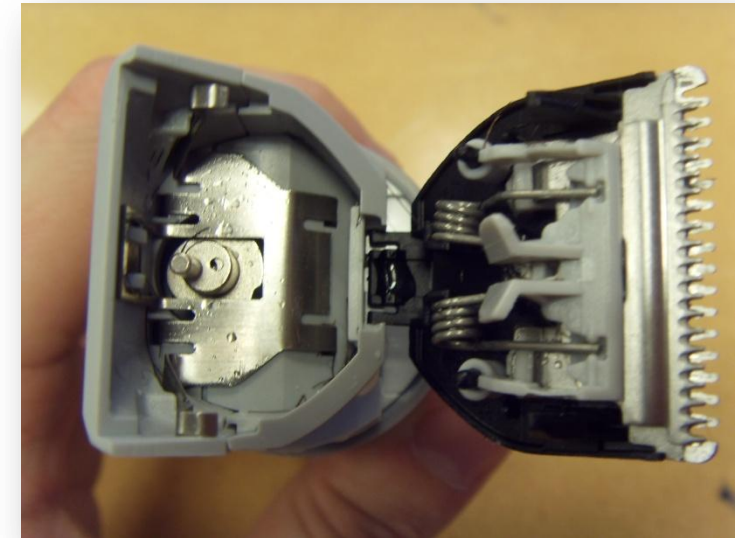


# PHILIPS

sense and simplicity



## Rotary motion to oscillation

In my Philips beard trimmer QT 4020, there is a mechanism that changes rotational movement into oscillating motion. In the diagram below, I describe how this works:

1. When the switch is closed, current flows from the battery, through the circuit, to the motor.
2. The 3V motor rotates a small metal shaft, which in turn rotates a crank.
3. The offset shaft of the crank then moves a triangular groove that makes the razor oscillate.

