



GENERAL AXLE REBUILD MANUAL

Vehicle: 2015+ Chevy Colorado
2004+ Ford F150
2005+ Toyota Tacoma

****NOTE:** This installation is not easy and can be a lengthy process if you have no previous experience with OEM axle swaps. This rebuild should not be done if you do not possess the proper know-how and tools. It is advised that a professional install shop or dealership handle this procedure. Please read through the full manual before deciding whether to attempt this installation. There are multiple methods to swapping axles. This is one of them.

Axle Rebuild

Tool List:

- Socket/wrench (for removing axle from vehicle)
- Snap ring pliers
- Round tubing (size varies depending on vehicle)
- Metal snips
- Flathead screwdriver
- Needle nose pliers
- Extra CV grease (manufacturer recommended)

1. Start by familiarizing yourself with the diagrams below and the common terminology associated with CV axles

Inner CV

CV boot



Outer CV

CV Star

Cage



CV Ball

Axle Rebuild

2. Remove the inner CV boot from the inner CV
 - Loosen both metal clamps
 - Pull boot back off of inner CV
3. Remove the inner CV c-clip using some needle nose pliers
4. Pull the star, cage, and ball bearings out of the inner CV
 - ****Do NOT clean off the grease on the components of the CV joint (star, cage, ball bearings, inner CV surface)****
5. Remove the snap ring from the end of the axle so that the star, cage, and ball bearing assembly may be removed from the shaft (keep this snap ring, as it will be reused)

Step 5

Step 3



NOTE: The Toyota inner CV star will look something like this. This is called a tripod joint. The procedure will be the same.

Axle Rebuild

6. Pull inner CV boot off of axle
7. Loosen metal clamp on outer CV boot and remove the boot from the axle
8. Find a piece of steel tubing the will slip over the axle, sit on the outer CV star surface, and be long enough to extend past the full length of the axle
9. Slip tube over the axle and hit the end of the tube on a solid surface (concrete pad shown in photos below)
 - ****This step can be VERY challenging and may take 1 or dozens of attempts. This is NORMAL****
10. The outer CV and the axle should now be separated

Step 8



Step 9



Axle Rebuild

11. Insert the new axle into the outer CV
 - Make sure to add grease to the CV if needed
12. Install the outer CV boot with the metal clamps provided (**see next page for Toyota instructions**)
13. Slide the inner CV boot onto the axle
14. Install the inner CV star, cage, and ball bearing assembly (this includes the snap ring on the end of the axle)
 - Make sure CV is greased
15. Install the star, cage, and ball bearing assembly into the inner CV (this includes the c-clip on the inner CV)
16. Install the inner CV boot with the metal clamps provided
17. The axle is now ready to be reinstalled in the vehicle

Step 14



Step 15



Step 15



Axle Rebuild

NOTE: When installing the Toyota Tacoma/FJ/4-Runner metal clamps on the outer CV boot, a special metal crimping tool will be required. The Toyota outer CV boot requires a standard OE low profile clamp rather than the hose clamps that are provided with all of our other CV axle rebuild kits. This is due to the close proximity of the outer CV to the stock Toyota spindle. See pictures below

Typical hose clamp



OE crimp style clamp needed for Toyota CV's



FOR ANY TECHNICAL QUESTIONS OR
SUPPORT, PLEASE CONTACT BAJA KITS AT
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-	Initial Release	5/23/2017	JOS

