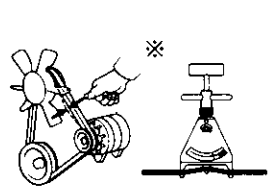
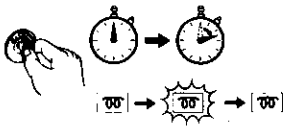
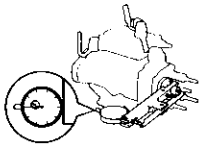
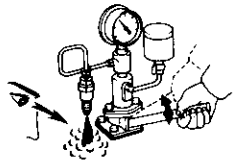
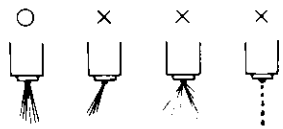
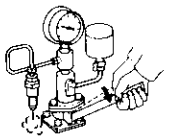
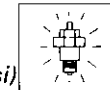
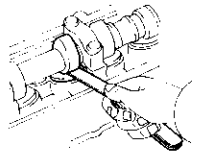
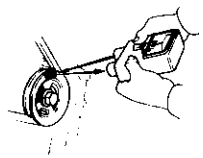
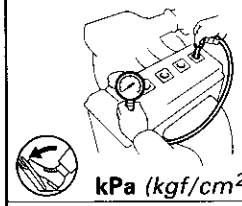
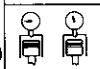
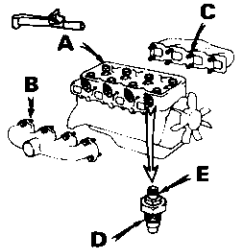
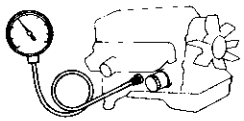
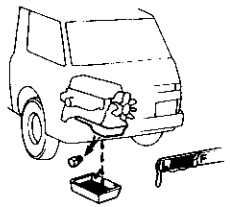
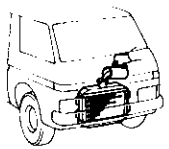
SDS TOYOTA Land Cruiser Diesel

(Hardtop & Canvas Top) HZJ70, 73, 75 Jan. '99

		1HZ
	cm³ or CC (cu. in.)	4164 (254.1)
 mm (in.) N (kgf)		8–11 (0.31–0.43) ※200–390 (20–40)
		16–22 (0.63–0.87) ※196–392 (20–40)
		—
 Ω	20°C (68°F)	0.75 (12V) 3.1 (24V)
 secs	20°C (68°F)	1.0
 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) 14710–15690 (150–160, 2133–2276)
 mm (in.)		0.15–0.25 (0.006–0.010)
		0.35–0.45 (0.014–0.018)

 rpm		600–700
		—
		4500–4700
 kPa (kgf/cm², psi)		3628 (37.0, 526)
		⬆ 2648 (27.0, 384)
		⬇ 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)
	E	46.6 (475, 34)
 kPa (kgf/cm², psi)	 3,000 rpm 	⬆ 29 (0.3, 4.3)
		245–588 (2.5–6.0, 36–85)

		1HZ
 liter (US qts, Imp. qts)		10.0 (10.6, 8.8)
		11.3 (11.9, 9.9)
		API CF-4 **(You may also use API CF, CE or API CD.)**
 liter (US qts, Imp. qts)		w/ Front Heater 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)
		—

*1 ACSD: Automatic Cold Start Device

Printed in Japan [1]

TOYOTA MOTOR CORPORATION

Pub. No. SDS409E

Land Cruiser Diesel
(Hardtop & Canvas Top)

HZJ70-*0003642~*, *8000534~* HZJ73-*8001929~*
HZJ75-*0047639~*, *5001149~*, *7000049~*, *8016103~*, *8550388~*, *9001016~*, *9502093~*

TOYOTA
QUALITY SERVICE

	HZJ
A	181.0–191.0 *(7.13–7.52)*
B	5–15 *(0.20–0.59)*
	15–30 *(0.59–1.18)*
C	⬆ 25 *(0.98)*
mm *(in.)*	SAE J1703 FMVSS No. 116 DOT3

	HZJ
A	166.5–176.5 *(6.56–6.95)*
B	3–6 *(0.12–0.24)*
C	⬆ 68 *(2.68)*
mm *(in.)*	SAE J1703 FMVSS No. 116 DOT3
196 N *(20 kgf, 44 lbf)*	7–9
A	⬇ 1.0 *(0.039)*
B	⬆ 18.0 *(0.709)* / ⬆ 16.0 *(0.630)*
mm *(in.)*	⬆ 1.0 *(0.039)*
mm *(in.)*	⬆ 1.5 *(0.059)*
mm *(in.)*	⬇ 211.9 *(8.34)*
mm *(in.)*	⬆ 297.0 *(11.693)*

N *(kgf, lbf)*	28–56 *(2.9–5.7, 6.4–12.6)*	25–56 *(2.6–5.7, 5.7–12.6)*
N·m *(kgf-cm, ft-lbf)*	157 *(1600, 116)*	

	HZJ
liter *(US qts, Imp. qts)*	4.9 *(5.2, 4.3)*
	API GL–4 or GL–5 SAE 90
liter *(US qts, Imp. qts)*	——
	——
w/ PTO	2.2 *(2.3, 1.9)*
	2.7 *(2.8, 2.3)*
liter *(US qts, Imp. qts)*	API GL–4 or GL–5 SAE 90
liter *(US qts, Imp. qts)*	2.6 *(2.7, 2.3)* / 2.5 *(2.6, 2.2)* 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
mm *(in.)*	⬇ 40 *(1.6)*

	HZJ 70, 73	HZJ 75L (R) V	HZJ 75L (R) P
A	1°±45′ *(1°±0.75°)*		
B	12°±45′ *(12°±0.75°)*		
C	3°15′±1° *(3.25°±1°)*	2°50′±1° *(2.83°±1°)*	2°30′±1° *(2.5°±1°)*
D	30° +0° −3°		
E+F	–0°06′±12′ *(–0.01°±0.2°)* 0.06°±12° *(0.01°±0.2°)*	(31×10.50R15-6PRLT / 265/75R15) (Others)	
E+F	0°24°±12′ *(0.4°±0.2°)*		
G–H	–1±2 *(–0.04±0.08)* 1±2 *(0.04±0.08)*	(31×10.50R15-6PRLT / 265/75R15) (Others)	
G–H mm *(in.)*	4±2 *(0.16±0.08)*		

Australia kPa *(kgf/cm², psi)*		7.50R16–8PRLT	225 *(2.25, 33)*	390 *(3.9, 57)*	240 *(2.4, 35)*	420 *(4.2, 61)*
Europe kPa *(kgf/cm², psi)*	HZJ70, 73	215/80R16	180 *(1.8, 26)*	200 *(2.0, 29)*	200 *(2.0, 29)*	200 *(2.2, 32)*
		265/75R15	180 *(1.8, 26)*	200 *(2.0, 29)*	180 *(1.8, 26)*	200 *(2.0, 29)*
	HZJ75	205R16C 8PR	220 *(2.2, 32)*	*450 (4.5, 65)*	*250 (2.5, 36)*	*450 (4.5, 65)*
General kPa *(kgf/cm², psi)*	HZJ70	7.50–16–6PRLT	180 *(1.8, 26)*	200 *(2.0, 29)*	180 *(1.8, 26)*	240 *(2.4, 35)*
		7.00R15–6PRLT	200 *(2.0, 29)*	275 *(2.75, 40)*	225 *(2.25, 33)*	300 *(3.0, 44)*
		7.50R16–6PRLT	200 *(2.0, 29)*	225 *(2.25, 33)*	225 *(2.25, 33)*	250 *(2.5, 36)*
		7.50R16–8PRLT	200 *(2.0, 29)*	225 *(2.25, 33)*	225 *(2.25, 33)*	250 *(2.5, 36)*
		31×10.5R15	180 *(1.8, 26)*	250 *(2.5, 36)*	210 *(2.1, 30)*	280 *(2.8, 41)*
	HZJ75	7.50–16–8PRLT	240 *(2.4, 35)*	350 *(3.5, 51)*	280 *(2.8, 41)*	400 *(4.0, 58)*
		7.50R16–8PRLT	225 *(2.25, 33)*	375 *(3.75, 54)*	250 *(2.5, 36)*	400 *(4.0, 58)*
		235/95R15C	180 *(1.8, 26)*	220 *(2.2, 32)*	180 *(1.8, 26)*	280 *(2.8, 41)*

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