

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling systemPony X2 1.3 & CAT1990 to 1994

Type		4G13 / G4M SOHC 48kW
Capacity (cm³) / number of cylinders		1298 / 4
Compression ratio / pressure	bar	9.7 / ≥12.8
Oil pressure	bar	1.5
Oil temperature	°C	90
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	°C	88
Radiator cap pressure	bar	0.81 to 1.08

Fuel systemPony X2 1.3 & CAT1990 to 1994

Idle speed - manual [auto]	rpm	800±30
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.25
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		2V 5EVA, 5EUB
Main jet / needle		83.8, 153.8
Injection pressure	bar	—
Pump pressure	bar	0.19 to 0.26
Octane rating	RON	98[E 95 RON] ¹

Ignition systemPony X2 1.3 & CAT1990 to 1994

Type		Electronic
Ignition coil		Poon Sung PN22C
Primary resistance	ohms	1.20±0.12
Ballast resistor	ohms	1.35
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	[0.80]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	4±1 BTDC @ 800±30
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1500
	° Crankshaft @ rpm	5 @ 2500
	° Crankshaft @ rpm	16 @ 6000
Vacuum range check	mbar	133 to 400
Maximum vacuum advance	° Crankshaft	15
Spark plugs		NGK/Champion ²
Type		BPR6ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical systemPony X2 1.3 & CAT1990 to 1994

Battery	V / CC / RC	12 / 380 / 80
Alternator voltage / full load current / engine rpm		14.7 / 65 / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gearPony X2 1.3 & CAT1990 to 1994

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

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

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	+4.0 to -2.0
Camber		0±30'
Castor		+1°2'±30'
King pin inclination		+12°59'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	+6.0 to -3.0
Camber		-40'±30'

Torque wrench settingsPony X2 1.3 & CAT1990 to 1994

Cylinder head - stage 1	Nm	35
- stage 2	Nm	70 to 75 C
Cylinder head - stage 3	Nm	80 to 85 H
- stage 4	Nm	—
Big-end bearings	Nm	32 to 35
Main bearings	Nm	50 to 54
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	200 to 260
Rear hubs	Nm	150 to 200
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	20 to 30

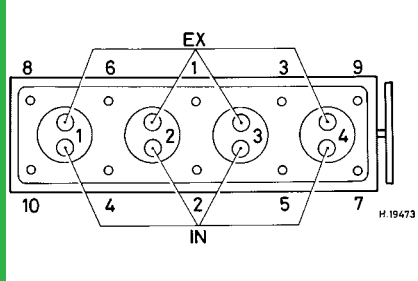
CapacitiesPony X2 1.3 & CAT1990 to 1994

Engine oil & filter	litres	3.4
Gearbox - 4-speed [5-speed]	litres	1.7 [1.8]
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.3
Fuel tank	litres	45

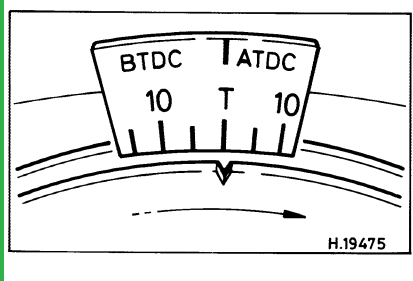
Notes and Illustrations

¹CAT: 95 [U]
²CAT: BUR6ES / RN9YC4

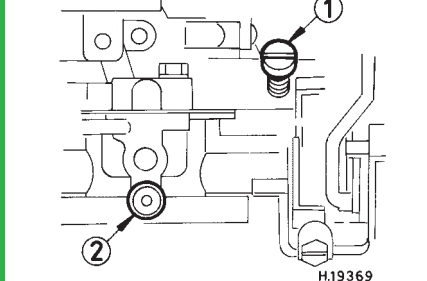
1: Idle speed 2: CO / Mixture



1298 cm³



1298 cm³



Aisan