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PART #	DESCRIPTION
95206R	21-UP FORD F150 RAPTOR REAR 3.0 RR BYPASS SHOCKS

COMPONENTS INCLUDED

(1) 194973EP 21+ F150 RAPTOR REAR 3.0 BYPASS RR CDEV PASS	(2) 95206H 21+ RAPTOR REAR 3.0 RR CDEV HARDWARE KIT
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HARDWARE INCLUDED

95205H HARDWARE KIT

(1) 257266M EXTRUDED RESI MOUNT 12.0 OAL	(3) 605040 10-32 X 1.125 SHCC SS 18-8 RAW
(3) 257260 EXTRUDED RESI MOUNT CLAMP	(6) 605052 1/4-20 NYLOCK NUT
(2) 605033 #14-14 X 0.75 #3HWH SELF DRILLING SCREW	(6) 605053 1/4 FLAT WASHER
	(6) 605055 1/4-20 X 0.75 BHCS SS RAW

TOOLS REQUIRED

JACK JACK STANDS TORQUE WRENCH DRILL 1/4 DRILL BIT SMALL C-CLAMP	7/16" ALLEN 5/32" ALLEN 15MM SOCKET / WRENCH 16MM SOCKET / WRENCH 18MM SOCKET / WRENCH 19MM SOCKET / WRENCH
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TECH NOTES

1. YOUR ICON SHOCK ASSEMBLIES COME FACTORY CHARGED TO 150 PSI. RELEASING NITROGEN PRESSURE MAY LEAD TO SHOCK MALFUNCTION AND REDUCED RIDE QUALITY. FAILURE CAUSED BY LOW NITROGEN PRESSURE IS NOT COVERED UNDER ICON'S WARRANTY POLICY.

2. REQUIRES USE OF ICON REAR SPRING PN 95230, OR 95231. STOCK SPRINGS WILL FALL OUT OF THEIR SEATS WITH THE EXTRA DROOP PROVIDED BY THE LONGER SHOCKS.

3. INSTALLATION TIME: APPROX. 1.75 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. Raise the rear end of the truck. Support the frame at the frame rail with jack stands high enough so the suspension can be drooped fully. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the rear wheels.

2. Support the axle assembly with a floor jack and droop the suspension. Remove the factory rear shocks (15mm & 18mm). The lower hardware will be reused.

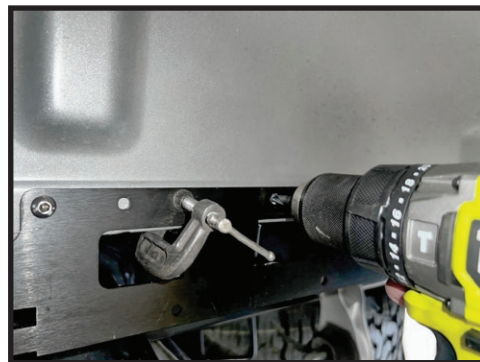
3. Install reservoir mounts in the wheel well. Position the mount on the inner wheel well flange as shown with the 2 tabs on the outside of the bed cross rib to locate. Clamp in place such that the top edge of the mount is tangent to the bottom of the jog bend in the bed flange, make sure it is low enough to have room on the back side for the nut and washer after drilling.

Drill a first whole with a 1/4" drill bit through the mount as a template and secure with a button head screw with the washer and nut on the back side. This will help ensure that the bracket doesn't squirm when drilling the rest of the holes and all the holes line up. Drill the rest of the holes and secure with 1/4" button head screws, washers and nylock nuts. [FIGURE 1 & 2]

FIG.1



FIG.2



4. Secure the 2 tabs on the back side to the bed rib using the supplied 1/4" self drilling screws. Do not overtighten as the bed is aluminum and strips easily. Prep the dove tail rail by installing the 3 clamping blocks to the rail with the #10 hex head cap screws. Finger tighten, then loosen 3 turns. Secure the rail to the mount with 1/4" button head screws washers and nuts. [FIGURE 3 & 4]

FIG.3

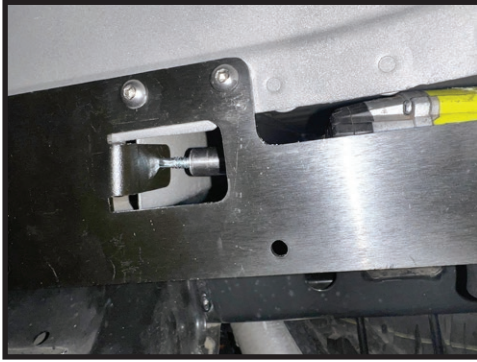


FIG.4



5. Identify the driver and passenger side shocks, they are mirror layout of each other. Install shocks with the 2 compression bypass tubes facing outward and the reservoir toward the axle. Lower the axle approximately 2" taking care not to over extend the brake lines or wire harness. [FIGURE 5]

FIG.5



6. Remove the 12mm bolt and double threaded nut from the top of top mount of the shock and remove bolt that holds the rod end anti wobble link to the double threaded nut. Lift the shock into position and install the bolt and nut. Secure the lower end of the shock with factory hardware. Torque upper and lower to 78 ft-lbs. [FIGURE 6]

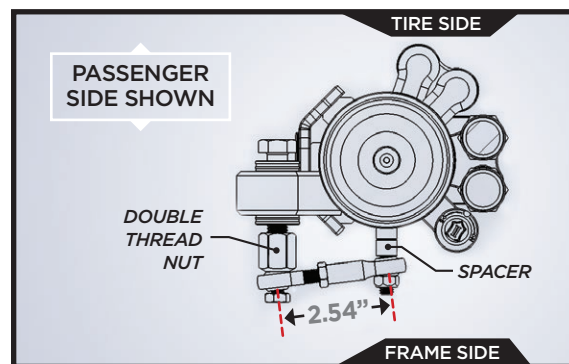


FIG.6

7. Install the wobble link. The purpose of the wobble link is to keep the shock from flopping side to side and keep the body of the shock from contacting the inner fender well or the tire; subsequently you can rock the shock back and forth to line up the wobble link. Place the spacer over the stud on the shock. Attach the wobble link to the back side of the double nut with blue locktite. Slide the wobble link over the stud and secure with the supplied 5/16" nylock nut.

8. Lower the vehicle back to the ground.

9. Refer to 93500 IIC install kit instructions for controller installation and wiring. Refer to 95020 F150 Raptor live valve mount kit instructions to secure and mount the factory solenoid coils.

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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