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WHITE BROTHERS

24845 Corbit Place, Yorba Linda, CA 92887 • Tel: (714) 692-3404 • FAX: (714)692-3409

WHITE BROTHERS "LOWBOY" SHOCK LOWERING KIT
HARLEY-DAVIDSON SOFTAIL FXST/FLST '89-'97
Part Number 28-205

WARNINGS & ALERTS

- *To maintain proper balanced geometry, we recommend lowering the front and rear of the motorcycle equally. White Bros. offers fork lowering kits for your motorcycle, too.*
- *The operator must use extreme caution when operating a modified motorcycle, particularly while familiarizing himself with its' altered handling characteristics.*
- *Check your motorcycle for proper parking lean angle. After lowering, your sidestand may require bending.*
- *Owners of any model using a lowering kit with saddlebags (hard or soft) must check for sufficient clearance.*
- *Installation time is usually under 60 minutes, with no permanent modifications required to the machine.*
- ***Enclosed sticker must be applied to the forks of any motorcycle the White Brothers' lowering kit has been installed on.***

INSTALLATION INSTRUCTIONS

1. Support the motorcycle so that it is level and the rear wheel is off the ground. Place the support far enough forward that you will have clear access to the shocks. Be sure that the motorcycle is well supported and will not fall over as you work on the shocks. A good idea would be to have someone assist with the installation of this kit.

2. Remove the right side shock by unbolting both ends. Once the shock is removed, it will be necessary to disassemble it with the use of a press. Install the shock into the press as illustrated. It is only necessary to compress the shock approximately 1/2" to be able to remove the retaining clip. However, once the clip is removed the shock will extend approximately 3" longer than stock 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 shock is compressed, pry up one end of the retaining clip and remove the clip.

3. Remove the shock assembly from the press at this time. Slide the spring housing and spring off the shock body. Now you are ready to install the longer rod ends. Place a wrench on the locking nut and a rod through the rod end and unscrew it. Unscrew the spring plate and nut from the rod end and screw them directly onto the new White Brothers rod end. Screw the new rod end onto the shock and secure it with the locknut. Torque to 25-30 ft. lbs.

   NOTE: The spring plate is used to adjust spring pressure. During assembly, screw the plate lightly against the rod end locking nut.

4. Replace the spring and housing onto the shock body. Place the shock back into the press for reassembly. Carefully compress the shock assembly and replace the retaining clip.

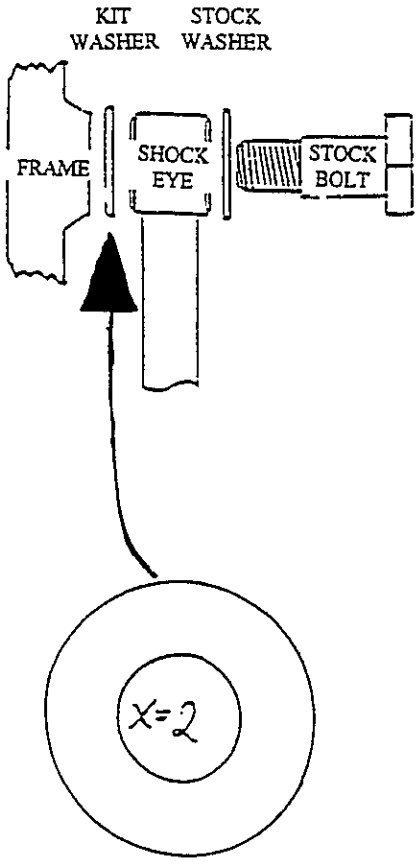
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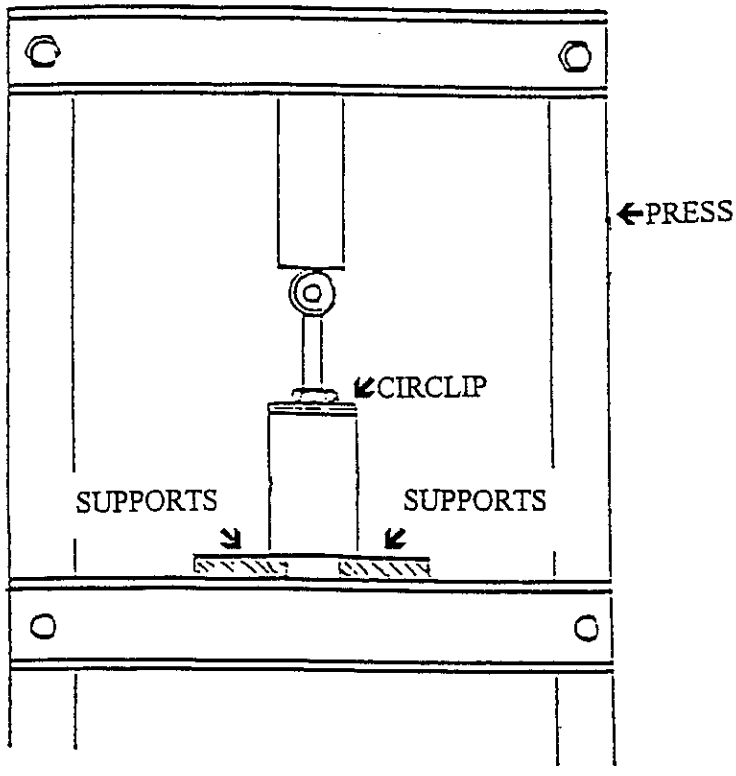
5. Before this shock can be re-fitted onto your Harley, the other shock must be loosened. Support the rear wheel while the bolts are being removed. Reinstall the newly lengthened shock. Install washer supplied between rod end and frame lug (see illustration).

NOTE: When reinstalling shock mounting bolts, use blue loc-tite, and bolt them to factory spec. 115-130 ft. lbs.

6. Repeat this process on the remaining shock. After installing the WB lowering kit, you will be able to adjust your shock spring pre-load just as before.

7. After installing the lowering kit, your side stand may be too long and require shortening or bending. Check your machine for proper tilt angle on stand. Alter side stand if necessary.





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.

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HARLEY-DAVIDSON SOFTAIL FXST/FLST '89-'95
Part Number 28-205

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. It is not intended for motorcycles ridden on streets or highways.

INSTALLATION INSTRUCTIONS

1. Support the motorcycle so that it is level and the rear wheel is off the ground. Place the support far enough forward that you will have clear access to the shocks. Be sure that the motorcycle is well supported and will not fall over as you work on the shocks. A good idea would be to have someone assist with the installation of this kit.

2. Remove the right side shock by unbolting both ends. Once the shock is removed, it will be necessary to disassemble it with the use of a press. Install the shock into the press as illustrated. It is only necessary to compress the shock approximately 1/2" to be able to remove the retaining clip. However, once the clip is removed the shock will extend approximately 3" longer than stock 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 shock is compressed, pry up one end of the retaining clip and remove the clip.

3. Remove the shock assembly from the press at this time. Slide the spring housing and spring off the shock body. Now you are ready to install the longer rod ends. Place a wrench on the locking nut and a rod through the rod end and unscrew it. Unscrew the spring plate and nut from the rod end and screw them directly onto the new White Brothers rod end. Screw the new rod end onto the shock and secure it with the locknut. Torque to 25-30 ft. lbs.

   NOTE: The spring plate is used to adjust spring pressure. During assembly, screw the plate lightly against the rod end locking nut.

4. Replace the spring and housing onto the shock body. Place the shock back into the press for reassembly. Carefully compress the shock assembly and replace the retaining clip.

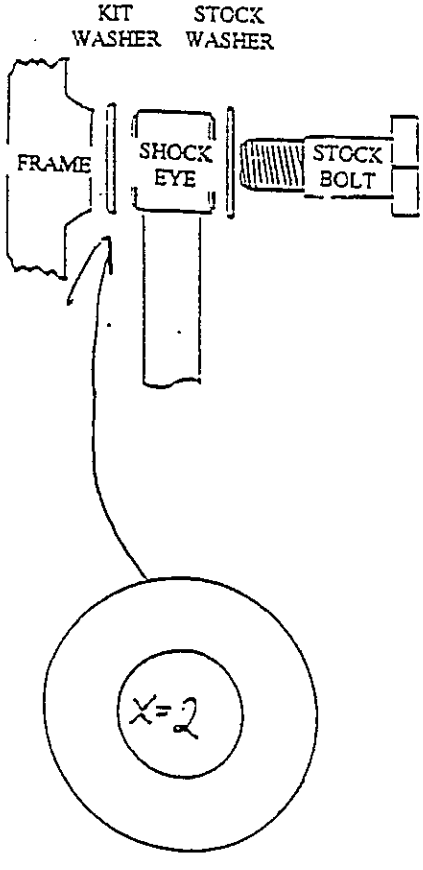
5. Before this shock can be re-fitted onto your Harley, the other shock must be loosened. Support the rear wheel while the bolts are being removed. Re-install the newly lengthened shock.

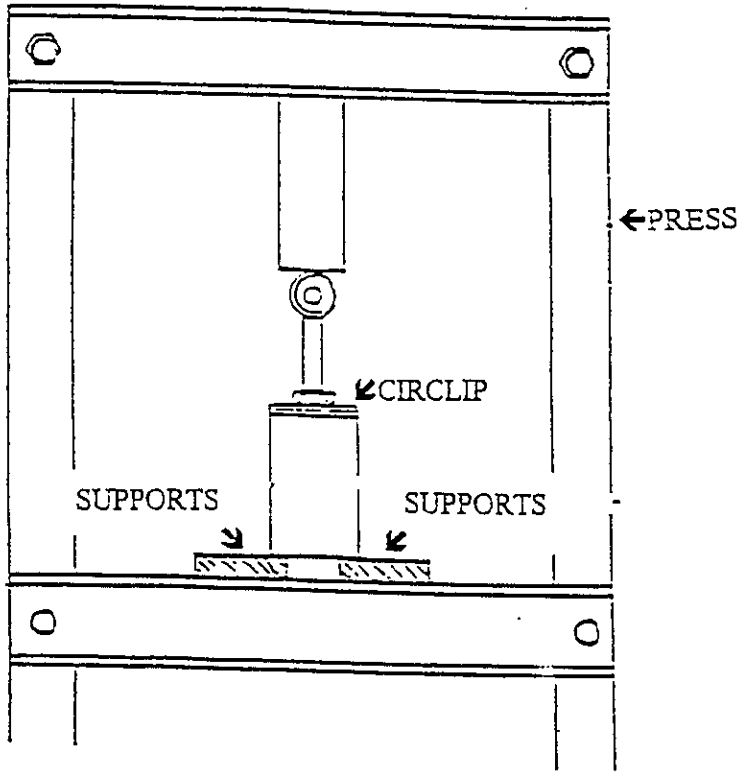
   NOTE: When re-installing the shock mounting bolts, use blue Loc-tite and torque them to factory specifications (115-130 ft. lbs.).

6. Repeat this process on the remaining shock. After installation of the White Brothers Lowering Kit, you will still be able to adjust your shock spring pre-load the as you did before.

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WARNING: Reducing 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 yourself with its altered handling characteristics. This modification is intended for custom motorcycles. It is not intended for motorcycles ridden on the streets o r highways. Also, after lowering, sidestand may require re-bending for proper parking/lean angle.





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 warrantees 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.