



1986 to 1994

Type		Z20S SOHC
Capacity (cm ³) / number of cylinders		1952 / 4
Compression ratio / pressure	bar	8.5 / ≥ 9.0
Oil pressure	bar	[2.9 to 3.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.30 H
- exhaust	mm	0.30 H
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.78 to 1.00

1986 to 1994

Idle speed - manual [auto]	rpm	650±50
Fast idle speed - manual [auto]	rpm	2600±100
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		Hitachi
Type / ref		DCR342-131
Main jet / needle		110, 160
Injection pressure	bar	
Pump pressure	bar	0.20 to 0.27*
Octane rating	RON	88(E 91 RON)

1986 to 1994

Type		Contact breaker - CIS
Ignition coil		Hanshin HP5-13E25
Primary resistance	ohms	1.4 to 1.7
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	0.45 to 0.55
Dwell angle	°	49 to 55
Condenser capacity	µF	0.20 to 0.24
Rotation		Anticlockwise
Ignition timing - basic [static V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	6±2 BTDc @ 650±50 NV
Total ignition advance	° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm	15±5 BTDC @ 650±50 — — — —
Centrifugal check.	° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm	0 @ 1300 — — —
Vacuum range check	mbar	21 @ 4600
Maximum vacuum advance	° Crankshaft	133 to 307
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.80 to 0.90

1986 to 1994

Battery	V / CC / RC	12 / 55 or 60Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 40, 50 / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5
- locked	A / V	

1986 to 1994

Brakes		2500 cc Pick-up (2017)	1500 cc 1974
Front (min. friction material thickness)	mm	2.0	-
Rear (min. friction material thickness)	mm	1.5	-
Tyres			
Saloon	Size	-	-
Estate / Van	Size	185x14	195x14
Pressure - front / rear - Saloon	bar	-	-
- Estate / Van	bar	1.8 / 2.2	-
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 4.0°	-
Camber		-5° to +55°	-
Castor		-8° to +52°	-
King pin inclination		+8°35' to 9°35'±	-
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	-	-
Camber		-	-

1986 to 1994

Cylinder head - stage 1	Nm	29
- stage 2	Nm	78
Cylinder head - stage 3	Nm	Loosen, then 29
- stage 4	Nm	+ 90 to 95°
Big-end bearings	Nm	37 to 45
Main bearings	Nm	44 to 54
Clutch cover	Nm	22 to 29
Flywheel (driveplate)	Nm	137 to 157
Front hubs	Nm	WSM
Rear hubs	Nm	147 to 196
Wheel nuts / bolts	Nm	118 to 147
Spark plugs	Nm	20 to 29

1986 to 1994

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	-
Final drive	litres	1.3
Cooling system	litres	8.0
Fuel tank	litres	60, 80

PAS: 0.15
 87 ►: +1.0 to 5.0. 90 ►: +3.0+1.0
 87 ►: -28' to +1'2". 90 ►: +17'+30'
 87 ►: -24' to +1'6". 90 ►: +21'+30'
 87 ►: +8'28" to 9'58". 90 ►: +9'13'+30'

Hitachi

