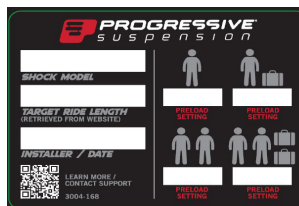
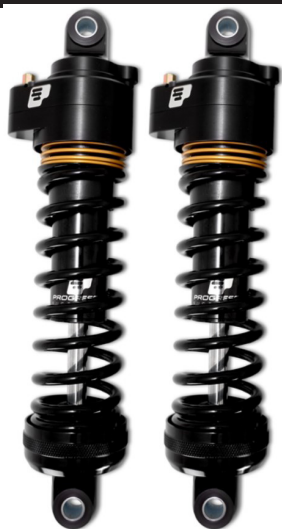




INSTALLATION INSTRUCTIONS

944 SERIES SHOCKS WITH QUIK PRELOAD SYSTEM (QPS)



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.



TECH: 714.523.8700

WWW.PROGRESSIVESUSPENSION.COM

FAX: 714.523.3220

IMPORTANT NOTICE

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



- The vehicle must be securely blocked to prevent it from tipping or dropping when the shock is removed. Failure to do so can cause serious damage and/or injury. Progressive Suspension 944 Series shocks are designed to work with the OEM (Original Equipment) chassis. Use of this product on a chassis other than OEM may produce an unsatisfactory ride.
- Do not attempt to disassemble the QPS housing by removing the two low profile socket cap screws. Disassembly will void the warranty.

RECOMMENDED TOOLS

- MOTORCYCLE JACK
- 8MM T-HANDLE OR 1/4" RACKET WITH EXTENSION
- 3MM HEX SOCKET
- TORQUE WRENCH
- TAPE MEASURE
- MODEL SPECIFIC SHOCK MOUNTING BOLT TOOLS



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.

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. Support and lift the motorcycle securely so the rear wheel is off the ground.

- Refer to your owners manual to gain access to your shock mounting bolts to prepare for shock removal. If additional accessories are installed on your motorcycle, please refer to the their mounting instructions for removal to gain access to your shocks as needed.
- Next, using the correct shop manual for your make, model and year motorcycle, remove the old shocks and note the location of any mounting hardware. If additional accessories are installed on your motorcycle, please refer to their mounting instructions for removal to gain access to your shocks.
- Before installing your new Progressive Suspension shocks you need to check the tire to fender clearance, making sure that the tire does not come into contact with the fender. If the rear fender or tire has been changed to anything other than stock, a travel limiter may be required. On some models with side bags or luggage, the bag or luggage mounts may need to be modified to eliminate any interference.





944 SERIES SHOCKS WITH QUIK PRELOAD SYSTEM (QPS)

- Locate the riders left side shock (refer the photo). The left side clamp is intended to have the M5 screw on the clamp facing the motorcycle and the 8mm hex adjuster to the rear of the motorcycle.
- Install the included shouldered sleeves into the shock eye, so that the shoulder is on the side with the 8mm hex.
- Use a 3mm allen hex allen to remove the M5 clamp screw.
- Insert a long screwdriver or long tool through the eyelet to hold shock. Use a 8mm hex tool to turn the 8mm hex clockwise until the adjuster is in-line with the damper body inner mounting eyelet. A
- Apply thread lock compound to the M5 clamp screw threads. Torque to 40 in-lbs.
- Install your left 944 shock with QPS on the motorcycle using the included washer, noting any special instructions in the hardware kit.
- Repeat above steps with the right shock.
- Refer to your owners manual for shock mounting bolt torque and procedures. Torque to the OEM torque specification.
- Reinstall bags and accessories removed in accord with their mounting instructions. Verify that the QPS will not interfere with any component or accessory that was removed earlier. Interference must be addressed before proceeding.
- Verify that the QPS can be adjusted with bags and accessories installed.
- Adjust spring preload on both shocks by turning the 8mm hex counter clockwise until the distance from the top of the QPS housing to bottom of clamp = "current spring preload setting" recorded earlier. Or adjust by counting the number of 8mm turns = "current spring preload setting" (in millimeters) x 3.5.

EX: "current spring preload setting" = 5mm. $5\text{mm} \times 3.5 = 17.5$ turns





944 SERIES SHOCKS WITH QUIK PRELOAD SYSTEM (QPS)

- Verify that your sag is correct by checking the target ride length.
Instructions to check sag and target ride length, can be found at www.progressivesuspension.com at the bottom of the shock model web-page. Enter your motorcycle year / model, select the shock model (944 /444), shock length and spring rate. Adjust preload as needed to achieve target ride length.
- Repeat the sag check with rider + luggage, rider + passenger, and rider + passenger + luggage.
- Record the total number for turns to achieve the target ride length on the supplied preload setting decal.
- Test ride: if excessive bottoming occurs you need to increase your spring preload setting.
- Apply the preload setting decal to a clean surface on your motorcycle for future reference.
- Then ride and enjoy... Carry a 8mm tool for on the road adjustments. Wash with mild soap and warm water.
- *NOTE: DO NOT USE POWERED TOOLS WHEN ADJUSTING THE PRE-LOAD. The QPS is a threaded device, so if you adjust fully to the minimum or the maximum setting, you will feel a sudden increase in torque when you reach the end of the range of adjustment. This sudden increase in resistance is the adjuster tightening against its stop. When you feel this, we recommend that you turn the QPS 8mm hex 1/2 turn off the stop. This will facilitate easy adjustments in the future. If the adjuster is tightened firmly against its stop, either at minimum preload or maximum, you may have difficulty re-adjusting the preload.*



TECHNICAL INFO

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



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