



INSTRUCTIONS

#82244 Fuel Flow Check Tool

Thank you for choosing ZEX™ products; we are proud to be your manufacturer of choice. Please read this instruction sheet carefully before beginning installation, and also take a moment to review the included limited warranty information.



Description	Qty.	Description	Qty.
2.5 in. Precision Fuel Press. Ga. 0-15psi	1	Jet Holder Fitting	1
-6AN Swivel Gauge Adaptor	1	1/4NPT Female to 1/8NPT Male Fitting	1
-6AN Male to -6AN Male Adaptor	1	.043 Nitrous Jet	1
-6AN Male to -4AN Male Adaptor	1	.064 Nitrous Jet	1
1/8 to 1/4 NPT fitting	1	.083 Nitrous Jet	1
24" Hose, -3AN to -6AN ends	1	.125 Nitrous Jet	1
Instruction Manual	1		

Why our Fuel Flow Check Tool is better:

- Comes complete with all adapter fittings needed for setting fuel pressure on any plate or direct port nitrous system on the market
- Ultra-precision 2.5 in. fuel pressure gauge is accurate to +/- .5%
- Compatible with all manufacturer's nitrous systems



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Read This Pre-installation Guide Before Using !!!!!!!

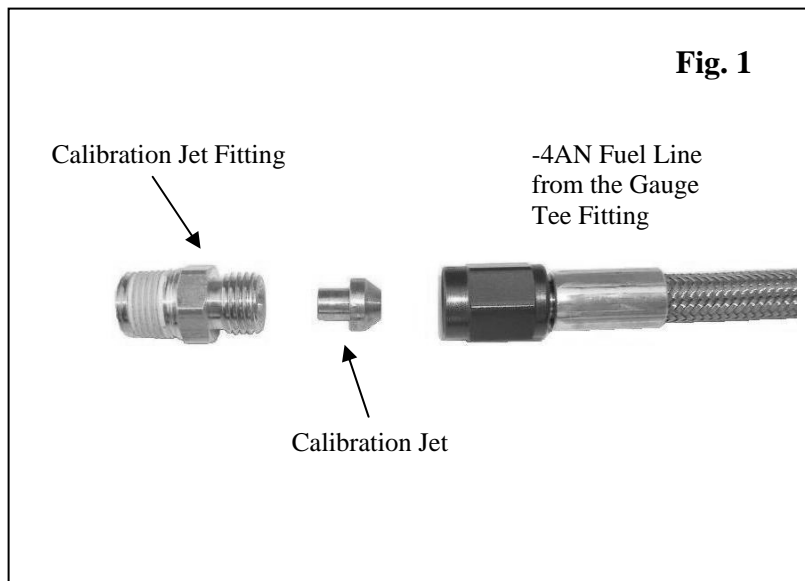
How the ZEX™ Fuel Flow Check Tool works: The ZEX™ Part #82244 Fuel Flow Check Tool is used to properly set flowing fuel pressure for any nitrous oxide injection system. Setting the fuel pressure on the nitrous system's fuel feed line is critical for engine power and safety. Since most carbureted engines use dead-head style fuel pressure regulators, they must have fuel flowing through them to accurately set the fuel pressure. Trying to set fuel pressure under static, non-flowing conditions will be very inaccurate. The ZEX™ Fuel Flow Check Tool includes calibration jets that simulate the nitrous system's fuel flow at various hp levels.

Work safely: WARNING!!!! Gasoline is VERY flammable, use extreme caution when using this tool. Always wear eye protection, remove all potential ignition sources, and avoid spilling fuel on a hot engine.

Do not use Teflon sealing tape on any fittings in the ZEX™ Fuel Flow Check Tool: It is easy for Teflon tape to get pulled into the system, causing blockages that can ultimately lead to incorrect fuel pressure settings. Only use liquid thread sealer for all NPT type fittings. Do not use any thread sealing compound on AN style threads.

Instructions:

- 1. Assemble:** Assemble the Fuel Flow Check Tool per the photo on the first page and select the adapter that fits your fuel system.



- 2. Select Calibration Jet:** Four calibration jets are included with the ZEX™ Flow Check Tool that matches the hp range you want to set your fuel pressure for. Select the correct jet from the chart and insert it into the calibration jet fitting, then tighten it into the -4AN fuel line from the gauge tee fitting (Fig. 1). For example, if you are going to be running a 275hp shot of nitrous, you would want to select the .064 jet, as it approximates the fuel flow for a nitrous system

jetted for 200-300hp. These calibration jets will give their rated flow range around 6psi, running higher or lower fuel pressures may require you to step down or step up a size of calibration jet to get accurate flowing fuel pressure readings.

Horsepower range you will be jetting your nitrous system for	Required Calibration Jet
100-200hp	.043
200-300hp	.064
300-400hp	.083
400hp and up	.125

3. **Attach Flow Check Tool:** Attach the Flow Check Tool to the outlet hose of your nitrous system's fuel feed line. To make this connection easier, -6AN and -4AN adapters have been supplied for your use. Remember, the fuel pressure must be measured before the point where fuel enters into the solenoid.
4. **Locate a Fuel Container:** Using an approved fuel container, collect the fuel that will flow out of the jet fitting hose while you are adjusting your fuel pressure regulator.
5. **Use Caution:** Gasoline is very flammable, use extreme caution while using this Flow Check Tool. Make sure any potential ignition sources are removed from the area when using this tool.
6. **Turn on Fuel Pump:** When you are ready to set your fuel pressure, turn on the fuel pump and adjust your fuel pressure regulator. Remember to work quickly, as the fuel will be flowing constantly out of the Flow Check Tool into your fuel container.
7. **Remove Flow Check Tool:** Once the fuel pressure has been set, remove the Flow Check Tool and pour the fuel that was collected while the fuel pump was on, back into your fuel tank or cell.
8. **Reconnect All Fuel Lines:** Remember to reconnect all fuel lines that have been removed while setting the fuel pressure.
9. **Final Inspection:** Once everything has been reconnected, power-up/pressurize the fuel system and inspect for any fuel leaks.

Limited Warranty

ZEX™ warrants that all of its products are free from defects in material and workmanship, and against excessive wear for a period of (1) one year from the date of purchase. This **limited warranty** shall cover the original purchaser.

ZEX's obligation under this warranty is limited to the repair or replacement of its product. To make a warranty claim, the part must be returned within (1) one year of purchase to the address listed below, freight prepaid. Items covered under warranty will be returned to you freight collect.

It is the responsibility of the installer to ensure that all of the components are correct before installation. We assume no liability for any errors made in tolerances, component selection, or installation.

There is absolutely no warranty on the following:

- A) Any parts used in racing applications;**
- B) Any product that has been physically altered, improperly installed or maintained;**
- C) Any product used in improper applications, abused, or not used in conjunction with the proper parts.**

There are no implied warranties of merchantability or fitness for a particular purpose. There are no warranties, which extend beyond the description of the face hereof. ZEX™ will not be responsible for incidental and consequential damages, property damage or personal injury damages to the extent permitted by law. Where required by law, implied warranties or merchantability and fitness are limited for a term of (1) one year from the date of original purchase.

This warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state.