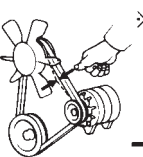



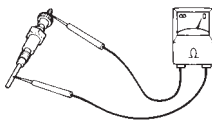
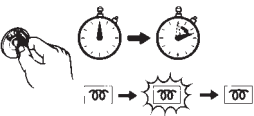
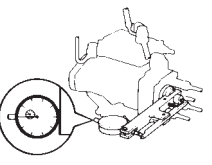
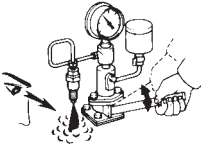











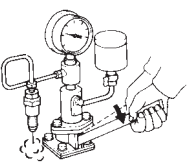

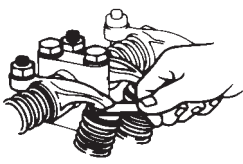


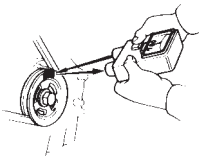











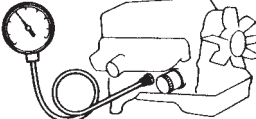

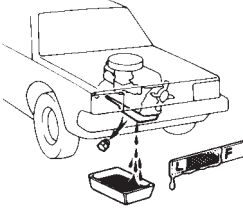


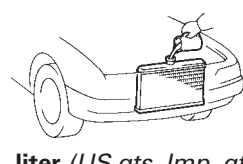




 cm ³ or CC (cu. in.)		1HZ	1HD-T	1HD-FTE
		4164 (254.0)		
 mm (in.) N (kgf)		8-11 (0.31-0.43)		8-11 (0.31-0.43)
		16-22 (0.63-0.87)		15-20 (0.59-0.79)
		—		—
	20°C (68°F) Ω	0.75		—
	20°C (68°F) secs	1.0		0.5
	mm (in.)	w/ ACSD 0.65-0.71 (0.0256-0.0280) w/o ACSD 0.85-0.91 (0.0335-0.0358)	1.18-1.24 (0.0465-0.0488)	—
		   	   	  
 kPa (kgf/cm ² , 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)	17157-18137 (175-185, 2488-2630)	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)	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		550-650
				660-760	700-800	550-650
				4500-4700	4300-4500	4200-4400
 kPa (kgf/cm ² , psi)		3628 (37.0, 526)		3432 (35.0, 498)		
		2648 (27.0, 384)		2452 (25.0, 356)		
				490 (5.0, 71)		
 N·m (kgf-cm, ft-lbf)		A	 ① 68.6 (700, 51) ② 90° ③ 90°			
		B	19.6 (200, 14)			
		C	41.7 (425, 31)			
		D	63.7 (650, 47)	39 (400, 29)	25 (255, 18)	
		E	46.6 (475, 34)	34 (350, 25)	29 (300, 22)	
 kPa (kgf/cm ² , psi)		29 (0.3, 4.2)				
		250-600 (2.5-6.1, 36-87)				

		1HZ	1HD-T	1HD-FTE
 liter (US qts, Imp. qts)		8.0 (8.5, 7.0)	10.2 (10.8, 9.0)	10.1 (10.7, 8.9)
		9.3 (9.8, 8.2)	11.5 (12.2, 10.1)	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/ Front Heater 12.4 (13.1, 10.9)	w/ Front Heater 12.5 (13.2, 11)	w/o Viscous Heater 13.2 (14.0, 11.6)
		w/ Front and Rear Heaters 12.9 (13.6, 11.4)	w/ Front and Rear Heaters 13.0 (13.7, 11.4)	w/ Viscous Heater 13.7 (14.5, 12.1)
		w/ Front Heater 12.0 (12.7, 10.6)	w/ Front Heater 12.1 (12.8, 10.6)	w/o Viscous Heater 12.8 (13.5, 11.3)
		w/ Front and Rear Heaters 12.5 (13.2, 11.0)	w/ Front and Rear Heaters 12.6 (13.3, 11.1)	w/ Viscous Heater 13.3 (14.1, 11.7)





Land Cruiser Diesel

HZJ105 - 0001697~, 7013102~, 8001435~
HDJ100 - 8011732~, 9002779~

TOYOTA
QUALITY SERVICE

	A	196-206 (7.72-8.11) 197.5-207.5 (7.78-8.17)
	B	5-15 (0.20-0.59)
	C	25 (0.98)
mm (in.)	SAE J1703 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)	24-52 (2.4-5.3) (6.4-11.7)
	Aluminium Wheel	
	131 (13.4, 96.6)	
	Steel Wheel	
	209 (21.3, 154.2)	
N-m (kgf-cm, ft-lbf)		

		HZJ	HDJ
	 40 (1.57)		
mm (in.)			





	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 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°25'±45' (2.42°±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	2±2 (0.08±0.08)	1±2 (0.04±0.08)	0±2 (0±0.08)
mm (in.)				

		4-6
196 N (20 kgf, 44.1 lbf)		

	6.0 (6.3, 5.3)
	ATF DII or DEXRON® III (DEXRON® II)
	liter (US qts, Imp. qts)

			
Europe (kgf/cm ² , psi)	275/70R16 114H	200 (2.0, 29)	220 (2.2, 32)
Australia (kgf/cm ² , psi)	LT235/85R16 108/104S	260 (2.6, 38)	375 (3.75, 54)
	275/70R16 114T	200 (2.0, 29)	220 (2.2, 32)
	7.50R16C 108/106Q 6PR RGF	240 (2.4, 35) 280※ (2.9, 42)	320 (3.3, 47) 370※ (3.8, 54)
Others (kgf/cm ² , psi)	LT235/85R16 108/104S	260 (2.6, 38)	375 (3.75, 54)
	7.50R 16-6PRLT		
	275/70R 16 114T	 180 (112)	220 (2.2, 32)
		 180 (112)	200 (2.0, 29)
			220 (2.2, 32)

	A	1.0 (0.039)
	B	30.0 (1.181) 16.0 (0.630)
		1.0 (0.039)
		1.5 (0.059)
		231.0 (9.09)
		297.0 (11.693)
mm (in.)		

	RFS*1	2.65 (2.8, 2.3) (w/ Differential Lock) 2.8 (3.0, 2.5) (w/o Differential Lock)
	IFS*2	1.6 (1.7, 1.4)
		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 (-18°C (0°F))	
	SAE 80W or 80W-90 (-18°C (0°F))	
	liter (US qts, Imp. qts)	