



Smoke Leak Locator

User Manual

For Models: Pro S 25, Pro S 75, Pro S 500T, Pro S 600T, Pro S 1000HD

CERAMIHEAT®

Ceramic Heating Technology

www.proflex-plus.com

All models come with a User Manual, Quick Start Guide, Flashlight (batteries not included), Detachable Power Cables and Detachable Smoke/Air Hoses

Packing List for Pro S 25 and Pro S 75

- Main Unit x 1
- Detachable Air Chuck x 1 (Pro S 25 only)
- Cap Plugs (Varied sizes) x 17
- Cone+ Adaptor x 1
- EVAP Port Removal Tool x 1
- EVAP Port Adapter Hose x 1
- Bottle Oiler x 3
- Hook x 1

Packing List for Pro S 500T and Pro S 600T

- Main Unit x 1
- All-in-1 Bladder Blocker x 2
- Cap Stopples (Varied size) x 17
- Cone+ Adaptor x 1
- EVAP Valve Removal Tool x 1
- EVAP Port Adapter Hose x 1
- Bottle Oiler x 3

Packing List for Pro S 1000HD

- Main Unit x 1
- HD Bladder Blocker x 2
- Smoke wand x 1
- Stainless ring x 1
- Safety chain and Halo x 1
- Cooling system adaptors x 1 set
- Bottle Oiler x 3

Model # PRO S-25 “ELF” and Model # Pro S-75 “AIR”

- Fill the reservoir with mineral or baby oil provided. Use only 1 bottle of oil provided. Check oil level monitor window. The oil level should never exceed the maximum line. **DO NOT OVERFILL.**
- Attach the air chuck connector (Pro S 25 only), Smoke Hose and Detachable Power Cables found in the accessory case
- Attach shop air to the Pro S 25. The Pro S 75 has a built-in chuck
- Connect power cables to a fully charged 12V vehicle battery. **Do not attach to a battery charger or any other power source.**
- Close the airflow dial on the airflow meter.
- Start the unit by pushing the **red** button on the front panel. A 5-minute working cycle will begin.
- Open the airflow dial on the airflow meter. You can control the amount of smoke by opening or closing the airflow dial on front.
- Within 1 minute smoke will appear. Unit is now ready to use for diagnostic purposes.

Note: Pressing the red button again within a working cycle will stop the smoke mode and revert to the air mode immediately. (There can be some smoke residue in the hose).

DIAGNOSTIC OPTIONS

- **EVAP SYSTEM:**
- Inject system with air only to confirm there is a leak. (run air leak decay test)
- Locate EVAP access port (Green cap in engine compartment)
- Remove EVAP valve (tool supplied and note thread is left hand)
- Attach EVAP hose provided.
- Pressure gauge should go up close to the black mark.
- Turn airflow to off position
- If the pressure needle does not fall, you have no leak.
- If the pressure needle does fall, you still have a leak. Repeat the process.

Model Pro S 500T “TURBO”

- Fill the reservoir to full level with baby oil provided. See back of unit for fill level. **Do not over fill.**
- Attach power cables and Air/Smoke Hose to the ***Smoke Monster***
- Attach shop air to the ***Smoke Monster***
- Attach power cables to a fully charged vehicle battery. **Do not attach to a battery charger.**
- Power up the unit using the **RED** power switch on the side.
- Start the unit operation by pushing the **GREEN** “on” button on the front.
- Push the **AIR** button on front and open the airflow dial.
- Place your thumb over the airflow brass nozzle at the end of the hose. The pressure gauge should move close to the black mark. (15” of water column pressure).
- Turn the unit **OFF** using the **RED** button on the front
- Turn the unit **ON** again using the **GREEN** “on” button on the front.
- Press the **SMOKE** button on the front. Smoke should begin coming out the nozzle in about 20 seconds.
- You can control the amount of smoke by opening or closing the airflow dial on front.
- Unit is now ready to use for diagnostic purposes.
- Press the **RED** button on the front to enable **Turbo Mode** and Press again anytime to disable it.

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DIAGNOSTIC OPTIONS

EVAP SYSTEM:

- Inject the system with air only to confirm there is a leak. (run air leak decay test)
- Locate EVAP access port (Green cap in engine compartment)
- Remove the EVAP valve (tool supplied and note thread is left hand)
- Attach EVAP hose provided.
- Pressure gauge should go up close to the black mark.
- Turn airflow to off position
- If the pressure needle does not fall, you have no leak.
- If the pressure needle does fall, you have a leak and need to find it using the smoke.

TURBO SYSTEM:

- Inject the system with air only to confirm there is a leak. (run air leak decay test)
- Locate vehicle turbo system.
- Seal the turbo system opening with the All-in-1 Bladder Blocker, use one Bladder Blocker as a lead and another as a block-off.
- Press the **RED** button on front of the machine to enable Turbo Mode.
- Pressure gauge should drop to zero.
- If the flow meter fall to zero, you have NO leak.
- If the flow meter does not fall, you have a leak and need to find it using the smoke.

Model Pro S 600T “TURBO”

OPERATING IN REGULAR / EVAP MODE

- Fill the reservoir to full level with baby oil provided. See back of unit for fill level **Do not over fill!**
- Attach the Power Cables and Air/Smoke Hose to the Smoke Monster Turbo
- Attach power cables to a **fully charged** vehicle battery. **Do not attach to a battery charger!**
- Machine will be powered up once power supply connected, and rocker switch is in the “ON” position. (rocker switch will be illuminated)
- Once unit is powered up, the 2 LEDs will blink for a few seconds.
- After the led lights finish blinking, they will turn off, and the unit will be in EVAP air mode.
- By pushing the “Smoke Mode” button, the LED light will be lit, and unit is ready to start 5-minute smoke cycle.
- Find the leaks and make necessary repairs.

OPERATING IN AIR LEAK DECAY MODE (both EVAP & TURBO)

- Switch unit back to “Air Mode” and start pressurizing the vehicle
- Once vehicle is pressurized, turn the rocker switch to the “OFF” position and see if the pressure holds then the leak has been repaired. If the gauge drops and the ball in the flow meter rises, this means you have a leak and you will need to re-smoke the vehicle.

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OPERATING IN TURBO MODE

- Turn the rocker switch to the “ON” position
- Press and Hold the “Turbo Button” for 3 seconds, the LED light will blink for 5 seconds. This function is to prepare / switch the unit to “Turbo Mode”.
- By pushing the “Smoke Mode” button, the LED light will be lit, and unit is ready to start 5-minute smoke cycle. (use the Bladder Blocker(s) provided inside the accessory case) to block the turbo both single or dual turbos
- Find the leaks and make necessary repairs.
- To check for Air Leak Decay, see above instructions.

Model # PRO S-1000HD “HEAVY DUTY”

- Fill the reservoir with baby/mineral oil provided. See back of unit for fill level, the oil level shall be between the minimum level and the maximum level. **Do not over fill.**
- Attach the air chuck connector found in the accessory case
- Attach power cables to the **Smoke Monster**
- Attach Air/Smoke hose to the **Smoke Monster**
- Attach shop air to the **Smoke Monster**.
- Attach power cables to a fully charged 12V or 24V vehicle battery. **Do not attach to a battery charger.**
- Power up the HD unit using the **red** power switch on the side.
- Close the airflow dial on the airflow meter.
- Select working mode (air mode or smoke mode) on the front, when selected, the LED next to it will be on.
- Start the unit operation by pushing the **green** “on” button on the front, it will start for a 10-minute working cycle.
- Adjust the test pressure dial on front, the left side gauge will indicate the pressure reading.
- You can control the amount of smoke by opening or closing the airflow dial on front.
- Unit is now ready to use for diagnostic purposes.

Note:

- Turn the unit off using the **red** “off” button on the front.
- Turn the unit on using the **green** “on” button on the front.
- Air/Smoke mode could be switched during working cycle.
- Press the **red** “off” button during working cycle will turn the unit OFF immediately.

Unit is not applicable for EVAP SYSTEMS !

Customer Service

If you have any questions on the operation of the unit, please contact **PROFLEX+** by refer to its website <http://www.proflex-plus.com>

If your unit requires repair service, return it to the manufacturer with a copy of the sales receipt and a note describing the problem. Or describe the problem by calling **1-(888) 401-3830**, or info@proflex-plus.com if the unit is determined to be in warranty, it will be repaired or replaced at no charge. If the unit is determined to be out of warranty, it will be repaired for a nominal service charge plus return freight.

General Notice

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There is a possibility that this unit is inapplicable to some of the vehicle models or systems listed in the diagnosis section due to different countries, areas, and/or years. Do not hesitate to contact **PROFLEX+** if you come across such questions. We are to help you solve the problem as soon as possible

Disclaimer

To take full advantage of the unit, you should be familiar with the engine.

All information, illustrations, and specifications contained in this manual are based on the latest information available at the time of publication. The right is reserved to make change at any time without notice.

Please note that PROFLEX+ Distribution Inc. is **NOT responsible for any damages caused by the user's neglect to switch the **Smoke Monster Turbo** from "TURBO MODE" back to "CAR MODE" when diagnosing non-turbo engines.**

The "TURBO MODE" is **ONLY to be used on testing turbocharged engines. For all other engines the Smoke Monster Turbo must be set to "CAR MODE".**

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WARRANTY RECORD

Brand Name: SMOKE MONSTER

Model # _____

Serial # _____

Date of Purchase: _____

Dealer of Purchase: _____

Company Name: _____

Address: _____

Contact Name: _____

E-Mail, Phone: _____

THANK YOU FOR PURCHASING THIS PROFLEX+ PRODUCT

For warranty repair or return in U.S.A

**Ballin International
c/o Proflex+ Distribution Inc.
63 Lawrence Paquette Drive
Champlain, New York
12919**

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**Proflex+ Distribution Inc
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Montreal, Quebec, Canada
H9B 2N4**

**A return authorization number (RMA#) must be obtained before
returning any merchandise under warranty**