SDS TOYOTA Land Cruiser (Hardtop &Canvas Top) FZJ71, 74, 78, 79 Jan. '04

		1FZ–FE
cm³ or CC *(cu. in.)*		4477 *(273.1)*
mm *(in.)* **N** *(kgf)*		15.0–20.0 *(0.59–0.79)* ※245–392 *(25–40)*
		7.0–9.5 *(0.28–0.37)* ※196–343 *(20–35)*
	DENSO	K16TR11
	NGK	BKR5EKB–11
A	**A** **mm** *(in.)*	1.1 *(0.043)*
kΩ		25
BTDC		3° (DLC3 Terminals 13 (TC) – 4 (CG) Connected)
mm *(in.)*	H C	0.15–0.25 *(0.006–0.010)*
	H C	0.25–0.35 *(0.010–0.014)*
rpm	H C	600–700
CO% **2*	H C	w/ TWC*1 0.5 w/o TWC*1 1.0–2.0

kPa *(kgf/cm², psi)*		1176 *(12.0, 171)*
		882 *(9.0, 128)*
		98 *(1.0, 14)*
kPa *(kgf/cm², psi)*		29 *(0.3, 4.3)*
	3,000 rpm H C	245–490 *(2.5–5.0, 36–71)*
N·m *(kgf–cm, ft–lbf)*	**A**	① 39 *(400, 29)* ② 90° ③ 90°
	B	20 *(210, 15)*
	C	39 *(400, 29)*

		1FZ–FE
liter *(US qts, Imp. qts)*		6.9 *(7.3, 6.1)*
		Australia 7.2 *(7.6, 6.3)* Others 7.4 *(7.8, 6.5)*
		20W-50 and 15W-40– API grade SJ or SL multigrade engine oil 10W-30 and 5W-30– API grade SJ "Energy–Conserving", SL "Energy-Conserving" or ILSAC* multigrade engine oil
liter *(US qts, Imp. qts)*		w/ Front Heater 13.8 *(14.6, 12.1)* w/ Front and Rear Heaters 14.9 *(15.7, 13.1)* w/o Heater 12.7 *(13.4, 11.2)*

*ILSAC: International Lubricant Standardization and Approval Committee
*1 In the 2 mode (2,500 rpm and idle) test, follow the measurement order prescribed by the applicable local regulations
*2 TWC: Three–way catalytic converter

Printed in Japan [I]
TOYOTA MOTOR CORPORATION
Pub. No. SDS478E

Land Cruiser

(Hardtop &Canvas Top)

FZJ71 – *0003553~, 7000307~* FZJ74 – *0001251~, 6000041~, 7000078~, 9000671~*
FZJ78 – *0001416~, 9000255~* FZJ79 – *0005355~, 6016241~, 8005964~, 9501224~*

TOYOTA QUALITY SERVICE

	FZJ
A	186 *(7.32)*
B	5–15 *(0.20–0.60)*
B	15–30 *(0.60–1.20)*
C	⬆ 25 *(0.98)*
mm *(in.)*	**SAE J1703 or FMVSS No.116 DOT3**

		FZJ
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–m, ft–lbf)*	Steel wheels 209 *(21.3, 154.2)* Aluminum wheels 131 *(13.4, 96.6)*	

	FZJ
mm *(in.)*	⬇ 40 *(1.60)*

		FZJ 71, 74, 78	FZJ 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°)*
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)*	

		FZJ 71, 74, 78	FZJ 79
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*1		⬆ 68 *(2.70)*	
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
196 N *(20 kgf, 44.1 lbf)*		7–9	
A		⬆ 1.0 *(0.039)*	
B		⬆ 30.0 *(1.181)*	⬆ 16.0 *(0.630)*
mm *(in.)*		—	⬆ 1.0 *(0.039)*
mm *(in.)*		—	⬆ 1.5 *(0.059)*
mm *(in.)*		—	⬇ 211.0 *(8.307)*
mm *(in.)*		—	⬇ 297.0 *(11.693)*

	FZJ
liter *(US qts, Imp. qts)*	2.7 *(2.9, 2.4)*
	API GL–4 or GL–5 SAE 75W–90
liter *(US qts, Imp. qts)*	1.5 *(1.6, 1.3)*
	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 LSD oil only SAE90 (⬆ –18°C *(0°F)*) SAE80W or 80W–90 (⬇ –18° *(0°F)*)

			Unladen vehicle		Fully laden vehicle	
Australia Kpa *(kgf/cm², psi)*	FZJ78	7.50R16 8PRLT	250*4 *(2.5, 36)*	275*4 *(2.75, 40)*	250 *(2.5, 36)*	475 *(4.75, 69)*
	FZJ79	7.50R16 8PRLT	250*5 *(2.5, 36)*		250 *(2.5, 36)*	475 *(4.75, 69)*
Others Kpa *(kgf/cm², psi)*	FZJ71, 74	7.50R16-6PRLT 7.50R16 112/107R 7.50R16-8PRLT 7.50R16C 112/110R	200*3 *(2.0, 29)*		200 *(2.0, 29)*	375 *(3.75, 54)*
		265/70R16 112S*1	180*3 *(1.8, 26)*		180 *(1.8, 26)*	220 *(2.2, 32)*
		255/70R16 109S*6 (FZJ71 only)	200*3 *(2.0, 29)*		200 *(2.0, 29)*	240 *(24, 34)*
	FZJ78, 79	7.50R16 112/107R 7.50R16C 112/110R 7.50R16-8PRLT	250 *(2.5, 36)* FZJ78*4,7 FZJ79*5,7	300 *(3.0, 44)* FJZ78*4,7 FZJ79*5,7	250*7 *(2.5, 36)*	475*7 *(4.75, 69)*
			200 *(2.0, 29)* FZJ78*4,6 FZJ79*5,6		200*6 *(2.0, 29)*	375*6 *(3.75, 54)*
		225/95 R16C 118/116R (FZJ79 only)	220*5 *(2.2, 32)*	260*5 *(2.6, 38)*	220 *(2.2, 32)*	450 *(4.5, 65)*
		265/70R16 115RLT (FZJ79 only)	250*5 *(2.5, 36)*		250 *(2.5, 36)*	350 *(3.5, 51)*

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*1 When brake pedal is depressed with force of 490 N (50 kgf, 110 lbf) while engine is running.
*2 With over fender
*3 Unladen with 2 occupants and 200 kg (440.9 lb.) of luggage or less
*4 Unladen with 2 occupants and 400 kg (881.8 lb.) of luggage or less
*5 Unladen with 2 occupants and 500 kg (1102.3 lb.) of luggage or less
*6 Only models for Venezuela
*7 Except models for Venezuela

Overseas Customer Service Technical Division: 01-040127-00