

## Shocks for Harley Davidson Softails

### Installation

### Instructions

#### Caution

Please read the following instructions completely before starting installation!

Follow instructions in an authorized shop manual or take the motorcycle to a competent dealer.

The motorcycle must be securely blocked to prevent it from tipping over when the shocks are removed. Failure to do so can cause serious damage or injury.

The use of lowering kits on Progressive Suspension shocks is not recommended. Use of a lowering kit may void the warranty or damage the shock/motorcycle.

Progressive Suspension shocks are designed to work on the OEM (Original Equipment) frame and swingarm. Use of these shocks on a frame or swingarm other than OEM may produce an unsatisfactory ride and void the warranty.

Transmission bolts must be installed in the OEM position to insure proper clearances for the shocks. Consult your factory shop manual for proper installation.

Make sure that proper bushings/sleeves are installed in the shocks. Improper bushings/sleeves can cause unsatisfactory and/or unsafe operation.

Shocks made for early (84-88) and later (89 & later) **do not interchange!** Damage to your motorcycle and suspension may occur if you install the wrong shock! Double check the Progressive part numbers to insure that the correct shock for the correct year has been purchased.

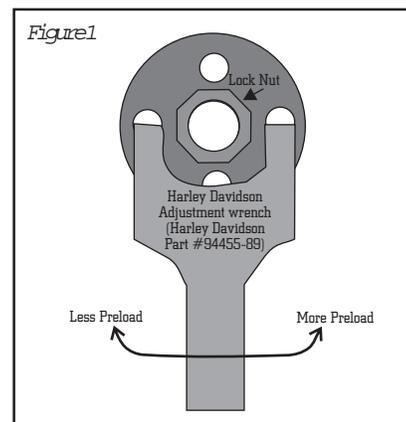
#### Installation

Progressive Suspension shocks for your Softail are designed as a direct bolt on replacement for your stockers. Although they are very similar in appearance, they have vastly improved damping and spring rates. Our shocks do not use the remote reservoir system used on earlier model Softail models.

1. Place motorcycle securely on stand or blocks so the rear wheel is slightly off the ground.
2. Per instructions in a authorized shop manual, remove your old shocks. Note location of the mounting hardware.
3. Install the Progressive Suspension shocks using the stock mounting bolts and washers.
4. Tighten all shock mounting bolts to the proper torque specifications (see shop manual for specs).

5. Progressive Suspension shocks have adjustable pre-load to compensate for varying weights. The included wrench or a Harley Davidson pre-load adjustment wrench is necessary to adjust the pre-load setting. Replacement Progressive Suspension, Inc. wrenches are available as Part # SW-784 from most Dealers and Accessory Stores and the Harley Davidson wrench is available as part #94455-89 from any Harley Davidson Dealer.

Spring preload is set by us to the lightest setting. To increase preload for heavier riders/loads/passengers, loosen locknut with the inside portion of the supplied wrench or a 1 1/16" wrench and back it off several turns. Use the supplied wrench or a Harley adjustment wrench to turn the adjustment nut counterclockwise to the desired preload setting. Then tighten the 1 1/16" lock nut. Both shocks must be adjusted to the same, equal setting (See Figure 1).



Note: Maximum preload is reached when the locknut and adjusting nut are turned to the end of the threaded eye (no thread showing). This distance is approximately 1/4". Do not turn the locknut past the last thread!

6. Test ride the bike and make further adjustments if necessary. Note: Adjusting the preload does not change the shock length.
7. For a balanced suspension, we highly recommend installing a pair of Progressive Suspension fork springs.
8. Ride and enjoy.