



# INSTALLATION INSTRUCTIONS

## "Drop-In" Fork Lowering Kit

84-15 FXST/FLST, 13-15 FLS, 80-01 FLH/FLT,  
02-05 FLHR, 06-13 FLH/FLT (not Tri-Glide), 80-86 FXWG, 93-05 FXDWG

### ATTENTION

Statements in these instructions that are preceded by the following words or symbols 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.*



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.

### IMPORTANT NOTICE

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

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 securely so the front wheel is off the ground. The balance point is toward the front of the engine.

### 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.



TECH: 714.523.8700

WWW.PROGRESSIVESUSPENSION.COM



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### INSTALLATION (cont.)

- Per the instructions in an authorized shop manual remove the forks 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. The Drop-In fork kit is designed to work **ONLY** with the Stock fork rebound or top-out springs. See Figures 1 & 2



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

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



**CAUTION The fork caps are under spring pressure and care must be taken as they are removed to avoid injury! Keep downward pressure on the caps as you unscrew the final threads. This will minimize the 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 fork spring, remove those as well.
- For optimum performance we highly recommend the forks be cleaned, inspected and reassembled using Progressive Suspension Fork Oil (Standard - type E). Refer to the procedure in your authorized shop 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, re-install the forks, fender, wheel and anything else you may have removed and lift the front 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 issues 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 to your proper length.
- With the front forks fully extended, insert the Drop-In Fork Spring into the fork tube, then insert the Drop-In Compensation Spring, washer and PVC spacer and another washer. Figure 4.





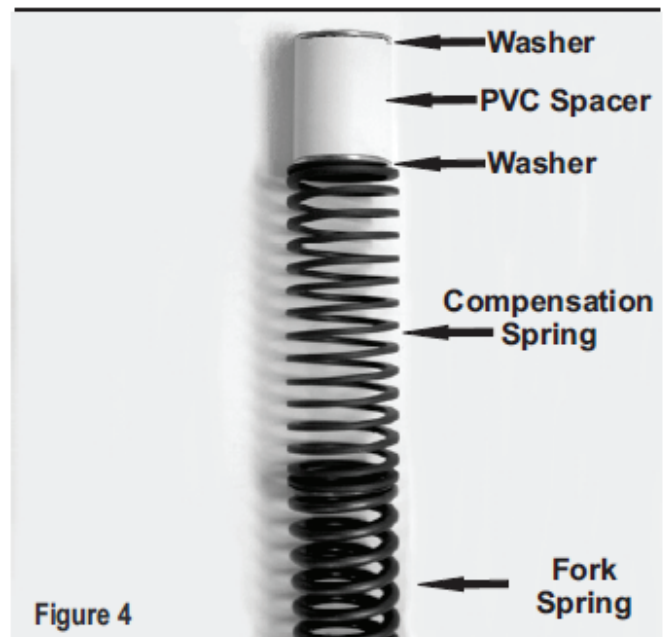
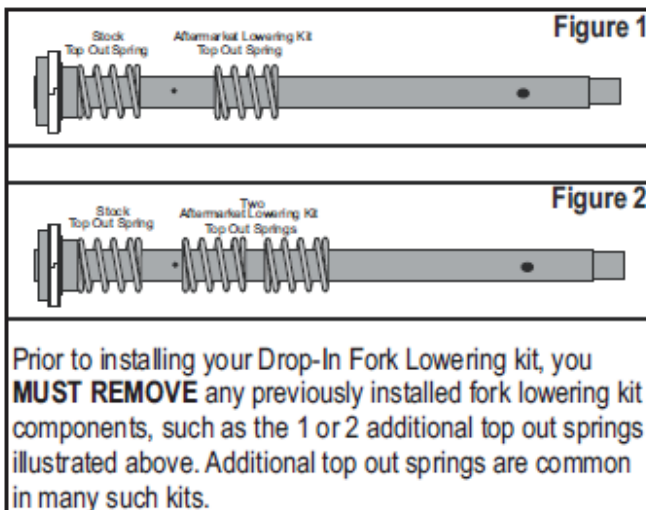
# “Drop-In” Fork Lowering Kit

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- 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 to the factory recommended torque specs and reinstall the forks, fender, wheel and all other components per an authorized shop manual.
- Remove motorcycle from lift and recheck all fasteners for proper torque per said manual.

### 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.



**Figure 3**

Year	PVC SPACER LENGTH	1" Lower	2" Lower
1980-1996	FLH/FLT 5 speed	0.75"	N/A
2002-2005	FLHR	1.75"	0.75"
1997-2001	FLH/FLT 5 speed	1.75"	0.75"
2006-2008	FLHR	0.50"	N/A
2006-2008	FLH/FLT (not RK)	0.50"	N/A
2009-2013	FLH/FLT (not Tri-Glide)	1.00"	0.00"
2013-2017	FLS/FLSS	4.00"	3.00"
1984-2017	FLST	4.00"	3.00"
1984-2015	FXST	5.50"	4.50"
1980-1986	FXWG	4.75"	3.75"
1993-2005	FXDWG	4.75"	3.75"

### TECHNICAL INFO

Our technical staff will assist you if you have any problems or questions. Call (714) 523-8700 from 8 am to 4 pm PST.

