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PRO COMP SUSPENSION

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**62203**

**2004-2014 Ford F-150 4WD 3" Rear Block 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.
13-90385Em	U-BOLT	4
95-302F	3" LIFT BLOCK: Drvr	1
95-303F	3" LIFT BLOCK: Pass	1
20-65303m	HARDWARE PACK: Hi Nuts	1

*Note: All part images may vary from catalog and instructions.*

<u>RECOMMENDED PRO COMP SHOCKS</u>			
<u>2009-2014</u>	<u>4WD</u>	<u>2004-2008</u>	<u>4WD</u>
<u>Front Strut:</u>	621553	<u>Front Strut:</u>	621553
<u>ES Series: (rear)</u>	929504	<u>ES Series:(rear)</u>	927504
<u>MX-6:(rear)</u>	MX6164	<u>MX-6:(rear)</u>	MX6079

**Optional Equipment Available from your Pro Comp Distributor!**

**2004-2008 Models:**

(4WD) Suspension Lift Kit:	52204/52204MX
(2WD) Suspension Lift Kit:	52205/52205MX
Skid plate:*	52104 (4WD)
Traction Bars (Extra cab):	Mounting kit: 72095, Bars: 72500
Traction bars (Super Crew cab):	Mounting kit: 72096, Bars: 72500
Coil over upgrade kit:*	52206MX (4WD),52207MX (2WD)
Add a leaf kit:*	13134
Rear end shim kit:	52700
MX-6 Rear shock:*	MX6009 (4WD), MX6079 (2WD)
MX-6R Reservoir Rear shock:*	MX6068R (4WD), MX6066R (2WD)
MX-6R Reservoir Mounting Kit:*	63012 and 63013
Light Bar:	24700

**2009-2014 Models:**

4WD 6" Suspension Lift Kit	52209/52209MX
2WD 6" Suspension Lift Kit	52213/52213MX
4WD Level Lift Kit	62159
Add a leaf kit: (Use with Suspension lift kit	13137*
4WD Coil Over Upgrade Kit	52211MX*
2WD Coil Over Upgrade Kit	52214MX*
Rear end shim kit	52700
Traction Bar Kit: 4wd Crew Cab Short Bed	72096*

**\*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.**

## REAR INSTALLATION:



1. Prior to installing this kit, with the vehicle on the ground. Measure the height of your vehicle. This measurement can be recorded from the center of the wheel, straight up to the top of the inner fender lip. Record the measurements below.

LF: \_\_\_\_\_ RF: \_\_\_\_\_

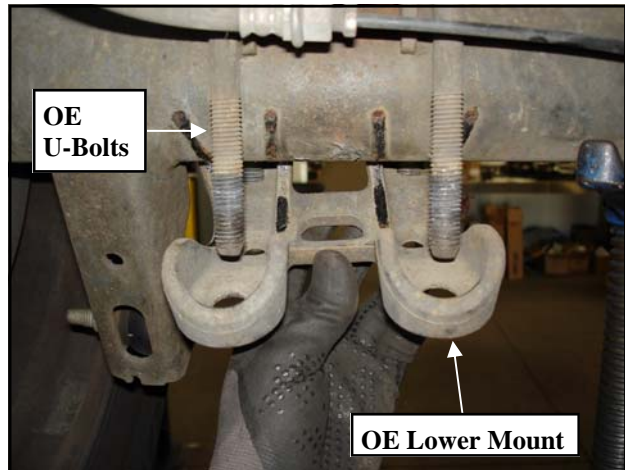
LR: \_\_\_\_\_ RR: \_\_\_\_\_

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 lower shock mount bolts on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
5. Work on one side of the vehicle at a time.
6. Support the rear axle with a floor jack and remove the **U-bolts** on the driver side.

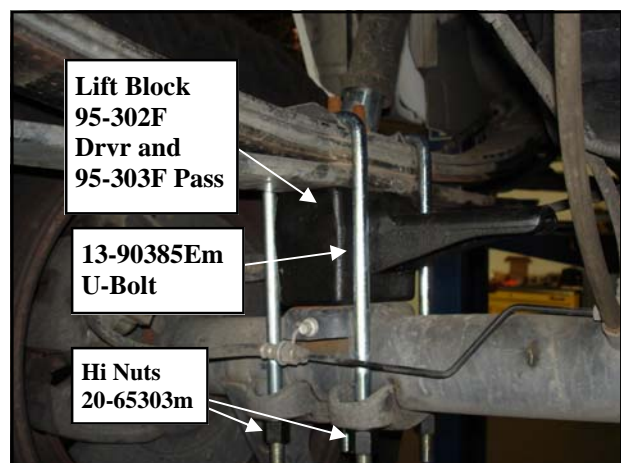
Loosen the **U-bolts** on the passenger side and carefully lower the rear axle.



**NOTE:** Be sure not to over extend the rear brake line and rear axle vent line.

7. Install the lift block (**95-302F Drvr and 95-303F Pass**) making sure the pin are fitted into the hole on the spring perch. Use your floor jack to raise the axle to the spring making sure the pin on the leaf spring fit into the holes on the new lift block.

**NOTE:** Be sure the arrow on the block faces toward the front of the vehicle.



8. Secure the assembly with the **U-bolts (13-90385Em)** and new hi-nuts and washers from hardware pack (**20-65303m**). Do not torque the **U-bolts** at this time.

**NOTE: Make sure the block sits flush on the axle perch.**

9. Repeat the installation on the other side of the vehicle.
10. When the installation of the remaining side is complete, torque the **U-bolts** to **120 ft./lbs.**
11. Reinstall the lower shock mounts using the previously removed **OE** lower bolts. Torque per **OE** specifications.
12. Now would be a good time to inspect the shocks for damage or fluid leakage. Replace if necessary.

**NOTE: For improved performance Pro Comp shocks are recommended. See the box on page 2 for applications.**

13. Check all hardware at this time to ensure that everything is tight. Check for adequate clearance on all repositioned brake lines and emergency brake cables. Make sure you check with the suspension fully extended, and compressed.
14. Reinstall the wheels and lower the vehicle to the ground. Torque the lug nuts according to the wheel manufacturers recommendations.
15. Torque all bolts to factory specifications. Re-torque all bolts after 500 miles.

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

<b>Bolt Torque and ID</b>						
<b>Decimal System</b>			<b>Metric System</b>			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

1/2-13x1.75 HHCS

Grade 5    Grade 8  
(No. of Marks + 2)

D = Nominal Diameter (Inches)  
T = Thread Count (Threads per Inch)  
L = Length (Inches)  
X = Description (Hex Head Cap Screw)

M12-1.25x50 HHCS

P = Property Class (Bolt Strength)  
D = Nominal Diameter (Millimeters)  
T = Thread Pitch (Thread Width, mm)  
L = Length (Millimeters)  
X = Description (Hex Head Cap Screw)