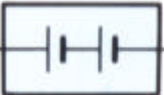


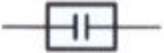



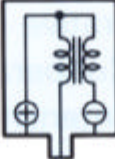














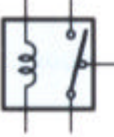
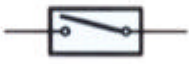


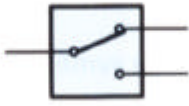
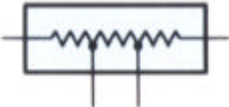
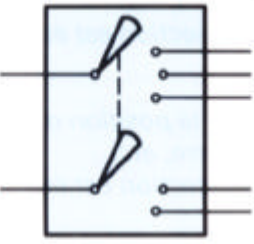
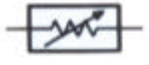
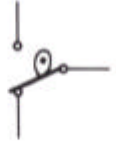

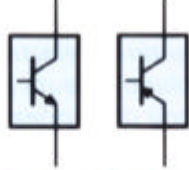







E GLOSSARY OF TERMS AND SYMBOLS

| | |
|---|---|
|  <p>BATTERY Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.</p> | <p>HEADLIGHTS</p> <p>1. SINGLE FILAMENT</p> <p>Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament.</p>  <p>2. DOUBLE FILAMENT</p>  |
| <p>CAPACITOR (Condenser) A small holding unit for temporary storage of electrical voltage.</p>  | |
| <p>CIGARETTE LIGHTER An electric resistance heating element.</p>  | <p>HORN An electric device which sounds a loud audible signal.</p>  |
| <p>CIRCUIT BREAKER Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.</p>  | <p>IGNITION COIL Converts low-voltage DC current into high-voltage ignition current for firing the spark plugs.</p>  |
| <p>DIODE A semiconductor which allows current flow in only one direction.</p>  | |
| <p>DIODE, ZENER</p>  <p>A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.</p> | <p>LIGHT Current flow through a filament causes the filament to heat up and emit light.</p>  |
| <p>DISTRIBUTOR, IIA Channels high-voltage current from the ignition coil to the individual spark plugs.</p>  | <p>LED (LIGHT EMITTING DIODE) Upon current flow, these diodes emit light without producing the heat of a comparable light.</p>  |
| <p>FUSE A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.</p>  <p>FUSIBLE LINK A heavy-gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit. The numbers indicate the cross-section surface area of the wires.</p>  <p>(for Medium Current Fuse)</p>  <p>(for High Current Fuse or Fusible Link)</p> | <p>METER, ANALOG Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.</p>  |
| | <p>METER, DIGITAL Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.</p>  |
| <p>GROUND The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.</p>  | <p>MOTOR A power unit which converts electrical energy into mechanical energy, especially rotary motion.</p>  |

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|---|---|
| <p>RELAY</p>  <p>1. NORMALLY CLOSED</p> <p>2. NORMALLY OPEN</p> <p>Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.</p> | <p>SPEAKER</p>  <p>An electromechanical device which creates sound waves from current flow.</p> |
| <p>RELAY, DOUBLE THROW</p>  <p>A relay which passes current through one set of contacts or the other.</p> | <p>SWITCH, MANUAL</p>  <p>1. NORMALLY OPEN</p>  <p>2. NORMALLY CLOSED</p> <p>Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.</p> |
| <p>RESISTOR</p>  <p>An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.</p> | <p>SWITCH, DOUBLE THROW</p>  <p>A switch which continuously passes current through one set of contacts or the other.</p> |
| <p>RESISTOR, TAPPED</p>  <p>A resistor which supplies two or more different non adjustable resistance values.</p> | <p>SWITCH, IGNITION</p>  <p>A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.</p> |
| <p>RESISTOR, VARIABLE or RHEOSTAT</p>  <p>A controllable resistor with a variable rate of resistance. Also called a potentiometer or rheostat.</p> | <p>SWITCH, WIPER PARK</p>  <p>Automatically returns wipers to the stop position when the wiper switch is turned off.</p> |
| <p>SENSOR (Thermistor)</p>  <p>A resistor which varies its resistance with temperature.</p> | <p>TRANSISTOR</p>  <p>A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at "base".</p> |
| <p>SENSOR, SPEED</p>  <p>(Reed Switch Type)</p> <p>Uses magnetic impulses to open and close a switch to create a signal for activation of other components.</p> | <p>WIRES</p> <p>(1) NOT CONNECTED</p>  <p>Wires are always drawn as straight lines on wiring diagrams. Crossed wires (1) without a black dot at the junction are not joined;</p> <p>(2) SPliced</p>  <p>crossed wires (2) with a black dot or octagonal (O) mark at the junction are spliced (joined) connections.</p> |
| <p>SHORT PIN</p>  <p>Used to provide an unbroken connection within a junction block.</p> | |
| <p>SOLENOID</p>  <p>An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.</p> | |