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## Electrical Wiring Diagrams

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# DEFENDER (LHD)

(1a) VIN: 412051 >

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BY APPOINTMENT TO  
HER MAJESTY QUEEN ELIZABETH II  
MANUFACTURERS OF LAND ROVER VEHICLES  
LAND ROVER, WARWICK



BY APPOINTMENT TO  
HIS ROYAL HIGHNESS THE DUKE OF EDINBURGH  
MANUFACTURERS OF LAND ROVER VEHICLES  
LAND ROVER, WARWICK



BY APPOINTMENT TO  
HIS ROYAL HIGHNESS THE PRINCE OF WALES  
MANUFACTURERS OF LAND ROVER VEHICLES  
LAND ROVER, WARWICK

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## **PREFACE**

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While every effort is made to ensure accuracy, design changes to the vehicle may be made in the period between the completion of this publication and the introduction of vehicles.

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## ABBREVIATIONS

.....	vii
-------	-----

## USING THIS PUBLICATION

Health and safety .....	viii
Using this publication .....	viii
Section numbering .....	ix
Circuit sheet numbering .....	ix
Understanding the circuit diagrams .....	ix

## 206-09 - ANTI-LOCK CONTROL

.....	1
-------	---

## 303-06 - STARTING SYSTEM

.....	3
-------	---

## 303-14A - ELECTRONIC ENGINE CONTROLS - D4

.....	5
-------	---

## 310-01 - FUEL TANK AND FUEL LINES

.....	10
-------	----

## 412-01 - CLIMATE CONTROL

.....	12
-------	----

## 412-02 - AUXILIARY CLIMATE CONTROL

Non air conditioning .....	14
Heated windshield .....	15
Heated rear window .....	16

## 413-00 - INSTRUMENT CLUSTER AND PANEL ILLUMINATION

.....	17
-------	----

## 413-01 - INSTRUMENT CLUSTER

.....	19
-------	----

## 413-06 - HORN

.....	21
-------	----

## 413-07 - CLOCK

.....	22
-------	----

## 414-01 - BATTERY, MOUNTING AND CABLES

Battery junction box .....	23
Header joints .....	30
Ground distribution .....	35

## 415-00 - INFORMATION AND ENTERTAINMENT SYSTEM

.....	41
-------	----

## 417-01 - EXTERIOR LIGHTING

Head/Side lamps .....	42
Headlamp levelling .....	45
Stop and reverse lamps .....	46
Turn signal indicators and hazard flashers .....	48
Rear fog guard lamps .....	50
Trailer socket .....	52

## 417-02 - INTERIOR LIGHTING

.....	54
-------	----

## 418-00 - MODULE COMMUNICATIONS NETWORK

.....	56
-------	----

## 419-01 - ANTI-THEFT SYSTEM

Passive .....	57
Active .....	58

---

<b>501-10 - SEATING</b>	
Heated - front .....	61
<b>501-11 - GLASS, FRAMES AND MECHANISMS</b>	
Window lift .....	62
<b>501-12 - INSTRUMENT PANEL AND CONSOLE</b>	
Cigar lighter .....	63
<b>501-16 - WIPERS AND WASHERS</b>	
Front .....	64
Rear .....	66

Abbreviation	Description
ABS	Anti-lock braking system
ADRC	Adaptive damping
AFS	Adaptive front lighting system
AUTO	Automatic transmission
CAN	Controller area network
DAB	Digital audio broadcasting
DSC	Dynamic stability control
D4	Diesel engine - Straight-four
DV6	Diesel engine - V6
DV8	Diesel engine - V8
EGR	Exhaust gas recirculation
FBH	Fuel burning heater
FET	Field effect transistor
GPS	Global positioning system
HS CAN	High speed controller area network bus
IC	Instrument cluster
IP	Instrument panel
PV6	Petrol engine - V6
PV8	Petrol engine - V8
PV8NA	Naturally aspirated engine - V8
PV8SC	Super charged engine - V8
LH	Left-hand
LIN	Local interconnect network
MAF/IAT	Mass air flow / intake air temperature
IBOC	In band on channel
MS CAN	Medium speed controller area network bus
NAS	North American specification
PDC	Park distance control
RH	Right-hand
SAI	Secondary air injection
SCL	Steering column locking
SDARS	Satellite digital audio receiver system
TCM	Traction control module
TPMS	Tire pressure monitoring system
TSD	Touch screen display
ULEV	Ultra low emission vehicle
USB	Universal serial bus
VICS	Vehicle information control system

# USING THIS PUBLICATION

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## **Health and safety**

Always follow health and safety guidelines, specifically those detailed in the Workshop Manual.

## **Using this publication**

The information provided in this publication is for use only by competent, qualified auto-electricians. Good product knowledge is assumed, as well as the ability to access and use recommended test equipment and other reference material provided.

### ***Test equipment and other reference material***

The information in this publication should be used in conjunction with the recommended test equipment; refer to Workshop Manual. Other reference material includes: Technical Service Bulletins (TSB) and the Workshop Manual.

The Electrical Reference Library (ERL) may also prove useful since it provides detailed connector information.

### ***Battery disconnection and reconnection***

It is imperative that any information relating to battery disconnection and reconnection is followed; refer to the appropriate sections in the Workshop Manual.

### ***Fault Diagnosis***

Always use the recommended test equipment for correct and reliable fault diagnosis, refer to the Workshop Manual.

### ***Harness Repair***

Repairs should only be undertaken for connectors where a Service Repair Kit is available; refer to the appropriate Electrical Reference Library (ERL).

**Note:** Fibre Optic circuits cannot be repaired; refer to the Workshop Manual.

























































































































































