

VTAA Tools and Equipment List

- 5 pictures laminated and labelled A – E
- 5 wires, labelled A-E, laid out on workbench
- Additional wiring/harness to create a temporary harness to check continuity of the wiring
- Brake fluid tester (either equipment that registers the exact boiling point or a red/amber/green brake fluid tester)
- Brake pipe corrosion tool
- Brake pipe flaring kit in packaging (opened and fully stocked)
- Circuit diagram for the vehicle/circuit
- Cleaning cloth and absorbent materials
- Clipboard
- Colour highlighters
- Container to accept fuel
- Dial Test Indicator gauge and mounts to check the run out
- Exhaust extraction system securely fitted to exhaust tailpipe
- Exhaust Gas analyser with print out facility
- Fault code reader with correct software to communicate
- Grease/oil
- Ignition, spark neon or LED light tester to measure HT voltage
- Inspection lamp
- LED test lamp/circuit tester
- Manufacturer of equipment instructions/specs
- Micrometer to measure the thickness of the disc
- Multimeter
 - digital
 - with duty cycle/injector duration
 - including amps clamp
 - with DC volts
- Oscilloscope (with the correct set up according to the waveform/signal voltage where applicable)
- Petrol or diesel engine vehicle
- PPE

- Roll of copper brake pipe 3/8
- Scan tool with correct software to vehicle Engine Management system to allow access to/be restricted to live data (connected to engine with data list selected where appropriate)
- Selection of hand tools to suit task
- Selection of lever bars suitable to achieve outcome of task
- Supply of brake pipe unions to suit brake pipe (internal/external)
- Tape measure
- Technician marking sheet
- Torque wrench (selection of)
- Two physical wheel / tyre assemblies
- Various electrical connector / test leads
- Vehicle Information - Component location(s)
- Vehicle Information - Electrical wiring diagram
- Vehicle workshop manual (electrical wiring diagram + fuse location)
- Vice fitted securely to the workbench that allows caliper / disc assembly to be held securely (if applicable)
- Well-lit area of the workshop
- Workbench