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| PART # | DESCRIPTION |
|--------|---|
| 211020 | 21-23 RAM TRX 2.5 BUMP STOP 2.25 TRAVEL |

| COMPONENTS INCLUDED | |
|---|--|
| (2) 214961 2.5 BUMP STOP 2.25 TRAVEL TRX | (2) 214042 TRX BUMP STOP MOUNT |
| HARDWARE INCLUDED | |
| | |
| TOOLS REQUIRED | |
| FLOOR JACK JACK STANDS SPRING COMPRESSOR BARREL SANDER | PRY BAR 16MM WRENCH / SOCKET TORQUE WRENCH |
| TECH NOTES | |
| 1. ONLY FITS RAM TRX | |
| 2. ESTIMATED INSTALL TIME: 2 HOURS | |



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. Place the truck on a flat surface with the parking brake engaged, chock the front tires.
2. Use a suitable floor jack in the manufacturer designated spot on the frame to lift the rear of the truck, then place a suitable jack stand under the frame and set the truck down securely on the jack stand. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the rear wheels and tires.
3. With the rear axle drooped out, use a spring compressor, slip it inside the spring and compress the spring until it can be removed. The spring can be marked to be sure it goes back into place in the same orientation. [FIGURE 1]
4. Remove the spring and set aside. Leave it on the spring compressor.

5. Use a screwdriver or small pry bar to release the hose clip from the rear stud of the factory bumpstop. [FIGURE 2]

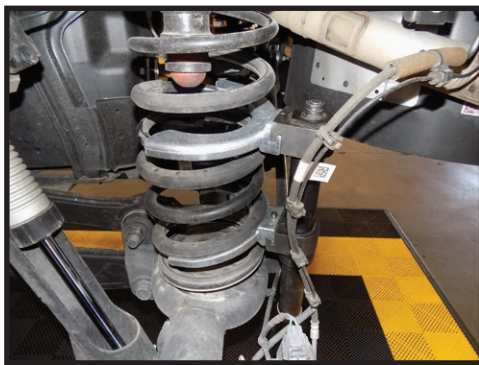


FIG.1



FIG.2

6. Use a 16mm wrench to loosen and remove the two nuts holding the bump stop in place. These will not be reused. [FIGURE 3 & 4]

FIG.3



FIG.4



7. Grab the new mount and ICON bump stop and slip the bump stop into the can. Aligning the small screw with the small hole in the top of the can. Thread the supplied nut on and snug in place (It will get tightened when installed on the truck). [FIGURE 5 & 6]

FIG.5



FIG.6



8. Remove the rubber isolator from the bump stop. You will need to barrel sand the inside of the isolator to fit onto the new ICON bump stop mount. [FIGURE 7 & 8]

FIG.7

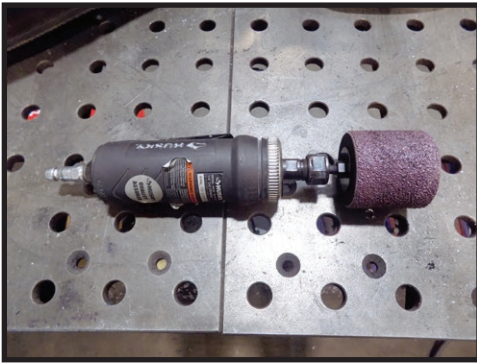
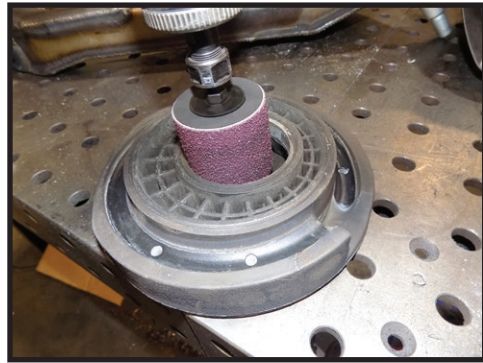


FIG.8

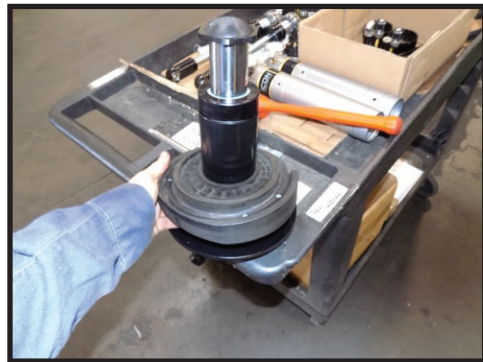


9. Once the isolator fits, place it onto the new mount, making sure the rubber nipples fit inside the designated holes (The new and old mounts have all the same holes). [FIGURE 9 & 10]

FIG.9



FIG.10



10. Now install the mount and isolator into the truck and snug the supplied nuts down. [FIGURE 11]



FIG.11

11. Take the compressed spring and reinstall it into the truck just as it was removed. Making sure the end of the spring seats into the isolator correctly. [FIGURE 12 & 13]



FIG.12



FIG.13

12. Tighten the bump stop mount nuts down to 35 ft-lbs.

13. Tighten the bump stop retaining nut down to 50 ft-lbs.

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.



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