

## Trail Boss and AT4 front leveling kit instructions



### Install instructions

- 1: To begin install, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support the frame with jack stands. Place jack stands on both sides of the vehicle and remove both front tires.
- 2: Using a 15mm wrench, unbolt the nut for the swaybar end-link. Take out the sway bar end-link.
- 3: Unbolt the brackets for the abs line using a 10mm socket/wrench.
- 4: Unbolt the single 13mm bolt holding the brake line bracket to the coil housing
- 5: Support the lower control arm with a floor jack.
- 6: Using a 21mm socket unbolt the nut holding the tie rod to the knuckle.
- 7: Using an 18mm socket loosen the nut holding the upper ball joint to the knuckle.
- 8: Strike the side of the knuckle where the upper ball joint and tie rod are with a hammer.  
The upper ball joint and tie rod will separate from the knuckle.
- 9: Remove the tie rod and upper ball joint from the knuckle.
- 10: Using a 18mm wrench, unbolt the three nuts holding the strut assembly to the frame/housing.
- 11: Using a 15mm socket unbolt the two bolts holding the strut to the lower control arm. The head of the bolts is on the underside of the lower control arm.
- 12: Remove the axle nut from the center of the brake rotor and unseat the axle from the hub
- 13: Slowly remove the floor jack for the lower control arm and remove the strut from the vehicle.
- 14: Place the strut in a spring compressor. Remove the nut from the top of the strut.
- 15: Remove the strut from the coil spring.
- 16: Remove the spring isolator and install the preload spacer onto the strut with the chamfer down.
- 17: Reinstall the strut into the coil spring and tighten the 18mm nut to hold the strut in place
- 18: Remove the strut from the coil spring compressor
- 19: Insert the strut back into the truck and start the top nuts to hold the strut in place.
- 20: Install the lower strut spacer between the lower strut mount and the lower control arm. Secure it with the factory hardware.
- 21: You can then tighten the top strut mount nuts to factory spec.
- 22: Reinstall the upper ball joint and tie rod leaving the sway bar disconnected until the other side is completed.
- 23: Torque the axle nut down to factory spec
- 24: Reinstall the ABS brackets and the brake line bracket.
- 25: complete the install on the other side of the vehicle.
- 26: retorque all hardware after 250 miles.

**!!!A front end alignment is required after installing any leveling kit!!!**

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