Shuttle 2.2i

1995 to 1997

HONDA

Octane rating

Engine & Running Torque Notes & Fuel Ignition Electrical Capacities Cooling settings Illustrations gear Automotive Technical DATA BOOK Click on one of the buttons above to view data for this car. To R return to this screen and THE BOOK make another choice, click anywhere on the data screen. MENU HELP Engine and cooling system Shuttle 2.2i 1995 to 1997 Туре F22B8 SOHC 16V 112kW Capacity (cm³) / number of cylinders 2156 / 4 Compression ratio / pressure bar 9.8 / ≥9.5 Oil pressure bar [3.5] Oil temperature °C 80 Valve clearance - inlet mm 0.24 to 0.28 clearance - exhaust 0.28 to 0.32 mm Firing order 1-3-4-2 No 1 cylinder position TBE Thermostat opening temperature °C 76 to 80 Radiator cap pressure bar 1.00 to 1.20 **Fuel system** Shuttle 2.2i 1995 to 1997 Idle speed - manual [auto] rpm 770±50 Fast idle speed - manual [auto] 1400 ± 200 rpm CO @ idle speed [3000 rpm] - see page VI % ≤0.1 HC @ idle speed [3000 rpm] - see page VI ≤200 ppm CO2 @ idle speed [3000 rpm] - see page VI % O2 @ idle speed [3000 rpm] - see page VI % Carburettor / fuel injection _Honda Type / ref PGM-Fi MPI Main jet / needle Injection pressure bar Pump pressure bar

95[U]

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Ignition system		Shuttle 2.2i	1995 to 1997
Туре		Computerized	
Ignition coil		Hitachi, TEC	
Primary resistance	ohms	0.40 to 0.80	
Ballast resistor	ohms		
Voltage - Tmnl 15(+) to earth	V	_	
Distributor	, i i i i i i i i i i i i i i i i i i i	_	
Points gap (air gap)	mm	_	
Dwell angle	° (%)	_	
Condenser capacity	μF	_	
Rotation	P	-	
	nkshaft @ rpm	_ 15±2 BTDC @ 770±50	
V = Vacuum NV = No Vacuum	ikonart e rpm		
	nkshaft @ rpm	– Computer control	
•	nkshaft @ rpm	computer control	
	nkshaft @ rpm	_	
	nkshaft @ rpm	– Computer control	
	nkshaft @ rpm	computer control	
	nkshaft @ rpm	-	
	mbar	– Computer control	
Vacuum range check	° Crankshaft	computer control	
Maximum vacuum advance	Grankshalt	– NGK/Nippon Denso	
Spark plugs		ZFR6F-11 / KJ20CR-L1	1
Type Electrode gap	mm	1.00 to 1.10	1
Electrode gap	mm	1.00 10 1.10	
Electrical system		Shuttle 2.2i	1995 to 1997
Battery	V / CC / RC	12 / 65Ah	
Alternator voltage / full load current / engin		13.5 to 14.5 / 80 / _	
Starter motor current / voltage - cranking	A / V	_	
- locked	A / V	-	
Running gear		Shuttle 2.2i	1995 to 1997
		Shattie 2.21	
Brakes -			
Front (min. friction material thickness)		1.6	
Rear (min. friction material thickness)	mm	1.6	
Tyres			
Saloon	Size		
Estate / Van	Size	206/65x15	
Pressure - front / rear - Saloon	bar		
- Estate / Van	bar	Refer to vehicle	
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (–)	mm [º]	0±2.0	
Camber		0±1°	
Castor		$+3^{\circ}\pm1^{\circ}$	
King pin inclination		-	
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0	
Camber		-30′±30′	
Torque wrench cettings			1005 + 1007
Torque wrench settings			1995 to 1997
Cylinder head - stage 1	Nm	40	
- stage 2	Nm	70	
Cylinder head - stage 3	Nm	98	
- stage 4	Nm	_	
Big-end bearings	Nm	45	
Main bearings	Nm	30, 75	
Clutch cover	Nm	_	
Flywheel [driveplate]	Nm	75	
Front hubs	Nm	245	
Rear hubs	Nm	185	
Wheel nuts / bolts	Nm	108	
Spark plugs	Nm	18	
Capacities		Shuttle 2.2i	1995 to 1997
Engine oil & filter	litres	3.8	
Gearbox - 4-speed [5-speed]	litres	_	
Automatic transmission - refill	litres	2.4	
Final drive	litres	WT	
Cooling system	litres	7.8	
Fuel tank	litres	65	

Notes and Illustrations



