## LAND ROVER

## Range Rover

1987 to 1989

Electrical **Fuel** Ignition

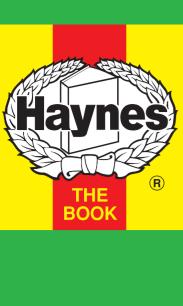
Running gear

settings

Torque

Capacities

Notes & Illustrations



Engine &

Cooling

Automotive Technical

make another choice, click anywhere on the data screen. **MENU HELP** Range Rover 1987 to 1989

Click on one of the buttons above to view data for this car. To return to this screen and

**V8** 

80

FL

88

1.04

700 to 800

≤0.5 N/A

≤200

SU

1050 to 1150

0.100 / BGD

0.28 to 0.41

Electronic

0.71 to 0.81

[0.20 to 0.36]

Clockwise

NV

≤6±1 BTDC @ 750

5 to 9 @ 2000

12 to 16 @ 2900

11 to 18 @ 5600

Lucas

94[R]

2x HIF44 / FZX 2006

Lucas 2CE or 32C5

Range Rover

bar

bar

°C

mm

mm

°C

bar

rpm

rpm

ppm

%

% %

bar

° (%)

μF

3528 / 8

 $9.35 / \geq 9.3$ 

[2.1 to 2.8]

1-8-4-3-6-5-7-2

Range Rover

0: Hyd.

0: Hyd.

1987 to 1989

1987 to 1989

## Oil pressure Oil temperature

**Engine and cooling system** 

Capacity (cm<sup>3</sup>) / number of cylinders

Compression ratio / pressure

Valve clearance - inlet learance - exhaust Firing order

No 1 cylinder position Thermostat opening temperature Radiator cap pressure Fuel system Idle speed - manual [auto]

Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see page VI HC @ idle speed [3000 rpm] - see page VI CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI

Carburettor / fuel injection Type / ref Main jet / needle

Injection pressure Pump pressure Octane rating **Ignition system** Type Ignition coil

Primary resistance Ballast resistor Voltage - Tmnl 15(+) to earth Distributor Points gap (air gap) Dwell angle

Condenser capacity Rotation Ignition timing - basic [static V = Vacuum NV = No Vacuum Total ignition advance

Vacuum range check Maximum vacuum advance Spark plugs Type Electrode gap **Electrical system** 

Centrifugal check.

Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking Running gear Brakes -

**Battery** 

Front (min. friction material thickness) Rear (min. friction material thickness) **Tyres** Saloon Estate / Van Pressure - front / rear - Saloon

Front suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber Castor King pin inclination Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-) Camber **Torque wrench settings** Cylinder head - stage 1 - stage 2

Cylinder head - stage 3 - stage 4 Big-end bearings

Main bearings Clutch cover Flywheel [driveplate] Front hubs Rear hubs

Wheel nuts / bolts

Spark plugs

**Capacities** 

Engine oil & filter Gearbox - 4-speed [5-speed] Automatic transmission - refill Final drive Cooling system Fuel tank

**Notes and Illustrations** 

<sup>2</sup>Alloy: 122 to 129

<sup>1</sup>No 1 to 4: 68 to 75. Others: 88 to 95

3528 cm<sup>3</sup>

bar RON ohms ohms ٧ mm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm mbar ° Crankshaft mm

V / CC / RC

- locked

- Estate / Van

A/V

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres

litres

litres

2: CO / Mixture

H.19166

1: Idle speed

Champion RN9YCC 0.85 to 0.95 A/V

-1.2 to -2.4

+3°

+7°

Range Rover 205x16: 215/75x16 1.7 / 2.4

Range Rover

No 1 to 10: 88 to 95

No11 to 14: 54 to 61

47 to 54

24 to 30

74 to 81

41 to 52

41 to 52

5.7

11.3 80

Steel: 102 to 115<sup>2</sup>

2.7. Transfer:2.5

9.1 Transfer: 2.5

Front & rear: 1.7

Range Rover

Range Rover 12 / 210 / 85 or / 380 / 120 13.6 to 14.4 / \_ / 3000

1987 to 1989

1987 to 1989

1987 to 1989

1987 to 1989

## 3528 cm<sup>3</sup> SU HIF 44