

BRITISH RAILWAYS BOARD
SPECIFICATION No. BR 1965

RADIO TRAY AND WIRING FOR
TRAIN BORNE RADIOS FOR TRAIN TO SIGNAL BOX RADIO SYSTEMS

Controlled Copy Number	

Director of S & T Engineering
British Rail Board
Macmillan House
Paddington Station
London W2 1PT

Issue 0.2

August 1988

No. of Sheets 10

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INTRODUCTION

This specification covers the manufacture and wiring of a metal radio chassis plate, and assembly of free issue parts on to it.

- 1.2 This specification is issued by

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here after referred to as " The Engineer "

The contractor shall have a secure area for the storage of the free issue equipment. This area shall have suitable environmental conditions, so as to allow the equipment to function correctly once removed from store. This storage area will require approval by The Engineer.

- 1.4 The contractor shall be responsible for the security of the free issue equipment. The equipment value shall be advised in a covering letter.

- 1.5 If the contractor wishes to provide equivalent or alternative components or parts to those listed in this specification, the replacement must be approved by The Engineer.

A full list of proposed equivalent or alternative components or parts and suppliers of same, must be submitted with the tender.

- 1.7 A sample of the Radio Mounting Tray will be vibration tested to BRB/RIA 13 section 9.3.9 before quantity production.

For the first batch of 20 units, following initial functional test, each assembled tray with radio fitted shall be temperature cycled with power on in accordance with BRB/RIA 13, sections 9.3.3 and 9.3.5, then subjected to the tests in section 6 of this specification. Each assembled tray shall then receive a soak test of at least 20 hours duration, followed by a repeat of the functional tests in section 6. The results of these tests shall be documented and a copy shall be shipped with the tray assembly. The tests to be applied on subsequent batches will be reviewed after the first 20 units.

Any failures which occur shall be notified to the Engineer, together with information on the mode of failure.

PARTS TO BE MANUFACTURED

CHASSIS PLATE

- 1 The Chassis Plate shall be made to BR Drawing T 4531, wired to BR Drawing T 4534 and assembled to BR Drawing T 4532.

CHASSIS PLATE MOUNTING FEET

Four rubber feet are required to be fixed to both the Chassis plate (Sheet 1) and the top clamp Cover (Sheet 2) to firmly clamp the radio; details shall be submitted for the approval of the Engineer.

2.3

COMPONENT ASSEMBLY

The components of T 4534 shall be laid out on a printed wiring board or terminal strip to be approved by The Engineer. The transformer shall be mounted directly on the chassis plate because of vibration. The relay may be mounted on the flange for through wiring.