



INSTALLATION INSTRUCTIONS

PART No.

FB27253

**2009-17 Dodge Ram 1500
4WD Steel 2" Leveling Kit**



*******THIS INSTALL SHOULD BE DONE BY A PROFESSIONAL*******

*******YOUR VEHICLE WILL REQUIRE AN ALIGNMENT AFTER INSTALL*******

*******AFTER INSTALLATION, THE STEERING, BRAKING, AND HANDLING WILL BE DIFFERENT*******

REQUIRED TOOLS

Jack
Jack Stands
Sockets
Ratchet
Torque Wrench
Wrenches

KIT CONTAINS

Steel Spacers
Lock Nuts

QTY

2
6

2725300



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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 or deformations. 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.**



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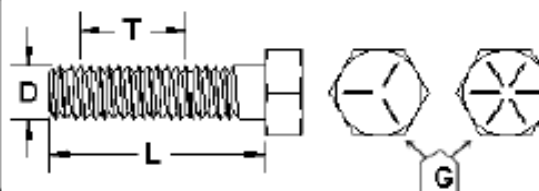
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- 1) Position your vehicle on a smooth, flat, hard concrete or asphalt surface, Block the rear wheels and set the parking brake.
- 2) Using jack stands under the frame behind the lower control arms, rest the weight of the vehicle on the jack stands and remove the jack. Ensure jack stands are correctly installed and used properly during this process.
- 3) Begin by removing the front wheels
- 4) It is recommended to install this lift one side at a time, so you may use the other side as a reference for bolt and part orientation.
- 5) Position the jack under the Lower control arm so you can support the Lower control arm when removing components.
- 6) Begin removing the ABS wire sensor harness and Brake line brackets to ensure these components are not damaged when installing this leveling kit. Retain OE hardware for re-installation.
- 7) Remove the Sway Bar end link and position it out of the way of moving parts.
- 8) Remove the tie-rod end from the lower control arm, being careful not to damage the threads. inspect the tie rod ends for excessive play or a torn boot.
- 9) Loosen the upper ball joint nut, using a dead blow mallet strike the ball joint knuckle to free the upper control arm.
- 10) Drop the lower control arm, make sure to support the lower control arm to prevent damage to the CV axle if the lower control arm falls.
- 11) Remove the Strut From the frame and control arm, you may have to tap the bolt through the mount, be careful not to damage the threads.
- 12) Next, Remove the three upper strut mounting nuts from the top of the coil spring bucket.
- 13) While manipulating the lower control arm, remove the strut assembly from the vehicle.
- 13) With the strut assembly removed, it is now a good time to further inspect the assembly for damage, oil leaking from the strut or cracked or corroded components must be replaced.
- 14) Begin installing the Steel leveling kit onto the top of the strut assembly with a wrench and thread locker. Make sure to go over each bolt three times in a star pattern to ensure proper torque is achieved onto each stud.
- 15) Place strut assembly and the newly installed lift kit back into its corresponding location into the vehicle. Make sure to use the opposite side of the vehicle as a reference for proper alignment. Torque down the top three strut nuts to spec in a star pattern.
- 16) Begin re-assembling the vehicle in the opposite order, making sure bolts are torqued down properly. Reconnect the ABS harness and ensure all lines are in good condition. Repeat process on opposite side of the vehicle.
- 17) Enjoy your new Fishbone Offroad leveling kit!

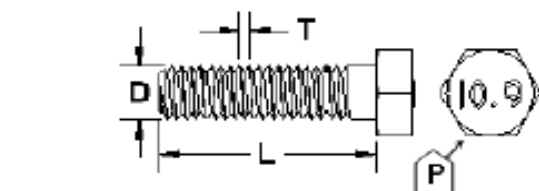
Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
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



M12-1.25x50 HHCS

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)

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

After your leveling kit is installed:

Lower your vehicle, check all parts which have rubber and make sure to test the ABS wire harness and brake lines for adequate slack once tires are in their extreme L/R positions to prevent damage to those components. Bounce the suspension to make sure it moves properly without any interference.

Your Vehicle will now handle differently than stock, avoid sharp maneuvers and take time to familiarize yourself with the driving dynamic of the vehicle.

It is necessary to have your vehicle professionally aligned by a certified alignment technician.

For your safety and others, the vehicle's front end is now higher than stock and its headlamps are out of alignment it is highly recommended to aim and adjust your headlight beam pattern to allow proper illumination and to prevent hindering the sight of oncoming traffic.

AFTER 50 MILES CHECK AND ENSURE ALL BOLTS AND FASTENERS ARE PROPERLY TORQUED ACCORDING TO THE VEHICLE'S FACTORY SERVICE MANUAL