

Thank you for purchasing this Dynojet kit. This kit has been developed for a motorcycle which is set to the parameters listed at the right in the "Stage" description. If your motorcycle does not meet any of these parameters please check with Dynojet before installation. For technical assistance contact your Dynojet distributor or call Dynojet U.S.A. (800)-992-4993



**8109.003**  
U.S Models Only

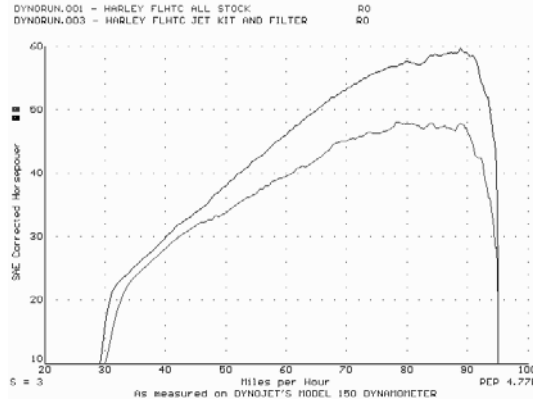
*1989-2003 Harley Davidson  
XL1200 Sportster  
THUNDERSLIDE JET KIT*

For mildly tuned machines using the stock or high flow airbox. May also be used with a good aftermarket exhaust system

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The manufacturer and seller make no warranties express or implied which extend beyond the description of the goods contained herein. Any description of this product is for the purpose of identifying it and shall not be deemed to create an express warranty.



*This graph shows a typical gain with a Dynojet jet kit.*

# WARNING

**NO SMOKING!  
NO OPEN FLAME!  
WHILE INSTALLING  
YOUR DYNOJET KIT**

Parts List		
1	Main Jet	DJ150
1	Main Jet	DJ160
1	Main Jet	DJ170
1	Main Jet	DJ180
1	Main Jet	DJ190
1	Fuel Needle	DNO889
1	E-Clip	DE0001
1	Thunder Slide	DTS005
1	Diaphragm Retainer Upper	DTS002
1	Diaphragm Retainer Lower	DTS003
1	Needle Spacer	THNR01
1	Thunder Nozzle	THNOZ2
1	Check Ball	BB #1/8
1	Check Ball Weight	DW070
1	Slide Spring	DSP009
1	Emulsion Tube	DET001
1	Plug Drill	DD #5/32
1	Screw	DS0001
1	Diaphragm Instructions	DI8109S

## Installation Instructions

**DYNOJET**

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1. Remove carburetor float bowl. Remove stock main jet and emulsion tube (Fig. A), sometimes referred to as the main jet holder. Replace the stock emulsion tube with the Dynojet emulsion tube provided (DET001). When the Dynojet emulsion tube is fully seated there will still be threads visible. Install the Dynojet main jet provided. Use the DJ160 main jet with a completely stock bike. Use the DJ170 main jet with an aftermarket airbox or exhaust. With an aftermarket exhaust, airbox and cam use the DJ180 main jet. If you have internal engine modifications use the DJ190 main jet.

2. Carefully remove float bowl gasket and save for reinstallation. Using a vice (Fig. D) clamp on to the stock accelerator pump nozzle and remove by twisting and pulling it out of the float bowl. Remove the stock check valve. Install the check ball (BB1/8) and brass weight (DW070) into the float bowl (Fig. B). Press the Dynojet Thunder Nozzle into the stock pump nozzle hole and lightly tap into place (Fig. E). The spray hole in the nozzle should face the brass float bowl drain tube (Fig. C). Carefully reinstall the float bowl gasket and float bowl.

3. Locate the fuel mixture plug (Fig. A), if you see a screw head at Fig. A proceed to the adjusting procedure. With the 5/32 drill provided, carefully drill through the plug. **NOTE:** The mixture screw is directly underneath this plug, be ready to pull back on the drill the instant you break through. Use screw provided to secure and remove this plug. Carefully turn mixture screw in until lightly seated, then back out 3.5 turns.

**NOTE:** If the mixture screw setting exceeds 3.5 turns to achieve low speed driveability when running a free flowing aftermarket exhaust and/or other modifications, install a .45 slow jet.

Fig. E



Fig. A

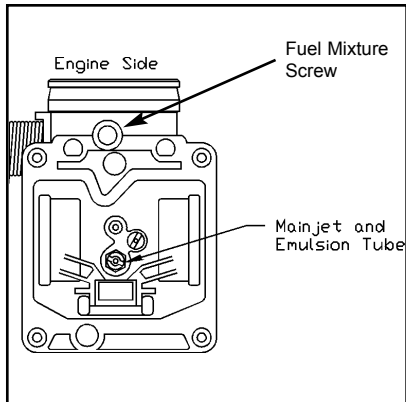


Fig. B

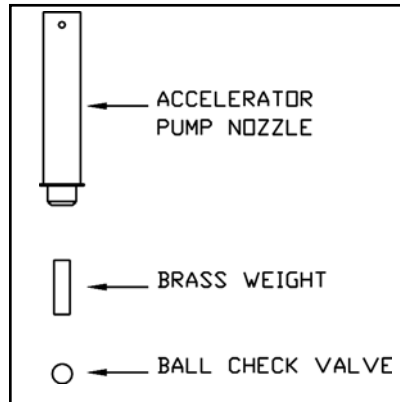


Fig. C

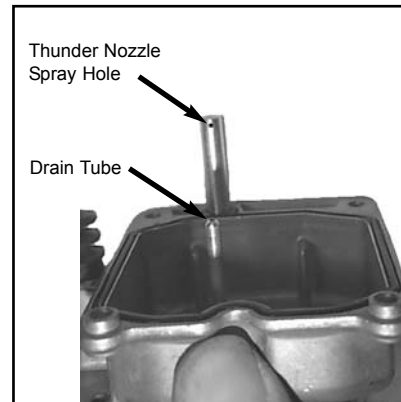
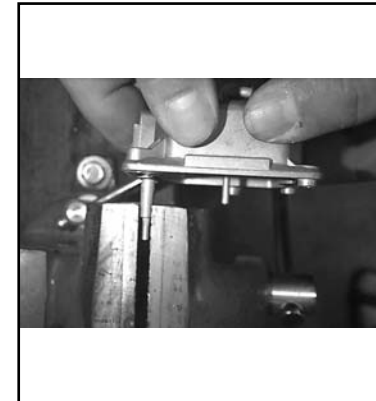


Fig. D



# THUNDERSLIDE DIAPHRAGM & NEEDLE INSTALLATION INSTRUCTIONS

**DYNOJET**  
DI8109S.003

**NOTE:** Your carburetor should have an accelerator pump like the one shown in Fig. C. If it does not, stop and call Dynojet.

1. Remove carb top, slide spring and needle retainer.
2. Carefully remove original rubber diaphragm from metal slide by gently pulling at the inner edge of the diaphragm in a circular motion until diaphragm is out of the stock slide retaining groove. The stock rubber diaphragm will be installed on Thunderslide.
3. To assemble the stock diaphragm on the Thunderslide, first install the larger slide retainer (DTS003) with the radial grooves facing up on to the slide (Fig. A). You will notice that the slide has a collar on the top which you will have to push the larger retainer past.
4. Lay the diaphragm on the lower retainer in the same direction it was on the stock slide.
5. Press the small slide retainer (DTS002) with the grooves facing down, on top of the diaphragm (Fig. A). You should hear a “snap” as it goes together. Make sure it is flat and secure on top of the slide and that the diaphragm is centered.
6. Install the e-clip on groove #4 of the Dynojet needle (Fig. D). Install Thunderslide, Dynojet needle, needle spacer, white needle retainer and Dynojet slide spring (DSP009) into the carb body (Fig. B).

Fig. D

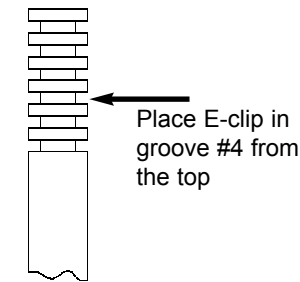


Fig. C

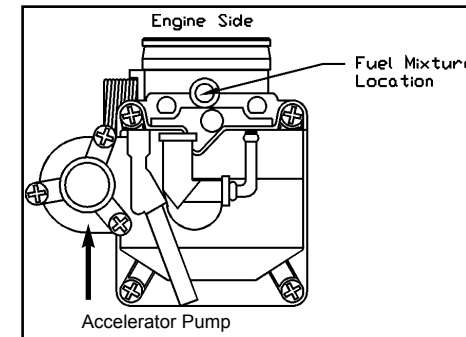


Fig. B

Fig. A

