

28443

# STREET FORK SPRING INSTALLATION INSTRUCTIONS

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

••••• **WARNING** •••••

Never attempt to remove the fork cap nut without first placing a quality jack or sufficient blocks under the motorcycle to securely lift the front wheel off the ground. **FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY!**

1. Remove fork springs according to instructions contained in your shop manual. For maximum performance we highly recommend that the forks be thoroughly cleaned, inspected and new fork oil installed.

**NOTE:** If your motorcycle comes equipped with two fork springs in each leg (long and short), remove and discard both springs and the flat washer between the springs. If a stock spacer exits, remove it. If there is a short spring on the damper rod, **DO NOT REMOVE IT!**

2. In most cases, we recommend 10 weight fork oil as a "ballpark" starting point with the following exceptions: GL1100 30 weight, GL1200 20 weight required. For fine tuning see Step 7.

Fork oil level/volume should be checked according to the steps outlined in your authorized shop manual. Measurement of your fork oil by level is the preferred method. However, some manuals only specify a volume measurement. Due to the design of a progressive wound fork spring it will displace more oil thus requiring a maximum oil level of 5.5" (140mm).

•• **CAUTION** •• **THIS IS NOT A RECOMMENDATION, IT IS ONLY A PRECAUTIONARY STATEMENT. IF YOUR MANUAL SPECIFIES AN OIL LEVEL HIGHER THAN 5.5" (140mm) SET OIL LEVEL AT 5.5" (140mm).** (Oil level is the distance from the top of the fork tube to the top of the oil with the fork completely collapsed and the fork spring removed [see Figure 3]) This measurement can be made by using either one of the Progressive Suspension Fork Oil Level Tools (FOL-1 and FOL-2).

Fig 3

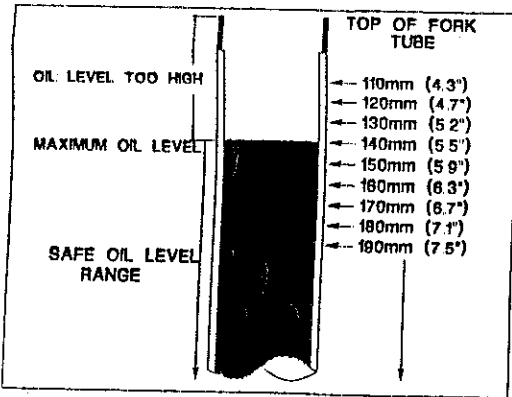


Fig 1

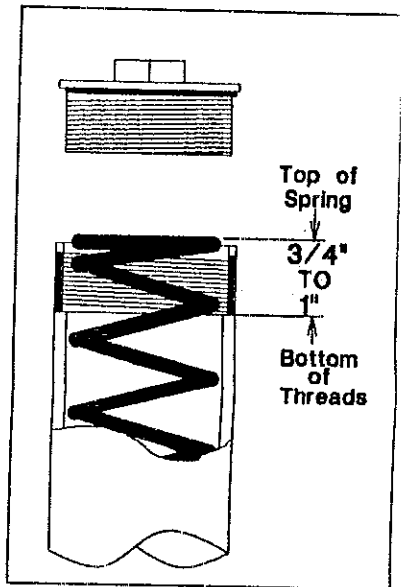
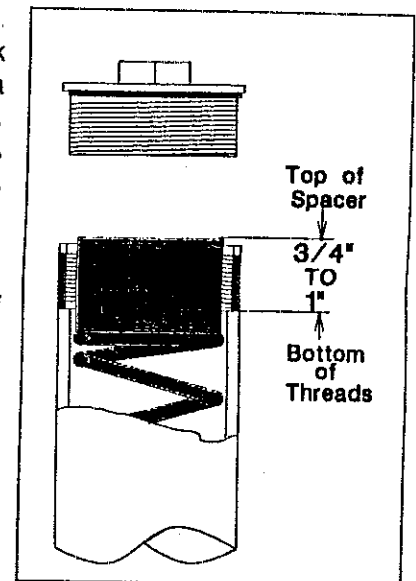


Fig 2



3. Install your new fork springs with the close wound coils facing up. Check the spacer length requirement for your motorcycle in the enclosed supplement. If not listed, you must calculate preload. What is preload? Preload is the distance the spring compresses when the fork cap is installed. You may or may not utilize a spacer to achieve proper preload. **THE SPACER ITSELF IS NOT "PRELOAD"**. It just helps to achieve it. Why is pre-load important? It determines the proper ride height which in turn affects how the bike handles.