

# New HPSS Documentation

## Introductory Briefing Pack



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# Introduction

- The HPSS Equipment Handbook – NR/GN/SIG/11400 (issue 3) is withdrawn. The information in the handbook has been transferred and updated into the following documents:
  - ER/R/1/0224 – Installation Manual: HPSS for Plain Lead Switches (UIC54 & RT60).
  - ER/R/1/0037 – Corrective Maintenance Procedures: HPSA Point Machine Plain Lead Switches (UIC54 & RT60).
  - ER/R/1/0111 – Corrective Maintenance Procedures: ‘Powerlink’ Backdrive Plain Lead Switches (UIC54 & RT60).
- The documents have been produced by the manufacturer, IAD Rail Systems, and although they are not badged “Network Rail” they are authorised for use on Network Rail Infrastructure.



# Original Equipment Handbook

- The original HPSS Equipment Handbook (NR/GN/SIG/11400 – issue 3 ) was last updated in 2003. Since then there have been a number of changes to the system including various component modifications.
- The main changes are;
  - Powerlink Shear Pin Module for run-through detection.
  - Insulated rail position sensors to improve interference immunity.
  - Upgraded ECU to improve interference immunity.
  - New Handset with Windows™ operating system.
  - Colour coded cables to aid fitment.



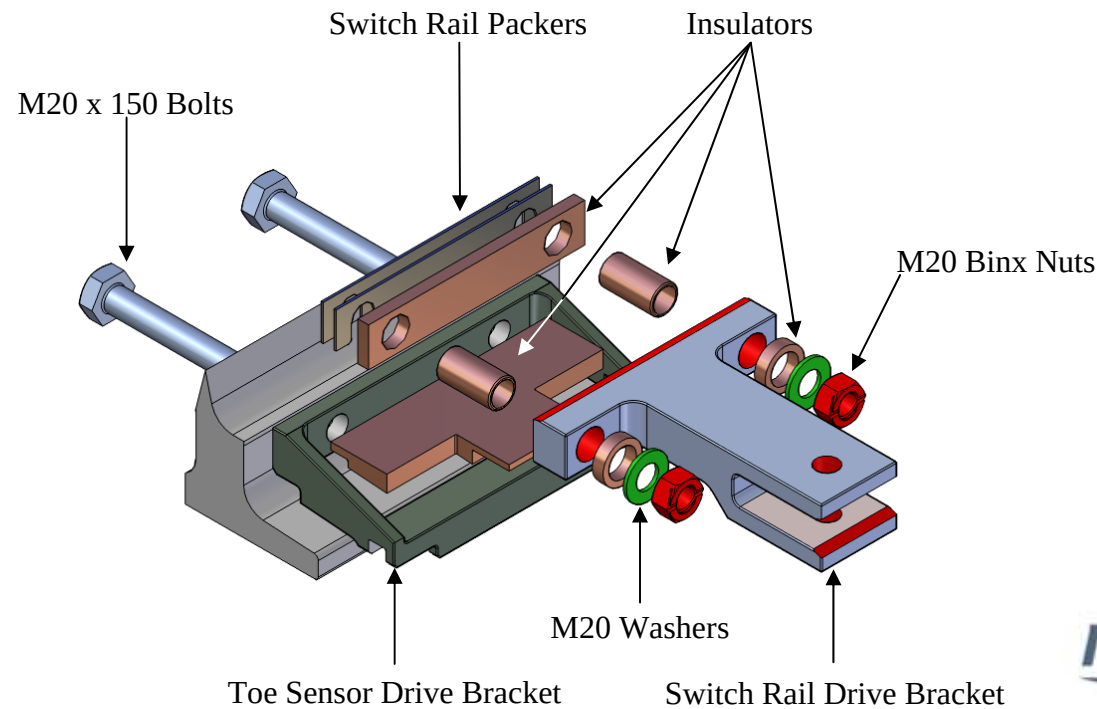
# Installation Manual

- The format of the new Installation Manual (ER/R/1/0224) has changed. Each section now has the following layout:
  - General Note;
  - Safety Note;
  - Special Tools;
  - Installation Procedure;



# Installation Procedure

- The installation procedure uses diagrams where suitable to explain the set-up.



# What's Changed - ER/R/1/0224

In addition to the new format, Installation best practice advice, (as per TI081), has been included to cover the following:

- Pre-Assembly
- Fasteners
- Plug Couplers
- Lifting of S&C Panel
- Cables / Looms
- Tamping
- Schwihag Rollers
- Rail Clips

As a result, TI081 is withdrawn.

