

INSTALLATION INSTRUCTIONS: Leaf Spring Shim Kit



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6609 Bronco Ln.
Knoxville, TN 37921

PART#5542, 5544, 5546

CONTENTS:

1 pr. Degreed Shims

1 pr. 3/8"-24 x 4" Replacement Center Bolts & Nuts

1/1 9/15

Note: We have included the center bolts for our and most 11-leaf spring packs. If you have older packs with 5/16" pins, you can either drill out your packs for the heavy duty pins or source 3 1/2" long pins.

Please read completely before beginning. Before disassembly, verify that your U-Bolts will be long enough to account for the additional thickness of the shims.

1. Place blocks under front wheels to keep vehicle from rolling.
2. Raise the rear of vehicle (place jack under the center of the axle) until the tires are off the ground. Place jack stands under the vehicle's frame.
3. Remove the back tires and wheels.
4. Remove the u-bolts on both sides that hold the leaf springs to the axle.
5. Slowly lower the rear axle until the axle is free of the leaf springs. Secure axle on jack stands.
CAUTION: be careful not to overextend the driveshaft.
6. Use a C-clamp to hold the leaf springs together near the center pin. Remove the center bolt.
7. Install shim on bottom of the leaf pack (with thick end to the rear of the vehicle.) Insert new center bolt from the bottom. Tighten bolt, making sure the shim stays lined up with the spring pack.
8. Lower the frame back down until the center pin lines up and goes into the hole in the spring perch. You may have to move the axle around a bit to get them to line up.
9. Reinstall the spring plate and u-bolts. Inspect the u-bolts for damaged threads or stretching, if either is present, you should replace them. Also, depending on the length of your u-bolts, you may need to replace them to allow the additional thickness of the shims. Torque to 55-80 ft lbs.
10. Reinstall tires and wheels. Lower vehicle to the ground.
11. Test drive vehicle, go slowly, listening for any problems. After test driving make sure to double check all bolts for tightness and then again after 200 miles of travel.

LIMITED WARRANTY

James Duff Inc. warrants our products to the original purchaser to be free from defects in materials and workmanship. Warranty periods begin at the date of purchase and varies by product. Shocks have a limited lifetime warranty. Headers, Radiators, Suspension Products, Power Brake Boosters and Master Cylinders have a one year warranty. Adapters and soft goods such as vinyl and rubber products have a 90 day warranty. All warranties are to the original purchaser with proof of purchase only. Such obligations under this warranty shall be limited to the repair or replacement, at JDI's discretion, of any assembly or part which upon examination by JDI proves to be defective. Any costs of removal, installation, reinstallation or freight charges are expressly excluded from this warranty. This warranty covers only manufacturers defects, and does not cover product finish or damage resulting from abuse, misuse, negligence, racing, alteration, accident or damage in transit.

All returns must be pre-authorized by JDEI and accompanied with a Return Goods Authorization Number (RGA) and a dated proof of purchase. Returns must be made within 90 days of purchase, shipped prepaid, sufficiently packaged to prevent damage in shipment and sent to JDI, 6609 Bronco Ln., Knoxville, TN 37921 Returns without an RGA# will be refused.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for use. This warranty gives you specific legal rights including other rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion of limitation of incidental or consequential damages, so the above limitations and/or exclusions may not apply to you.

SUSPENSION PRODUCT INFORMATION

Modifying your vehicle with JDEI products to improve off road performance may result in the vehicle handling differently than a factory equipped vehicle. Taller tires will cause the vehicle's speedometer to read slow, so recalibration is required. Use of oversize tires, suspension lifts, body lifts, and other modifications may raise your vehicle's center of gravity, resulting in an increased tendency for the vehicle to pitch and roll during sudden turns or abrupt maneuvering. Failure to drive with extreme care to prevent loss of control or vehicle roll over may result in injury or death. Drive at a reduced speed to ensure your ability to maintain control of the vehicle under all driving conditions. We recommend installing functional roll bars and cages as well as double shocking all vehicles for more safety and stability on or off road. Always wear seat belts when in a vehicle. Consult your owners manual for recommended tire sizes, safety instruction and warnings unique to your vehicle. It is your responsibility to check state and local laws restricting vehicle height to ensure that modifications to your vehicle are legal.