

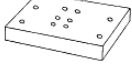
**MOTOR CONSTRUCTION KIT
(PERMANENT MAGNET D.C. MOTOR)**

(SCHOOL BOY BUILD KIT)

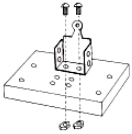
- PRACTICAL FOR BETTER UNDERSTANDING
- EASY TO ASSEMBLE
- FUN AND EDUCATIONAL

* The kit used to assist pupils to investigate, the principles, designs and operation of series and shunt wound field coil and permanent magnet d.c. motors.
* The kit is made from high quality materials and designed to withstand the constant process of dismantling and assembling.

(1) BASE

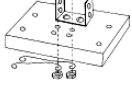


(2) MOUNTING BRACKET

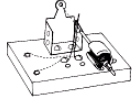


(3) FIX THE WIRE BRUSH

Connect the wire leads when the wire brushes are fixed in position, adjust the wire so that the upper tips, slightly crossed each other, this is to ensure good contact at the commutator.

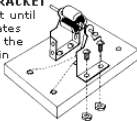


(4) MOUNTING THE ARMATURE

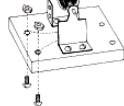


(5) MOUNTING BRACKET

Adjust the bracket until the armature rotates freely. Make sure the wire brushes are in good contact with the commutator.

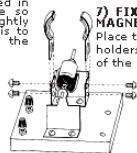


(6) FIX THE TERMINALS FOR ARMATURE

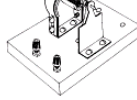


(7) FIX THE FIELD MAGNETS

Place the magnet holders on the outside of the bracket.



(8) PERFECTION, PERMANENT MAGNET MOTOR

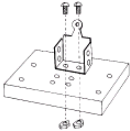


**MOTOR CONSTRUCTION KIT
(ELECTROMAGNETIC FIELD D.C. MOTOR)**

(1) BASE



(2) MOUNTING BRACKET

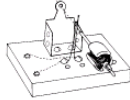


(3) FIX THE WIRE BRUSH

Connect the wire leads when the wire brushes are fixed in position, adjust the wire so that the upper tips, slightly crossed each other, this is to ensure good contact at the commutator.

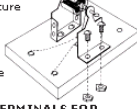


(4) MOUNTING THE ARMATURE



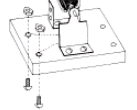
(5) MOUNTING BRACKET

Adjust the bracket until the armature rotates freely. Make sure the wire brushes are in good contact with the commutator.



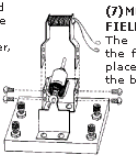
(6) FIX THE TERMINALS FOR ARMATURE AND FIELD COIL

Connect the wire leads to the terminals.



(7) MOUNTING THE FIELD COIL

The metal strips from the field coil should be placed on the outside of the bracket.



(8) PERFECTION, ELECTROMAGNETIC FIELD TYPE MOTOR

The field coil can be connected in series or parallel with the armature.

