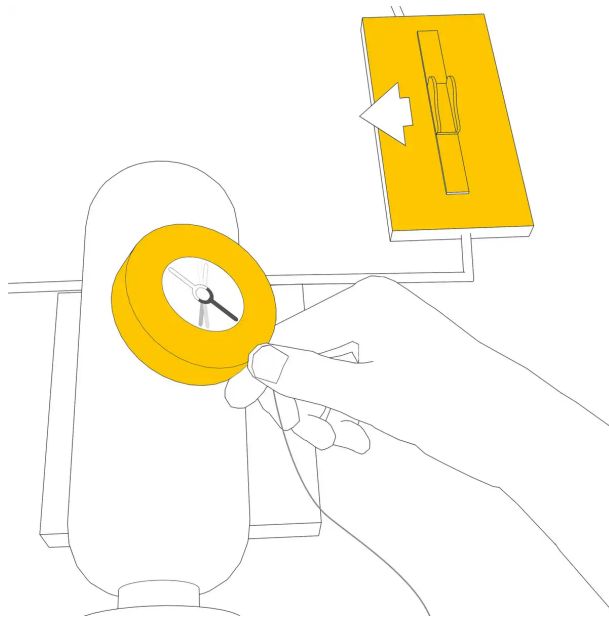


Electric Motor

How can you get the motor to turn?



Put the magnet block aside.

Close the copper switch.

Put the magnet block onto the engine.

The engine begins to turn when the magnet is in place.

Engine and magnet together build an electric motor. Electricity passes through a wire coil that is wound on an iron core – this increases the strength of the magnetic field. Placing the magnet on top generates a force, which makes the motor spin.

As a basic principle a force acts on a wire in a magnetic field when electricity flows through it.