

## **Electric Troubleshooting: (battery, charging, ignition, indicators)**

### **-battery**

#### **wont charge**

- battery kaputt
- electrolyte level low
- charging system wires broken or shorting
- battery terminals loose or dirty
- voltage regulator defect
- rectifier defect
- alternator brushes worn
- rotor windings broken

#### **xsive charging**

- battery plates shorting
- regulator not earthed properly
- regulator kaputt

#### **unstable charging**

- intermittent short in wiring
- intermittent coil operation in alternator
- mechanical regulator points dirty
- key switch defective

- the battery should show
  - at idle.....12.6V
  - at 1200rpm 13.5V
  - at 3000rpm 14.5V

... if not, read [curlys' guide for the charging system](#)

### **-ignition**

#### **no or weak spark**

- battery kaputt or flat
- coils
- spark plug, plug cap, leads
- kill switch
- main switch
- fuse
- broken or dirty connection

#### **points burnt or pitted**

- condensers

**plugs - oil fouled**

- worn - rings, bore, valve guides or seals
- blown head gasket

**plugs - carbon fouled**

- too rich
- idle speed too high
- plugs too cold

**plug - electrodes burnt or overheated**

- too lean
- ign timing wrong
- plugs too hot
- engine overheating

**- indicators**

**wont light**

- bulb burnt
- no earth
- connection broken

**wont flash**

- battery low

**blink speed varies with rpm**

- battery low
- flasher unit broken