# ASV INVENTIONS BRAKE LEVER INSTALLATION INSTRUCTIONS v.041626

## BEFORE INSTALLATION

**WARNING!** ASV Inventions highly recommends that this lever be installed by qualified motorcycle technician and that the lever is properly tested before riding. ASV Inventions INC. accepts no liability for failures or malfunctions due to improper installation or lack of proper testing. Install at your own risk.

**WARNING!** Some stock brake levers have a slight amount of pre-load when installed. If the ASV lever applies more pre-load than the stock lever, DO NOT INSTALL. Contact ASV support to ensure you have the correct brake lever.

After installation, ensure that the ASV lever does not interfere with any other components such as fairings, switches, mirror mounts, or handguards

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## BRC536-BRF336

**PARTS INCLUDED**
1x ASV Brake Lever

**TOOLS NEEDED**:
1x 10mm socket wrench
1x 4mm Hex wrench
1x Pliers

## FITMENT

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

| HUSQVARNA | YEAR |
|---|---|
| Svartpilen 125 | 2024+ |
| RSvartpilen 200 | 2024+ |
| Svartpilen 250 | 2024+ |
| Svartpilen 401 | 2024+ |
| Vitpilen 125 | 2024+ |
| Vitpilen 200 | 2024+ |
| Vitpilen 250 | 2024+ |
| Vitpilen 401 | 2024+ |

| KTM | YEAR |
|---|---|
| 390 Adventure R / X | 2025+ |
| 390 Duke | 2024+ |
| 390 Enduro R | 2025+ |
| 390 SMC-R | 2025+ |

| ROYAL ENFIELD | YEAR |
|---|---|
| Himalayan 450 | 2024+ |

If you do not see your vehicle listed above, please contact ASV to confirm you have the correct parts.

## 1: UNINSTALL STOCK BRAKE LEVER

Use a 10mm wrench and a 4mm hex wrench to unscrew the main pivot bolt holding the stock lever in the master cylinder.

1b) Remove the lever. Be careful as the OEM push rod may also fall out of the master cylinder.

## 2: REMOVE THE OEM LEVER RETURN

With a pair of pliers, gently remove the OEM spring from the stock lever.

## 3: INSTALL THE OEM SPRING INTO THE ASV LEVER

Insert the spring into the opening on the ASV lever. Make sure it is secure inside the opening.

## 4: INSTALL THE ASV LEVER

Insert the ASV lever into the OEM brake master cylinder. Make sure to align the push rod and the spring when installing.

**WARNING! The ASV lever should push into the master cylinder by the same amount or slightly less than the stock lever. If the ASV lever is much harder to install compared to stock, review the troubleshooting section of this guide.**

## 5: TIGHTENING THE ASV LEVER

Once placed, insert the pivot bolt and tighten. No more than 5lbs of torque.

## 6: INSTALL THE ASV PERCH SPACER

These levers require an additional perch spacer to clear the switch clusters.

ASV Perch Spacer

Install perch spacer in between the brake lever mount and handlebar

## 5: SETUP & TESTING

**5a)** Test the brake lights by pulling on your ASV brake lever. With each pull, there should be a "clicking" sound from the lever and a flash from your brake lights. Make sure the bike's headlights are on

**5b)** Test the brake system by moving the bike forward and back slowly while engaging the ASV brake lever. The bike should stop firmly when the ASV lever is pulled and should move freely when released.

**5c)** Adjust your lever reach using the reach adjust dials. Roll outward for further and roll inward for closer.

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

## 6: COMPLETE

**Congratulations!** Enjoy your freshly ASV equipped motorcycle!
If you have any questions, please refer to our troubleshoot guide (page 3).

**Don't forget to register your warranty!**
https://asvinventions.com/support/

## 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 clutch or brake pivot bolt 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 correct brake light tabs are installed 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.**
- Check that the correct brake light tab on the ASV lever is properly installed on the ASV lever.

**Front brake does not work when ASV lever is pulled.**
- Check that the lever is not adjusted too closely to the handlebars.
- Check that the push rod is properly installed. (step 2)
- 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**
- Check that the pivot bolt and the nut is securely tightened.
- Compare the stock pivot bolt with the ASV pivot opening. They should be snug.
- Check that the correct push rod is properly installed.
- 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.

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

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

**ASV lever contacts handguards**
- 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.
- 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.**
- Check that the correct push rod is properly installed in the master cylinder and that it is seated inside the ASV lever (step 2)
- Check that the brake light tab is properly installed on the ASV lever.
- Reinstall the original lever and take note of any pre-load that the original lever has when the pivot bolt is being installed. If the ASV lever has more pre-load than the original lever, 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/**

## SUPPORT

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### Need help? Send us pics!

Our techs are available Monday through Friday, 9am to 5pm PST. Please provide as many photos or video of the issue so that we can offer the best assistance.

**Phone: 714.861.1400** **Text Photos: 714.861.9469**
**email: techsupport@asvinventions.com**

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