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PART #	DESCRIPTION
53005	91-97 LAND CRUISER 3" FRONT DUAL RATE SPRING KIT

COMPONENTS INCLUDED	
(2) 158525 91-97 LAND CRUISER 3" FRONT COIL (1) 155115 16" 80 SERIES FRONT BREATHER HOSE	(1) 155108 80 SERIES 10MM FRONT COIL SPACER URETHANE
HARDWARE INCLUDED	
N/A	
TOOLS REQUIRED	
JACK JACK STANDS TORQUE WRENCH	10MM SOCKET / WRENCH 12MM SOCKET / WRENCH 19MM SOCKET / WRENCH
TECH NOTES	
<p>1. IF INSTALLING CASTER CORRECTION BUSHINGS, IT IS RECOMMENDED THAT IT BE PERFORMED AFTER THE SUSPENSION HAS BEEN INSTALLED AND THE VEHICLE IS ON THE GROUND.</p> <p>2. SWAY BAR DROP BRACKET (53007) IS REQUIRED OR THE DRIVESHAFT WILL MAKE CONTACT WITH THE SUSPENSION AT FULL DROOP.</p> <p>3. THE SUPPLIED COIL SPACER MAY NOT BE NECESSARY ON ALL APPLICATIONS, IT CAN BE USED TO HELP CORRECT VEHICLES THAT EXHIBIT A SIDE LEAN.</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 INSTALLTION 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. ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK REAR TIRES!
2. Raise the front of the vehicle high enough so that the suspension can droop approximately 10" and support with jack stands under the frame rail. The front tires may be removed to allow for extra clearance.
3. The following items must be disconnected to allow the suspension to droop far enough to install the springs: Disconnect the lower shock mount from the axle. Disconnect the sway bar from its support links on the frame side. Disconnect the diff breather. Disconnect the brake line brackets from the axle. [FIGURE 1 & 2]

FIG.1



FIG.2



4. Slowly lower the front axle, making sure that nothing is binding. Remove the stock springs by lifting the bottom end up off its seat and pulling them out towards the front of the vehicle.
5. A 10mm spring spacer is supplied with the kit to level some vehicles that exhibit a left lean. If installing a complete front and rear spring kit sometimes only the front left requires a spacer. It is suggested that you start WITH the spacer on the top of the LEFT front coil and remove later if not necessary.

**6.** Install the new coils. Make sure the lower pigtail is correctly oriented and seated in the lower spring perch. **[FIGURE 3]**

**FIG.3**



**7.** Use a jack to raise the axle, compressing the springs a couple of inches but NOT to the point where it lifts the vehicle off the jack stands.

**8.** Reinstall the shock to the lower shock mount [Torque to factory spec]. If you are installing new shocks, refer to those instructions now.

**9.** If installing brake lines and sway bar brackets refer to those instructions now.

**10.** Remove the differential breather assembly from vehicle. Pry open the clamp holding the top of the breather hose. Remove the hose and replace with the longer ICON hose. Squeeze the clamp back around the hose to secure. Fasten the lower part of the breather hose to the axle housing using the factory spring clamp. **[FIGURE 4 & 5]**

**FIG.4**



**FIG.5**



***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.

# **ICON VEHICLE DYNAMICS**

PERFORMANCE SUSPENSION SYSTEMS AND SHOCK ABSORBERS

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