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 system — Swift SF 416i & 4x4 — 1989 to 1992

Type		G16B SOHC 16V
Capacity (cm³) / number of cylinders		1590 / 4
Compression ratio / pressure	bar	8.9 / 10.8
Oil pressure	bar	[3.5 to 4.3]
Oil temperature	ºC	85
Valve clearance - inlet	mm	0.08 to 0.12
- exhaust	mm	0.08 to 0.12
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	ºC	82 or 88
Radiator cap pressure	bar	0.88

Fuel system — Swift SF 416i & 4x4 — 1989 to 1992

Idle speed - manual [auto]	rpm	800±50 [900±50]
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Suzuki
Type / ref		SPI with ECM control
Main jet / needle		_
Injection pressure	bar	1.6 to 2.1
Pump pressure	bar	_
Octane rating	RON	95[E 95 RON]

Ignition system — Swift SF 416i & 4x4 — 1989 to 1992

Type		Electronic¹
Ignition coil		_
Primary resistance	ohms	1.08 to 1.32
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Nippon Denso
Points gap (air gap)	mm	0.20
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	º Crankshaft @ rpm	5±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Electronic control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Electronic control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		NGK/Champion
Type		BKR6E / RC9YCC
Electrode gap	mm	0.70 to 0.80

Electrical system — Swift SF 416i & 4x4 — 1989 to 1992

Battery	V / CC / RC	12 / 28 or 38Ah
Alternator voltage / full load current / engine rpm		14.2 to 14.8 / _ / 2500
Starter motor current / voltage - cranking	A / V	230 to 270 / 8.7 to 9.5
- locked	A / V	310 to 600 / 2.5 to 7.7

Running gear — Swift SF 416i & 4x4 — 1989 to 1992

Brakes -		
Front (min. friction material thickness)	mm	8.0 with backing
Rear (min. friction material thickness)	mm	2.8
Tyres		
Saloon	Size	165/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	Refer to decal on car
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	-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 [º]	_
Camber		_

Torque wrench settings — Swift SF 416i & 4x4 — 1989 to 1992

Cylinder head - stage 1	Nm	65 to 70
- 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	57 to 65
Front hubs	Nm	150 to 200
Rear hubs	Nm	150 to 200
Wheel nuts / bolts	Nm	50 to 70
Spark plugs	Nm	20 to 30

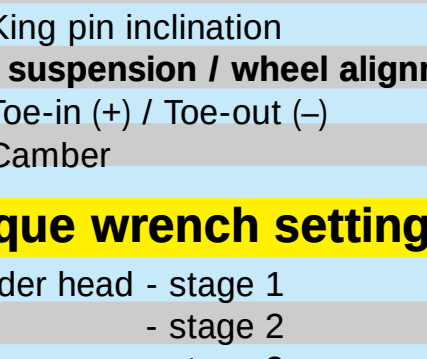
Capacities — Swift SF 416i & 4x4 — 1989 to 1992

Engine oil & filter	litres	3.3
Gearbox - 4-speed [5-speed]	litres	2.2. 4x4: 4.5
Automatic transmission - refill	litres	2.0
Final drive	litres	4x4: 1.1
Cooling system	litres	4.9
Fuel tank	litres	40

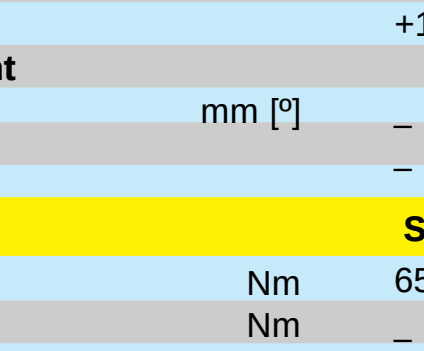
Notes and Illustrations

[1]**ESA (electronic spark advance)**

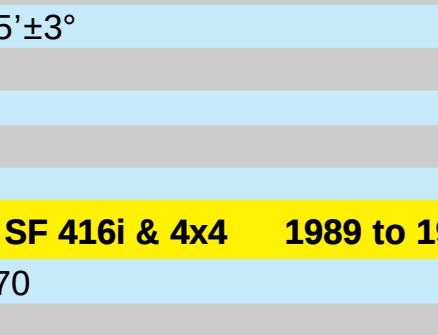
1: Idle speed 2: CO / Mixture



1590 cm³



1590 cm³



Suzuki SPi