

7929 Lincoln Ave. Riverside, CA 92504  
 Phone: 951.689.ICON Fax: 951.689.1016

PART #	DESCRIPTION
96517R	11-UP RANGER T6 0-2" REAR 2.0 ALUMINUM SERIES REMOTE RESERVOIR SHOCK

COMPONENTS INCLUDED	
(1) 194917R 11+ RANGER T6 0-2" REAR 2.0 RR SHOCK	
HARDWARE INCLUDED	
(2) 605927 1/2 X 3 1/16 - 4" HOSE CLAMP	(2) 295000 RESI HOURGLASS ISOLATOR
TOOLS REQUIRED	
FLOOR JACK JACK STANDS TORQUE WRENCH 8MM / 5/16" NUT DRIVER	15MM SOCKET / WRENCH 18MM SOCKET / WRENCH 21MM SOCKET / WRENCH
TECH NOTES	
1. THIS UNIT IS CHARGED WITH 150PSI OF NITROGEN. DO NOT DISCHARGE.	



### 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.**

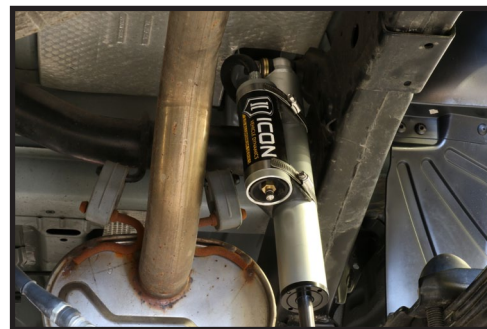
## INSTALLATION

1. ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK REAR TIRES!
2. Jack up the rear of the truck and support with jack stands under the frame rail and remove the wheels
3. With a floor jack under the rear end, slightly raise the rear axle housing from full droop to remove tension from the shock, loosen and remove the lower shock bolts. Make sure the axle is well supported. Keep all of the hardware, it will be reused.
4. Disconnect top of the shock and remove the stock shock.
5. Apply grease to the ID and sides of the upper ICON shock eye bushings and to the shank of the mounting stud.
6. (Left side): Install the top of the shock over the mounting stud with the reservoir hose pointing towards the rear of the vehicle. Install the lower eyelet in the lower mount tabs and secure upper and lower with factory hardware to factory torque spec. The reservoir is mounted to the shock body with the provided hose clamps and hourglass bushings. Position the reservoir to the rear of the shock such that there is adequate clearance to the spare tire and no possibility of collision with the axle housing on compression. (FIGURE 1)

FIG.1



FIG.2



7. (Right side): Install the top of the shock over the mounting stud with the reservoir hose pointing towards the front of the vehicle. Install the lower eyelet in the lower mount tabs and secure upper and lower with factory hardware to factory torque spec. The reservoir is mounted to the shock body with the provided hose clamps and hourglass bushings. Position the reservoir to the side and rearward of the shock at approximately 30 degrees such that there is adequate clearance to the exhaust hanger and no possibility of collision with the axle housing on compression. (FIGURE 2)

8. Wipe off excess grease from around the eyelet bushings that may have squirted out when tightening.

9. Reinstall wheel and carefully place vehicle back on the ground.

**VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.  
RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.**

## 2.0 ALUMINUM SERIES TECHNICAL INFORMATION

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)

### **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)

### **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.

## 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.

## ICON VEHICLE DYNAMICS

PERFORMANCE SUSPENSION SYSTEMS AND SHOCK ABSORBERS

7929 Lincoln Ave. Riverside, CA 92504 Phone: 951.689.ICON Fax: 951.689.1016  
www.iconvehicledynamics.com



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