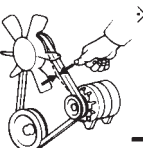



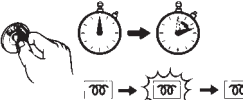
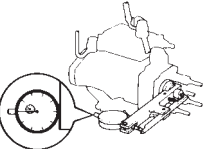
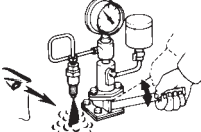
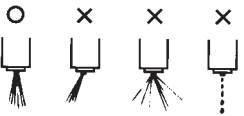
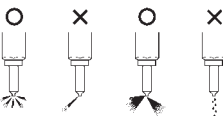
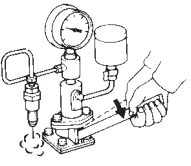

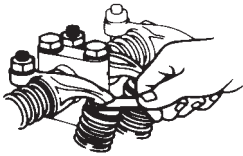

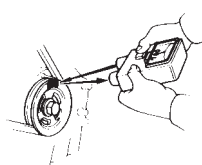
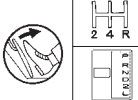
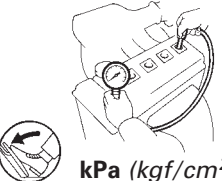

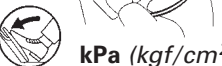

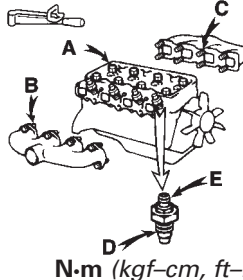

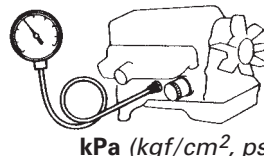

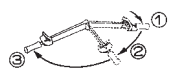




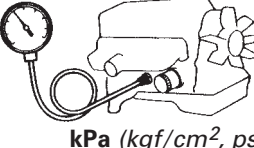



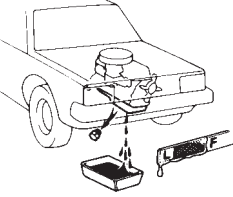

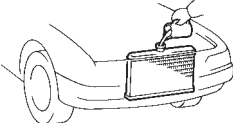

		1HZ	1HD-FTE
cm <sup>3</sup> or CC (cu. in.)		4164 (254.1)	
		8-11 (0.31-0.43) ※196-343 (20-35)	
		16-22 (0.63-0.87) ※196-392 (20-40)	13-18 (0.51-0.71) ※196-392 (20-40)
mm (in.)	N (kgf)		
	20°C (68°F)	0.75	—
	Ω		
	20°C (68°F)	2.4	0.5
	secs		
	mm (in.)	w/ ACSD 0.65-0.71 (0.0256-0.0280) w/o ACSD 0.85-0.91 (0.0335-0.0358)	—
			
	kPa (kgf/cm <sup>2</sup> , psi)	M/T, A/T (White Indication Ring) 14220-15220 (145-155, 2061-2203) A/T (Brown Indication Ring) 15200-16181 (155-165, 2205-2347)	17162-18142 (175-185) (2489-2632)
		M/T, A/T (White Indication Ring) 14710-15690 (150-160, 2133-2276) A/T (Brown Indication Ring) 15690-16671 (160-170, 2276-2418)	17652-18633 (180-190) (2560-2702)
	mm (in.)	0.15-0.25 (0.006-0.010)	0.17-0.23 (0.007-0.009)
		0.35-0.45 (0.014-0.018)	0.47-0.53 (0.019-0.021)

	rpm		600-700 660-760	550-650 550-650
	kPa (kgf/cm <sup>2</sup> , psi)		3628 (37.0, 526)	3432 (35.0, 498)
			2648 (27.0, 384)	2452 (25.0, 356)
	N-m (kgf-cm, ft-lbf)		490 (5.0, 71)	
	kPa (kgf/cm <sup>2</sup> , psi)		A	
			B	19.6 (200, 14)
			C	41.7 (425, 31)
			D	63.7 (650, 47)
			E	46.6 (475, 34)
	3,000 rpm		29 (0.3, 4.2)	
			250-600 (2.5-6.1, 36-87)	

		1HZ	1HD-FTE
	liter (US qts, Imp. qts)	8.0 (8.5, 7.0)	10.1 (10.8, 8.9)
		9.3 (9.8, 8.2)	11.4 (12.0, 10.0)
		API CF-4 or CF (You may also use API CE or CD)	
	liter (US qts, Imp. qts)	w/o Rear Heater 12.4 (13.1, 10.9)	*1 13.2 (14.0, 11.6) *2 13.7 (14.5, 12.1)
		w/ Rear Heater 12.9 (13.6, 11.4)	*3 14.2 (15.0, 12.6)
		—	*1 12.8 (13.5, 11.3) *2 13.3 (14.1, 11.7) *3 13.8 (14.6, 12.2)

# Land Cruiser Diesel

HZJ105 - 1007933~ , 3008429~ , 5000758~  
HDJ100 - 4012598~ , 6000019~ , 7005804~




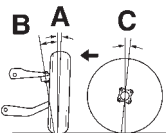
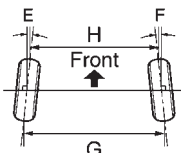
	A	196-206 (7.72-8.11)    197.5-207.5 (7.78-8.17)
	B	5-15 (0.20-0.60)
	C	25 (0.98)
mm (in.)	SAE J1703 or FMVSS No. 116 DOT3	

	RFS*1	26-52 (2.7-5.3) (6.4-11.7)
	IFS*2	42-67 (4.3-6.8) (9.5-15.0)
	N (kgf, lbf)	
	Aluminium Wheel 131 (13.4, 96.6)	
	Steel Wheel 209 (21.3, 154.2)	
	N·m (kgf-cm, ft-lbf)	

	HZJ	HDJ
	40 (1.6)	

	A	190.2-200.2 (7.49-7.88)    183.7-193.7 (7.23-7.63)
	B	1-6 (0.04-0.24)
	C	121 (4.8) (w/ABS)    116 (4.6) (w/ABS) 98 (3.9) (w/o ABS)    94 (3.7) (w/o ABS)
mm (in.)	SAE J1703 or FMVSS No. 116 DOT3	

	HZJ	HDJ
	2.2 (2.3, 1.9)	2.7 (2.9, 2.4)
	API GL-4 or GL-5 SAE 75W-90	
	liter (US qts, Imp. qts)	

		RFS*1	IFS*2	
			w/o AHC*3	w/ AHC*3
	A	1°±45' (1°±0.75°)	0°05'±45' (0.08°±0.75°)	0°00'±45' (0°±0.75°)
	B	13°±45' (13°±0.75°)	12°10'±45' (12.17°±0.75°)	12°15'±45' (12.25°±0.75°)
	C	Australia 1°40'±45' (1.67°±0.75°) G.C.C. 2°30'±45' (2.5°±0.75°) Others 2°10'±45' (2.17°±0.75°)	Europe and Australia 2°10'±45' (2.17°±0.75°) Others 2°25'±45' (2.42°±0.75°)	3°05'±45' (3.08°±0.75°)
	D	35°+0° -3°	37°+0° -3°	
	E+F	0°12'±12' (0.2°±0.2°)	0°06'±12' (0.1°±0.2°)	0°00'±12' (0.0°±0.2°)
	G-H mm (in.)	2±2 (0.08±0.08)	1±2 (0.04±0.08)	0±2 (0±0.08)

	4-6	
	196 N (20 kgf, 44.1 lbf)	
	A	1.0 (0.039)
	B	30.0 (1.181)    16.0 (0.630)
	mm (in.)	
	1.0 (0.039)	
	1.5 (0.059)	
	mm (in.)	
	231.0 (9.09)	
	297.0 (11.693)	
	mm (in.)	

	Europe 6.0 (6.3, 5.3) Others 3.0 (3.2, 2.6)	
	Europe ATF D-II or DEXRON®II (DEXRON®II) Others ATF Type T-IV	
	liter (US qts, Imp. qts)	
	HF1A (Part time) 1.5 (1.6, 1.3) HF2A (Full time) 1.3 (1.4, 1.1)	
	API GL-4 or GL-5 SAE 75W-90	
	liter (US qts, Imp. qts)	
	RFS*1	2.65 (2.8, 2.3) (w/ Differential Lock) 2.8 (3.0, 2.5) (w/o Differential Lock)
	IFS*2	3.2 (3.4, 2.8) (w/ Differential Lock) 3.3 (3.5, 2.9) (w/o Differential Lock)
	Hypoid gear oil API GL-5 With LSD use LSD oil only SAE 90 (H-18°C (0°F)) SAE 80W or 80W-90 (H-18°C (0°F))	
	1.6 (1.7, 1.4)	
	liter (US qts, Imp. qts)	

	km/h (mph)	
	275/70R16 275/65R17 275/60R18	200 (2.0, 29)    220 (2.2, 32)
	LT235/85R16 108/104S 7.50R16-6PRLT	260 (2.6, 38)    375 (3.75, 54)
	240*4 (2.4, 35)    320*4 (3.3, 48)	
	280*5 (2.8, 41)    370*5 (3.7, 54)	
	7.50R16C 108/106Q6PR	