



Installation Instructions #021

Daystar 2.5" Front Coil Spacer Kit for 2003+ 4Runner with X-REAS



Caution

1. Read all instructions completely and carefully before you begin. If anything is not clear, please call our tech support line at (541) 474-2879 or e-mail support@wheelersoffroad.com before proceeding.
2. Check to make sure the kit is complete and that no parts are missing. If anything is missing, please contact Wheeler's at (541) 474-2879 or e-mail support@wheelersoffroad.com.
3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
4. This product is for off-road use only. It is recommended that the installation steps below be performed by a competent mechanic. Buyers and users of this product hereby expressly assume all risks associated with the installation and use of this product.
5. This installation is typical for most vehicles. Some years or models may vary. If necessary, refer to the proper Factory Service Manual for the year and model of your vehicle.
6. This kit will modify your vehicle to enhance its performance. The steering, braking, and handling of this vehicle will differ from standard passenger cars and trucks. Avoid unnecessary abrupt maneuvers, sudden stops, sharp turns, and other driving conditions that could cause loss of control, possibly leading to a roll over or other accident that could result in serious injury or death to driver and passengers. If larger tires are installed the speedometer will read lower than the actual vehicle speed. **DRIVE WITH CARE, REDUCE SPEED, AND WEAR SEAT BELTS AT ALL TIMES.**



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WOR-307193

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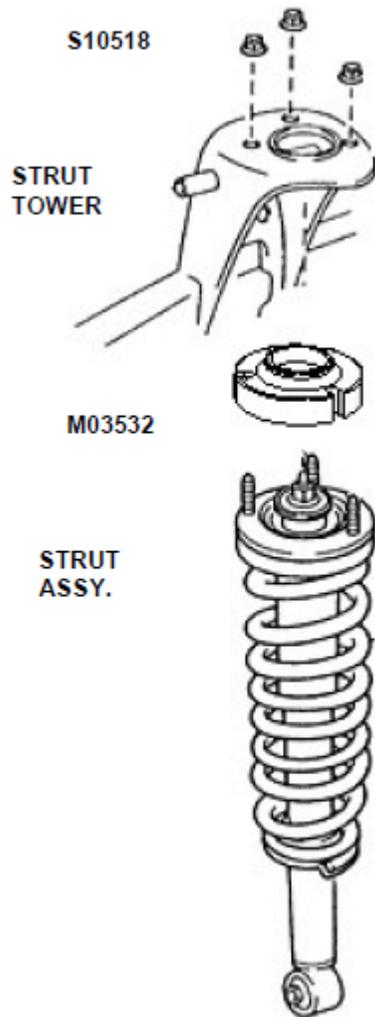
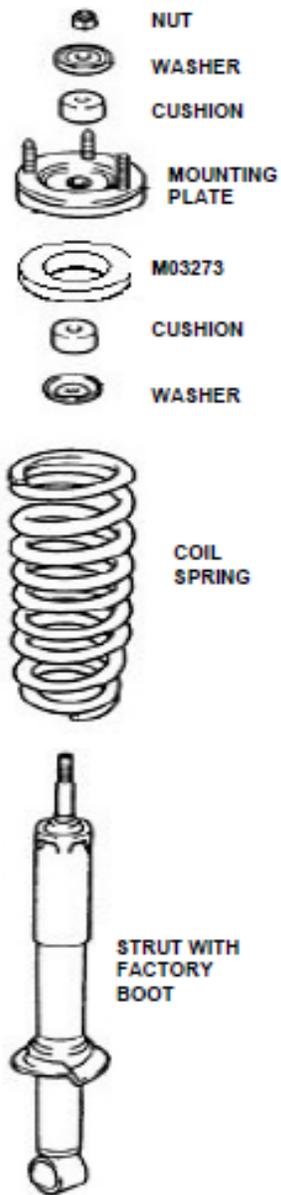
1. Read complete instructions before beginning installation, the following special tools are recommended: Coil spring compressor (rod style), floor jack, ball joint separator, jack stands, bench vise, and metric hand tools.
2. Lift the vehicle with the jack in the center of the front crossmember.
3. Support the vehicle by placing jack stands on the frame crossmember so that the front tires/wheels are off the ground.
4. Remove the front tires/wheels.
5. Disconnect the sway bar end link nut on the spindle and remove the upper ball joint cotter pin and nut.
6. Using ball joint separator or a suitable tool, separate the upper ball joint from the spindle. Use care to avoid damage to the ball joint boot.
7. Remove upper strut tower nuts holding strut assembly to strut tower. There are (3) on each side of vehicle.
8. Remove the lower strut bolt from the lower control arm and remove the strut assembly from the vehicle. Note the direction of the bolt for later reinstallation.
9. When installing this kit you will need to compress the strut in the wheel well without removing the X-REAS line. **DO NOT disconnect the X-REAS line that goes to the struts.**
10. You will need to use a rod style spring compressor.
11. Compress the coil spring on the strut assembly with a suitable coil spring compressor so that the coil spring has about 3/8" play in the strut. Remove the upper strut isolator mount nut.
12. Remove the compressed coil spring from the strut.
13. Remove the coil spring isolator from the upper strut mounting plate.
14. Replace the upper strut mounting plate studs with the supplied 10mm longer studs S10762 with a bench vise and a deep well socket. There are (3) on each side.
15. Install the supplied coil spring isolator MO3273 to the upper strut mounting plate
16. Reinstall the compressed coil spring onto the strut assembly and reattach the upper strut mount plate using the stock hardware. See diagram on next page. Torque upper strut mounting plate nut to 18 foot-pounds.
17. Decompress the coil spring in the strut assembly. Make sure that the spring is seated correctly into the strut assembly alignment indentation at the bottom of the strut and the top isolator.
18. Slide the coil spring spacer M03532 onto the top of the strut assembly over the 10mm studs.
19. Install the strut assembly into the strut tower and start the upper three 10mm lock nuts S10518. Make sure that the bottom of the strut is aligned as well.
20. Install the lower strut bolt removed in Step 8 back in the original position and torque to 100 foot-pounds.
21. Using the floor jack, raise the lower control arm and connect the upper ball joint on the upper control arm to the spindle. Torque nut to 80 ft-lbs and make sure that you replace the cotter pin (cotter pin not provided).
22. Reconnect the sway bar end links.
23. Install the front tires/wheels.
24. Lower the vehicle onto the ground and tighten the upper strut tower 10mm nuts S10518. Torque to 35 foot-pounds. There are (3) on each side.
25. A front-end alignment should be performed immediately after installation of this kit. Failure to properly align the front end will lead to premature and uneven wear on the tires, damage front suspension components, and may cause an unsafe driving condition.
26. RETORQUE ALL BOLTS AFTER 500 MILES.

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