

Includes

Standard Reed type RT Track circuit, Single & Double Rail and Simple Loop RX.

Excludes

High Power, High Performance & Jointless Reed Track circuits, RT compound loops and Pre type Reed RT track circuits (e.g. AEI GRS large plug in or the variant of Reed tunnel tracks).

Service A**Caution**

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

1.0**Examine****Traction areas only**

1.1 Negative return bonding present & connections are tight.

1.2 Aluminium plate is secure & for signs of arcing.

1.3 Impedance bonds, rail leads & debris cover are tight.

Torque Settings		
Component	Fixing Size	Torque (Nm)
Impedance bond end terminations	M16	150
Impedance bond centre tap	M16	118
Bond Connection to Rail	M12	70

1.0**Examine**

1.4 Tail cables for damage, security and suitable protected.

1.5 Fishplate bonds are not broken damaged including cross bonding in S&C.

1.6 Signal wires, point rodding, and metal services (etc) are insulated and clear of rails.

1.7 Assess the condition of ballast / ground conditions.

1.8 Where fitted – Simple RX loop for damage & security.

For single Rail Track circuit

2.0



Check

2.1 Stretcher bar insulations.

2.2 Track circuit interrupters and connections.

3.0



Check

3.1 Condition of P.Way (Report defects).

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

3.3 Visually, all associated IRJ for degradation or damage.

Disconnection Boxes (if fitted)

3.4 For signs of wet or dry wire degradation.

Terminations are secure and free from corrosion.

3.5 Cables are labelled correctly.

3.6 Cable glands are effective.

3.7 Lid fits securely and padlocked.

4.0



Measure

4.1 Measure using a digital meter the AC voltage on the receiver track filter (RT7202, RT7212) between terminals 11 and 12. #: 150mV to 300mV

4.2 Measure the voltage across the track relay coils R1 (+) and R4 (-).

Between 11.5V and 13.5Vd.c.