



ICON VEHICLE DYNAMICS

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Part No. 211200
2.5" Lift Expansion Leaf Spring Pack
2003-Present Dodge Ram 2500-3500

Enclosed Parts List:

- | | |
|---------------------------------|--|
| (2) Expansion Leaf Spring Pack. | |
| (2) Locating Pins | |

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!

Warning! Icon Vehicle Dynamics recommends that you exercise extreme caution when working under a vehicle that is supported with jack stands or on a lift.

LEAF SPRING EXPANSION PACK INSTALLATION INSTRUCTIONS:

ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK FRONT TIRES!

1. Jack up the rear of the vehicle at the Dodge approved jacking points. Support the vehicle using jack stands.
2. Remove the rear shock lower bolts.
3. With a floor jack under the rear end loosen and remove the U-bolts. Make sure the axle is well supported or it could fall when the U-bolts are removed
4. Slowly and carefully lower the axle away from the springs and remove the factory centering pin and factory over-load spring.
5. Installer may want to remove the entire leaf spring to make installation easier **(Fig 1)**.
6. With the pack on the ground, c-clamp the leaves together and remove the nuts on the guide pins to expand the pack
7. Separate the leaf springs using a pry bar and carefully un folding each of the collars**(Fig 3)**. Remove the leaf springs in **(Fig 2)**.
8. Slip in the new spring pack. The leaf springs will have to be clamped together in order to get the locating pin to slide through and be tightened. **(Fig 4)**
9. The order should be as followed: main spring, expansion pack, thick overload. **(Fig 5)**
10. Tighten one side of the threaded locating pins slightly, then the other, back and forth till the springs are fully clamped together.
11. Replace the oem block with our centering pin in order to accurately align the leaf springs to the axle. **(Fig 6)**
12. Jack up the axle and guide the spring center pin in to the hole on the top of the axle.



Figure 1



Figure 3



Figure 2



Figure 4

13. Install new u-bolts (long u-bolts on driver side), washers and nuts, tighten to Dodge Chrysler spec.
14. Install shocks onto lower factory mount: Compress shock and insert bolt into the factory shock mount.
15. Repeat steps 3-8 for the other side of the vehicle.
16. Reinstall wheels and lower to the ground. Re check U-bolt torque. Consult vehicle owner's manual.



Figure 5



Figure 6

RE-TORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.

For Technical Assistance Call: 951.689.ICON

***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.

Coil over take-apart shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. We do not warranty any other product not directly manufactured by *Icon Vehicle Dynamics*.

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.