IS-50

ADS Installation Instructions for:
2021-2024 TRX, 2025 RHO Front Shocks (Coil-Over)

300-0TRXF-MBR

Support vehicle from frame rail with properly rated jack stands. Allow suspension to hang freely.

Remove wheels from front axle.

Remove the outer tie rod connection to allow steering knuckle to rotate freely.

Disconnect lower strut mounting hardware and sway bar end link to allow suspension to relax downward.

Disconnect upper control arm outer ball joint and pivot control arm upwards.

Support lower control arm and spindle.

IMPORTANT: **Ensure lower axle inner CV joint does not slide out when supported**

Remove upper strut mounting hardware. Slide out factory strut assembly as one unit.

Locate correct side ADS Coil over assembly.
Hose and fitting faces towards the front of the vehicle.

Install strut into factory mount with provided hardware.
Torque all studs to 25ft-lbs, nut hex size is 9/16”.

Install factory lower strut hardware and torque to factory specifications.

Re-install upper ball joint and lower strut hardware using factory torque specifications.

Reinstall steering tie rod connection and torque to factory specifications.

Route reservoirs forward, keeping clear of pivot and pinch points. With supplied reservoir mounts, locate factory mounting holes on front crossmember. Remove factory shield if equipped. Install spacers between bracket and frame to create clearance between bracket and steering rack hardware. Install into factory holes with provided hardware do not over tighten hardware.

Loosely install reservoirs onto brackets with provided clamps. Check for clearance and ensure there are no kinks or pinching of the hoses. Some adjustment of hoses may be necessary. Ensure all fittings are tight and fully secure reservoir clamps.

Reinstall sway bar end links and torque to factory specifications.

Reinstall wheels. Torque lug nuts to factory specifications.

Alignment

A professional alignment is highly recommended to be performed before driving this vehicle at highway speeds.

Preload

This system is a fixed ride height system. Do not attempt to adjust spring hardware to increase ride height. If additional lift height is needed, please contact ADS for technical support.

Note: Ride height sensor/tuner modifications may be required to maintain normal shift patterns

520-748-0005 or at techsupport@adsshocks.com

4 Way Adjustable Reservoir Details:

- Remove the red caps from the reservoir to expose the 4-way adjuster system. Each adjuster will be labeled either compression or rebound.
- The hex adjuster provides high speed tuning with 2.5 turns of adjustment, from soft to firm.
- The flat head adjuster is low speed tuning with a range of 3-4 turns.
- The adjusters are sent out in the full soft position from the factory.
- Turning the adjuster clockwise firms up travel and counterclockwise softens travel.

Reservoirs are factory charged with nitrogen to **250 psi**.

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