

Ref:	NR/L3/SIG/11303/2X10
Issue:	2
Date:	4 September 2010
Compliance date:	4 December 2010



Level 3 Module

Signalling Installation – Level Crossings: Lifting Barrier Machines (BR 843 Mks 1 & 2)

Endorsement and Authorisation

For endorsement and authorisation, please refer to NR/L3/SIG/11303.

This module is a reformatted version of the previous Signalling Installation Handbook with no change to the content other than correction of terminology.

It represents historic best practice which may no longer be relevant.

This document is the property of Network Rail. It shall not be reproduced in whole or part nor disclosed to a third party without the written permission of Network Rail.

© Copyright 2010 Network Rail.

Uncontrolled copy once printed from its electronic source.

Published and Issued by Network Rail, Kings Place, 90 York Way, London. N1 9AG.

Ref:	NR/L3/SIG/11303/2X10
Issue:	2
Date:	4 September 2010
Compliance date:	4 December 2010

Issue record

Issue	Date	Comments
2	September 2010	Reformatted version of previous document incorporating the text of the installation handbook.
1	August 2000	First issue

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 4 December 2010.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 4 to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Stage 4 was reached and not to comply with requirements contained herein, unless the designated Standard Owner has stipulated otherwise in the accompanying Briefing Note.

Disclaimer

In issuing this document for its stated purpose, Network Rail makes no warranties, express or implied, that compliance with all or any documents it issues is sufficient on its own to ensure safe systems of work or operation. Users are reminded of their own duties under health and safety legislation.

Supply

Copies of documents are available electronically, within Network Rail's organisation. Hard copies of this document may be available to Network Rail people on request to the relevant controlled publication distributor. Other organisations may obtain copies of this document from IHS. Tel: 01344 328039.

Ref:	NR/L3/SIG/11303/2X10
Issue:	2
Date:	4 September 2010
Compliance date:	4 December 2010

Contents

1 Introduction

This module does not give descriptions of all the work necessary for the installation of lifting barriers.

These notes provide some additional material and also act as a check list.

2 Tools Required For Installation

The usual metric spanners (7 - 30mm across flats) and screwdrivers are required. In addition the following special tools are needed:

- M 20 Lifting Eye Bolts to BS 4278 Table 1 4 off
- M 24 x 60 long H.T. Hex. Head Screw to BS 3692-8.8 1 off
- Metric Allen Keys 1 Set
- Torque Wrench (12 - 68 Nm), with 19 mm A/F socket 1 off
- Spring Balance 0 - 10 kg (22lbs) 1 off
- Pin Punch, 4.5mm diameter 1 off