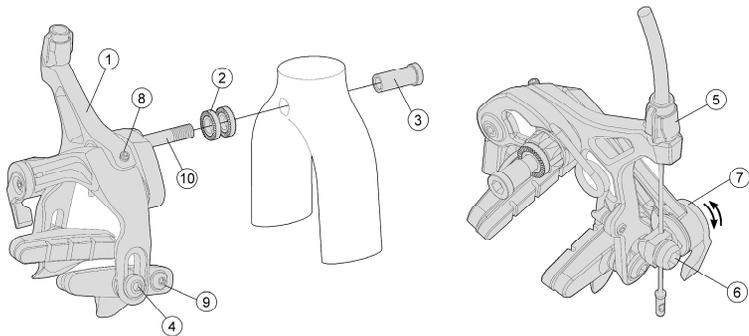


# Brakeset Installation Instructions

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## Components

Follow the assembly order in the illustration:

- |                            |                                      |
|----------------------------|--------------------------------------|
| ① Brake Main Body          | ⑥ M5 Cable Anchor Bolt               |
| ② Spacing Washer x2        | ⑦ Quick Release                      |
| ③ Fixing Nut x1            | ⑧ M4 Fine Adjustment Centering Screw |
| ④ M5 Brake Pad Anchor Bolt | ⑨ Brake Pad Fixing Bolt              |
| ⑤ Barrel Adjuster          | ⑩ Main Pivot Bolt                    |

## Brakeset Installation

- Ensure that the fork and frame brake mounting holes are clean and free of paint, dirt, or metal chips.
- Install 1 spacing washer ② to the Main Pivot Bolt ⑩ and insert Main Pivot Bolt into fork or frame mounting hole. If the brake shoes contact the frame or fork when brake is inserted, remove brake and add the 2<sup>nd</sup> spacing washer for more clearance. Note: Front and rear brakes have different length of main pivot bolts. Use Brake Caliper with long bolt for front (installed on the fork) and caliper with short bolt for rear (installed on frame).
- Hold the Brakeset Main Body ① so the left and right pads are equal distance from rim. With Brake Main Body centered, tighten the fixing nut ③ to a torque of 80-100 kgf.cm / 8-10 Nm / 70-90 in.lbs.
- Loosen the M5 brake pad adjustment bolt ④ and adjust the brake pad to match the profile of the rim braking surface. Ensure that pad contact with rim braking surface is flat or "toed in" slightly to reduce noise and chatter. Make sure pad does not contact tire through entire movement of braking action (open to closed on rim). Tighten the M5 brake pad adjustment screw ④ to 50-70 kgf.cm / 5-7 Nm / 45-62 in.lbs.
- After cutting brake cable housing to appropriate length (not included) insert brake cable housing in barrel adjuster ⑤. Feed brake cable inner wire (not included) through brake lever and housing, then ensure the cable is seated between the two plates located on the M5 cable anchor bolt ⑥. While maintaining proper cable tension, and with quick release in "closed" position (flipped down), tighten the Cable Anchor Bolt to a torque of 60-80 kgf.cm / 6-8 Nm / 53-70 in.lbs. Cut excess cable inner wire and cap with brake cable end. Note: With proper cable tension and brake pad adjustment, the recommended brake pad clearance is 1-3mm from rim.
- The M4 Fine Adjustment Centering Screw ⑧ can make small adjustments to center the brake pads equidistance from the rim. Never adjust Fine Adjustment screw all the way tightened or all the way loosened from the main body otherwise spring tension and braking performance may be compromised. If more adjustment is required, it is necessary to loosen the Fixing Nut ③ and repeat step 3 and re-center Brakeset Main Body before proceeding.

Adjustment: Turn the barrel adjuster ⑤ counter-clockwise for lower cable tension: moves pads away from rim for looser braking feel. Turn the barrel adjuster ⑤ clockwise for higher cable tension: moves pads closer to rim for tighter braking feel.

Brake Pad Removal: Flip Quick Release ⑦ up in "open" position to release tension on brake cable and increase the clearance of brake pads and the rim. Loosen the M5 brake pad adjustment bolt ④ to remove brake pad from Brake Main Body. Loosen the brake pad fixing bolt ⑨ and slide brake pad out of brake pad holder. Installation is reverse procedure of Pad Removal. Note: Brake Model BK-RO-6020 does not have the brake pad fixing bolt ⑨ for pad removal, but requires complete brake pad replacement when worn.

## Introduction

Congratulations on your Full Speed Ahead product. Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to bicycle; or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician. FSA & Vision assumes no responsibility for damages or injury related to improperly installed components

## Warranty

Full Speed Ahead (FSA) warrants all FSA, Gravity, Vision, Metropolis and RPM products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website:

<http://www.fullspeedahead.com/techdoc>

**⚠ WARNING** Always check brake lever and braking action before every ride. Inspect brake cable for wear, corrosion, and fraying of the cable. If braking action does not feel adequate, or cable wear, corrosion, or fraying is apparent; discontinue use of the bicycle until a new cable has been installed and brake has been adjusted properly by an experienced mechanic. Check brake pads for wear before each ride. Replace brake pads before wear reaches wear indicator line.

**⚠ WARNING** Do NOT use shifter cable in place of proper brake cable! Loss of braking may result causing accident and possible injury.

## Specification

Item Number / Model Name	BK-RO-8200 / K-Force Brakeset
Item Number / Model Name	BK-RO-8681 / SL-K Brakeset
Item Number / Model Name	BK-RO-8080 / Energy Brakeset
Item Number / Model Name	BK-RO-6020 & BK-RO-6021 / Gossamer Brakeset



## Contact

If you have questions, please visit our web site technical section: <http://www.fullspeedahead.com/contact> or contact:

Full Speed Ahead, USA  
12212 Cyrus Way Mukilteo, WA 98275-5702  
Tel: 1\_425\_488\_8653 Fax: 1\_425\_489\_1082

Full Speed Ahead, Europe  
Via Del Lavoro, 56 20874 Busnago, Milan, Italy  
Tel: +39\_039\_688\_5265 Fax: +39\_039\_682\_3336

TH INDUSTRIES / FSA Asia  
NO.6, Wu-gong 8th Rd., Wufeng Dist., Taichung City 41353, Taiwan (R.O.C.)  
Tel: +886\_4\_2331\_9134 Fax: +886\_4\_2331\_9314