



# INSTALLATION INSTRUCTIONS

**PART No.** FB27255

**05-20 Ford F250/F350  
Steel 2.5" Leveling Kit**



## REQUIRED TOOLS

Jack  
Jack Stands  
Sockets  
Ratchet  
Torque Wrench

## KIT CONTAINS

Coil Spacer	2
Polyurethane Ring	2
Shock Relocator Mounts (Diver/ Passenger)	1ea
Brake Line Relocation Brackets	2
14MM-2.0x80mm Hex Bolt	2
14MM-2.0 Nylock Nut	2
14MM Flat Washer	4
3/8"-16x3/4 Hex Bolt	2
3/8"-16x3/4 Flat Washer	4
3/8"-16 Lock Nut	2

## QTY



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*NOTE: All part images can vary from internet and instructions booklet.*

## **BEFORE AND AFTER LIFT**





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### Introduction:

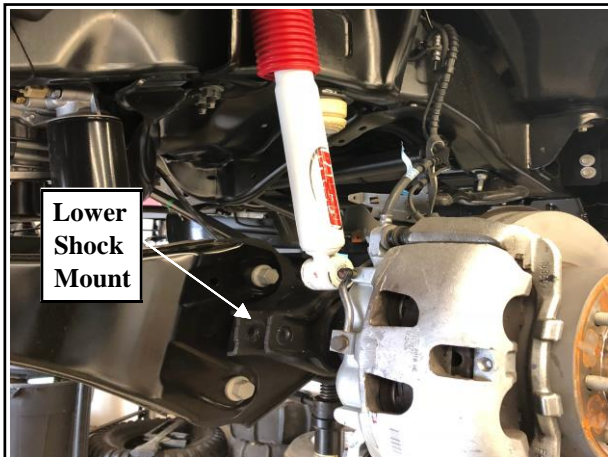
- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, very carefully inspect the vehicle's 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 cracks. The overall vehicle must be in excellent working condition. You must repair or replace all worn or damaged parts!
- ◆ Read the instructions carefully and study the illustrations before attempting install! 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 Fishbone Offroad lift kit is a positive experience, differences in construction and assembly during the vehicle manufacturing process will 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 department at the number listed on the cover page. We do not recommend that you modify the Fishbone Offroad parts in any way as this will void any warranty expressed or implied by the Fishbone Offroad company.**

# FB27255 05-20 Ford F250/F350 Steel 2.5" Leveling Kit

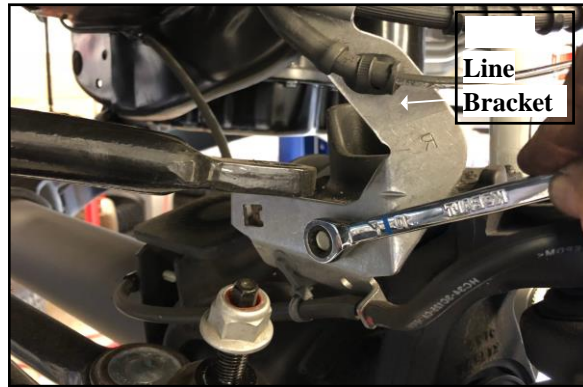
1. Position your vehicle on a smooth, flat, hard surface (concrete or asphalt). Block the rear tires and set the emergency brake.
2. Measure and record the distance below from the center of each wheel to the top of its fender opening.

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

3. Place the vehicle in neutral. Place your floor jack under the front axle and raise the vehicle. Place jack stands under the frame rails and lower the frame onto the stands. Remove the jack and place the vehicle back in gear, set the emergency brake, and place blocks both in front and behind the rear wheels.
4. Remove the front wheels.
5. Raise the axle using the floor jacks to remove the tension from the shocks.



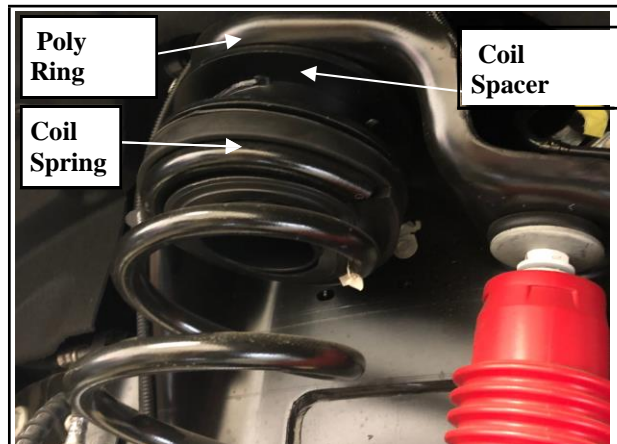
6. Disconnect the end links to the sway bar, frame brake line bracket and OE shocks. (both sides).



7. Lower the front axle as far as possible. Remove only one spring (mark or note springs location & orientation before removal). Remove OE spring isolator.



8. Compress spring down, install new coil spacer, poly ring, OE spring isolator and reinstall spring. Be sure to line up the previously applied coil spring reference mark.



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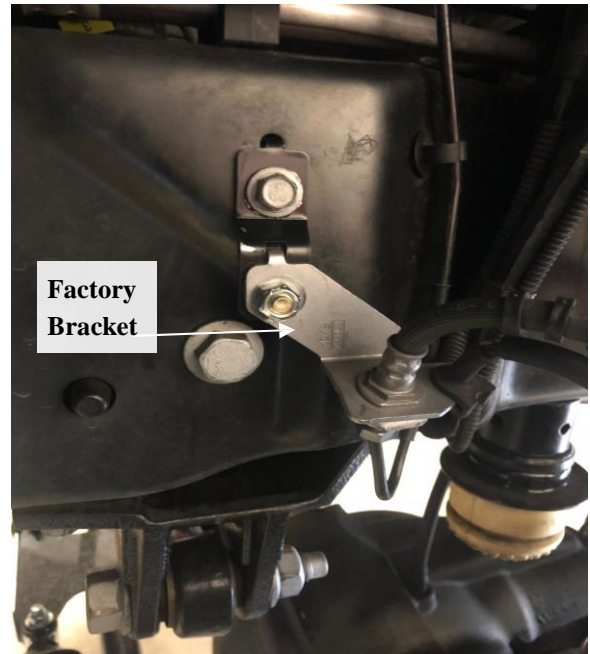
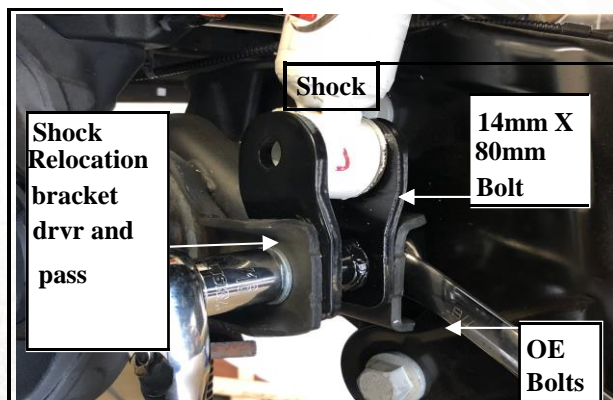
9. Lift axle back up and reinstall the brake line bracket and reconnect sway bar end links.

*NOTE: For 2008 models, unbolt the brake line bracket from the frame. Measure down 2" from the original frame mounting hole and drill another 3/8" hole. Secure the brake line bracket to the new hole in the frame using the previously removed OE hardware.*

10. Now would also be a good time to inspect the rear shocks for damage or fluid leakage. Replace if necessary.

11. **Install the shock relocation brackets** into the lower shock mounts using the previously removed **OE bolts** and hardware. Secure the **OE shock lower mount** into the shock relocation brackets using the supplied

**14mm-2.0 X 80mm bolts** and hardware.



12. **Install brake line drop bracket**

remove factory bolt holding the brake line to frame in front of the coil using a **12mm** socket or wrench. install new supplied drop bracket with the added hardware 3/8-16 x 3/4 with flat washers and lock nut. reinstall factory hardware in stock location in new brake-line bracket

**Careful not to pinch or kink brake-line while removing!**

**Please Please!!!** When install is complete go through each and every step one more time to confirm that all processes were complete per our install booklet!! **This is very important as things can be missed because you're excited to see your ride!!!**

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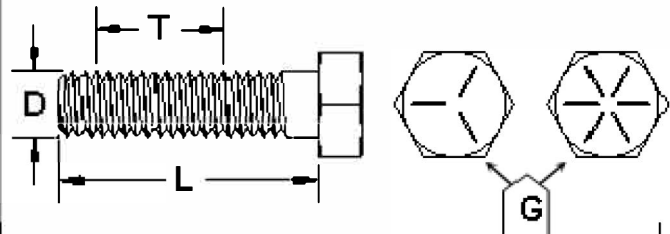
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Use this only as a guide for hardware without a called out torque specification in the instruction manual.

<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

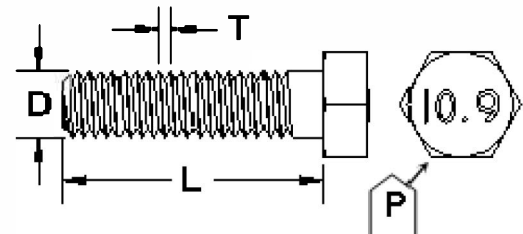
  



1/2-13x1.75 HHCS      **Grade 5    Grade 8**  
(No. of Marks + 2)

**D**   **T**   **L**   **X**

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



M12-1.25x50 HHCS

**D**   **T**   **L**   **P**

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