

## CLD70 Cylinder Leak Down Tester.

The CLD70 Cylinder Leak Down Tester when performed in conjunction with an Electronic Stethoscope is a conclusive analytical tool to detect burnt valves, worn or broken rings, leaking cylinder head gasket, cracked cylinder block or head.

### OPERATION

- *Ensure vehicle is in park or neutral with ignition "off" and apply handbrake.*
- *Remove radiator cap and air cleaner.*
- *Remove spark plugs & manually turn cylinder to be tested to Top Dead Centre (compression stroke).*
- *Disconnect spark plug adaptor hose from tester and hand tighten adaptor hose into spark plug hole*
- *Turn tester regulator knob counterwise*
- *Connect shop air supply to tester. Turn tester regulator knob clockwise until the gauge pointer is at the "set" mark.*
- *Connect tester to spark plug adaptor. Tester gauge will now read percentage of leak down occurring in cylinder. Readings for each cylinder should be noted and compared after test.*

### Listen for leakage at the following places with a mechanic's or electronic stethoscope

- *Adjacent cylinders sparkplug hole. Leakage, air hiss, heard here may be a blown head gasket between cylinders or it may be leakage heard through an open valve.*
- *Exhaust pipe. May indicate a burnt or stuck exhaust valve.*
- *Carburetor or throttle body. May indicate a bent or stuck intake valve.*
- *Oil filler or dipstick hole. May indicate broken rings or a damaged piston.*
- *Radiator filler cap. Bubbles here will indicate a leaking head gasket or cracked head.*

*Warning: Wear Eye Protection and keep engine compartment free from clothing, tools etc as engine rotation may occur.*

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