


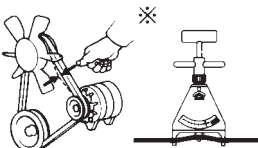


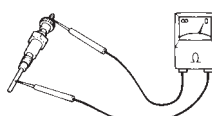
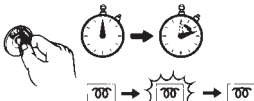
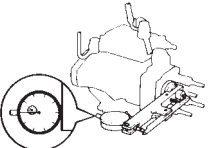
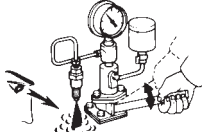



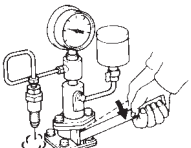




**SDS**

**TOYOTA**

**Land Cruiser Diesel**

HZJ105  
HDJ100

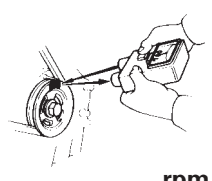


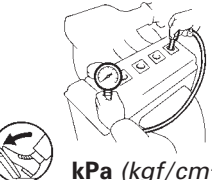


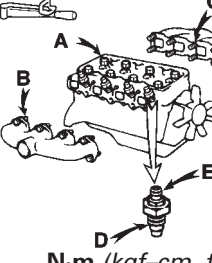


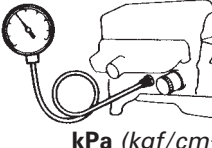


Jan. '01

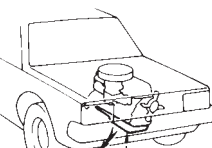


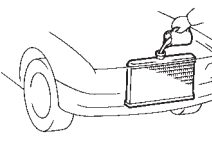


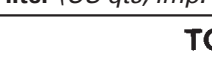


		1HZ	1HD-T	1HD-FTE
cm <sup>3</sup> or CC (cu. in.)		4164 (254.1)		
 mm (in.)    N (kgf)		8-11 (0.31-0.43) ※196-343 (20-35)		
		16-22 (0.63-0.87) ※196-392 (20-40)		15-20 (0.59-0.79) ※196-392 (20-40)
 Ω	20°C (68°F)	0.75		—
 secs	20°C (68°F)	2.4		0.5
 mm (in.)	w/ ACSD 0.65-0.71 (0.0256-0.0280) w/o ACSD 0.85-0.91 (0.0335-0.0358)	1.18-1.24 (0.0465-0.0488)		—
				
 kPa (kgf/cm <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)	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)

Printed in Japan

\*1 Europe w/o Power Heater  
\*3 Europe w/ Power Heater

\*2 Australia w/o Rear Heater  
\*4 Australia w/ Rear Heater

 <b>rpm</b>		600-700		550-650
		660-760	700-800	550-650
 <b>kPa (kgf/cm<sup>2</sup>, psi)</b>		4500-4700	4300-4500	4200-4400
		3628 (37.0, 526)	3432 (35.0, 498)	
 <b>N·m (kgf·cm, ft·lbf)</b>		2648 (27.0, 384)	2452 (25.0, 356)	
		490 (5.0, 71)		
 <b>kPa (kgf/cm<sup>2</sup>, psi)</b>		29 (0.3, 4.2)		
		250-600 (2.5-6.1, 36-87)		
		29 (0.3, 4.2)		
		250-600 (2.5-6.1, 36-87)		
		29 (0.3, 4.2)		

		1HZ	1HD-T	1HD-FTE
 <b>liter (US qts, Imp. qts)</b>		8.0 (8.5, 7.0)	10.2 (10.8, 9.0)	10.1 (10.8, 9.0)
		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)		
 <b>liter (US qts, Imp. qts)</b>		w/o Rear Heater 12.4 (13.1, 10.9)	w/o Rear Heater 12.5 (13.2, 11)	*1, *2 13.2 (14.0, 11.6)
		w/ Rear Heater 12.9 (13.6, 11.4)	w/ Rear Heater 13.0 (13.7, 11.4)	*3, *4 13.7 (14.5, 12.1)
 <b>liter (US qts, Imp. qts)</b>		w/o Rear Heater 12.0 (12.7, 10.6)	w/o Rear Heater 12.1 (12.8, 10.6)	*1, *2 12.8 (13.5, 11.3)
		w/ Rear Heater 12.5 (13.2, 11.0)	w/ Rear Heater 12.6 (13.3, 11.1)	*3, *4 13.3 (14.1, 11.7)

TOYOTA MOTOR CORPORATION

Pub. No. SDS441E

# Land Cruiser Diesel

HZJ105 - 0002584~, 1000001~, 3000001~, 5000001~, 8001903~, 9000369~  
HDJ100 - 1000001~, 4000002~, 7000002~, 9004291~



	<b>A</b>	196-206 (7.72-8.11)	197.5-207.5 (7.78-8.17)
	<b>B</b>	5-15 (0.20-0.59)	
	<b>C</b>	25 (0.98)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	

	<b>A</b>	RFS*1 26-52 (2.7-5.3) (6.4-11.7)
	<b>B</b>	RFS*1 24-52 (2.4-5.3) (6.4-11.7)
<b>N</b> (kgf, lbf)		
	<b>A</b>	Aluminium Wheel 131 (13.4, 96.6)
	<b>B</b>	Steel Wheel 209 (21.3, 154.2)
<b>N·m</b> (kgf-cm, ft-lbf)		

	HZJ	HDJ
	40 (1.57)	
mm (in.)		

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

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

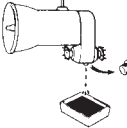
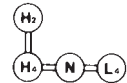
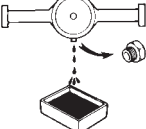

		RFS*1	IFS*2	
			w/o AHC*3	w/ AHC*3
	<b>A</b>	1°±45' (1°±0.75°)	0°05'±45' (0.08°±0.75°)	0°00'±45' (0°±0.75°)
	<b>B</b>	13°±45' (13°±0.75°)	12°10'±45' (12.17°±0.75°)	12°15'±45' (12.25°±0.75°)
	<b>C</b>	Australia 1°40'±45' (1.67°±0.75°) G.C.C. 2°30'±45' (2.5°±0.75°) Others 2°10'±45' (2.17°±0.75°)	Europe and Australia 2°10'±45' (2.17°±0.75°) Others 2°25'±45' (2.42°±0.75°)	3°05'±45' (3.08°±0.75°)
	<b>D</b>	35°±0° -3°	37°±0° -3°	





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

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

	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.)				

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

		HF1A (Part time) 1.5 (1.6, 1.3) HF2A (Full time) 1.3 (1.4, 1.1)	
<b>liter</b> (US qts, Imp. qts)	<b>API GL-4 or GL-5</b> <b>SAE 75W-90</b>		
			
	<b>RFS*1</b>	<b>2.65</b> (2.8, 2.3) (w/ Differential Lock) <b>2.8</b> (3.0, 2.5) (w/o Differential Lock)	<b>3.2</b> (3.4, 2.8) (w/ Differential Lock) <b>3.3</b> (3.5, 2.9) (w/o Differential Lock)
	<b>IFS*2</b>	<b>1.6</b> (1.7, 1.4)	
	<b>Hypoid gear oil API GL-5</b> <b>With LSD use LSD oil only</b> <b>SAE 90</b> (H-18°C (0°F)) <b>SAE 80W or 80W-90</b> (H-18°C (0°F))		

				
Europe kpa (kgf/cm <sup>2</sup> , psi)	275/70R16 114H	200 (2.0, 29)	220 (2.2, 32)	
Australia kPa (kgf/cm <sup>2</sup> , psi)	LT235/85R16 108/104S	260 (2.6, 38)	375 (3.75, 54)	
	275/70R16 114S	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 kPa (kgf/cm <sup>2</sup> , 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)	220 (2.2, 32)
		 180 (112)	200 (2.0, 29)	