



## INSTALLATION MANUAL

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

**Part #** C12R14  
C14R14

**Level 3 Install:** Welding, drilling, grinding, and fabrication required

**Install Time:** 40 hours (approximate, times will vary depending on knowledge and skill level)

**\*\*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. **Below is Baja Kits suggested install procedure, ultimately it is up to the installer/fabricator to cycle the suspension and verify all components are functioning properly before welding.**

# Race Kit

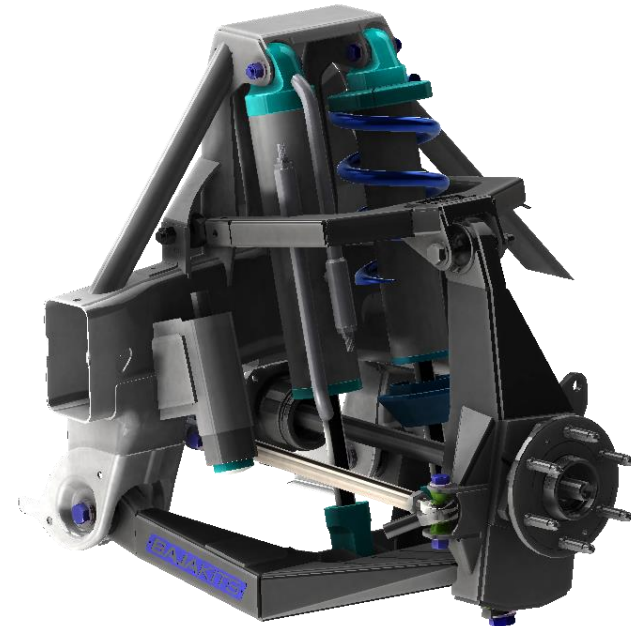
**Vehicle:** 2007+ Chevy 1500 Silverado/Sierra & Tahoe/Yukon

## Parts List:

- LH & RH Upper Control Arm (UCA)
  - Rod ends (installed but may require adjustment)
  - Baja Kits badges (installed)
  - Misalignment spacers (installed)
- LH & RH Lower Control Arm (LCA)
  - Uniballs (installed)
  - Baja Kits badges (installed)
  - Misalignment spacers (installed)
  - Uniball spacers
- Steering Tie Rod
  - Billet steering clevis and CNC machined bolt
  - Adjustable tie rod with rod ends
  - Misalignment spacers
- Custom fabricated upright with uniball installed
- Extended brake lines with hardware
- King coilover, Bypass, & all necessary hardware (Sold separately)
- King bump stop and fabricated mount (sold separately)
- Coilover and Bypass fabricated mount
- Limit straps with hardware and weld on tabs
- Fixture tab for shock box (Stamped "C10R14")

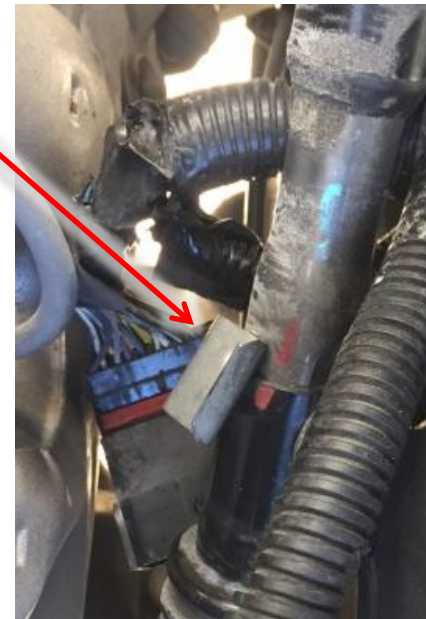
## Tool List:

- Metric socket/wrench set
- SAE socket/wrench set
- 1/2" 12 point socket
- Cut off wheel
- Grinder
- Welder
- Vehicle jack and jack stands
- Various pliers
- Torque wrench
- Red threadlocker



## Race Kit

1. Start by lifting the front end of the vehicle onto jack stands. Make sure the vehicle is secure
2. Remove the stock suspension components; LCA, UCA, Upright, Steering tie rod, sway bar, and front axle assembly (**4WD only**)
3. Cut away the stock shock mount and UCA connections
  - Remove flange bolted to steering column once shock mount is removed



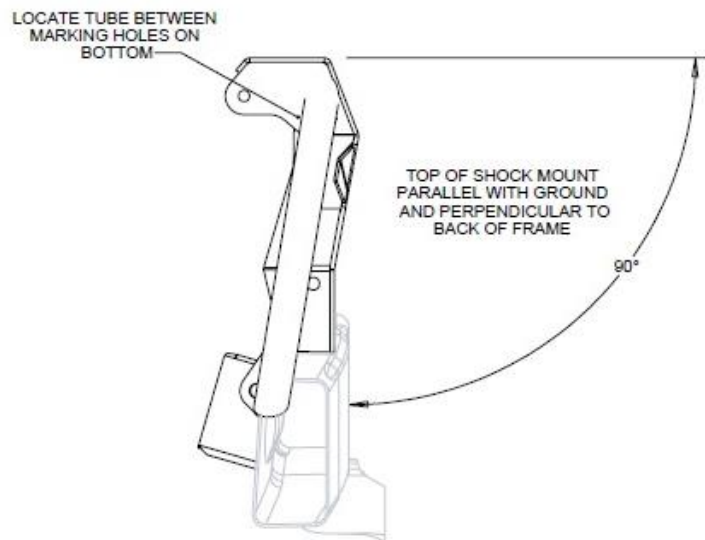
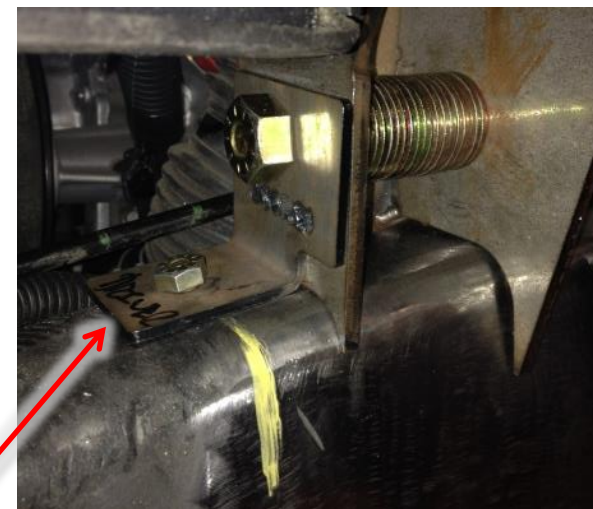
Before



After

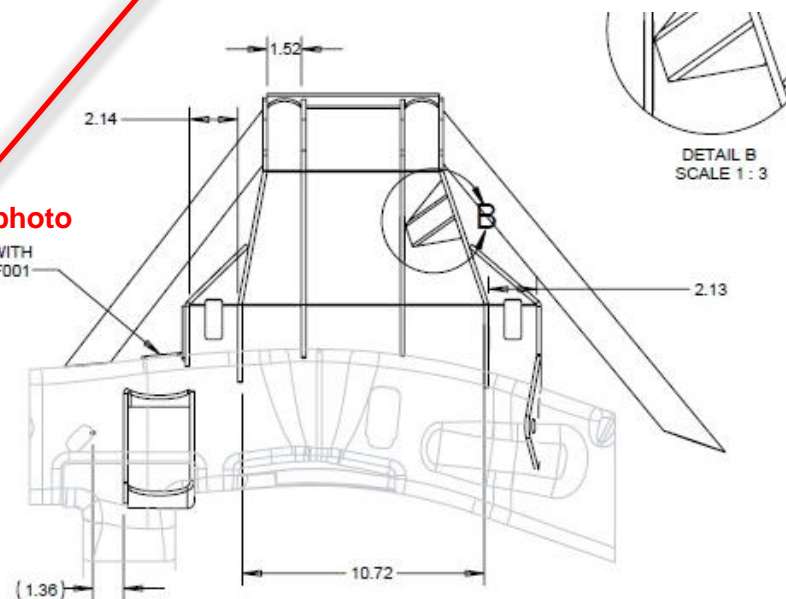
## Race Kit

5. Disconnect the battery for welding, and make sure to prep all welding surfaces prior to welding (remove paint, rust, and dirt: acetone or WD40 will help clean the surface)
6. Using the location tab, tack the Baja Kits shock box to the frame
  - Passenger side manifold heat shield must be removed
7. Tack bump stop mount into place
  - See picture below



Refer to photo

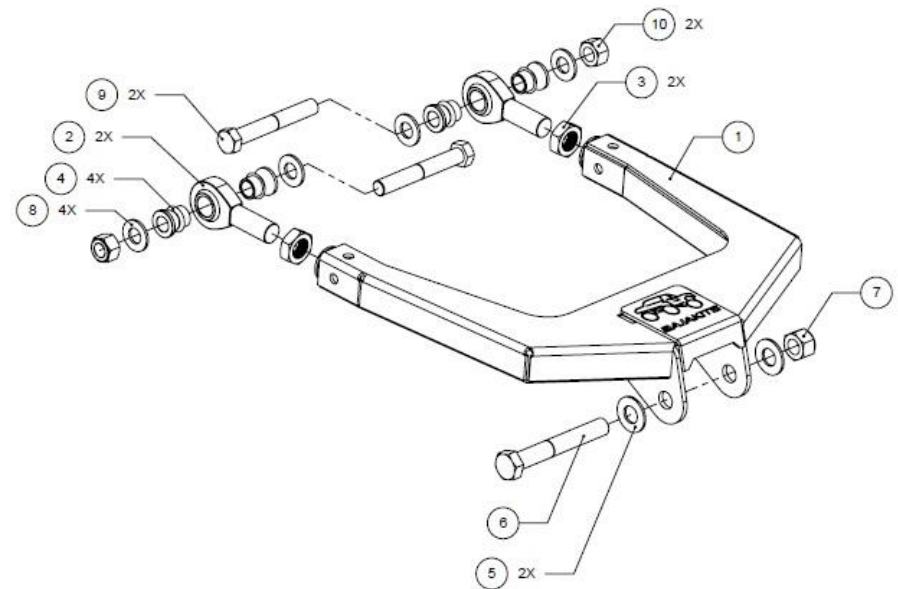
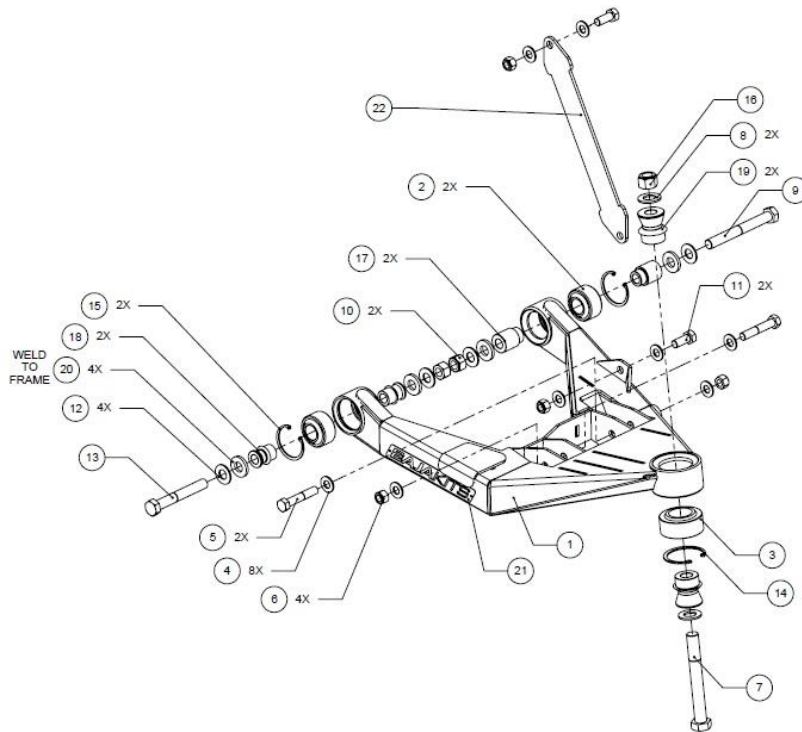
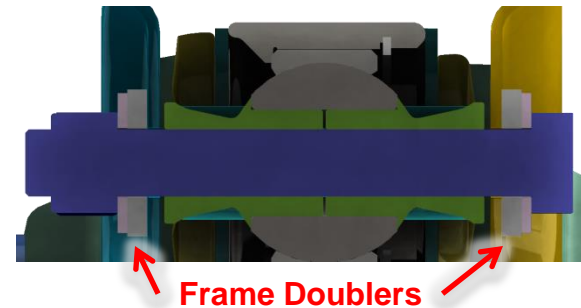
LOCATE WITH  
C10R14-F001





## Race Kit

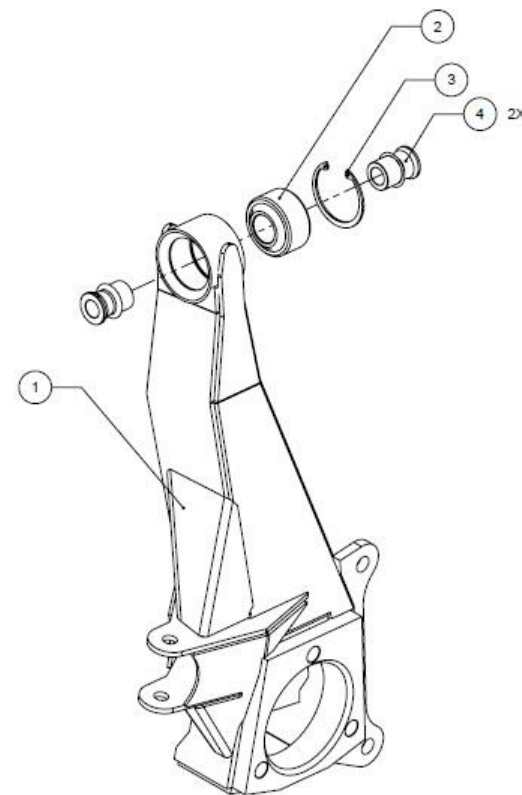
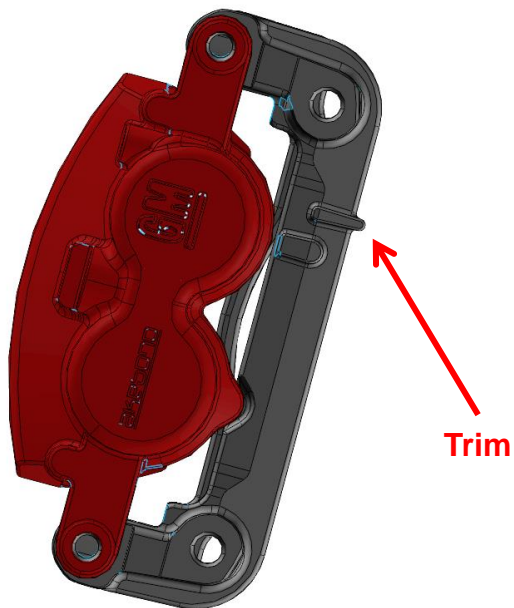
7. Install the preassembled LCA, UCA, and upright onto the truck
  - Weld LCA frame doublers to outside of mount blocks, as close to the center of the vehicle as possible
8. Cycle suspension with all shocks and bumpstops bolted in place (coil spring needs to be removed)
  - Check for collisions
9. If everything clears fine, weld shock box to frame
10. Install coilover and mount reservoirs to frame



## Race Kit

11. Connect the steering clevis to the rack and the tie rod to the upright using the supplied hardware, making sure to clock the clevis vertically
  - Be sure to use red threadlocker on the clevis bolt and torque to 65 ft-lbs
12. Shorten the caliper bolts 1/4" to clear the rotor when fully tightened
13. Trim stock caliper slightly according to picture below (**2WD only**)
14. Shorten stock hub bolts 1/2", then connect hub to upright

**\*\*2WD applications skip to page 7\*\***



## Race Kit

### 15. Disassemble axle (**4WD only**)

- Remove boot, then remove inner C clip to separate axle from CV joints
- Remove roller retaining clip
- Install rollers onto Baja Kits supplied axle and install into CV, add grease (as needed)

### 16. Install axle using red threadlocker & torque to 60ft lbs ----10.5X1.5 bolts as seen in photo below

### 17. Disconnect upright from UCA and fit axle into hub block

- Tighten axle nut to manufacturer specifications

### 18. Cycle suspension with axle in place to make sure there is no binding of CV joints

- Droop the suspension. Have a second person slowly compress the suspension while trying to plunge the axle. When the axle begins to plunge freely, this is the absolute maximum droop allowed. Set the limit strap so that when it is stretched 1" over it's unused length, the suspension will sit at this point.

Inner C clamp



Roller retaining clip



Step 16



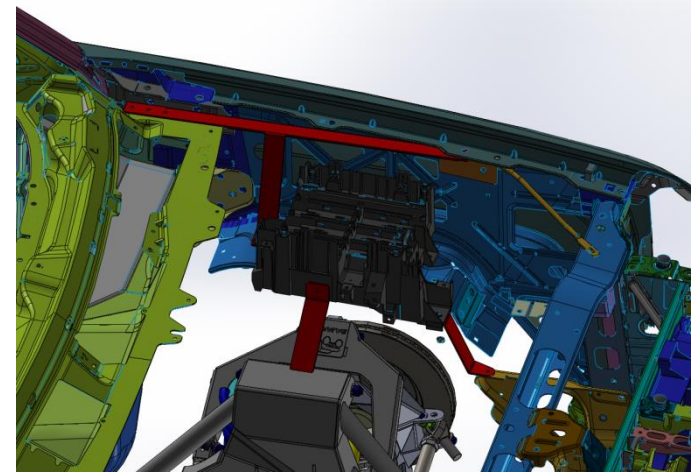
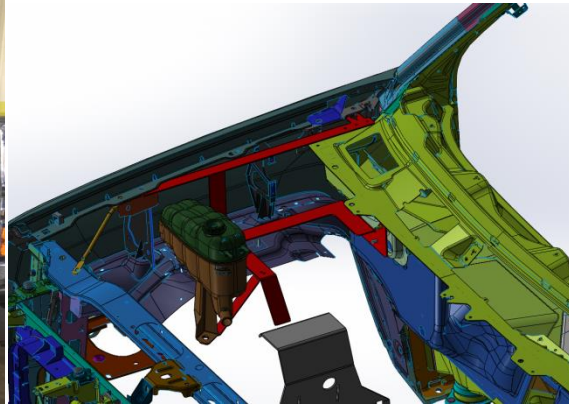


## Race Kit

19. Engine bay relocation kit (**4WD only**)
  - Trimming of stock fender support (items below) will be needed for maximum travel (see photos)
  - Using supplied relocation brackets, move battery, coolant reservoir, and fuse box
  - Windshield fluid tank will also need to be moved up 3" to clear tire
20. Cycle the suspension to full bump and weld bump stop cans into place so that the bump stop reaches its maximum compression when at full bump (when the shocks are fully compressed)
21. Paint all raw steel components with a rust preventative paint
22. Connect brake line and route using the brake line tabs on the upright and UCA



PASSENGER SIDE SHOWN



DRIVER SIDE SHOWN



## Race Kit

23. Torque all bolts to manufacturer specifications using red threadlocker
24. Dealerships and professional shops will certainly be able to align prerunner and chase kits, but it is likely that they will not align a race kit.
  - If this is the case, the procedure laid out in the BajaKits “General Maintenance Manual” can be used to set alignment
25. Check and torque all bolts after the first 500 miles
26. Follow the BajaKits “General Maintenance Manual” for the lifetime of the truck
  - This will ensure that all the suspension components will perform better and last longer



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

Rev	Description	Date	Initial
-	Initial Release	8/11/2017	JOS