

CONVERSION FROM 'Z' CLASS TO TWO MOTOR TRAMS. Single trucks.

Course to consist of four days practical training.

- Day 1. sign on Hawthorn
- Day 2. sign on Camberwell
- Day 3. sign on Camberwell
- Day 4. sign on Camberwell

DAY 1.

INTRODUCTION TO 'W' CLASS TRAMS

7:45        Discuss briefly the main differences between 'Z' and 'W' class trams, using frame car for comparison.

8:15        Explanation of the following, using the bench.

1. Controller
2. Cutting of notches
3. Resistance
4. Use of line breaker
5. Key
6. Compressor
7. Sand
8. Ratchet spring
9. Compressor/Line breaker switch combined.

9:30        Morning tea

9:45        Fault finding/Safety. Describe in detail the following.

1. Cutting out of motors
2. Bent finger
3. Ratchet spring
4. Power on - tram won't start
5. Compressor guage under 60lbs  
over 90lbs
6. Locked controller
7. Insulated tram
8. Changing fuses/globes.

12:00 Lunch

12:45 Driving four motor tram.

Instructor to demonstrate preparing tram for the road.

Tram out to East Burwood, Instructor to drive demonstrating the following.

1. Smooth acceleration/build up of power
2. Braking
3. Emergency brakes
4. Handbrake
5. Automatic points
6. Skidding - causes and correction.

Instructor to demonstrate correct berthing procedures.

3:30 Revision.  
Questions.

DAYS 2,3 & 4 AT CAMBERWELL DEPOT.

DAY 2. S/O CAMBERWELL DEPOT.

7:30 Introduction to two motor tram.

8:00 Student to prepare tram for the road.

8:15 Fault finding by instructor.

9:00 Morning tea.

9:15 Instructor to drive the tram to East Burwood to demonstrate correct driving principles, emergency braking handbrake auto points, stud markings, parking on down grade.

12:00 Lunch.

12:45 Student to drive to Princes Bridge to Wattle park. perform handbrake and emergency braking procedures.

3:30 Fault finding revision.

## EMERGENCY BRAKING SYSTEM.

### 1st EMERGENCY.

Place the controller handle to the off position.

Apply sand.

Air brake to the full on position.

### 3rd EMERGENCY.

Forward reverse key to the reverse position, (keeping sand button down).

Bring controller handle round smartly to full parallel position.

(N.B. Controller handle must not be brought back from full parallel until tram has come to a stop.)

During notching to the full parallel position the line braker will open, bringing in the 3rd emergency.

DAY 4    S/O CAMBERWELL DEPOT.

- 7:30            Student to prepare the tram for the  
                 road.
- 7:45            Fault finding test.
- 9:15            Morning tea.
- 9:30            Road test. Wattle Park to Princes Bridge  
                 route.
- 12:00           Lunch.
- 12:45           Time to be allocated to the students  
                 weak points, brushing them up and general  
                 driving.
- 3:30            Course revision.