SDS TOYOTA Land Cruiser Diesel

(Hardtop & Canvas Top)

HZJ71, 78, 79
HDJ 78, 79

Jan. '02

		1HZ	1HD-FTE
cm³ or CC (cu. in.)		4164 (254.0)	
mm (in.) N (kgf)		8–11 (0.31–0.43) ※200–390 (20–40)	
		16–22 (0.63–0.87) ※196–392 (20–40)	15–19 (0.59–0.75)
		——	
Ω	20°C (68°F)	0.75 (12V) 3.1 (24V)	——
secs	20°C (68°F)	Malaysia, Bangladesh 1.0 Others 2.4	0.5
mm (in.)		w/ ACSD*1 0.65–0.71 (0.0256–0.0280) w/o ACSD*1 0.85–0.91 (0.0335–0.0358)	——
		○ × × ×	○ × ○ ×
kPa (kgf/cm², psi)		14220–15200 (145–155, 2062–2205)	17162–18142 (175–185, 2489–2632)
		14710–15690 (150–160, 2133–2276)	17652–18633 (180–190, 2560–2632)
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
		——	——
		4500–4700	4200–4400
kPa (kgf/cm², 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)	25 (255, 18)
	E	46.6 (475, 34)	29 (300, 22)
kPa (kgf/cm², psi)		⬆ 29 (0.3, 4.3)	
	3,000 rpm	245–588 (2.5–6.0, 36–85)	250–600 (2.5–6.1, 36–87)

	1HZ	1HD-FTE
liter (US qts, Imp. qts)	10.0 (10.6, 8.8)	10.1 (10.7, 8.9)
	11.3 (11.9, 9.9)	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 *2 10.7 (11.3, 9.4) *3 10.6 (11.2, 9.3) w/ Front and Rear Heaters 11.7 (12.4, 10.3) w/o Heater 9.8 (10.4, 8.6)	11.5 (12.2, 10.1)
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Printed in Japan

*1 ACSD: Automatic Cold Start Device
*2 Australia *3 Others

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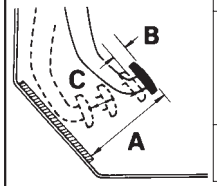
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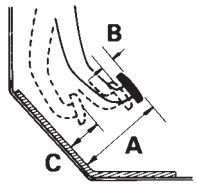
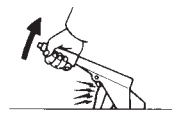
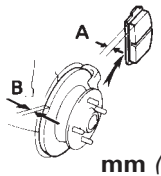
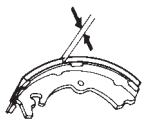
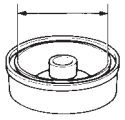
Land Cruiser Diesel

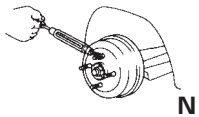
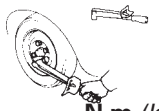
(Hardtop & Canvas Top)

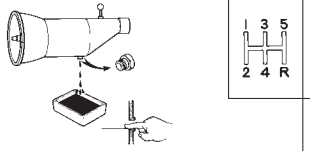
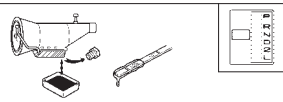
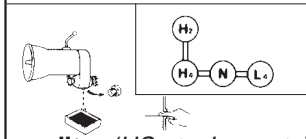
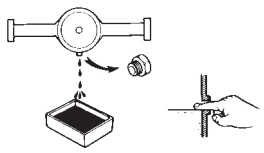
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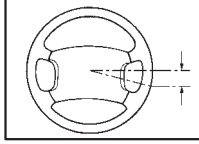
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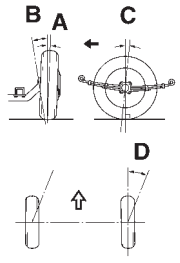
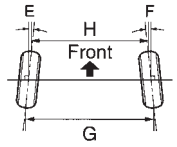
		HZJ	HDJ
	A	186 *(7.32)*	
	B	5–15 *(0.20–0.59)*	
	B	15–30 *(0.59–1.18)*	
	C	⬆ 25 *(0.98)*	
mm *(in.)*		SAE J1703 or FMVSS No. 116 DOT3	

		HZJ	HDJ
	A	155–165 *(6.10–6.50)*	
	B	1–6 *(0.04–0.24)*	
	C	⬆ 68 *(2.68)*	
mm *(in.)*		SAE J1703 or FMVSS No. 116 DOT3	
 196 N *(20 kgf, 44 lbf)*		7–9	
 mm *(in.)*	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.)*		—	⬇ 211.0 *(8.31)*
		—	⬇ 297.0 *(11.693)*

	HZJ	HDJ
 N *(kgf, lbf)*	26–52 *(2.7–5.3 6.0–11.7)*	24–53 *(2.4–5.3 5.3–11.7)*
 N·m *(kgf-cm, ft-lbf)*	Steel wheels 209 *(21.3, 154.2)* Aluminum wheels 131 *(13.4, 96.6)*	

	HZJ	HDJ
 liter *(US qts, Imp. qts)*	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)*	—	
	—	
 liter *(US qts, Imp. qts)*	2.1 *(2.2, 1.8)*	1.5 *(1.6, 1.3)*
	API GL–4 or GL–5 SAE90	API GL–4 or GL–5 SAE 75W–90
 liter *(US qts, Imp. qts)*	2.6 *(2.7, 2.3)*	w/ Differential lock 2.3 *(2.4, 2.0)* w/o Differential lock 2.4 *(2.5, 2.1)*
	Hypoid gear oil API GL–5 With LSD use LS oil only SAE 90 (⬆ –18°C *(0° F)*) SAE 80W or 80W–90 (⬇ –18°C *(0° F)*)	

	HZJ	HDJ
 mm *(in.)*	⬇ 40 *(1.6)*	

		HZJ 71, 78	HZJ 79	HDJ 78	HDJ 79
	A	1°±45′ *(1°±0.75°)*			
	B	13°±45′ *(13°±0.75°)*			
	C	4°20′±45′ *(4.33°±0.75°)*	3°35′±45′ *(3.58°±0.75°)*	4°20′±45′ *(4.33°±0.75°)*	3°35′±45′ *(3.58°±0.75°)*
	D	32° *(28°–32°)*			
	E+F	0°00′±12′ *(0.0°±0.2°)*			
		0°12′±12′ *(0.2°±0.2°)*			
	G–H mm *(in.)*	0±2 *(0.00±0.08)*			
		2±2 *(0.08±0.08)*			

			Unladen vehicle		Fully laden vehicle	
Australia	HZJ78	7.50R16-8PRLT	250*3 *(2.5, 36)*	275*3 *(2.75, 40)*	250 *(2.5, 36)*	475 *(4.75, 69)*
	HZJ79	7.50R16-8PRLT	250*4 *(2.5, 36)*		250 *(2.5, 36)*	475 *(4.75, 69)*
		7.50-16-8PRLT*5	240*4 *(2.4, 35)*		240 *(2.4, 35)*	425 *(4.25, 62)*
Europe	HZJ71	215 / 80R16	200*2 *(2.0, 29)*		200 *(2.0, 29)*	280 *(2.8, 41)*
		265 / 70R16*1	180*2 *(1.8, 26)*		180 *(1.8, 26)*	220 *(2.2, 32)*
	HZJ78, 79	205R16C8PR	250*3 *(2.5, 36)*	270*3 *(2.7, 39)*	250 *(2.5, 36)*	450 *(4.5, 65)*
			250*4 *(2.5, 36)*	270*4 *(2.7, 39)*		
General	HZJ71	7.50-16-6PRLT (HZJ 71 only)	180*2 *(1.8, 26)*		180 *(1.8, 26)*	325 *(3.25, 47)*
		7.50R16-6PRLT	200*2 *(2.0, 29)*		200 *(2.0, 29)*	375 *(3.75, 54)*
		7.50R16-8PRLT				
		265 / 70R16	180*2 *(1.8, 26)*		180 *(1.8, 26)*	220 *(2.2, 32)*
	HZJ78, 79	7.50-16-8PRLT	240 *(2.4, 35)* HZJ78*3, HZJ79*4		240 *(2.4, 35)*	425 *(4.25, 62)*
		7.50R16-8PRLT	250 *(2.5, 36)* HZJ78*3 HZJ79*4	300 *(3.0, 44)* HZJ78*3 HZJ79*4	250 *(2.5, 36)*	475 *(4.75, 69)*
		225 / 95R16C (HZJ79 only)	220*4 *(2.2, 32)*	260*4 *(2.6, 38)*	220 *(2.2, 32)*	450 *(4.5, 65)*

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*1 With over fender
*2 Unladen with 2 occupants and 200 kg (440.9 lb.) of luggage or less
*3 Unladen with 2 occupants and 400 kg (881.8 lb.) of luggage or less
*4 Unladen with 2 occupants and 500 kg (1102.3 lb.) of luggage or less
*5 Papua New Guinea only

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