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

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

Aug. '92

		2L-T	3L	1PZ	1HZ
cm³ or CC (cu. in.)		2446 (149.3)	2779 (169.6)	3470 (211.7)	4164 (254.1)
mm (in.)		10 – 14 (0.39 – 0.55)		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)
		○	×	×	×
kPa (kgf/cm², psi)		14220 – 15200 (145 – 155 / 2062 – 2204)		13239 – 15200 (135 – 155 / 1920 – 2204)	
		14808 – 15593 (151 – 159 / 2147 – 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)		0.35 – 0.45 (0.014 – 0.018)	

※ (Austria) Check that the punch mark of the belt case is aligned with the pump flange.

		750	700	650	
rpm		—	—	—	—
		4800	4400 (Hong Kong, Singapore, Malaysia) 4600 (Others)	4600	
kPa (kgf/cm², psi)		3040 (31.0, 441)	3138 (32.0, 455)	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°		①69 (700, 51) ②90° ③90°	
	B	24 (240, 17)		20 (200, 14)	
	C	52 (530, 38)		39 (400, 29)	
	D	64 (650, 47)			
	E	29 (300, 22)			
kPa (kgf/cm², psi)		⬆29 (0.3, 4.3)			
	3,000 rpm	294 – 539 (3.0 – 5.5 / 43 – 78)		⬆245 (2.5, 36)	

	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)	w/Front Heater		w/o Heater	
	10.9 (11.5, 9.6)		9.6 (10.1, 8.4)	9.9 (10.5, 8.7)
	w/Front and Rear Heater		w/Front Heater	
	11.5 (12.2, 10.1)		10.3 (10.9, 9.1)	10.6 (11.2, 9.3)
			w/Front and Rear Heater	
			11.3 (11.9, 9.9)	11.6 (12.3, 10.2)

Printed in Japan C

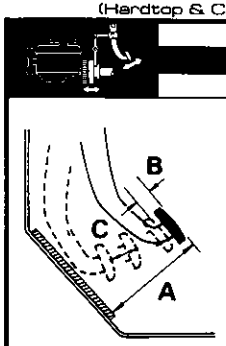
TOYOTA MOTOR CORPORATION Pub. No. SDS232E

Land Cruiser Diesel

(Hardtop & Canvas Top)

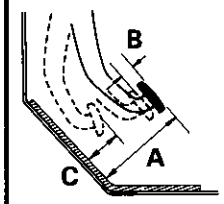
LJ 70-9057151~, 9502338~ LJ 72-0003099~ LJ 73-9019205~ LJ 77-0001490~, 8000367~
LJ 79-0005481~ PZJ 70-0004684~ PZJ 73 PJZ 75-0004998~, 8000566~, 8500916~
HZJ 70-8000149~, 7000040~ HZJ 73-0003636~, 8000630~ HZJ 75-0009147~, 8003091~, 8510163~

TOYOTA
QUALITY SERVICE



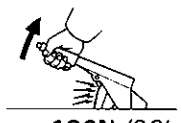
		LJ	PZJ	HZJ
A		181 (7.13)		
B		13.0–23.0 (0.51–0.91)		
		—	15.0–30.0 (0.59–1.18)	
C		↑25 (0.98)		
SAE J1703 FMVSS No.116 DOT3				

mm (in.)

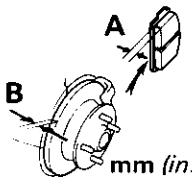


A	161–171 (6.34–6.73)	
B	3–6 (0.12–0.24)	
C	↑68 (2.68)	
SAE J1703 FMVSS No.116 DOT3		

mm (in.)

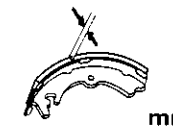


196N (20kgf, 44lbf) — 7–9



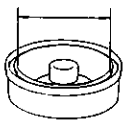
A		↑4.0 (0.157) (Australia) ↑1.0 (0.039) (Others)	↑1.0 (0.039)
B		↑18.0 (0.709)	↑16.0 (0.630)
		↑11.5 (0.453)	—

mm (in.)



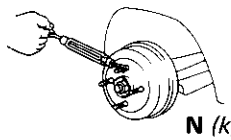
	—	↑1.0 (0.039)
		↑1.5 (0.059) (PZJ, HZJ) ↑1.0 (0.039) (LJ)

mm (in.)

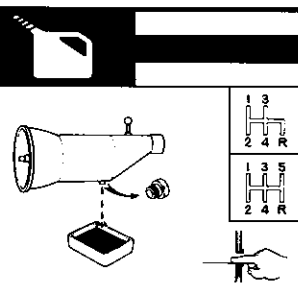


	—	↓211 (8.31)
		↓297.0 (11.693) (PZJ, HZJ) ↓256.0 (10.079) (LJ)

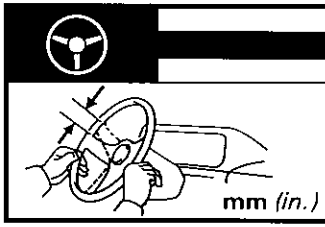
mm (in.)



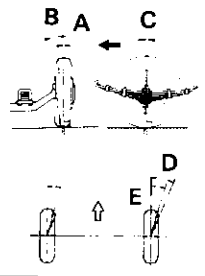
	LJ	PZJ, HZJ
N (kgf, lbf)	27–56 (2.8–5.7 / 6.2–12.6)	25–56 (2.6–5.7 / 5.7–12.6)
N·m (kgf-cm, ft-lbf)	157 (1600 / 116)	



	LJ	PZJ	HZJ
1 3 5 / 2 4 R	2.8 (3.0, 2.5)	3.2 (3.4, 2.8)	—
1 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 / PZJ) SAE90 (HZJ)		
1 3 5 / 2 4 R	—	—	
liter (US qts, Imp. qts)	—	—	
w/PTO	2.1 (2.2, 1.8)	2.2 (2.3, 1.9)	2.2 (2.3, 1.9)
w/PTO	2.6 (2.7, 2.2)	2.7 (2.8, 2.3)	2.7 (2.8, 2.3)
liter (US qts, Imp. qts)	API GL-4 or GL-5 SAE 90		
	1.98 (2.1 / 1.7)	1.85 (2.0 / 1.6)	2.6 (2.7, 2.3)	2.5 (2.6, 2.2)
liter (US qts, Imp. qts)	API GL-5 With LSD use LSD oil only SAE 90 (↑ −18°C (0°F)) SAE 80W, 80W-90 (↓ −18°C (0°F))			



	LJ·PZJ·HZJ
mm (in.)	↓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°00′ ±1°	3°15′ ±1°	2°50′ ±1°	2°30′ ±1°
D		32° +0° −3°			
E		21°	22°		
F+G		−0.1°±0.2° (31×10.50R15-6PRLT / 265/75R15) 0.1°±0.2° (Others)			
		0.4°±0.2°			
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)	HZJ70	7.50R16-6	200 (2.0, 28)	350 (3.5, 51)	240 (2.4, 34)	350 (3.5, 51)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 28)	180 (1.8, 26)	200 (2.0, 28)
	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)	LJ70, 73	215/80R16 107S	160 (1.6, 23)	200 (2.0, 29)	180 (1.8, 26)	220 (2.2, 32)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	180 (1.8, 26)	200 (2.0, 29)
	LJ77	215/80R16 107S	180 (1.8, 26)	260 (2.6, 38)	200 (2.0, 29)	280 (2.8, 41)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	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)	PZJ70, 73	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)
	HZJ PZJ75	7.50-16-8PRLT	240 (2.4, 35)	350 (3.5, 51)	280 (2.8, 41)	400 (4.0, 58)
		7.50R16-6PRLT(FR)	225 (2.25, 33)	—	250 (2.5, 36)	—
		7.50R16-8PRLT(RR)	—	375 (3.75, 54)	—	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	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)
	LJ77, 79	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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