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WHITE BROTHERS
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WHITE BROTHERS "ADJUST-A-RIDE" REAR KIT for HARLEY-DAVIDSON® SOFTAIL'89-99 WB PART# 28-255

IMPORTANT NOTICE: The enclosed sticker must be applied to a visible area of any motorcycle on which the White Brothers' lowering kit has been installed in order to inform potential riders that the bike has been modified. Lowering your motorcycle will reduce clearance. This modification is installed for custom motorcycles and is not intended for motorcycles ridden on streets or highways.

INSTALLATION INSTRUCTIONS

1. Support the motorcycle so it is level and the rear wheel is off the ground. Place the support under the frame rails far enough to have clear access to the shocks. Make sure the motorcycle is well supported and will not fall over while you work on the shocks. If possible, have someone help you with the installation of this kit. At this time take a measurement from the rear axle to a spot directly above on the fender. Record the measurement (_____) inches, you will need to refer to it later.

2. Support the rear wheel and remove both shocks by unbolting both ends. Once the shocks are removed it will be necessary to disassemble them with the use of a press. Install the shock as illustrated in diagram (see back of page). It is only necessary to compress the shock about 1/2" to remove the retaining clip. However, once the clip is removed the shock will extend almost 3" before the spring pressure is relieved. When setting up the press, pump the ram down at least 3" before it engages the shock. Once the spring plate is compressed, hook out the circlip and release the pressure on the press.

3. Remove the shock assembly from the press. Slide the spring cover and spring off the shock body. You are now ready to install the adjustable rod ends. Place a wrench on the shaft locknut, unscrew the shock head and spring plate from the shaft. Remove the spring plate and jam nut from the shock head and install on the new hex shaft. Clean and red LocTite the hex shaft to the shock shaft. Tighten the shock shaft locknut and torque to 25 ft. lb.

   NOTE: The spring plate is used to adjust spring preload. Screw the plate towards the shock shaft locknut and tighten the plate jam nut. This is the lightest spring preload setting and may be adjusted later.

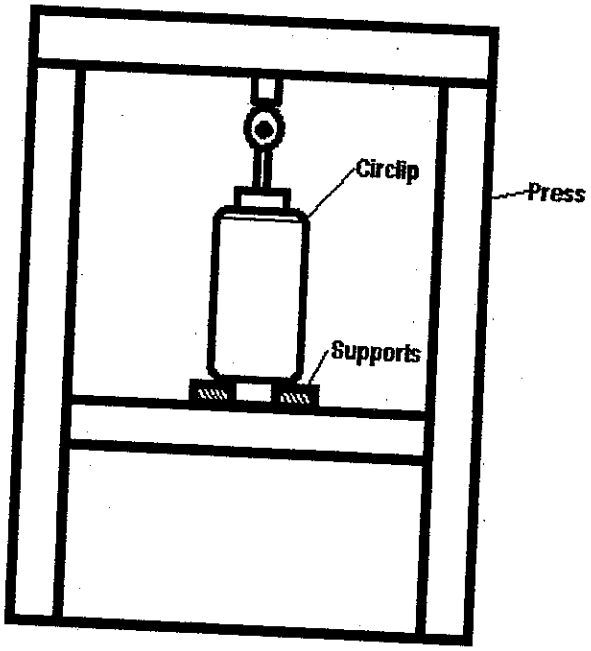
4. Replace the spring and spring cover onto the press for re-assembly. Carefully compress the shock assembly and install the retaining clip.

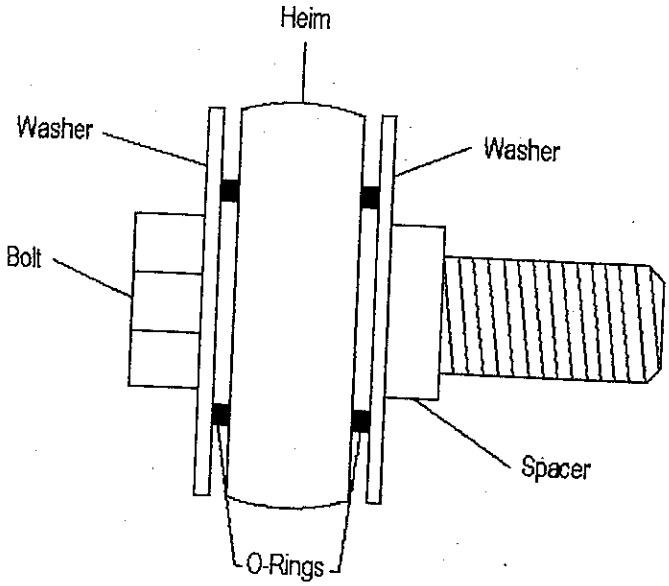
5. After repeating the adjuster installation on the other shock, adjust both heim fittings and jam nuts to the shortest overall shock length. Measure the eye-to-eye length and match the measurements so both shocks are the same length. Grease both heim balls with heavy grease or moly-disulfide (regrease every 3 months). Install the bolts, washers, O-rings and spacers to each heim fitting and reinstall both shocks. Use blue LocTite and torque shock bolts to 60 ft. lb. (be careful not to pinch O-rings).

6. The ride height may now be set. Loosen the adjuster jam nut on the W-B rod ends. (Do not loosen the jam nut at the shock body) Turn the hex shaft and spring cover assembly clockwise (viewing the shock from the rear) one at a time , so that the shocks extend evenly. Using your baseline setting from step 1, adjust your bike to the desired height. As a general rule, 4 Complete turns on the adjuster will lower the seat height 5/8".

   DO NOT EXCEED MORE THAN A 2.0" DROP OR 1/2" HIGHER THAN STOCK HEIGHTS. After adjustment, tighten the jam nuts and recheck installation. You will still be able to adjust shock preload. An increase is recommended to prevent hard bottoming when using a lower than stock setting.

WEAR EYE PROTECTION





Warning: Reducing the ride height on any motorcycle will create reduced cornering and ground clearance. The operator must use extreme caution when operating a modified motorcycle, particularly while familiarizing himself with its altered handling characteristics. After lowering, your side stand may require bending. Check your motorcycle for proper lean angle.

Updated 9/99 GT

Limited Guarantee: We continually inspect and try to improve our products. All parts have been inspected prior to packaging, and our guarantee is limited to replacement of defective parts. This guarantee is in lieu of all other guarantees or warrantees implied or expressed. Because we cannot control the application of our products, buyer assumes risks for any and all damage caused to himself or third party, by virtue of failure of these parts. We make no warranty as to products distributed by us, expressed or implied, including without limitation any warranties or merchant ability and fitness for a particular purpose. We will however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties. The manufacturer shall solely be responsible for any damage to person or property arising from design, manufacturing and testing of all products, and we accept no liability for such damages. We shall not be liable for indirect or consequential damages.