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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.

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.

Wire attributes
Additional information (separated by a ‘;’) is shown alongside the wire colour:
Wire gauge - the cross-sectional area of the wire in square millimetres. This is included to help you select the correct wire during harness repair.
Some wires do not have a gauge shown, these wires are of unique construction and will have a three or four letter code printed after the colour code, eg MAB. The code identifies the type of wire for manufacturing purposes. Usually, only the first two characters have significance in service, but in some instances the third character also becomes significant, see Wire Type information given below.

Headers and Splices
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 splice circuits 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.

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.

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.
HOW TO USE THE CIRCUIT DIAGRAMS

**Line Types**

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

**Components**

- HEATED REAR SCREEN RELAY (R138)
- TAIL LAMP-LH (A115)
- C404-1
- C404-2
- 21 WATT

**Components**

- The cup and ball symbol indicates the male and female halves of connector.
- A. Plug on lead (Flylead) wired directly to the component.
- B. Connector plugs directly into component.

**Earth points**

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

**Earth points**

- 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.
SELF LEVELING AND ANTI-LOCK BRAKING SYSTEM (SLABS)
SELF LEVELING AND ANTI-LOCK BRAKING SYSTEM (SLABS)
SELF LEVELING AND ANTI-LOCK BRAKING SYSTEM (SLABS)
ANTI-LOCK BRAKING SYSTEM (ABS)
EXTERIOR LAMPS
DIRECTION INDICATOR/HAZARD WARNING LAMPS

BATTERY (P100)
FUSE BOX-ENGINE COMPARTMENT (P106)
FUSE BOX-PASSENGER COMPARTMENT (P105)
IDM (D178)
BODY CONTROL UNIT (BCU) (D162)
SWITCH-IGNITION (S176)
SWITCH-HAZARD WARNING (S121)
SWITCH-DIRECTION INDICATOR (S105)
TRAILER PICK-UP (P124)
INSTRUMENT PACK (J100)
HEADER 0286 (K109)
HEADER 0288 (K109)
HEADER 0290 (K109)
HEADER 0289 (K109)
HEADER 0288 (K109)
HEADER 0289 (K109)
HEADER 0293 (K109)
HEADER 0723 (K109)
HEADER 0724 (K109)
HEADER 0723 (K109)
HEADER 0289 (K109)
HEADER 0705 (K108)
HEADER 0706 (K108)
HEADER 0707 (K108)
HEADER 0705 (K108)
HEADER 0707 (K108)
HEADER-EARTH (K108)
HEADER 0295 (K109)
HEADER 0293 (K109)
FUSE BOX-PASSENGER COMPARTMENT (P105)
INSTRUMENT PACK (J100)
HEADER 0286 (K109)
HEADER 0288 (K109)
HEADER 0290 (K109)
HEADER 0289 (K109)
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HEADER 0289 (K109)
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SPLICES AND CENTRE TAPS

DISCOVERY SERIES II 2000MY (LHD)

INSTRUMENT PACK (J100)

SWITCH-WASHER-REAR SCREEN (S114)

SWITCH-HEATED REAR SCREEN (S120)

MOTOR-MODE-AIR TEMPERATURE-LH (M200)

SENSOR-TEMPERATURE-HEATER COOLANT (T210)

HEADER 0759 (K109)

SWITCH-CRUISE CONTROL (D134)

ECU-AIR TEMPERATURE SENSOR-HEATER COOLANT (T165)

ECU-AIR TEMPERATURE HEATER COOLANT (T210)

FUEL INJECTOR NO. 5 (T177)

FUEL INJECTOR NO. 8 (T179)

FUEL INJECTOR NO. 4 (T175)

FUEL INJECTOR NO. 3 (T174)

FUEL INJECTOR NO. 1 (T172)

FUSE BOX-ENGINE COMPARTMENT (P106)

SUPPRESSOR-IDLE SOLENOID (G157)

ENGINE CONTROL MODULE (ECM) (D131)

IDLE AIR CONTROL VALVE (ACV) (M154)

SWITCH-WIPER REAR (S116)

HEADER 0759 (K109)

SWITCH-CRUISE CONTROL (D134)

SWITCH-FOG GUARD FRONT SCREEN (S241)

SWITCH-FOG LAMP-FRONT (S261)

HEADER 0759 (K109)

SENSOR-EVAPORATOR (T166)

SENSOR-TEMPERATURE-HEATER COOLANT (T210)

ECU-ACTIVE CORNERING ENHANCEMENT (ACE) (D194)

BLOCK-VALVE (ACE) (D194)

MOTOR-MODE-AIR DISTRIBUTION (M142)

MOTOR-MODE-AIR TEMPERATURE-LH (M200)

SENSOR-EVAPORATOR (T166)

SENSOR-Temperature HEATER COOLANT (T210)

ECU-ACTIVE CORNERING ENHANCEMENT (ACE) (D191)

ENGINE-COMPARTMENT-ECM (D131)

VENT (M142)

VENT (M142)

CONTROL (ATC)

CONTROL (ATC)

ENGINE-CONTROL ENHANCEMENT (ACE) (D191)

ENGINE-CONTROL ENHANCEMENT (ACE) (D194)

ENGINE-COMPARTMENT-ECM (D131)

VENT (M142)

CONTROL (ATC)

ENGINE-CONTROL ENHANCEMENT (ACE) (D191)

ENGINE-CONTROL ENHANCEMENT (ACE) (D194)

ENGINE-COMPARTMENT-ECM (D131)

CURRENT 0,5,155

CURRENT 0,5,580

CURRENT 0,5,450

CURRENT 0,5,350

CURRENT 0,5,170

CURRENT 1,0,560

CURRENT 1,0,1010

CURRENT 1,0,525

CURRENT 1,0,430

CURRENT 1,0,485

CURRENT 1,0,1545

CURRENT 1,0,600

CURRENT 1,0,635

CURRENT 1,0,525

CURRENT 1,0,525

CURRENT 1,0,430

CURRENT 1,0,485

CURRENT 1,0,1545

CURRENT 1,0,600

CURRENT 1,0,635