

NR/SIG/10665/mod 018		
AC 50 Hz Track Circuit - Service A (NR/ROSE/TC-A1/1)		
Issue No. 01	Issue Date: 02/03/13	Compliance Date: 07/09/13

Includes:	50Hz AC Track Circuits (including Single & Double rail types)
Excludes:	Those Track circuits listed above that contain unstaggered IBJs, have parallel bonding, have isolating transformers at the relay end of a single rail TC, or more than one TC uses the same multi-core/ tail cables within the TC feed or relay arrangements.

1. GENERAL



Warning

High voltages may be present on the terminals of capacitors.

Red bonds are very dangerous if they become disconnected. Never touch them as there could be a dangerous voltage.

Report to E.C.O any found.

2. SERVICE A

2.1



Check

Track bonding connections are tight.

Impedance bonds, rail leads & cover are tight (if fitted).

Aluminium plate is secure & for signs of arcing.

Tail cables for damage, security and suitably protected.

Condition of P.Way (Report defects).



For metallic objects in close proximity to track (remove where possible).

Visually, all associated IBJs for degradation or damage.



The Track relay vane for smooth continuous action and that it does not vibrate (as this can indicate problems with DC traction imbalance).

2.2



Report

NR/SIG/10665/mod 018		
AC 50 Hz Track Circuit - Service A (NR/ROSE/TC-A1/1)		
Issue No. 01	Issue Date: 02/03/13	Compliance Date: 07/09/13

Any adjustments made, components replaced or out of specification items on a WAIF.



Measure

2.3

The 'Control' coil Relay voltage, (if valve has altered by more than 10% from the previous reading or there is long term trend) then investigate & report (give consideration to weather conditions).



Record

2.4

Control End Relay Voltage reading on record card.

End



SUPPORTING INFORMATION