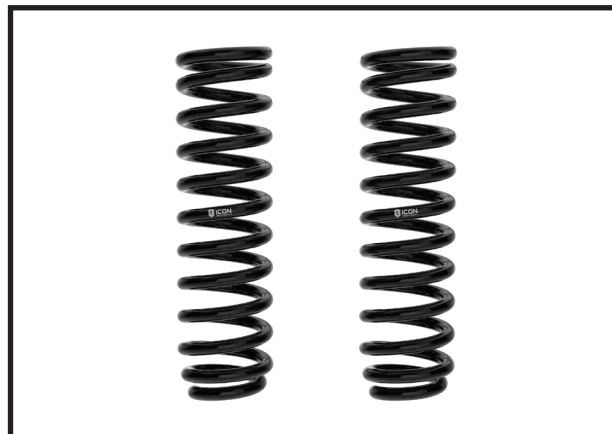


PART #	DESCRIPTION
95232	21 F150 RAPTOR FRONT COIL KIT

COMPONENTS INCLUDED	
(2) 198591 21 F150 RAPTOR COIL SPRING	
HARDWARE INCLUDED	
(1) 605969 VIBRATITE RED	
TOOLS REQUIRED	
JACK JACK STANDS TORQUE WRENCH RATCHET HAMMER BALL JOINT SEPARATOR FLAT BLADE SCREW DRIVER PLIERS, TORQUE WRENCH	10MM SOCKET / WRENCH 13MM SOCKET / WRENCH 18MM SOCKET / WRENCH 21MM SOCKET / WRENCH 27MM SOCKET / WRENCH 30MM SOCKET / WRENCH
TECH NOTES	
<p>1. ESTIMATED INSTALL TIME: 2.5 HOURS.</p>	



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

INSTALLATION

1. Place the truck on a flat surface with the parking brake engaged, chock the REAR/FRONT tires.
2. Use a suitable floor jack in the manufacturer designated spot on the frame to lift the front of the truck, then place a suitable jack stand under the frame and set the truck down securely on the jack stand. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the FRONT/REAR wheels and tires.
3. Remove sway bar link nut using a 18mm wrench and a 10mm wrench. [FIGURE 1]

FIG.1

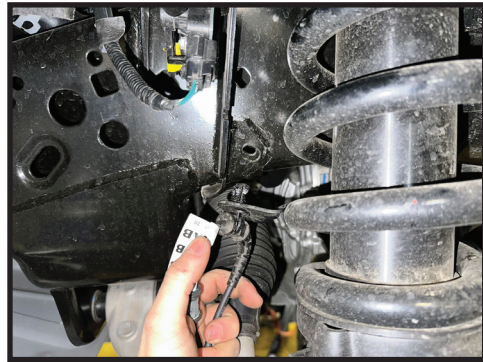


4. Located the front shock plug in front of the coilover bucket. Depress the tab and unplug it from its connector and remove the wiring clip on the frame. [FIGURE 2 & 3]

FIG.2



FIG.3

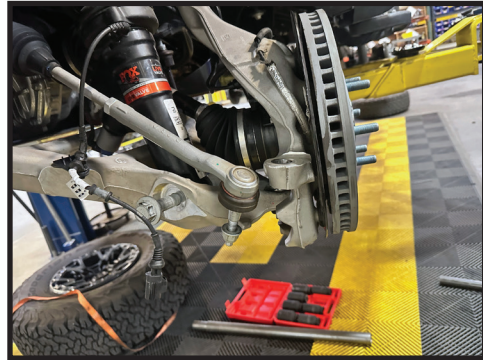


5. Using a 21mm socket remove the tie rod nut. Using a hammer or tie rod tool remove the tie rod from the steering knuckle. [FIGURE 4 & 5]

FIG.4



FIG.5



6. Remove the lower shock bolt from the LCA using a 27mm socket and a 30mm socket. [FIGURE 6 & 7]

FIG.6

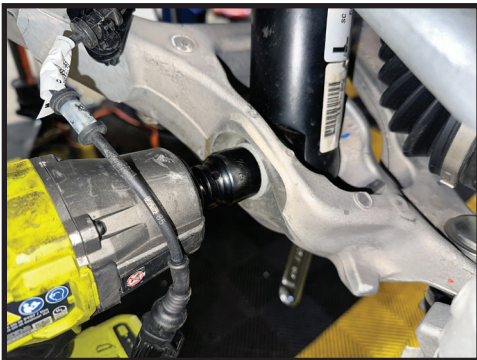
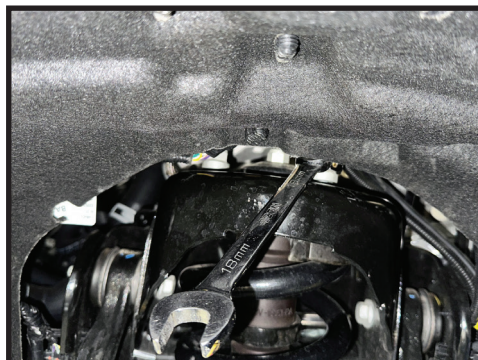


FIG.7



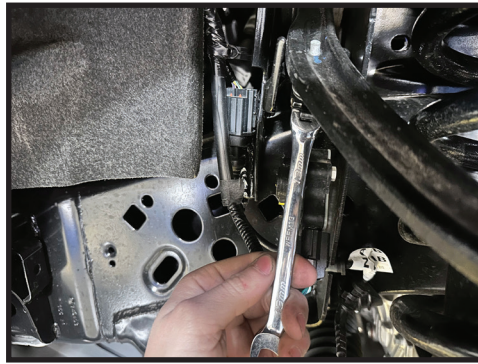
7. Using a 18mm wrench remove the three upper shock mount nuts. [FIGURE 8]

FIG.8



8. Locate the ride height sensor mount on the bottom front of the UCA and use a 13mm wrench remove it from the UCA. [FIGURE 9]

FIG.9



9. Using a 18mm wrench remove the ball joint nut from the UCA. Then using a ball joint separator or a hammer to loosen the ball joint from the knuckle taper. [FIGURE 10]

FIG.10



10. Lower the LCA and remove the coilover take care to support the steering knuckle once complete place the UCA ball joint back in the knuckle to keep it from falling.

11. Place the stock coilover in a spring compressor and remove tension from the upper mount by compressing the spring. [FIGURE 11]

FIG.11



12. Using a 18mm wrench loosen the upper mount nut and remove. Take care to identify the upper mount orientation and remove the coilover from the coil. [FIGURE 12]

FIG.12



- 13.** Compress the new ICON 198591 reinstall the OE coilover and upper mount torquing to factory specs.
- 14.** Reinstall coilover in the vehicle [Torque bolts to factory specs].
- 15.** Repeat steps on opposite side.
- 16.** Install wheels and tires, lower vehicle to the ground. Torque lug nuts.
- 17.** Get vehicle professionally aligned.

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

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