



BRC510 / BRF310

Brake Lever Install / Fitment Guide v.240517



WARNING! Improperly installed brake levers could result in serious injury. ASV Inventions highly recommends that this lever be installed by a qualified and skilled individual with the recommended tools listed below. ASV Inventions INC. accepts no liability for failures or malfunctions due to improper installation. If you determine that something is wrong during installation, **DO NOT RIDE THE MOTORCYCLE**. Refer to the troubleshooting guide below or contact ASV INVENTIONS for help. Install at your own risk!

This part is designed to fit the stock brake master cylinder on the following motorcycles. Please confirm before attempting installation.

HONDA	YEAR
CBR 600RR	03-06
CBR 929RR	00-01
CBR 954RR	02-03
RC 51 / RVT 1000SP-1	00-06
VFR 1200F / X	10-17

TOOLS NEEDED

- 10mm wrench
- Flathead screwdriver

1: UNINSTALL THE OEM BRAKE LEVER

Use a 10mm wrench and a flathead screwdriver to remove the main pivot bolt holding the stock lever in the master cylinder. Once loose, remove the stock lever.



2: VFR TAB ASSEMBLY

For the Honda VFR 1200F, make sure your lever has the brake light tab already installed. If not, use a small screwdriver to install the tab onto the ASV lever. For all other bikes, no tab is needed.

3: INSTALLING THE ASV LEVER

3a) Place the lever onto the master cylinder and install the main pivot bolt. Do not overtighten as that could cause the lever to stick.

NOTE! Some stock brake levers push in the master cylinder piston when installed. The ASV lever should push in the master cylinder piston the same amount or slightly less. If the ASV lever is much harder to install compared to stock, you may have the wrong lever.



4: TESTING THE BRAKE LIGHTS

With the bike in neutral, turn on your bike's lights. Apply the ASV brake lever several times. With each pull, there should be a "clicking" sound from the lever and the brake lights should flash.

5: TESTING THE BRAKES

With the bike in neutral, move the bike forward and back while pulling the ASV brake lever several times. With each pull, the bike should stop firmly, and with each release, the bike should move freely.

6: ADJUSTING THE BRAKE LEVER REACH

Use the reach adjust dials to set the levers to your desired reach. ASV levers have much greater reach adjust than stock and can cause issues if they are adjusted too closely to the handlebar. Be sure to test your settings at slow speeds before riding normally.

Congratulations! If you have any questions, please check our FAQ guide at www.ASVINVENTIONS.com/info

TROUBLESHOOTING

- **ASV lever does not fit into the master cylinder.**
 - Check that the master cylinder on your bike is the same as OEM. On older bikes, it may have been modified or changed.
 - Check that the correct pivot bolt is being used. The pivot bolts for the clutch and brake may have been switched during installation.
 - On the ASV lever, check that the bushing inside the pivot opening is properly seated inside the lever.
 - Check that the brake light tabs are properly mounted on the ASV lever.
 - If the ASV brake lever came with an ASV clutch lever, check that you are installing the ASV brake lever.

- **Brake lights do not “click” or flash when ASV lever is pulled.**
 - a. Check that the ASV lever is activating the brake light switch when pulled.
 - b. Check that the ASV lever has the brake light tab properly mounted.

- **Front brake does not work when ASV lever is pulled.**
 - a. Check that the lever is not adjusted too close to the handlebars. (Step 6)
 - b. Check that the push rod is properly installed. (step 2)
 - c. Reinstall the original lever and see if the issue persists. If so, there may be an issue with the motorcycle’s brake system.

- **Lever has a lot of free play or feels loose**
 - a. Check that the pivot bolt and the nut is securely tightened.
 - b. Check that the correct push rod is properly installed.
 - c. Reinstall the original lever and take note of how much free play it has. The ASV lever should have the same amount of free play or looseness.

- **ASV lever touches the control switches when pulled**
 - a. Check that the lever is not adjusted too close to the handlebars (step 2)
 - b. The master cylinder may have shifted during installation. Loosen the handlebar mounting bolts and adjust the master cylinder until it fits.
 - c. Lever may need a spacer. Spacers are available for free at asvinventions.com

- **ASV lever does not return after being pulled.**
 - a. Loosen the pivot bolt. It may have been overtightened.

- **ASV lever touches handguards**
 - a. Remove the handguards. In some case, the ASV lever double pivot design is not compatible with factory handguards. If the ASV lever contacts the handguards while riding, it may cause brakes to lockup.
 - b. If the handguard contact is due to the protruding nuts and bolts on the ASV lever, contact ASV for low-profile pins.

- **Front wheel does not move freely when ASV lever is released.**
 - a. Check that the correct push rod is properly installed in the master cylinder and that it is properly seated inside the ASV lever (step 2)
 - b. Check that the brake light tab is properly installed on the ASV lever.
 - c. Reinstall the original lever and take note of how much the original lever presses on the master cylinder. If the ASV lever presses any greater on the master cylinder than the original lever, or if the brakes feel like they are being applied even when released, you may be installing the wrong ASV lever for your master cylinder.

- For more troubleshooting options and detailed install videos, visit www.asvinventions.com/installation/

Need help? Contact ASV!

Our techs are available Monday through Friday, 9am to 5pm PST

Phone: **714.861.1400**

Email: info@asvinventions.com

Register your warranty at www.asvinventions.com/support

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