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AutoLine Pro SS

AutoLine Pro EVAP High Volume Smoke Machine Leak Tester

SHOP SERIES USER MANUAL

Introduction

Thank you for choosing the AutoLine Pro EVAP High Volume Smoke Machine Leak Tester. This device is engineered to provide precise and efficient detection of leaks in various automotive systems, including EVAP, vacuum, intake, cooling, and exhaust systems. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your smoke machine.

Safety Information

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, serious injury, or damage to the vehicle.

- Always operate the smoke machine in a well-ventilated area.
- Avoid direct contact with the smoke fluid. In case of contact, wash thoroughly with soap and water.
- Do not inhale the smoke directly. While the fluid is OEM approved, prolonged exposure to concentrated smoke should be avoided.
- Ensure all connections are secure before operation to prevent accidental disconnections.
- Disconnect power and air supply when the machine is not in use or during maintenance.
- Keep the device away from open flames or high heat sources.
- Use only the specified smoke fluid or OEM-approved alternatives. Using improper fluids may damage the machine or vehicle systems.
- The machine operates at a safe 1 PSI pressure. Do not attempt to modify the pressure regulator.

What's Included

Your AutoLine Pro EVAP High Volume Smoke Machine Leak Tester package includes the following components:



Image: The AutoLine Pro EVAP Smoke Machine, smoke fluid bottle, power cables, smoke hose, universal nozzle, and a 10 AMP ATC power fuse.

- Shop Series Machine (Main Unit)
- Smoke Fluid [8 OZ]
- Smoke Hose [7 FT]
- Power Cable [10 FT]
- Universal Nozzle
- 10 AMP ATC Power Fuse (Spare)
- User Manual & Instructions (This document)

Setup

Follow these steps to prepare your smoke machine for operation:

1. **1. Fill with Smoke Fluid:**



Image: A hand pouring AutoLine Pro smoke fluid into the machine's reservoir.

Unscrew the cap of the smoke fluid reservoir on the machine. Carefully pour the included OEM Approved Smoke Fluid into the reservoir. Do not overfill. The included 8 oz bottle provides ample fluid for multiple tests.

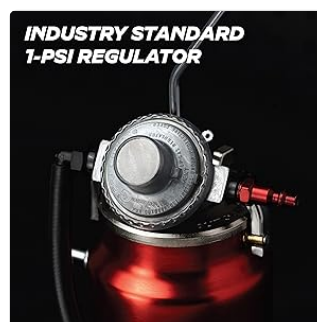


Image: A close-up of the AutoLine Pro smoke fluid bottle, highlighting its OEM Approved status.

2. 2. Connect Air Supply:

INDUSTRY STANDARD 1-PSI REGULATOR



Image: The smoke machine with an air compressor hose connected to its inlet and power cables attached.

Connect your air compressor or pump to the air inlet on the smoke machine. Any size and type of air compressor will work. Ensure the connection is secure.

3. 3. Connect Power:

Attach the power cables to a 12V car battery. The red clamp connects to the positive (+) terminal, and the black clamp connects to the negative (-) terminal. The machine is designed for safe operation with vehicle electrical systems.

Operating Instructions

Once set up, your AutoLine Pro smoke machine is ready for leak detection:

1. 1. Prepare the System for Testing:

Identify the system you wish to test (e.g., EVAP, vacuum, intake). Locate an appropriate access point, such as a vacuum line, EVAP port, or intake manifold opening. Ensure the system is sealed as much as possible to contain the smoke.

2. 2. Insert Universal Nozzle:



Image: A detailed view of the red universal smoke nozzle, showing its tapered design.

Attach the universal smoke nozzle to the end of the smoke hose. The tapered design of the nozzle fits into virtually all hoses and lines, providing a secure connection for smoke injection.

3. Start Smoke Diagnostics:

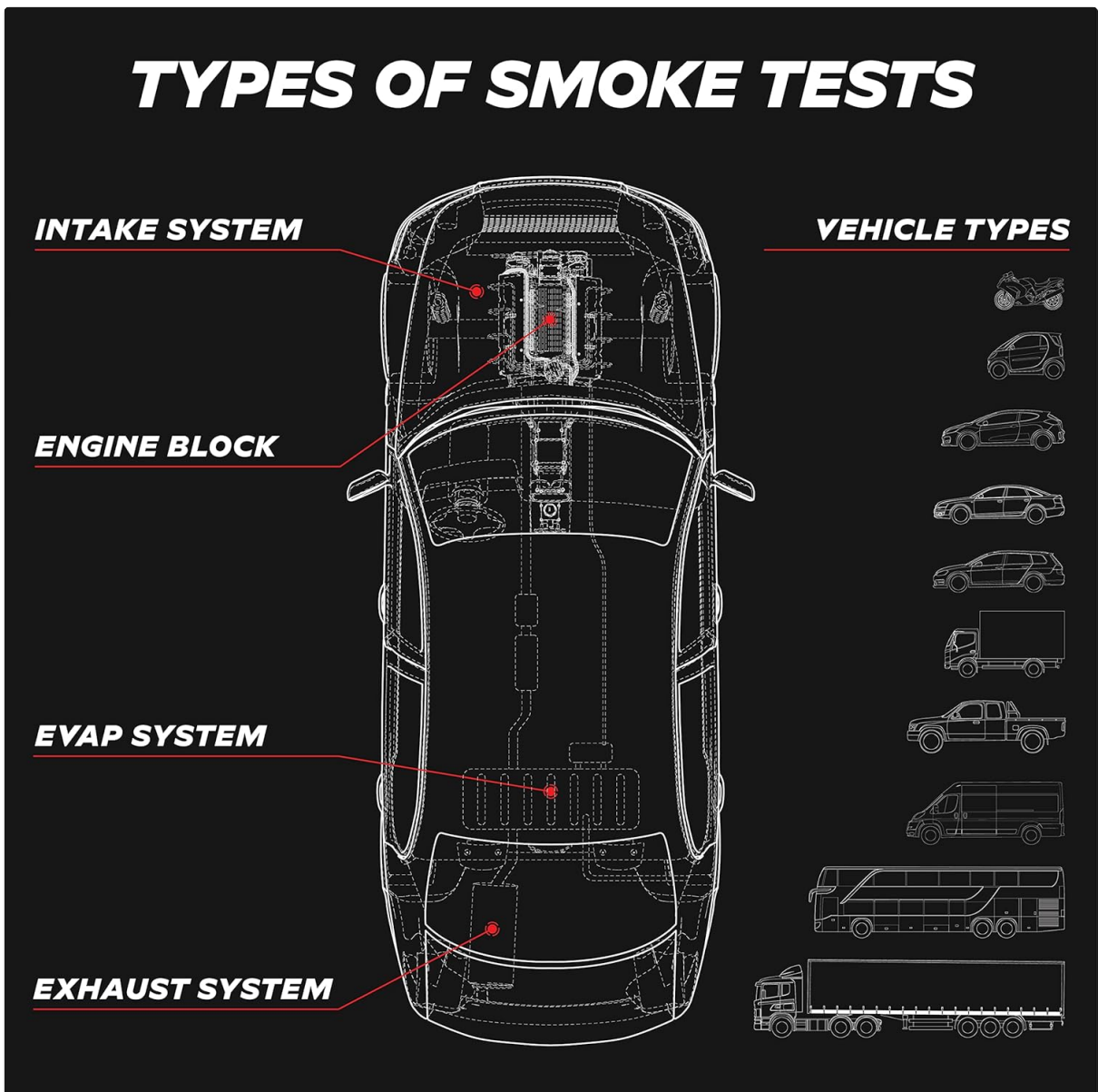


Image: A stream of white smoke being emitted from the red universal nozzle, demonstrating the machine's output.

With power and air connected, the machine will begin to produce smoke. Inject the smoke into the system you are testing. The machine is designed to produce 1.5 hours of non-stop smoke per use.

4. Identify Leaks:



Image: An overhead diagram of a car highlighting areas for smoke tests, including intake system, engine block, EVAP system, and exhaust system, along with various vehicle types.

Observe for smoke escaping from any part of the system. Common leak points include worn rubber, gaskets, seals, and connectors. The thick smoke output helps detect even the smallest leaks.



WHAT'S INCLUDED

- SHOP SERIES MACHINE
- SMOKE FLUID [8 OZ]
- SMOKE HOSE [7 FT]
- POWER CABLE [10 FT]
- UNIVERSAL NOZZLE
- 10 AMP ATC POWER FUSE
- USER MANUAL & INSTRUCTIONS

Image: A close-up of the industry-standard 1-PSI regulator on top of the smoke machine, with text indicating it protects systems from high-pressure damage.

The built-in 1-PSI regulator ensures the pressure is safe for all vehicle systems, preventing damage during testing.

Maintenance

Proper maintenance will ensure the longevity and optimal performance of your AutoLine Pro smoke machine:

- **Fluid Level:** Regularly check the smoke fluid level. Refill as needed with AutoLine Pro smoke fluid or other OEM-approved smoke fluids. Do not allow the reservoir to run dry during operation.
- **Cleaning:** After each use, wipe down the exterior of the machine with a clean, dry cloth. Ensure no smoke fluid residue is left on external components.
- **Storage:** Store the smoke machine in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure all fluid is securely capped and hoses are disconnected.
- **Fuse Replacement:** If the machine fails to power on, check the 10 AMP ATC power fuse. Replace it with the included spare fuse if necessary.

Troubleshooting

Here are solutions to common issues you might encounter:

| Problem | Possible Cause | Solution |
|-----------------------------|---|--|
| No smoke output | Low or no smoke fluid; No air supply; No power; Clogged nozzle/hose; Faulty ceramic coil. | Check fluid level and refill; Ensure air compressor is connected and active; Verify power connections to 12V battery; Clear any obstructions in nozzle or hose; Contact support if coil is suspected faulty. |
| Low smoke volume | Insufficient air pressure; Low fluid level; Partially clogged system. | Increase air compressor output; Refill smoke fluid; Check for partial clogs in the hose or nozzle. |
| Machine not powering on | Loose power connections; Dead car battery; Blown fuse. | Ensure power clamps are securely attached to battery terminals; Check car battery voltage; Replace the 10 AMP ATC power fuse. |
| Smoke escaping from machine | Loose connections on machine; Damaged housing. | Tighten all connections on the machine; If housing is damaged, contact customer support. |

Specifications

| Feature | Detail |
|-----------------------|-----------------------------------|
| Brand | AutoLine Pro |
| Model | Shop Series (SS) |
| Power Source | 12V DC (Battery Powered) |
| Color | Red |
| Product Dimensions | 5"D x 5"W x 8"H |
| Item Weight | 3.12 Pounds |
| Smoke Output Duration | Up to 1.5 hours non-stop |
| Pressure Regulation | Industry Standard 1-PSI Regulator |
| UPC | 605620262830 |

Warranty and Support

AutoLine Pro stands behind the quality of its products:

- **Lifetime Warranty:** Your AutoLine Pro smoke machine is fully covered from all manufacturer and operational defects. We are committed to replacing your unit or parts quickly and hassle-free.
- **Customer Support:** We provide 24/7 customer support. If you have any questions, concerns, or require assistance, please do not hesitate to contact us.

For warranty claims or support, please refer to the contact information provided on the AutoLine Pro official

website or your purchase documentation.

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