LAND ROVER

Discovery V8i

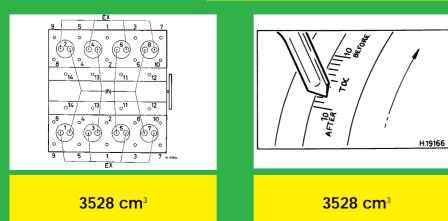
1990 to 1992

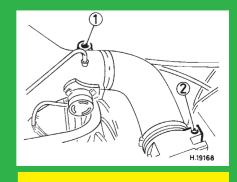
Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
		A	utomo	tive			
			echnica				
			DAT	A		Click on c buttons abo	ove to view
	THE	R	\mathbf{SO}	OK		data for th return to this make anoth	screen and
					click anywhere on the data screen.		
						MENU	HELP
Engine a	<mark>nd coo</mark>	<mark>ling sys</mark>	tem			very V8i 1	<mark>990 to 1992</mark>
Type Capacity (cm Compression		-	ers	bar	V8 OHV 3528 / 8 9.35 / ≥9.3		
Oil pressure Oil temperatu				bar °C	9.337≥9.3 [1.9] 80		
Valve clearan		ust		mm mm	0: Hyd. 0: Hyd.	7.0	
Firing order No 1 cylinder Thermostat of	•	mperature		°C	1-8-4-3-6-5- FL 82	1-2	
Radiator cap	pressure			bar	1.04	voru V0i 1	000 to 1002
Fuel syst Idle speed - Fast idle spe	manual [au			rpm	Disco 665 to 735 E 1100±50	very V8i 1 CU control ¹	770 10 1992
CO @ idle spe HC @ idle sp	eed [3000	rpm] - see		rpm % ppm	0.5 to 1.0 ≤1200		
CO2 @ idle s O2 @ idle sp	peed [300 eed [3000	0 rpm] - se rpm] - see	e page VI	%	_		
Carburettor / Type / re Main jet	ef	ion			Lucas Hot wire		
-	pressure			bar bar	-		
Octane rating	-			RON	97[E 95 RON	l] very V8i 1	990 to 1992
Type Ignition coil	<i>y</i>				Electronic Bosch 0221-	_	770 10 1772
Primary Ballast re				ohms ohms	_		
Distributor	- Tmnl 15(·			V mm	_ Lucas [0.20 to 0.35]	1	
Dwell an	ap (air gap <mark>gle</mark> ser capacit			° (%) μF	-	I	
Rotation Ignition timin	g - basic [° Crankshaf	ft @ rpm	Clockwise 6±1 BTDC @	800	
V = Vacu Total ignition		= No Vacuu	IM ° Crankshaf ° Crankshaf	•	NV _		
Centrifuç	gal check.		 ° Crankshaf ° Crankshaf 	ft @ rpm ft @ rpm	- 3 to 7 @ 120		
Vacuum	range che	ck	 Crankshaf Crankshaf 		17 to 21 @ 2 16 to 22 @ 4		
	•	m advance	° Cra	ankshaft	– – Champion		
Type Electrod	e gap			mm	RN12YC 0.84 to 0.96		
Electrica Battery	<mark>l syste</mark> i	m	V / (CC / RC	<mark>Disco</mark> 12 / 380 / 12	<mark>very V8i 1</mark> 0	990 to 1992
5	•	voltage - ci	n <mark>t / engine rpn</mark> ranking	n A / V	14.2±0.25 / _		
Running	gear	- lo	cked	A / V	– Disco	very V8i 1	990 to 1992
Brakes -		material thi	ckness)	mm	_		
Rear (mi Tyres		material thi	•	mm	_		
Saloon Estate /		ear - Salooi	h	Size Size bar	_ 205x16		
Front suspe		- Estate	/ Van	bar	_ 1.9 / 2.6		
Toe-in (+ Camber Castor) / Toe-out	t (–)		mm [º]	-1.2 to -2.4 0 +3°		
	inclination		ent		+3 +7°		
) / Toe-out	•		mm [º]	_		
Torque w		•	;	Nm	Disco No 1 to 10: 8	very V8i 1 88 to 95	990 to 1992
Cylinder hear	- stage 2 d - stage 3	2 3		Nm Nm	No11 to 14:		
Big-end bear Main bearing	-	1		Nm Nm Nm	_ 47 to 54		
Clutch cover Flywheel [driv				Nm Nm	24 to 30 74 to 81		
Front hubs Rear hubs	bolto			Nm Nm	_ _ 129		
Wheel nuts / Spark plugs				Nm Nm	_		
Capacitie	filter			litres	5.7	very V8i 1	990 to 1992
Gearbox - 4- Automatic tra Final drive	•	•		litres litres litres	2.7. Transfer – Front & rear:		
Cooling syste Fuel tank	em			litres litres	11.3 88.6		
		trationa					

Notes and Illustrations

¹Base idle: 525±25 ²No 1 to 4: 68 to 75. Others: 88 to 95

1: Idle speed 2: CO / Mixture





Hot wire injection