

Carli Suspension – Installation Instructions CS-FFRA-2.5 & CS-FFRA-4.5

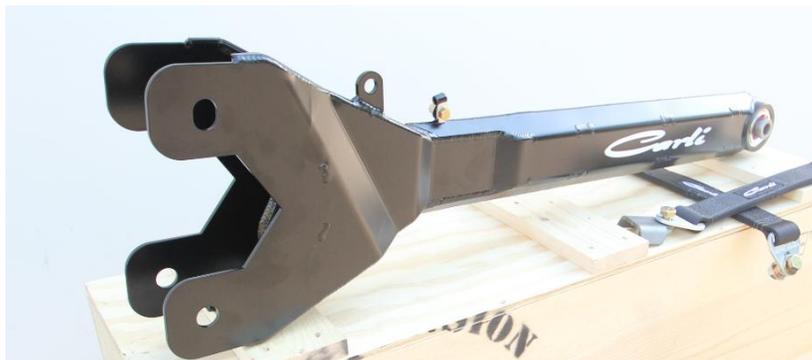
Please Visit:

Forums.CarliSuspension.com

Troubleshooting advice or to download an electronic copy of this document.

Notes:

- Work on one side at a time.
- DO NOT REMOVE BOTH RADIUS ARMS AT THE SAME TIME.
- We recommend installation by a professional.
- Read carefully before attempting installation.
- Properly block vehicle prior to installation.



Installation Instructions

- 1. If being installed on a Carli 2.5" system:** use a Breaker Bar to break the factory radius arm bolts loose while the truck is at ride height on the ground.
If being installed on a Carli 4.5" system: refer to the system's installation instructions for installation of the Radius Arm Drop Brackets. **Radius arm drop brackets must be installed prior to installing the Carli Radius Arms.** Use a Breaker Bar to loosen the upper and lower axle bolts.
2. Raise truck slightly to unload the radius arm bushings.
Note: Tires should still be on the ground
3. Chock the front and rear of the driver's side tire to ensure it doesn't move during radius arm removal/installation.
4. Support the truck at the frame with appropriate jack-stands and remove the jack.
5. Disconnect factory vacuum line from the Driver's side radius arm and remove the ABS line from the bracket on the arm.
6. Remove the factory bolts and nuts of the Driver's side radius arm - noting which side the nut is on. **This is very important for re-installation!**
Note: The upper Driver's side nut is affixed to the factory arm and cannot be removed. We provide a nut to replace this with the radius arm kit.
7. Once the two nuts and three bolts have been removed, remove the factory radius arm.
8. Install the Carli Radius arm over the axle bushings.
9. Secure the upper and lower front bushing hand tight. Again, the Upper will use the nut provided with the kit.
10. **If being installed on a Carli 2.5" system:** Secure the rear joint to the frame mount and thread the nut on hand-tight.
If being installed on a Carli 4.5" system: Secure the rear joint to the lower mount on the installed radius arm drop bracket.
Note: With the front, upper and lower, mounting points secured, a slight adjustment to align the rear bolt hole may be necessary given the additional caster built into the arms. We recommend removing the appropriate wheel chock from the front tire and applying gradual pressure to the arm either up or down to align the rear mounting hole.
11. Torque the Upper, lower and rear assemblies to 222ft.lbs.
Note: The rear Johnny Joint of the Carli Arms allows them to be torqued anywhere throughout the travel stroke as the bushings do not "load" like the factory units.
12. Reattach the ABS line to the Driver's side arm using the supplied, insulated P-Clamp and hardware. The Vacuum line will hang freely. Securing it to the new radius arm will cause damage to the vacuum line during droop travel.
13. Repeat the process on the Passenger's side noting the following differences:
Note 1: Install with all factory hardware as no nuts are attached to the factory-passenger side arm.
Note 2: No vacuum line on the passenger side.
14. Follow the Instructions in the Limit Strap Box (CS-FLSK-2.5 or CS FLSK-4.5) to complete installation.