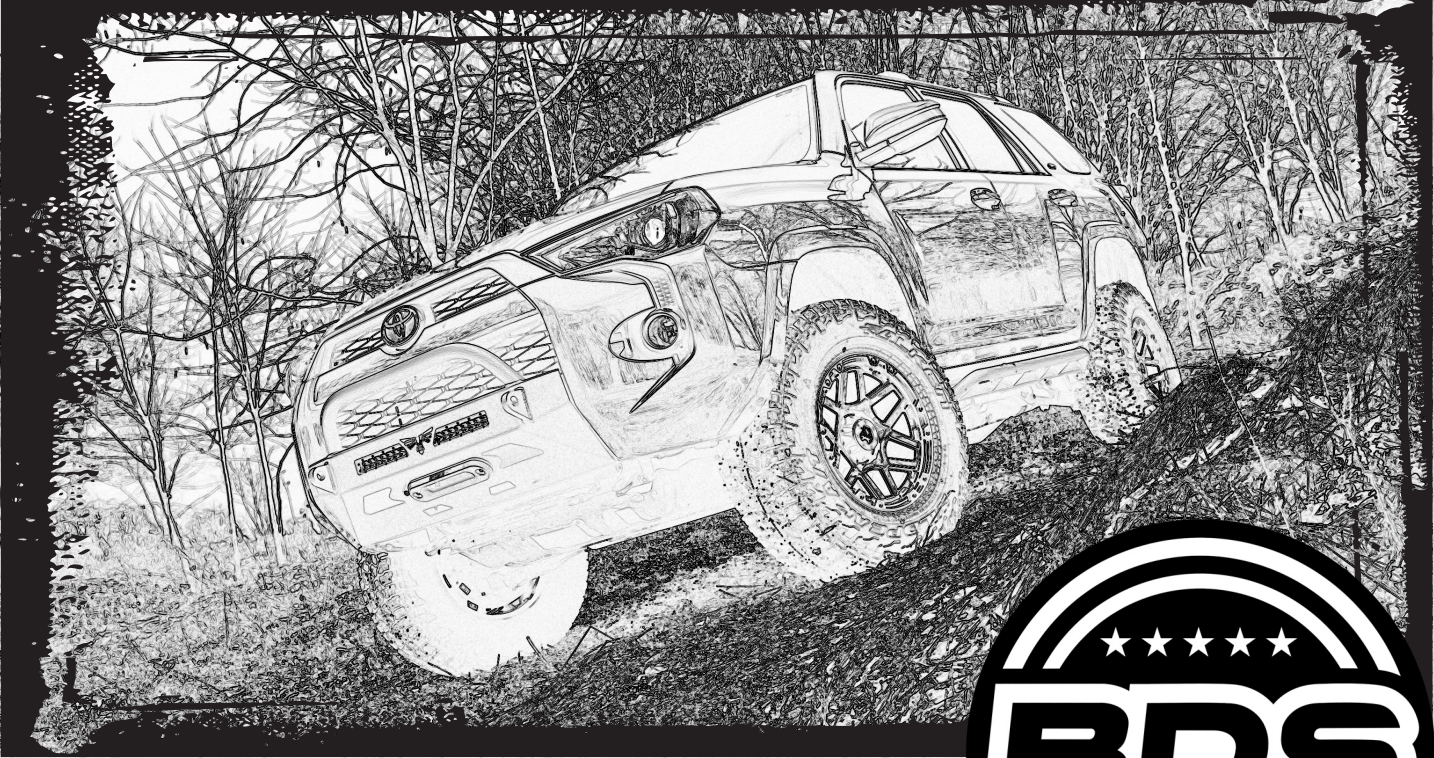


INSTALLATION GUIDE



Part#: 018159



HARDCORE LIMITED LIFETIME WARRANTY

1.5" Rear Coil Spring Kit

Toyota Four Runner 4WD | 2010-2024

Rev. 043026

491 W. Garfield Ave., Coldwater, MI 49036 • Phone: 517-279-2135

Web: www.bds-suspension.com • E-mail: tech-bds@ridefox.com

Read And Understand All Instructions And Warnings Prior To Installation Of System And Operation Of Vehicle.



THANK YOU

Your truck is about to be fitted with the best suspension system on the market today. That means you will be driving the baddest looking truck in the neighborhood, and you'll have the warranty to ensure that it stays that way for years to come.

Thank you for choosing BDS Suspension!

BEFORE YOU START

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

FOR YOUR SAFETY

Certain BDS Suspension products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. BDS Suspension Co. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices. You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

BEFORE INSTALLATION

- Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
- Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
- Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
- Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
- Secure and properly block vehicle prior to installation of BDS Suspension components. Always wear safety glasses when using power tools.
- If installation is to be performed without a hoist, BDS Suspension Co. recommends rear alterations first.
- Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.



Visit 560plus.com for more information.

TIRES AND WHEELS

FJ Cruiser | w/285/75 R16 and Stock BS

4Runner | w/275/60R20 and Stock/4.75" BS

4Runner | w/285/70R17 and 17 x 8 w/ 5" BS



BEFORE YOU DRIVE

Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.

Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.

Perform head light check and adjustment.

Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

CONTENTS OF YOUR KIT

Box Kit		
Part #	Qty	Description
B1641	1	Bag Kit
5517	2	2010-2023 Toyota 4 Runner Rear Sway Bar Link
518	1	Bolt Pack
A128	1	Sticker Tube - BDS
038208R	2	Toyota 4 Runner 1.5" Rear Coil Spring

INSTALLATION INSTRUCTIONS

SPECIAL TOOLS

INSTALLATION INSTRUCTIONS

REAR INSTALLATION

1. Block the front wheels for safety.
2. Raise the rear of the vehicle and support the frame with jack stands.
3. Support the rear axle with a hydraulic jack.
4. Check brake lines and abs wires, may need to be unbolted to provide enough slack.
5. Disconnect rear sway bar links, retain bushings / washers.
6. Unbolt track bar at the axle end.
7. Disconnect rear shocks (retain hardware) and lower the axle.
8. Remove coil springs retaining insulators to be installed on new springs.
9. Install coil spring insulator on new spring and install into spring pocket.
10. Jack up rear axle high enough to install rear shocks.
11. Install new rear shocks with new bushings and washers. Attach the lower mount as shown with OE hardware and spacer washer. Tighten upper nut until bushings begin to swell. Tighten lower hardware to 65 ft-lbs. (Fig 5)

FIGURE 5



12. Install new sway bar links with new lower hourglass shaped bushing and sleeve. Attach with 12mm x 60mm bolt with 7/16" USS (large outside diameter) washers, and nut (BP #518). Attach top of sway bar link with OE bushings / washers and new 5/16" nylock nut. Tighten 5/16" nut until bushings begin to swell, torque 12mm hardware to 45 ft-lbs.

13. Lower vehicle to ground and bounce suspension to allow it to settle.
14. Reattach track bar at the axle end, torque to factory spec.
15. Recheck all fasteners for proper torque.
16. A front end alignment must be performed.
17. Recheck all fasteners after 500 miles and at regular scheduled maintenance intervals.



WE WANT TO SEE YOUR RIDE!

Grab photos of your BDS-equipped truck in action and send them in for a chance to be featured. Send it in to our Bad Ass Rides customer gallery at bds-suspension.com/bar and post them on the BDS Fan Page on Facebook at facebook.com/BDSSuspensions. Don't forget about your BDS swag! BDS offers t-shirts, hoodies, decals and more available on the BDS website or through your local BDS distributor.

TIME TO HAVE SOME FUN

Thank you for choosing BDS Suspension.

For questions, technical support and warranty issues relating to this BDS Suspension product, please contact your distributor/installer before contacting BDS Suspension directly.