

PART #	DESCRIPTION
82000	05-25 NISSAN FRONTIER COILOVER KIT

COMPONENTS INCLUDED	
(2) 184952 COILOVER ASSEMBLY	(2) 180004 BUMP STOP SPACER PLATE
HARDWARE INCLUDED	
(6) 3/8"-16 X 1" GR.8 BOLTS	(6) 3/8" LOCK WASHER GR.8
TOOLS REQUIRED	
JACK JACK STAND TORQUE WRENCH 12MM SOCKET / WRENCH	14MM SOCKET / WRENCH 19MM SOCKET / WRENCH 21MM SOCKET / WRENCH
TECH NOTES	
<ol style="list-style-type: none"> 1. FITS 2WD AND 4WD. 2. LIFT RANGE 1-3". PRESET TO APPROX. 2" OF LIFT. 3. MAX COIL ADJUSTMENT 1.125" EXPOSED THREADS. 4. ESTIMATED INSTALLATION TIME: 2.5 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. 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.

FIG.1



2. Disconnect the sway bar link from the sway bar on both sides. Rotate the sway bar down and the link back out of the way. Disconnect the tie rod at the knuckle.

Remove the cotter pin and loosen the nut. Dislodge the tape by striking the side of the knuckle with a large hammer. Remove the nut and swing the tie rod out of the way. [FIGURE 1]

3. Remove the 3 nuts securing the upper coil seat to the frame perch. Do not loosen or remove the larger center nut securing the spring seat to the shock shaft!!! This will result in the stock coil assembly coming apart violently causing damage to components and possible injury!

4. Remove the bolt holding the lower shock eye to the lower A-arm. Note orientation, this bolt will be reused. **[FIGURE 2 & 3]**

FIG.2



FIG.3



5. Remove the stock assembly. Due to rubber bushing stiffness you may need to pull down on the suspension. Drop the lower eyelet down in front of the sway bar link so the top of the shock can come out of the bucket, then remove the assembly out in front of the spindle. Be careful not to damage any brake lines or wires that may be routed down the A-arm. **[FIGURE 4]**

FIG.4



6. Install new coil assembly: There are 6 threaded holes in the upper coil-over mount. You will use the three holes without the dot next to them. Install upper mount with the charge port pointing outward using (3) 3/8" bolts and lock washers. Tighten the bolts down to 30 ft-lb.

7. Install lower shock mount to A-arm using factory bolt. The lower shock mount has (1) long and (1) short spacer. Make sure the short spacer is toward the front of the vehicle. This will position the shock further toward the front of the A-arm to ensure adequate axle clearance on 4 wheel drive models. Re-install the factory lower shock bolt. **[FIGURE 5]**

FIG.5



8. Reconnect the sway bar and tie rod

9. Install bump stop spacer: remove the bump stop from the lower arm by removing its nut from the lower side of the lower arm. Install the supplied spacer between the arm and bump stop and refasten. [FIGURE 6 & 7]

FIG.6

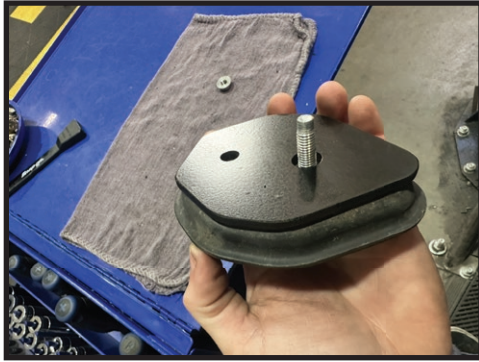


FIG.7



10. Reinstall the wheels and put the vehicle back on the ground. Roll the vehicle back and forth a couple of feet and bounce the front end to allow the suspension to settle to its new ride height.

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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