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

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

Jan. '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)
secs — 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.

rpm	750	700	650 / 710
	———	———	——— / 710
	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	37 (375, 27)		
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)	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)

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.)

	LJ	PZJ	HZJ
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)	—
		—	↑1.0 (0.039)
		—	↑1.5 (0.059) (PZJ, HZJ) ↑1.0 (0.039) (LJ)
		—	↓211 (8.31)
		—	↓297.0 (11.693) (PZJ, HZJ) ↓256.0 (10.079) (LJ)

mm (in.)

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
liter (US qts, Imp. qts)	2.8 (3.0, 2.5)	3.2 (3.4, 2.8)	—
	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 (LJ, PZJ) SAE90 (HZJ)		
liter (US qts, Imp. qts)	—		
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) (G52) 2.1 (2.2, 1.8) (R150F)
	2.6 (2.7, 2.2)	2.7 (2.8, 2.3)	2.7 (2.8, 2.3) (G52) 2.6 (2.7, 2.2) (R150F)
	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))		

	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)			
F+G	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)			
H−I mm (in.)	4±2 (0.16±0.08)			

Australia kPa (kgf/cm², psi)	LJ70	205R16C 6PR	170 (1.7, 25)	220 (2.2, 32)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)
	HZJ70	7.50R16-6PRLT	200 (2.0, 29)	350 (3.5, 51)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)
	HZJ75	7.50R16-8PRLT	220 (2.2, 32)	390 (3.9, 57)
Europe kPa (kgf/cm², psi)	LJ70, 73	7.00-16-6PRLT	180 (1.8, 26)	240 (2.4, 35)
		215/80R16 107S	160 (1.6, 23)	200 (2.0, 29)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)
	LJ77	215/80R16 107S	180 (1.8, 26)	260 (2.6, 38)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)
	PZJ75	7.50-16-8PRLT	240 (2.4, 34)	350 (3.5, 50)
		205R16C 8PR	220 (2.2, 31)	450 (4.5, 64)
	HZJ70, 73	215/80R16 107S	180 (1.8, 26)	200 (2.0, 29)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)
General kPa (kgf/cm², psi)	LJ72	7.00-15-6PRLT	180 (1.8, 26)	220 (2.2, 32)
		7.00R15-6PRLT	200 (2.0, 29)	275 (2.75, 40)
		7.50-16-6PRLT	180 (1.8, 26)	180 (1.8, 26)
		205R16C 6PR	170 (1.7, 25)	200 (2.0, 29)
		31×10.50R15-6PRLT	180 (1.8, 26)	210 (2.1, 30)
		7.50R16-6PRLT	200 (2.0, 29)	225 (2.25, 33)
	LJ77, 79	7.50-16-6PRLT	180 (1.8, 26)	260 (2.6, 38)
		7.50R16-6PRLT	225 (2.25, 33)	350 (3.5, 51)
		205R16C 6PR	200 (2.0, 29)	320 (3.2, 46)
		31×10.50R15-6PRLT	190 (1.9, 28)	280 (2.8, 41)
	PZJ70, 73	7.00-15-6PRLT	180 (1.8, 26)	260 (2.6, 37)
		7.00R15-6PRLT	200 (2.0, 29)	275 (2.75, 40)
		7.50-16-6PRLT	180 (1.8, 26)	200 (2.0, 28)
		7.50R16-8PRLT	200 (2.0, 29)	225 (2.25, 32)
		7.50R16-6PRLT	200 (2.0, 29)	225 (2.25, 32)
		31×10.50R15-6PRLT	180 (1.8, 26)	250 (2.5, 36)
	PZJ75 HZJ75	7.50R16-6PRLT	225 (2.25, 32)	350 (3.5, 50)
		7.50-16-6PRLT	180 (1.8, 26)	—
		7.50-16-8PRLT	—	350 (3.5, 50)
		7.50-16-8PRLT	240 (2.4, 34)	350 (3.5, 50)
		7.50R16-8PRLT	225 (2.25, 32)	375 (3.75, 53)
		235/95R15C	180 (1.8, 26)	220 (2.2, 32)

Australia kPa (kgf/cm², psi)	LJ70	205R16C 6PR	250 (2.5, 36) / 375 (3.75, 53)
		265/75R15 112S	180 (1.8, 26) / —
	HZJ70	7.50R16-6PRLT	240 (2.4, 35) / 350 (3.5, 51)
		265/75R15 112S	180 (1.8, 26) / 200 (2.0, 29)
	HZJ75	7.50R16-8PRLT	240 (2.4, 35) / 420 (4.2, 61)
Europe kPa (kgf/cm², psi)	LJ70, 73	7.00-16-6PRLT	180 (1.8, 26) / 260 (2.6, 38)
		215/80R16 107S	180 (1.8, 26) / 220 (2.2, 32)
		265/75R15 112S	180 (1.8, 26) / 200 (2.0, 29)
	LJ77	215/80R16 107S	200 (2.0, 29) / 280 (2.8, 41)
		265/75R15 112S	180 (1.8, 26) / 200 (2.0, 29)
	PZJ75	7.50-16-8PRLT	240 (2.4, 34) / 400 (4.0, 57)
		205R16C 8PR	250 (2.5, 36) / 450 (4.5, 64)
	HZJ70, 73	215/80R16 107S	200 (2.0, 29) / 220 (2.2, 31)
		265/75R15 112S	180 (1.8, 26) / 200 (2.0, 29)
General kPa (kgf/cm², psi)	LJ72	7.00-15-6PRLT	180 (1.8, 26) / 260 (2.6, 38)
		7.00R15-6PRLT	225 (2.25, 33) / 300 (3.0, 44)
		7.50-16-6PRLT	180 (1.8, 26) / 220 (2.2, 32)
		205R16C 6PR	170 (1.7, 25) / 240 (2.4, 35)
		31×10.50R15-6PRLT	180 (1.8, 26) / 250 (2.5, 36)
		7.50R16-6PRLT	225 (2.25, 33) / 250 (2.5, 36)
	LJ77, 79	7.50-16-6PRLT	180 (1.8, 26) / 300 (3.0, 44)
		7.50R16-6PRLT	250 (2.5, 36) / 375 (3.75, 54)
		205R16C 6PR	200 (2.0, 29) / 360 (3.6, 52)
		31×10.50R15-6PRLT	190 (1.9, 28) / 300 (3.0, 44)
	PZJ70, 73	7.00-15-6PRLT	180 (1.8, 26) / 300 (3.0, 43)
		7.00R15-6PRLT	225 (2.25, 32) / 300 (3.0, 43)
		7.50-16-6PRLT	180 (1.8, 26) / 240 (2.4, 34)
		7.50R16-8PRLT	225 (2.25, 32) / 250 (2.5, 36)
		7.50R16-6PRLT	225 (2.25, 32) / 250 (2.5, 36)
		31×10.50R15-6PRLT	210 (2.1, 30) / 280 (2.8, 40)
	PZJ75 HZJ75	7.50R16-6PRLT	250 (2.5, 36) / 375 (3.75, 53)
		7.50-16-6PRLT	180 (1.8, 26) / —
		7.50-16-8PRLT	— / 400 (4.0, 57)
		7.50-16-8PRLT	280 (2.8, 40) / 400 (4.0, 57)
		7.50R16-8PRLT	250 (2.5, 36) / 400 (4.0, 57)
		235/95R15C	180 (1.8, 26) / 280 (2.8, 41)

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