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

FJ 70, 73, 75
RJ 70, 73, 77

Jan. '90

		3F	22R	22R-E
CC (cu. in)		3955 (241.3)	2366 (144.4)	
mm (in)		9 – 12 (0.35 – 0.47)	7 – 10 (0.28 – 0.39)	
		15 – 21 (0.59 – 0.83)	9.5 – 13 (0.37 – 0.51)	——
		8 – 10 (0.31 – 0.39)	10 – 14 (0.39 – 0.55)	
A mm (in)	ND	W14EX-U	W16EXR-U	
	NGK	BP4EY	BPR5EY	
	A	0.8 (0.031)		
KΩ		⬇25		
A mm (in)	A	0.30 (0.0118)	Middle East, General 0.45 (0.0177) Europe, Australia	——
	B	41°	Middle East, General 52° Europe, Australia	——
3F 22R·22R-E BTDC		7°	(w/Sub-Vacuum Advance Cut) 0° (Australia) 5° (Others)	(Check Connecter TE1-E1 Connected) 5°
mm (in)		0.20 (0.008)	0.20 (0.008)	
		0.35 (0.014)	0.30 (0.012)	
rpm		650	700 (Australia) 800 (Others)	
CO%		1.0 – 2.0 ※	1.0 – 2.0 (Europe, Middle East) 0.5 – 2.5 (General) ※	⬇0.5

kg/cm² (psi, kPa)		8.3 (118, 814) (General (Low Octane)) 10.5 (149, 1030) (Others)	12.0 (171, 1177)
		⬆6.0 (85, 588) (General (Low Octane)) ⬆8.0 (114, 785) (Others)	⬆10.0 (142, 981)
		⬇1.0 (14, 98)	
mmHg (in. Hg)		⬆400 (15.75) (General (Low Octane)) ⬆420 (16.54) (Others)	⬆400 (15.75)
kg/cm² (psi, kPa)		⬆0.3 (4.3, 29)	
	3,000 rpm	2.5 – 5.0 (36 – 71, 245 – 490)	
A B C kg-cm (ft-lb, N·m)	A	1250 (90, 123)	800 (58, 78)
	B	14mm 510 (37, 50) 17mm 700 (51, 69)	195 (14, 19)
	C	570 (41, 56)	450 (33, 44)

	3F	22R	22R-E
liter (US qts, Imp. qts)	7.0 (7.4, 6.2)	3.8 (4.0, 3.3)	
	7.8 (8.2, 6.9)	4.3 (4.5, 3.8)	
	Europe, Australia API SE, SF, SG or better Others API SD, SE, SF, SG or better		
liter (US qts, Imp. qts)	W/Front Heater 16.5 (17.4, 14.5) W/Front and Rear Heater 18.5 (19.6, 16.3)	W/Front Heater 10.0 (10.6, 8.8) W/Front and Rear Heater 11.0 (11.6, 9.7)	

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

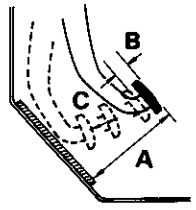
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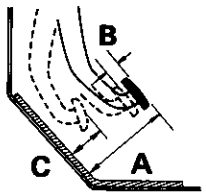
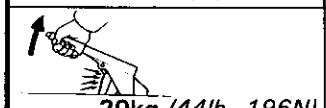
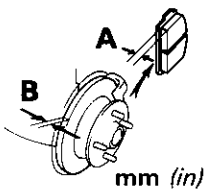
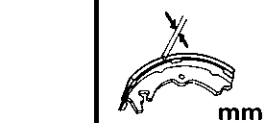
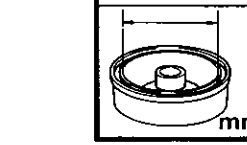
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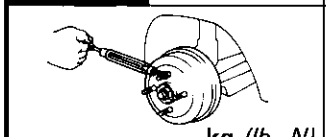
Land Cruiser
(Hardtop & Canvas Top)

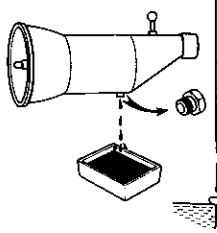
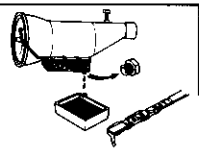
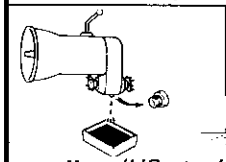
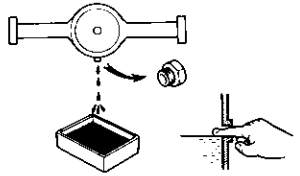
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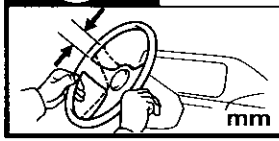
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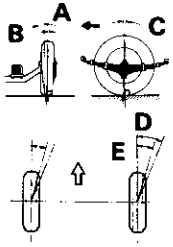
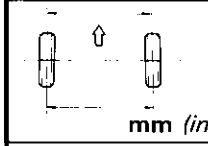
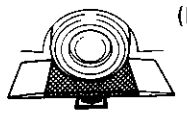
		FJ	RJ
	A	181 (7.13)	
	B	13 – 23 (0.51 – 0.91)	13 – 23 (0.51 – 0.91)
		15 – 30 (0.59 – 1.18)	——
	C	⬆25 (0.98)	
mm (in)		SAE J1703 FMVSS No.116 DOT3	

	A	161 – 171 (6.34 – 6.73)	
	B	3 – 6 (0.12 – 0.24)	
	C	⬆68 (2.68)	
		⬆90 (3.54) (FJ-75) ⬆100 (3.94) (FJ-70, 73) ⬆105 (4.13) (RJ)	
mm (in)		SAE J1703 FMVSS No.116 DOT3	
 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) (FJ) ⬆1.0 (0.039) (RJ)	⬆1.0 (0.039) ⬆1.5 (0.059) (FJ) ⬆1.0 (0.039) (RJ)
 mm (in)		⬇297.0 (11.693) (FJ) ⬇281.4 (11.079) (RJ)	⬇211 (8.31) ⬇297.0 (11.693) (FJ) ⬇256.0 (10.079) (RJ)

 kg (lb, N)	2.8 – 5.7 (6.2 – 12.6) (27 – 56)	2.6 – 5.7 (5.7 – 12.6) (25 – 56)
 kg-cm (ft-lb, N·m)	1600 (116, 157)	

		FJ	RJ
 liter (US qts, Imp. qts)	I 3 / 2 4 R	3.5 (3.7, 3.1)	2.8 (3.0, 2.5)
	I 3 5 / 2 4 R	4.9 (5.2, 4.3)	2.6 (2.7, 2.3)
		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)		2.2 (2.3, 1.9) 2.1 (2.2, 1.8)	2.1 (2.2, 1.8)
		API GL-4.5 SAE90	
 liter (US qts, Imp. qts)		2.6 (2.7, 2.3) / 2.5 (2.6, 2.2)	1.98 (2.1, 1.7) / 1.85 (2.0, 1.6)
		API GL-5 With LSD use LSD oil only SAE90 (⬆ – 18°C (0°F)) SAE80W, 80W-90 (⬇ – 18°C (10°F))	

		FJ·RJ
 mm (in)		⬇40 (1.57)

		FJ-70, 73	FJ-75L(R) V	FJ-75L(R) P	RJ
	A	1°±45′			
	B	12°±45′			
	C	1°15′ ±1°	0°50′ ±1°	0°30′ ±1°	4°05′ ±1°
	D	30° +0° −3° (7.50-16-8PRLT, 7.50R16-8PRLT, 9.00-16-6PRLT, 7.50-16-6PRLT) 32° +0° −3° (Others)			32° +0° −3°
	E	22°			21°
 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)			
 mm (in)		(Reference only) ⬇3.0 (0.118)			

			⬇80km/h		⬆80km/h	
Australia kPa (kg/cm², psi)	RJ70	205R16C-6PR 265/75R15 112S	170 (1.7, 24) 180 (1.8, 26)	220 (2.2, 32) 200 (2.0, 28)	170 (1.7, 24) 180 (1.8, 26)	260 (2.6, 37) 200 (2.0, 28)
	FJ70 73	7.50R16-6PRLT 265/75R15 112S	200 (2.0, 28) 180 (1.8, 26)	350 (3.5, 50) 200 (2.0, 28)	240 (2.4, 34) 180 (1.8, 26)	350 (3.5, 50) 200 (2.0, 28)
	FJ75	7.50R16-8PRLT	220 (2.2, 32)	390 (3.9, 55)	240 (2.4, 34)	420 (4.2, 60)
Europe kg/cm² (psi, kPa)	RJ70 73	7.00-16-6PRLT 215/80R16 107S 265/75R15 112S	1.8 (26, 180) 1.6 (23, 160) 1.8 (26, 180)	2.4 (35, 240) 2.0 (29, 200) 2.0 (29, 200)	1.8 (26, 180) 1.8 (26, 180) 1.8 (26, 180)	2.6 (38, 260) 2.2 (31, 220) 2.0 (29, 200)
General kg/cm² (psi, kPa)	RJ70	7.00-15-6PRLT 7.00-16-6PRLT 7.50-16-6PRLT 205R16C6PR 31×10.50R15-6PRLT	1.8 (26, 180) 1.8 (26, 180) 1.8 (26, 180) 1.7 (24, 170) 1.8 (26, 180)	2.2 (32, 220) 2.0 (29, 200) 1.8 (26, 180) 2.0 (29, 200) 2.1 (30, 210)	1.8 (26, 180) 1.8 (26, 180) 1.8 (26, 180) 1.7 (24, 170) 1.8 (26, 180)	2.6 (40, 260) 2.4 (34, 240) 2.2 (32, 220) 2.4 (34, 240) 2.5 (36, 250)
	RJ77	7.00-16-6PRLT 205R16C 6PR 31×10.50R-6PRLT	2.1 (30, 210) 2.0 (29, 200) 1.9 (28, 190)	3.25 (47, 325) 3.2 (46, 320) 2.8 (41, 280)	2.1 (30, 210) 2.0 (29, 200) 1.9 (28, 190)	3.25 (47, 325) 3.6 (52, 360) 3.0 (44, 300)
	FJ70 73	7.00-15-6PRLT 7.00-16-6PRLT 7.50-16-6PRLT 7.50-16-8PRLT (Gold master) 31×10.50R15-6PRLT	1.8 (26, 180) 1.8 (26, 180) 1.8 (26, 180) 2.0 (29, 200) 1.8 (26, 180)	2.6 (40, 260) 2.4 (34, 240) 2.0 (29, 200) 2.25 (32, 225) 2.5 (36, 250)	2.2 (31, 220) 2.2 (31, 220) 1.8 (26, 180) 2.25 (32, 225) 2.1 (30, 210)	3.0 (43, 300) 2.8 (40, 280) 2.4 (34, 240) 2.5 (36, 250) 2.8 (40, 280)
	FJ75	7.00-16-8PRLT 7.50-16-6PRLT 7.50-16-8PRLT 7.50-16-8PRLT 7.50R16-8PRLT (Gold master)	2.4 (34, 240) 1.8 (26, 180) —— 2.4 (34, 240) 2.25 (32, 225)	3.5 (50, 350) —— 3.5 (50, 350) 4.25 (60, 425) 3.75 (53, 375)	2.4 (34, 240) 1.8 (26, 180) —— 2.8 (40, 280) 2.5 (36, 250)	4.0 (57, 400) —— 4.0 (57, 400) 4.25 (60, 425) 4.0 (57, 400)

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