



**TRAM DRIVER
FAULT FINDING & BRAKING ASSESSMENT
"B & Z" CLASS**

NAME: _____ **NUMERAL** _____

LOCATION: _____ **DATE:** _____

FAULT FINDING INSTRUCTIONS: Trainees must obtain a minimum 75%
Trainees should answer either 8a or 8b

Component	1.	2.	3.	4.	5.	6.	7.	8a.	8b.	9.	10.	11.	TOTAL
Score													

REMARKS: _____

BRAKING INSTRUCTIONS: Trainees must demonstrate competence in each of the 5
components
2 attempts are provided
If unsuccessful further training determined by SDT

Service Brake	Emergency Brake	Brake Failure	Tram in Skid	Disc Brake Operation

REMARKS: _____

Assessor Name: _____ **Signature:** _____

SECTION 1 FAULT FINDING

1. PREPARING A TRAM FOR THE ROAD	15 Points
1.1 External check	<input type="text"/>
1.2 Proceed to trailing end of tram	<input type="text"/>
1.3 Open console & turn tram on	<input type="text"/>
1.4 Check console left to right including PA system	<input type="text"/>
1.5 Internal check	<input type="text"/>
1.6 Check circuit breakers	<input type="text"/>
1.7 Check fire extinguishers	<input type="text"/>
1.8 Test AVM	<input type="text"/>
1.9 Open & check AT equipment	<input type="text"/>
1.10 Check door sensitive edges/bell cords	<input type="text"/>
1.11 Set destination	<input type="text"/>
1.12 Repeat required procedures at other end	<input type="text"/>
1.13 Check sand boxes & pipes	<input type="text"/>
1.14 Check Point Bars(s)	<input type="text"/>
1.15 If defective notify Supervisor	<input type="text"/>
TOTAL	<input type="text"/>

Comments:

2. "POWER OFF" LIGHT COMES ON 8 Points

- 2.1 Check pole/pantograph on overhead
- 2.2 Check for drive
- 2.3 Check if tram is insulated
- 2.4 F/R off/Battery off (Panto down where applicable)
- 2.5 (Panto Up where applicable) Battery on-/F/R on
- 2.6 Check circuits
- 2.7 Test for drive at other end
- 2.8 Call FOC
- TOTAL**

Comments:

3. "POWER ON" TRAM WON'T DRIVE 10 Points

- 3.1 Check safety pedal fully engaged
 - 3.2 Check switches in correct position
 - 3.3 F/R off-Battery off
 - 3.4 Battery on-F/R on
 - 3.5 Check circuits & other end
 - 3.6 Cut out motors (Z3 only)
 - 3.7 Use Emergency Drive switch (Z3 only)
 - 3.8 Cut out motors with Emergency Drive on
 - 3.9 Driving points to observe
 - 3.10 Call FOC
- TOTAL**

Comments:

4. DOORS WON'T CLOSE

8 Points

4.1 Check switches in correct position

4.2 Check door flaps & stepwells

4.3 Reset door motor

4.4 Check circuits

4.5 Use override switch for a few stops

4.6 Reset door motor

4.7 Use door control switch

4.8 Call FOC

TOTAL

Comments:

5. DOORS WON'T OPEN

6 Points

5.1 Check stepwell

5.2 Check flap is closed

5.3 Open flap/raise unlock bar

5.4 Open & close door from outside

5.5 Check circuits

5.6 Call FOC

TOTAL

Comments:

6. CUTTING OUT MOTORS

15 Points

- 6.1 Reset Line Breaker
 - 6.2 Stop tram
 - 6.3 F/R off-Battery off
 - 6.4 Battery on-F/R on
 - 6.5 Reset Line Breaker
 - 6.6 Check circuit breakers
 - 6.7 Check other end
 - 6.8 Cut out motor No. 1
 - 6.9 Reset L/B & test for drive
 - 6.10 Cut in motor No.1 & cut out motor No. 2
 - 6.11 Reset L/B & test for drive
 - 6.12 Cut motor No. 2 back in
 - 6.13 Use Emergency Drive
 - 6.14 Cut out motors with Emergency Drive on
 - 6.15 Call FOC
- TOTAL**

Comments:

7. INSULATED TRAM

11 Points

- 7.1 Identify symptoms (lower Panto if applicable)
 - 7.2 Warn passengers
 - 7.3 Turn lights on if not burning
 - 7.4 Alight from tram & lower pole (if applicable)
 - 7.5 Advise passengers to leave tram
 - 7.6 Use water to clean track if available
 - 7.7 Raise panto or pole
 - 7.8 If lights burn drive to clean section of track
 - 7.9 Reseat passengers
 - 7.10 If lights do not burn lower panto or pole
 - 7.11 Call FOC
- TOTAL**

Comments:

8. DAMAGED POLE/PANTOGRAPH

10 Points

- 8.1 Secure defective pole
- 8.2 Release ropes & pole
- 8.3 Reverse ropes & pole to offside
- 8.4 Other employee to hold one rope
- 8.5 Driver to throw other rope to near side
- 8.6 Place pole on overhead
- 8.7 Tie ropes loosely inside tram
- 8.8 Driving points to observe
- 8.9 If pantograph damaged or tangled in overhead DO NOT lower
- 8.10 Call FOC
- TOTAL**

Comments:

9. BATTERY VOLTAGE CHARGER 5 Points

- 9.1 Check Battery Needle is in green
- 9.2 Check Battery light is off
- 9.3 Check Needle at other end
- 9.4 Check circuit breaker
- 9.5 Call FOC

- TOTAL**

Comments:

10. DISC BRAKE LOCKS ON 7 Points

- 10.1 Check Disc Brake button is released
- 10.2 F/R off-Battery off (Lower panto where applicable)
- 10.3 Wait for 3 minutes ("B" Class only)
- 10.4 Raise panto (where applicable) & Battery on-F/R on
- 10.5 Check circuit breaker
- 10.6 Test for drive at other end
- 10.7 Call FOC

- TOTAL**

Comments:
