

Shuttle 1.6i 4x4

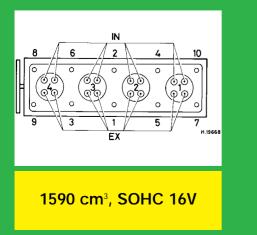
1988 to 1990

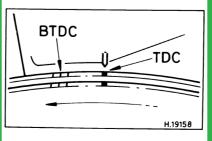
Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
	and the second	A	utomot	tive			
A PART			echnica				
				A		Click on c buttons abo	ove to view
E	THE BOOK	R	\mathbf{R}	OK	-	data for th return to this make anot	screen and
	DOOK					click anywh data s	nere on the
						MENU	HELP
Engine a	<mark>nd coo</mark>	ling sys	tem		Shuttle		<mark>988 to 1990</mark>
Type Capacity (cm Compression		-	ers	bar	D16A7 SOH0 1590 / 4 9.1 / ≥9.3	C 16V	
Oil pressure Oil temperatu	ure			bar °C	1.7 [5.1] 80		
Valve clearan Valve clearan Firing order		ust		mm mm	0.17 to 0.22 0.22 to 0.27 1-3-4-2		
No 1 cylinder Thermostat c	•	mperature		°C	TBE 76 to 80		
Radiator cap				bar	0.74 to 1.03	<mark>1.6i 4x4 1</mark>	988 to 1990
Idle speed - Fast idle spe	manual [at			rpm rpm	780±50 1000 to 2000		
CO @ idle sp HC @ idle sp	eed [3000 eed [3000	rpm] - see rpm] - see	page VI	% ppm	≤0.1 ≤200		
CO2 @ idle s O2 @ idle sp Carburattor /	eed [3000	rpm] - see		%	– – Honda		
Carburettor / Type / re Main jet	ef				PGM-Fi		
Injection Pump pressu	pressure are			bar bar	2.3 to 2.7 4.4 to 5.9		
Octane rating	-			RON	97[RA] Shuttle	<mark>1.6i 4x4 1</mark>	988 to 1990
Type Ignition coil	5				Electronic		
Ballast re				ohms ohms	0.3 to 0.5 -		
Distributor	ap (air gap	+) to earth		V mm	– Hitachi		
Dwell an Condens	igle ser capacit			° (%) µF	-		
Rotation Ignition timin	g - basic [static = No Vacuu	° Crankshaf	t @ rpm	Clockwise 18±2 BTDC (V	@ idle	
Total ignition			° Crankshaf ° Crankshaf		2 BTDC @ id	le (NV)	
Centrifuç	gal check.		 ^o Crankshaf ^o Crankshaf 	t @ rpm	_		
Vacuum	range che	ck	 ° Crankshaf ° Crankshaf 	•	-		
Maxim Spark plugs	0	m advance	° Cra	ankshaft	_ NGK/Champ		
Type Electrode	e gap			mm	BCPR6E-11 / 1.00 to 1.10	/ RN9YC	
Electrica Battery	<mark>I syste</mark> l	m	V / (CC / RC	Shuttle 12 / 47Ah	<mark>1.6i 4x4 1</mark>	<mark>988 to 1990</mark>
Alternator vo Starter motor	•	voltage - ci	nt / engine rpn ranking ocked	A / V	13.9 to 15.1 /	/ _ / 3000	
Running	gear	- 10	UCKEU	A / V	- Shuttle	<mark>1.6i 4x4 1</mark>	988 to 1990
		material thi		mm	3.0		
Rear (mi Tyres Saloon	n. friction	material thi	ckness)	mm Size	2.0		
Estate /		ear - Salooi		Size bar	_ 165x13: 175/ _	65x14	
Front suspe	nsion / wl	-		bar mm [º]	1.9 / 1.9 0±3.0 ¹		
Camber Castor)7 10e-0u	t (-)			+35′±1° +2°56′±1°		
Rear susper		eel alignm	ent	[0]	+6°58′		
Camber) / Toe-out			mm [°]	+2.0±2.0² 0±1°		
Torque w Cylinder head		•	;	Nm	30 oiled	<mark>1.6i 4x4 1</mark>	988 to 1990
Cylinder head	stage 2 - d - stage 3 - stage 4	3		Nm Nm Nm	65 		
Big-end bear Main bearing	rings			Nm Nm Nm	_ 32 58 oiled		
Clutch cover Flywheel [driv				Nm Nm	26 120 185		
Front hubs Rear hubs Wheel nuts /	bolts			Nm Nm Nm	185 185 110		
Spark plugs				Nm	18	1 /: 4 4	000 +- 1000
Capacitie Engine oil & 1	filter	speedl		litres litres	Shuttle 3.5 2.3	1.01 4X4 1	988 to 1990
Gearbox - 4- Automatic tra Final drive	•			litres litres litres	2.3 _ Rear: 0.7		
Cooling syste Fuel tank	em			litres litres	5.4 45		
Notoc or							

Notes and Illustrations

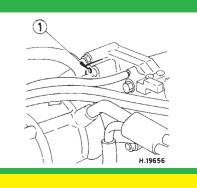
¹1989 ▶: 0±2.0 ²1989 ▶: +2.0+2.0-1.0

1: Idle speed 2: CO / Mixture





1590 cm³, SOHC 16V



PGM-Fi

