

Engine & Cooling

Fuel

Ignition

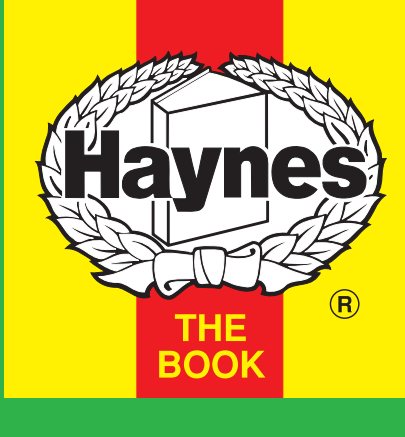
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling systemSwift 1.3i CAT1992 to 1997

Type		G13BA SOHC 8V 50kW
Capacity (cm³) / number of cylinders		1298 / 4
Compression ratio / pressure	bar	9.5 / 13.7
Oil pressure	bar	[3.0 to 4.1]
Oil temperature	°C	85
Valve clearance - inlet	mm	0.13 to 0.18
- exhaust	mm	0.16 to 0.20
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82 or 88
Radiator cap pressure	bar	0.90

Fuel systemSwift 1.3i CAT1992 to 1997

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—Suzuki
Type / ref		SPI
Main jet / needle		—
Injection pressure	bar	0.90
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemSwift 1.3i CAT1992 to 1997

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.33 to 1.63
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Nippon Denso
Points gap (air gap)	mm	[0.20 to 0.40]
Dwell angle	° (%)	Electronic control
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±1 BTDC @ 850±50
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical systemSwift 1.3i CAT1992 to 1997

Battery	V / CC / RC	12 / 38Ah
Alternator voltage / full load current / engine rpm		14.2 to 14.8 / 50 / 3000
Starter motor current / voltage - cranking	A / V	230 to 300 / 7.7 to 9.5
- locked	A / V	310 to 780 / 2.5 to 7.7

Running gearSwift 1.3i CAT1992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	8.0
Rear (min. friction material thickness)	mm	3.0

Tyres		
Saloon	Size	155/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-2.0 to +2.0
Camber		+0±1°
Castor		+3°±2°
King pin inclination		+12°55'±3°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0
Camber		—

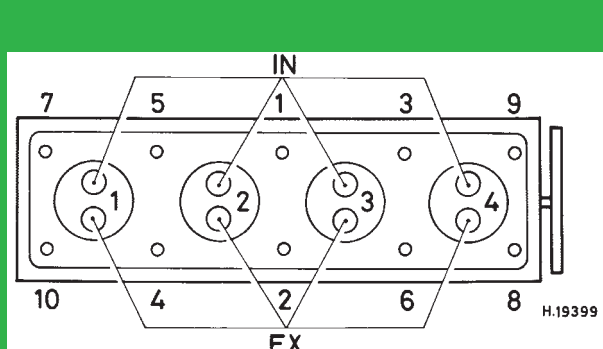
Torque wrench settingsSwift 1.3i CAT1992 to 1997

Cylinder head - stage 1	Nm	70 to 75
- stage 2	Nm	—
- stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	33 to 37
Main bearings	Nm	50 to 57
Clutch cover	Nm	18 to 28
Flywheel [driveplate]	Nm	68 to 72
Front hubs	Nm	150 to 200
Rear hubs	Nm	80 to 120
Wheel nuts / bolts	Nm	50 to 70
Spark plugs	Nm	25 to 30

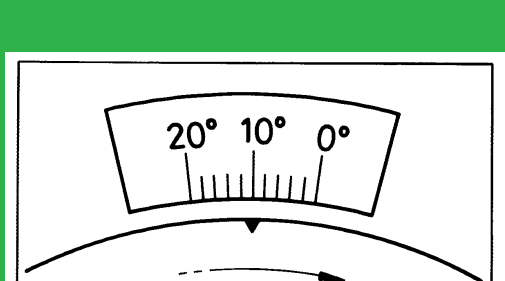
CapacitiesSwift 1.3i CAT1992 to 1997

Engine oil & filter	litres	3.6
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	4.8
Fuel tank	litres	40

Notes and Illustrations



1298 cm³, 8V



1298 cm³, 8V