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 — Space Wagon — 1990 to 1991

Type		4G37-7
Capacity (cm³) / number of cylinders		1755 / 4
Compression ratio / pressure	bar	9.5 / ≥9.6
Oil pressure	bar	_
Oil temperature	ºC	_
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	ºC	88
Radiator cap pressure	bar	0.76 to 1.04

Fuel system — Space Wagon — 1990 to 1991

Idle speed - manual [auto]	rpm	750±50 [800±50]
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±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		Aisan
Type / ref		5ECB [5ENA] 2V
Main jet / needle		101, 165
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.24
Octane rating	RON	97[E 98 RON][1]

Ignition system — Space Wagon — 1990 to 1991

Type		Electronic
Ignition coil		E064
Primary resistance	ohms	1.08 to 1.32
Ballast resistor	ohms	1.22 to 1.49
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Mitsubishi
Points gap (air gap)	mm	[0.80]
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	º Crankshaft @ rpm	13±2 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	0 @ 1000
	º Crankshaft @ rpm	9 @ 2500
	º Crankshaft @ rpm	14 @ 6000
Vacuum range check	mbar	110 to 480
Maximum vacuum advance	º Crankshaft	20
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system — Space Wagon — 1990 to 1991

Battery	V / CC / RC	12 / 52Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.9 / _ / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	_

Running gear — Space Wagon — 1990 to 1991

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	_
Estate / Van	Size	165x13: 185/70x13
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	1.7 / 1.7
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	0±1.5
Camber		+25'±30'
Castor		+48'±30'
King pin inclination		+13°16'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	0
Camber		-67'

Torque wrench settings — Space Wagon — 1990 to 1991

Cylinder head - stage 1	Nm	70 to 75 C
- stage 2	Nm	80 to 85 H
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	32 to 35
Main bearings	Nm	50 to 55
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	200 to 260
Rear hubs	Nm	20 then 0 then 10
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	20 to 30

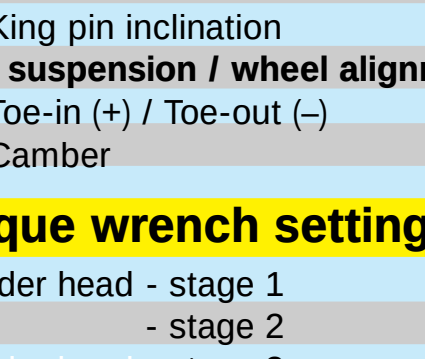
Capacities — Space Wagon — 1990 to 1991

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	5.8
Final drive	litres	WT
Cooling system	litres	6.3
Fuel tank	litres	50

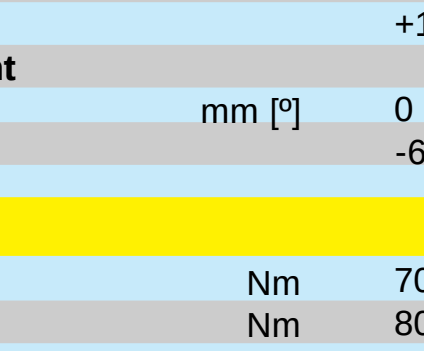
Notes and Illustrations

[1] **[E 95 RON]: retard ignition timing 2°**

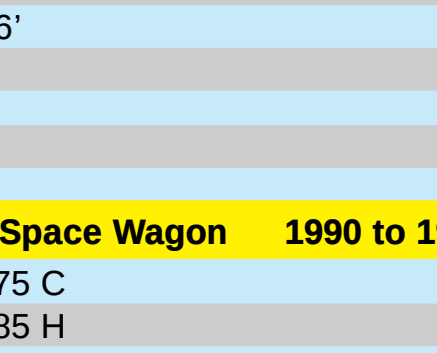
1: Idle speed 2: CO / Mixture



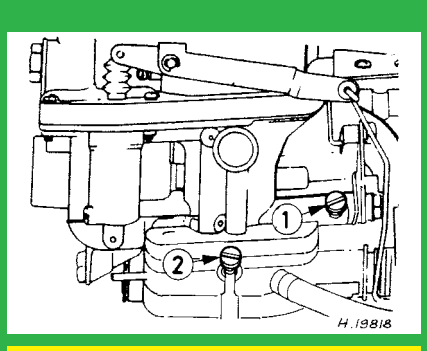
1755 cm³



1755 cm³



Aisan



Aisan, alternative