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INSTRUCTION SHEET FOR TOOL #955

EFI FUEL PRESSURE GAUGE TOOL USE ON '01 TO PRESENT DELPHI EFI, INCLUDING V-ROD

This gauge is a must have tool, since all late model Harley Davidson motorcycles have Electronic Fuel injection. Use this tool to diagnose the following symptoms:

- Hesitation under acceleration
- Loss of power
- Back firing through the intake
- Poor fuel economy
- Stalling out
- Engine turns over but will not start.

These are just a few symptoms improper fuel system pressure may contribute to. This Fuel pressure gauge is easily installed in-line with the motorcycle's fuel supply system. All fuel testing needs to be performed with the engine running. Tool supplied with all necessary hose connections to do this test in about the same amount of time it takes to change a set of spark plugs.



PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	MAIN HOSES, VALVES & GAUGE ASSY	955-23
2	2	TANK CONNECTER ADAPTER	955-24
3	1	INSTRUCTION SHEET	955-IS

INSTRUCTIONS FOR FUEL PRESSURE GAUGE

Tools needed:

Clean gas can to catch the bleed off fuel.

Fire extinguisher capable of putting out a gas fire. H-D service manual or equivalent for year and model motorcycle you will be testing. If the fuel pressure is not within specifications, the manual will help guide you to diagnose and repair.

WARNING: *Gasoline is extremely explosive and highly flammable. Any explosion could result in death or serious injury. Do not smoke or have any flames anywhere around the use of this tool including gas fired water heaters. All spilled fuel needs to be removed immediately, or dealt with in a suitable manner. Always wear safety glasses over your eyes. If any fuel gets on any part of your body wash it off. To avoid any fuel that may be under pressure when removing fuel lines from the fuel tank, you must first purge (relieve fuel pressure).*

Important Note: The following instructions will cover the usage of this tool on Touring Models. Usage for other model Harleys is very similar with some connection variations and setup for testing. You must refer to H-D Service manual for year and model you're working on.

**NOTE: PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE PERFORMING ANY WORK!
IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT!
ALWAYS WEAR SAFETY GLASSES OR OTHER FACE AND EYE PROTECTION SUCH AS FULL
FACE SHIELD. JIMS® IS NOT RESPONSIBLE FOR DAMAGE OR INJURY, AND IS NOT
RESPONSIBLE FOR THE QUALITY AND SAFETY OF YOUR WORK.**

Performance Parts For Harley-Davidson Motorcycles

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Caution: After using this tool, you must drain all fuel from the tools fuel lines.

PURGING FUEL LINE

On Touring models locate and remove the 15-amp fuel pump fuse, located under the left side cover. **See Fig 1.** Start the engine, letting it idle until engine stalls. Try to restart the engine for 3 to 4 seconds. This will help remove fuel from the fuel lines.

INSTALLING THE PRESSURE GAUGE

Next remove the fuel supply line from the fuel tank. Do this by pushing up on the chrome outer sliding sleeve of the quick connect fuel tank fitting and at the same time gently pulling down on fuel line. **See Fig 2**

Caution: A small amount of fuel may drip from the end of fuel line tank connector fitting. Use a clean rag over the fittings to catch any small amounts of fuel that may still be inside the line. Leave the fuel pump fuse removed.

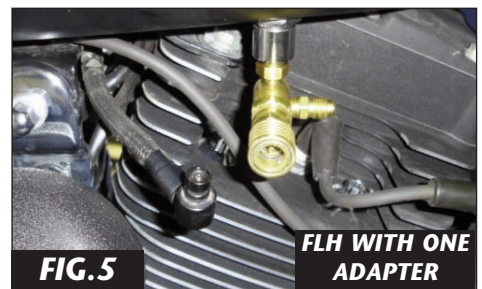
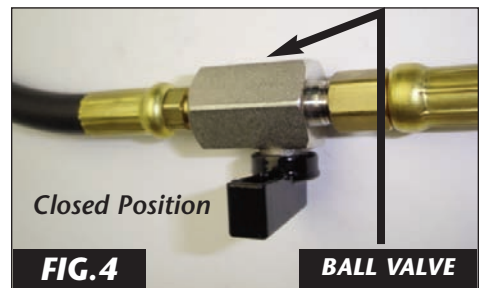
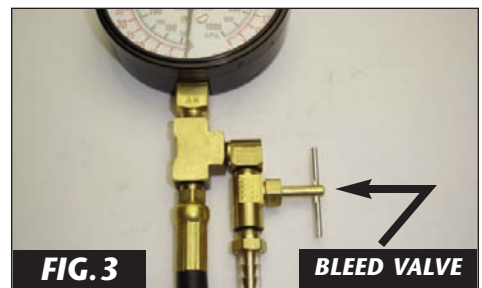
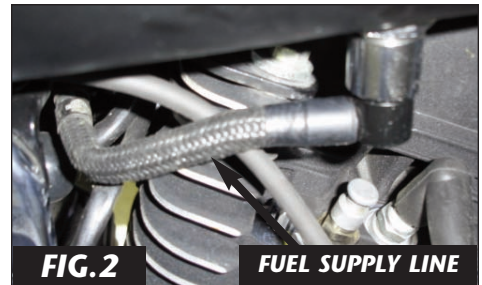
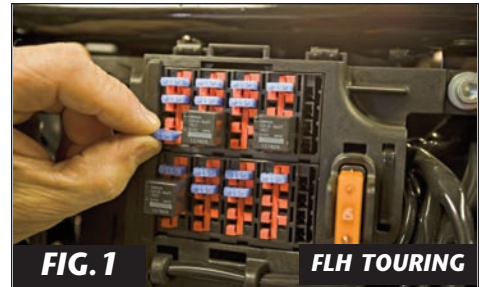
Note: Turn T- handle clockwise on bleeder valve to close it and then close ball valve 90 degrees to the off position. **See Fig 3 & 4.**

Install the fuel line adapter connector No. 955-24 into the gas tank check valve. This is the same location you just removed the stock fuel line from. It will click in place. Gently pull on adapter making sure it is locked in place. **See Fig 5.**

Note: Some applications will require the use of 2 fuel line adapter connectors No. 955-24 to eliminate any tight bend in the stock fuel supply line. If you have determined you need to install 2 fuel line connectors No. 955-24, install the second connector the same way you installed the first one, into the first No.955-24 adapter. **See Fig 6.**

Next install tool test hose No. 955-23 "L" shaped end onto the fuel supply fitting you just installed on the left side of tank. This hose can be installed by threading onto the male end of the adapter connector No. 955-24. Tighten up snug with your fingers only. **Don't use pliers.** **See Fig 7**

Caution: Make sure that the tool test line cannot, and does not, come loose. Reinstall the 15-Amp fuel pump fuse. Turn ignition switch on and off, leaving it in the on position for only 2 seconds.





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WARNING:

Checking for fuel leaks: *The first time you connect this tester up to fuel pressure, make sure to check for any fuel leaks from any of the fittings before starting the engine.*

Testing for fuel leaks: *After installing the pressure gauge to engine you must check for any fuel leaks, by turning the ignition switch on and off a few times.*

Note: *Do not allow the switch to be on for more than 2 seconds.*

Look over all fittings for any signs of fuel. If leaks are found, repair these fittings or replace and re-test until there are NO FUEL LEAKS. Place the open end of clear overflow hose into a gas can. **See Fig 8**

Note: *Do not allow hose to come out of gas can, when the system is being bled off of air. If no fuel leaks have been detected, then start engine letting it idle. Then slowly open the in-line ball valve*

Next slowly turn Tee-handle counter clockwise to open the bleeder/ overflow valve until all air has been purged from the test hoses. Then retighten Bleeder valve tee-handle. **See Fig 9 & 3**

Note: *Do not open the bleeder valve any further than 20 P.S.I. shown on gauge. A lower pressure may stall the engine. Open throttle to 2500-RPM, fuel pressure needs to hold between 55 – 62 P.S.I, if fuel pressure is less, see H-D service manual for repairing low fuel pressure.*

PURGING FUEL LINES AFTER TESTING

After testing has been completed, turn engine off, open bleeder valve until all fuel has drained from the system into gas can. **See Fig 3**

Caution: **Let engine cool before removing test hoses and before reinstalling the stock fuel lines.**

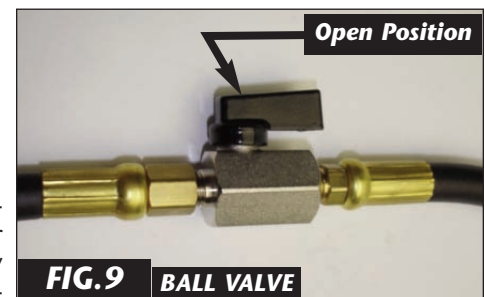
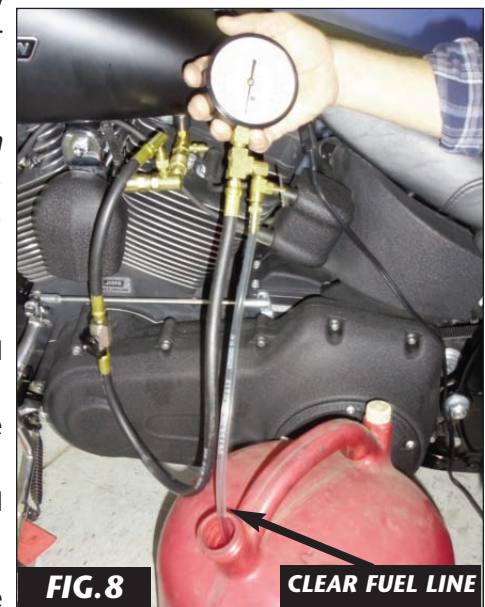
After installing the fuel line back to the gas tank, be sure to check for any fuel leaks.

After draining all fuel from fuel pressure tool, place it back in its case for safe keeping.

*Thank you for purchasing this American made JIMS product.
See at least 150 tools at www.jimsusa.com*

1 YEAR WARRANTY

JIMS will repair or replace at our option any product found to be defective in materials or workmanship for one year from date of purchase. This warranty does not cover items damaged by accident, misuse, or neglect. Any implied warranties are expressly excluded, and JIMS shall not be liable for any loss of product use, or other consequential or incidental costs incurred by the user of our tools.



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