MERCEDES-BENZ

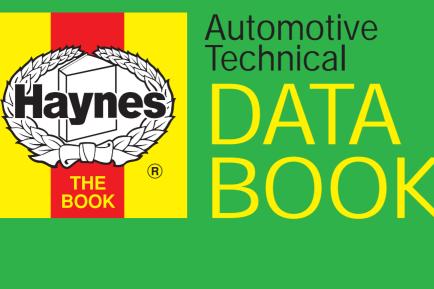
300SL (107.041)

1986 to 1989

Notes &

Illustrations

Engine & Running Torque Electrical Capacities **Fuel** Ignition Cooling gear settings



data for this car. To return to this screen and make another choice, click anywhere on the data screen. **MENU HELP**

Click on one of the buttons above to view

Oil pressure	
Oil temperature	

Engine and cooling system

Capacity (cm³) / number of cylinders

Compression ratio / pressure

Valve clearance - inlet clearance - exhaust

O2 @ idle speed [3000 rpm] - see page VI

Thermostat opening temperature Radiator cap pressure Fuel system

No 1 cylinder position

Firing order

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

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 Centrifugal check. Vacuum range check Maximum vacuum advance

Electrode gap **Electrical system Battery** Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking

Spark plugs

Type

Running gear Brakes -Front (min. friction material thickness) Rear (min. friction material thickness)

Tyres Saloon Estate / Van Pressure - front / rear - Saloon

Camber

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

Toe-in (+) / Toe-out (-)

Front suspension / wheel alignment

Torque wrench settings Cylinder head - stage 1 - stage 2

Cylinder head - stage 3

Engine oil & filter

Cooling system

Final drive

Fuel tank

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

- stage 4 Big-end bearings Main bearings Clutch cover

Flywheel [driveplate] Front hubs Rear hubs

Wheel nuts / bolts Spark plugs **Capacities**

Notes and Illustrations

2960 cm³ 2

H.20390

KE-Jetronic

2960 cm³, alternative

H.20389 **KE-Jetronic**

IGN 2960 cm³

300SL (107.041) 103.982 2960 / 6

 $9.2 / \ge 8.5$

0.3 [3.0]

0: Hyd.

0: Hyd.

F

87±2

1.2±0.1

600 to 700

≤1200

Bosch

≥3.0

EZL

Bosch

Battery

Bosch

NV

5.3 to 5.5

95[E 95 RON]

bar

bar

°C

mm

mm

°C

bar

rpm

rpm

ppm

%

% %

bar

bar

RON

ohms

ohms

٧

mm

μF

° (%)

mbar

mm

A/V

A/V

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres litres

litres

° Crankshaft

V / CC / RC

- locked

- Estate / Van

° Crankshaft @ rpm

° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

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

1986 to 1989

1-5-3-6-2-4 300SL (107.041)

1986 to 1989 1.0±0.5 [0.1 to 0.8]

CIS-E (KE-Jetronic) 300SL (107.041) 1986 to 1989

0.3 to 0.6 1 to 30 @ starter speed 27 to 31 BTDC @ 3200 6 to 11 BTDC @ idle 40 to 44 BTDC @ 3200

Computer control Computer control Bosch/Champion H7DC / S9YC 0.80 300SL (107.041) 1986 to 1989 12 / 190 / 62Ah 13.0 to 14.5 / _ / 3000 650 to 840 / 3.8

300SL (107.041) 1986 to 1989 2.0 2.0 205/65x15

2.0 / 2.4

+10°30′±30′

[+10' to 35']

300SL (107.041)

1986 to 1989

 $-1^{\circ}45'\pm30'$

70

25

WSM

110

20

6.0

1.5

6.2

1.0

8.0

85

+ 90°

+ 90°

30 + 90 to 100°

55 + 90 to 100°

 $3 + 90 \text{ to } 100^{\circ}$

 $[+20'\pm10']$ -10'+10'-20'

> 300SL (107.041) 1986 to 1989

2: CO / Mixture 1: Idle speed