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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET											
54	REPLACEMENT OF DEFECTIVE CAP AND PIN INSULATORS										
COMPONENT	Cap and pin triple dish insulators, to drawing 1/121/003. This campaign change applies on East Coast Main Line in areas subject to saline pollution and on Midland Main Line.										
PROBLEM	Insulators with defective end cap cement break down electrically over time. This leads to catastrophic failure of the insulator and de-wirement.										
											
ACTION REQUIRED	Replace with polymeric equivalent insulator, as follows:										
	<table><tr><th>Type</th><th>OLEMI</th><th>PADS</th></tr><tr><td>3-dish replacement</td><td>121/833/003</td><td>091/012574</td></tr><tr><td>4-dish replacement</td><td>121/833/002</td><td>091/012536</td></tr></table>	Type	OLEMI	PADS	3-dish replacement	121/833/003	091/012574	4-dish replacement	121/833/002	091/012536	
Type	OLEMI	PADS									
3-dish replacement	121/833/003	091/012574									
4-dish replacement	121/833/002	091/012536									

Reference Information	
Ellipse standard job number	13054
Ellipse standard job description	Replace defective Cap & Pin Insulator
Category	Insulators
Priority	No
Types of OLE affected	Mk3b
Original equipment dates	1984

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OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

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REPLACEMENT OF DEFECTIVE CAP AND PIN INSULATORS

COMPONENT REFERENCE NO.	PROCS	DIMENSIONS (mm)			BODY	END CASTING	MANUFACTURER	MANUFACTURER REF. NO.	MIN. FAILING LOAD (kN)	FACTOR OF SAFETY	MAX. WORKING LOAD (kN)	MAX. CREEPAGE (mm)	APPLICATION
		A	B	C	D		ALLOYED INSULATOR	HYPERLAST (M.B.T.)	70	2.5	28	5	SINGLE DISH
121/833/002	081/12/208	140	204	-	-	PORECELAN	CAST IRON	OCORINC	70	2.5	28	4.3	4 DISH REPLACEMENT
121/833/003	081/12/254	149	213	-	-	SILICONE RUBBER	CAST IRON	OCORINC	70	2.5	28	1.6	1 DISH REPLACEMENT

NOTES:
 1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. FOR COMPONENT 121/833/003, THE ALLOCATION DESIGNER SHALL ALLOCATE THE SECURITY CLASS REF. 121/833/003 AS A SEPARATE ITEM.

REFERENCE No. 121/833/002 AND 121/833/003

NAME	DATE	REV	DESCRIPTION OF CHANGE	U.S.	U.K.	U.S.
DESIGNER	08/12/2008	1	DESIGN			
CHECKED	08/12/2008	1	CHECKED			
APPROVED	08/12/2008	1	APPROVED			

Network Rail

ANTI-VANDAL BALL & SOCKET AND TENSION INSULATORS

NTS

SCALE

FILE NAME: 121-833-A3_00_SHEET2

FORMAT: 121-833-A3_00_SHEET2

DRIVING No. 1/121/833/A3

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