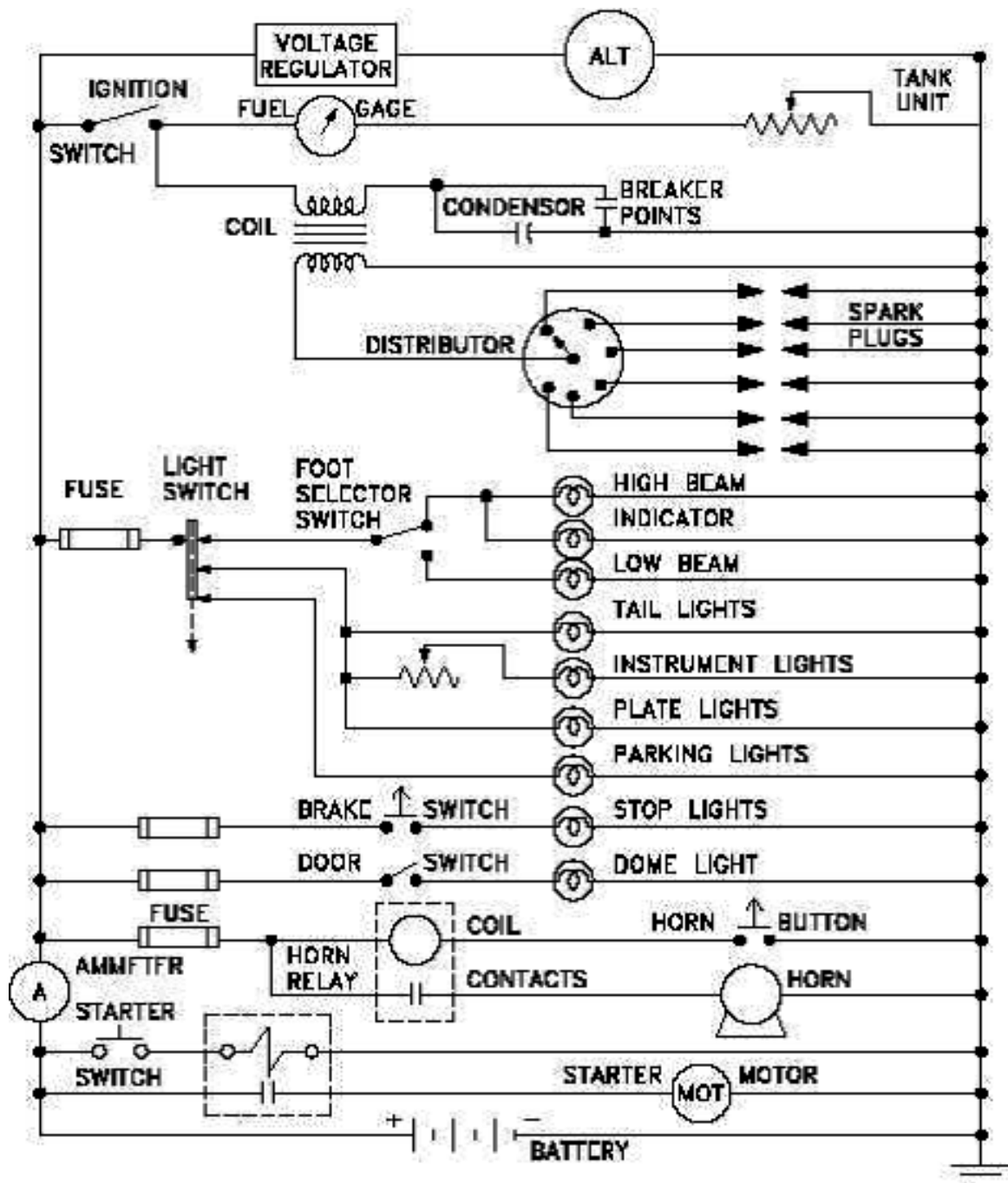
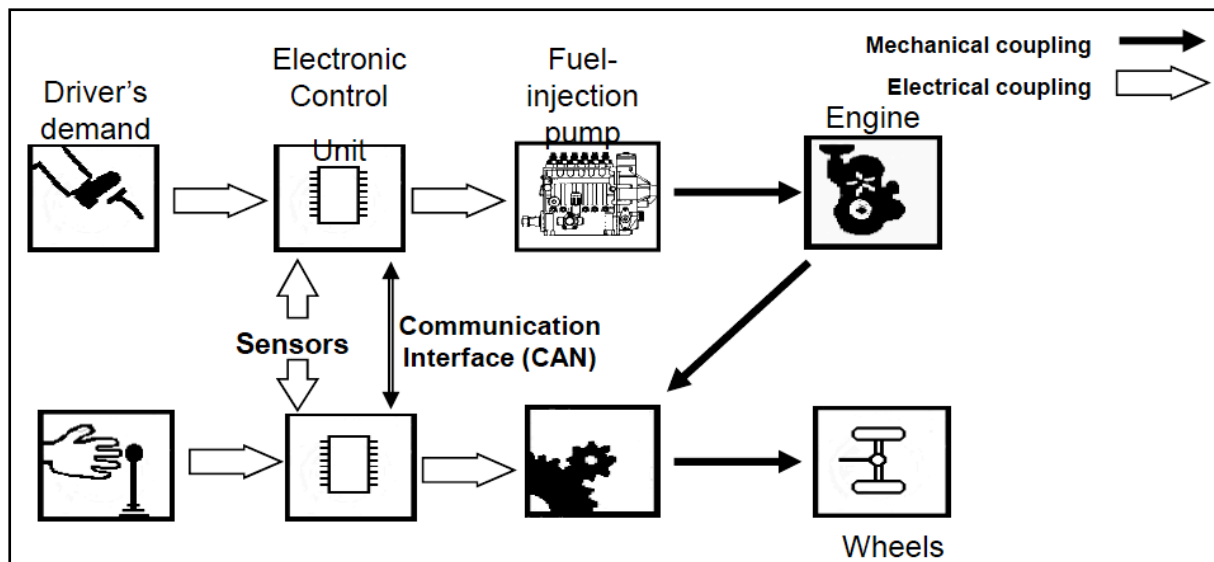


Experiment 1

Study & demonstration of automotive electrical and electronic systems with its detailed layout.



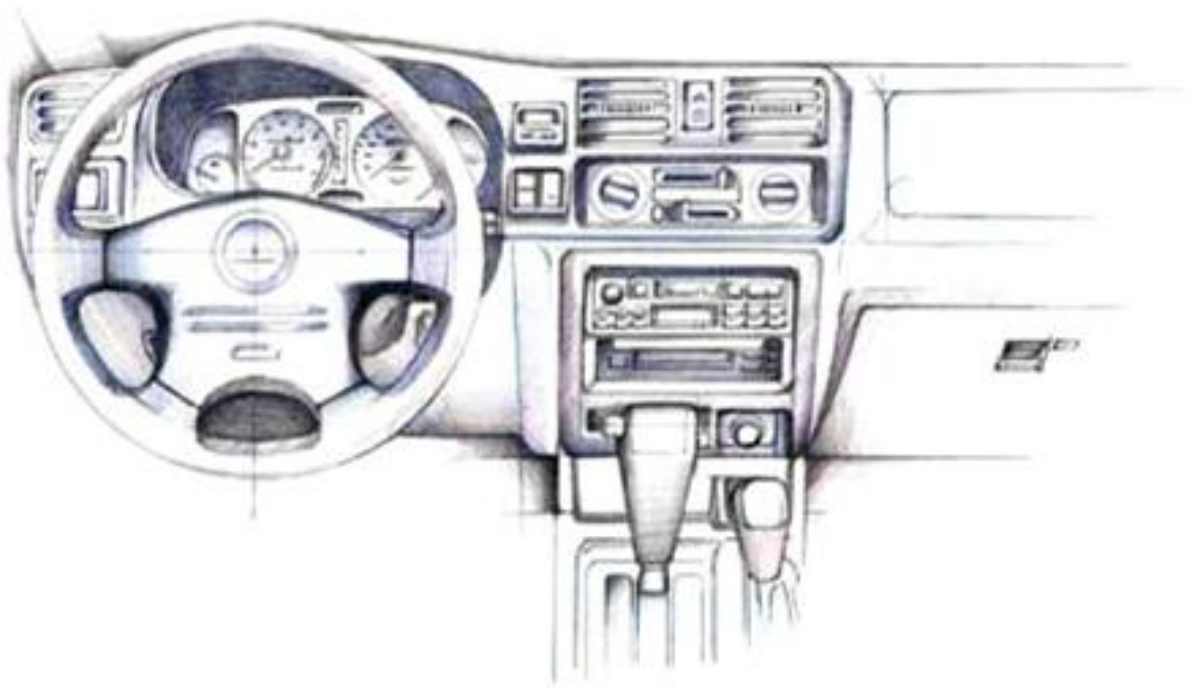
Automotive Electrical System Layout



Automotive Electronic System Layout

Experiment 2

Demonstration of dash board panel instruments & controls.

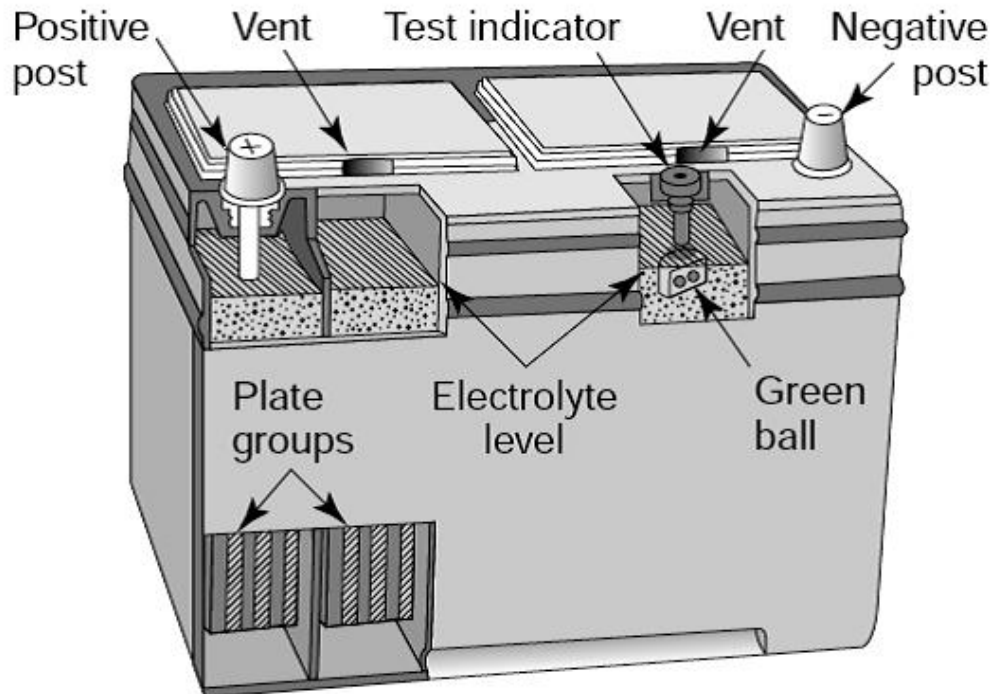


Typical Automotive Dashboard

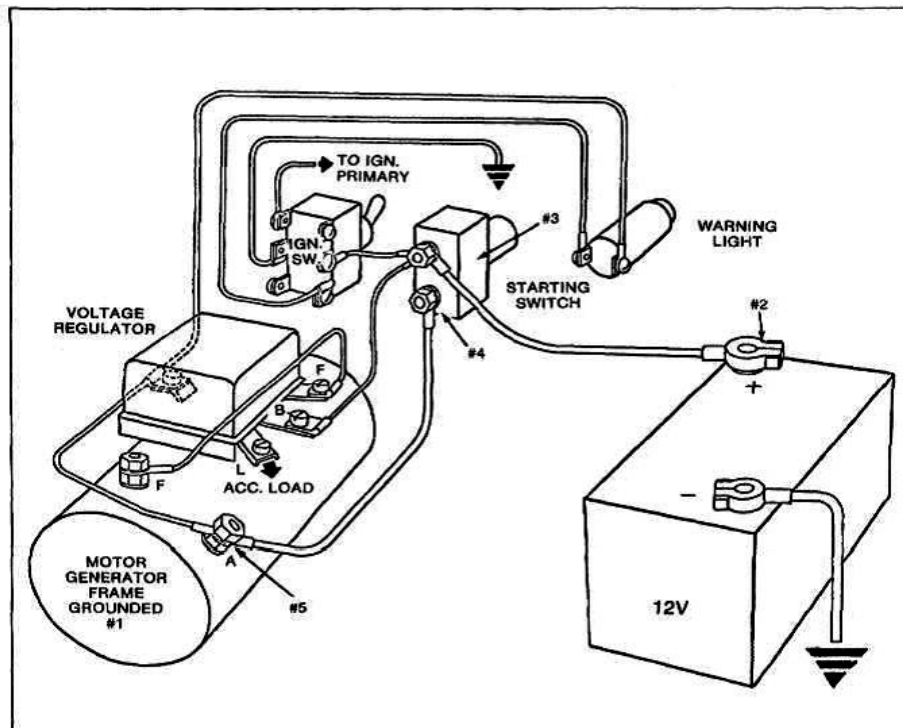
Note: Labelling of this figure is needed.

Experiment 3

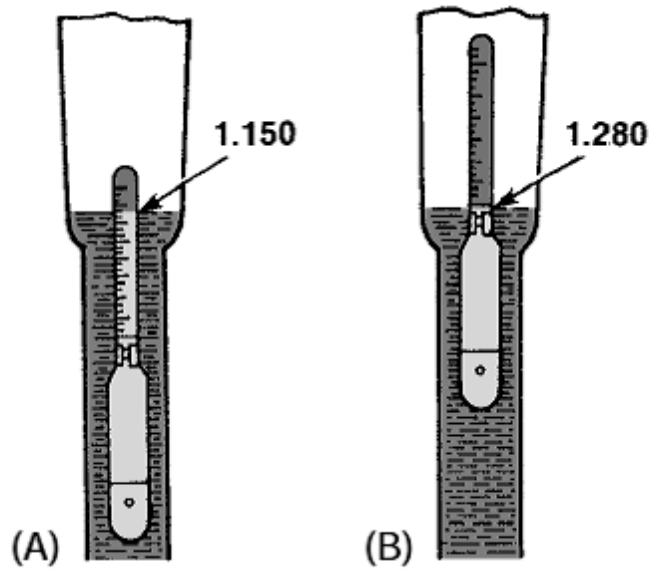
Testing of automotive battery.



Construction of a maintenance-free battery showing the location of the gas vents.



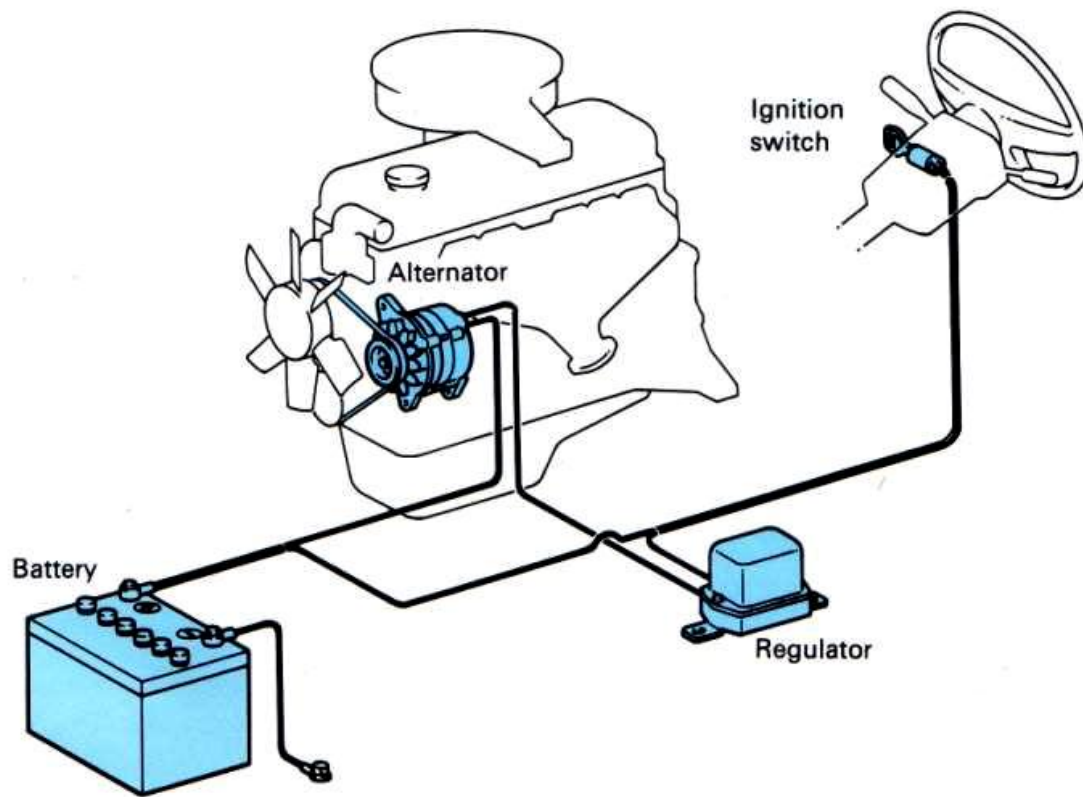
Starting and Battery Charging System



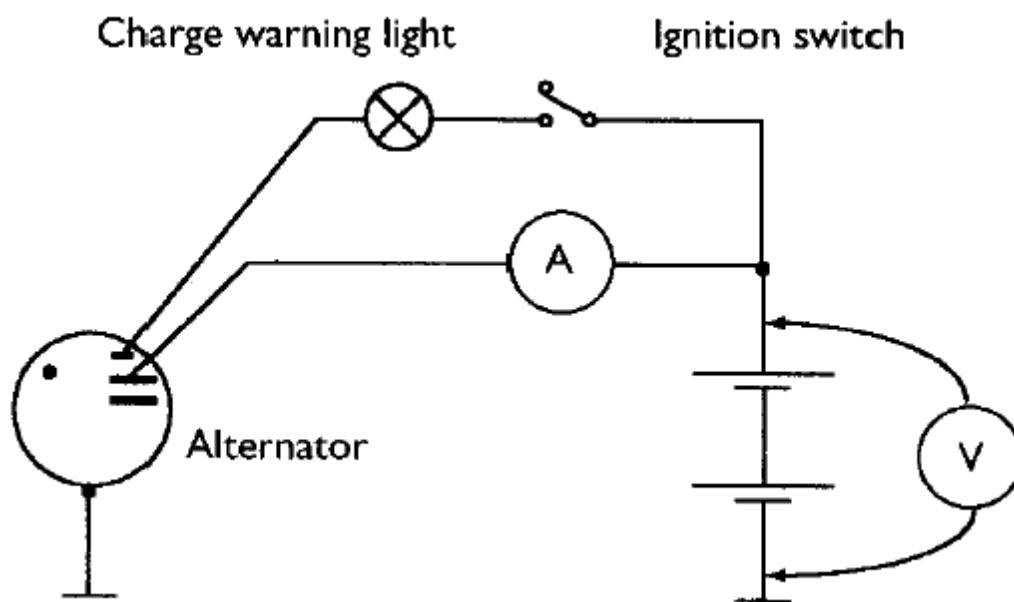
**(A) When the scale sinks in the electrolyte, the specific gravity is low;
(B) when it floats high, the specific gravity is high.**

Experiment 4

Demonstration and testing of alternators.



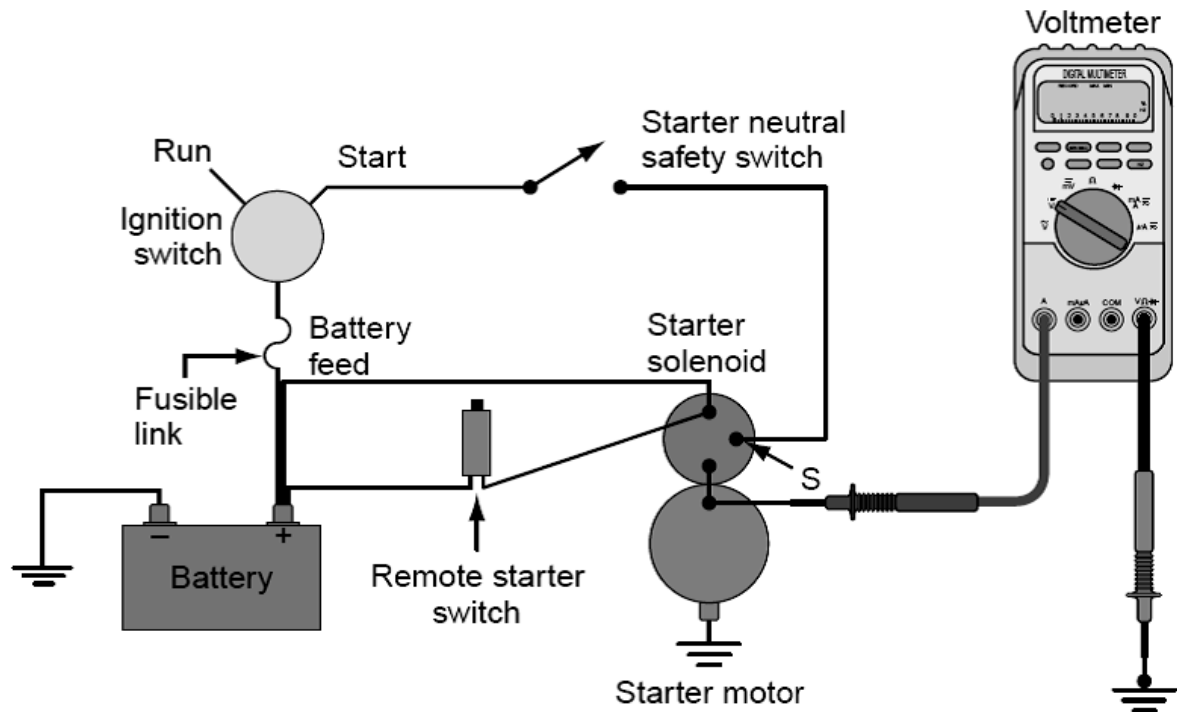
Charging Through Alternator



Alternator Circuit Testing

Experiment 5

Demonstration and testing of starter motors.



Starter Circuit Diagram

Experiment 6

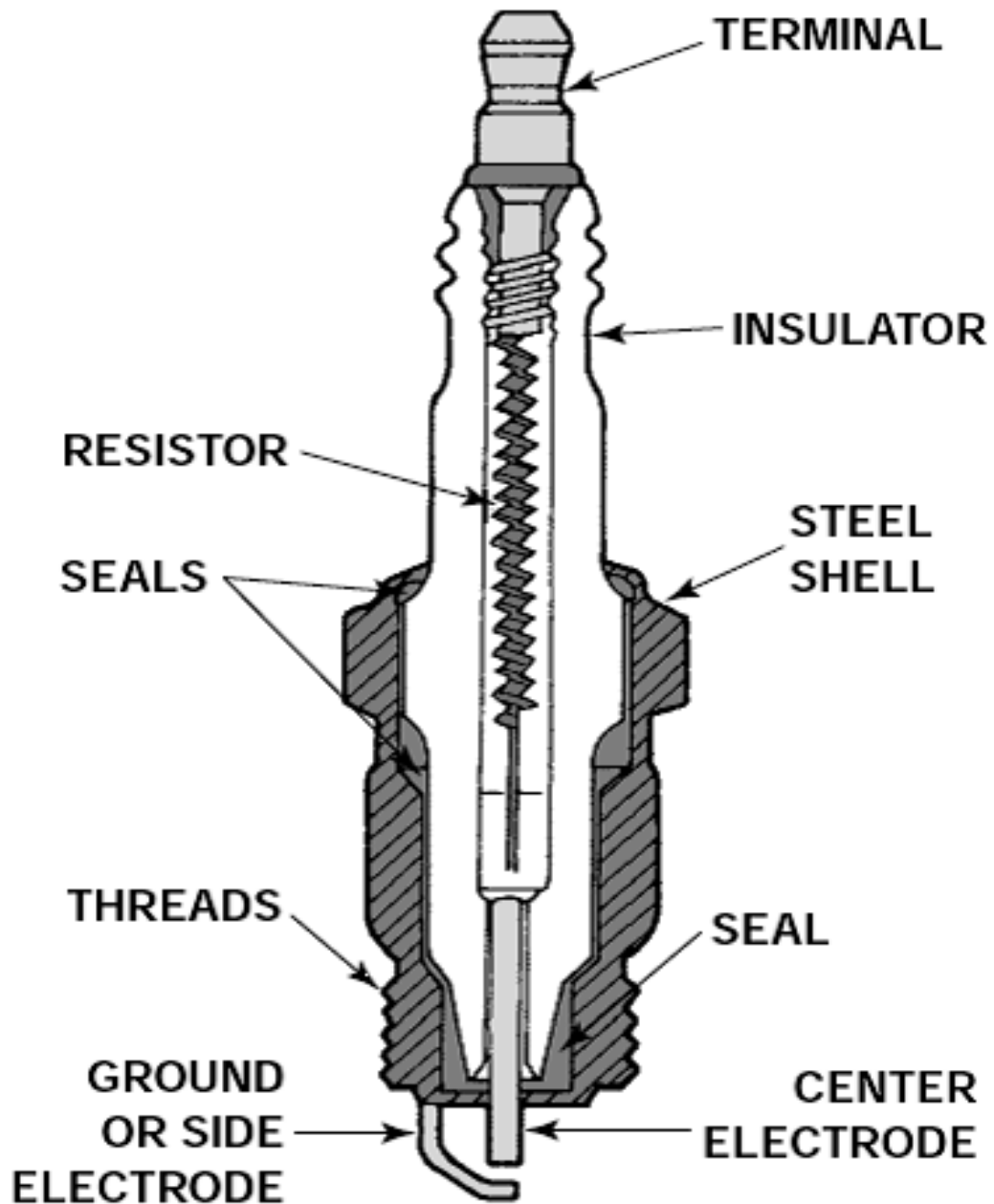
Testing of auto electrical components on multifunctional tester.



BOSCH Multifunction Tester

Experiment 7

Testing & cleaning of spark plug.



Components of a Typical Spark Plug