



6050 Dublin Boulevard, Dublin, CA 94568 - Technical assistance: 925.479.6379 - www.arlenness.com

17-100 ADJUSTABLE SLAM KIT FOR 2000-UP SOFTAIL MODELS

Thank you for purchasing this Arlen Ness product. We believe that our products are the very best available and are engineered to provide a lifetime of use. This Adjustable Slam kit for Softail models allows you to custom-tailor the ride height of your bike offering true adjustability. Basic hand tools and a service manual applicable to your model of motorcycle are all that is necessary to complete the installation. If you ride a custom-built bike, please call our Technical Assistance department and they will be able to recommend the best service manual to use with your motorcycle.

BILL OF MATERIALS

Part #	Quantity	Description
17-100-1	2	Adjustable Slam Kit shaft
H-002	1	Loctite removeable threadlocker
HM-014	2	Hex nut, 12mm x 1.25

MAINTENANCE TIP: To keep your new lowering kit performing its best, we recommend periodic checking of the ride height adjustment and a proper OEM or OEM-equivalent spanner for making ride height and spring pre-load adjustments.
PLEASE NOTE: NEVER lower your motorcycle's rear suspension lower than 2" from the original factory ride height

STEP 1: Elevate the rear wheel of your motorcycle until it is no longer touching the ground. Take a measurement from the axle centerline to the bottom of the fender strut as shown and record this information. This will be your starting point for when you adjust your bike's ride height later on. NOTE: This measurement is only valid on a motorcycle with OEM or OEM-length shock absorbers. Switching from a different lowering kit to the Adjustable Slam Kit will not give a valid measurement as illustrated in this step. Now, following the procedure listed in the appropriate service manual for your year and model of motorcycle, remove both shock absorbers.

STEP 2: Position the shock absorber in a press, supporting the spring cover at the bottom and pressing on the shaft. Slowly press the shock shaft until there is enough room to pick out the retaining ring with a screwdriver or pick. Once the retaining ring has been removed, GENTLY ease the press back up and allow the shock to fully extend. Now remove it from the press, take off the spring cover and spring, clean as necessary.

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STEP 3: Hold the shock in a vise with aluminum soft jaws and remove the existing shock extension by loosening the jam nut against the adjuster plate. There are two flats on the shock absorber shaft, use a suitable wrench to hold it from turning. Remove the jam nut and adjuster plate from the existing shock extension, clean, and install on the Slam Kit adjuster.

STEP 4: Turn the shock around, placing the slam kit adjuster in the vise, again, using soft jaws. Apply Loctite 242 Blue to the threads of the shock absorber shaft and thread the Slam Kit adjuster on, then torque the adjuster to the shock absorber shaft to 30 lbs/ft. Hold the flats of the shock absorber shaft with an end wrench as mentioned in **STEP 3** while torquing. Re-assemble the shock absorber and repeat **STEPS 2-4** to install the Slam Kit on the other shock.

STEP 5: Once both Slam Kit adjusters have been installed, re-install the rear shock mount hardware to prepare the shocks for re-installation. Measure the length of each shock from the front eye to the rear mount and adjust them so that they both measure the same length. Use Loctite 242 Blue on all shock mounting hardware then install shocks in the motorcycle following the procedure listed in the appropriate service manual for your year and model of motorcycle. Adjusting the ride height is now easy **TO LOWER:** extend the Slam Kit adjuster **OUT**, making the shock **LONGER**. **TO RAISE:** screw the Slam Kit adjuster **IN**, making the shock **SHORTER**.

Ness-Tech® Lowered Dampener Kit
 Instructions
 PN#: 17-025, 17-026, 28-001, 28-002,
 28-003



1. Raise the front end of the motorcycle and support it properly.
2. Remove front caliper, fender and wheel. Refer to owner's manual if needed.
3. On 41mm fork assemblies, remove the top nut and loosen pinch bolts in lower tree and remove both fork leg assemblies. On 39mm fork assemblies, loosen pinch bolts in upper and lower trees and remove fork leg assemblies.
4. Remove top caps on both fork leg assemblies. **WARNING:** Remove them carefully, they have a lot of spring pressure on them.
5. Remove oil drain screws and drain the oil. Remove fork springs and bottom out fork tube in lower leg. Turn assembly upside down and dampner rod and rebound spring will drop out. Do not move tube in lower leg. **NOTE:** Keep in mind that when you lower the forks you will not have as much travel as stock ones. Depending on riding style and rider weight, it may be necessary to add more pre-load to the springs and heavier fork oil (this improves handling).
6. Install rebound spring and Arlen Ness dampner rod in fork tube. Use new allen bolt with crush washer (supplied). Apply loctite and torque to 18 ft. lbs.
7. Replace fork oil with recommended amount, per service manual. Replace fork spring and top caps. Reinstall fork assemblies per service manual specifications.

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