

# KNEAL KNEE CRUISER BRAKING ADJUSTMENT

## **(A) Upper Barrel Adjuster**

This adjustment removes or adds slack to the upper cable. This cable starts at the brake lever and ends at the doubling device (B). Its primary function is to remove slack in the brake levers. Adjusting these will not remedy brake pull issues.



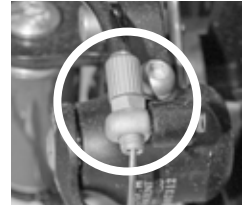
## **(B) Doubling Device**

This device couples the two brake cables together causing both brakes to activate when either lever is pulled. Adjustments inside this device are rarely needed. A tutorial video will be posted on YOUTUBE in the near future.



## **(C) Lower Barrel Adjuster**

This adjuster is primarily used to remove slack in the lower brake cables between the doubling device (B) and the brake caliper. Unless it is necessary, do not use this adjuster.



## **(D) Inner Brake Pad Adjustment**

This adjuster is primarily used to move the inner brake pad in and out. This adjustment will handle most braking problems. Insert the 3mm allen wrench (included with the scooter), into the hole in the caliper. Turn the wrench clockwise to move the pad closer and counter-clockwise to move it away from the brake rotor. Make small adjustments, testing the brakes after each change. The most common issue is brake pull. The scooter will pull left or right when the brakes are applied. For example, if the cruiser is pulling to the left, insert the 3mm wrench into the hole on the left wheel, and turn it counter-clockwise 1/8 of a turn and test. Continue making small adjustments until braking is even (no pulling).



## **(E) Outer Brake Pad Adjustment**

This adjuster is primarily used to move the outer brake pad in and out. The outer brake pad is fixed and will not move when the brakes are applied. Make sure that it does not rub when adjusting. Using a 5mm allen wrench (included with the scooter), Insert it into the hole in the caliper (see image right). Turn the wrench clockwise to move the pad closer and counter-clockwise to move it away. Make small adjustments, testing the brakes after each adjustment.



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## Getting the most out of your Kneal Knee Cruiser braking system

The Kneal Knee Cruiser uses a mechanical disc brake system. Essentially, when the cable is pulled by the user's hand, a lever on the brake caliper moves upward. This in turn pushes a pad inward toward the brake rotor (thin steel disc attached to the wheel, see below). The friction between the brake pad and the steel disc or rotor brings the Knee Cruiser to a stop. From time to time adjustment may be necessary. This tutorial provides basic brake adjustment instructions.

**UPPER BARREL ADJUSTER (A)**  
Turn the barrel adjuster counterclockwise to remove cable slack between lever and doubling device (B).

**CABLE DOUBLING DEVICE (B)**

**LOWER BARREL ADJUSTER (C)**

**OUTER BRAKE PAD ADJUSTER 5MM (E)**  
Clockwise moves the outer brake pad closer to brake rotor. Counterclockwise moves it away from the rotor.

**INNER BRAKE PAD ADJUSTER 3MM (D)**  
Clockwise moves inner brake pad closer to brake rotor. Counterclockwise moves it away.

**BRAKE ROTOR**