



# M-3000-ZX3 SVT Focus Suspension Kit INSTALLATION INSTRUCTIONS

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD RACING PERFORMANCE PARTS

Please contact the Tech "Hot Line" for the most current instruction information (586) 468-1356

!!! PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION!!!

## INTRODUCTION:

The components in this kit will improve the handling performance of your 2000-04 Focus ZX3. They are SVT Focus suspension components. This kit would benefit from the use of larger than stock wheels and low profile tires.

The installation of this kit can be performed by anyone with an average amount of mechanical experience, but it is very important to follow the instructions and refer to the 2000 Focus Shop Manual or equivalent. If you do not feel comfortable after reading the instructions and the shop manual, have the installation performed by an experienced mechanic.

!!! Caution: Improper installation of this kit could adversely affect the safety of your vehicle!!!

## PARTS IN KIT:

<u>ITEM #</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>SERVICE PART #</u>	<u>REPLACEMENT SOURCE</u>
1	2	Spring, rear	2M5Z-5B669-AA	Ford Dealer
2	2	Shock, rear	2M5Z-18125-BA	Ford Dealer
3	1	Anti-roll bar, rear	1S4Z-5A772-BA	Ford Dealer
4	1	Strut, RF	2M5Z-18124-BA	Ford Dealer
5	1	Strut, LF	2M5Z-18124-BB	Ford Dealer
6	2	Bump stop	2M5Z-3020-AA	Ford Dealer
7	2	Spring, front	2M5Z-5310-AA	Ford Dealer
8	2	Nut, upper strut piston	W700212-S3091	Ford Dealer

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**!!! Warning: Do not inhale dust from brakes, clutches or associated components. Inhalation of dust can containing asbestos fibers can be injurious to your health and could cause cancer or asbestosis. Compressed air or brushes must not be used to clean brakes, brake drums, clutches and associated components. A vacuum cleaner equipped for this purpose should be carefully used to remove any dust. Adherent dust should be removed with a damp cloth. Any dust should be contained in a sealed and labeled bag for disposal. Wear an approved high efficiency cartridge or airline respirator and use extra caution to avoid breathing this dust. Use non-asbestos replacement parts whenever possible! ! !**

## TORQUE SPECIFICATIONS:

FASTENER	TORQUE (ft./lbs.) (EXCEPT WHERE NOTED)
Rear shock upper mount nut	13
Rear shock lower mount nut	85
Rear lower control arm to knuckle	85
Rear anti-roll bar to control arm bolts	11
Rear anti-roll bar bushing clamp bolts	35
Upper strut piston nut	35
Strut tower nuts	18
Knuckle to strut bolt	66
Front anti-roll bar link to strut bolt	94
Caliper to Knuckle	21
Wheel nuts	37

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### REAR SUSPENSION INSTALLATION INSTRUCTIONS:



**STEP 1:** Raise vehicle off ground and support with jack stands. Remove wheel-tire assemblies.

**!!! Caution: Be sure to support the vehicle properly to avoid personal hazards!!!**

**STEP 2:** Remove the anti-roll bar to control arm mounting hardware, right and left sides. Bolts, nuts and bushings will be reused during assembly.



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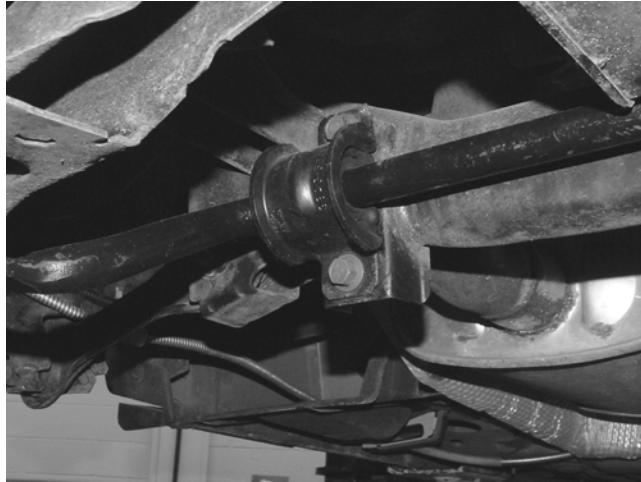
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**STEP 3:** Remove the anti-roll bar bushing clamp bolts and drop bar down off vehicle. Remove the bushings from the bar; they will be reused in assembly.



**STEP 4:** With floor jack located under lower control arm, compress right side spring.



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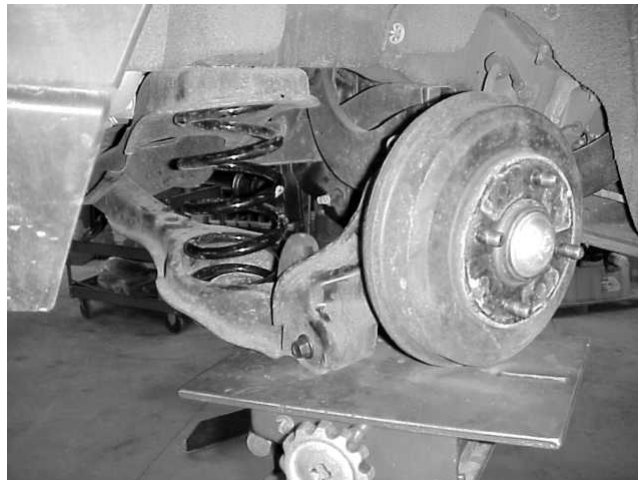
**STEP 5:** From inside of vehicle remove rear side panel and remove upper shock mount nut.



**STEP 6:** Remove lower shock mount bolt and shock.

**!!! Warning: Spring is under extreme compression to avoid personal injury be extremely careful to properly support lower control arm before removing control arm to knuckle bolt! !!**

**STEP 7:** With the floor jack in place supporting the control arm and knuckle, remove lower control arm to knuckle bolt. **Slowly** lower floor jack until the rear spring is unloaded and drops free.



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- STEP 8:** Place new rear spring (item 1) in place, raise floor jack until lower control arm to knuckle bolt can be installed. Loosely tighten bolt at this point.
- STEP 9:** Install new rear shock (item 2) and loosely tighten hardware.
- STEP 10:** Repeat process on left side of vehicle.
- STEP 11:** Lower control arm to knuckle bolt and shock bolts and nuts should be loosely tightened at this point. Torque once vehicle weight is back on the wheel-tire assemblies.
- STEP 12:** Re-install anti roll bar bushings on to SVT bar (item 3).
- STEP 13:** Put bar into position, re-install bushing clamp bolts and torque to 35 ft./lbs. Re-install anti-roll bar to control arm bolts, nuts and bushings. Torque to 15 ft./lbs.

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### FRONT STRUT AND SPRING INSTALLATION INSTRUCTIONS:



**STEP 1:** Remove right side anti-roll bar link from strut.



**STEP 2:** Remove caliper and support to avoid damage to the line. Remove rotor for additional clearance when removing strut.

**STEP 3:** With floor jack support right side lower control arm and strut assembly.

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**STEP 4:** Remove strut to knuckle bolt and strut tower nuts. **Slowly** lower floor jack and remove strut and spring assembly when it becomes free of the chassis.



**!!! Warning: Spring is under extreme compression. To avoid personal injury use a suitable spring compressor!!!**

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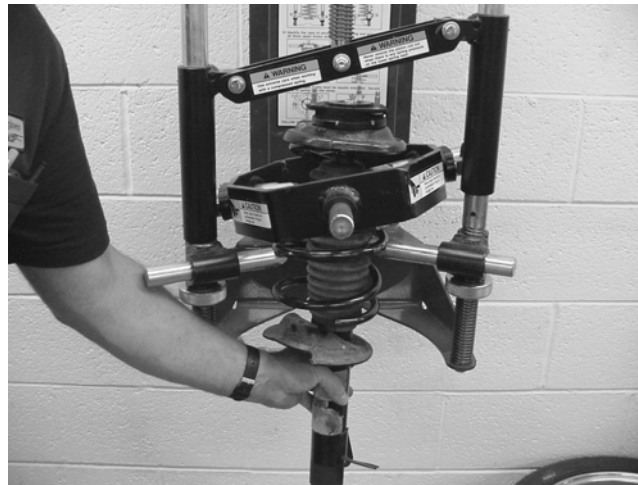
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**STEP 5:** Compress spring. Loosen upper strut piston nut. Use allen wrench to prevent strut piston from rotating.



**STEP 6:** Disassemble strut-spring assembly. The following parts will be reused in assembly; top mount, bearing, spring seat and boot.



**STEP 7:** Assemble SVT strut-spring assembly using the following new items; front strut, RF (item #4), bump stop (item #6), front spring (item #7) and nut, upper strut piston (item #8). **Be very careful compressing the spring!!** Torque upper strut piston nut to 35 ft./lbs.

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- STEP 8:** Put strut-spring assembly in place on knuckle. Raise into position with floor jack. Torque strut tower nuts to 25 ft./lbs. and knuckle to strut bolt to 66 ft./lbs.
- STEP 9:** Re-install anti-roll bar link to strut. Torque to 37 ft./lbs. Torque rotor and caliper to 21 ft./lbs.
- STEP 10:** Repeat steps 1-8 on left side of vehicle using front strut, LF (item #5), bump stop (item #6), front spring (item #7) and nut, upper strut piston (item #8).
- STEP 11:** Reinstall wheel/tire assemblies and torque to 94 ft./lbs.

### FINAL INSTALLATION INSTRUCTIONS:

- STEP 1:** Torque the following hardware; front lower control arm to knuckle bolts, 66 ft./lbs; rear shock upper mount nuts, 13 ft./lbs; rear shock lower mount bolts, 85 ft./lbs.
- STEP 2:** Take the time to go back and double check all other bolts and nuts to insure proper installation and torque.

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