

**General Electric Data for Car Equipment Maintenance**

## Contents

## Title sheet

Data contents summary sheet showing manual prepared for  
Melbourne & Metropolitan Tramways Board

## Including

Footscray Tramway Trust  
Hawthorne Tramways Trust  
Melbourne, Brunswick and Coburg Tramway Trust  
Pahran and Malvern Tramways Trust.

2 sheets dated July 8, 1924 giving equipment schedules for the various operators, and diagrams. – hard to read the background sheet information. Does not reference the tramcars.

1. Methods of Removing the Armature from Box Frame Railway Motors  
Dated 9/1924, 7 pages
2. Instructions for order Magnet Frames for Railways and Mine Haulage Motors  
2 pages, not dated
3. Winter Covers for Ventilated Railway Motors – 2 pages
4. Better Commutation for Railway Motors – 1 page
5. Commutator Grooving Machines – 1 page
6. Railway Motor Armature Coils – 2 pages
7. Carbon Brushes for Railway motors – including brush pressure adjustment – 2 pages
8. Renewable Carbon-Way Brush holders for Railway Motors – 2 pages
9. Commutator Grooving Machines (2<sup>nd</sup> version) – 2 pages
10. The Repair of Railway Motor Commutators – 3 pages
11. Dimensions of Electrical Apparatus used with 600-volt Type PC railway control equipment, (Sheet 15380, dated 2/1/1924) – 1 sheet including
  - US-13-E Trolley Base,
  - MS-118-A main switch,
  - MA-13-F Fuse Box,
  - MD3 – lightning Arrester,
  - BJ-386-B Distributing Box,
  - Type BG Railway Resistors.

- 12 Connections of Type KM-63-BR Railway Controllers and Equipment – Drawing 15257, 1 page, dated 1/3/1921 with dimension details on rear of type K-63-BR railway controller equipment including:
  - SG Resister,
  - BK-13-A Insulator,
  - MR11 – Circuit breaker,
  - MD3 – Lightning Arrester box,
  - K63-BR Controller,
  - US15C Trolley Base.
- 13 Method of Supporting Railway Resistors using Porcelain Bolt insulators for 600 and 1500 Volt Work. Drawing dated 1/11/1923, No. 15249B – 1page
- 14 Dimensions of Electrical Apparatus used with 600-volv Type M railway control equipment, (Sheet 15381, dated 2/1/1924) – 1 sheet including
  - US-13-E Trolley Base,
  - MS-118-A main switch,
  - MA-13-F Fuse Box,
  - MD3 – lightning Arrester,
  - BJ-386-B Distributing Box,
  - Type BG Railway Resistors.
- 15 Dimensions of Electrical Apparatus used with 600Volt, Type PC Railway Control Equipment. Drawing No. 15382, dated 2/1/1924. Includes:
  - C129-A Master Controller,
  - DA82C Coupler sockets,
  - MS-14-G switch,
  - MS-46-H switch.
- 16 Dimensions of Electrical Apparatus used with 600-volv Type M railway control equipment, (Sheet 15383, dated 2/1/1924) – 1 sheet including
  - C-169-A Controller
  - DA-69-B Coupler Socket and DC-66-C Coupler Plug
  - MS-14-G Switch
  - MS-46-H-Switch
- 17 Method of Making Tap Connections for Car Cables – SD 15468, 1/11/1924, 1 page
- 18 The Repair of 600 Volt Railway Motor Armatures, 64408, 9/2/1924, 4 pages
- 19 Proper Method of Mounting and Dismounting Railway Motor Pinions. – 2 pages
- 20 Pinion Pullers for Railway Motors – 2 pages, dated 8/1/1924.
- 21 The Care of Railway Motor Bearings – 4 pages
- 22 Oil Scraper Rings for Air Compressors – 64590 – May 1924 – 1 page

- 23 Finger Bases for type K 63 controller 1 page
- 24 Adjustment of Drum Controller fingers – 29/1/1924, 64600A – 1 page
- 25 Star Wheels for Type K Controllers - 64603 – 1 page
- 26 Soldering Aluminium Controller Cylinder Castings – 2 pages
- 27 Porcelain Bolt Insulators for Railway Service – and drawing on rear showing mounting arrangement of resistor Grids – 2 pages.
- 28 Connections of Armature and Field Winding for GE-201-F and GE 263A railway motors. DS37869
- 29 Connections of Armature and Field Winding for GE-201-I railway motors. K162903
- 30 Connections of Armature and Field Winding for GE-202 motor, DS 10472
- 31 Connections of Armature and Field Winding for GE-203 A and GE 226 railway motors. DS23869.
- 32 Connections of Armature and Field Winding for GE-241 motors – K1629077
- 33 Connections of Armature and Field Winding for CP25A Air compressor
- 34 Connections of Armature and Field Winding for CP27A Air compressor
- 35 Connections of Armature and Field Winding for GE-258 and GE 264 railway motors. K1629343.
- 36 US-13-E Trolley Base for Railway Service – 3/1/1923, 64823 – 2 pages
- 37 Copy of M&MTB (Eastern System) Certificate of Competency as Motorman.
- 38 Photocopies of a series of four photos of 22E trucks under an SEC tramcar.
- 39 Sprague G-E Multiple Unit Control, Type PC, Instruction Book 84772 – Oct. 1922 – 40 Pages.