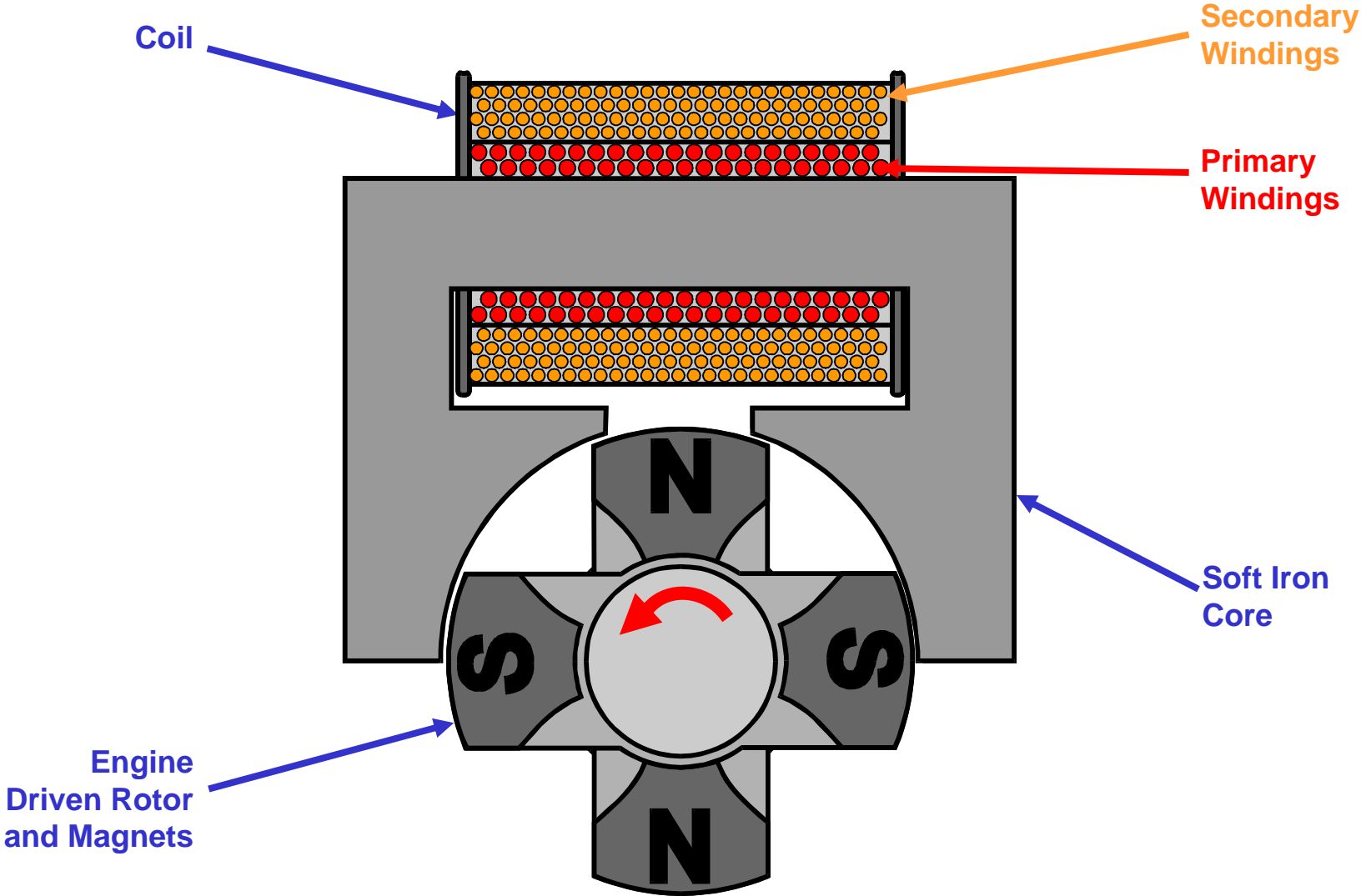


Ignition Systems

Or.....

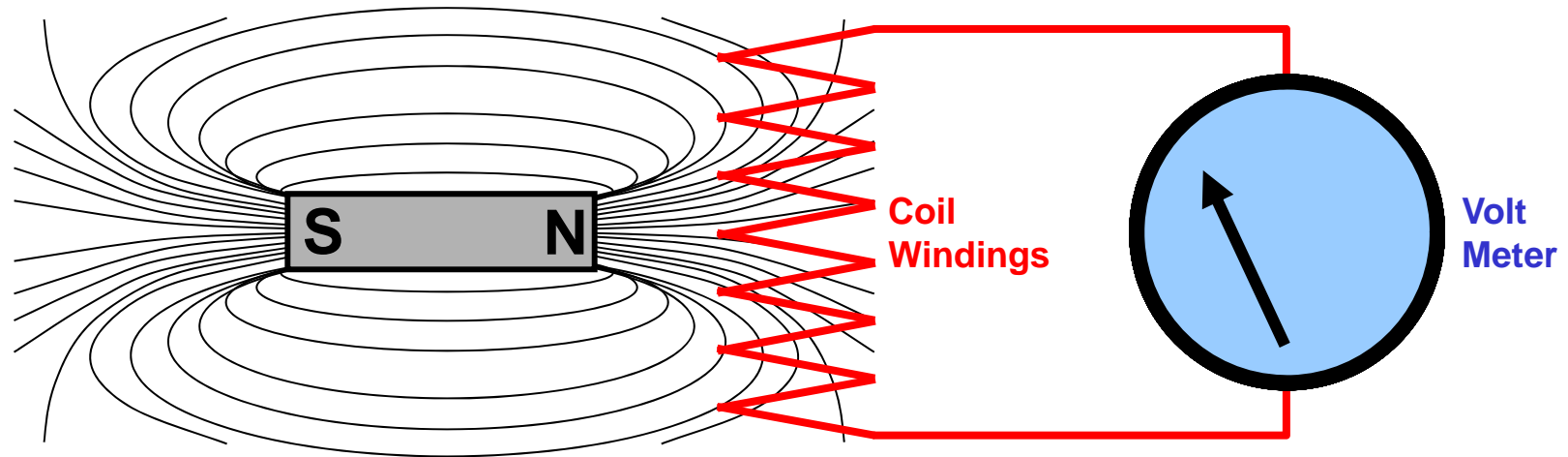
How to be a bright spark

Magneto Operation



IGNITION SYSTEM

Principal -



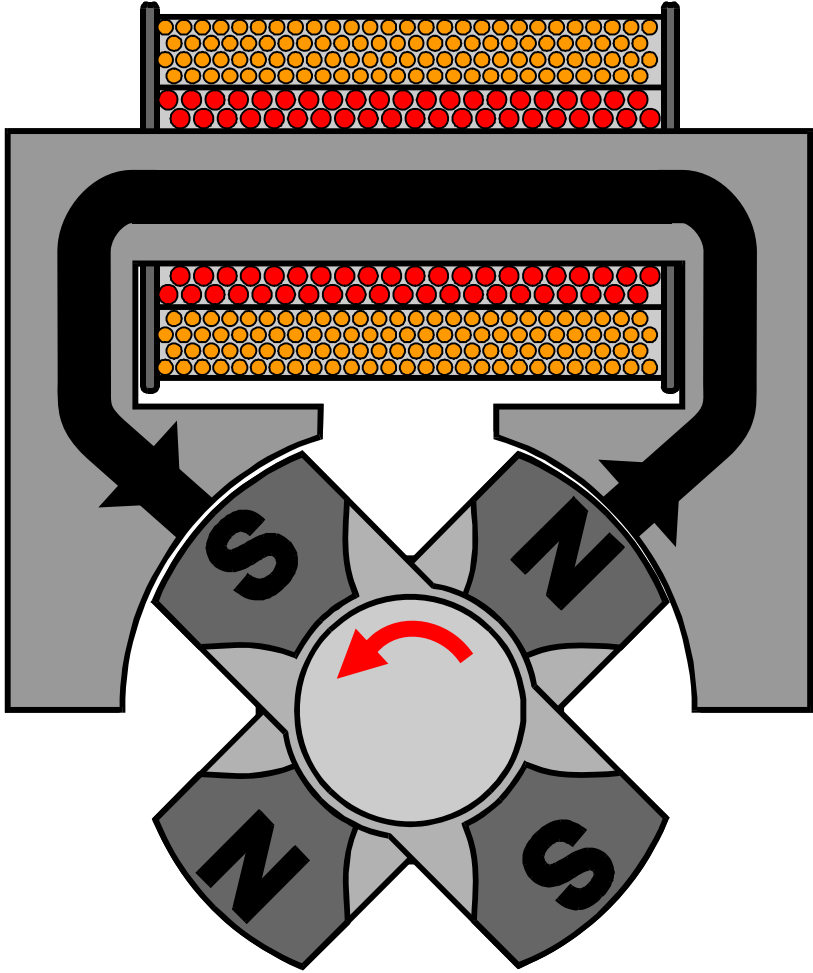
Each time the magnetic field 'washes' through wires

An electrical current is produced

Called an EMF – Electro Motive Force

IGNITION SYSTEM – Faraday Law

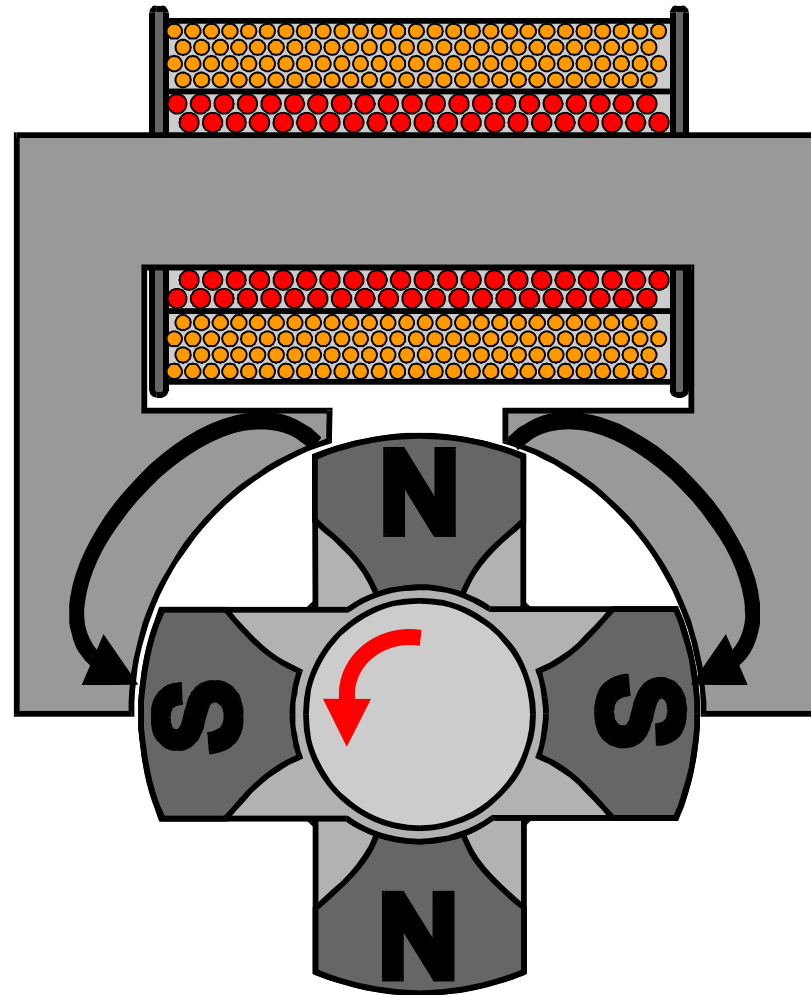
Magneto Operation



EMF produced in the coil windings

The magnetic field passes through soft iron core

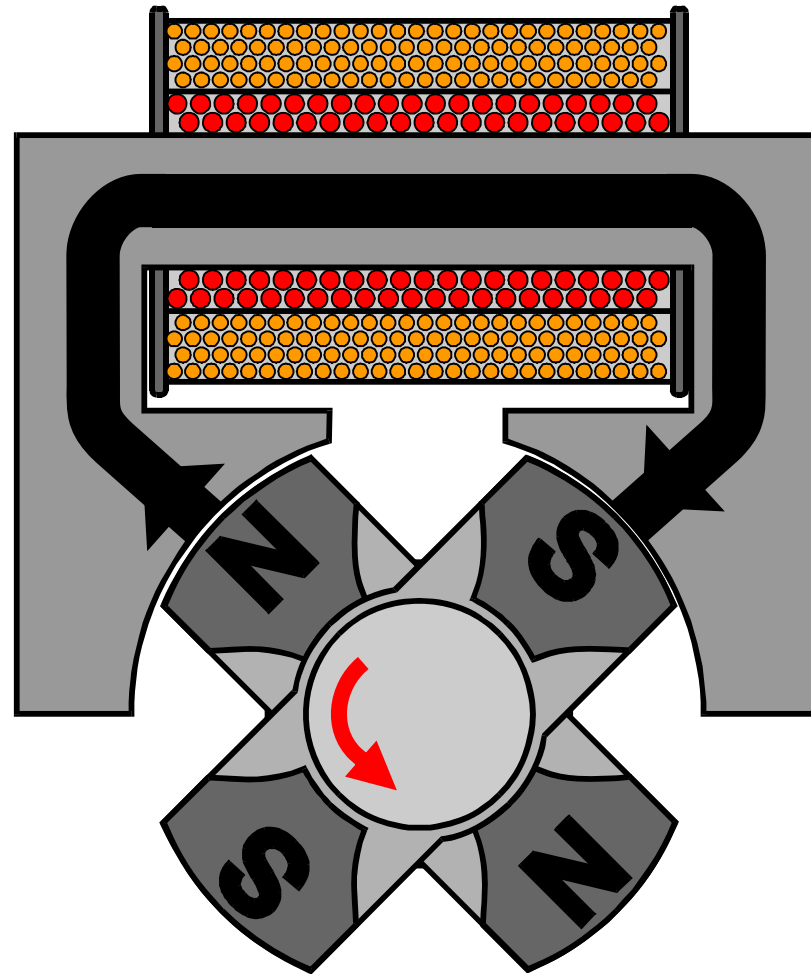
IGNITION SYSTEM



No EMF produced
in the coil windings

No magnetic
field in soft iron
core

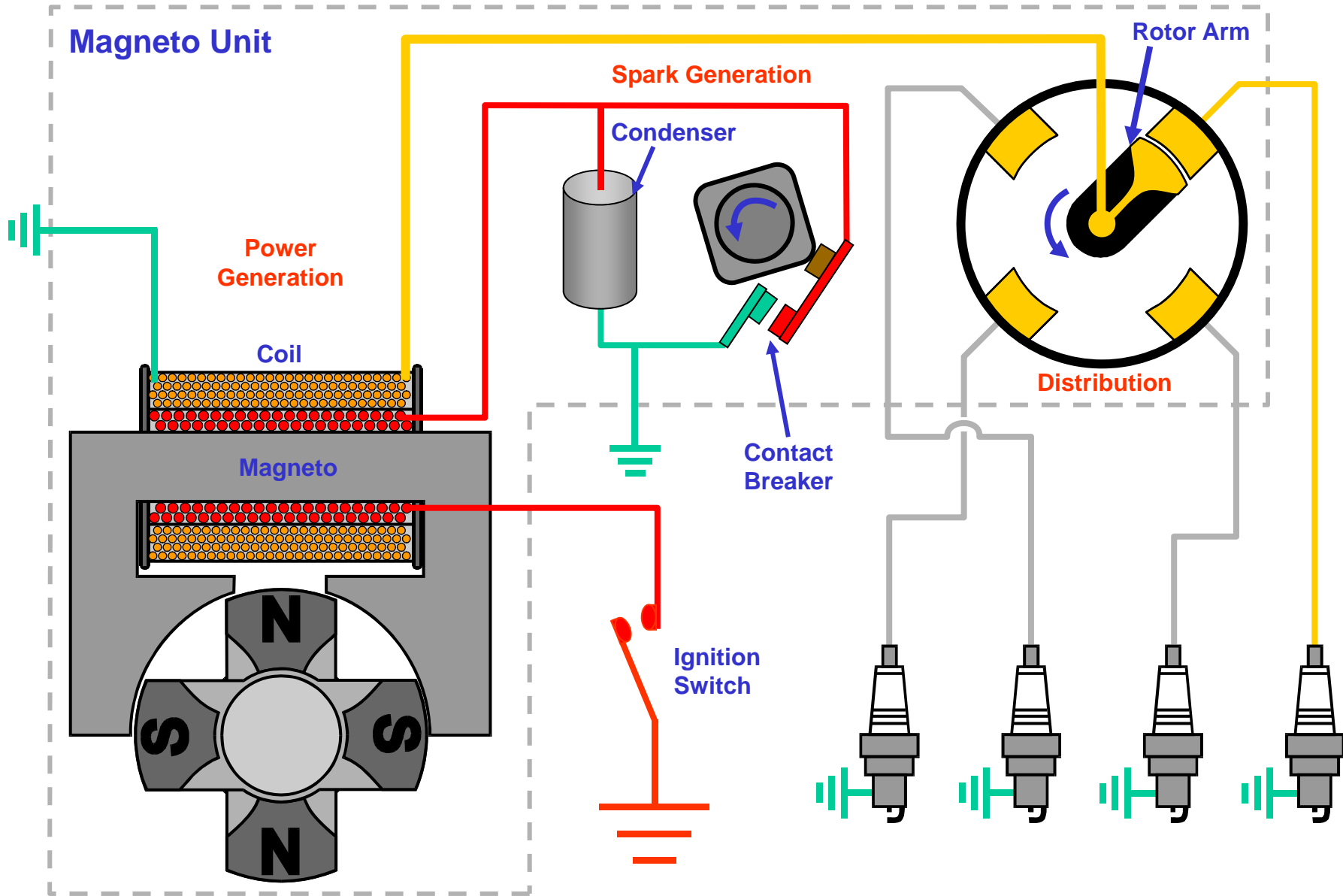
IGNITION SYSTEM



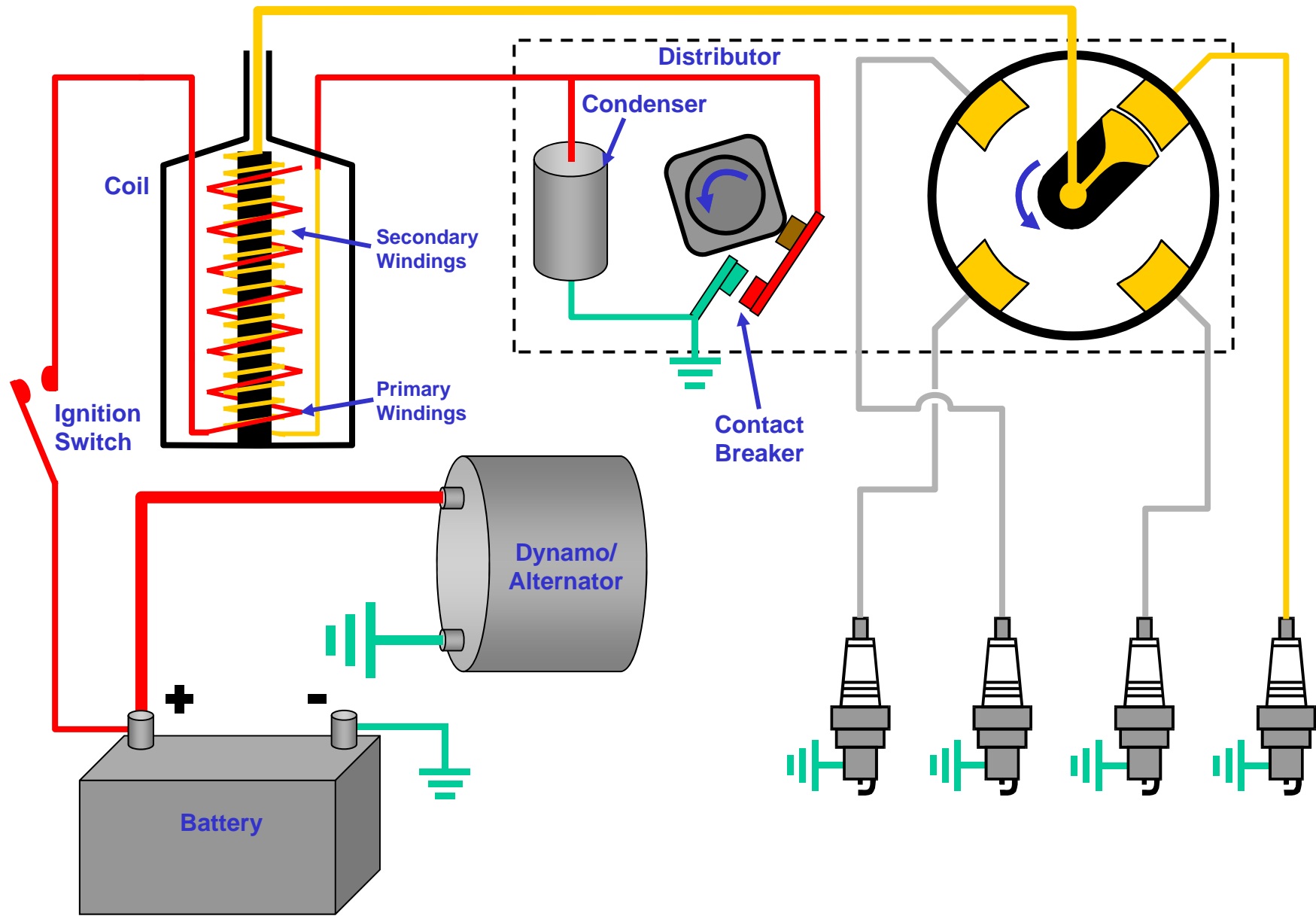
The magnetic field passes through soft iron core again

EMF produced in the coil windings again

IGNITION SYSTEM

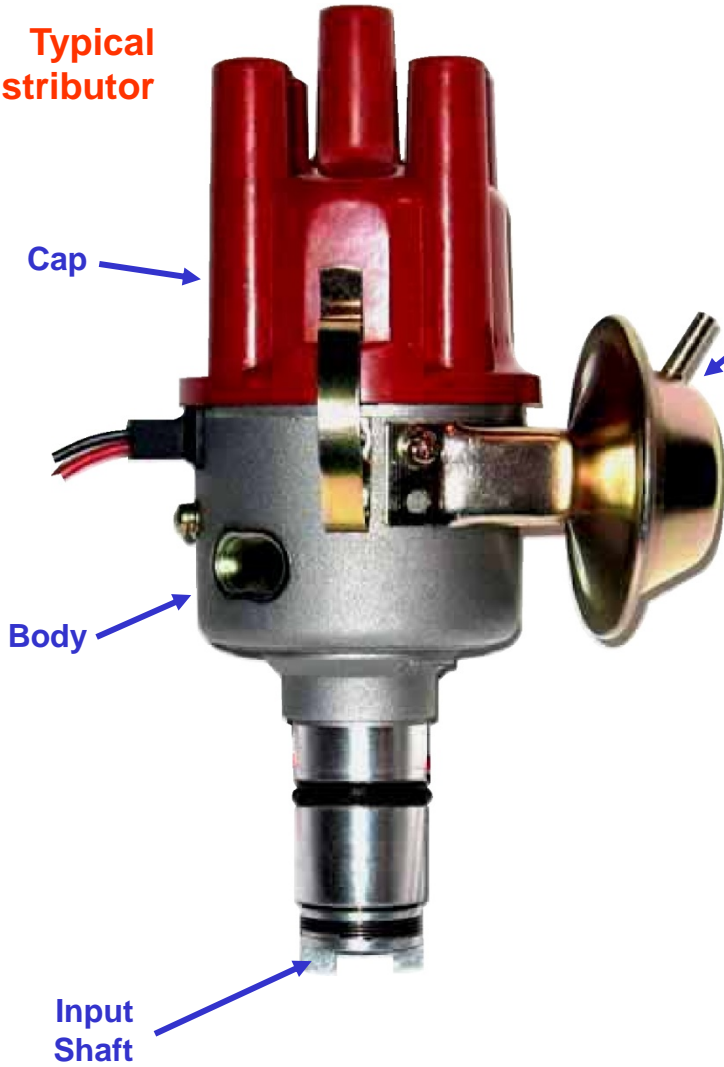


IGNITION SYSTEM – Magneto System

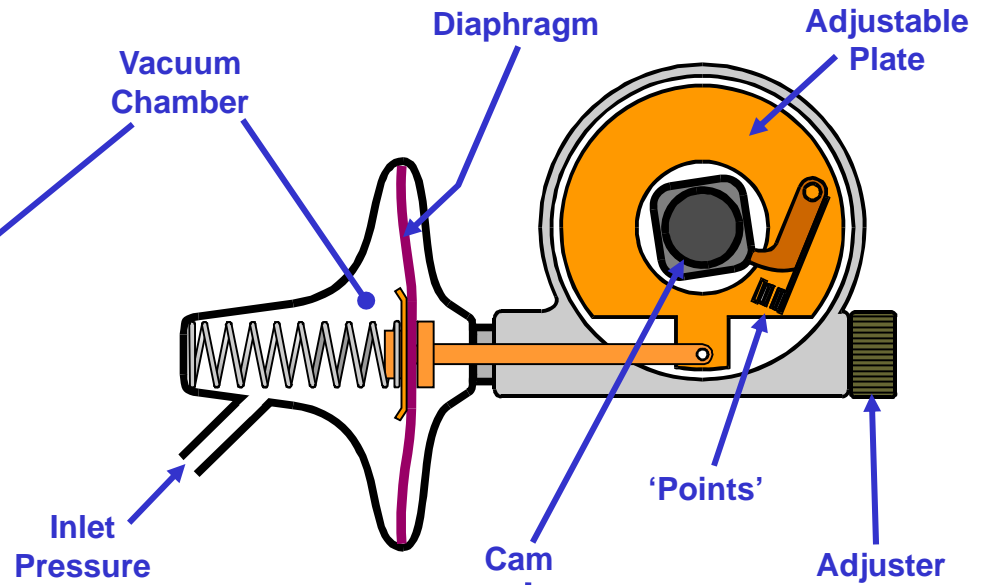


IGNITION SYSTEM – Dynamo/Alternator System

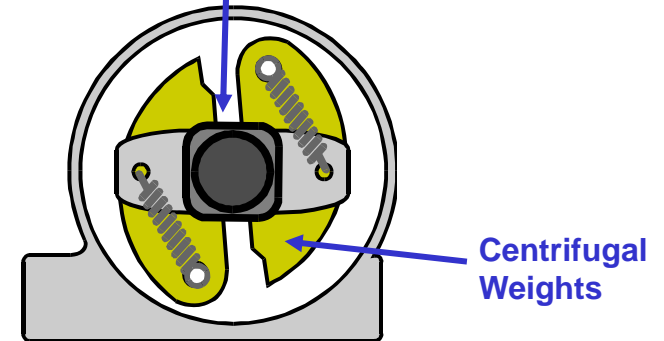
Typical Distributor



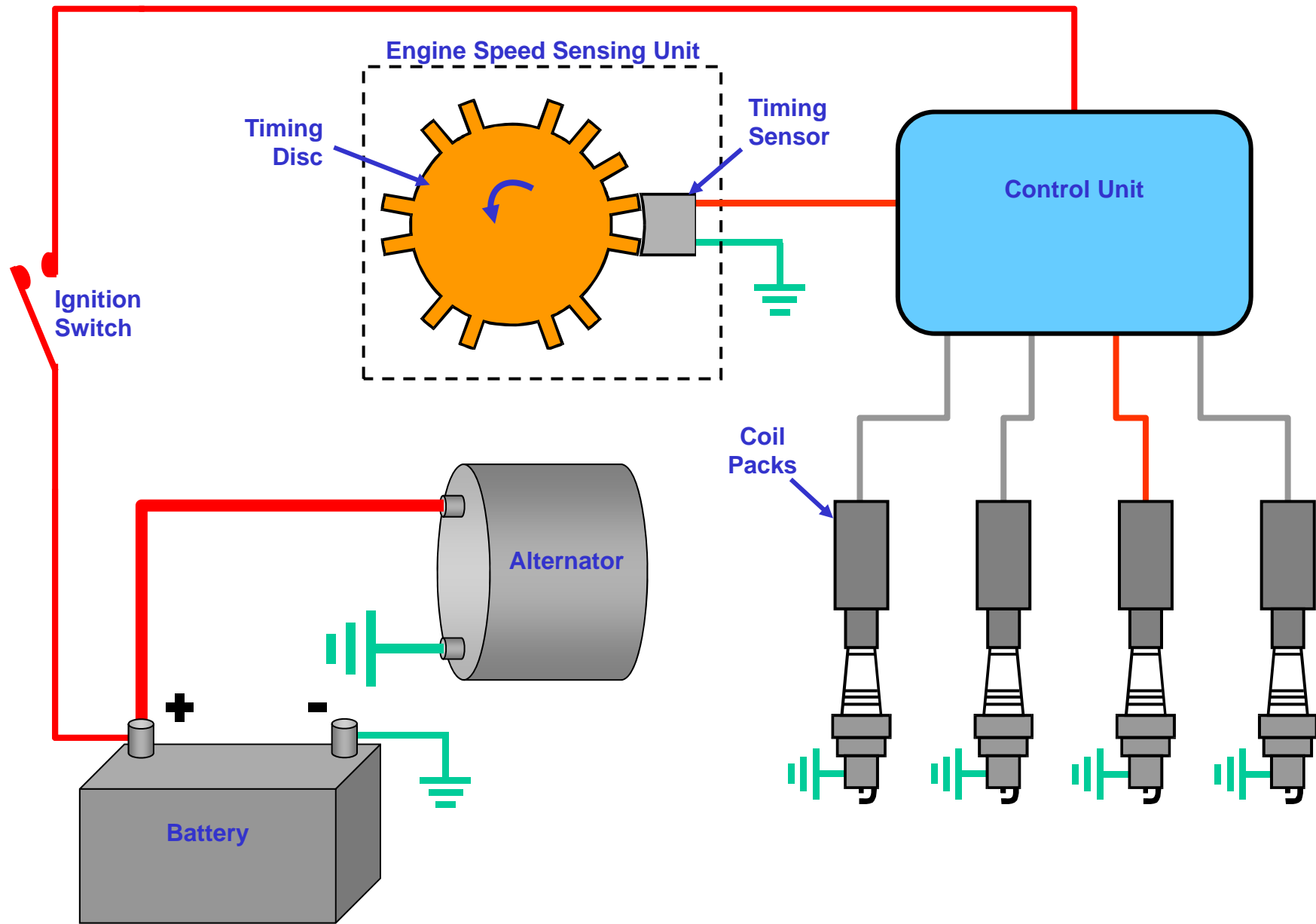
Vacuum Advance



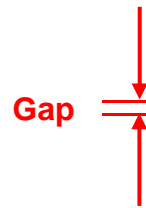
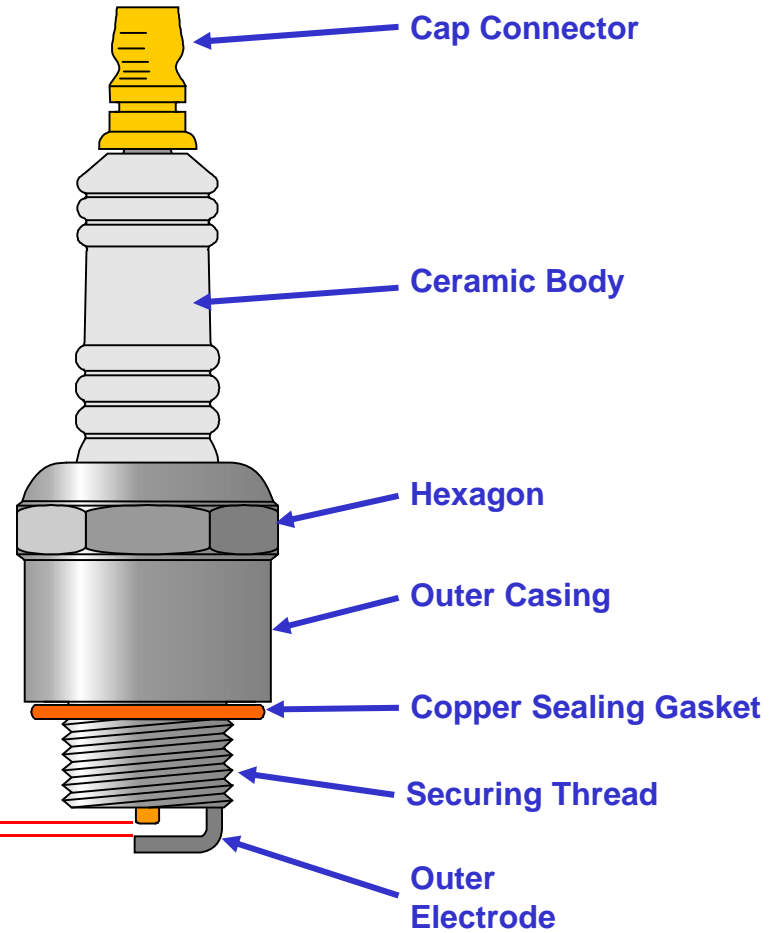
Centrifugal Advance



IGNITION SYSTEM – Distributor



IGNITION SYSTEM – Electronic Systems



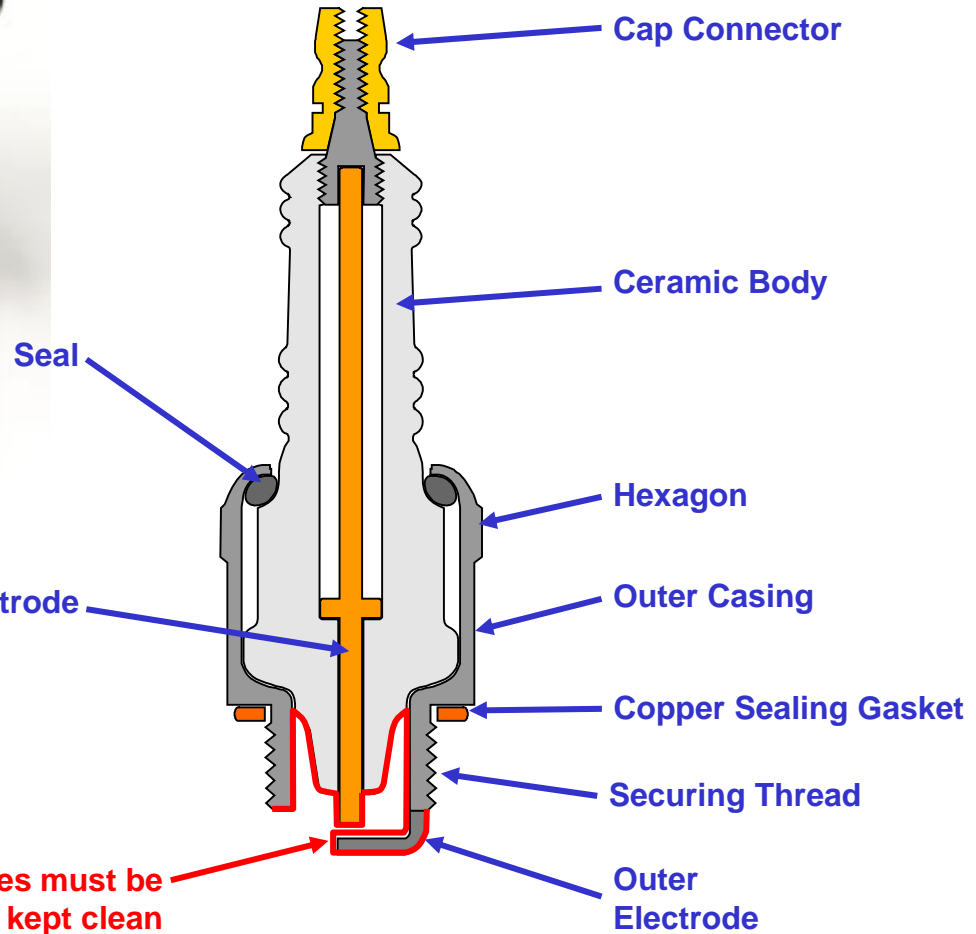
IGNITION SYSTEM – Spark Plug



**Change Spark Plugs
at specified times**

**Make sure the correct
Spark Plug is fitted**

**These surfaces must be
kept clean**



IGNITION SYSTEM – Spark Plug

Any Questions?