SDS TOYOTA Land Cruiser Diesel

(Hardtop & Canvas Top)

HZJ71, 78, 79
HDJ 78, 79

Jan. '03

		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.)*	H C	0.15–0.25 *(0.006–0.010)*	0.17–0.23 *(0.007–0.009)*
	H C	0.35–0.45 *(0.014–0.018)*	0.47–0.53 *(0.019–0.021)*

		1HZ	1HD-FTE
rpm	1 3 5 2 4 R	600–700	550–650
	H C	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)*	
	H C 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)

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

Printed in Japan [I]

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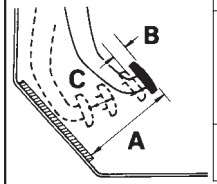
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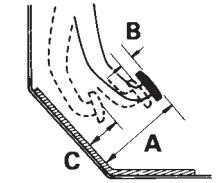
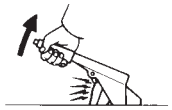
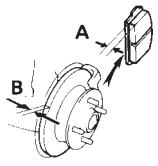
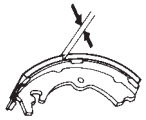
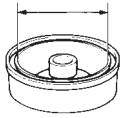
Land Cruiser Diesel

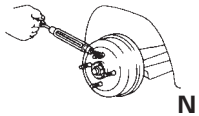
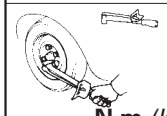
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HDJ78 – *0001079~*, *6000129~* HDJ79 – *0002876~*, *6000560~*

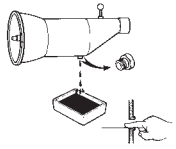
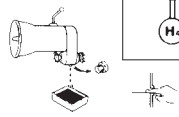
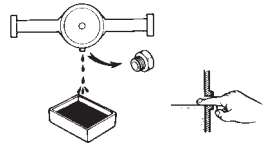
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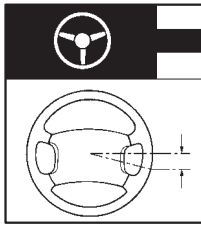
(Hardtop & Canvas Top)

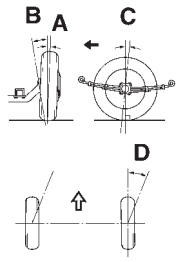
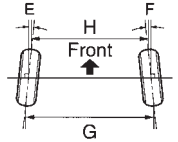
		HZJ	HDJ
	A	186 *(7.32)*	
	B	5–15 *(0.20–0.59)*	
	B	15–30 *(0.59–1.18)*	
	C	⇧ 25 *(0.98)*	
mm *(in.)*		SAE J1703 or FMVSS No. 116 DOT3	

		HZJ	HDJ
	A	161.6–171.6 *(6.36–6.76)*	164.7–174.7 *(6.48–6.88)*
	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)*	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°)*			
	E+F	0°12′±12′ *(0.2°±0.2°)*			
	G–H mm *(in.)*	0±2 *(0.00±0.08)*			
	G–H mm *(in.)*	2±2 *(0.08±0.08)*			

			Unladen vehicle		Fully laden vehicle	
Australia **KPa** *(kgf/cm², psi)*	HDJ78 HZJ78	7.50R16 112/107R	250*3 *(2.5, 36)*	275*3 *(2.75, 40)*	250 *(2.5, 36)*	475 *(4.75, 69)*
	HDJ79, HZJ79	7.50R16 112/107R	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)*
		265/70R16 115R LT (HDJ79 only)	250*4 *(2.5, 36)*		250 *(2.5, 36)*	350 *(3.5, 51)*
General **KPa** *(kgf/cm², psi)*	HZJ71	7.50-16-6PRLT	180*2 *(1.8, 26)*		180 *(1.8, 26)*	325 *(3.25, 47)*
		7.50R16-6PRLT 7.50R16 112/107R 7.50R16C 112/110R	200*2 *(2.0, 29)*		200 *(2.0, 29)*	375 *(3.75, 54)*
		265/70R16 112S*1	180*2 *(1.8, 26)*		180 *(1.8, 26)*	220 *(2.2, 32)*
		255/70R16 109S*6	200*2 *(2.0, 29)*		200 *(2.0, 29)*	240 *(2.4, 35)*
	HZJ78, 79	7.50-16-8PRLT	240 *(2.4, 35)* HZJ78*3, HZJ79*4		240 *(2.4, 35)*	425 *(4.25, 62)*
		7.50R16 112/107R 7.50R16C 112/110R	250 *(2.5, 36)* HZJ78*3,7 HZJ79*4,7	300 *(3.0, 44)* HZJ78*3,7 HZJ79*4,7	250*7 *(2.5, 36)*	475*7 *(4.75, 69)*
			200 *(2.0, 29)* HZJ78*3,6, HZJ79*4,6		200*6 *(2.0, 29)*	375*6 *(3.75, 54)*
		225/95R16C 118/116R (HZJ79 only)	220*4 *(2.2, 32)*	260*4 *(2.6, 38)*	220 *(2.2, 32)*	450 *(4.5, 65)*
		265/70R16 115R LT (HZJ79 only)	250*4 *(2.5, 36)*		250 *(2.5, 36)*	350 *(3.5, 51)*

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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
*6 Venezuela only
*7 Except Venezuela

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