

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

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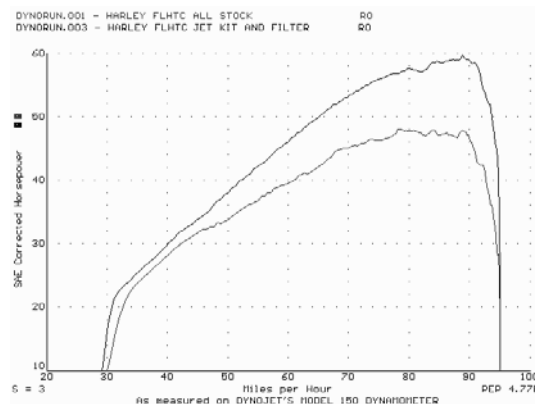


8103.001

U.S models only

*1998-2003 Harley Davidson
XL1200 Sportster Sport*

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



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	DJ175
1	Main Jet	DJ180
1	Main Jet	DJ185
1	Main Jet	DJ190
1	Main Jet	DJ195
1	Main Jet	DJ200
1	Fuel Needle	DNO855
1	E-Clip	DE0001
3	Adjusting Washers	DW0001
1	Emulsion Tube	DET001
1	Slide Spring	DSP088
1	Slide Drill	DD #29
1	Thunder Nozzle	THNOZ2
1	Check Ball	BB #1/8
1	Check Ball Weight	DW070
1	Plug Drill	DD #5/32
1	Screw	DS0001
1	Insert	DI8103S

INSTALLATION INSTRUCTIONS

DYNOJET

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1. Remove the carburetor float bowl. Remove the stock main jet and emulsion tube (Fig. B), sometimes referred to as the main jet holder. Replace the stock emulsion tube with the Dynojet emulsion tube provided (DET001). When the Dynojet tube is fully seated there will still be threads visible. Install the Dynojet main jet provided. Use the DJ180 main jet with a completely stock bike. Use the DJ185 main jet with an aftermarket airbox or exhaust. With an aftermarket exhaust and airbox use the DJ195 main jet. If you have internal engine modifications use the DJ200 main jet.

2. Locate the slide lift hole in Fig. A. Using the drill bit provided (DD #29) to enlarge your slide lift hole

3. Install the e-clip on groove #4 of the Dynojet needle. Use all stock spacers (Fig. A). Install Dynojet washers above the e-clip. Install the Dynojet slide spring (DSP088) in place of the stock slide spring. Make sure the spring is aligned properly.

4. Locate the fuel mixture plug (Fig. B), if you see a screw head at Fig. B proceed to the adjusting procedure. With the 5/32 drill bit 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 the screw provided to secure and remove this plug. Carefully turn the 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.

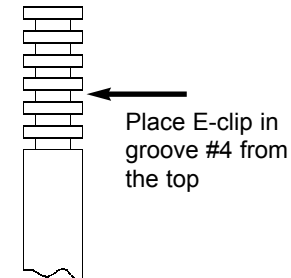


Fig. A

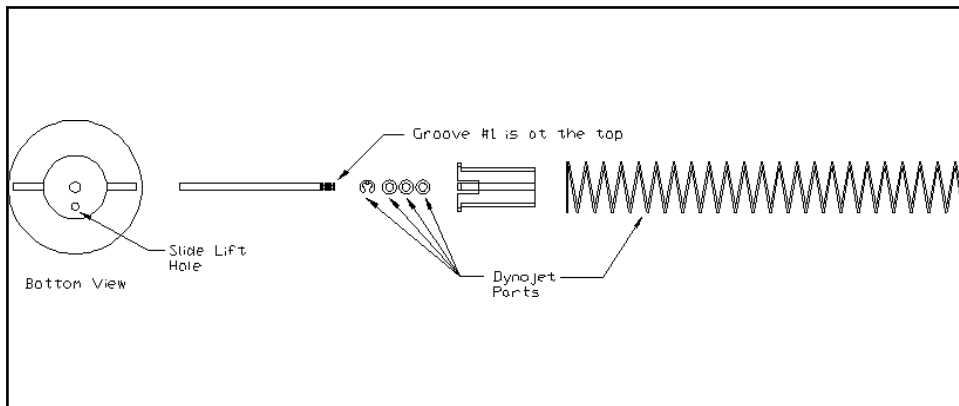
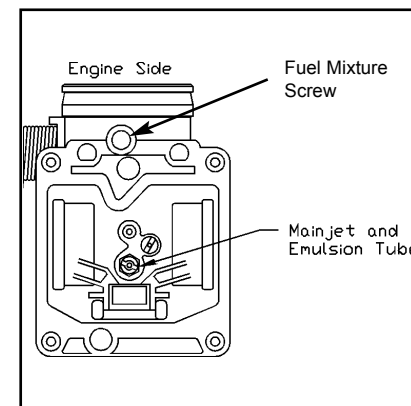


Fig. B



THUNDER NOZZLE INSTALLATION INSTRUCTIONS

DYNOJET
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1. Remove the carburetor from the motorcycle and remove the float bowl from the carburetor.
2. Carefully remove the float bowl gasket and save for reinstallation.
3. Using a vice clamp, clamp onto the stock accelerator pump nozzle and remove by twisting and pulling it out of the float bowl (Fig. A).
4. Remove the stock check valve from the carburetor.
5. Install the check ball (BB #1/8) and check weight (DW070) in the float bowl (Fig. B).
6. Press the Dynojet Thunder Nozzle into the accelerator pump nozzle hole. The spray hole in the nozzle should face the brass float bowl drain tube (Fig. C), and lightly tap into place with a small hammer (Fig. D).
7. Carefully reinstall the float bowl gasket and float bowl.

Fig. A

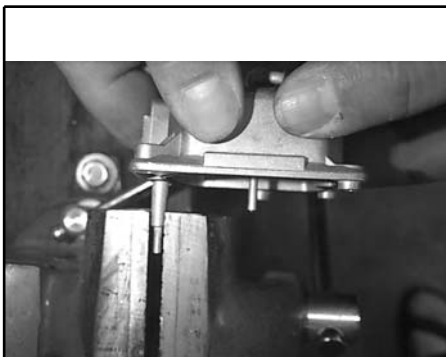


Fig. B

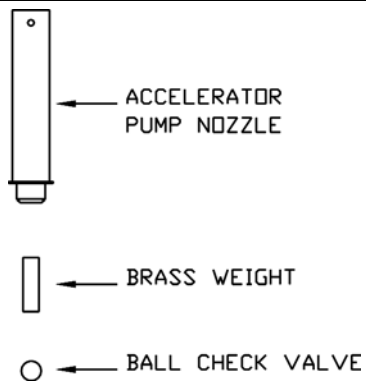


Fig. C

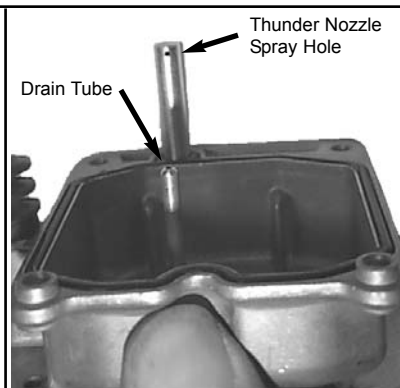


Fig. D

