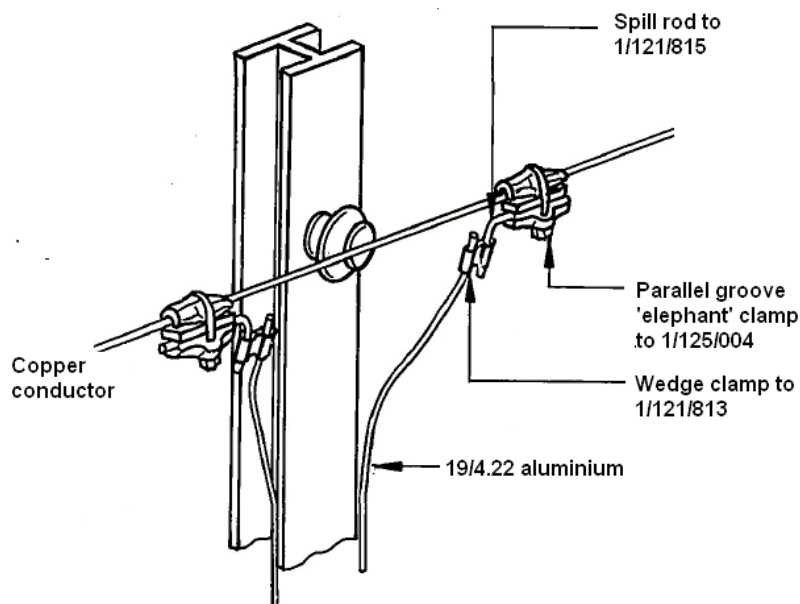
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BURNING AT "TEE OFF" BI-METAL TERMINATION FEEDER CONNECTIONS

ACTION REQUIRED

Replace connections as follows:

1. If possible, minimise use of bi-metal connections either by extending copper conductors or by replacing copper conductors with aluminium.
2. Replace connection with alternative using bi-metallic spill rod (OLEMI drawing 121/815) and wedge clamp (drawing 121/813) as follows. This does not rely on passing current through the outer pieces of the clamp.



Note that the parallel groove 'elephant' clamp shown in this sketch no longer uses a U-bolt.

Item	OLEMI number	PADS number
Spill rod	121/815/002	0091/002369
Wedge clamp	121/813/003	0091/002271
Parallel groove 'elephant' clamp	125/004/003 125/004/004	0091/012393 0091/000321