

## MTA Membership Category Equipment Lists

The Automotive Technology Committee has made changes to equipment lists in their care. These are:  
Change 'Fire extinguisher' to 'Adequate fire extinguisher' for all lists: Add 'Scan Tool' to Alternative Fuel, Brake specialist and Transmission specialist: Change 'Parts wash' to '-Parts wash environmentally compliant', Automotive repairer, Brake specialist and Engine reconditioner: Add 'Access to WoF information' to Automotive repairer, Exhaust specialist and Tyre Specialist: Change 'High rate discharge tester' to 'Battery testing equipment', Automotive electrical and Battery specialist: Automotive Electrical, remove '4 Gas Analyser': Suspension specialist - remove this equipment list [Suspension specialist has been removed as a category], Tyre Specialist add 'Proof of access to a Scan tool - steering angle sensor', change 'Torque socket or torque bar' to Torque wrench', after 'Tyre safety cage' add '[for businesses servicing split rim wheels]'.

### Alternative Fuel (CNG/LPG installations)

Adequate range of hand tools  
Adequate fire extinguisher  
Air compressor  
Approved first aid kit  
Axle stands  
Bench and vices  
Bench grinder  
Cooling system pressure testing equipment  
Caulking/sealing gun  
Creeper Boards  
Drilling machines [portable and fixed]  
Electrical test equipment - multimetre  
Garage jacks  
Gas leak detection equipment [electronic and snoop]  
Hoist/ramp/pit [pit no AF]  
Infra-red emission tester

Locktite sealers  
Metal hole saw  
Pop riveting gun  
Portable gas proof inspection lamps  
Relevant safety equipment  
Scan tool  
Spike guarded jumper leads  
Soldering equipment  
Suitable lifting tackle  
Taps and dies  
Timing light  
Torsion wrench  
Tube cutter  
Vacuum and compression gauges  
Vernier gauge  
Welding equipment

#### Preferred but not essential

Battery charging plant  
Engine analyser  
Laptop computer and relevant software  
[Gas injection]

Hydrometer  
Service Vehicle

### Aftermarket Equipment Installation

Adequate fire extinguisher  
Allen key/torx screw set  
Battery charger  
Carpet and wing protectors  
Centre punch  
Crimping tool  
Cushion or knee protectors  
Drill set  
Drilling machine [portable]  
Electrical test equipment  
Electric drill  
Files

Insulation tape  
Lead light  
Long & short nose pliers  
Paper and pen  
Plasticine/ bluetac  
Plastic trim tool/ craft knife  
Power lead  
Protective eyewear  
Screwdriver set  
Selection of nuts, bolts, washers, screws  
Short circuit/ overload power lead protection

First aid kit  
Hammer  
Hacksaw  
Heat gun  
Hot glue gun  
Tape measure  
Toolbox  
Universal stereo removal set  
Vacuum cleaner

Socket set  
Solder  
Soldering iron  
Spanner set  
Spike guard jumper leads  
Suitable electrical cable, fasteners and ties  
Vice/vicgrips  
Wire cutters  
Wire stripper

### **Automotive Air Conditioning**

Adequate range of hand tools  
Adequate range of pullers  
Adequate charging scales  
Air compressor  
Approved first aid kit  
Axle stands  
Bench and vices  
Bench grinder  
Fire extinguisher  
Goggles, gloves and earmuffs  
Hoist, ramp or pit  
Measures - Oil  
MTA Automotive Air Conditioning Code of Practice

Nitrogen bottle/regulator  
Portable inspection lamp  
Recovery System  
Relevant electrical test and electronic gas leak detection equipment (suitable R12 & R134a)  
Relevant flushing equipment (and flush fittings)  
Relevant welding equipment (not mig)  
Service manifold/gauges/hose assembly  
Soldering equipment  
Synthetic gas identifier  
Thermometer  
Vacuum pump  
Vernier gauge

### **Automotive Electrical Specialist**

Adequate fire extinguisher  
Adequate range of pullers  
Adequate range of hand tools  
Air compressor  
Approved first aid kit  
Armature Growler  
Axle stands  
Battery charging plant (suitable for calcium batteries)  
Bench and vices  
Bench grinder  
Creeper board/s  
Drilling machines - portable & fixed  
Electrical test equip - Suitable Multimeter  
Garage jacks  
Battery testing equipment  
Hydrometer

Lathe  
Headlamp Beamsetter  
Micrometre set/vernier gauge  
Oscilloscopes  
Parts wash (Environmentally compliant)  
Gas plant  
Portable inspection lamps  
Power or mechanical press  
Regulator tester/light  
Relevant safety equipment  
Scan tool  
Service vehicle  
Soldering equipment  
Spike guarded jumper leads  
Starter motor & charging System test bench  
Timing light  
Torsion wrench

### **Automotive Recycler and Dismantler**

Adequate fire extinguisher  
Adequate range of hand tools  
Adequate range of pullers  
Adequate storage facilities for contaminants  
Approved first aid kit  
Axle stands  
Bench and vices

Bench grinder  
Garage jacks  
Portable inspection lamps  
Relevant safety equipment  
Suitable lifting tackle  
Vacuum and compression gauges

## Automotive Refinisher

Adequate fire extinguishers  
Adequate Spill containment  
Air compressors of suitable capacity  
Air fed respirator compliant with Dal requirements  
Airlines including moisture extraction equipment  
Approved first aid kit  
Car wash equipment  
Dustless dry sanding Equipment  
Fan air extraction equipment  
Floor jack (1.5 tonne minimum)  
Heat lamps  
Mechanical and pneumatic sanders  
One primer gun  
Polishing buff

Protective clothing, personal respirator & footwear for employees  
Set of four car stands  
Separate lunchroom, staff wash facilities and lockers  
Separate paint storage area compliant with Dal requirements  
Spray booth compliant with Dal requirements  
Spray guns, of suitable design and capacity (1/ tradesperson)  
Suitable computer protecting jumper equipment  
Suitable parts storage areas & bins  
Suitable rubbish containers  
Tinting room, tinters and paint formulae manuals  
Workbench

## Automotive Repairer

Access to relevant WoF information  
Adequate fire extinguisher  
Adequate range of hand tools  
Adequate range of pullers  
Air compressor  
Air service tyre pressure gauge  
Approved brake test meter (WoF only)  
Approved first aid kit  
Axle stands  
Battery charging plant  
Bench and vices  
Bench grinder  
Cooling Sl:)Stem pressure testing equipment  
Creeper boards  
Drilling machines  
Electrical test equip - multimeter  
Garage jacks  
High rate discharge test meter  
Hoist/ramp/pit (pit not AF)

Hydrometer Lubricating equipment Measures - Oil  
Parts wash - environmentally compliant  
Portable inspection lamps  
Proof of access to light alignment equipment  
Proof of access to a scan tool  
Relevant safety equipment  
Soldering equipment  
Spike guarded jumper leads  
Suitable Computer (WoF Only)  
Suitable lifting tackle  
Taps and dies  
Timing light  
Torsion wrench  
Vacuum and compression gauges  
Vernier gauge  
Welding equipment

## Automotive Structural Repairer

Adequate Fire Extinguishers  
Adequate range of hand tools  
Adequate Spill containment  
Air compressor and lines  
Approved first aid kit  
Bench Grinder  
Chisel, saw or abrasive cut-off wheel grinder or plasma cutter  
Corrosion protection equipment  
Creeper board  
Disc sanders (large and small)  
Dustless dry sanding equipment  
Electrical Welding Spike Protector  
Engine Removal Equipment (outwork acceptable)  
Floor Jack (1.5 tonne minimum) (one jack to every three trades persons)  
Headlamp aligning facility  
industry recognised chassis alignment machine (one machine to every six trades persons)  
Inverter Spot Welder  
Isolating transformer or isolating for power equipment  
Lead lights or suitable lighting System  
Mig welder (one welder to every three trades persons)  
Mig welder with Bronze Welding capability (recommended)  
One 1.5 metre straight edge  
One 5 metre steel tape rule  
One square  
One trammel  
One universal three-dimensional measuring System or jig bed including datasheets

(Currently calibrated and made by an industry recognised manufacturer of this equipment)  
One qualified tradesperson to three trainees  
Orbital sander  
Oxy-acetylene plant with cutting equipment and approved anti blowback safety device  
Panel hammers & dollies  
Pop riveting tool  
Porta power equipment (minimum 4 tonne)  
Portable Power tools (electric or pneumatic)  
Power drill  
Protective clothing and footwear for employees  
Pulling rig and associated clamps (One rig to every three trades persons)  
Separate lunchroom, staff wash facilities and lockers  
Slide hammer kit  
Spot welder equipment  
Spot weld removal equipment  
Suitable computer protecting jumper equipment  
Suitable parts storage areas & bins  
Suitable rubbish containers  
Two pairs of axle stands per tradesperson  
Vacuum cleaner and equipment  
Workbench with suitable vices

Technicians carrying out structural repairs must have successfully completed recognised industry training in welding and repair techniques to comply with MTA Bylaw clause 3.2

## Battery Specialist

Acid neutralising agent  
Adequate fire extinguisher  
Adequate range of hand tools  
Approved first aid kit (to include treatment for acid burns/eye wash)  
Battery carrier  
Battery charger (Suitable for calcium batteries)  
Battery testing equipment  
Hydrometer  
If acid is being stored, environmentally compliant storage, safety precautions and signage in place

Meter (amps and volts)  
Post moulds and suitable plant  
Relevant chemical datasheets  
Relevant safety equipment  
Soldering bolt or crimper  
Spike guarded jumper cables (or booster start-up pack)  
Suitable storage/disposal of discarded batteries  
Terminal cleaners and pullers

## Brake Specialist

Adequate fire extinguisher  
Air compressor  
Axle Stands (4 minimum)  
Battery Charger  
Bench & Vice  
Bench grinder  
Brake bleeding equipment - vacuum/pressure  
Brake adjusting tools  
Brake fluid water tester  
Brake pipe flaring, cutter and bending tools  
Brake pressure gauges  
Brake relining, counter sinking and riveting equipment  
Calliper piston retracting tools  
Creeper boards  
Disc and drum lathe  
Disc rotor micrometre  
Drum brake adjusting tool and brake spring pliers  
Drilling machines (portable & fixed)  
Drum diameter micrometre  
Dust extraction equipment  
First aid kit

Hoist (2 post] or ramp or pit  
Inspection lamp  
Measuring tools: vernier/calliper/dial gauge  
Multimetre  
Parts wash - environmentally compliant  
Portable brake wash equipment  
Proof of access to a brake Roller tester for vehicles >3.5 tonnes  
Proof of access to data  
Range of hand tools  
Radius grinder  
Range of pullers  
Relevant safety equipment  
Scan tool  
Tap and die set  
Torque wrench  
Trolley jack  
Vacuum gauge  
Wash bath  
Welding equipment  
Wheel Cylinder hone

## Engine Reconditioner Specialist

Adequate fire extinguisher  
Compression tester  
Conrod aligning equipment  
Conrod hone  
Crack testing equipment, magnetic particle with light and dye penetrant  
Cylinder boring equipment, overhead and portable  
Cylinder head straightening equipment  
Cylinder honing and deglazing equipment  
Hardness tester  
Head shop machine  
Helicoil and thread repair equipment  
Hot and cold cleaning baths, parts washer cabinet, in suitable bay  
Line borer  
2 tonne floor crane  
Lathes  
Lifting equipment, chain hoist, hydraulic lifting tables

Linishing belt  
Micrometres and depth gauges  
Overhead surface grinder/Mill  
Parts wash - environmentally compliant  
Pin fitting equipment, i.e., hone or fine borer  
Pressure test equipment  
Proof of access to crankshaft grinding machine  
Relevant safety equipment  
Suitable range of hand tools  
Twenty-five tonne hydraulic press  
Vacuum test equipment  
Valve guide machine  
Valve insert machine  
Valve refacing machine  
Valve seat facing machine  
Welding Bay, Mig, Tig and OXyacetylene

## Exhaust Specialist

Access to relevant WoF information  
Adequate fire extinguisher  
Adequate range of hand tools  
Approved first aid kit  
Angle grinder  
Battery spike guard  
Bench and vice

Bench grinder  
Compressor  
Cut-off saw  
Drilling machines  
Hoist  
Inspection lamp  
Finisher

Relevant safety equipment  
Tap and die sets

Tube bender  
Welding equipment

## Heavy Vehicle Repairer

The following list covers Trucks, Buses and Agricultural and Contracting equipment

Access to relevant literature  
Adequate range of hand tools  
Adequate range of pullers  
(Hydraulic and mechanical)  
Adequate Torsion wrenches  
Air compressor  
Air service tyre pressure gauge  
(reading up to 120 psi)  
Approved first aid kit  
Axle stands  
Battery charging plant  
Battery test equipment  
Bench and vices  
Bench grinder  
Cooling System pressure test equipment  
Creeper boards  
Drill Press  
Dual Wheel trolley (Truck and bus only)  
Electrical test equipment - Multimeter

Fire Extinguisher  
Heavy Duty jumper leads  
Heavy Duty Press  
Heavy duty transmission jack  
Hoist/Ramp/Pit (Truck and Bus only)  
Light alignment equipment  
Lubricating equipment  
Measures - Oil  
Portable inspection lamp  
Personal Protection Equipment  
Proof of access to a scan tool  
Range of hub nut sockets  
Safety props  
Suitable lifting equipment  
Taps and dies  
Test gauges  
Vernier gauge  
Welding equipment

## Independent Vehicle Testing Station

A brake test instrument roller brake machine)  
permanently mounted in or on the floor as  
approved in the in Service VIRM  
Adequate fire extinguisher  
Adequate lighting facility  
Adequate range of hand tools  
Approved first aid kit  
Approved headlamp or beam setting equipment

Garage Jack  
Glazing VLT Meter  
NZTA authorisation to issue WoF's  
Portable handheld inspection lamps  
Relevant safety equipment  
Suitable Hoist or pit  
Up to date copy of the Inservice VIRM

## Lubrication Specialist equipment List

Adequate fire extinguisher  
Adequate range of hand tools  
Air compressor  
Air service tyre pressure gauge  
Approved first aid kit  
Bench and vice  
Brake Fluid tester  
Coolant tester (dip strip)  
Coolant System pressure testing equipment  
Data System for manual resetting  
Oil Removal De Vac pump  
Drilling machine (cordless/power)

Hoist/pit  
Lubricating equipment  
Measures - Oil  
Portable inspection lamps  
Power steering flush machine  
Relevant safety equipment  
Scan tool  
Spike guarded jumper leads  
Taps and dies  
Transmission flush machine  
Vernier gauge

## MTA Non-Structural Body Repairer

Adequate Fire Extinguishers  
Adequate range of hand tools  
Adequate spill containment  
Air compressor and lines  
Approved first aid kit  
Bench Grinder  
Chisel, saw or abrasive cut-off wheel grinder or plasma cutter  
Corrosion protection equipment  
Creeper board  
Disc sanders (large and small)  
Electrical Welding Spike Protector  
Engine Removal Equipment (outwork acceptable)  
Floor Jack (1.5 tonne minimum) (one jack to every three trades persons)  
Headlamp aligning facility  
Isolating transformer or isolating for power equipment  
Lead lights or suitable lighting system  
Mig welder (one welder to every three trades persons)  
One 1.5 metre straight edge  
One 5 metre steel tape rule

One square  
One trammel  
Orbital sander  
Oxy-acetylene plant with cutting equipment and approved anti blowback safety device  
Panel hammers & dollies  
Pop riveting tool  
Porta power equipment (minimum 4 tonne)  
Portable Power tools (electric or pneumatic)  
Power drill  
Protective clothing and footwear for employees  
Pulling rig and associated clamps (One rig to every three tradespersons)  
Separate lunchroom, staff wash facilities and lockers  
Slide hammer kit  
Spot weld removal equipment  
Suitable computer protecting jumper equipment  
Suitable parts storage areas & bins  
Suitable rubbish containers  
Two pairs of axle stands per tradesperson  
Vacuum cleaner and equipment  
Workbench with suitable vices

## Motorcycle Repairer

Adequate range of hand tools  
Adequate range of pullers  
Air compressor  
Amp meter  
Approved first aid kit  
Battery charging plant  
Bench and vices  
Bench grinder  
Cleaning Equipment  
Cylinder hones  
Drilling machines - portable & fixed  
Electrical test equip - multimeter  
Factory Service Tools for franchise/s held  
Fire extinguisher  
Greasing equipment  
Hydrometer

### Preferred but not essential

Power or mechanical press

Light testing equipment  
Measures - oil  
Motorcycle Stands  
Portable inspection lamps  
Safety Equipment (safety goggles, earmuffs)  
Soldering equipment  
Taps and dies  
Timing light  
Torsion wrench  
Tube bath  
Tyre changing equipment  
Valve lifters  
Valve tools  
Vernier gauge  
Welding equipment

Approved brake test meter (WOF only)

## Radiator Specialist

Adequate fire extinguishers  
Air compressor  
Air equipment  
Approved first aid kit  
Bench and vices  
Bench grinder  
Buff  
Core rodding equipment  
Gas welding plant  
Paint Facility Meeting OSH Standards

Protective equipment (gloves, aprons, goggles)  
Radiator jig  
Radiator pipe expansion plugs  
Radiator pressure tester  
Radiator reverse flush gun  
Relevant safety equipment  
Soldering equipment  
Tank crimping tool  
Ventilation equipment  
Water bath

## Tow Truck Operator

Ancillary emergency warning devices, i.e., approved revolving beacon, flashing lamps, torch "accident" warning signs, and safety cones  
Appropriate class licence for vehicle driver  
Approved first aid kit  
Available safe and suitable storage for salvaged vehicles  
Broom  
Dangerous goods licence for heavy vehicle recovery (Preferred)  
New Zealand Safety Standard approved fire extinguishers  
Relevant safety equipment  
Rear light board (Heavy vehicles)  
RT/GPS (optional)  
Shovel  
Spike guarded jumper leads

Suitable selection of hand tools  
Unlock kit (optional)  
Vehicle recovery license (NZ Transport Agency)  
Suitable lifting equipment to transport vehicle of minimum weight 2,000kg, i.e., at least on one of the following lifting equipment types: Hook truck, Tray truck, Underlift truck, Underlift cradle, Dolly wheels  
All Tow trucks must display on the dash Name/Address/Contact details of the company clearly visible for passengers  
Current vehicle certificate of fitness  
Tow trucks must display the address of the yard/based on the doors  
Vehicle recovery licence or Transport Service licence must be displayed on the RH corner of the Windscreen

## Transmission Specialist

Adequate fire extinguishers  
Air compressor  
Aligning/bush installing and removing tools  
Auto trans pressure gauge set  
Axle stands (4 minimum)  
Battery charger  
Bench & vice  
Bench grinder  
Creeper boards (If no hoist, ramp or pit)  
Drilling machines (portable & fixed)  
Electrical test equip. - multimeter  
Engine support system  
First aid kit  
Hoist (2 post) or ramp or pit (Optional)  
Inspection lamp  
Jumper leads  
Measuring tools:  
micrometre/vernier/callipers/dial gauge

Oil and removing/installing/storage equipment  
Parts wash (Environmentally compliant)  
Press  
Proof of access to data  
Scan tool  
Proof of access to welding equipment  
Range of hand tools  
Range of pullers  
Range of specialised transmission tools  
Relevant safety equipment  
Tap and die set  
Torque wrenches  
Transmission/oil cooler flushing equipment  
Transmission jack  
Transmission stand/table (Optional)  
Transmission rebuild area  
Trolley jack  
Vacuum gauge



## **Tyre Specialist**

Access to relevant WoF information Adequate fire extinguisher  
Air compressor Approved first aid kit Axle stands  
Buffer Garage jacks  
Pneumatic platform hoist Puncture repair equipment Rubber hammer  
Relevant Safety equipment Torque wrench  
Proof of access to a Scan tool - steering angle sensor

Tubeless repair kit  
Tyre bead shock hammer  
Tyre changer suitable for run flat/low profile tyres  
Tyre inflation charts Tyre lever  
Tyre pressure gauges  
Tyre safety cage (for businesses servicing split rim wheels)  
Tyre spreader Valve tools Water bath Wheel balance  
Work bench and vice

## **Windscreen Specialist**

Adequate fire extinguisher  
Adequate range of hand tools  
Approved first aid kit  
Bonnet/guard covers  
Cleaning solvent/rags  
Corking gun  
Glass cutter and pliers  
Moulding and clip removal tools  
Relevant Glazing Rule & Repair Standards

Ruler and marker pens  
Safety goggles and gloves  
Sealer/urethane screen cutters (Cold cut knife or piano wire)  
2 Swivel head Josters/suckers  
Undercoat paint brushes  
Vacuum cleaner  
Windscreen stand