

Corvette C6 Rear Grip Kit

*Always use certified licensed technician/s for installation

Introduction:

- This kit will fit Corvette C6
- Enhance your C6's rear suspension performance with our grip kit. This kit is designed for precision, improving the camber curve, roll center, anti-squat geometry, and toe control for a more efficient and controlled driving experience. It allows for optimal tire utilization, ensuring you get the most from your chosen tires in any drifting scenario. The installation of our grip kit aims to fully realize the C6's capabilities, offering a significant advantage in competitive drifting by fine-tuning the vehicle's handling characteristics.
- Tools and equipment required for installation:
Floor Jack, Jack Stands, Wrenches, Sockets, Plier, Torque Wrench, Thread Locker

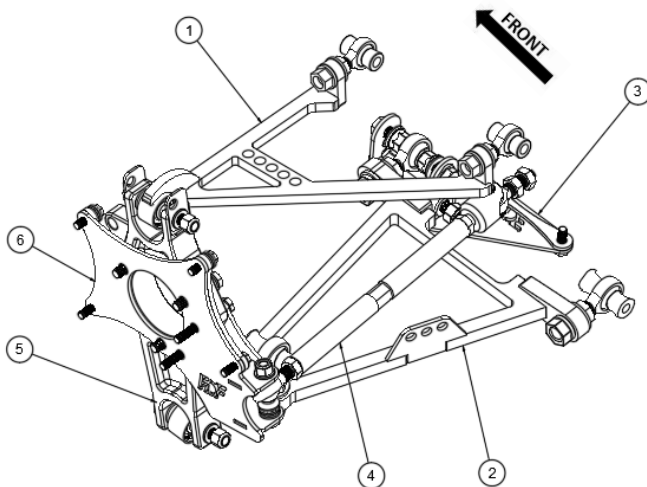
Step 1: Preparation

- Ensure the car is parked on a level surface and the wheels are chocked to prevent accidental movement during installation.
- Safety First - Disconnect the negative terminal of the battery to avoid any electrical accidents while working on the car. In addition to chocking the wheels and disconnecting the battery, it is essential to wear appropriate safety gear and clothing, including closed-toe shoes, long sleeves and safety glasses.
- Lift the car using a jack or Hoist making sure to position it securely under the recommended lifting points. Then, place the jack stands for additional support before beginning any work.

Step 2: Rear Suspension removal

- Remove the wheels, brakes, and any components obstructing access to the rear suspension.
- Unbolt the factory suspension components, such as toe arms and control arms. Be cautious not to damage any surrounding parts during this process.
- Once the factory components are removed, the stock knuckle should be taken out to make way for the new grip kit.

Step 3: Grip Kit Installation

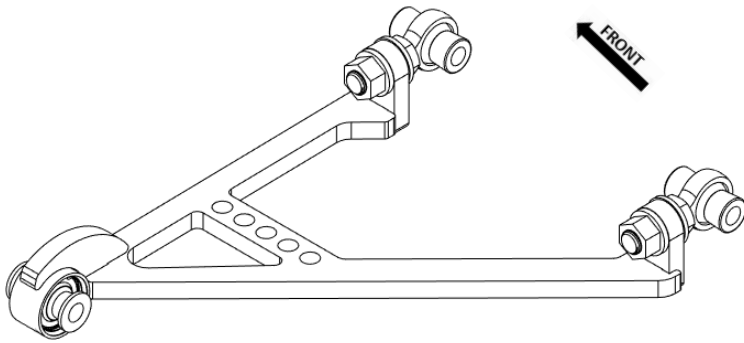


Fully assembled view of FDF Rear Grip Kit for Corvette C6 is shown for the left-hand side of the car.

1. LH side Upper Control Arm sub-assy
2. LH side Lower Control Arm sub-assy
3. LH side Anti Squat Bracket sub-assy
4. Toe arm sub-assy (Common for LH & RH side)
5. LH side Knuckle sub-assy
6. LH side Dual Caliper Bracket sub-assy



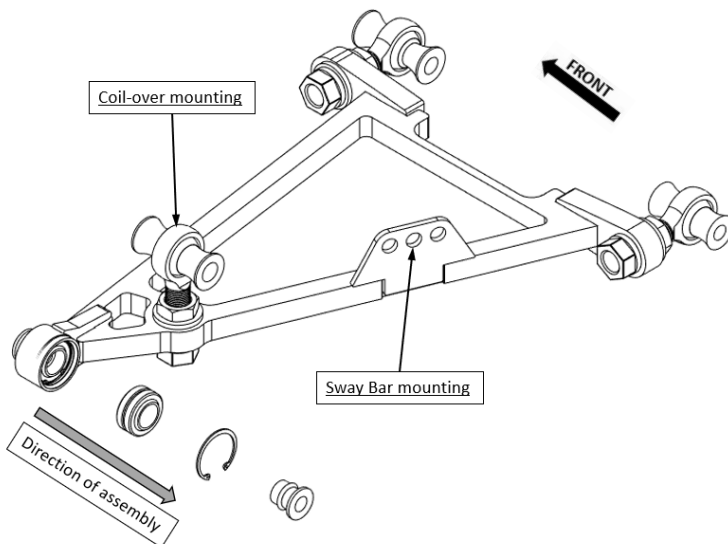
Installing the Upper Control Arms



FDF Rear Upper Control arms for Corvette C6 are different for Left-hand and Right-hand side of the car. The Upper Control arm shown in the image is for Left-hand side of the car.

- The Spacers will be zip-tied to the Heim Joints / bearings before shipping. Make sure to assemble the spacers in the car in the same way they are shipped.
- Make sure all bolts are torqued properly.

Installing the Lower Control Arm

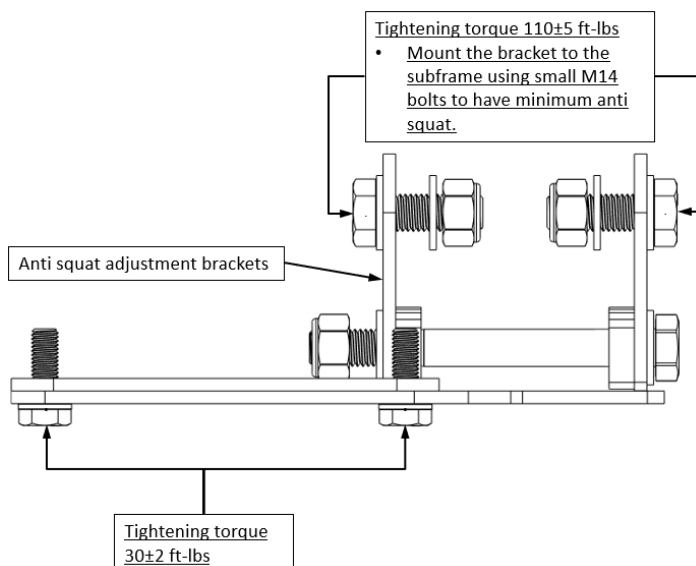


FDF Rear Lower Control arms for Corvette C6 are different for Left-hand and Right-hand side of the car. The Lower Control arm shown in the image is for Left-hand side of the car.

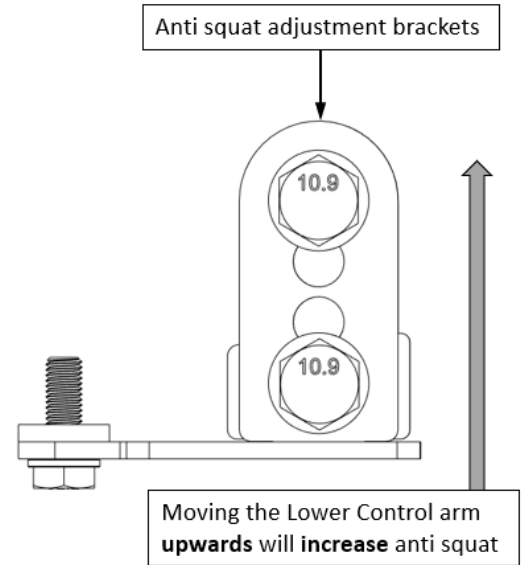
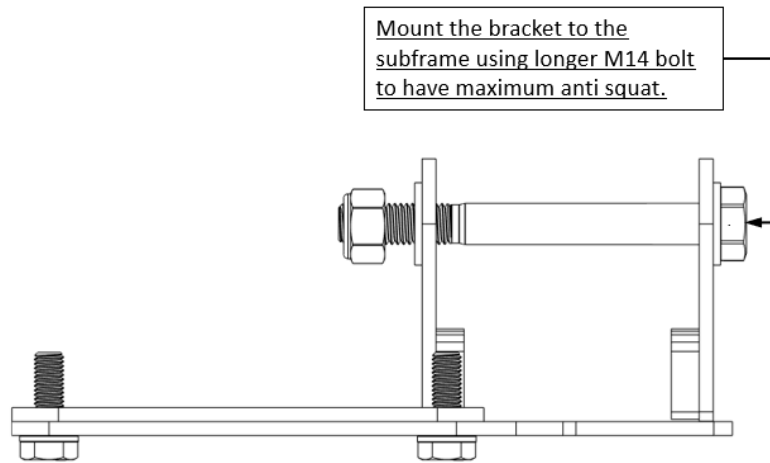
- The Spacers will be zip-tied to the Heim Joints / bearings before shipping. Make sure to assemble the spacers in the car in the same way they are shipped.
- Make sure all the bolts are torqued properly.

Double check that the snap ring is assembled from the rear side of the lower control arm

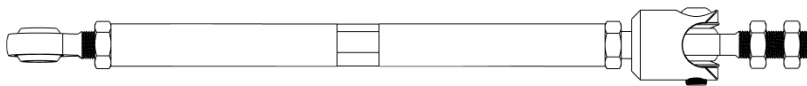
Installing the Anti Squat Bracket



FDF Anti Squat brackets for Corvette C6 are different for Left-hand and Right-hand side of the car. The bracket shown in the image is for Left-hand side of the car

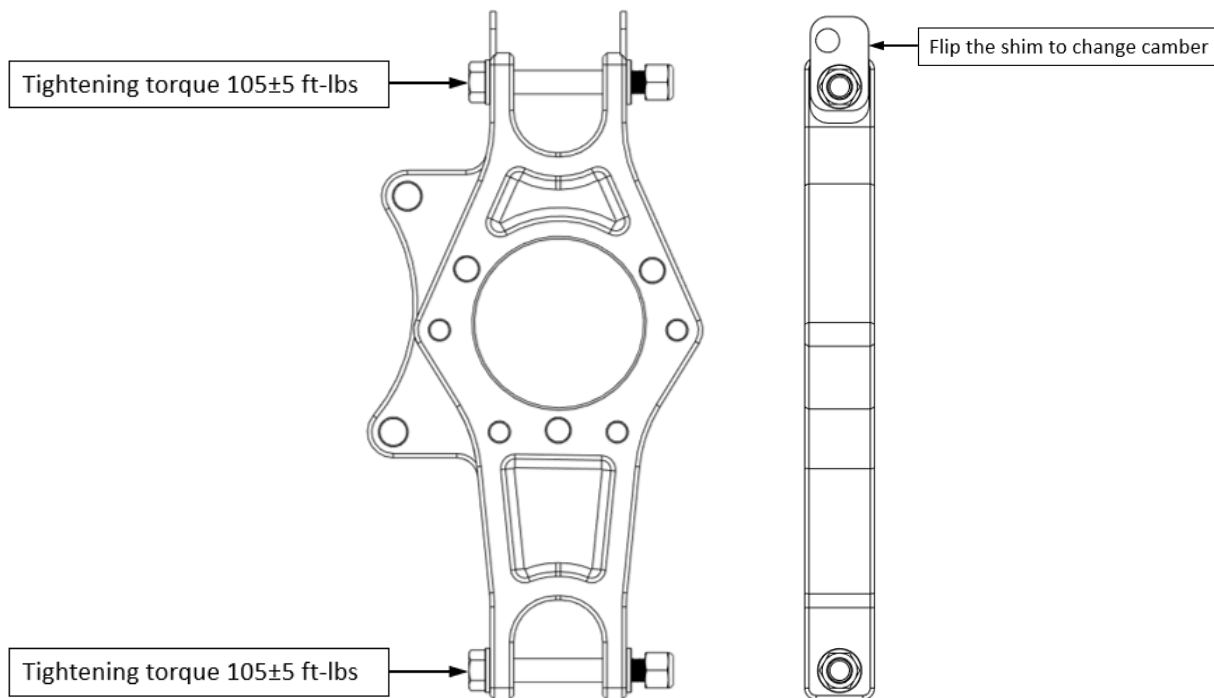


Installing the Toe arm



FDF Toe arm sub-assy. for Corvette C6 is common for Left-hand and Right-hand side of the car.

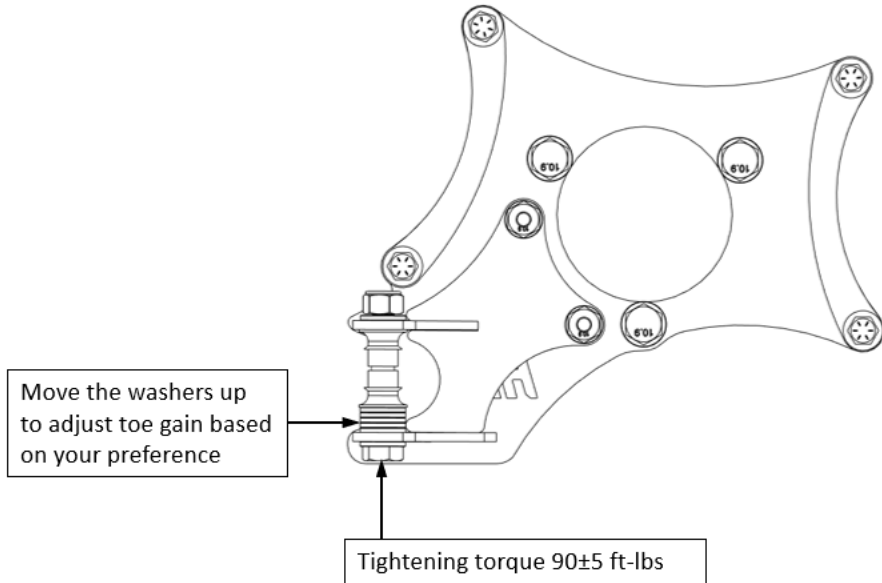
Installing the Knuckle



FDF Billet Knuckles for Corvette C6 are different for Left-hand and Right-hand side of the car. The knuckle shown in the image is for Left-hand side of the car

- Make sure all the bolts are torqued properly.

Installing the Dual caliper bracket



FDF Rear Dual Caliper brackets for Corvette C6 are different for Left-hand and Right-hand side of the car. The bracket shown in the image is for Left-hand side of the car. We also have the option for Single caliper bracket to use OEM foot brake and aftermarket hand-brake.

- Make sure all the bolts are torqued properly.

Step 4: Reassembly

- Double-check all connections and fastenings for any loose or improperly secured components.
- Pay attention to every bolt and nut to prevent any potential issues during drifting.
- Reinstall the wheels and brakes.
- Lower the car back to the ground.

Step 5: Alignment and Adjustment

Recommended Alignment Specifications: -

- Camber 0° to -1°
- Toe & wheel size based on individual preference

These are only the recommended alignment specs. You can set up based upon individual preference.

- Do not exceed the Heim joint adjustments. Each Heim joint should have a minimum of 1 to 1.5 times the diameter of the Heim joint. (For Example: a 3/4" Heim joint needs to have approx. 3/4" to 1 1/8" thread engagement inside the arm, this is 12-18 threads)
- After installing the grip kit, it is crucial to get a professional alignment at a specialized shop that understands drifting setups. They will align the car to optimal angles for drifting and ensure the best possible handling and response.
- Additionally, adjustments to the grip kit components might be necessary to fine-tune the car's steering and suspension to your preferred drifting style. Make these adjustments as needed while considering safety and performance.

Step 6: Test Drive

- Before fully utilizing the drift car, take it for a test drive in a safe area to assess how it responds to the grip kit installation. Pay attention to any issues, unusual noises, or handling quirks that may require further adjustments.
- Take notes of any issues and adjustments needed during the test drive. Address these concerns before engaging in more aggressive drifting maneuvers.

Conclusion:

Recap the installation process and emphasize the importance of professional alignment after installing an grip kit. Always remember to prioritize safety during any car modifications and always use certified licensed technician for your installations. Bolt check regularly, recommendation is before each racing event.

Thank you for choosing FDF grip kit to enhance your drifting experience.

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