SDS TOYOTA **Land Cruiser** (Hardtop & Canvas Top)
FZJ 70, 73, 75
RJ 70, 73, 77
Aug. '92

		22R	22R-E	1FZ-F	1FZ-FE
cm³ or CC (cu. in.)		2367 (144.4)		4477 (273.2)	
mm (in.)		7 – 10 (0.28 – 0.39)		15 – 20 (0.59 – 0.79)	
		9.5 – 13 (0.37 – 0.51)	——	7 – 9.5 (0.28 – 0.37)	
		10 – 14 (0.39 – 0.55)		——	
mm (in.)	ND	W16EXR-U		K16R-U	
	NGK	BPR5EY		BPR5EYA	
	A	0.8 (0.031)			
kΩ		⬇25			
mm (in.)	A	Middle East, General: 0.45 (0.0177) Europe: ——	——	——	
	B	Middle East, General: 52° Europe: ——	——	——	
BTDC		(w/Sub-Vacuum Advance Cut) 5°	(Check Connector TE1-E1 Connected) 5°	3°	(Check Connector TE1-E1 Connected) 3°
mm (in.)		0.20 (0.008)		0.15 – 0.25 (0.006 – 0.010)	
		0.30 (0.012)		0.25 – 0.35 (0.010 – 0.014)	
rpm		800		600	650
CO%		1.0 – 2.0 (Europe, Middle East) 0.5 – 2.5 (General) ※	⬇0.5	1.0 – 2.0	⬇2.5

kPa (kgf/cm², psi)		1177 (12.0, 171)	980 (10.0, 142) (General (Low Octane)) 1127 (11.5, 163) (Others)	1176 (12.0, 171)
		⬆981 (10.0, 142)	⬆785 (8.0, 114)	⬆883 (9.0, 128)
		⬇98 (1.0, 14)	⬇98 (1.0, 14)	⬇98 (1.0, 14)
-kPa (-mmHg, -in.Hg)		⬆53 (400, 15.75)	⬆63 (473, 18.6)	
kPa (kgf/cm², psi)		⬆29 (0.3, 4.3)		
	3,000 rpm	245 – 490 (2.5 – 5.0, 36 – 71)		
N·m (kgf-cm, ft-lbf)	A	78 (800, 58)	① ⬆39 (400, 29) ② 90° ③ 90°	
	B	19 (195, 14)	20 (210, 15)	
	C	44 (450, 33)	39 (400, 29)	

	22R	22R-E	1FZ-F	1FZ-FE
liter (US qts, Imp. qts)	3.8 (4.0, 3.3)		7.1 (7.5, 6.3)	6.9 (7.3, 6.1)
	4.3 (4.5, 3.8)		7.6 (8.0, 6.7)	7.4 (7.8, 6.5)
	API SG or better			
liter (US qts, Imp. qts)	w/Front Heater 10.0 (10.6, 8.8) w/Front and Rear Heater 11.0 (11.6, 9.7)		w/Front Heater 13.2 (14.0, 11.6) w/Front and Rear Heater 14.2 (15.0, 12.5)	w/o Heater 12.2 (12.9, 10.8) w/ Heater 13.2 (14.0, 11.6)

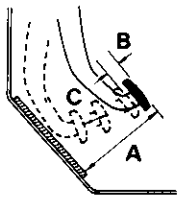
※The CO concentration for Australian specification vehicles is not described.

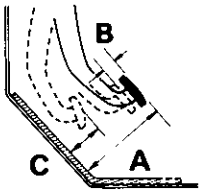
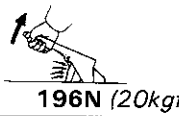
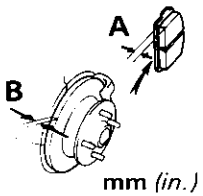
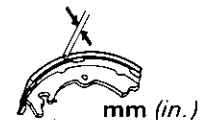
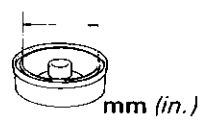
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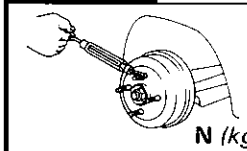
Land Cruiser
(Hardtop & Canvas Top)

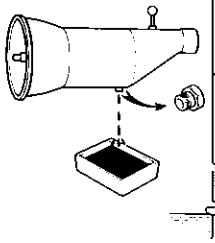
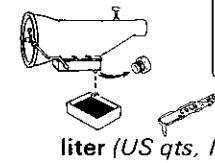
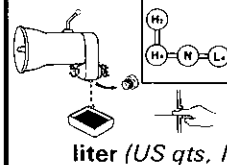
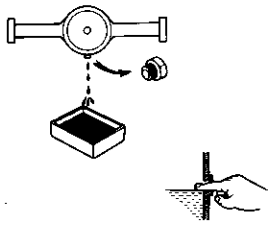
FZJ 70, 73, 75
RJ 70-0007115~, 9002488~ RJ 73-9000390~ RJ 77-0005472~

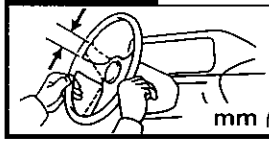
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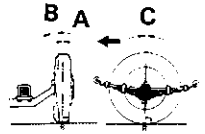
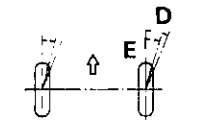
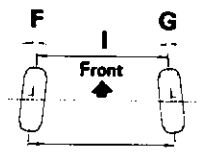
		FZJ	RJ
	A	181 (7.13)	
	B	13 – 23 (0.51 – 0.91)	
	B	15 – 30 (0.59 – 1.18)	—
	C	⬆25 (0.98)	
mm (in.)		SAE J1703 FMVSS No. 116 DOT3	

		FZJ	RJ
	A	161 – 171 (6.34 – 6.73)	
	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.)	A	⬆4.0 (0.157) (Australia) ⬆1.0 (0.039) (Others)	⬆1.0 (0.039)
	B	⬆18.0 (0.709)	⬆16.0 (0.630)
	B	⬆11.5 (0.453)	—
 mm (in.)		—	⬆1.0 (0.039)
			⬆1.5 (0.059) (FZJ) ⬆1.0 (0.039) (RJ)
 mm (in.)		—	⬇211 (8.31)
			⬇297.0 (11.693) (FZJ) ⬇256.0 (10.079) (RJ)

	FZJ	RJ
 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)	

		FZJ	RJ
	1 3 / 2 4 R	—	2.8 (3.0, 2.5)
	1 3 5 / 2 4 R	2.7 (2.9, 2.4)	2.6 (2.7, 2.3)
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90	
	NO2.3	—	
liter (US qts, Imp. qts)		—	
	W/PTO	1.3 (1.4, 1.1)	2.1 (2.2, 1.8)
		1.4 (1.5, 1.2)	2.6 (2.7, 2.2)
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90 (FZJ) SAE90 (RJ)	
		2.6 (2.7, 2.3) / 2.5 (2.6, 2.2)	1.98 (2.1, 1.7) / 1.85 (2.0, 1.6)
liter (US qts, Imp. qts)		API GL-5 With LSD use LSD oil only SAE90 (⬆ – 18°C (0°F)) SAE80W, 80W-90 (⬇ – 18°C (10°F))	

	FZJ·RJ
 mm (in.)	⬇40 (1.57)

		FZJ-70,73	FZJ-75L(R) V	FZJ-75L(R) P	RJ
	A	1°±45′			
	B	12°±45′			
	C	3°15′ ±1°	2°50′ ±1°	2°30′ ±1°	4°00′ ±1°
	D	32° +0° −3°			
	E	22°			21°
	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	−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)	FZJ70	7.50R16-6 265/75R15 112S	200 (2.0, 28) 180 (1.8, 26)	350 (3.5, 51) 200 (2.0, 28)	240 (2.4, 34) 180 (1.8, 26)	350 (3.5, 51) 200 (2.0, 28)
	FZJ75	7.50R16-8PRLT	220 (2.2, 32)	390 (3.9, 55)	240 (2.4, 34)	420 (4.2, 60)
Europe kPa (kgf/cm², psi)	RJ70, 73	215/80R16 107S 265/75R15 112S	160 (1.6, 23) 180 (1.8, 26)	200 (2.0, 29) 200 (2.0, 29)	180 (1.8, 26) 180 (1.8, 26)	220 (2.2, 32) 200 (2.0, 29)
General kPa (kgf/cm², psi)	FZJ70, 73	7.50-16-6PRLT 7.00R15-6PRLT 7.50R16-6PRLT 7.50R16-8PRLT 31×10.50R15-6PRLT	180 (1.8, 26) 200 (2.0, 29) 200 (2.0, 29) 200 (2.0, 29) 180 (1.8, 26)	200 (2.0, 29) 275 (2.75, 40) 225 (2.25, 33) 225 (2.25, 33) 250 (2.5, 36)	180 (1.8, 26) 225 (2.25, 33) 225 (2.25, 33) 225 (2.25, 33) 210 (2.1, 30)	240 (2.4, 35) 300 (3.0, 44) 250 (2.5, 36) 250 (2.5, 36) 280 (2.8, 41)
	FZJ75	7.50-16-8PRLT 7.50R16-6PRLT(FR) 7.50R16-8PRLT(RR) 7.50R16-6PRLT 7.50R16-8PRLT 235/95RC 116N	240 (2.4, 35) 225 (2.25, 33) — 225 (2.25, 33) 225 (2.25, 33) 180 (1.8, 26)	350 (3.5, 51) — 375 (3.75, 54) 350 (3.5, 51) 375 (3.75, 54) 220 (2.2, 32)	280 (2.8, 41) 250 (2.5, 36) — 250 (2.5, 36) 250 (2.5, 36) 180 (1.8, 26)	400 (4.0, 58) — 400 (4.0, 58) 375 (3.75, 54) 400 (4.0, 58) 280 (2.8, 41)
	RJ70	7.50-16-6PRLT 7.00R15-6PRLT 7.50R16-6PRLT 205R16C 6PR 31×10.50R15-6PRLT	180 (1.8, 26) 200 (2.0, 29) 200 (2.0, 29) 170 (1.7, 25) 180 (1.8, 26)	180 (1.8, 26) 275 (2.75, 40) 225 (2.25, 33) 200 (2.0, 29) 210 (2.1, 30)	180 (1.8, 26) 225 (2.25, 33) 225 (2.25, 33) 170 (1.7, 25) 180 (1.8, 26)	220 (2.2, 32) 300 (3.0, 44) 250 (2.5, 36) 240 (2.4, 35) 250 (2.5, 36)
	RJ77	7.50-16-6PRLT 7.50R16-6PRLT 205R16C 6PR 31×10.50R15-6PRLT	180 (1.8, 26) 225 (2.25, 33) 200 (2.0, 29) 190 (1.9, 28)	260 (2.6, 38) 350 (3.5, 51) 320 (3.2, 46) 280 (2.8, 41)	180 (1.8, 26) 250 (2.5, 36) 200 (2.0, 29) 190 (1.9, 28)	300 (3.0, 44) 375 (3.75, 54) 360 (3.6, 52) 300 (3.0, 44)

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