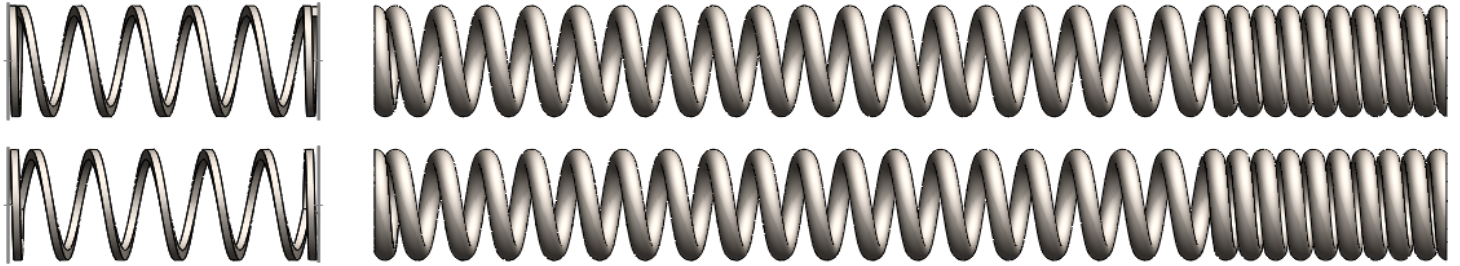




INSTALLATION INSTRUCTIONS

DROP IN FORK LOWERING SPRING KIT FOR 2018 & LATER* FLSB, FXFB, FXFBS & FXLRS



ATTENTION!

Statements in these instructions that are preceded by the following 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.

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

Removing and replacing fork springs must be performed by a qualified mechanic & according to steps outlined in a professional workshop manual that relates to your particular make, model & year motorcycle.

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

Progressive Suspension 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 & void the warranty.

RECOMMENDED TOOLS

FOL-2 PROGRESSIVE SUSPENSION FORK OIL LEVEL ADJUSTER

*HD-41177 FORK TUBE HOLDER or EQUIVALENT

*HD-45966 FORK SPRING COMPRESSOR TOOL or EQUIVALENT

*HD-47852 INNER FORK NUT REMOVER / INSTALLER TOOL or EQUIVALENT (*HD PART NUMBERS SHOWN ARE FOR HARLEY-DAVIDSON FACTORY TOOLS)



TECH: 714.523.8700

WWW.PROGRESSIVESUSPENSION.COM

FAX: 714.523.3220



DROP IN FORK LOWERING SPRING KIT FOR 2018 & LATER* FLSB, FXFB, FXFBS & FXLRS



LOWERING THE CHASSIS AND/OR SUSPENSION ON ANY VEHICLE WILL CHANGE THE HANDLING CHARACTERISTICS AND LEAN ANGLE OF THAT VEHICLE. CARE SHOULD BE TAKEN WHEN OPERATING THE VEHICLE WITH SUCH MODIFICATIONS WHILE GETTING ACCUSTOMED TO THE NEW HANDLING CHARACTERISTICS.

INSTALLATION

Read all the instructions carefully before installing this kit on your motorcycle. Use your factory authorized service manual as a reference while installing this kit.

NOTE:

This kit provides for either a 1" or 2" lower front ride height - pay close attention to the following steps that pertain to your preferred ride height configuration. Also note that the left and right forks have different internals in these models.

1. Support and lift the motorcycle securely so the front wheel is off the ground. The balance point is toward the front of the engine.



ONCE THE FORK CAPS HAVE BEEN FULLY UNSCREWED FROM THE FORKS, CAREFULLY LOWER THE BIKE TO COMPRESS THE FORKS TO GAIN ACCESS TO THE FORK CAP LOCK NUTS. **THE INNER FORK BOLT (RIGHT FORK) IS UNDER SPRING PRESSURE - HAVE A FIRM GRASP AS YOU REMOVE IT.

2. Remove the fork caps.
3. Remove the OEM bumper seat, **inner fork bolt, joint rod, fork spacer, washer & spring from the right fork, and the OEM bumper seat, stopper, spacer assembly & spring from the left fork according to instructions contained in your factory service manual. The Progressive Suspension Drop In fork lowering spring kit is a direct replacement of your OEM springs.

NOTE:

For maximum performance we highly recommend that the forks be disassembled and thoroughly cleaned, inspected and new Progressive Suspension Standard (Type E) fork oil installed.

4. Before installing the new springs, it is crucial that you make sure you've installed the proper fork oil and the oil level is correct. We recommend Progressive Suspension Standard 10wt (Type E) fork oil. To check the oil level properly you must have the springs and spacers removed, cycle the forks & cartridge several times to purge any trapped air and then completely compress the forks & cartridge. You then measure from the top of the fork tube to the oil level. Add/remove oil to achieve measurements. For 1" low configuration (BOTH FORKS- 132mm) For 2" low configuration (BOTH FORKS- 122mm)



NEVER ADD TOO MUCH OIL RESULTING IN A MEASUREMENT LESS THAN 132MM IN EACH FORK WITH A 1" LOW CONFIGURATION OR 122MM IN EACH FORK WITH A 2" LOW CONFIGURATION WHEN USING THIS SPRING KIT!





DROP IN FORK LOWERING SPRING KIT FOR 2018 & LATER* FLSB, FXFB, FXFBS & FXLRS

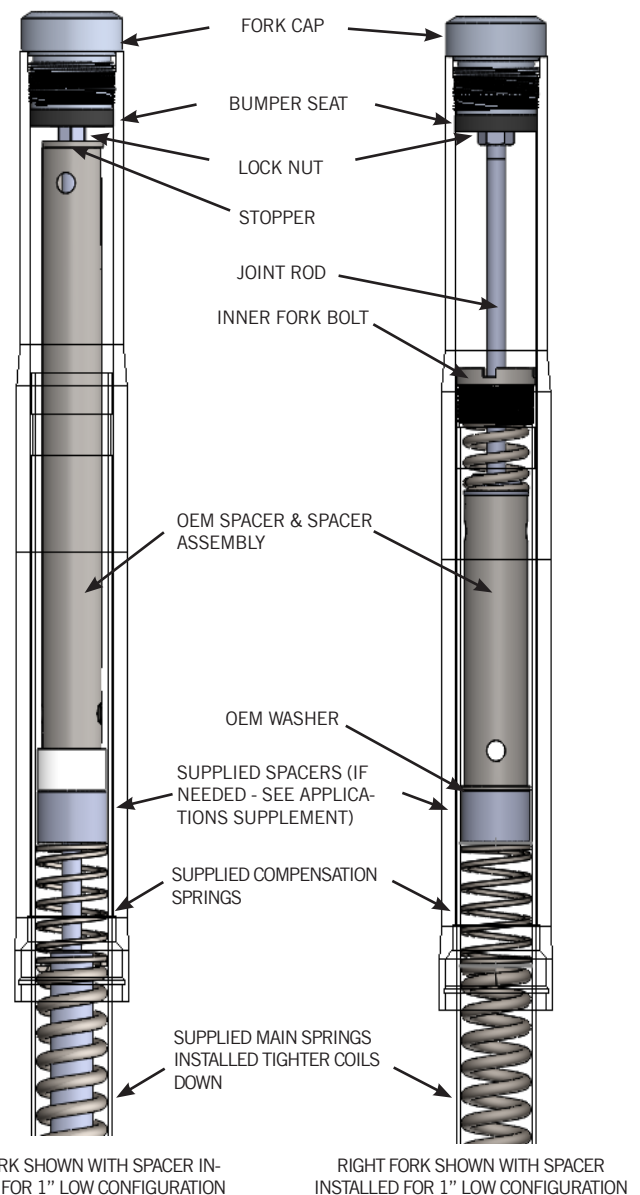
5. After confirming the fork oil level in the left fork for your chosen configuration, Install a Progressive Suspension main spring with the tighter wound coils down. Then place a Progressive Suspension compensation spring on top of the main spring. Referring to the included application supplement for recommended spacer length for your chosen configuration, install the included spacer (cut to the length indicated in the application supplement if needed), reinstall the OEM spacer assembly, stopper & bumper seat. Reinstall the fork cap (torque lock nut to 13-16 ft lbs)
6. After confirming the fork oil level in the right fork for your chosen configuration, Install a Progressive Suspension main spring with the tighter wound coils down. Then place a Progressive Suspension compensation spring on top of the main spring. Referring to the included application supplement for recommended spacer length for your chosen configuration, install the included spacer (cut to the length indicated in the application supplement if needed), reinstall the OEM washer, spacer, joint rod, inner fork bolt (torque to 63-89 ft lbs) & bumper seat. Reinstall the fork cap (torque lock nut to 13-16 ft lbs)
7. Torque the fork caps back into the forks (22-30 ft lbs) and reinstall the forks and any other components previously removed per a factory authorized service manual. Remove motorcycle from lift and recheck all fasteners for proper tightness per your factory authorized manual.

FINE TUNING

FORK OIL: Though we recommend using Type E (10wt) fork oil, oil viscosity can be changed to alter damping. Heavier oil to increase damping. Lighter oil to decrease damping. Change in 5 weight increments (i.e. from 10wt to 15wt). Oil viscosity will have more effect on rebound damping than compression damping, too high a viscosity can create harshness on sharp edge bumps. The oil level also affects the ride, too high an oil level and the forks will feel too stiff, too low an oil level and the bike will bottom and feel soft or dive excessively. As stated previously, when using this spring kit **NEVER** adjust the fork oil level to produce a measurement of less than 132mm in each fork with a 1" low configuration or less than 122mm in each fork with a 2" low configuration- measured with fork springs & spacers removed, forks & cartridge compressed, from the top of the fork tube- or damage will occur.

TECHNICAL INFO

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



LEFT FORK SHOWN WITH SPACER INSTALLED FOR 1" LOW CONFIGURATION

RIGHT FORK SHOWN WITH SPACER INSTALLED FOR 1" LOW CONFIGURATION