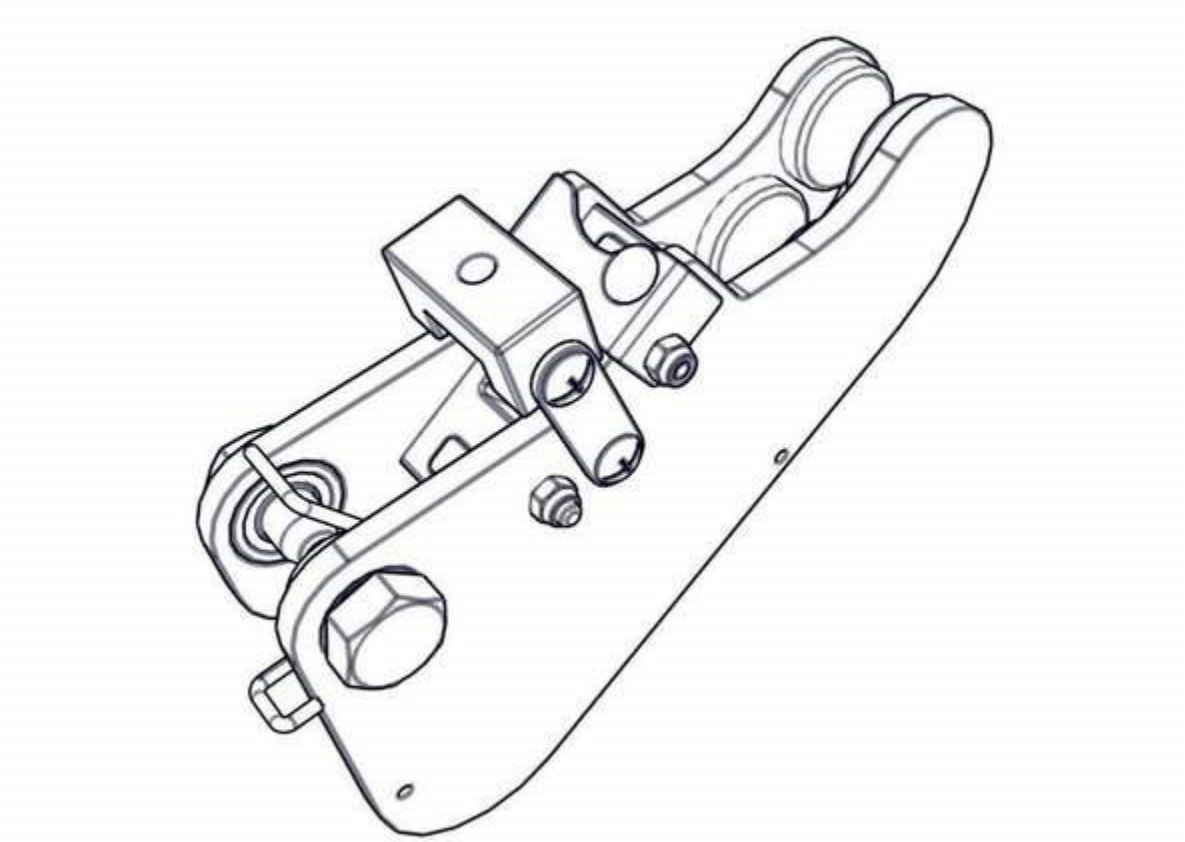
Magnetic Braking Replacement



Difficulty	Moderate
Steps	10
Time Required	15 - 20 minutes

Introduction

This guide is for repair/replacement of the magnetic braking/resistance system on the V1 Bike.

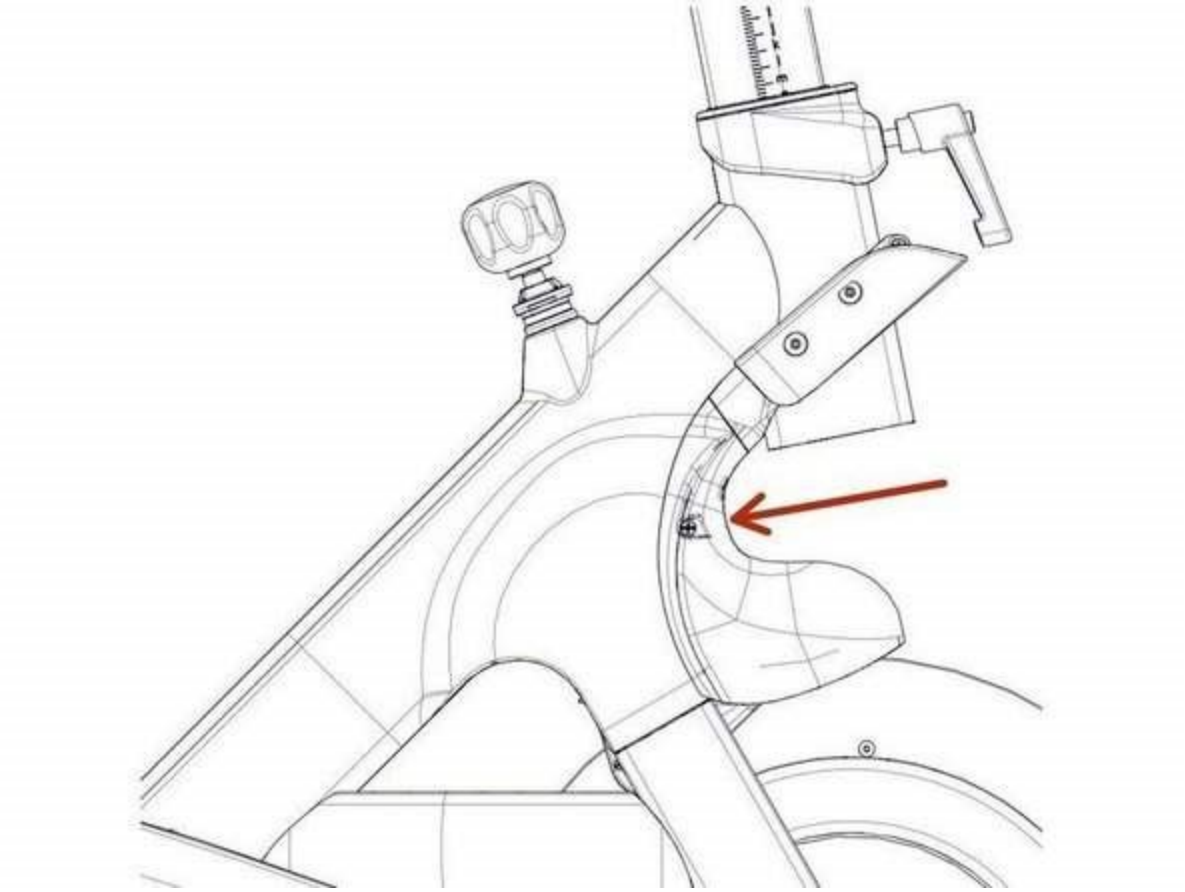
Tools

- Phillips head screwdriver
- 17 mm Combination Wrench
- 4 mm Allen Wrench
- 5 mm Allen Wrench

Step 1 - Power Down the Bike

- Hold down the power button at the top of the touchscreen for about two seconds. Shut down the bike when prompted.
- Unplug the power cord from the back of the rear stabilizer.

Step 2 - Remove the Front Protection Guard



Remove according to replacement SOP to view the brake/resistance assembly.

Step 3 - Disassembly of Surrounding Components

Remove the front belt guard according to the. Use care to remove the plastic rivet.

- Remove the outer belt guard and belt according to the replacement SOP.
- Remove the cadence sensor and safely tie off on the side according to SOP.

Remove the flywheel according to SOP

Step 4 - Disassembly of Brake Components

Use a Phillips head screwdriver to remove the top set of screws on the black braces connecting to the magnetic brake assembly.

Remove the bushings and safely set aside. These can be reused. If the black brace is bent, replace it.

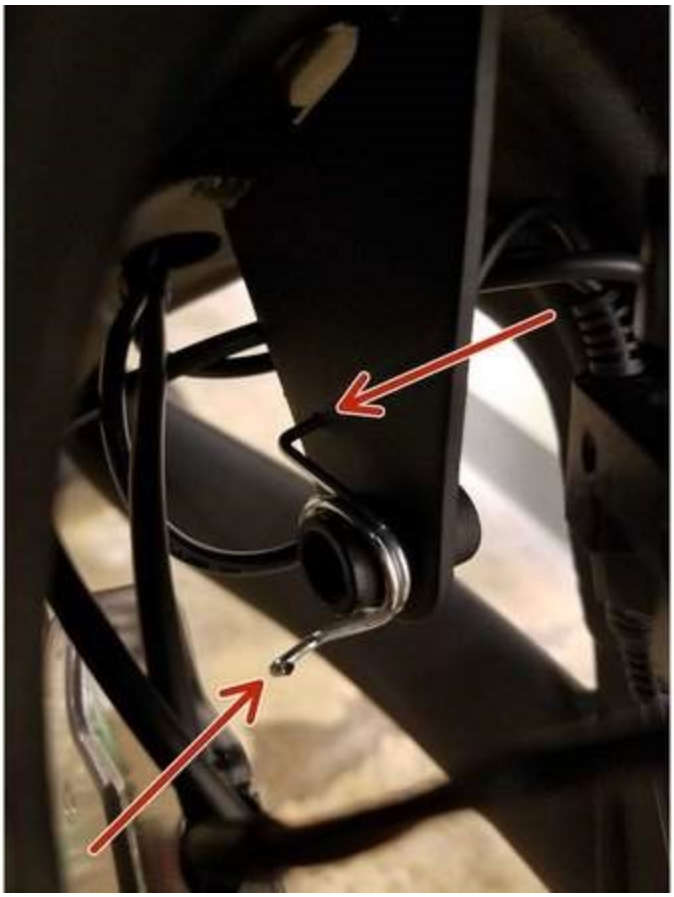
Step 5 - Detach the Sensor Assembly

Use the Phillips head screwdriver to remove the two bolts holding the sensor assembly in place. Detach the assembly.

Step 6 - Remove the Magnetic Braking Assembly

- Using the box end of a 17mm wrench, remove the two bolts at the back of the magnetic braking assembly.

- Remove the magnetic braking assembly from the bracket.
- **Note the positioning of the spring on the left side of the magnetic braking assembly bracket. This is important for reassembly.**



Step 7 - Attach the New Resistance Assembly

- Fit the resistance assembly properly in place on the bracket (the back left side pushing on the spring).
- Fit the left bolt in place and begin hand tightening. Finish the tightening with the box end of a 17mm wrench. Then tighten the right side bolt (with washer)

Step 8 - Install the Sensor Assembly

- Place the flat side of the sensor assembly against the right side of the magnetic brake. Line up the two holes in the sensor assembly with the two holes in the magnetic brake.
- Secure the sensor assembly using the Phillips head screwdriver and the two bolts.

Step 9 - Re-attach Brackets to the Horse Shoe

- Re-attach black braces that join the horse shoe to the magnetic brake assembly.
- **Be sure to install the brass bushings between the black brace and the horse shoe.**

Step 10 - Calibration and Assembly

- Before fully reassembling, calibrate the bike to check for any issues and ensure that brake system functions properly.
- Install the flywheel, belt, outer belt guard, front belt guard and front protection guard to complete the replacement process.