



**ATS** | **AUTOMOTIVE**  
Test Solutions

# **BULLSEYE**<sup>®</sup>

**Leak Detector** Patent Pending



***Tire & Wheel  
Quick Start Guide***



# BULLSEYE Tire & Wheel Quick Start Guide



**Note:** Never directly hit or drop the leak detector on the CO2 sensor tip, this will cause the sensor to become damaged! Do not get Leak Seeker Solution directly on the CO2 sensor tip!

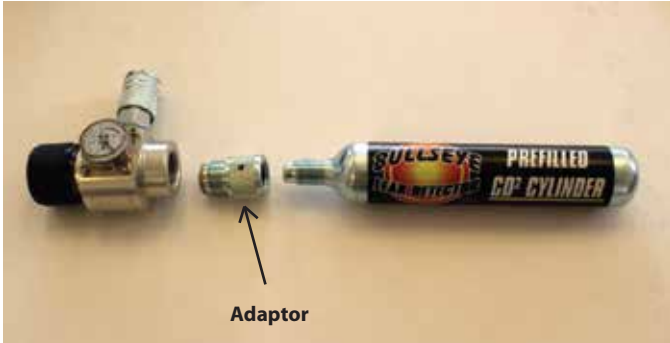


**Step 1.** Remove safety glasses from kit and put them on in order to protect your eyes.



**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.** The High Pressure Regulator has an adaptor that will allow a 90 gram CO2 canister to be used.



**Step 4.** The High Pressure regulator will screw directly on to a 24 oz. paint ball canister. These style canisters are available at Walmart & Sporting goods stores nationwide.



**Step 5.** You can also use an industrial Carbon Dioxide (CO2) gas bottle (Airgas part # CD FG5) or equivalent. When using an industrial style bottle you will use the special blue adaptor to connect the ATS high pressure regulator to this style bottle. Adaptor is included in kit.



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**Step 6.** Remove high pressure regulator with adaptor from kit and screw CO2 cylinder to high pressure regulator. **Note: Due to the volume in tires it will be better to use a larger 24oz paint ball container this is available at all department or sporting good stores stocking paint ball supplies.**



**Step 7.** Adjust the high pressure regulator by turning the knob on top clockwise until the gauge on the front of the regulator reads 80 PSI.



**Step 8.** Let the air out of tire.



**Step 9.** Fill the tire using an air chuck (not included) with CO2 and pressurize the tire to the correct pressure shown on the tire side wall.

# BULLSEYE Tire & Wheel Quick Start Guide



**Step 11.** Using the electronic leak detector go around the Tire and wheel to identify the leak site area. While moving the CO2 probe tip around the system it is best to keep the CO2 sensor face perpendicular to the surface being tested.

**Note:** If tip is bumped against the surface being tested the detector may momentarily go off, this false alert will go off right away. If the leak detector senses CO2 gas the alert will stay on for 10 to 40 seconds.



**Step 12.** 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 13.** Once the area of the leak site is identified, take the Bullseye Leak Seeker Solution and **shake it well**, take the red tube off the can side and install it in the discharge nozzle. Now aim the red discharge tube at the leak site area and apply the leak seeker foam over the area. Note: if all the foam changes from a pinkish red color to a yellow color right away, wash the area with the Bullseye distilled water wash thoroughly. Then reapply the Bullseye Leak Seeker Solution foam. **Note:** The consistency of the foam can be controlled by how much the can has been shaken; less shaken will result in a liquid consistency, and more shaken will result in a foam consistency.



**Step 14.** The Bullseye Leak Seeker Solution foam will turn from pinkish red to yellow in color at the leak site and may also bubble. This will make it very easy to identify the exact location of the leak site.

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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.**

