TRAIL FORTRESS

BUILT FOR THE TRAIL. CHECKED FOR YOUR TRUCK.

ICON Vehicle Dynamics 212150 Installation Instructions

1.5-Inch Rear Dual Rate Spring Kit for Ram 1500

Part number: 212150

trailfortress.com/icon-vehicle-dynamics-09-23-ram-1500-rear-1-5-dual-rate-spring-kit-212150

Scan for fitment, price and install help

ICON VEHICLE DYNAMICS®
7929 Lincoln Ave. Riverside, CA 92504
Phone: 951.689.ICON | Fax: 951.689.1016

212150 INSTALLATION INSTRUCTIONS

10-17-2019 REV.A

PART #	DESCRIPTION
212150	2009-UP RAM 1500 REAR 1.5" DUAL RATE COIL SPRING

COMPONENTS INCLUDED

(2) 218150 2009-UP RAM 1500 REAR 1.5" DUAL RATE COIL SPRING	

HARDWARE INCLUDED

N/A	

TOOLS REQUIRED

FLOOR JACK JACK STANDS TORQUE WRENCH	15MM SOCKET / WRENCH 18MM SOCKET / WRENCH

TECH NOTES

N/A



WARNING!

*** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!*

*** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.*

*** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.*

INSTALLATION

1. Using a properly rated jack, raise the front of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the front wheels.

2. Remove the sway bar link from the sway bar using (2) 18mm. **[FIGURE 1]**

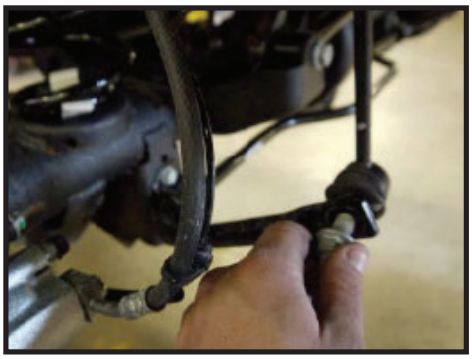


FIG.1

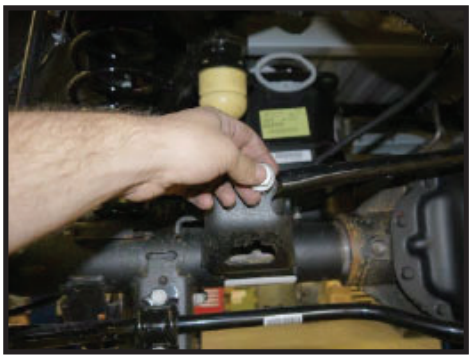


FIG.2

3. Remove the track bar bolt from the axle using a 21mm. **[FIGURE 2]**

trailfortress.com/icon-vehicle-dynamics-09-23-ram-1500-rear-1-5-dual-rate-spring-kit-212150

4. With the axle supported, disconnect the shocks from the axle using (2) 21mm. Slowly lower the axle just enough to remove the rear coils. Be careful not to damage the brake lines **[FIGURE 3].** If ICON shocks were purchased, refer to shock instructions.

FIG.3



5. Install the ICON coils and lift the axle enough to connect the shocks. Connect the shocks using (2) 21mm. **[FIGURE 4]** [Torque to factory spec]

FIG.4



6. Reconnect the sway bar to the sway bar links using (2) 18mm. [Torque to factory spec]

7. Reconnect the track bar using a 21mm. [Torque to factory spec]

8. Remount the wheels and set the truck on the ground.

VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.

ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.

ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.

trailfortress.com/icon-vehicle-dynamics-09-23-ram-1500-rear-1-5-dual-rate-spring-kit-212150