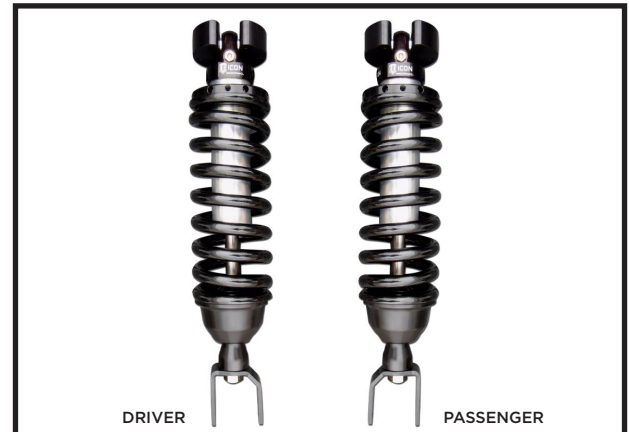


PART #	DESCRIPTION
211000	09-UP RAM 1500 4WD COILOVER KIT

COMPONENTS INCLUDED
(1) 214954D 09-UP RAM 1500 4WD 2.5 COILOVER (DRIVER) (1) 214954P 09-UP RAM 1500 4WD 2.5 COILOVER (PASSENGER) (1) 611019 HARDWARE KIT
HARDWARE INCLUDED
(6) 3/8-16 X 1 BOLT (6) 3/8 SPLIT LOCK WASHER
TOOLS REQUIRED
JACK JACK STANDS 9/16 SOCKET / WRENCH 13/16 SOCKET / WRENCH 7/8 SOCKET / WRENCH TORQUE WRENCH
TECH NOTES
1. This unit is charged with 250psi of nitrogen. DO NOT DISCHARGE. 2. Although this coilover is adjustable, never raise the vehicle so high that droop travel from ride height is less than 1.5". Adjusting the coilover is done with the optional #198000 Spanner Wrench available from any ICON dealer.



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.

INSTALLATION

1. ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK TIRES!
2. With the vehicle sitting on level ground measure from the center of the hub to the top of the fender opening. Record this measurement for both driver and passenger.
3. Raise the front of the truck and support with jack stands under the frame rails. Remove the front wheels.
4. Remove the 3 nuts securing the driver side coilover to the frame. Do not loosen or remove the larger center nut securing the spring seat to the shock shaft or injury will occur.
5. Remove the lower mounting bolt. This bolt will be reused.
6. Remove the stock coilover assembly. Sometimes a pry bar over the top of the upper arm to pry down will help removal. Be careful not to damage any brake lines or wires that may be routed down the A-arm.
7. The coilover assemblies are labeled driver and passenger. The coilover assemblies must be installed on the proper side to avoid CV boot damage.
8. Install the driver side coilover assembly by lining up the 3 holes in the upper coilover mount. Install the upper mount with the charge port pointing 15° forward using the supplied 3/8 bolts and lock washers. [Torque to 35 ft-lbs]
9. Install the lower shock mount bolt. [Torque to factory spec]
10. Repeat process on passenger side.
11. Reinstall the wheels and put the vehicle back on the ground. Roll the vehicle back and forth a couple of feet and bounce the front end to allow the suspension to settle to its new ride height. Remeasure from hub center to top of fender opening, compare to measurement in step 2.
12. The coil spring adjuster has been preloaded at the factory to net approximately 2 inches of lift and ICON does not recommend exceeding that. If you wish to adjust the ride height, loosen the setscrew in the adjuster and use ICON spanner 198000 to adjust up or down. Tighten the set screw after ride height has been achieved. Do not over tighten the set screw or damage to the threads will occur.

SERVICE WARNING:

If you choose to service the 211000 yourself, make note that the spring cannot be removed with the lower mount installed and will require lower mount removal prior to spring removal. To remove the lower mount, extreme caution must be practiced. The lower mount must be clamped in a vise and the bolt fastening it to the shaft adapter removed with an impact. If at any time the rod end adapter under the spring seat or the shaft starts spinning, you must stop and clamp the rod end adapter so it does not spin. Failure to do so will result in the spring coming unloaded causing physical harm or death.