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

FZJ 70, 73, 75
RJ 70, 73, 77

Jan. '94

		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		BKR5EYA	
A	A	0.8 (0.031)			
kΩ		⬇25			
A, B mm (in.)	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) ※	⬇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 or SH, multigrade engine oil or ILSAC multigrade engine oil			
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.

Printed in Japan C

TOYOTA MOTOR CORPORATION

Pub. No. SDS287E

Land Cruiser
(Hardtop & Canvas Top)

FZJ70-0003664~ FZJ-0003524~, 0003517~
FZJ75-0016304~, 0015026~, 8000281~, 8500404~
RJ70-0007854~, 9002819~ RJ73-9000483~ RJ77-0007264~, 0007103~

TOYOTA
QUALITY SERVICE

Front Wheel Alignment

		FZJ	RJ
A		175 – 185 (6.89 – 7.28)	
B		13 – 23 (0.51 – 0.91)	
		15 – 30 (0.59 – 1.18)	—
C		⬆25 (0.98)	
mm (in.)		SAE J1703 FMVSS No. 116 DOT3	

Rear Wheel Alignment

A		161 – 171 (6.31 – 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)
mm (in.)		—	⬆1.0 (0.039)
mm (in.)		—	⬆1.5 (0.059) (FZJ) ⬆1.0 (0.039) (RJ)
mm (in.)		—	⬇211 (8.31)
mm (in.)		—	⬇297.0 (11.693)

Brake

	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)	147 (1500, 109)	

Capacities

		FZJ	RJ
liter (US qts, Imp. qts)	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)
		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)
	w/PTO	1.4 (1.5, 1.2)	2.6 (2.7, 2.2)
	w/PTO	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)
		API GL-5 With LSD use LSD oil only SAE90 (⬆ – 18°C (0°F)) SAE80W, 80W-90 (⬇ – 18°C (10°F))	

Steering Wheel

	FZJ·RJ
mm (in.)	⬇40 (1.57)

Front Wheel Turning Angle

		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°6′±0°12′ (31×10.50R15-6PRLT, 265/75R15) 0°6′±0°12′ (Others)			
		0°24′±0°12′			
H–I		−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)			

Tire Pressure

Australia kPa (kgf/cm², psi)	FZJ70	7.50R16-6PRLT	200 (2.0, 28)	350 (3.5, 51)	240 (2.4, 34)	350 (3.5, 51)
	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)	—	—
		265/75R15 112S	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)
		7.50R16-6PRLT(FR)	225 (2.25, 33)	—	250 (2.5, 36)	—
		7.50R16-8PRLT(RR)	—	375 (3.75, 54)	—	400 (4.0, 58)
		7.50R16-6PRLT	225 (2.25, 33)	350 (3.5, 51)	250 (2.5, 36)	375 (3.75, 54)
		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)

©1994 TOYOTA MOTOR CORPORATION

Overseas Service Division : 01-940119-00