



# Giant Reign 2 Hydraulic Brake Fluid Replacement

This guide will demonstrate how to adjust the brakes by installing hydraulic brake fluid.

Written By: Sterling Grande



## INTRODUCTION

This guide will walk through the process of adjusting the hydraulic breaks on a bicycle by means of adding hydraulic fluid to the system. Properly done, this process will increase the responsiveness of your brakes, shortening the amount of time required to bring your bicycle to a stop.

### TOOLS:

- [Hydraulic Brake Syringes](#) (1)
- [2.5 mm Flathead Screwdriver](#) (1)
- [T6 Torx Screwdriver](#) (1)

### PARTS:

- [Dot-4 Hydraulic Brake Fluid](#) (1)

## Step 1 — Hydraulic Brake Fluid



- Pull out and rotate the quick release lever until the axle is loose.
  - Pull back on the derailleur on the left hand side. This lessens the force required to remove the wheel from its mount greatly.
  - Lift the bike, and pull the wheel from its mount.
- i** It is possible that your wheel does not have a quick release tab. In this case, use a wrench to loosen the retaining bolt. This wrench size varies between wheels.

## Step 2



- Use a flat head screwdriver to push out on the brake pads in order to space the hydraulic pistons.
- i** Your hydraulic pistons will be fully extended at the end of travel of the brake pads.

### Step 3



- Slide the cover off of the hydraulic port until it is fully exposed.
- Use a torque head bit to remove the screw on the hydraulic port of the brake handle. Be careful to not lose this screw.

### Step 4



- Use a torque spit to remove the indicated screw on the rear brake caliper.

## Step 5



- Fill your syringe with hydraulic fluid.
- Clear air out of the syringe by holding it upright, flicking on it with your finger, and pushing on the stopper until hydraulic fluid starts to come out.

## Step 6



- Screw the full syringe into the port on the caliper at the rear of the bike shown in the first photo.
- Screw an empty syringe into the port at the front at the brake lever shown on the second photo. Fully depress this syringe before attaching it to the hydraulic system.

## Step 7



- Push the stopper down on the loaded syringe until it is almost empty.
- ⓘ Do not empty the bottom syringe completely, as this will cause air to be injected into the brake lines, causing malfunctions once you try to use your bike.
- ⓘ The empty syringe will fill with the excess hydraulic fluid.
- ⚠ Always push the fluid through the system starting from the lowest point. In this case it is the rear brakes.

## Step 8



- Remove the back syringe first. Depress the top syringe a little bit so that hydraulic fluid almost starts to flow out of the open hole. Then, replace the screw.
- Once the first screw is replaced, remove the top syringe and replace that screw shown in the 2nd image.

To reassemble your device, Replace the cover on the hydraulic port and reinstall the wheel with the calipers still in their widened position. Make sure that all screws over on the hydraulic ports are very secure. Once the wheel is installed, pump the brakes a few times to seat the brake pads. Confirm function of your brakes before attempting to ride the bike by inverting the bike so that it rests on the handlebars and seat, then spinning the rear and front wheels manually. If this does not work, you may need to add more fluid. Ride safe!