TIGER CUB 63: ELECTRICAL SYSTEM

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COMPONENTS:

- Lighting and ignition Switch
- Wire Harness
- Head Lamp and Tail lamp
- Stator
- Rectifier
- Battery
- Coil
- Contact Breaker
- Horn
• Produces electricity
• As the motorcycle runs, a magnetic wheel spins and induces electricity in coils in the stator
• As the cam spins faster, the induced current increases linearly
• The points ignite the fuel when the engine is approaching top dead center
• The capacitor is charged via the battery.
• The points timing is controlled by centripetal force.
  • As the cam spins faster two weights on spring spread apart. This forces the spark to occur sooner in the cycle
• The Rectifier converts AC to DC to charge the battery and run electrical components like the lights and horn
The horn was broken
Most likely causes: the timing screw came off and pieces inside got stuck
To repair we had to drill out the rivets and reassemble the inside
Now it works!
QUESTIONS:

Was there anything you found shocking?