SDS TOYOTA Land Cruiser Diesel

LJ120, 125
KZJ120, KDJ 120, 125

Jan. '04

		5L–E	1KZ–TE	1KD–FTV
	cm³ or CC (cu. in.)	2986 (182.2)	2982 (182.0)	
※ mm (in.) N (kgf)		10–14 (0.39–0.55) ※196–343 (20–35)	8–12 (0.31–0.47) ※300–500 (31–51)	———
		15–20 (0.59–0.79) ※196–392 (20–40)	15–21 (0.59–0.83) ※196–392 (20–40)	———
		10–15 (0.39–0.59) ※196–343 (20–35)	———	———
		———	———	Used / New
20°C (68°F) Ω		0.72		
20°C (68°F) secs		3.2	1.1	
mm (in.)		———		
		○ × × ×		———
kPa (kgf/cm², psi)		15200–16180 (155–165 2205–2347)	14710–15690 (150–160 2133–2276)	———
		15790–16570 (161–169 2290–2404)	15310–16090 (156–164 2220–2334)	———
mm (in.)		0.20–0.30 (0.008–0.012)		
		0.40–0.50 (0.016–0.020)	0.25–0.35 (0.010–0.014)	0.35–0.45 (0.014–0.017)

rpm		650–750		
		4750–5050	4450–4750	4500–4700
kPa (kgf/cm², psi)		3138 (32.0, 455)	3040 (31.0, 441)	2700 (27.5, 391)
		↑ 1961 (20.0, 284)		↑ 2200 (22.5, 320)
		↓ 490 (5.0, 71)		↓ 500 (5.0, 71)
N·m (kgf·cm, ft·lbf)	A	① 78 (800, 58) ② 90° ③ 90°	① 40 (408, 30) ② 90° ③ 90°	① 85 (867, 63) ② 90° ③ 90°
	B	23.5 (240, 17)	29 (296, 21)	
	C	52 (530, 38)		
	D	64 (653, 47)	54 (551, 40)	22 (224, 16)
	E	24.5 (250, 18)	15 (153, 11)	35 (357, 26)
kPa (kgf/cm², psi)		↑ 29 (0.3, 4.2)		
	3,000 rpm	294–539 (3.0–5.5 43–78)	↑ 245 (2.5, 36)	

	5L–E	1KZ–TE	1KD–FTV
liter (US qts, Imp. qts)	6.0 (6.3, 5.3)	6.3 (6.7, 5.5)	6.7 (7.1, 5.9)
	6.9 (7.3, 6.1)	7.0 (7.4, 6.2)	7.4 (7.8, 6.5)
	API CF-4 or CF (You may also use API CE or CD)		
liter (US qts, Imp. qts)	9.3 (9.8, 8.2)	12.4 (13.1, 10.9)	w/ Power heater 11.5 (12.2, 10.1) w/o Power heater 11.3 (11.9, 9.9)
	———	12.2 (12.9, 10.7)	w/ Power heater 11.2 (11.8, 9.9) w/o Power heater 11.0 (11.6, 9.7)

Printed in Japan [I]

TOYOTA MOTOR CORPORATION

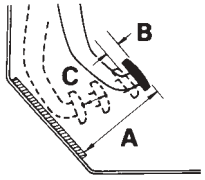
Pub. No. SDS480E

Land Cruiser Diesel

LJ120 – 0004503～ LJ125 – 0001151～ KDJ120 – 0026092～ KDJ125 – 0010324～
KZJ120 – 0010174～

TOYOTA QUALITY SERVICE

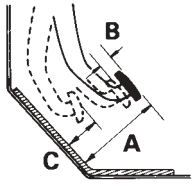
Front brake



A	197.9 – 207.9 (7.791 – 8.185)	193.9 – 203.9 (7.634 – 8.028)
B	5 – 15 (0.20 – 0.60)	
C	25 (0.98)	
	SAE J1703 or FMVSS No. 116 DOT3	

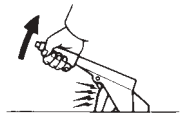
mm (in.)

Rear brake



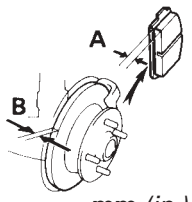
A	181.6 – 191.6 (7.150 – 7.543)	180.6 – 190.6 (7.110 – 7.504)
B	1 – 6 (0.04 – 0.24)	
C※1	※2 44 (1.73) ※3 55 (2.16)	
	SAE J1703 or FMVSS No. 116 DOT3	

mm (in.)



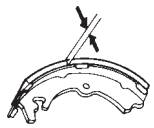
196 N (20 kgf, 44 lbf)

5 – 7

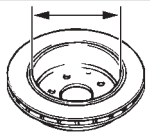


mm (in.)

A	1.0 (0.039)	
B	26 (1.024)	16 (0.63)

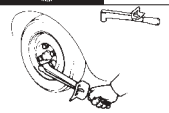


mm (in.) — 1.0 (0.039)



mm (in.) — 211 (8.307)

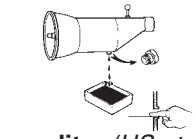
Wheel nut

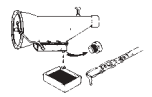


N·m (kgf·m, ft·lbf) — 113 (11.5, 83)

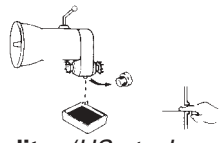
Engine oil

	LJ	KZJ, KDJ
liter (US qts, Imp. qts)	2.2 (2.3, 1.9)	
	API GL–4 or GL–5 SAE 75W–90	
liter (US qts, Imp. qts)	——	2.0 (2.1, 1.8)
	Toyota Genuine ATF TYPE T–IV	





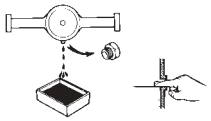
Transfer oil



liter (US qts, Imp. qts)

Full–time type	1.4 (1.5, 1.2)	
Part–time type	1.0 (1.1, 0.9)	
Full–time type	API GL–5	
Part–time type	API GL–3 SAE 75W–90	

Differential oil

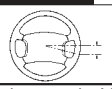


liter (US qts, Imp. qts)

Others	3-door model	1.4 (1.5, 1.2) — 2.4 (2.6, 2.1) (w/ Rr Differential lock); 2.5 (2.6, 2.2) (w/o Rr Differential lock)
Others	5-door model	1.4 (1.5, 1.2) — 3.0 (3.2, 2.6) (w/ Rr Differential lock); 3.1 (3.3, 2.7) (w/o Rr Differential lock)
Australia		1.4 (1.5, 1.2) — 3.0 (3.2, 2.6) (w/ Rr Differential lock); 3.1 (3.3, 2.7) (w/o Rr Differential lock)

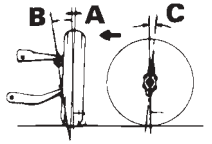
Hypoid gear oil API GL–5
With LSD use LSD oil only
SAE 90 (↑ –18°C (0°F))
SAE 80W or 80W–90 (↓ –18°C (0°F))

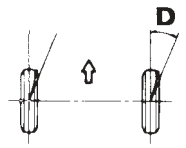
Steering wheel

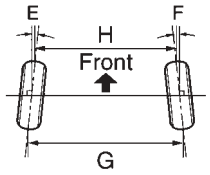


mm (in.) — LJ, KZJ, KDJ: ↓ 30 (1.2)

Wheel alignment

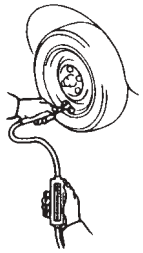






	3–door model	5–door model	
		Air suspention	Except air suspention
A	0°16′ ± 45′ (0.27° ± 0.75°)	0°19′ ± 45′ (0.32° ± 0.75°)	
B	12°14′ ± 45′ (12.23° ± 0.75°)	12°11′ ± 45′ (12.18° ± 0.75°)	
C	2°41′ ± 45′ (2.68° ± 0.75°)	2°56′ ± 45′ (2.93° ± 0.75°)	2°40′ ± 45′ (2.67° ± 0.75°)
D	36°20′ +1° −2° (36.33° +1° −2°)		
E+F	0°05′ ± 0°10′ (0.08° ± 0.16°)	0°10′ ± 0°10′ (0.16° ± 0.16°)	
G–H mm (in.)	1 ± 2 (0.04 + 0.08)	2 ± 2 (0.08+0.08)	

Tire and wheel



kPa (kgf/cm², psi)

225/70R17 108S	200 (2.0, 29)	200 (2.0, 29) 260 (2.7, 38)*2
225/70R17C 108S	200 (2.0, 29)	200 (2.0, 29) 290 (3.0, 42)*2
P265/65R17 110S	200 (2.0, 29)	200 (2.0, 29)
265/65R17 112S	200 (2.0, 29) 190 (1.9, 28)*3	200 (2.0, 29) 190 (1.9, 28)*3

*1: Standard inflation for all loads including full rated loads
*2: Australia

※1: When brake pedal is depressed with force of 490 N (50 kgf, 110 lbf) while engine is running.
※2: w/o Vehicle stability control system and active traction control system
※3: w/ Vehicle stability control system and active traction control system

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