

ATS | **AUTOMOTIVE**
Test Solutions

BULLSEYE[®]

Leak Detector Patent Pending

*Combustion gas in cooling system
(Head Gasket Leaks)*

Quick Start Guide

BULLSEYE Combustion Gas in Cooling System Quick Start Guide



CO₂ Sensor



Step 1. Remove safety glasses from kit and put them on in order to protect your eyes.

WARNING! Do not allow coolant or coolant vapor to get on CO₂ sensor at end of yellow flex tube! This will damage CO₂ sensor and will require the CO₂ sensor to be replaced. Do not hold probe over radiator neck or coolant neck bottle while engine is running. This will allow coolant vapor to get on CO₂ sensing probe.

Note: Never directly hit or drop the leak detector on the CO₂ sensor tip, this will cause the sensor to become damaged!



Step 2. Remove electronic leak detector from kit and turn on unit, allow unit to warm up the CO₂ sensor tip. When unit is ready the red light will shut off and the green ready light will turn on, this will take about 90 seconds. For best results the leak detector CO₂ sensor should be allowed to fully warm up for about 5 minutes.

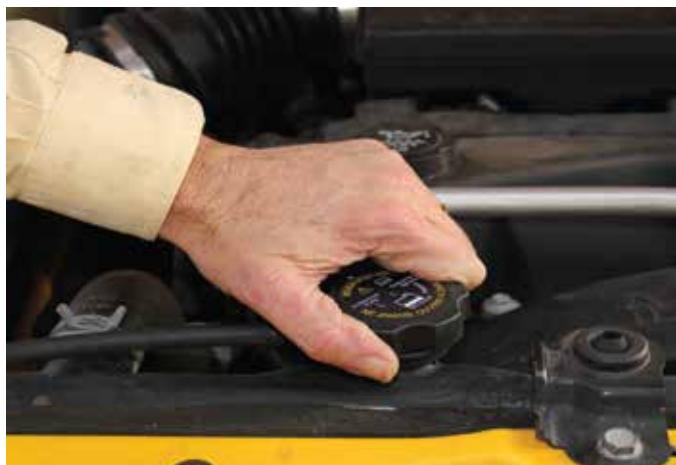
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Step 3. Start and run engine for 1-2 minutes with several snap throttles during run time.



Step 4. Turn off engine and let set for 1-2 minutes.



Step 5. Remove sealing cap (radiator cap or coolant bottle cap) to gain access into cooling system.



Step 6. Make sure coolant is 1-2 inches below top of radiator neck or coolant bottle neck.

WARNING

Never allow sensor tip to touch engine coolant. Coolant will damage the tip. Never test cooling system with engine running. Only check cooling system when engine is cold. Never hit or drop the leak detector sensor.

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Step 8. Position Bullseye Leak Detector probe over radiator neck or coolant neck bottle for 1 to 2 minutes.



Step 9. When CO₂ gas is detected the LED display bar is activated along with the audio alert (loud beeping noise). Once the detector has sensed CO₂ the alerts will continue for about 10 to 40 seconds; **Note:** Remove sensor from leak site area and let the unit stop beeping on its own. Once the detector has stopped beeping you can now retest the leak site area with the CO₂ detector.



Step 10. If CO₂ is detected in cooling system the audio and visual alert will be activated indicating combustion gas in cooling system.

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Re-Filling The BULLSEYE Distilled Water Wash Aerosol Bottle



1. Depress Schrader valve and release any air pressure remaining in bottle.
2. Unscrew top counter clockwise from bottle.
3. Fill bottle with 8 oz. of distilled water maximum.
4. Make sure container top is securely tightened.
5. Pressurize container with 70-80 psi air pressure. **WARNING!** Do not exceed 90 PSI air pressure.
6. See warning label on back of distilled water wash can for additional instructions.

Note: Do not charge bottle with CO2 gas.