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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

28

MODIFICATION OF CROSS - CONTACT BRIDGE ASSEMBLIES

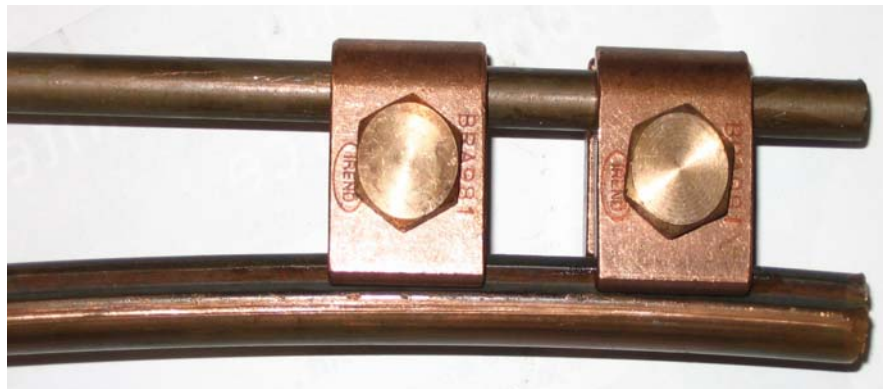
COMPONENT Cross-contact bridge assemblies, as follows:

1. With a $\frac{7}{16}$ " copper rod bridge;
2. With 2-off parallel grove clamps clamped around a contact wire bridge;
3. With 2-off 125/003/001 type parallel grove clamps, clamped into the groove of a contact wire bridge.

Note that the following assemblies are acceptable and are not campaign changes:

1. As 199/551/004,. i.e. straightened contact wire supported by 2-off 125/003/025 type parallel grove clamps, clamped into the groove of the contact wire bridge;
2. As NR/BS/LI/014 i.e. straightened contact wire supported by 4-off 125/003/001 type parallel grove clamps, clamped into the groove of the contact wire bridge.

PROBLEM High pantograph forces and contact wire uplift causes the cross-contact fastenings to work loose. This leads to the cross contact bar falling foul of pantographs. In addition $\frac{7}{16}$ " copper rod has been prone to fracture.



Reference Information

Ellipse standard job number	13028
Ellipse standard job description	Modify cross - contact bridge assembly
Category	Contact wire
Priority	Yes
Types of OLE affected	Mk 1; Mk 2; Mk 3 (all); Mk 5
Original equipment dates	After 1985



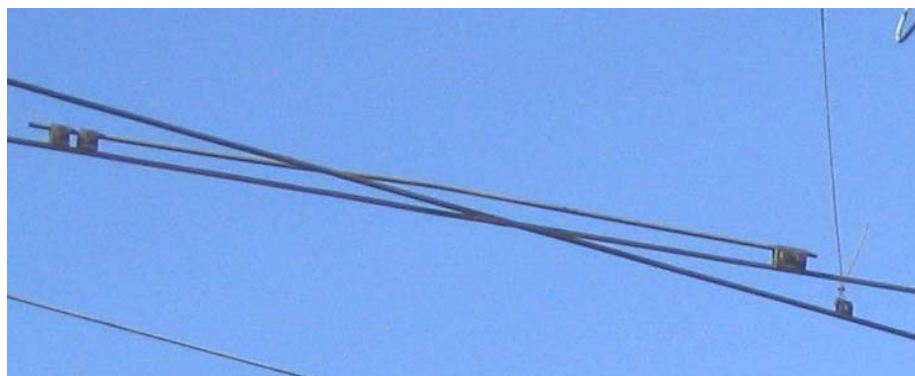
Documents
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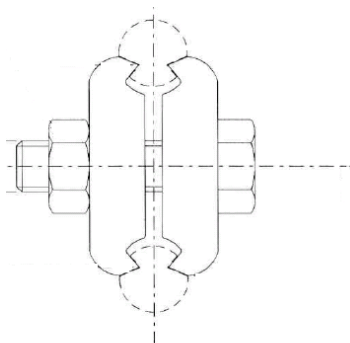
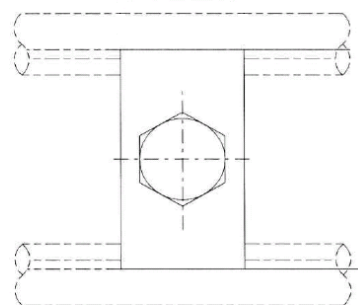


ACTION REQUIRED

Replace with current design to 199/551/004,. i.e. straightened contact wire supported by 2-off parallel groove clamps 125/003/025, clamped into the groove of the contact wire bridge. Install the crossed contact assembly as follows:

1. Cut the bridge to be cut to the required length from 107mm² hard drawn copper contact wire that has been pre-straightened using a cold rolled process.
2. Install the bridge central to the crossing point at the OLE set up temperature (10°C).

Fit the parallel groove clamps with the bolt heads facing the crossing wire.



ASSEMBLY CAT. No. 125/003/025

