



*smoke  
monster*<sup>®</sup>  
by PROFLEX+

Smoke Leak Locator

## User Manual

For Models: Pro S 25, Pro S 75, Pro S 600T and Pro S2000HD

[www.proflex-plus.com](http://www.proflex-plus.com)

**All models come with a User Manual, Quick Start Guide, Flashlight (batteries not included), Detachable Power Cable and Detachable Smoke/Air Hose.**

### **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 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 2000HD**

- Main Unit x 1
- HD Bladder Blocker x 2
- Smoke wand 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 Jr.”

- 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 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.

**Continued on next page**

## **OPERATING IN TURBO MODE - Model Pro S 600T “TURBO”**

- 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.

# PRO S-2000HD “HEAVY DUTY”

## QUICK START GUIDE

1. 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.**
2. Attach the air chuck connector found in the accessory case.
3. Attach power cables to the ***Smoke Monster® Pro-S 2000HD.***
4. Attach Air/Smoke hose to the ***Smoke Monster® Pro-S 2000HD.***
5. Attach shop air to the ***Smoke Monster® Pro-S 2000HD.***
6. Attach power cables to a fully charged 12V or 24V vehicle battery. **Do not attach to a battery charger.**
7. Power up the ***Smoke Monster® Pro-S 2000HD*** using the **red** power toggle switch on the front of unit.
8. The unit is in “Air Mode” until you select the “Smoke Mode”.
9. Start the smoke mode operation by pushing the chrome “on” button on the front, the **red** LED light indicator should be on. This will start the Smoke Mode for a 10-minute working cycle.

**NOTE: DO NOT EXCEED 20 PSI IN “SMOKE MODE”!!!!**

10. Adjust the test pressure using the large dial between the gauges, the top gauge will indicate the pressure reading.
11. You can control the amount of smoke by opening or closing the airflow by turning the small knob (left or right) on the flowmeter.
12. Depending on the test you want to perform use the necessary accessories that come with the unit inside the accessory box (HD Bladder Blocker or Radiator Kit).
13. Unit is now ready to use for diagnostic purposes.

**Continued on next page**

### **LEAK DECAY TESTING**

1. Make sure that the **RED** LED light indicator is off (not lit).
2. In “Air Mode” using the air/smoke hose pressurize the “fixed” system until it is properly filled with air and desired PSI needed.
3. Turn **RED** rocker switch to “off” and check gauge to see if the pressure is falling, and the ball in the flow meter is rising. If this happens, you still have a leak in the system. You will need to re-smoke the system to find another leak.
4. If the pressure is holding, the leak is fixed.

**Unit is not applicable for EVAP SYSTEMS!**

## • **Customer Service**

- If you have any questions on the operation of the unit, please contact
- **PROFLEX+ Distribution Inc.** 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](mailto: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 returnfreight.

## • **General Notice**

- Other product names used herein are for identification purposes only and may be trademarks of their respective owners. **PROFLEX+** disclaims any and all rights in those marks.
- 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".



## Trademark Information

**PROFLEX+®**, **Smoke Monster®** and **CeramiHeat®** are registered trademarks of **PROFLEX+ Distribution Inc.** (*referred as PROFLEX+*) in Canada and other countries. All other **PROFLEX+** trademarks, service marks, domain names, logos, and company names referred to in this manual are either trademarks, registered trademarks, service marks, domain names, logos, company names of or are otherwise the property of **PROFLEX+** or its affiliates. In countries where any of the **PROFLEX+** trademarks, service marks, domain names, logos and company names are not registered, **PROFLEX+** claims other rights associated with unregistered trademarks, service marks, domain names, logos, and company names. Other products or company names referred to in this manual may be trademarks of their respective owners. You may not use any trademark, service mark, domain name, logo, or company name of **PROFLEX+** or any third party without permission from the owner of the applicable trademark, service mark, domain name, logo, or company name.

## Copyright Information

Copyright © 2012 by **PROFLEX+ Distribution Inc.** (*referred as PROFLEX+*) All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of **PROFLEX+**. The information contained herein is designed only for the use of this unit. **PROFLEX+** is not responsible for any use of this information as applied to other units. Neither **PROFLEX+** nor its affiliates shall be liable to the purchaser of this unit or third parties for damages, losses, costs, or expenses incurred by purchaser or third parties as a result of: accident, misuse, or abuse of this unit, or unauthorized modifications, repairs, or alterations to this unit, or failure to strictly comply with **PROFLEX+** operating and maintenance instructions.

**PROFLEX+** shall not be liable for any damages or problems arising from the use of any options or any consumable products other than those designated as Original **PROFLEX+** Products or **PROFLEX+** Approved Products.

## **Warranty**

General Warranty for PROFLEX+ Products: THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE NEW **PROFLEX+** PRODUCTS FOR PURPOSES OF RESALE OR USE AS PER ABOVE INSTRUCTIONS AND IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS. ONLY GENUINE PRODUCTS ARE COVERED.

**PROFLEX+** electronic products are warranted against defects in materials and workmanship for 1 year from date of delivery to the user. This limited warranty is based on normal and reasonable use of the product and does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. It also does not cover damage caused by transporting, dropping, negligence or improper care. The exclusive remedy for any product found to be defective is repair or replacement, at **PROFLEX+** option, and **PROFLEX+** shall not be liable for any consequential or incidental damages. Final determination of defects shall be made by **PROFLEX+** in accordance with procedures established by **PROFLEX+**. If the product is no longer available, **PROFLEX+** may substitute a comparable PROFLEX+ product. No agent, employee, or representative of **PROFLEX+** has any authority to bind **PROFLEX+** to any affirmation, representation, or warranty concerning **PROFLEX+** products, except as stated herein.

To the extent permitted by applicable law, any implied warranties are hereby excluded. The warranties provided above are limited to the value of the product. If the product is no longer available, **PROFLEX+** may substitute a comparable **PROFLEX+** product.

The above warranties are intended to give you specific legal rights. In addition to the rights described herein, you may also have other rights that vary from province/state to province/state or country to country with respect to the exclusion or application of implied warranties, incidental and consequential damages and repair and replacement. Consequently, the limitations or exclusions specifically contained in this warranty may not be applicable to you.



## 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

# Having trouble?

Please do not contact your retailer or point of purchase for troubleshooting or returns.

If you are encountering problems with your Smoke Monster please feel free to call our help line at

**1-888-401-3830 ext: 201.**

**Open from 9am to 5pm est.**

**We will help you diagnose the problem and get you on your way quickly and smoothly. If we can't resolve the problem we will give you return instructions and an RMA number.**

**Smoke machines returned without an RMA number will be refused**