

ATTACHMENT 2

Guideline for vehicle inspection

No	Item	Description / detail
GENERAL REQUIREMENT		
1	Body Colour	The entire body of vehicle down to waist shall be painted white except for Airport Emergency Service or Airport Police vehicle.
2	Insignia / Logo	The vehicle shall be clearly marked with owner's insignia or logo.
3	"Speed Limit" Sign	25 km/j sign shall be clearly displayed at the rear of the vehicle. The dimension of the sign shall approximately 14cm width X 9cm height.
4	"Safety First" Sign	"Safety First" sign shall be clearly displayed on the inside of the vehicle. The dimension of the sign shall approximately 25cm width X 4cm height.
5	"No Smoking" sign	"No Smoking" sign shall be clearly displayed on the inside of the vehicle used for transport of passenger and crew. The sign shall be illuminated with dimension approximately 25cm width X 4cm height.
6	Beacon Light	Blue-flashing beacon only applied for the Airport Emergency Service or Airport Police vehicle. Yellow-flashing beacon shall be used by vehicle others than Airport Emergency Service or Airport Police vehicle. The beacon shall functioning with flashing rate 60 - 90 fpm.
7	Tail Light / Rear Light	Tail light / Rear light shall be functioning and clearly visible.
8	Front Light / Head light	Front Light / Head light shall be functioning and clearly visible.
9	Reverse Light	Reverse Light shall be functioning and clearly visible.
10	Signal Light	Signal Light shall be functioning and clearly visible.
11	Break Light	Break Light shall be functioning and clearly visible.
12	Side Light	Side Light shall be functioning and clearly visible.
13	Wiper (if necessary)	Wiper shall be functioning effectively.
14	Horn	Horn shall be functioning and clearly heard.
15	Speedometer	Speedometer shall be functioning, clearly visible and the sight glass is free from crack or damage.

16	Safety Belt (if necessary)	Safety Belt shall be in good condition and functioning.
17	Windshield & Window	Windshield & Window shall be free from crack or damage.
18	Steering System	Steering system shall be free from visible leakage.
19	Electrical Wiring	Visible electrical wiring shall be securely fastened and shall be insulated and covered to prevent short circuits.
20	Fuse & Switch	Fuse & Switch shall be covered, securely fastened and all the terminal shall be securely fastened.
21	Battery	Battery and battery poles shall be suitably covered with material that able to prevent the occurrence of sparks (eg aluminium, fiber, polypropylene and etc) and shall be free from leaking or deform.
22	Generator & Starter motor	Generator & starter motor shall be functioning and able to crank effectively.
23	Spark Plug	Spark Plug shall be functioning and the vibration of engine shall be appropriate during idling.
24	Tyre, Wheel & Tread Wear Indicator (TWI)	The wheels shall be fitted with rubber tyres. The side wall of the tyres shall be free from any bulges or lump. The wheel shall be free from cracked and have adequate nuts. The tyres shall be free from touching any surface of the vehicle while the vehicle is moving or turning. The surface of the tyre tread pattern shall exceed the Tread Wead Indicator (TWI). Please take noted that regroove tyre is not permitted and all above requirements are included for spare tyre.
25	Engine & Transmission	Engine & Transmission shall be free from visible leakage inclusive engine block, transmission system, gearbox, axle, wheel hub and others related parts.
26	Voltage regulator and cut-out	Voltage Regulator and cut-off shall be functioning, serviceable and covered.
27	High Tension Cables (eg spark plug cable)	Visible high tension cables shall securely fastened and the connector are free from cracks and enclosed.
28	Distributor Cover	Distributor Cover shall be free from crack, mechanical defect and securely fit on housing.
29	Carburetor	Carburetor shall be functioning and free from leakage.

30	Carburetor Flame Trap	Carburetor flame trap shall be fitted at its position and free from leakage
31	Exhaust Manifold,Gasket & Piping	Exhaust Manifold shall be suitably covered to avoid sparks. The exhaust gasket and exhaust piping shall be free from leakage when the engine is running.
32	Fuel System	Fuel system including petrol tank, pipe lines, fuel pump, fuel filters and carburetor shall be free from leak, corrosion or damage and securely mounted.
33	Foot Brake System	Foot Brake system shall be in good condition and free from leakage. The brake pedal shall be anti-slip type to ensure the operator operating the brake properly. Foot brake system shall be tested and witness by MTW's inspector.
34	Parking Brake System	Parking Brake system shall be in good condition and free from leakage. The lever and button shall be free from damage and securely mounted. Parking brake system shall be tested and witness by MTW's inspector.
35	Fire Extinguisher	Fire Extinguisher shall be dry powder or carbon dioxide (CO ₂) with BOMBA certified and shall be mounted on an accessible affixed bracket. The needle indicator shall pointed on green range.
36	Smoke Condition (diesel)	The maximum concentration of smoke at or near the final point of emission from the exhaust pipe into the atmosphere shall not exceed Ringelmann No. 2 of the Ringelmann Smoke Chart for a continuous period of more than 10 seconds when observed.

SPECIAL REQUIREMENT

(for belt loader, dispenser, pushback tractor, bowser, flushing vehicle, cargo pallet transporter (cpt), passenger step mobile, hi-lift, tow truck, aircraft towing tractor, ambulift, lower deck lowder, lavatory truck, water truck, baggage tractor, electric vehicle and any applicable)

37	Engine Compartment Cover	Engine cover shall be free from crack or mechanical defect and shall fitted on housing.
38	Fuel Pipe Line & Connector	Fuel Pipe Line & Connector shall be free from leakage and in good condition.
39	Hydraulic System & Line	Hydraulic system & line shall be functioning and serviceable. The pipes, cylinder and hoses are free from crack, leakage and any mechanical defect.
40	Belt Loader Conveyor	Belt Loader Conveyor shall be functioning, securely attached and in good condition.
41	Battery Pack	Battery Pack shall be suitably covered with material that able to prevent the occurrence of sparks (eg aluminium, fiber, polypropylene and etc) and the cover shall be free from crack.
42	Limit/safety Sensor	Limit/safety Sensor shall be serviceable and functioning.

43	Emergency Stop Button	Emergency Stop Button shall be serviceable and functioning.
44	Container	Container shall be free from crack or mechanical defect and free from leakage.
45	Power Take Off	Power Take Off shall be serviceable and functioning.
46	Outrigger & Stabilizer	Outrigger & Stabilizer shall be serviceable and free from leakage
47	Towing Point	Towing Point shall be lockable and free from crack and mechanical defect.
ADDITIONAL REQUIREMENT (FOR VEHICLE OPERATING WITHIN FIFTEEN METRES OF AN AIRCRAFT ONLY)		
48	Green Roundel	Green roundel shall be painted/mark with a 152mm diameter green circle and surrounded by 25mm white band. The roundel shall be painted/mark clearly on the front and rear of the vehicle.
49	Spark Arrestor	Spark Arrestor shall be equipped at the tail of the exhaust for petrol engine and shall be approved type.
50	Trunk / VHF Radio	Trunk / VHF radio shall be functioning and able to communicate with the tower.