



INSTALLATION INSTRUCTIONS

"Drop-In" FORK LOWERING KIT

HARLEY-DAVIDSON™ 2002-2005 FLHT/FLT®

ATTENTION!

Statements in these instructions that are preceded by the following words are of special significance:



This symbol means there is the possibility of injury to yourself or others.



This symbol means there is the possibility of damage to the vehicle.

Note:

Information of particular importance has been placed in italics.

LIFETIME LIMITED WARRANTY

Progressive Suspension warrants to the original purchaser this part to be free of manufacturing defects in materials and workmanship with a lifetime limited warranty. In the event warranty service is required, you must call Progressive Suspension immediately with a description of the problem.

If it is deemed necessary for Progressive Suspension to make an evaluation to determine whether the part is defective, a return authorization number will be given by Progressive Suspension. The parts must be packaged properly so as to not cause further damage and returned prepaid to Progressive Suspension with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem. If after the evaluation by Progressive Suspension the part was found to be defective it will be repaired or replaced at no cost to you. If we replace it, we may replace it with a reconditioned one of the same design.

Progressive Suspension shall not be held liable for any consequential or incidental damages resulting from the failure of a Progressive Suspension part. Progressive Suspension shall have no obligation if a part becomes defective as a result of improper installation or abuse.

IMPORTANT NOTICE

Caution: Follow instructions in an authorized shop manual or take the vehicle to a competent dealer.

The 2002-2005 FLHT/FLT models are equipped with a damper-rod type fork on the right side and a cartridge fork on the left side. The springs included in this kit have been designed to both be installed in the damper-rod / right fork only, and deliver optimum performance in conjunction with the stock spring in the left fork. No modification to the left fork is required.

The vehicle must be securely blocked to prevent it from dropping or tipping. when the fork springs are removed. Failure to do so can cause serious damage and/or injury.

Progressive Suspension Drop-In Fork Springs are designed to work with the OEM (Original Equipment) forks. Use of this product on any forks other than OEM may produce an unsatisfactory ride and void the warranty.

Prior to installing your Drop-In Fork Lowering Kit, you **MUST REMOVE** any previously installed fork lowering kit components

INSTALLATION

- Read all the instructions carefully before installing this kit on your motorcycle. Use your Harley-Davidson service manual as a reference while installing this kit.
- Support and lift the motorcycle so the front wheel is off the ground. The balance point is toward the front of the engine.
- Per the instructions in an authorized shop manual, remove only the right fork (non-cartridge type) from the motorcycle. This will entail removing the wheel, fender and possibly several other items depending on the model - again, refer to an authorized shop manual for the removal of these components.
- If your bike is currently equipped with any type of fork lowering kit, such as a standard Progressive Suspension lowering kit, or other, you **MUST** remove that kit before installing this Drop-In Kit (continue next page).



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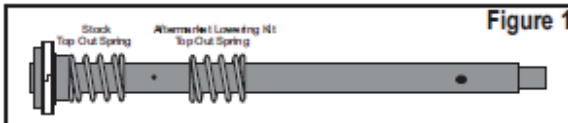


Figure 1

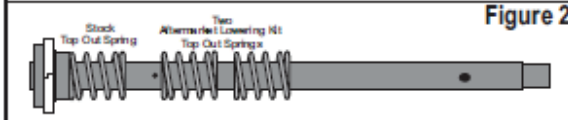


Figure 2

Prior to installing your Drop-In Fork Lowering kit, you **MUST REMOVE** any previously installed fork lowering kit components, such as the 1 or 2 additional top out springs illustrated above. Additional top out springs are common in many such kits.



Changing the chassis and / or suspension on any vehicle will change the handling characteristics of that vehicle. Care should be taken when operating the vehicle with such modifications while getting accustomed to the new handling characteristics.



Failure to remove existing fork lowering kit components will result in unsatisfactory performance and may lead to fork damage, loss of vehicle control or injury.

- Clamping the fork near where the lower triple-clamp would be - using "soft-jaws" and being careful not to scratch or damage the fork tube - carefully remove the fork cap.



CAUTION The fork cap is under **EXTREME** spring pressure and care must be taken as it is removed to **avoid injury!** Keep downward pressure on the cap as you unscrew the final threads, this will minimize spring "jump" that will occur as soon as the cap is fully un-threaded **BE CAREFUL!**

- Remove the stock fork spring. If your bike has washers and / or spacers on top of the spring, remove those as well.
- For optimum performance we highly recommend the forks be thoroughly cleaned and new fork oil installed per your Harley-Davidson™ manual.



- While the installation of this Drop-in Fork Spring kit will not change the compressed length of the front forks, we have found that some bikes may not have adequate clearance between the fender, fairing and / or accessories. So we recommend with the fork springs removed from both forks reinstall the forks, fender, wheel and anything else you may have removed and lift the forks, or lower the bike to completely compress the front forks. With the forks fully compressed, check for adequate clearance between the tire, fender, fairing, crash bar, accessories, etc., while turning left to right - lock to lock. You must correct any clearance issue prior to installing this kit to avoid vehicle damage and/or vehicle control problems.
- Determine the correct PVC spacer length for your year model bike - and the approximate amount you would like to lower your forks - from the Chart in Figure 3. You may need to cut the supplied spacer for your proper length.

CHART
PVC SPACER LENGTH

YEAR		1" Lower	1.6" Lower
2002-2005	FLH/FLT	0.56"	0.00"

Figure 3





"Drop-In" Fork Lowering Kit HARLEY-DAVIDSON™ 2002 - 2005 FLHT/FLT®

- With the front fork fully extended, insert the Drop-In Spring into the fork tube, then insert the Drop-In Compensation Spring, Washer and PVC spacer, and another Washer.

Figure 4

- Reinstall the fork cap. The design of this kit makes this very easy as the only spring pressure you will feel during cap installation is from the Drop-In Compensation Spring which is only a light pressure by design. Torque fork cap and reinstall fork, fender, wheel, and all other components per an authorized shop manual.
- Remove the motorcycle from lift and re-check all fasteners for proper tightness.

FINE TUNING

- Front ride height can be adjusted by changing the PVC spacer length. We recommend making changes in .25" increments - being certain not to make your spacer either longer than the 1" lower length, or shorter than the 2" lower length spacers specified for your model in Figure 3.
- The operator must use extreme caution when operating a modified motorcycle, particularly while getting familiar with its altered handling characteristics.

