

TECHNICAL INSTRUCTION	TI 128 Issue 1 February 2009 Expires: See page 2 Page 1 of 2
	NETWORK RAIL - SIGNAL ENGINEERING AWS Depot Test Magnet (Vortok Design)
Relevant Standard: NR/L3/SIG/10661 & NR/L3/SIG/10663	

Purpose

Following introduction of the Railway Group Standard GE/RT8035 a new design of depot test magnet is required. The maintenance and calibration of this design requires a new Signalling Maintenance Specification. The purpose of this Technical Instruction is to advise those concerned what actions are required.

Scope

To provide maintenance and installation staff with the necessary Technical Advice relevant to the new equipment design.

Abbreviations & Definitions

AWS	Automatic Warning System
TI	Technical Instruction (NR/L2/SIG/11120)

Compliance Requirements

The requirements of this TI shall be applied with immediate effect.

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Documents
Document Sharing Hub

Action Required

In accordance with the manufacturers recommendations all Depot Test Magnets are required to have a service B at 12 month intervals. Calibration is achieved at 60 month intervals by use of a service exchange unit.

General

More information on this equipment can be found in the Vortok Depot Test Magnet Installation Manual.

Standard strength depot test magnets are coloured yellow. Extra strength depot test magnets are coloured green.

SERVICE B

1. Depot Test Magnet

- 1.1 Remove debris from the area of the magnet.
- 1.2 *Examine* the magnet for damage. Arrange for repair or replacement where necessary.
- 1.3 *Examine* the fixings
The equipment shall be secure.
- 1.4 *Check* the magnet is positioned correctly with respect to rail level.
- 1.5 *Gauge* the top of the magnet with respect to rail head ($\pm 1\text{mm}$ from rail level). This should be done by use of a line/bob weight and associated plastic gauge or rule.
To adjust the height of the magnet; Loosen the magnet locking bolt; Rotate the entire magnet assembly; Tighten the locking bolt onto the nearest flat.

Periodic Tasks

2 Unit Calibration

- 2.1 Replace the magnet with a Vortok exchange unit
Installation details are in the Vortok Depot Test Magnet Installation Manual

Staff to be Briefed

All staff involved with installation, testing and maintenance of AWS Depot test magnets.

Expiry Date

This notice will expire on publication of the next issue of the SMS.

End