SYDNEY TRAMWAY MUSEUM

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Rail Safety Manager		Y	1	

SYDNEY TRAMWAY MUSEUM

MECHANICAL MAINTENANCE SCHEDULE

MMS 1

Car No.:_____ Date: _____

CHECK DEFECTS BOOK FOR ANY RELEVANT INFORMATION BEFORE COMMENCING WORK

WITH THE POWER ON COMPLETE THE FOLLOWING

STEP	ITEM	INITIAL
1	Check operation of Air Compressor. Listen for any unusual sounds, e.g. Bearing Knocking, etc.	
2	Check all Air Gauges are indicating and are showing within 5 lb. of each other.	
3	Check the Brake Valves for leaks and freedom of movement.	
4	With Brakes applied check the entire Air System for leaks, especially check at the following points:- Reservoirs, Brake Cylinder(s), Brake Valves(s).	
5	Check Brake Rigging motion by applying and releasing brakes. Check Brake Shoes for wear and replace worn shoes. Check Brake Cylinder Piston travel, then adjust or regulate rigging if required.	
6	Check operation of Sanders.	
7	Check the operation of Windscreen Wiper Engines.	
8	Check for correct operation of Windscreen Wiper Blades and Arms (replace blade if required).	
9	Test operation of Emergency Brake System.	

ENSURE THAT THE OVERHEAD POWER IS ISOLATED FROM THE TRAMCAR AND TAGGED BEFORE PROCEEDING TO THE NEXT SECTION OF THIS MAINTENANCE SCHEDULE

10	Drain Air System and all Reservoirs.	
11	With **NO** Air in the Brake System, check operation of Driver's Brake Valves for freedom of operation and repair any defects.	
12	Check Handbrakes for freedom of operation and security of Ratchet Pawls. Check that the Handbrake applies correctly.	
13	Inspect all Brake Rods, Brake Chains, Levers, Hangers, etc. for cracked, bent, broken, missing pins and excessive wear. Tighten all loose nuts and replace missing keys.	
14	Inspect Brake Cylinder(s) for any obvious defects. Insure Brake Cylinder mounting bolts are in good condition and tight.	
15	Inspect Air Compressor for any obvious defects, ensure compressor mountings are in good condition and secure.	
16	Carefully inspect Wheels for cracks and chipped Flanges. Check Wheels for proper Gauge, Flange and Tread contour.	
17	Inspect Equaliser Bars for cracks.	

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MECHANICAL MAINTENANCE SCHEDULE

MMS 2

Car No.:_____ Date: _____

ENSURE THAT THE OVERHEAD POWER IS ISOLATED FROM THE TRAMCAR AND TAGGED BEFORE PROCEEDING TO THE NEXT SECTION OF THIS MAINTENANCE SCHEDULE

STEP	ITEM	INITIAL
18	Check every Detail of truck for loose bolts, nuts, etc. Inspect Springs for broken leaves, coils and dislocation of seats. Inspect Spring Plank, Swing Link Pins, Bolster, Side and Centre Bearings for cracks, excessive wear and other irregularities. Check Axle box Clearance in horn cheeks is not excessive. Check Radial Pad clearance. Check Motor Nose Suspension for loose bolts, broken springs, defective rubbers and excessive play. On nose type suspension 1.5 mm (1/16”) is the recommended clearance. Inspect Suspension Bearings and Axle box Journals for tight lids, broken covers and springs. Check Plates and Bearings. Replace all worn Shoes and re-adjust Brakes. See that Release Springs are free to deflect their full travel and are not fouled by truck parts.	
19	Check Couplings for physical condition, freedom of movement, etc. Check condition of Coupler Suspension Bars, Anchor Points and Swivel Pins.	
20	Check Underframe for damage, defects, etc. Record any obvious defects, corrosion, etc.	

WHEN SERVICE IS COMPLETE, TEST RUN THE TRAMCAR TO CHECK THE OPERATION OF ALL RELEVANT SYSTEMS

COMMENTS: _____

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Serviced By: _____

Signature: _____

Membership No.: _____