



PRO COMP SUSPENSION

Suspension Systems that Work!

**PART# 13137
2009
FORD F-150
ADD-A-LEAF KIT**

This document contains very important information that includes warranty information and instructions for resolving problems you may encounter. Please keep it in the vehicle as a permanent record.

Part #	Description	Qty.	Illus.	Page
13137-1	LEAF	2	1	5
97-120	CENTER BOLTS	4	1	5
72-050100811	1/2" CENTER BOLT NUTS	4	1	5
73-05000034	1/2" CENTER BOLT WASHERS	4	1	5
90-6691	HARDWARE PACK:	1	-	-
90-4221	PLASTIC SPRING SLIDER	4	1	5

Optional Equipment Available from your Pro Comp Distributor!

PN 52209/52209MX	4WD 6" Suspension Lift Kit
PN 52213/52213MX	2WD 6" Suspension Lift Kit
LL-2009	4WD Level Lift Kit
LL-2010	2WD Level Lift Kit
52211MX*	4WD Coil Over Upgrade Kit
52214MX*	2WD Coil Over Upgrade Kit
72096*	Traction Bar Kit: 4 wd Crew Cab Short Bed

***Install on Pro Comp lift kit equipped vehicles ONLY!**

**Also, check out our outstanding selection of Pro Comp tires
compliment your new installation!**

Introduction:

- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, carefully inspect the vehicle's steering and driveline systems paying close attention to the tie rod ends, ball joints, wheel bearing preload, pitman and idler arm. Additionally, check steering-to-frame and suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Repair or replace all worn or damaged parts!
- ◆ Read the instructions carefully and study the illustrations before attempting installation! You may save yourself a lot of extra work.
- ◆ Check the parts and hardware against the parts list to assure that your kit is complete. Separating parts according to the areas where they will be used and placing the hardware with the brackets before you begin will save installation time.
- ◆ Check the special equipment list and ensure the availability of these tools.
- ◆ Secure and properly block vehicle prior to beginning installation.
- ◆ ALWAYS wear safety glasses when using power tools or working under the vehicle!
- ◆ Use caution when cutting is required under the vehicle. The factory undercoating is flammable. Take appropriate precautions. Have a fire extinguisher close at hand.
- ◆ Foot pound torque readings are listed on the Torque Specifications chart at the end of the instructions. These are to be used unless specifically directed otherwise. Apply thread lock retaining compound where specified.
- ◆ **Please note that while every effort is made to ensure that the installation of your Pro Comp lift kit is a positive experience, variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at the number listed on the cover page. We do not recommend that you modify the Pro Comp parts in any way as this will void any warranty expressed or implied by the Pro Comp Suspension company.**

INSTALLATION INSTRUCTIONS:

NOTE: *In order to properly install the add-a-leaf spring, it will be necessary to contain the elasticity in the leaf spring with “C” clamps when the center bolts are removed. Some springs have a factory helper spring consisting of one or more flat leaves installed at the bottom of the leaf pack. DO NOT install the add-a-leaf spring in or below the helper spring.*

- 1) Measure the vehicle from the center of the hub to the fender lip and record this measurement below.

LF: _____ **RF:** _____

LR: _____ **RR:** _____

- 2) Block the front tires and raise the rear of the vehicle. Support the frame with jack stands forward of the rear springs.
- 3) Remove the rear wheels.
- 4) Unbolt the shocks at the lower shock mount on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
- 5) Support the rear axle with a floor jack and remove the U-bolts on the driver side. Loosen the U-bolts on the passenger side.
- 6) Hold the spring assembly securely together with “C” clamp. Spread apart spring leaf alignment clamps. Remove the spring center bolts. A hammer and drift punch may be used to drive them out if necessary.
- 7) Carefully remove “C” clamp. Lower axle, disassemble leaf spring and insert add-a-leaf (13137). See ILLUSTRATION 1.

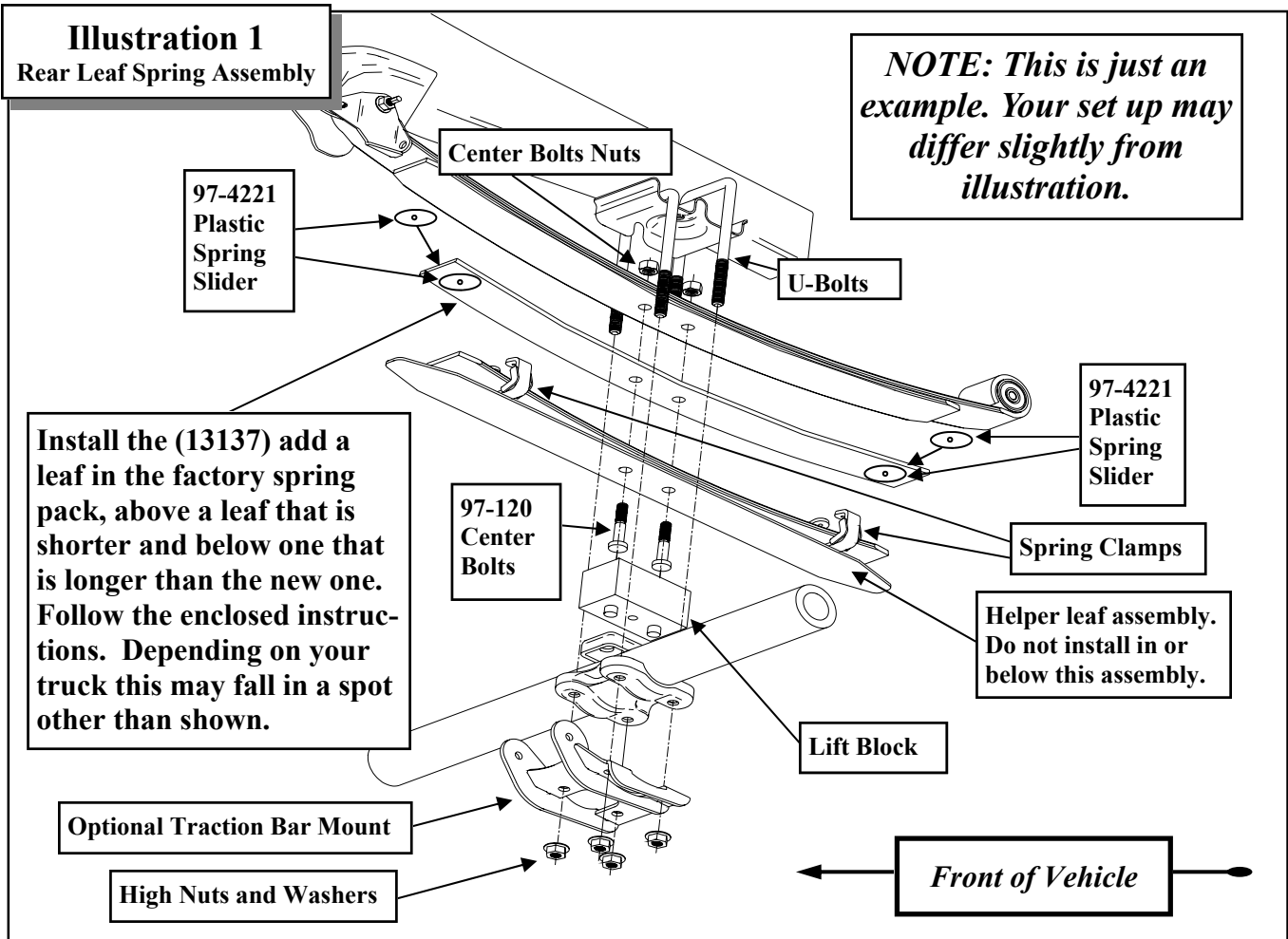
NOTE: *Add-a-leaf will be placed in the spring assembly progressively according to length. For example, if the existing leaves are 32” long and 25” long and the add-a-leaf is 28” long, place the add-a-leaf between the existing leaves.*

IMPORTANT!: *If the add-A-leaf ends up between (2) OE leaves (not on the bottom), remove the installed plastic sliders from the add-A-leaf. Grind the prongs on the previously removed and provided spring sliders (90-4221) so they only press into the leaf 3/16”. Insert the sliders into the top and the bottom of the add-A-leaf before installation.*

- 8) Re-clamp and bolt the leaf pack back together using the supplied center bolts (97-120) with the heads of the bolts facing down and the nut on the top. When you are finished you may need to trim the excess thread from the center bolts, so that it does not hit the U-bolt bracket on top of the leaf springs. Bend the alignment clamps back around the leaves.

NOTE: *If the center bolts (97-120) are too long, install the supplied 1/2” washers (2 per bolt) on the top under the nut.*

- 9) Make sure the pins fit into the holes on the spring perch. Use your floor jack to raise the axle to the spring making sure the heads on the factory leaf fit into the holes on the lift block.
- 10) Secure the assembly with the U-bolts and high-nuts and washers. Do not tighten the U-



bolts at this time.

NOTE: Make sure the block sits flush on the axle perch. If there is a gap grinding down the heads of the bolts may be necessary.

- 11) Repeat the installation on the other side of the vehicle.
- 12) When the installation of the remaining side is complete, torque the U-bolts to 95 ft. lbs. If the threads are too long you can trim the threads up to 1”.
- 13) Reinstall shocks to the lower axle mount.
- 14) Reinstall the wheels and tires and lower the vehicle to the ground. Torque the factory wheels to 150 ft/lbs. If you are using aftermarket wheels follow the manufacturers recommended specifications.
- 15) Recheck the wheel lug torque on all four wheels at this time.
- 16) Recheck all hardware for proper installation and torque at this time.
- 17) On completion of the installation, have the suspension and headlights re-aligned.
- 18) After 100 miles recheck for proper torque on all newly installed hardware.
- 19) Recheck all hardware for tightness after off road use.

Notice to Owner operator, Dealer and Installer:

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Pro Comp reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

Please make sure your Dealer/Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.

Application listings in this catalog have been carefully fit checked for each model and year denoted. However, Pro Comp reserves the right to update as necessary, without notice, and will not be held responsible for misprints, changes or variations made by vehicle manufacturers. Please call when in question regarding new model year, vehicles not listed by specific body or chassis styles or vehicles not originally distributed in the USA.

Please note that certain mechanical aspects of any suspension lift product may accelerate ordinary wear of original equipment components. Further, installation of certain Pro Comp products may void the vehicle's factory warranty as it pertains to certain covered parts; it is the consumer's responsibility to check with their local dealer for warranty coverage before installation of the lift.