

**NOTE: PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE PERFORMING ANY WORK! IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT! WORKING WITH GASOLINE IS VERY DANGEROUS AND HIGHLY EXPLOSIVE. WHEN YOU'RE WORKING ON THE FUEL SYSTEM, DON'T SMOKE OR HAVE ANY SPARKS OR OPEN FLAMES ANYWHERE NEAR YOUR SERVICE AREA. YOUR LIFE DEPENDS ON THE SAFETY PRECAUTIONS YOU TAKE. NON-SUFFICIENT SAFETY PRECAUTIONS COULD RESULT IN DEATH OR SERIOUS INJURY.**

No information in this instruction sheet pertaining to motorcycle repair is represented as foolproof or even altogether safe. Even something safe, done incorrectly or incompletely can and will backfire. You and only you are responsible for the safety of your repair work and for your understanding the application and use of repair equipment, components, methods and concepts. Each and every step that this tool is designed to do must be carefully and systematically performed safely by you.

**ALWAYS WEAR SAFETY GLASSES OR OTHER FACE AND EYE PROTECTION SUCH AS FULL FACE SHIELD. V-Twin Mfg. IS NOT RESPONSIBLE FOR DAMAGE, INJURY, OR YOUR WORK. V IS NOT RESPONSIBLE FOR THE QUALITY AND SAFETY OF YOUR WORK.**

**WARNING:** Gasoline is extremely explosive and highly flammable, which could result in death or serious injury, do not smoke or have any flames anywhere around the motorcycle. This includes gas fired water heaters. All spilled fuel needs to be removed immediately and contained in a suitable manner. Wear safety glasses over your eyes, if any fuel gets on any part of your body wash it off immediately.

### **Fuel Pump Access Retainer Remover 2008 - Present FL**

This tool is used on 2008 to present FL fuel tanks that have a ring retainer you must remove to access the fuel pump and fuel filter.

Read complete instructions thoroughly before using this tool.

Tools needed:

- 1/2" drive ratchet wrench
- Fire extinguisher that is capable of putting out a gas fire.
- H-D® service manual or equivalent for the motorcycle you will be repairing.
- **Fuel pressure gauge VT No. 16-0591**

### **Removing The In Line Fuel Pressure**

To avoid any fuel that may be under pressure when removing fuel pump retaining plate. You must first purge (relieve fuel pressure). Locate and remove the 15-amp fuel pump fuse located under the left side cover. Start the engine letting it idle until engine stalls. Try to restart the engine for 3 to 4 more seconds, this will help remove most all fuel from the fuel lines.

### **Removing Retaining Ring**

1. Remove 40 amp Maxi-fuse or disconnect battery ground cable from the battery.
2. Remove fuel from fuel tank.
3. Cover fuel tank, to help protect it from paint damage.
4. Remove console and seat per your H-D® service manual. See Fig.1.

**Note:** Hold tool with a firm grip on ratchet and tool to keep from dropping it. See Fig.2.

5. Place tool over retaining ring. Align and fully seat all 4 cam locks into all 4 cut-outs on tool.
6. Install your 1/2" drive ratchet into the top of tool. To remove, pull ratchet toward you, counter clockwise at the same time firmly pushing down on tool so it will not lift out of the 4 lock tabs.
7. Holding tool firmly, remove from top of fuel tank. Remove retainer by hand.
8. You now have access to the fuel pump, fuel level sender, and fuel filter.
9. For the removal of all components inside fuel tank, refer to your service manual. Inspect and replace any and all parts that need servicing.
10. After reassembly check for any fuel leaks.



**FIG. 1**



**FIG. 2**