Electrical Circuit Diagrams
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How to Use the Circuit Diagrams

All of the information in this folder is intended for use with the Electrical Reference Library booklet.

The circuit diagrams are presented with Power and Earth distribution first, followed by individual circuits for each electrical system on the car.

### Power Distribution

The Power Distribution diagram shows the connections from the battery to the engine and passenger compartment fuseboxes. It also shows the internal circuitry of the fuseboxes.

#### Splices and centre taps

Header and splice tables present the joint(s) and wiring up to the first component. Splices are identified by a number with an alphabetical prefix and the wire colour.

The splice information shown on individual system circuits is not complete. Always refer to the splices circuit for complete information on each splice.

#### Wire length (Power & Earth Distribution only)

The length of the wire in millimetres. This can be used to locate internal harness splices; look for the shortest wire between the joint and connector. For example, it can be seen that C574-4 is 150mm from joint A82.

#### Connectors

Header joints are identified by their corresponding connector number with a numbered suffix to indicate the pin-out detail of the wire, i.e. C289-1 identifies connector 289, pin number 1. Wire insulation colour is identified in the normal way. Where wires have a predominant colour with a secondary colour stripe, the main colour is identified first, i.e. LGS - Light Green with a Slate stripe.

#### Line Types

- **HEATED REAR SCREEN RELAY (R138)**
  - This means the wire connects to another circuit.

  A. Plug on lead (Flylead) wired directly to the component.
  B. Connector plugs directly into component.

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Earth Distribution

The ground distribution section comprises a number of Headers and Splices tables. These are used in a similar manner to those in Power Distribution; to narrow the search area by checking for fault symptoms in associated circuits.
HOW TO USE THE CIRCUIT DIAGRAMS

Components

Earth points

Fuses and Diodes

The name or description of the component is shown. A dotted outline indicates that the component is not shown in its entirety.

Earth points are identified with an eyelet symbol and a connector number, except where components are grounded through their fixings, when only the eyelet is shown.

Fusible links (A) and current rated fuses (B) are identified as shown. The direction of the arrow in a Diode symbol (C) indicates the direction of current flow. The Zener diode (D) prevents current flow until a precise voltage is reached.
ANTI-LOCK BRAKING SYSTEM (ABS)

Discovery series II (LHD)
EXTERIOR LAMPS

- Direction indicator lamps
- Hazard warning

Discovery series II (LHD)

Diagram showing wiring connections and components such as:
- Headlight (A101)
- Tail light (A114)
- Headlight (A100)
- Tail light (A115)
- Switch - Ignition (S176)
- Switch - Direction Indicator (S105)
- Switch - Hazard Warning (S121)
- Fuse box - Engine Compartment (P108)
- Fuse box - Passenger Compartment (P101)
- Instrument Pack (J100)
- Body Control Unit (BCU) (D162)
- IDM (D176)
- Trailer Pick Up (P124)

Components and wiring connections are detailed with various symbols and labels, indicating power flow and connections.
EXTERIOR LAMPS

Brake and reverse lamps