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

LJ70, 72, 73, 77, 79
PZJ70, 73, 75
HZJ70, 73, 75

Jan. '90

		2L-T	3L	1PZ	1HZ
CC (cu. in)		2446 (149.3)	2779 (169.6)	3470 (211.7)	4164 (254.1)
mm (in)		10 – 15 (0.39 – 0.59)		8 – 11 (0.31 – 0.43)	
		17 – 21 (0.67 – 0.83)		16 – 22 (0.63 – 0.87)	
		10 – 14 (0.39 – 0.55)		—	
		Continue			
secs	Bangladesh Europe Australia	1.6 (Austria)	2.8	2.4 (12V)	1.4 (24V)
	General	2.8 (Others)		6.0 (12V)	5.0 (24V)
mm (in)		0.54 – 0.66 (0.0213 – 0.0260)	0.84 – 0.96 (0.0331 – 0.0378)	0.82 – 0.88 (0.0323 – 0.0346)	1.03 – 1.09 (0.0406 – 0.0429)
		○	×	×	×
kg/cm² (psi, kPa)		145 – 155 (2062 – 2204, 14220 – 15200)		135 – 155 (1920 – 2204, 13239 – 15200)	
		151 – 159 (2147 – 2261, 14808 – 15593)		145 – 155 (2062 – 2204, 14220 – 15200)	
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)		0.35 – 0.45 (0.014 – 0.018)	

rpm		750	700	650	
		—	—	—	710
		4800	4400 (Hong kong, Singapore, Malaysia) 4600 (Others)	4600	
kg/cm² (psi, kPa)		31.0 (441, 3040)	32.0 (455, 3138)	37.0 (526, 3628)	
		⬆20.0 (284, 1961)		⬆27.0 (384, 2648)	
		⬇5.0 (71, 490)			
kg-cm (ft-lb, N·m)	A	①800 (58, 78) ②90° ③90°		①700 (51, 69) ②90° ③90°	
	B	240 (17, 24)		200 (14, 20)	
	C	530 (38, 52)		400 (29, 39)	
	D	650 (47, 64)			
	E	375 (27, 37)			
kg/cm² (psi, kPa)		⬆0.3 (4.3, 29)			
	3,000 rpm	3.0 – 5.5 (43 – 78, 294 – 539)		⬆2.5 (36, 245)	

	2L-T	3L	1PZ	1HZ
liter (US qts, Imp. qts)	5.7 (6.0, 5.0)		7.7 (8.1, 6.8)	8.2 (8.7, 7.2)
	6.7 (7.1, 5.9)		9.0 (9.5, 7.9)	9.5 (10.0, 8.4)
	API CD or better	API CC, CD or better	Europe API CD or better Others API CC, CD or better	
liter (US qts, Imp. qts)	10.9 (11.5, 9.6) (w/ Front Heater)		10.3 (10.9, 9.1)	10.6 (11.2, 9.3)
	11.5 (12.2, 10.1) (w/ Front and Rear Heater)		—	10.4 (11.0, 9.2)

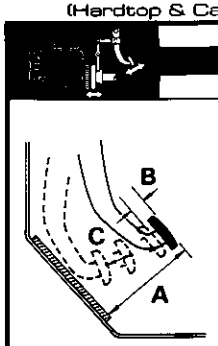
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Land Cruiser Diesel
(Hardtop & Canvas Top)

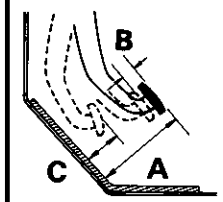
LJ70-08500033~, 09048460~ LJ73-09014249
LJ72, 77, 79 PZJ70, 73, 75 HZJ70, 73, 75

TOYOTA
QUALITY SERVICE



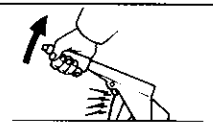
		LJ	PZJ	HZJ
A		181 (7.13)		
B		13.0–23.0 (0.51–0.91)		
		—	15.0–30.0 (0.59–1.18)	
C		↑25 (0.98)		
SAE J1703 FMVSS No.116 DOT3				

mm (in)



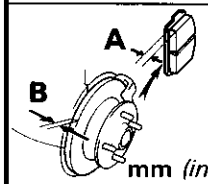
A		161–171 (6.34–6.73)
B		3–6 (0.12–0.24)
C		↑68 (2.68)
		↑ 90 (3.54) (PZJ, HZJ-75) ↑100 (3.94) (PZJ, HZJ-70, 73) ↑105 (4.13) (LJ)
SAE J1703 FMVSS No.116 DOT3		

mm (in)



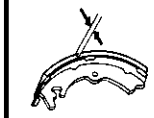
20kg (44lb, 196N)

7–9



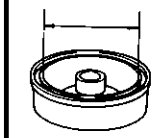
mm (in)

A		↑4.0 (0.157) (Australia) ↑1.0 (0.039) (Others)	↑1.0 (0.039)
B		↑18.0 (0.709)	↑16.0 (0.630)
		↑11.5 (0.453)	—



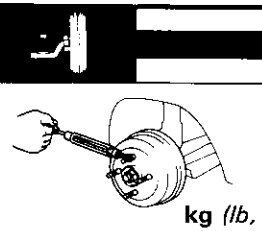
mm (in)

	↑1.5 (0.059) (PZJ, HZJ)	↑1.0 (0.039)
	↑1.0 (0.039) (LJ)	↑1.5 (0.059) (PZJ, HZJ) ↑1.0 (0.039) (LJ)



mm (in)

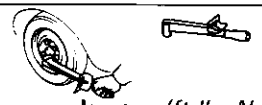
	↓297.0 (11.693) (PZJ, HZJ)	↓211 (8.31)
	↓281.4 (11.079) (LJ)	↓297.0 (11.693) (PZJ, HZJ) ↓256.0 (10.079) (LJ)

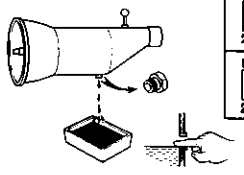


kg (lb, N)

	2.8–5.7 (6.2–12.6) (27–56)	2.6–5.7 (5.7–12.6) (25–56)
	1600 (116) (157)	

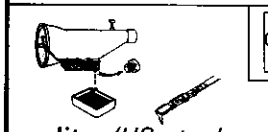
kg-cm (ft-lb, N·m)





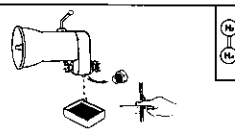
liter (US qts, Imp. qts)

	LJ	PZJ	HZJ
I 3 / 2 4 R	2.8 (3.0, 2.5)	3.2 (3.4, 2.8)	3.5 (3.7, 3.1)
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)
	API GL-4 or GL-5 SAE 75W-90		



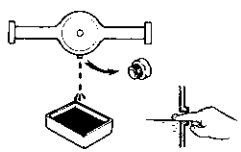
liter (US qts, Imp. qts)

	—	6.0 (6.3, 5.3)
		ATF DEXRON® II



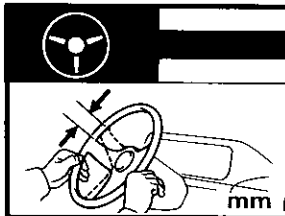
liter (US qts, Imp. qts)

2.1 (2.2, 1.8) (G40, G52) 2.2 (2.3, 1.9) (R150F)	2.2 (2.3, 1.9)	2.2 (2.3, 1.9) (H41, H55F) 2.1 (2.2, 1.8) (A440F)
API GL-4 or GL-5 SAE 90		



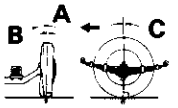
liter (US qts, Imp. qts)

1.98 (2.1, 1.7)	1.85 (2.0, 1.6)	2.6 (2.7, 2.3)	2.5 (2.6, 2.2)
API GL-5 With LSD use LSD oil only SAE 90(↑–18°C(0°F)) SAE 80W, 80W-90(↓–18°C(0°F))			

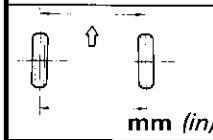


mm (in)

LJ·PZJ·HZJ
↓40 (1.57)

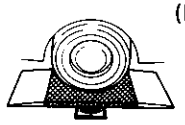


	LJ	PZJ, HZJ 70, 73	PZJ, HZJ 75L(R) V	PZJ, HZJ 75L(R) P
A	1°±45′			
B	12°±45′			
C	4°05′ ±1°	1°15′ ±1°	0°50′ ±1°	0°30′ ±1°
D	32°+0°−3°	30°+0°−3° (7.50-16-8PRLT, 7.50R16-8PRLT, 9.00-16-6PRLT, 7.50-16-6PRLT) 32°+0°−3° (Others)		
E	21°	22°		



mm (in)

	−1±1 (−0.04±0.04) (31×10.50R15-6PRLT, 265/75R15) 1±1 (0.04±0.04) (Others)
	4±1 (0.16±0.04)



(Reference only)

mm (in)

↓3.0 (0.118)

			↓80km/h		↑80km/h	
Australia kPa (kg/cm², psi)	LJ70	205R16C 6PR	170 (1.7, 25)	220 (2.2, 32)	170 (1.7, 25)	260 (2.6, 38)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	180 (1.8, 26)	200 (2.0, 29)
	PZJ70, 73 HZJ70, 73	7.50R16-6PRLT	200 (2.0, 29)	350 (3.5, 51)	240 (2.4, 35)	350 (3.5, 51)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	180 (1.8, 26)	200 (2.0, 29)
	HZJ75	7.50R16-8PRLT	220 (2.2, 32)	390 (3.9, 57)	240 (2.4, 35)	420 (4.2, 61)
Europe kg/cm² (psi, kPa)	LJ70, 73	7.00-16-6PRLT	1.8 (26, 180)	2.4 (35, 240)	1.8 (26, 180)	2.6 (38, 260)
		215/80R16 107S	1.6 (23, 160)	2.0 (29, 200)	1.8 (26, 180)	2.2 (32, 220)
		265/75R15 112S	1.8 (26, 180)	2.0 (29, 200)	1.8 (26, 180)	2.0 (29, 200)
	LJ77	215/80R16 107S	1.8 (26, 180)	2.6 (38, 260)	2.0 (29, 200)	2.8 (41, 280)
		265/75R15 112S	1.8 (26, 180)	2.0 (29, 200)	1.8 (26, 180)	2.0 (29, 200)
	PZJ75	7.50-16-8PRLT	2.4 (34, 240)	3.5 (50, 350)	2.4 (34, 240)	4.0 (57, 400)
		205R16C 8PR	2.2 (31, 220)	4.5 (64, 450)	2.5 (36, 250)	4.5 (64, 450)
	PZJ70, 73 HZJ70, 73	215/80R16 107S	1.8 (26, 180)	2.0 (29, 200)	2.0 (29, 200)	2.2 (31, 220)
		265/75R15 112S	1.8 (26, 180)	2.0 (29, 200)	1.8 (26, 180)	2.0 (29, 200)
General kg/cm² (psi, kPa)	LJ70, 72	7.00-15-6PRLT	1.8 (26, 180)	2.2 (32, 220)	1.8 (26, 180)	2.6 (38, 260)
		7.00-16-6PRLT	1.8 (26, 180)	2.0 (29, 200)	1.8 (26, 180)	2.4 (35, 240)
		7.50-16-6PRLT	1.8 (26, 180)	1.8 (26, 180)	1.8 (26, 180)	2.2 (32, 220)
		205R16C 6PR	1.7 (25, 170)	2.0 (29, 200)	1.7 (25, 170)	2.4 (35, 240)
		31×10.50R15-6PRLT	1.8 (26, 180)	2.1 (30, 210)	1.8 (26, 180)	2.5 (36, 250)
	LJ77, 79	7.00-16-6PRLT	2.1 (30, 210)	3.25 (47, 325)	2.1 (30, 210)	3.25 (47, 325)
		205R16C 6PR	2.0 (29, 200)	3.2 (46, 320)	2.0 (29, 200)	3.6 (52, 360)
		31×10.50R15-6PRLT	1.9 (28, 190)	2.8 (41, 280)	1.9 (28, 190)	3.0 (44, 300)
	PZJ70, 73	7.00-15-6PRLT	1.8 (26, 180)	2.6 (37, 260)	2.2 (31, 220)	3.0 (43, 300)
		7.00-16-6PRLT	1.8 (26, 180)	2.4 (34, 240)	2.2 (31, 220)	2.8 (40, 280)
		7.50-16-6PRLT	1.8 (26, 180)	2.0 (28, 200)	1.8 (26, 180)	2.4 (34, 240)
		7.50R16-8PRLT (Gold master)	2.0 (29, 200)	2.25 (32, 225)	2.25 (32, 225)	2.5 (36, 250)
		31×10.50R15-6PRLT	1.8 (26, 180)	2.5 (36, 250)	2.1 (30, 210)	2.8 (40, 280)
	PZJ75 HZJ75	7.00-16-8PRLT	2.4 (34, 240)	3.5 (50, 350)	2.4 (34, 240)	4.0 (57, 400)
		7.50-16-6PRLT	1.8 (26, 180)	—	1.8 (26, 180)	—
		7.50-16-8PRLT	—	3.5 (50, 350)	—	4.0 (57, 400)
		7.50-16-8PRLT	2.4 (34, 240)	4.25 (60, 425)	2.8 (40, 280)	4.25 (60, 425)
		7.50R16-8PRLT (Gold master)	2.25 (32, 225)	3.75 (53, 375)	2.5 (36, 250)	4.0 (57, 400)

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