



## Smoke Wizard

9 of the Top 10\* Check Engine DTCs can be diagnosed with a Smoke Wizard

**High Quality. More Features. Low Price.**

**Smoke Wizard™**  
Part Number GLD-40



Accessories Included: Combo light, Assorted Cap-Plug Set, Exhaust Cone Adapter, Schrader Tool, EVAP Service Port Adapter and Smoke Diffuser

## Overview

Global Leak Detection (Global) is one of the oldest and most experienced companies supplying smoke machines for leak detection to the OEM market, including companies like Audi, KIA, Mazda, Porsche, VW and others. The smoke machines supplied to these automakers have been with the K-line brand of smoke machines. Now, for the first time, Global introduces a smoke machine for the aftermarket - the Smoke Wizard.

## Features

- Monitor and Detect .010" Standard Like Chrysler Does
- Test Natural Vacuum EVAP Systems
- Easy to Read Flow Control Knob Position
- Vacuum and Pressure Decay Gauge
- Auto Shut Off Safety Solenoid
- Internal Filter/ Water Separator
- Stores in Your Tool Box on its Back Like No Other
- Find Leaks Using Smoke and UV Dye

## Leak Detection Innovation

Smoke Wizard™ is a new generation automotive diagnostic smoke machine combining pressure and vacuum style Evaporative Emission (EVAP) System leak detection capabilities, and general purpose leak detector functions together in a compact design that stores in your tool box, on its back, like no other.

Using new generation technology, Pressure and Vacuum EVAP monitor and testing is now possible with one diagnostic smoke leak detector. Monitor EVAP System pressure or vacuum while comparing to Fuel Tank Pressure Sensor scan data to provide even quicker and more accurate diagnosis. Pressure decay or Vacuum decay test to verify system integrity.

Smoke test with OEM EVAP Approved UltraTraceUV® dye smoke solution (the smoke that won't stink!) to find the leak when the smoke is gone or when the leak(s) may be hidden and disassembly is required to pinpoint the exact leak location.

The Smoke Wizard's internal filter protects its components and the vehicle when using shop air as the pressure source. Perfect for safer EVAP testing, the optional Inert Gas Pack provides a clean and dry pressure source for a pure OEM EVAP Approved leak test.

\* Analysis of 2008 CA Smog Check data

## Contents of the Smoke Wizard Package

- Smoke Wizard
- Operator's Manual
- OBD-II Service Port Fitting and Schrader Valve Removal Tool
- Cap Plugs Kit
- Smoke Diffuser
- Exhaust Cone Adapter
- Combination Light (white LED and UV in one light) w/ batteries & UV Glasses
- UltraTraceUV® Smoke Producing Solution

## Included with the Smoke Wizard

**UltraTraceUV®;** (GLD0712UV) this patented solution is the only Automaker-approved smoke-producing solution in the world. The solution's chemistry contains a special dye that deposits at the exact location of a leak. Will not harm automotive systems and will perform approximately 300 tests. (12 oz. / 355 ml).



**Cap Plugs Kit:** (GLD005) these cap plugs are useful when sealing an intake manifold system in order to contain the smoke in the system for proper leak testing, such as mass airflow sensor ducting, etc.



**Smoke Diffuser:** (GLD006) this adapter is designed to locate leaks around doors, windows, sunroofs and trunk compartment. The adapter allows the operator to lay down a thick bed of smoke (from outside the vehicle) along door and window seams in order to watch for disturbance caused by escaping airflow due to a leaking seal. Internal pressure is created by vehicle's HVAC set to fresh air (i.e. not recirculation) and blower fan on high speed.



**Adapter Cone:** (GLD007) for introducing smoke into the exhaust system or into any orifice that accommodates the cone's size, such as the induction system.



**Combination Light:** (GLD032) turn it on and it delivers a white light, for easier smoke location. Click it again and it delivers an ultraviolet (UV) light that highlights the fluorescent dye deposited at the exact location of a leak.



**EVAP Service Port Adaptor – standard size:** (GLD003)



**Schrader Valve Removal Tool:** (GLD004)

The Schrader valve has a *left-hand* thread. **Turn clockwise to remove!**



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