

# WHITE BROTHERS

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## WB LOWBOY LOWERING KIT PART NUMBER 28-280 HARLEY-DAVIDSON DYNA MODELS 1991-1999

### WARNINGS & ALERTS

**\*IMPORTANT\*** This kit was designed for use with stock length (12.5") shocks ONLY!. We do not recommend using shorter than stock length (12.5") shocks with this kit. We highly recommend that your dealer install this kit. For proper installation, the rear wheel and shock springs must be removed. If you do not have access to a stand capable of supporting/lifting the motorcycle so that the wheel can be removed, as well as a tool capable of removing/replacing the shock spring, please allow your dealer to assist you.

- 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.
- Will not fit FXD Convertibles w/ OEM saddlebags! Owners of any model using saddlebags (hard or soft) must check for sufficient clearance.
- Should not be used on FDXL (Lowrider). This motorcycle is equipped with shocks that are less than 12.5" from the factory.
- Installation time is usually under 2 hours, 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 motorcycle securely so that rear wheel is off the ground.
2. Remove rear exhaust muffler to gain access to axle/axle nut.
3. Remove drive belt guard.
4. Remove rear wheel and slide brake caliper assembly off swingarm.
5. Remove shocks. Install 1/2" Travel Limiters following the guidelines below.

Refer to drawing as for assistance. (See the reverse side\*)

- a) To remove shock springs, compress spring & remove spring retainer that holds & locates spring on shock.
  - b) Twisting the snap ring slightly, slip the snap ring onto shock shaft between shock body and rubber bumper.
  - c) Install travel limiter halves onto shock shaft. Using snap ring pliers, install snap ring into groove of travel limiter.
  - d) Re-install shock springs.
6. Install smaller Lowering Kit Bracket to the right side of swingarm, through hole in stock shock mount. Use 1/2"-20x1.25" long bolt (provided) from backside of swingarm mount. secure with 1/2"-20 Nylock nut (provided). Torque to 30 foot pounds.
  7. Repeat the above (#6) for the left side (larger) Lowering Kit Bracket.
  8. Place 1/2"-20x3" bolt (provided) in right side Lowering Kit Bracket hole (this bolt is for new shock position).
  9. Place 1/2"-20x2.5" bolt (provided) in left side Lowering Kit Bracket hole (this bolt is for new shock position).
  10. Remove the right side upper shock stud. Install the steel spacer (provided) and remount the stud. The right shock mount requires this spacer for proper alignment.
  11. Re-install both modified shocks onto their new mounting positions (stock Acorn nuts and washers are retained on lower mounts). Torque top/bottom nuts/bolts to 25 foot pounds.
  12. Re-install rear wheel & brake caliper assembly. Refer to Harley manual for proper belt alignment and axle/nut torque.
  13. Install belt guard, being sure to check for proper clearance at fender to belt guard. Trim belt guard if necessary.



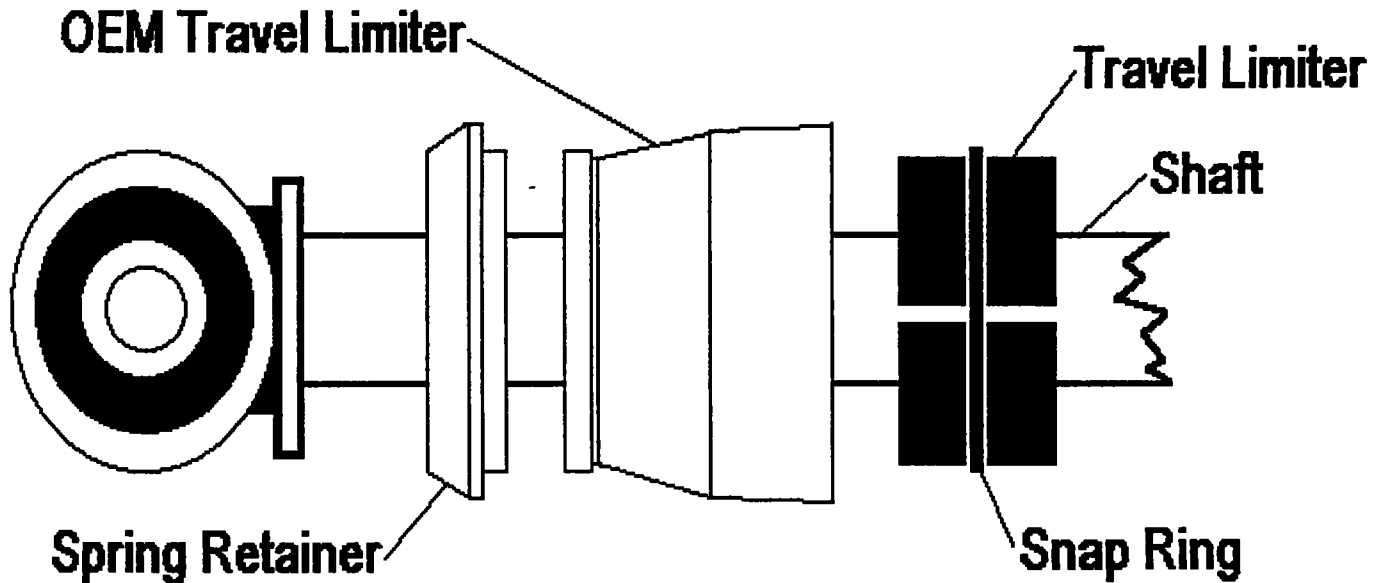
# Warning!!!

This kit is designed for use with the stock size tire and stock length (12.5") shocks. Fender to tire clearance will be reduced if a larger tire or shorter shock is used. \*While the springs are removed from the shocks: check the tire to fender clearance, brake caliper to fender clearance, belt guard to fender clearance.

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 yourself with its altered handling characteristics.

After lowering, the sidestand may require bending for proper lean angle.

Updated 4/00 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 warranties 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.