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PART #	DESCRIPTION
71555	07-UP GM 1500 2.5 VS RR COILOVER KIT

COMPONENTS INCLUDED	
(2) 250002 7.5 UNIVERSAL RESERVOIR MOUNT PLATE (2) 174952R 07-UP GM 1500 2.5 VS REMOTE RESERVOIR COILOVER	(1) 611051 HOSE CLAMP KIT (1) 610019 COILOVER HARDWARE KIT
HARDWARE INCLUDED	
611051 HOSE CLAMP KIT	
(4) 605931 1.2 X 2 1/16 -3 ID SS HOSE CLAMP	
610019 COILOVER HARDWARE KIT	
(6) 605101 3/8 X 1.000 BOLT	(6) 605131 3/8 SPLIT LOCK WASHER
TOOLS REQUIRED	
TORQUE WRENCH RECIPROCATING SAW	15MM SOCKET / WRENCH 18MM SOCKET / WRENCH 5/16" SOCKET / WRENCH 9/16" SOCKET / WRENCH
TECH NOTES	
<p>1. <i>ICON RECOMMENDS USING 07-UP GM 1500 TUBULAR UCA KIT (PART #78600 OR #78601). IF NOT USING UCA KIT (PART #78600 OR #78601), TRIMMING THE FACTORY UCA DROOP STOP IS REQUIRED.</i></p> <p>2. <i>FAILURE TO REMOVE THE UCA DROOP STOP WILL LIMIT DOWN TRAVEL AND CAUSE A CLUNK WHEN THE SUSPENSION TOPS OUT.</i></p> <p>3. <i>DO NOT PRELOAD THE COIL BEYOND .875" OF EXPOSED THREADS BETWEEN THE BOTTOM OF THE TOP CAP AND THE TOP OF THE COIL ADJUSTER NUT.</i></p>	



WARNING!
<p><b>** 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!</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.</b></p>

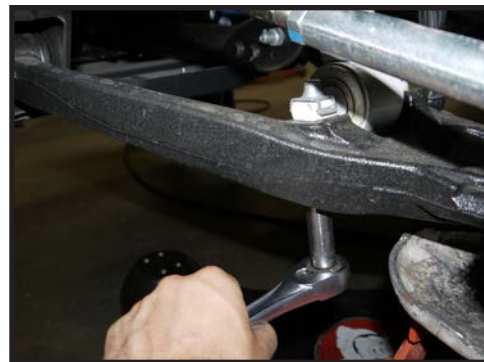
## INSTALLATION

- Using a properly rated hydraulic jack, lift the vehicle and support the frame rails with jack stands. Ensure jack stands are secure and set properly before lowering the hydraulic jack. **BE SURE TO NEVER WORK UNDER AN UNSUPPORTED VEHICLE.** Remove the wheels.
- Remove the 3 nuts holding the factory coilover to the coil bucket using an 18mm socket/wrench. (FIGURE 1)

FIG.1



FIG.2



- Remove the 2 bolts from the lower bar pin using a 15mm socket/wrench. (FIGURE 2)
- Using some downward force on the spindle, remove the coilover through the opened inner section of the lower A-arm.

**NOTE:** If using the ICON Tubular UCA Kit (78600/78601), disregard step 5.

5. Using a reciprocating saw/angle grinder, cut the droop stop off of the factory UCA mount as shown. (FIGURE 3 AND 4)

FIG.3



FIG.4



5. Install the ICON coilover while applying downward force to the spindle.

6. The hex side of the bar pin goes toward the rear of the truck.

7. Using the supplied 3/8" hardware and a 9/16" socket/wrench, connect the upper mount to the coil bucket. The reservoir mounting plate bolts to the top of the coil bucket using the outer bolt. [Torque to 30 ft-lbs] (FIGURE 5)

NOTE: Fasten the reservoir to the reservoir mount using the supplied hose clamps and a 5/16" nut driver (CDCV option shown). Orient hose so it does not contact the coil bucket.

FIG.5



FIG.6



8. Install the factory lower bolts connecting the lower bar pin to the lower A-arm using a 15mm socket/wrench. [Torque to factory spec] (FIGURE 6)

9. Install the wheels and set the truck on the ground. [Torque to factory spec]

10. Have the truck professionally aligned.

**VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**

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



## 2.5 VS SERIES SHOCK & COILOVER TECHNICAL INFORMATION

### MAINTENANCE

ICON shock absorbers are a high quality rebuildable race style shock absorber designed for optimal performance. With a unit of this caliber on your vehicle, routine maintenance is required to keep them looking and operating in like new condition. Residual oil and assembly lube may be present at all seal paths from the factory out of the box and is considered normal. Pooling of oil however is not acceptable at any time and one should contact the ICON dealer where purchased.

**BELOW ARE GUIDELINES BASED ON HOW YOU USE YOUR VEHICLE BUT YOUR MILEAGE MAY VARY:**

#### **STREET USE:**

- Send in for factory servicing every 40,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Remove any buildup of road salt, mud, or debris from shocks and coil springs anytime accrued
- Clean with mild soap and water with each oil change or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure yearly. (252004 charge needle assembly available at any ICON distributor)
- Check bearings for excessive wear yearly.
- **DO NOT** apply any type of lube to the upper and lower bearings.

#### **STREET/DIRT:**

- Send in for factory servicing every 15,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Clean with mild soap and water with each oil change, offroad trip, or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure each dirt outing. (252004 charge needle assembly available at any ICON distributor)
- Check bearings for excessive wear yearly.
- **DO NOT** apply any type of lube to the upper and lower bearings.

#### **DIRT USE:**

- Send in for factory servicing every 1,000 miles.
- Check nitrogen pressure each outing. (252004 charge needle assembly available at any ICON distributor)
- Remove any buildup of mud or debris from shocks and coil springs after every outing.

#### **SELF-SERVICE:**

- Contact ICON for service kits & tools at (951) 689-4266.

### PRODUCT REGISTRATION

Please visit: <http://www.iconvehicledynamics.com/tech-support/registration/> to register your product.

### ICON VEHICLE DYNAMICS SHOCK ABSORBER WARRANTY

This shock absorber has a 1 year warranty against any manufacturer's defects. If a shock fails within the initial year of ownership, the shock must be shipped to ICON Vehicle Dynamics for inspection and service. If a shock is inspected and it has been determined the shock failed due to neglect, damage caused by improper installation or any other reason besides "normal wear and tear", the owner of said shock is responsible for all service costs. This includes labor, parts, and shipping.

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.

To send a shock in for warranty please visit our website <http://www.iconvehicledynamics.com/tech-support/shock-service/>

## ICON VEHICLE DYNAMICS

PERFORMANCE SUSPENSION SYSTEMS AND SHOCK ABSORBERS

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