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

FZJ70, 73, 75
RJ70, 73, 77

Jan. '96

	22R	22R-E	1FZ-F	1FZ-FE
cm³ or CC (cu. in.)	2367 (144.4)		4477 (273.2)	
※ mm (in.) / N (kgf)	7-10 (0.28-0.39) ※196-392 (20-40)		15-20 (0.59-0.79) ※245-392 (25-40)	
	9.5-13 (0.37-0.51) ※196-392 (20-40)		7-9.5 (0.28-0.37) ※196-343 (20-35)	——
	7-11 (0.28-0.43) ※196-343 (20-35)		——	
ND	W16EXR-U		K16R-U	
NGK	BPR5EY		BKR5EYA	
A mm (in.)	0.8 (0.031)			
KΩ	↓25			
A (Middle East, General)	0.45 (0.0177)	——	——	
B (Middle East, General)	52°	——	——	
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 (Middle East) 0.5-2.5 (General) ※1	↓0.5	1.0-2.0	↓2.0

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)		6.9 (7.3, 6.1)	
	4.3 (4.5, 3.8)		7.4 (7.8, 6.5)	
	API SG, SH multigrade engine oil or ILSAC※2 multigrade engine oil			
liter (US qts, Imp. qts)	w/Front Heater 10.0 (10.6, 8.8) w/Front and Rear Heaters 11.0 (11.6, 9.7) w/o Heater 8.0 (8.5, 7.0)		w/Front Heater 13.2 (14.0, 11.6) w/Front and Rear Heaters 14.2 (15.0, 12.5) w/o Heater 12.2 (12.9, 10.8)	13.2 (14.0, 11.6)

※1 The CO concentration for Australian specification vehicle is not described
※2 ILSAC: International Lubricant Standardization and Approval Committee

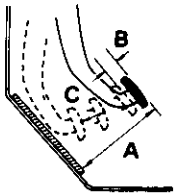
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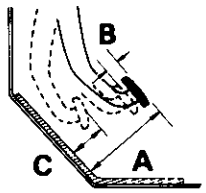
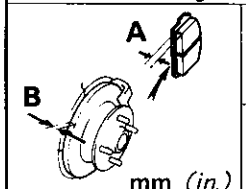
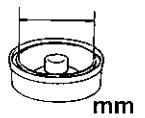
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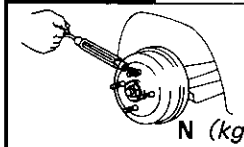
Land Cruiser
(Hardtop & Canvas Top)

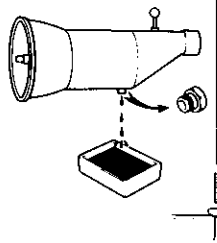
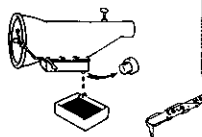
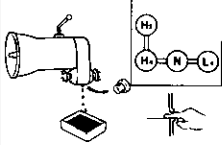
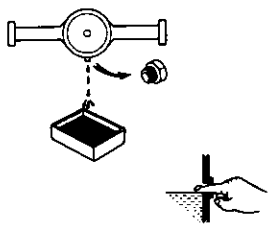
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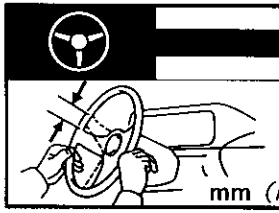
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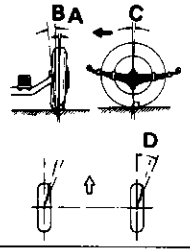
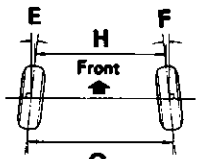
		FZJ	RJ
	A	178.7–188.7 (7.04–7.43)	175–185 (6.89–7.28)
	B	5–15 (0.20–0.59)	
	C	25 (0.98)	
mm (in.)		SAE J1703 FMVSS No. 116 DOT3	

		FZJ	RJ
	A	164.2–174.2 (6.46–6.86)	160.5–170.5 (6.32–6.71)
	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	1.0 (0.039)	
	B	18.0 (0.709)	16.0 (0.630)
 mm (in.)		—	1.0 (0.039)
			(FZJ) 1.5 (0.059) (RJ) 1.0 (0.039)
 mm (in.)		—	211 (8.31)
			297.0 (11.693)

 N (kgf, lbf)	28–56 (2.9–5.7) (6.4–12.6)	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	
 liter (US qts, Imp. qts)		—	
		—	
 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)	—
		API GL-4 or GL-5 SAE 75W-90 (FZJ) SAE90 (RJ)	
 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)
		Hypoid gear oil API GL-5 With LSD use LSD oil only SAE90 (−18°C (0°F)) SAE80W, 80W-90 (−18°C (0°F))	

 mm (in.)	FZJ•RJ
	40 (1.57)

		FZJ-70,73	FZJ-75L(R) V	FZJ-75L(R) P	RJ
	A	1°±45′ (1°±0.75°)			
	B	12°±45′ (12°±0.75°)			
	C	3°15′±1° (3.25°±1°)	2°50′±1° (2.83°±1°)	2°30′±1° (2.5°±1°)	4°00′±1° (4°±1°)
	D	30° +0 −3°			32° +0 −3°
	E+F	−0°06′±12′ (−0.01°±0.2°) (31×10.50R15-6PRLT 265/75R15) 0°06′±12′ (0.01°±0.2°) (Others)			
		0°24′±12′ (0.4°±0.2°)			
	G-H	−1±2 (−0.04±0.08) (31×10.50R15-6PRLT 265/75R15) −1±2 (−0.04±0.08) (Others)			
mm (in.)		4±2 (0.16±0.08)			

Australia kPa (kgf/cm², psi)	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	160 (1.6, 23)	200 (2.0, 29)	160 (1.6, 23)	200 (2.0, 29)
		265/75R15 112S	180 (1.8, 26)	200 (2.0, 29)	180 (1.8, 26)	200 (2.0, 29)
General kPa (kgf/cm², psi)	FZJ70,73	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)
	FZJ75	7.50-16-8PRLT	240 (2.4, 35)	350 (3.5, 51)	280 (2.8, 41)	400 (4.0, 58)
		7.50R16-8PRLT	225 (2.25, 33)	375 (3.75, 54)	250 (2.5, 36)	400 (4.0, 58)
		235/95R15C 116N	180 (1.8, 26)	220 (2.2, 32)	180 (1.8, 26)	280 (2.8, 41)
	RJ70	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)
	RJ77	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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