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

		3F	1FZ-F	22R	22R-E
	cm³ or CC (cu. in.)	3956 (241.4)	4477 (273.2)	2367 (144.4)	
mm (in.)		9–12 (0.35–0.47)	15–20 (0.59–0.79)	7–10 (0.28–0.39)	
		15–21 (0.59–0.83)	7–9.5 (0.28–0.37)	9.5–13 (0.37–0.51)	—
		8–10 (0.31–0.39)	—	10–14 (0.39–0.55)	
mm (in.)	ND	W14EX-U	K16R-U	W16EXR-U	
	NGK	BP4EY	BKR5EYA	BPR5EY	
	A	0.8 (0.031)			
kΩ		⬇25			
mm (in.)	A	0.30 (0.0118)	—	Middle East, General 0.45 (0.0177) Europe —	—
	B	41°	—	Middle East, General 52° Europe —	—
3F 1FZ-F·22R·22R-E BTDC		7°	3°	(w/Sub-Vacuum Advance Cut) 5°	(Check Connector TE1-E1 Connected) 5°
mm (in.)		0.20 (0.008)	0.15–0.25 (0.006–0.010)	0.20 (0.008)	
		0.35 (0.014)	0.25–0.35 (0.010–0.014)	0.30 (0.012)	
rpm		650	600	800	
CO%		1.0–2.0 ※		1.0–2.0 (Europe, Middle East) 0.5–2.5 (General) ※	⬇0.5

kPa (kgf/cm², psi)		814 (8.3, 118) (General (Low Octane)) 1030 (10.5, 149) (Others)	902 (9.2, 131) General (Low Octane)) 1030 (10.5, 149) (Others)	1177 (12.0, 171)
		⬆588 (6.0, 86) (General (Low Octane)) ⬆785 (8.0, 114) (Others)	⬆785 (8.0, 114)	⬆981 (10.0, 142)
		⬇98 (1.0, 14)	⬇49 (0.5, 7)	⬇98 (1.0, 14)
–kPa (–mmHg, –in.Hg)		⬆53 (400, 15.75) (General (Low Octane)) ⬆56 (420, 16.54) (Others)	⬆63 (473, 18.6)	⬆53 (400, 15.75)
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	123 (1250, 90)	① 39 (400, 29) ② 90° ③ 90°	78 (800, 58)
	B	50 (510, 37) 69 (700, 51) 56 (570, 41)	20 (210, 15)	19 (195, 14)
	C		39 (400, 29)	44 (450, 33)

		3F	1FZ-F	22R	22R-E
liter (US qts, Imp. qts)		7.0 (7.4, 6.2)	7.1 (7.5, 6.3)	3.8 (4.0, 3.3)	
		7.8 (8.2, 6.9)	7.6 (8.0, 6.7)	4.3 (4.5, 3.8)	
		API 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 13.2 (14.0, 11.6) W/Front and Rear Heater 14.2 (15.0, 12.5)	W/Front Heater 10.0 (10.6, 8.8) W/Front and Rear Heater 11.0 (11.6, 9.7)	

Printed in Japan C ※The CO concentration for Australian specification vehicles is not described.

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Land Cruiser
(Hardtop & Canvas Top)

FJ 70-0018855~, 8500138~ FJ 73-0007774~
FJ 75-0105545~, 8001218~, 8501737~ FZJ 70, 73, 75
RJ 70-0007115~, 9002488~ RJ 73-9000390~ RJ 77-0005472~

TOYOTA
QUALITY SERVICE

	FJ·FZJ	RJ
A	181 (7.13)	
B	13 – 23 (0.51 – 0.91)	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	

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	
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)
mm (in.)	—	⬆1.5 (0.059) (FJ, FZJ) ⬆1.0 (0.039) (RJ)
mm (in.)	—	⬇211 (8.31)
mm (in.)	—	⬇297.0 (11.693) (FJ, FZJ) ⬇256.0 (10.079) (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)	

	FJ	FZJ	RJ
1 3 / 2 4 R	—	—	2.8 (3.0, 2.5)
1 3 5 / 2 4 R	4.9 (5.2, 4.3)	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 (FZJ / RJ) SAE90 (FJ)		
NO2 3	—		
liter (US qts, Imp. qts)	—		
w/PTO	⬆2.2 (2.3, 1.9) ⬆2.1 (2.2, 1.8)	1.3 (1.4, 1.1)	2.1 (2.2, 1.8)
	⬆2.7 (2.8, 2.3) ⬆2.6 (2.7, 2.2)	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 (FJ, 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))			

	FJ·FZJ·RJ
mm (in.)	⬇40 (1.57)

	FJ-70, 73 FZJ-70, 73	FJ-75L(R) FZJ-75L(R) V	FJ-75L(R) 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 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)	FJ70	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 kPa (kgf/cm², psi)	RJ70 73	7.00-16-6PRLT 215/80R16 107S 265/75R15 112S	180 (1.8, 26) 160 (1.6, 23) 180 (1.8, 26)	240 (2.4, 35) 200 (2.0, 29) 200 (2.0, 29)	180 (1.8, 26) 180 (1.8, 26) 180 (1.8, 26)	260 (2.6, 38) 220 (2.2, 31) 200 (2.0, 29)
General kPa (kgf/cm², psi)	RJ70	7.00-15-6PRLT 7.00R15-6PRLT 7.50-16-6PRLT 205R16C6PR 31×10.50R15-6PRLT 7.50R16-6PRLT	180 (1.8, 26) 200 (2.0, 29) 180 (1.8, 26) 170 (1.7, 24) 180 (1.8, 26) 200 (2.0, 29)	220 (2.2, 32) 275 (2.75, 40) 180 (1.8, 26) 200 (2.0, 29) 210 (2.1, 30) 225 (2.25, 33)	180 (1.8, 26) 225 (2.25, 33) 180 (1.8, 26) 170 (1.7, 24) 180 (1.8, 26) 225 (2.25, 33)	260 (2.6, 40) 300 (3.0, 44) 220 (2.2, 32) 240 (2.4, 34) 250 (2.5, 36) 250 (2.5, 36)
	RJ77	7.50-16-6PRLT 7.50R16-6PRLT 205R16C 6PR 31×10.50R-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)
	FJ70 73 FZJ70 73	7.00-15-6PRLT 7.00R15-6PRLT 7.50-16-6PRLT 7.50R16-8PRLT 7.50R16-6PRLT 31×10.50R15-6PRLT	180 (1.8, 26) 200 (2.0, 29) 180 (1.8, 26) 200 (2.0, 29) 200 (2.0, 29) 180 (1.8, 26)	260 (2.6, 40) 275 (2.75, 40) 200 (2.0, 29) 225 (2.25, 32) 225 (2.25, 32) 250 (2.5, 36)	220 (2.2, 31) 225 (2.25, 32) 180 (1.8, 26) 225 (2.25, 32) 225 (2.25, 32) 210 (2.1, 30)	300 (3.0, 43) 300 (3.0, 43) 240 (2.4, 34) 250 (2.5, 36) 250 (2.5, 36) 280 (2.8, 40)
	FJ75 FZJ75	7.50R16-6PRLT 7.50-16-6PRLT 7.50-16-8PRLT 7.50-16-8PRLT 7.50R16-8PRLT 235/95R15C	225 (2.25, 32) 180 (1.8, 26) — 240 (2.4, 34) 225 (2.25, 32) 180 (1.8, 26)	350 (3.5, 50) — 350 (3.5, 50) 350 (3.5, 50) 375 (3.75, 53) 220 (2.2, 32)	250 (2.5, 36) 180 (1.8, 26) — 280 (2.8, 40) 250 (2.5, 36) 180 (1.8, 26)	375 (3.75, 53) — 400 (4.0, 57) 400 (4.0, 57) 400 (4.0, 57) 280 (2.8, 41)

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