



## INSTALLATION MANUAL

**Vehicle:** 2007-2013 Chevy Silverado/Sierra 1500 & Tahoe/Yukon, 2WD & 4WD Prerunner Kit  
2014+ Chevy Silverado/Sierra 1500 & Tahoe/Yukon, 2WD & 4WD Prerunner Kit

**Part #** C12P14 – ALUM  
C12P14 – STL  
C14P14 – ALUM  
C14P14 – STL

**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.

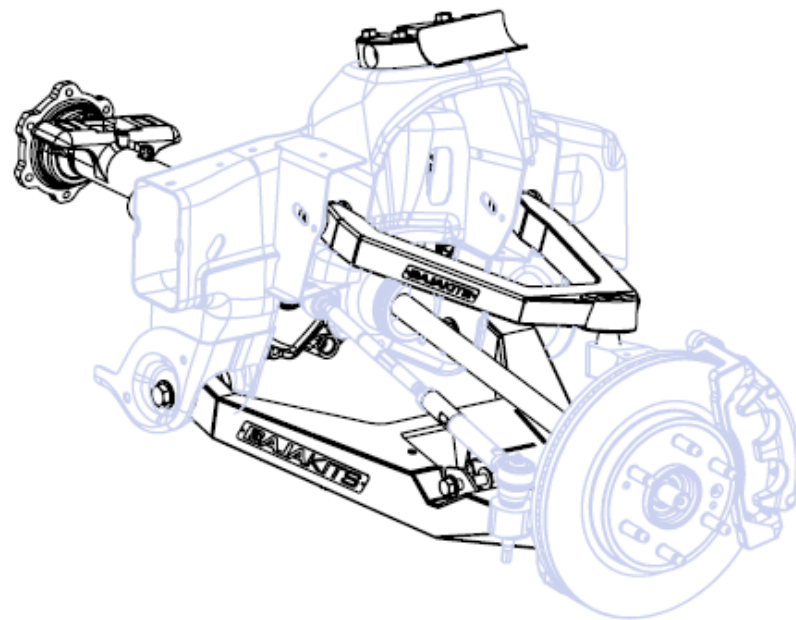
# Prerunner Kit

**Vehicle:** 2007+ Chevrolet Silverado/Sierra 1500 & Tahoe/Yukon, 2WD & 4WD **Tool List:**

## 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 (optional)
- Shock coil spacer/adaptor with hardware (optional)

- 13/16" Socket/wrench
- 15/16" Socket/wrench
- 3/4" Socket/wrench
- 10mm Socket/wrench
- 1/2" – 12 point socket
- 9/16" – 12 point socket
- Red threadlocker
- Cut off Wheel
- Grinder



## Prerunner Kit

**NOTE:** Before beginning installation it is important to determine which material (steel or aluminum) suspension you have in your truck.

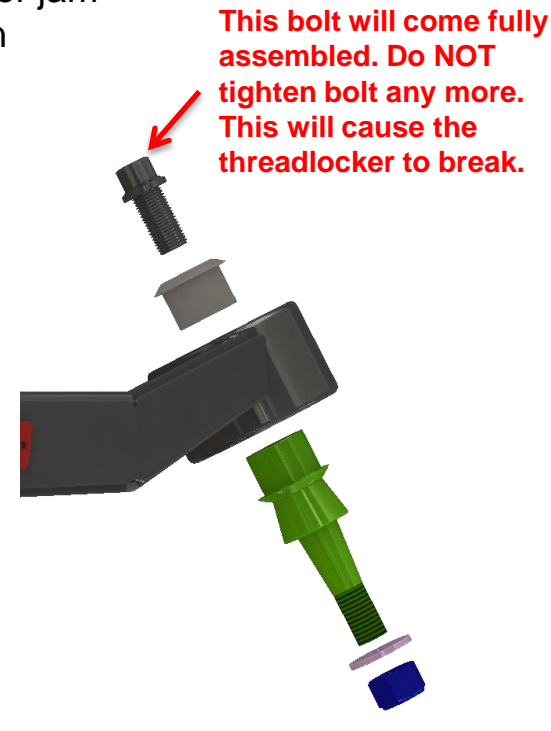
- For any truck manufactured from 2007-2013, you will have steel suspension
- For any truck manufactured from 2014-2016.5, you will need to follow our reference guide to determine whether you have steel or aluminum suspension
- For any truck manufactured from 2016.5+, you will have steel suspension with an updated ball joint taper
- To determine the date of manufacture, look at the badge on the driver side door jam
  - A 2016.5+ truck will have a date of manufacture that is July 2016 and on

**Aluminum Spindle**

**Steel Spindle**



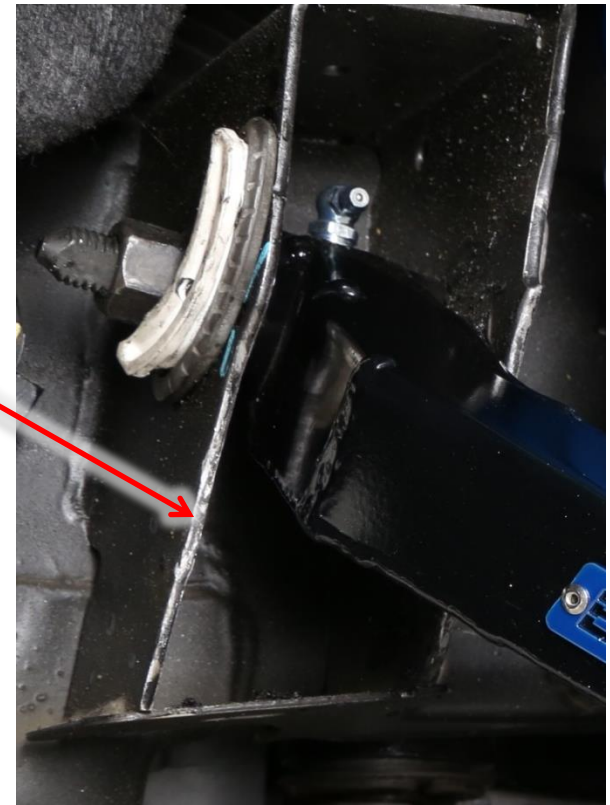
Aluminum Upper Arm assembly



Steel Upper Arm assembly

# Prerunner Kit

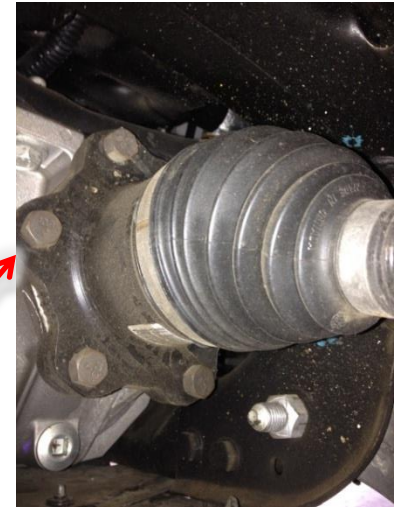
1. Install fiberglass fenders for maximum wheel travel (Using a stock fender is an option for mild use)
  - **\*\*ATTENTION\*\*** You may run 35" tires with stock fenders for mild use **ONLY**. 35" tires will clear under normal driving conditions and **WILL** contact your stock fender at full compression (AKA jumping the truck, hitting bumps or driveways at speed) The owner accepts the risk of damaging the stock fenders in this scenario.
2. Remove stock suspension: Knuckle, UCA, LCA, Axle Assembly, Shock, Sway bar (will not be reused), and tie rod **END** only
3. Cut off factory droop stop (this is the only cutting on the entire suspension kit, see pictures below)





## Prerunner Kit

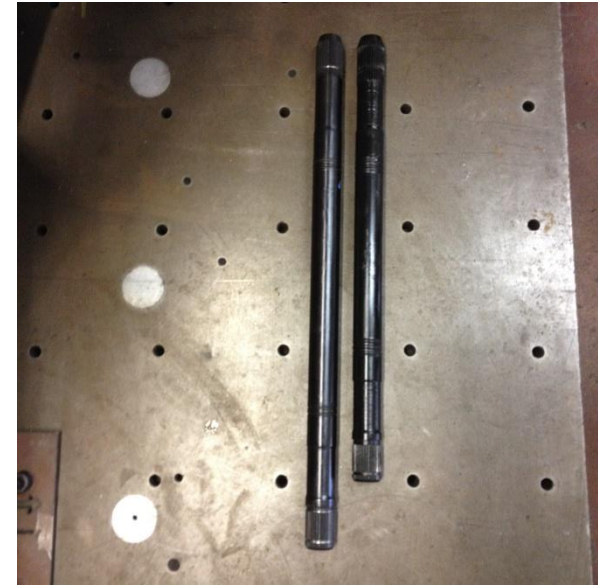
4. Install LCA using the factory hardware
  - Torque to 150ft lbs
  - Use red threadlocker
5. Assemble axle with supplied Baja Kits axle (4wd models only)
  - Remove boot, then remove inner C clamp to separate axle from CV
  - Remove roller retaining clip
  - Install rollers onto Baja Kits supplied axle and install into CV
    - Add grease if needed.
6. Install axle using red Loctite on the bolts & Torque to 60ft lbs ----10.5X1.5 bolts
7. \*\* Use our "Axle Rebuild Manual" for reference. It can be found on our webpage\*\*



Inner C clamp

5

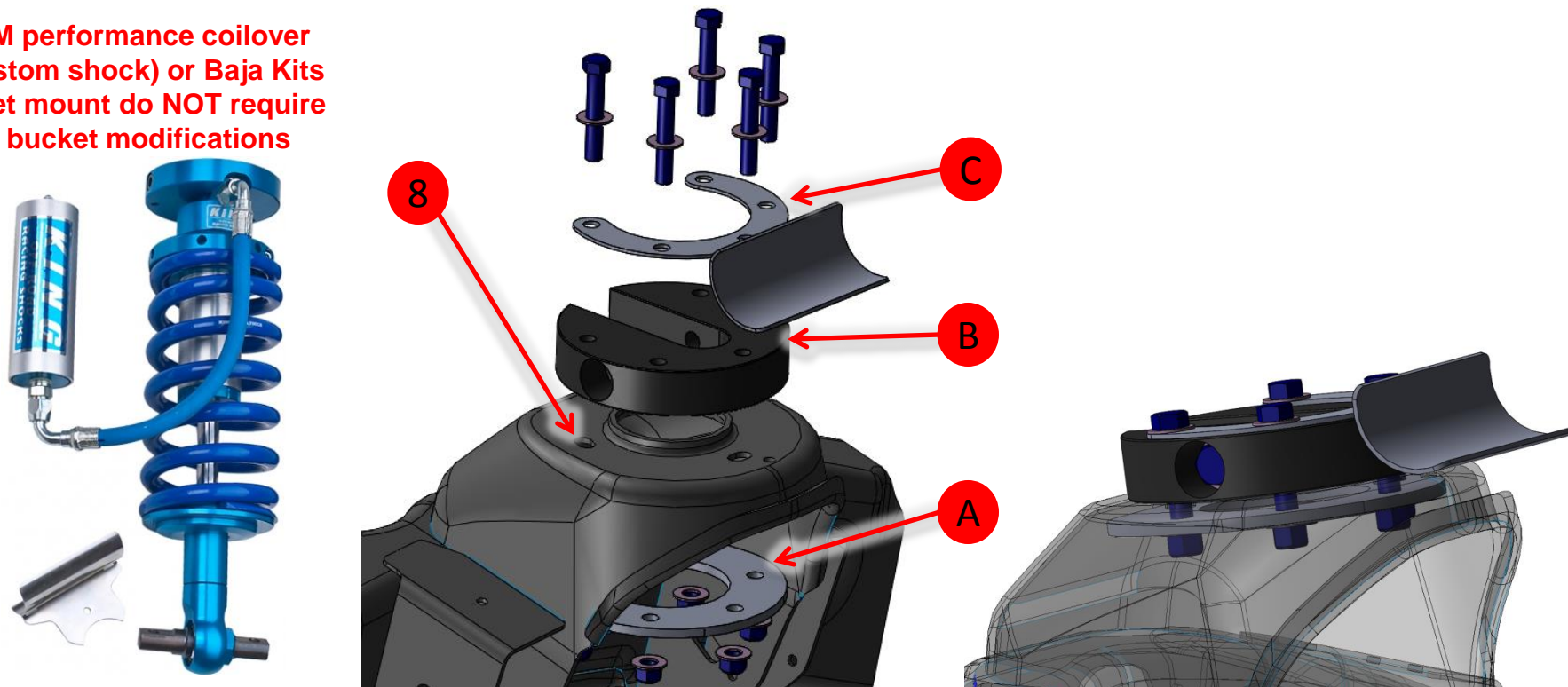
Roller retaining clip



## Prerunner Kit

8. Using shock mount, align 3 of the mounting holes and mark/scribe the other two holes (skip this step if using OEM length aftermarket shocks)
  - \*\*Drill and bolt using ALL of the holes. If not, this will result in failure at the shock mounting point\*\*
  - Drill the stock shock bucket where the holes are marked using a 7/16 drill bit
9. Install King 3.0, 2.5 or Fox Shock in this order: (OEM length Shocks do not utilize these parts.)
  - A. Install inner plate under coil bucket.
  - B. Install billet shock mount and reservoir bracket above and outside the coil bucket as shown below.
  - C. Install coil over and reservoir mount. Make sure that shock nitrogen valve is closest to engine.

**OEM performance coilover  
(custom shock) or Baja Kits  
billet mount do NOT require  
coil bucket modifications**



# Prerunner Kit

## 10. Install UCA using stock alignment cam bolts

\*If using Steel knuckle, proceed to 10., see picture for reference

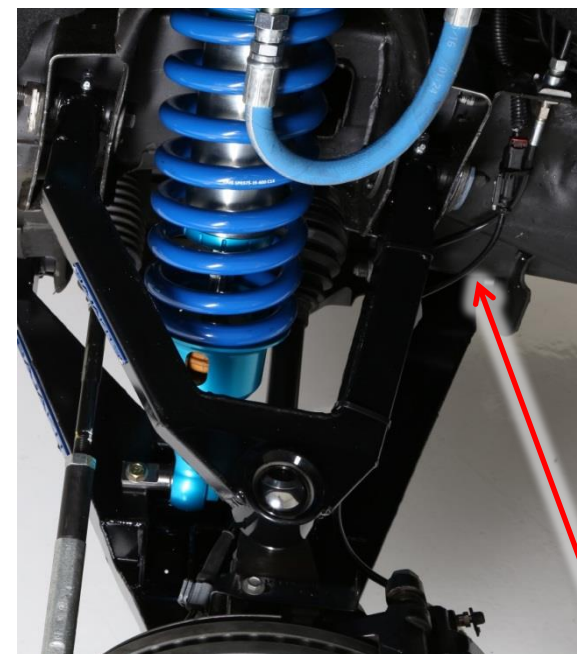
## 11. Install Knuckle (**aluminum version** and all 2016.5 and newer.)

- Insert axle end through hub and thread axle nut on
- Bolt Knuckle to the LCA using Baja Kits CNC Machined Taper adapters and hardware using red Loctite. Make sure nut is on top side of LCA and torque to 150 ft-lbs
- Bolt Knuckle to the UCA using Baja Kits CNC Machined Taper adapters and hardware, may require floor jack to lift into place
- Tighten hub nut to factory Specs
- Install and route supplied brake line and hardware as shown and bleed brakes

## 12. Install Knuckle (**steel version**)

- Drill top upright mount to clear ½" bolt for misalign
- Hand tighten CNC Machined LCA Taper adapters to uniball
- Bolt Knuckle to the LCA using supplied hardware and red Loctite. Torque to 150 ft-lbs
- Insert axle end through hub and thread axle nut on
- Hand tighten CNC Machined UCA Taper adapters to uniball
- Bolt Knuckle to the UCA using supplied hardware, may require floor jack to lift into place
- Tighten hub nut to factory Specs
- Install and route supplied brake line and hardware as shown and bleed brakes

**Torque to 150 ft-lbs**



**Brake line route**



## Prerunner Kit

### 13. Steering

- Install Baja Kits CNC machined steering extension between tie rod & tie rod-end using red threadlocker, making sure to thread into rod-end entirely
- Bolt to Knuckle
- To make adjustments to alignment, rotate ONLY stock tie rod

14. If using the stock bumper it will need to be trimmed to clear a 35" tire, see photo for reference

15. Have alignment checked after install is complete (you may use our "General Maintenance Manual" for reference alignment instructions)

The Baja Kits Front Valance is Sold separately and includes all hardware, this will clear a 35" tire with no trimming

Trim stock bumper



Baja Kits Valance





## Prerunner Kit

16. Check and torque bolts after the first 500 miles
17. Make sure to follow the maintenance procedures outlined in the Baja Kits “General Maintenance Manual” for the life of the truck
  - This will ensure that the kit is able to perform at it's top level



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

Rev	Description	Date	Initial
-	Initial Release	3/12/18	BP