SDS TOYOTA **Land Cruiser** (Hardtop & Canvas Top) **Diesel**

LJ 70, 72, 73, 79
KZJ 70, 73, 77
HZJ 70, 73, 75

Jan. '95

		3L	1KZ-T	1HZ
	cm³ or CC (cu. in.)	2779 (169.6)	2982 (182.0)	4164 (254.1)
※ mm (in.) N (kgf)		10-14 (0.39-0.55) ※196-343 (20-35)	8-12 (0.31-0.47) ※196-343 (20-35)	8-11 (0.31-0.43) ※196-343 (20-35)
		17-21 (0.67-0.83) ※196-343 (20-35)	15-21 (0.59-0.83) ※196-343 (20-35)	16-22 (0.63-0.87) ※196-343 (20-35)
		10-15 (0.39-0.59) ※195-395 (20-40)	—	
20°C (68°F) Ω		0.65		1.15 (12V) 2.90 (24V)
20°C (68°F) secs		5.0	2.1	2.4 (12V-Austria) 5.0 (12V-Others) 1.5 (24V)
mm (in.)		w/ACSD 0.54—0.66 (0.0213-0.0260) (U.S.S.R) w/o ACSD 0.84—0.96 (0.0331-0.0378) (Others)	0.39—0.43 (0.0154-0.0169) (Europe) 0.58—0.62 (0.0228-0.0244) (Others)	0.75—0.81 (0.0296-0.0319) (Europe) 1.03—1.09 (0.0406-0.0429) (Others)
		○	×	× ×
kPa (kgf/cm², psi)		14220—15200 (145—155 / 2062—2205)	14808—15593 (151—159 / 2148—2261)	13239—15200 (135—155 / 1920—2204)
		14808—15593 (151—159 / 2148—2261)		14220—15200 (145—155 / 2062—2204)
mm (in.)		0.20—0.30 (0.008—0.012)		0.15—0.25 (0.006—0.010)
		0.40—0.50 (0.016—0.020)	0.25—0.35 (0.010—0.014)	0.35—0.45 (0.014—0.018)

		700	650
rpm		—	
		(Hong Kong, Singapore, Malaysia) 4400 (U.S.S.R.) 4800 (Others) 4600	4600
kPa (kgf/cm², psi)		3138 (32.0, 455)	3040 (31.0, 441)	3628 (37.0, 526)
		⬆1961 (20.0, 284)		⬆2648 (27.0, 384)
		⬇490 (5.0, 71)		
N·m (kgf-cm, ft-lbf)	A	①78 (800, 58) ②90° ③90°	①39 (400, 29) ②90° ③90°	①69 (700, 51) ②90° ③90°
	B	24 (240, 17)	29 (290, 21)	20 (200, 14)
	C	52 (530, 38)		43 (425, 31)
	D	64 (650, 47)		
	E	29 (300, 22)		37 (375, 27)
kPa (kgf/cm², psi)		⬆29 (0.3, 4.3)		
	3,000 rpm	294—539 (3.0—5.5 / 43—78)	250—600 (2.5—6.1 / 36—87)	245—588 (2.5—6.0 / 36—85)

	3L	1KZ-T	1HZ
liter (US qts, Imp. qts)	5.7 (6.0, 5.0)	7.0 (7.4, 6.2)	8.2 (8.7, 7.2)
	6.7 (7.7, 5.9)	7.7 (8.1, 6.8)	9.5 (10.0, 8.5)
	API CD or better (Europe) API CC, CD or better (Others)	API CD or better	API CD or better (Europe) API CC, CD or better (Others)
liter (US qts, Imp. qts)	w/ Front Heater 10.9 (11.5, 9.6) w/ Front and Rear Heater 11.5 (12.2, 10.1) w/o Heater 10.0 (10.6, 8.8)	w/ Front Heater 11.0 (11.6, 9.7) w/ Front and Rear Heater 12.0 (12.7, 10.6) w/o Heater 10.1 (10.7, 8.9) (Europe) 10.0 (10.6, 8.8) (Others)	w/ Front Heater 10.4 (11.0, 9.2) w/ Front and Rear Heater 11.4 (12.0, 10.0) w/o Heater 9.7 (10.3, 8.5)

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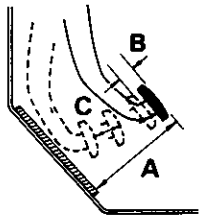
Land Cruiser Diesel

(Hardtop & Canvas Top)

LJ70-9061972~ LJ72-005711~ LJ73-9021243~ LJ79-0010750~
KZJ70-8004617~, 9000208~ KZJ73-8003114~ KZJ77-0001575~, 8000108~
HZJ70-0001442~ HZJ73-8001170~ HZJ75-8529972~, 9000375~

TOYOTA
QUALITY SERVICE

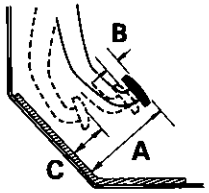
	LJ	KZJ	HZJ
A	175.0-185.0 (6.89-7.28)		178.7-188.7 (7.04-7.43)
B	5—15 (0.20-0.59)		
B	—		15.0-30.0 (0.59-1.18)
C	⬆25 (0.98)		



mm (in.)

SAE J1703
FMVSS No. 116 DOT3

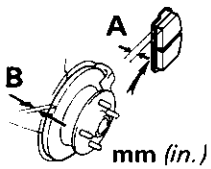
	LJ·KZJ	HZJ
A	160.5-170.5 (6.32-6.71)	164.2-174.2 (6.46-6.86)
B	3—6 (0.12-0.24)	
C	⬆68 (2.68)	



mm (in.)

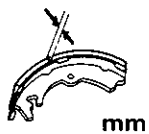
SAE J1703
FMVSS No. 116 DOT3

196N (20kgf, 44lbf) — 7—9



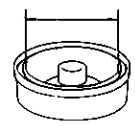
mm (in.)

	LJ·KZJ	HZJ
A	⬇1.0 (0.039)	
B	⬆18.0 (0.709)	⬆16.0 (0.630)



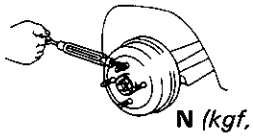
mm (in.)

—		⬆1.0 (0.039)
—		⬆1.5 (0.059) (PZJ, HZJ) ⬆1.0 (0.039) (LJ, KZJ)



mm (in.)

—	⬇211 (8.31)
—	⬇297.0 (11.693)



N (kgf, lbf)

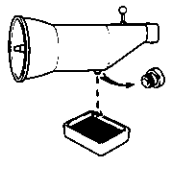
28—56 (2.9—5.7) (6.4—12.6)	25—56 (2.6—5.7) (5.7—12.6)



N·m (kgf-cm, ft-lbf)

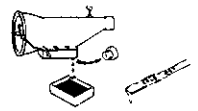
157 (1600 116)

	LJ	KZJ	HZJ
I 3 / 2 4 R	2.8 (3.0, 2.5)	—	—
I 3 5 / 2 4 R	2.6 (2.7, 2.3) (G52) 3.0 (3.2, 2.6) (R150F)	3.0 (3.2, 2.6)	4.9 (5.2, 4.3)

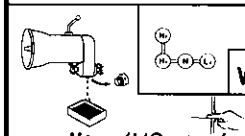


liter (US qts, Imp. qts)

API GL-4 or GL-5
SAE 75W-90 (LJ, KZJ)
SAE90 (HZJ)



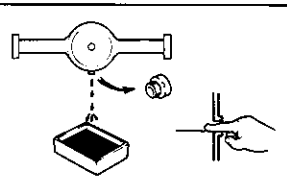
liter (US qts, Imp. qts) — —



liter (US qts, Imp. qts)

		LJ·KZJ		HZJ	
w/PTO		2.1 (2.2, 1.8)	—	2.2 (2.3, 1.9)	2.7 (2.8, 2.3)

API GL-4 or GL-5
SAE 90

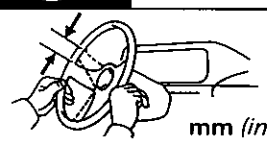


liter (US qts, Imp. qts)

LJ·KZJ		HZJ	
1.98 (1.7)	1.85 (1.6)	2.6 (2.3)	2.5 (2.2)

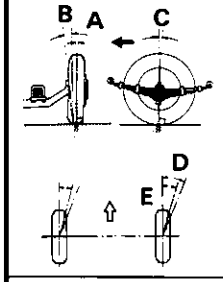
Hypoid gear oil API GL-5
With LSD use LSD oil only
SAE 90 (⬆ −18°C (0°F))
SAE 80W, 80W-90 (⬇ −18°C (0°F))

LJ·KZJ·HZJ
⬇40 (1.6)

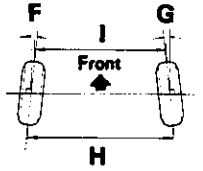


mm (in.)

	LJ KZJ	HZJ 70, 73	HZJ 75L(R) V	HZJ 75L(R) P
A	1°±45′			
B	12°±45′			
C	4°00′ ±1°	3°15′ ±1°	2°50′ ±1°	2°30′ ±1°
D	32° +0° −3°	30° +0° −3°		
E	21°	22°		



F+G		−0°06′±12′ (31×10.50R15-6PRLT) (265/75R15) 0°06′±12′ (Others)
		0°24′±12′
H−I mm (in.)		−1±2 (−0.04±0.08) (31×10.50R15-6PRLT) (265/75R15) 1±2 (0.04±0.08) (Others)
		4±2 (0.16±0.08)



Australia kPa (kgf/cm², psi)	HZJ75	7.50R16-8PRLT	220 (2.2, 32)	390 (3.9, 55)	240 (2.4, 34)	420 (4.2, 60)
Europe kPa (kgf/cm², psi)	KZJ70, 73	215/80R16 107S	160 (1.6, 23)	200 (2.0, 29)	180 (1.8, 26)	240 (2.4, 35)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	180 (1.8, 26)	200 (2.0, 29)
	KZJ77	215/80R16 107S	180 (1.8, 26)	260 (2.6, 38)	—	—
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	—	—
	HZJ70, 73	215/80R16 107S	180 (1.8, 26)	200 (2.0, 29)	200 (2.0, 29)	220 (2.2, 32)
		265/75R15 112S	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)
		31×10.50R15-6PRLT	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)
		7.50R16-6PRLT	225 (2.25, 33)	350 (3.5, 51)	250 (2.5, 36)	375 (3.75, 54)
		7.50R16-8PRLT	225 (2.25, 33)	375 (3.75, 54)	250 (2.5, 36)	400 (4.0, 58)
		235 95RC 116N	180 (1.8, 26)	220 (2.2, 32)	180 (1.8, 26)	280 (2.8, 41)
	LJ72 KZJ70	7.50-16-6PRLT	180 (1.8, 26)	180 (1.8, 26)	180 (1.8, 26)	220 (2.2, 32)
		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)
		205R16C 6PR	170 (1.7, 25)	200 (2.0, 29)	170 (1.7, 25)	240 (2.4, 35)
		31×10.50R15-6PRLT	180 (1.8, 26)	210 (2.1, 30)	180 (1.8, 26)	250 (2.5, 36)
	LJ79 KZJ77	7.50-16-6PRLT	180 (1.8, 26)	260 (2.6, 38)	180 (1.8, 26)	300 (3.0, 44)
		7.50R16-6PRLT	225 (2.25, 33)	350 (3.5, 51)	250 (2.5, 36)	375 (3.75, 54)
		205R16C 6PR	200 (2.0, 29)	320 (3.2, 46)	200 (2.0, 29)	360 (3.6, 52)
		31×10.50R15-6PRLT	190 (1.9, 28)	280 (2.8, 41)	190 (1.9, 28)	300 (3.0, 44)

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