IGNITION SYSTEM

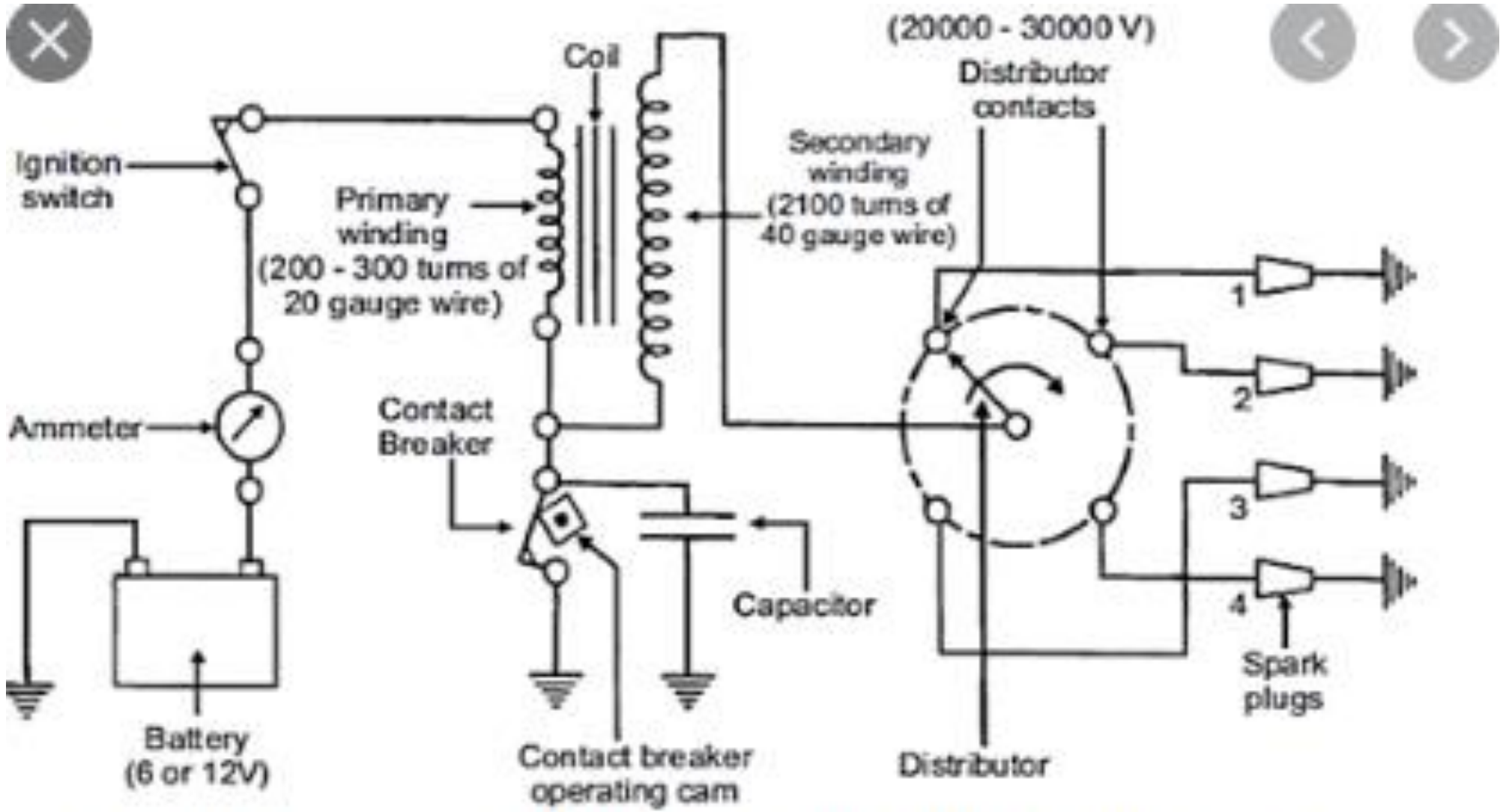
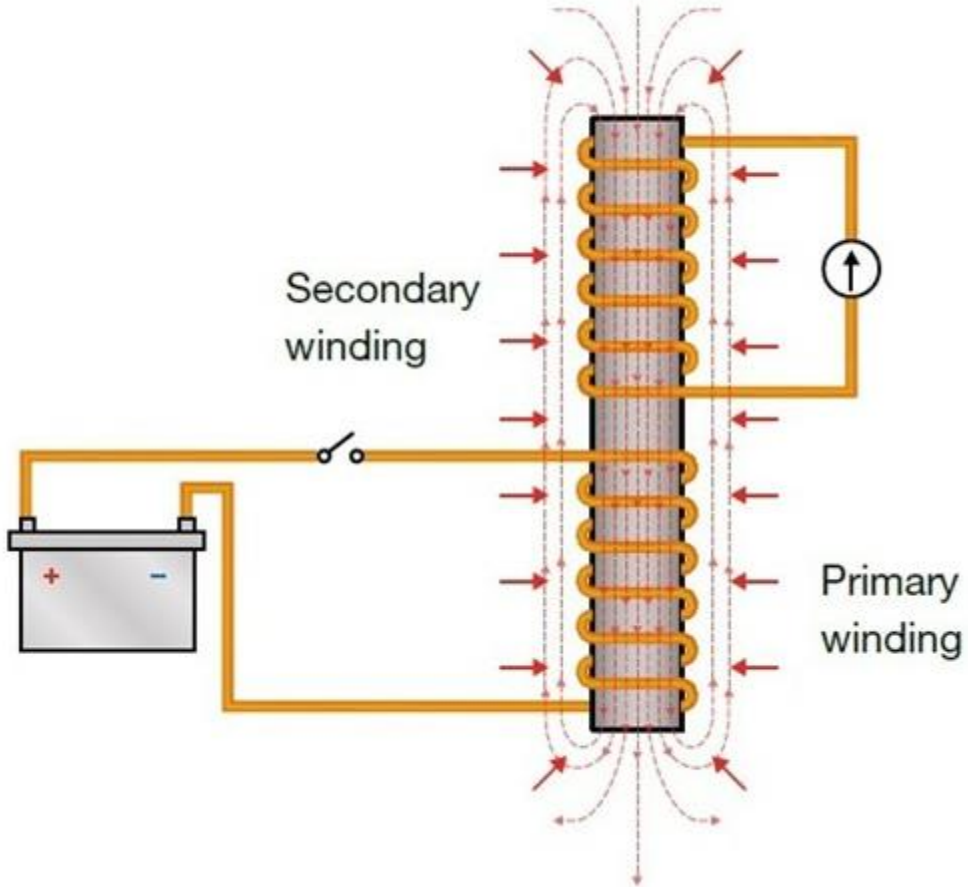
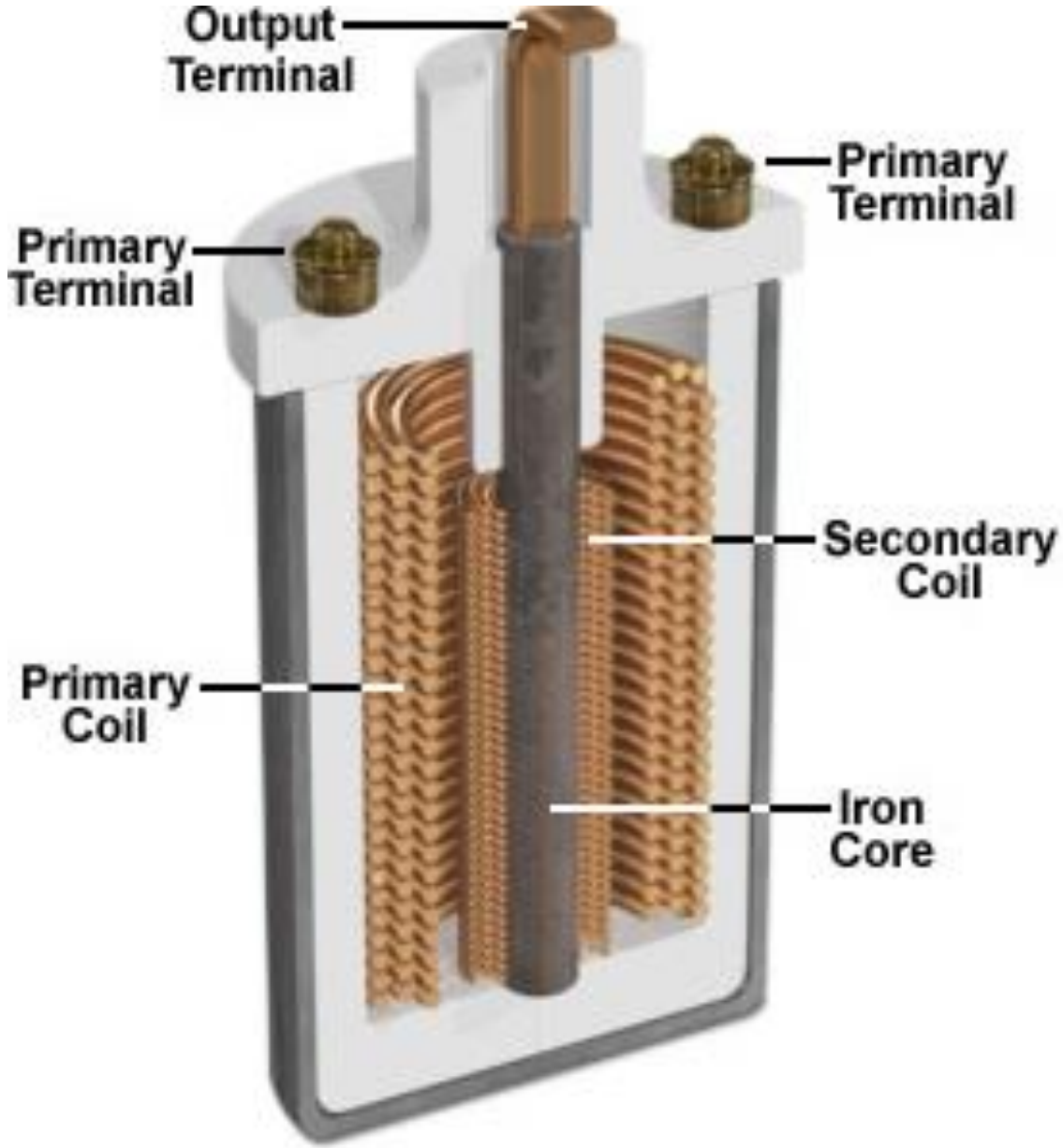
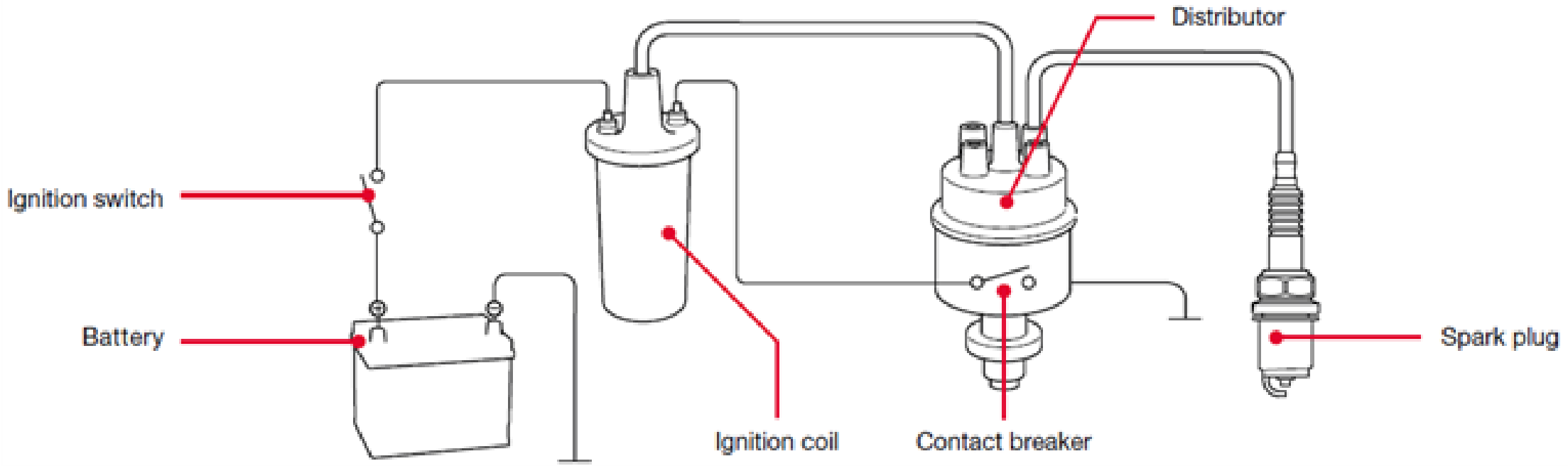


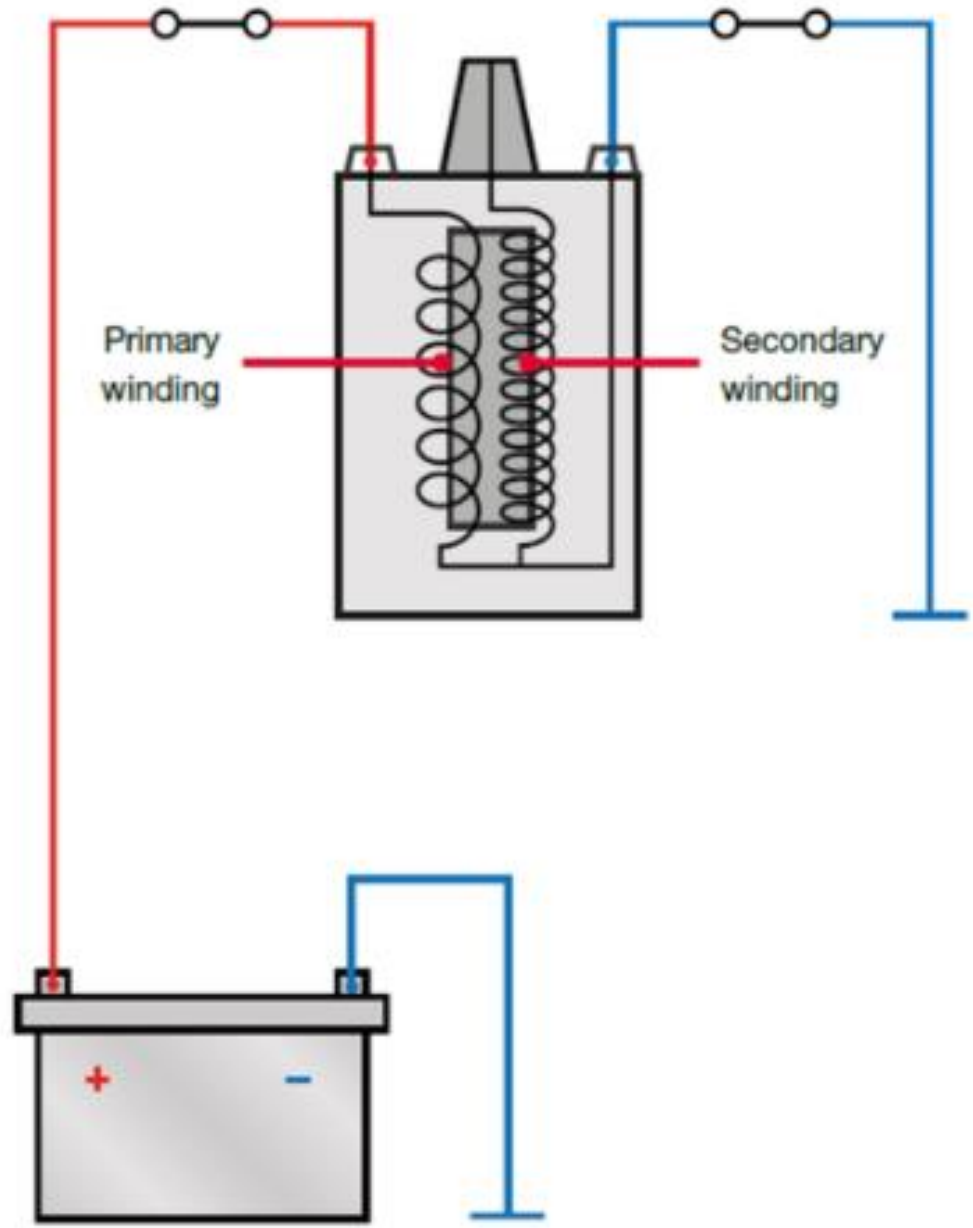
Fig 2b.2: Schematic Diagram of Coil/Battery Ignition System

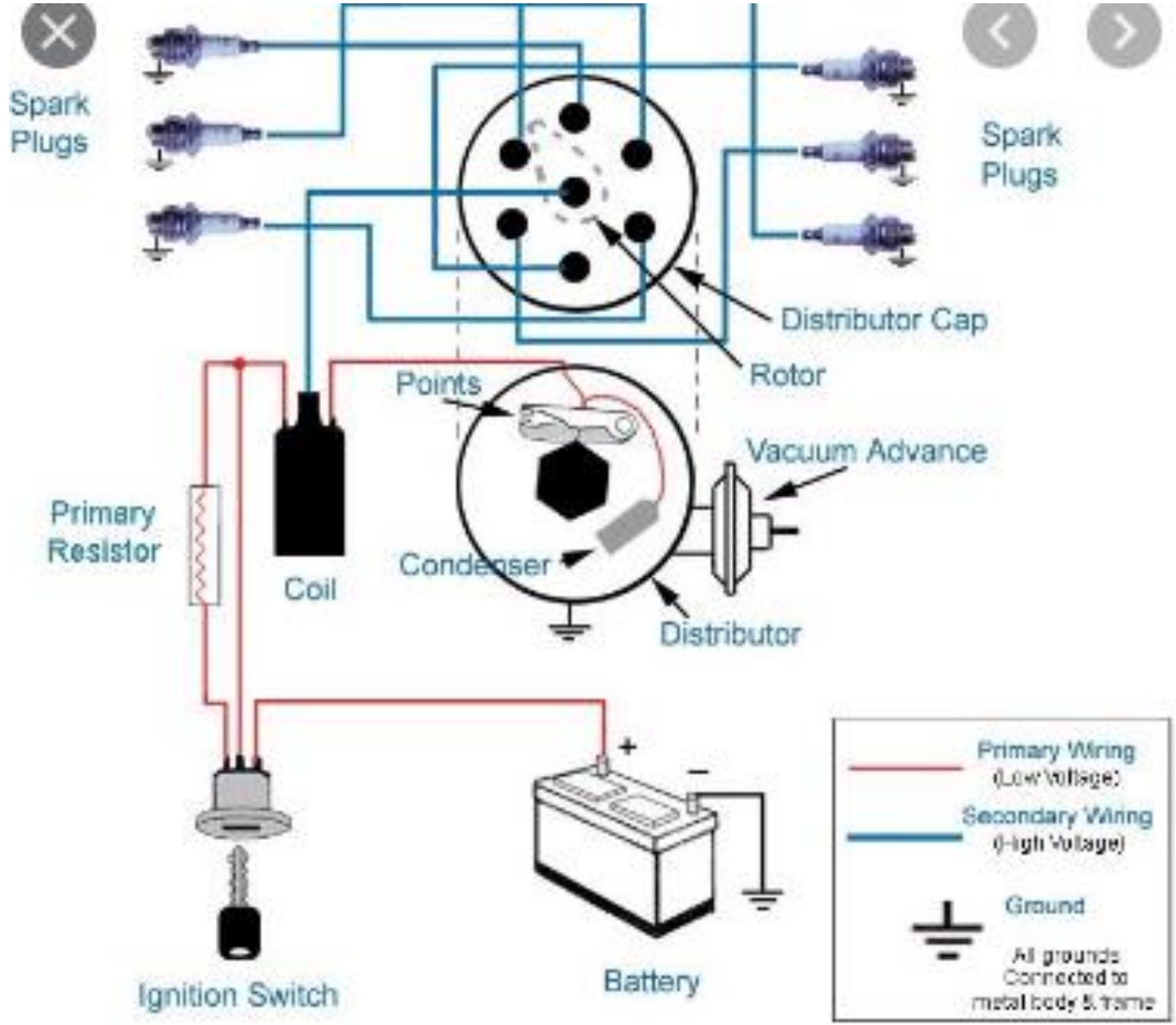
Mutual Inductance

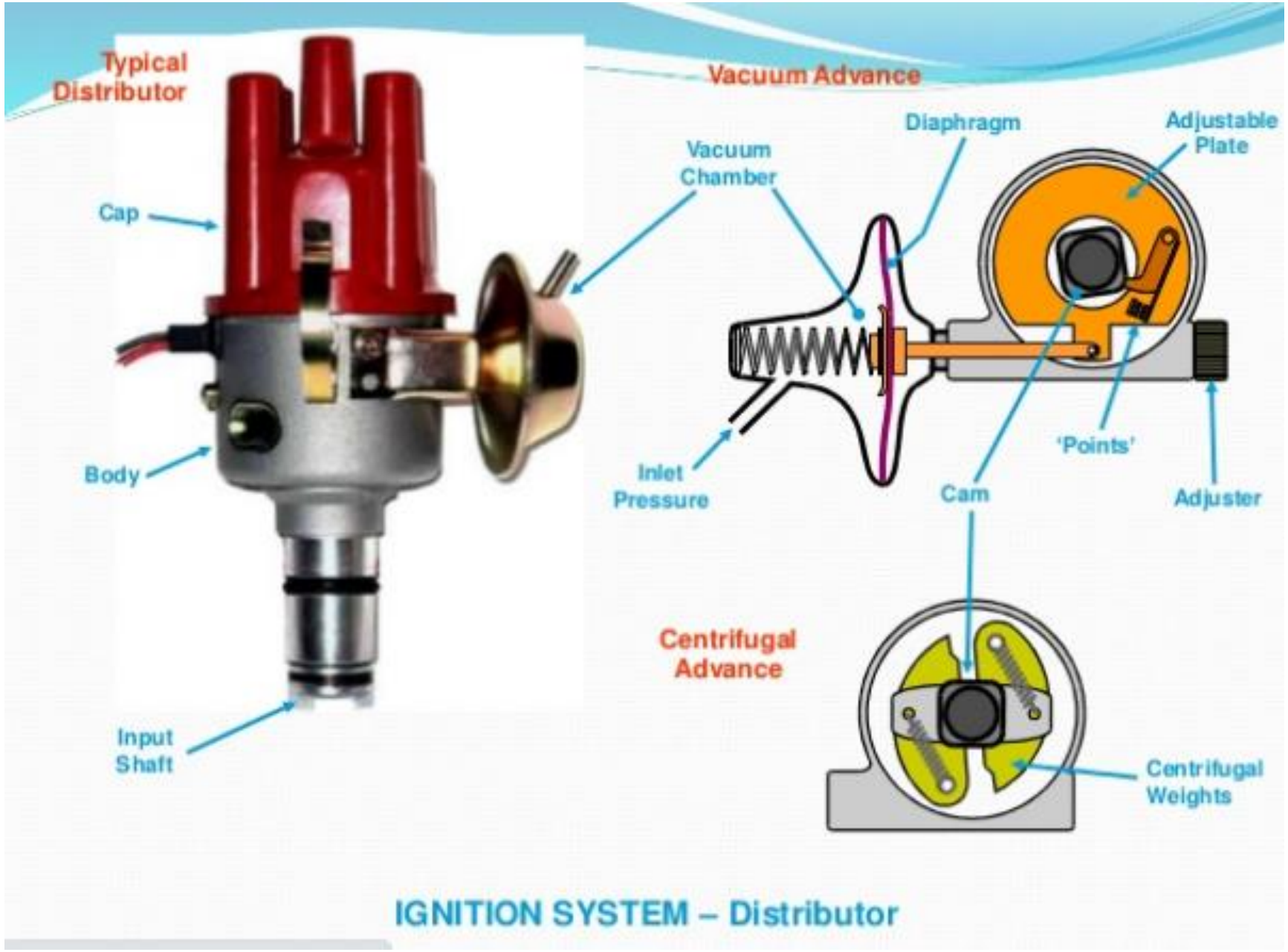



Output Terminal
Primary Terminal
Primary Terminal
Secondary Coil
Primary Coil
Iron Core

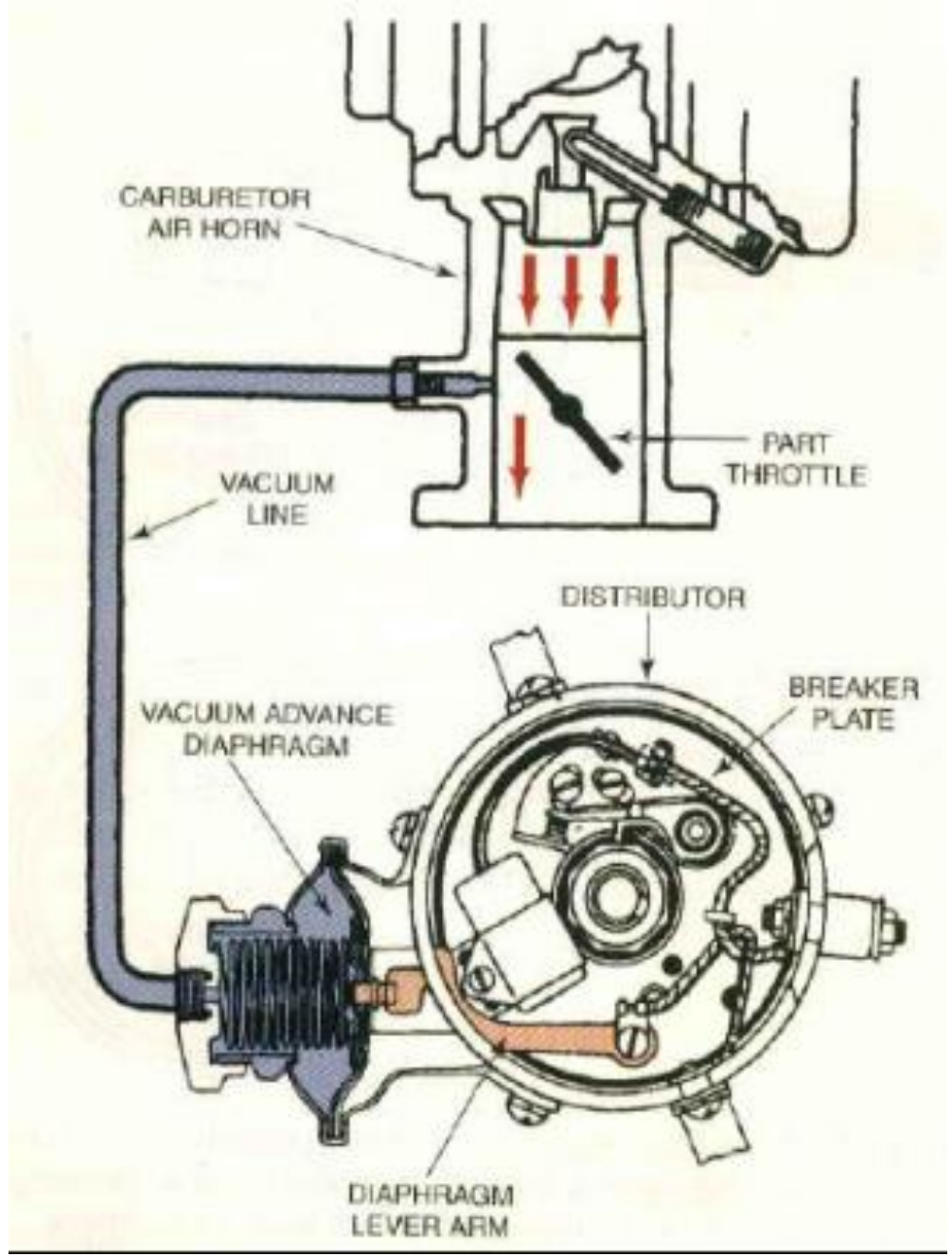

Distributor
Ignition switch
Battery
Spark plug
Ignition coil
Contact breaker

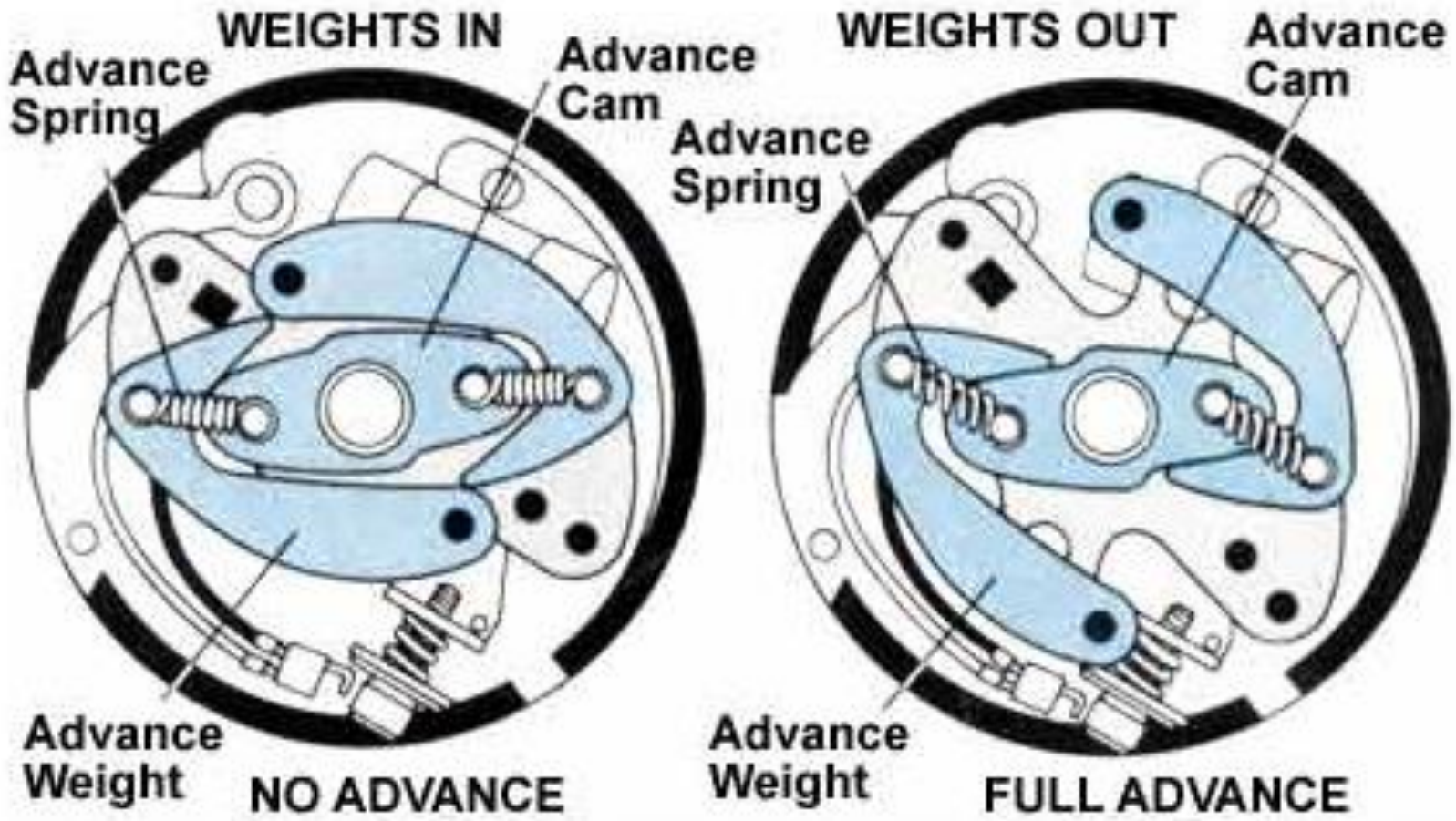

Primary
winding
Secondary
winding
+
−

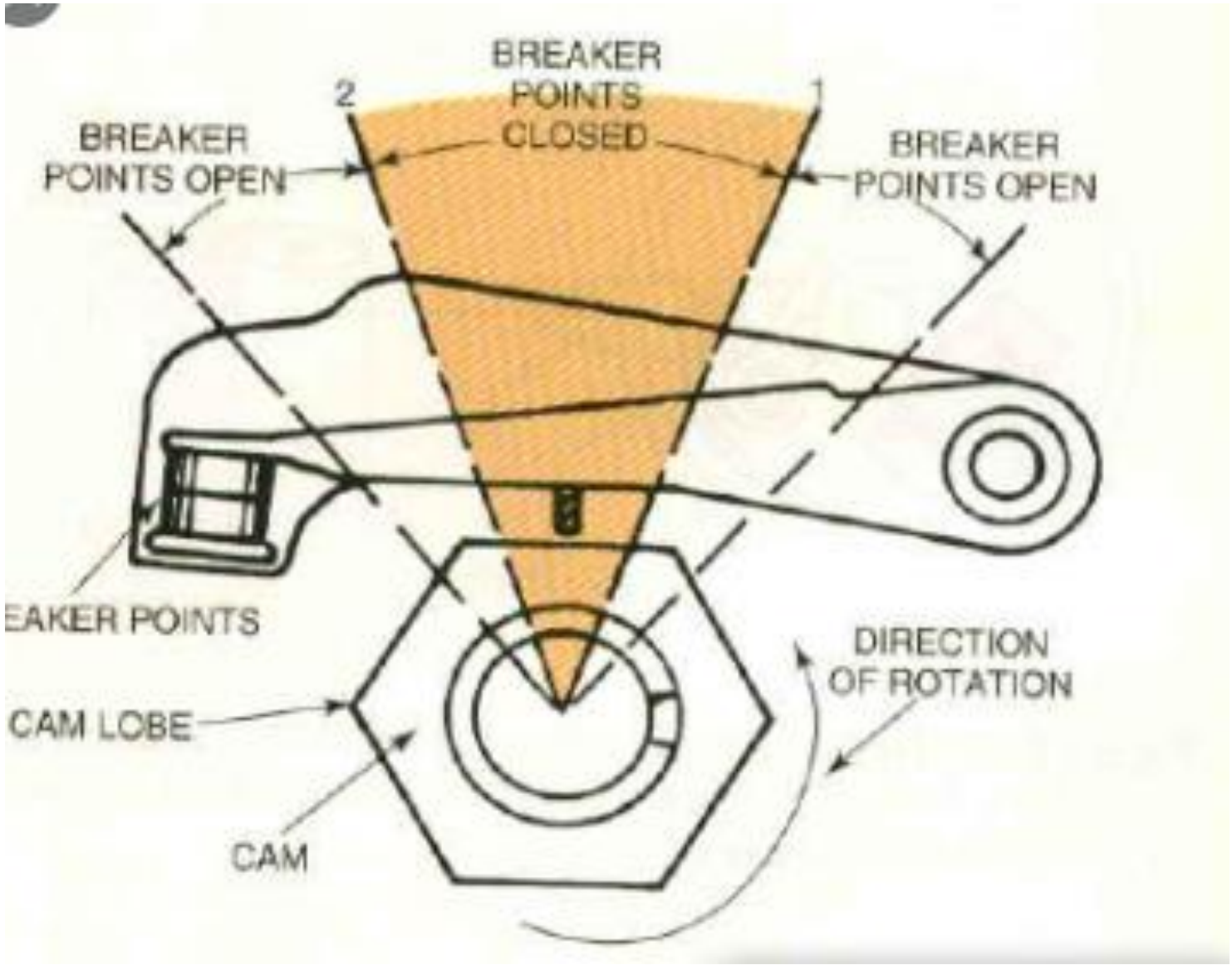

Spark Plugs
Spark Plugs
Distributor Cap
Rotor
Points
Vacuum Advance
Primary Resistor
Coil
Condenser
Distributor
+
–
Primary Wiring (Low Voltage)
Secondary Wiring (High Voltage)
Ground
All grounds Connected to metal body & frame
Ignition Switch
Battery

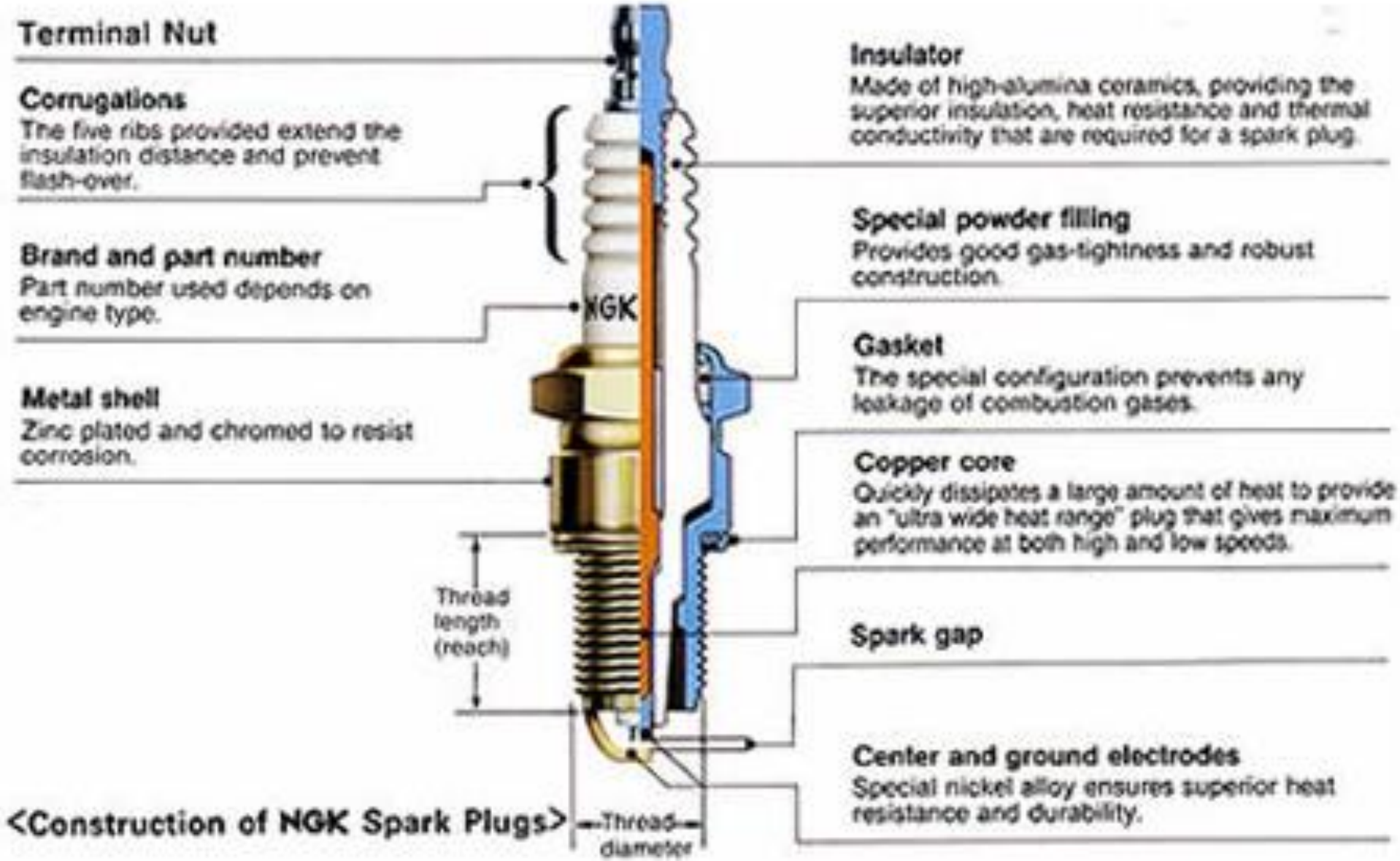


IGNITION SYSTEM – Distributor


CARBURETOR
AIR HORN
PART
THROTTLE
VACUUM
LINE
DISTRIBUTOR
BREAKER
PLATE
VACUUM ADVANCE
DIAPHRAGM
DIAPHRAGM
LEVER ARM


WEIGHTS IN
Advance Spring
Advance Cam
Advance Weight
NO ADVANCE
WEIGHTS OUT
Advance Cam
Advance Spring
Advance Weight
FULL ADVANCE


BREAKER
POINTS
CLOSED
2
1
BREAKER
POINTS OPEN
BREAKER
POINTS OPEN
EAKER POINTS
CAM LOBE
CAM
DIRECTION
OF ROTATION



<Construction of NGK Spark Plugs>