# V-Brake Adjustment Guide

## Required Tools
- Allen wrenches
- Philips or flat screwdriver

## Align Brake Pads Parallel to Rim
- Loosen brake pad with 5mm allen wrench.
- Press brake arm and brake pad into the wheel rim.
- Align brake pad parallel to rim.
- Tighten brake pad to brake arm with allen wrench.

## Connect Top of Cable to Lever
- The front brake cable connects to the left brake lever, while the rear brake cable connects to the right brake lever.
- Unthread the adjusting barrel on the brake lever a couple turns.
- Align the slots in the adjusting barrel, the jam nut and the lever.
- Insert the head of the brake cable into the hole in the lever.
- Insert the cable into the slots in the jam nut and adjusting barrel.
- Thread the adjusting barrel all the way into the lever.

## Adjust Lever Reach
- Use a 2mm allen wrench to adjust reach with set screw.
- Ensure lever is well within reach of child’s grasp.
- Ensure there is still enough room to pull lever distance required for effective braking action without interfering with fingers on grips or grips themselves.

## Adjust Cable Tension
- Adjust cable tension to provide effective stopping power.
- To increase cable tension, turn adjusting barrel counter clockwise; to decrease cable tension, turn adjusting barrel clockwise.
- When cable tension properly adjusted, turn jam nut to rest against lever body.
- If additional tension adjustment is required, loosen pinch bolt on brake arm and adjust where bolt pinches cable.

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These instructions are to be used as a guide only. Improperly installed parts may lead to severe injury or death. Spawn Cycles recommends that all bike assembly, tuning and repairs be performed by a qualified bicycle mechanic.
**Balance Brake**

- Use a Philips or flat screwdriver to balance brake adjustment.
- Turning a spring tension adjustment screw clockwise on one arm will pull both arms in that direction.
- In conjunction with adjusting cable tension, adjust spring tension adjustment screws so that each brake pad has 1-2mm clearance from rim.

**Tuck-In Cable**

- Tuck extra cable in behind catch on brake arm.

**Opening and Closing a V-Brake**

- Slide Rubber Bellows to right
- Squeeze Caliper & Pull Noodle Up
- Calipers should spring open