

ISUZU

Trooper 2.6 (UBS17)

1988 to 1992

Engine & Cooling

Fuel

Ignition

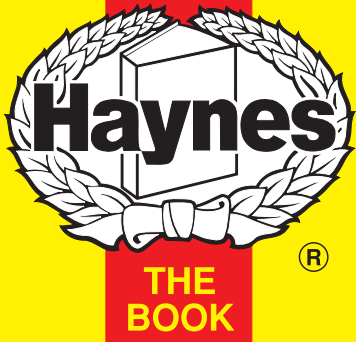
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

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Type		4ZE1 83kW
Capacity (cm ³) / number of cylinders		2559 / 4
Compression ratio / pressure	bar	8.3 / ≥8.2
Oil pressure	bar	[3.9 to 4.9]
Oil temperature	°C	50
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.9 to 1.2

Fuel system

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Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	2.0±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	—
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—
Type / ref		MPI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	97[E 95 RON]

Ignition system

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Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.9
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 900
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Champion
Type		BPR6ES / RN7YC
Electrode gap	mm	0.70 to 0.80

Electrical system

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Battery	V / CC / RC	12 / _ / 65Ah
Alternator voltage / full load current / engine rpm		14.2 to 14.8 / _ / 1900
Starter motor current / voltage - cranking	A / V	230 / 8.0
- locked	A / V	—

Running gear

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

Tyres		
Saloon	Size	—
Estate / Van	Size	235/75x15
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.8 / 1.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0
Camber		+30'±30'
Castor		+2°30'±45'
King pin inclination		+10°±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings

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Cylinder head - stage 1	Nm	79
- stage 2	Nm	88 to 108
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	57 to 61
Main bearings	Nm	83 to 113
Clutch cover	Nm	16 to 20
Flywheel [driveplate]	Nm	54 to 64
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	Steel: 78 to 118 ¹
Spark plugs	Nm	17 to 21

Capacities

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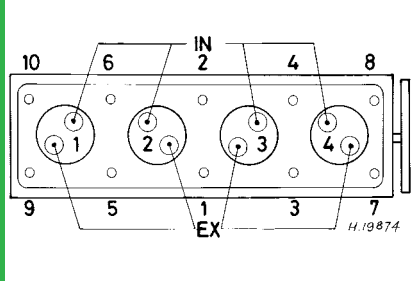
Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.0. Transfer: 1.5
Automatic transmission - refill	litres	4.5. Transfer: 0.8
Final drive	litres	Front: 1.5 ²
Cooling system	litres	9.8
Fuel tank	litres	83

Notes and Illustrations

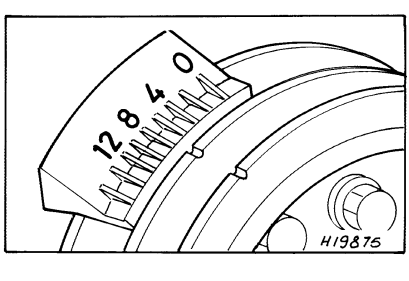
¹Alloy: 108 to 127

²Rear: 1.8

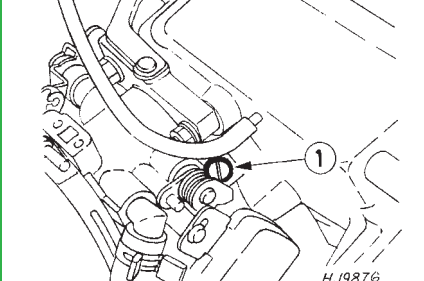
1: Idle speed 2: CO / Mixture



2559 cm³



2559 cm³



MPI