



INSTALLATION MANUAL

Vehicle: 2004-2008 Ford F150, 2WD and 4WD Prerunner Kit
2009-2014 Ford F150, 2WD and 4WD Prerunner Kit
2015+ Ford F150, 2WD and 4WD Prerunner Kit
2010-2014 Ford Raptor, Prerunner Kit

Part # F10P04, F10P09, F10P15

Level 2 Install: Bolt on w/drilling and/or minimal grinding

Install Time: 8 hours (approximate)

****NOTE:** Read through entire installation manual before deciding whether to attempt the procedure. Do not attempt if you do not possess the proper know-how and tools necessary to complete the installation.

Prerunner Kit

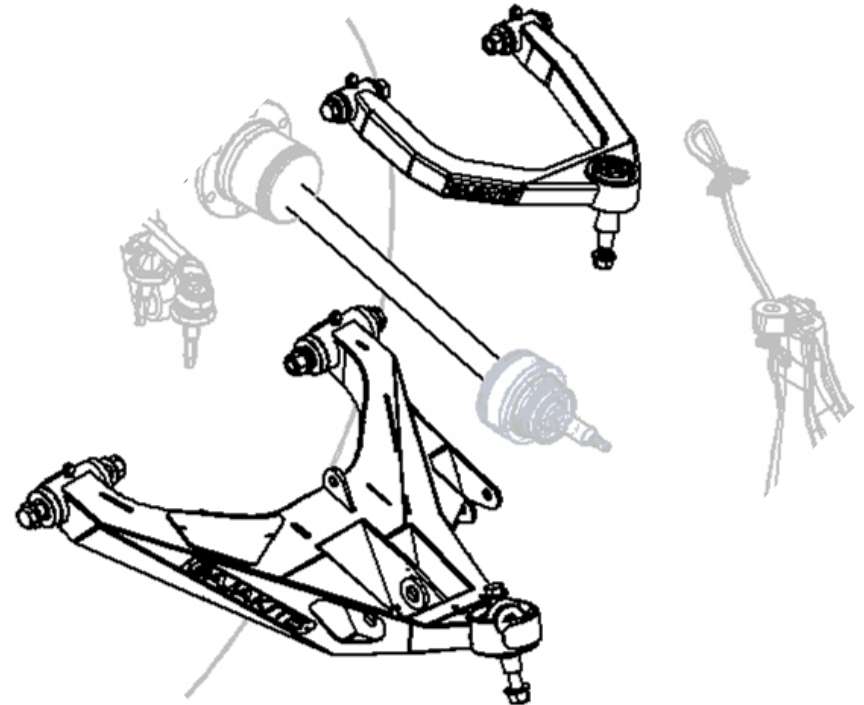
Vehicle: 2004+ Ford F150, 2WD and 4WD,
2010-2014 Ford Raptor

Parts List:

- LH & RH Upper Control Arm (UCA)
 - Uniball (installed)
 - Delrin Bushings (installed)
 - Crush sleeves (installed)
 - Baja Kits badges (installed)
 - Zerk fittings (installed)
 - Misalignment spacers (installed)
- LH & RH Lower Control Arm (LCA)
 - Uniball (installed)
 - Delrin bushings (installed)
 - Crush sleeves (installed)
 - Baja Kits badges (installed)
 - Zerk fittings (installed)
 - Misalignment spacers (installed)
- Steering extensions
- Extended length axle (4WD only)
- Extended length brake lines with hardware
- Aftermarket Shocks with hardware (sold separately)

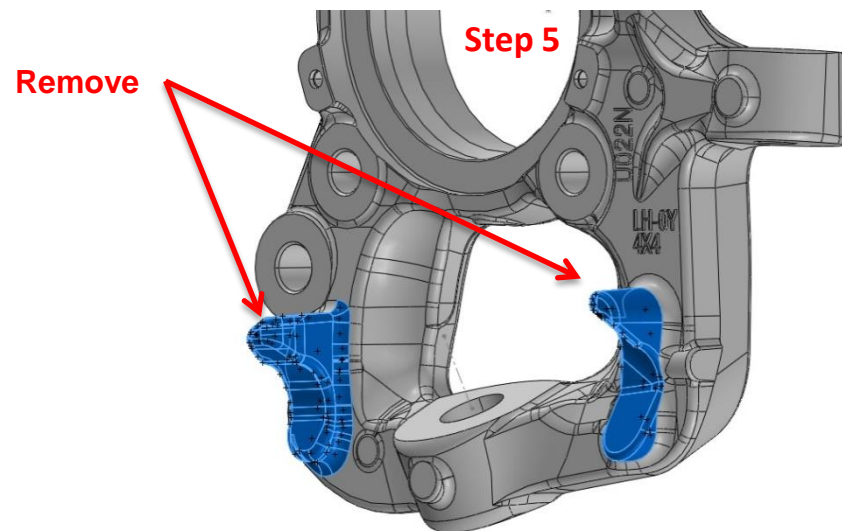
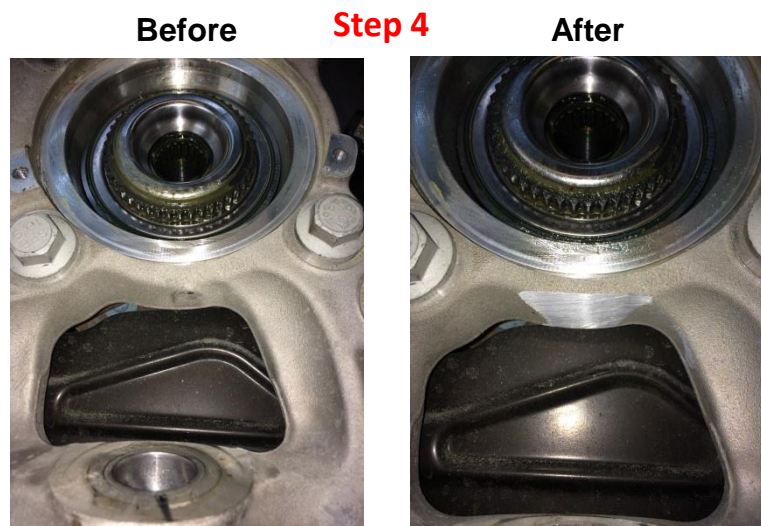
Tool List:

- 1/2" 12 point socket
- Metric socket/wrench set
- SAE socket/wrench set
- Red threadlocker
- Vehicle jack and jack stands
- Torque wrench



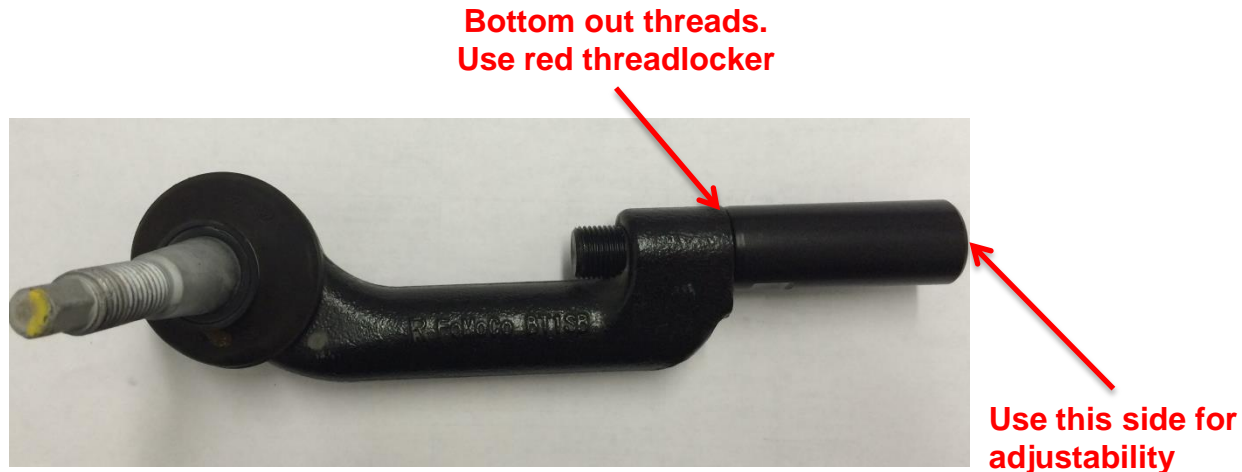
Prerunner Kit

1. Start by lifting the front end of the vehicle and placing wheel chocks behind both rear wheels. Make sure vehicle is stable before proceeding
2. Remove the front wheels and tires, stock UCA, LCA, spindle, and coilover
 - If you plan on using the stock Gen1 Raptor coilover, you do not need to remove the coilover
3. Non-raptor 4WD applications; remove front axle and set aside for later reassembly
 - Remove 4WD actuator from upright
4. Test fit LCA and upright, slight grinding may be required (see photo)
5. Clearance steering stops on Upright (see photo)
 - ** skipping this step will damage Lower arm, under extreme full droop/bump and full lock scenarios the spindle may touch the LCA, this is normal**
6. Install coilover in frame if removed (*Loosen coil seat set screw before installing*)
 - see page 5 for 04-08 and page 6 for 2015
7. Install Baja Kits LCA using supplied hardware by connecting to coilover then to frame



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6. Install Baja Kits boxed UCA to frame using the factory hardware
7. Refer to page 11 for Bypass Mount Instructions if applicable (sold separately)
8. For F-150 applications, install Baja Kits steering extender with red threadlocker, making sure to bottom out extender on steering rod end (see picture)
 - To make adjustments to alignment, ONLY rotate stock tie rod
9. Rebuild stock axle with supplied extended length axle if non-raptor application
 - Instructions for this procedure can be found in the included "Axle Rebuild Manual" or on our webpage
 - **** If you do not have the correct tools or expertise, please have the axles rebuilt by a professional ****



Prerunner Kit

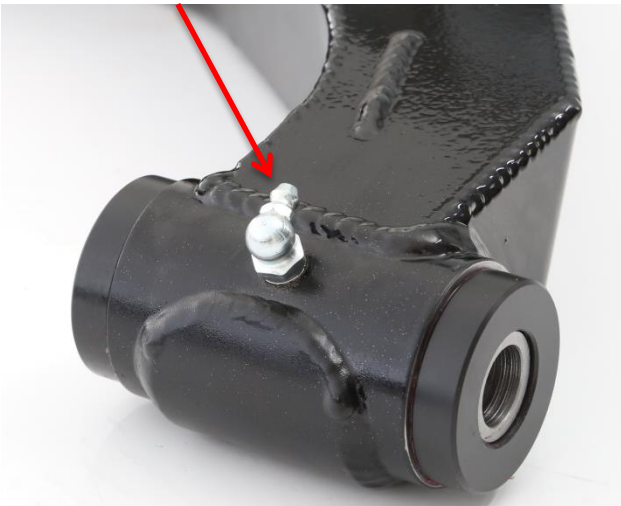
- 11. Connect upright to LCA using supplied tapered misaligns and hardware
 - Make sure axle is located in upright at the same time
- 12. Finger tighten hub nut to hold axle in place
- 13. Connect UCA to upright using supplied tapered misaligns and hardware
- 14. Disconnect stock brake line and replace with supplied brake line (F150 only) ^{**see note}
- 15. Set ride height of truck and tighten coil seat locking screw
- 16. Torque all bolts to stock specifications
- 17. The suspension should be cycled with the wheel and tire in order to appropriately check for any trimming needed (**this step is **STRONGLY** recommended to avoid clearance issues later on**)
 - This should be done with a shock installed, minus the coil spring
- 18. Grease all zerk fittings on the UCA and LCA (two fittings per control arm)
- 19. After install is complete, have alignment checked by a professional
- 20. Follow the BajaKits “General Maintenance Guide” for the lifetime of the kit

SIDE NOTE

Often Times the Male Brake line threads are over tightened and crushed during assembly on the Ford assembly line, If the threads are damaged and our Brake line adapter does not thread on easily, you will need to fix the first few threads by chasing them with a M10X1.5 (15+) or M10X1.0 (04-14) Die



Grease Fitting (zerk)

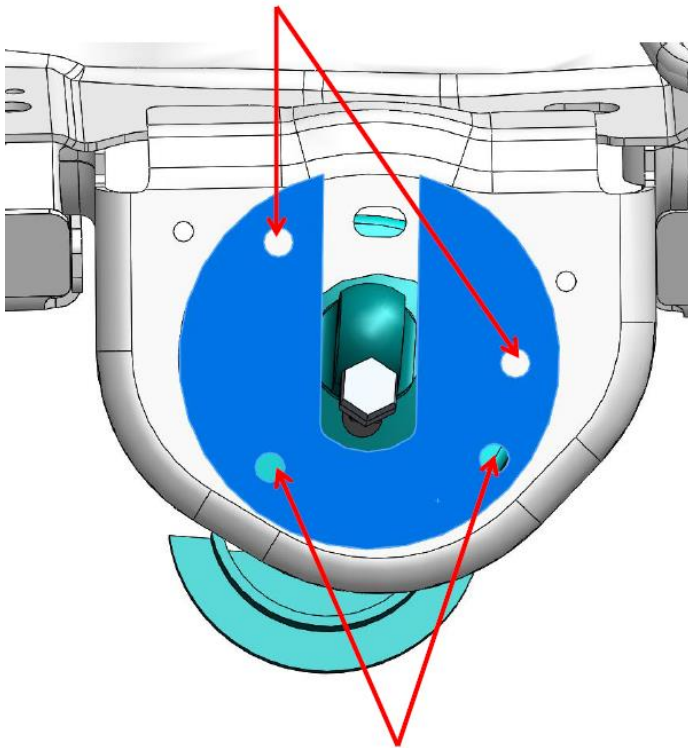


Prerunner Kit

King Shock (Gen1, 3.0 Raptor replacement) installation for 2004-2008 Ford F150, 2WD and 4WD

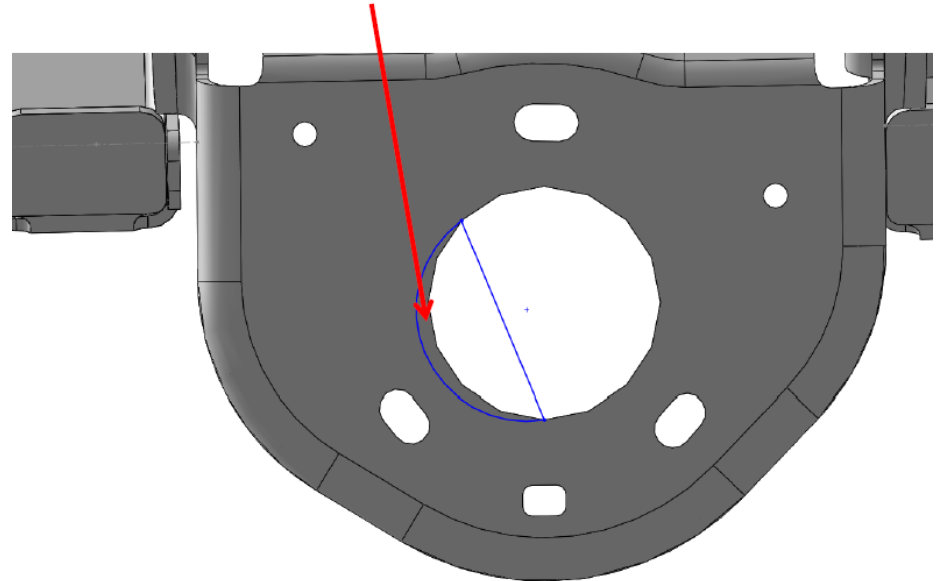
DRIVER SIDE SHOWN

MARK AND DRILL TWO REMAINING HOLES



ALIGN TWO OUTSIDE HOLES

SLIGHT TRIMMING WILL BE NEEDED TO CLEAR
COIL-OVER TOP CAP ON BOTH SHOCK BUCKETS



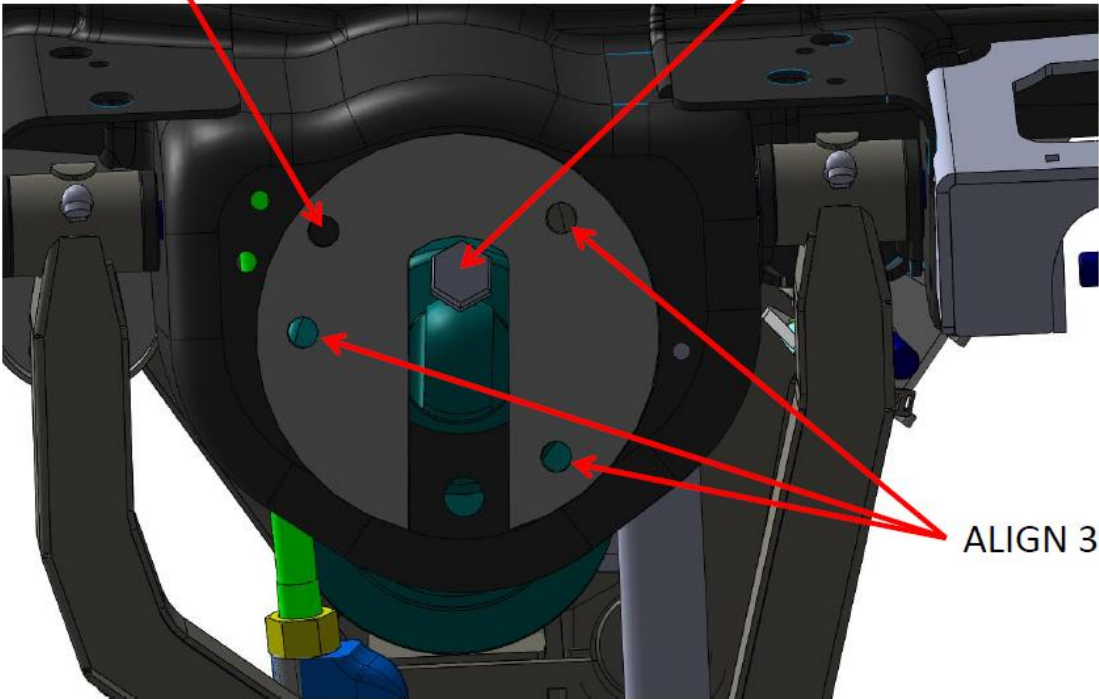
Prerunner Kit

King Shock (Gen1, 3.0 Raptor replacement) Installation for 2015+ Ford F150, 2WD and 4WD

DRIVER SIDE SHOWN

NOTE: USE PASSENGER COIL ON DRIVER
SIDE, AND DRIVER COIL ON PASSENGER
SIDE
*MAKE SURE HOSE FITTINGS ARE TOWARDS
CENTER OF VEHICLE

DRILL HOLE IN SHOCK BUCKET



ALIGN 3 HOLES



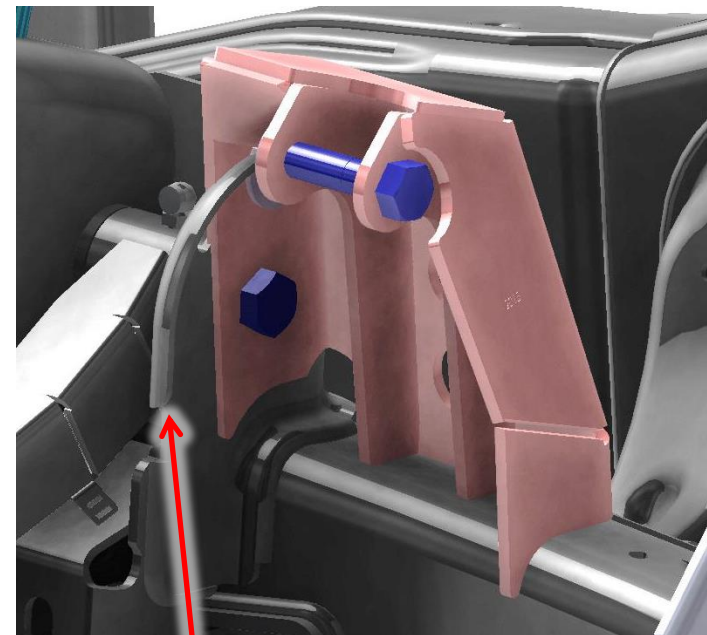
FRONT OF VEHICLE

Prerunner Kit

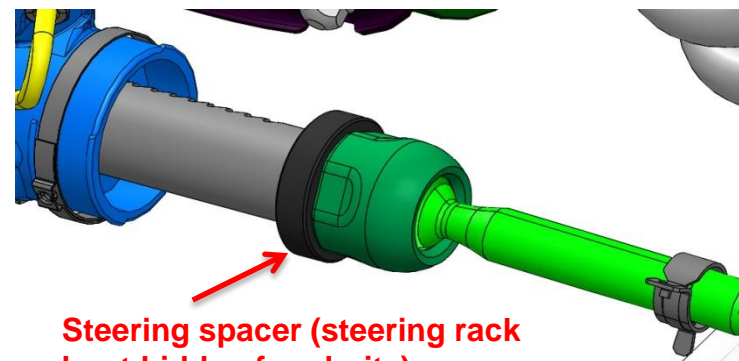
Ford F150/Raptor Bypass mount installation

1. Lift front of truck and remove wheel
2. Remove rear UCA bolt and use to locate Bypass Mount to frame
 - Flange on side of stock mount will need to be smoothed for proper fit
 - Bypass mount should be in contact with frame and aligned with UCA bolt hole
3. Before welding;
 - Prep surface making sure to remove all dirt and paint
 - Disconnect battery
4. Weld bypass mount to frame
 - Only an experienced welder should attempt this
 - After the welds have cooled, cover the raw metal with a rust preventative paint
5. Disconnect steering tie rod from Upright and steering rack
6. Place delrin spacer onto steering rack and re-connect tie rod (see photo)
 - Failure to install the spacer will lead to damage to the bypass and tires
7. Connect bypass to LCA and chassis mount
8. Put tire onto truck, and cycle steering to check for clearances

Driver side shown



Remove bent flange



Steering spacer (steering rack boot hidden for clarity)

FOR ANY TECHNICAL QUESTIONS OR
SUPPORT, PLEASE CONTACT BAJA KITS AT
949-566-8615

Rev	Description	Date	Initial
-	Initial Release	8/10/2017	JOS

