1989 to 1992

Engine & **Fuel** Ignition Cooling

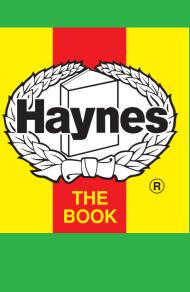
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical

make another choice, click anywhere on the data screen. **MENU HELP** Swift SF 416i & 4x4 CAT 1989 to 1992

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

G16B SOHC 16V

1590 / 4

8.9 / 10.8

85

[3.5 to 4.3]

0.08 to 0.12

0.08 to 0.12

Swift SF 416i & 4x4 CAT

800±50 [900±50]

SPI with ECM control

Swift SF 416i & 4x4 CAT

1-3-4-2

82 or 88

TBE

0.88

≤1200

Suzuki

1.6 to 2.1

Electronic¹

1.08 to 1.32

Nippon Denso

95[U]

0.20

bar

bar

°C

mm

mm

°C

bar

rpm

rpm

ppm

%

% %

bar

bar

RON

ohms ohms

٧

mm ° (%)

μF

° Crankshaft @ rpm

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

° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

1989 to 1992

1989 to 1992

Oil pressure Oil temperature

Engine and cooling system

Capacity (cm³) / number of cylinders

Compression ratio / pressure

Valve clearance - inlet - 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 Dwell angle

Points gap (air gap) Condenser capacity Rotation Ignition timing - basic [static V = Vacuum NV = No Vacuum Total ignition advance

Centrifugal check. Vacuum range check Maximum vacuum advance Spark plugs

Electrode gap

Type

Electrical system Battery Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking Running gear

Brakes -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

Capacities

Final drive

Fuel tank

Engine oil & filter

Cooling system

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

Cylinder head - stage 1 - stage 2 - stage 3 - stage 4

Big-end bearings Main bearings Clutch cover

Flywheel [driveplate] Front hubs Rear hubs Wheel nuts / bolts Spark plugs

Notes and Illustrations ¹ESA (electronic spark advance)

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

1590 cm³, 16V

1: Idle speed

locked

- Estate / Van

mm mm Size Size bar

V/CC/RC A/V A/V

mm [°]

mm [°]

Nm

litres

litres

litres

litres

litres

litres

mm

mbar

^o Crankshaft

2.8 bar

165/65x14 Refer to decal on car

-2.0 to +2.0

+12°55′±3°

65 to 70

33 to 37

50 to 57

18 to 28

57 to 65 150 to 200

50 to 70

20 to 30

3.3

2.0

4.9

40

4x4: 1.1

150 to 200

2.2. 4x4: 4.5

+0±1° $+3^{\circ}\pm2^{\circ}$

NV

Clockwise 5±1 BTDC @ idle

Electronic control

Electronic control NGK/Champion BKR6E / RC9YCC 0.70 to 0.80 Swift SF 416i & 4x4 CAT 12 / 28 or 38Ah

14.2 to 14.8 / _ / 2500

230 to 270 / 8.7 to 9.5 310 to 600 / 2.5 to 7.7 Swift SF 416i & 4x4 CAT 8.0 with backing

1989 to 1992

1989 to 1992

Swift SF 416i & 4x4 CAT 1989 to 1992

Swift SF 416i & 4x4 CAT 1989 to 1992

2: CO / Mixture

Suzuki SPi

H.19397 1590 cm³

20° 10° 0°