

Engine & Cooling

Fuel

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Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling systemPony 1.2 & Pick-up1982 to 1992

Type		4G36 or 4G12
Capacity (cm ³) / number of cylinders		1238 / 4
Compression ratio / pressure	bar	9.0 / 11.8
Oil pressure	bar	0.8
Oil temperature	°C	—
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.88±0.15

Fuel systemPony 1.2 & Pick-up1982 to 1992

Idle speed - manual [auto]	rpm	650 to 750
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	2.5±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		Changwon/Stromberg
Type / ref		Downdraught 2V
Main jet / needle		92.5, 190 [83 ►: 100, 140 ¹]
Injection pressure	bar	—
Pump pressure	bar	0.25 to 0.35
Octane rating	RON	97[E 95 RON]

Ignition systemPony 1.2 & Pick-up1982 to 1992

Type		Contact breaker - CIS
Ignition coil		LB815 or LB63 (ballast res)
Primary resistance	ohms	3.5 [1.4 with ballast res]
Ballast resistor	ohms	1.35
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	0.22±0.022
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5 BTDC @ 700
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000
	° Crankshaft @ rpm	10 to 14 @ 3000
	° Crankshaft @ rpm	22 @ 4400
Vacuum range check	mbar	80 to 480
Maximum vacuum advance	° Crankshaft	20
Spark plugs		NGK/Champion
Type		BPR5ES / RN12YC
Electrode gap	mm	0.70 to 0.80

Electrical systemPony 1.2 & Pick-up1982 to 1992

Battery	V / CC / RC	12 / 190 / 65
Alternator voltage / full load current / engine rpm		13.5 / _ / 2500
Starter motor current / voltage - cranking	A / V	400 / 6
- locked	A / V	—

Running gearPony 1.2 & Pick-up1982 to 1992

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	155x13
Estate / Van	Size	155x13
Pressure - front / rear - Saloon	bar	1.9 / 1.9 ²
- Estate / Van	bar	1.9 / 1.9 ³

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	+2.0 to 6.0
Camber		+1°±30'
Castor		+1°45'±30' [83 ►: ±45° ¹]
King pin inclination		+8°53'±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settingsPony 1.2 & Pick-up1982 to 1992

Cylinder head - stage 1	Nm	69 to 73 C
- stage 2	Nm	OR 79 to 83 H
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	32 to 34
Main bearings	Nm	49 to 53
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	113 to 122
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	69 to 79
Spark plugs	Nm	20 to 28

CapacitiesPony 1.2 & Pick-up1982 to 1992

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	1.7
Automatic transmission - refill	litres	—
Final drive	litres	1.1
Cooling system	litres	6.0
Fuel tank	litres	45. Pick-up: 50

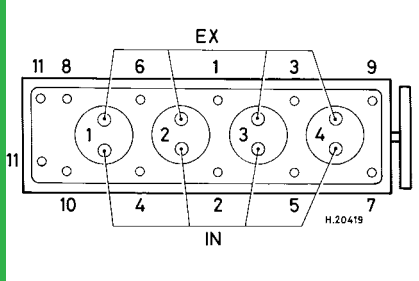
Notes and Illustrations

¹Not Pick-up

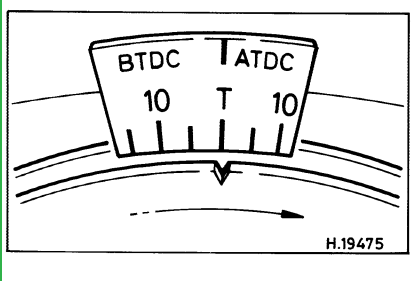
²1983 ►: 1.7 / 1.7

³1983 ►: 1.8 / 1.8

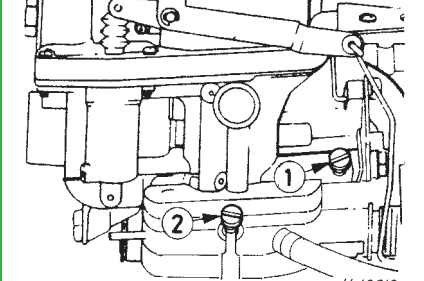
1: Idle speed 2: CO / Mixture



1238 cm³



1238 cm³



Changwon / Stromberg