

Engine & Cooling

Fuel

Ignition

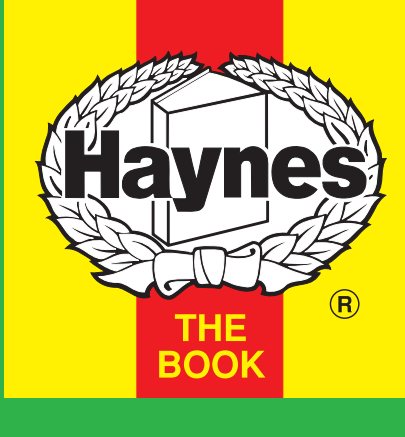
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling systemSwift 1.0i CAT1991 to 1997

Type		G10A SOHC 6V 39kW
Capacity (cm ³) / number of cylinders		993 / 3
Compression ratio / pressure	bar	9.5 / 13.7
Oil pressure	bar	[2.7 to 3.7]
Oil temperature	°C	85
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-3-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	88±2.8
Radiator cap pressure	bar	0.90

Fuel systemSwift 1.0i CAT1991 to 1997

Idle speed - manual [auto]	rpm	800±50 [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 to 1.40
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemSwift 1.0i CAT1991 to 1997

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.33 to 1.63
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
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 @ idle
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 1.0i CAT1991 to 1997

Battery	V / CC / RC	12 / 28, 38Ah
Alternator voltage / full load current / engine rpm		14.2 to 14.8 / 50 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearSwift 1.0i CAT1991 to 1997

Brakes -		
Front (min. friction material thickness)	mm	8.0
Rear (min. friction material thickness)	mm	2.8

Tyres		
Saloon	Size	155/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±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		—

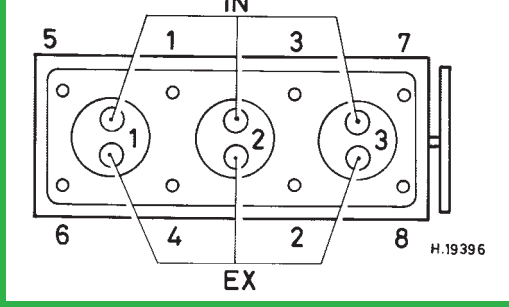
Torque wrench settingsSwift 1.0i CAT1991 to 1997

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

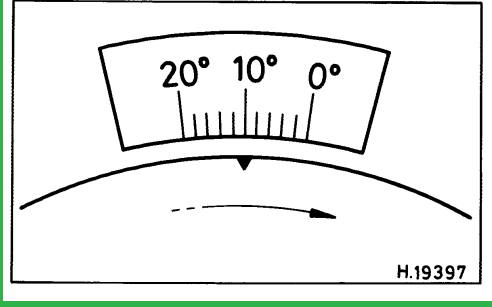
CapacitiesSwift 1.0i CAT1991 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	3.9. AT: 4.0
Fuel tank	litres	40

Notes and Illustrations



993 cm³



993 cm³