SDS TOYOTA LAND CRUISER GRJ71, 76, 78, 79 2014/08 - 2017/01

	Α	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)				
В	В	5.0 to (0.197 to	15.0 o 0.590)				
A	С	1 25	(0.984)				
mm (in.)		SAE J1703 No. 116					
		GI	2 I				
		Gi	λυ				
	Α	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)				
	В	1.0 to 6.0 (0.0	0394 to 0.236)				
CA	C*1	128 (5.04)*2 136(5.35)*3	127 (4.99)*2 136 (5.35)*3				
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3					
196 N (20 kg	gf, 44 lbf)	7 to 9 Clicks					
A 60	9 , ,						
B	Α	1.0	(0.0394)				
mm (in.)	В	1 30 (1.181)	16.0 (0.630)				
X			1.0 (0.0394)				
mm (in.)			1.5 (0.0591)				
			211 (8.31)				
mm (in.)	6		297.0 (11.693)				
o Aller and the second							
N	l (kgf, lbf)	26 to 52 (3 to 5, 5.8 to 11.7) 1.8 to 4.0 (0.2 to 0.4, 0.4 to 0.9)					
N*m (kgf*c	cm. ft *lbf)	Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)					
in (ng)	, 121)	GI	RJ				
A	1 3 5	2.9 (3.1, 2.6)					
liter (US qts, Imp. q		API GL-4 SAE 75W-90					

	L CINOTT	, 70, 70, 79 20	14/00 2017/01				
A	H ₂ N=L ₂	1.5 (1.	6, 1.3)				
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90					
	В						
		2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to				
		w/o LSD: Toyota Gene Oil LT 75W-85 GI					
liter (US	S qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 G					
N*m (kgf*cm,	Α	37.24 (3	380, 27)				
ft.*lbf)	В	49 (50	00, 36)				
		GI	₹J				
	mm (in.)	IJ 30	(1.18)				
		GRJ					
B A C	A	1° 00' +/-45' (1.00° +/-0.75°)					
	В	13° 00' +/-45' (13.00° +/-0.75°)					
1	С	4° 20' +/-60' (4.33° +/-1.00°)*4 3° 35' +/-60' (3.58° +/-1.00°)*5					
Ψ	D	29° 00' to 32° 00' (29.00° to 32.00°)					
E F F Front	E+F	0° 00' +/-12' ((0.00° +/-0.2°)				
G	G - H mm (in.)	0 +/-2 (0.00 +/-0.0787)					
		Unladen vehicle	Fully laden vehicle				
		Please refer to Repair Manual (Service Specifications / Tire and Wheel)					
	flore or har noil						

kPa (kgf/cm² or bar, psi)

^{*1:} When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

^{*2:} w/o ABS: *3: w/ABS: *4: except Super Long *5: for Super Long

LAND CRUISER

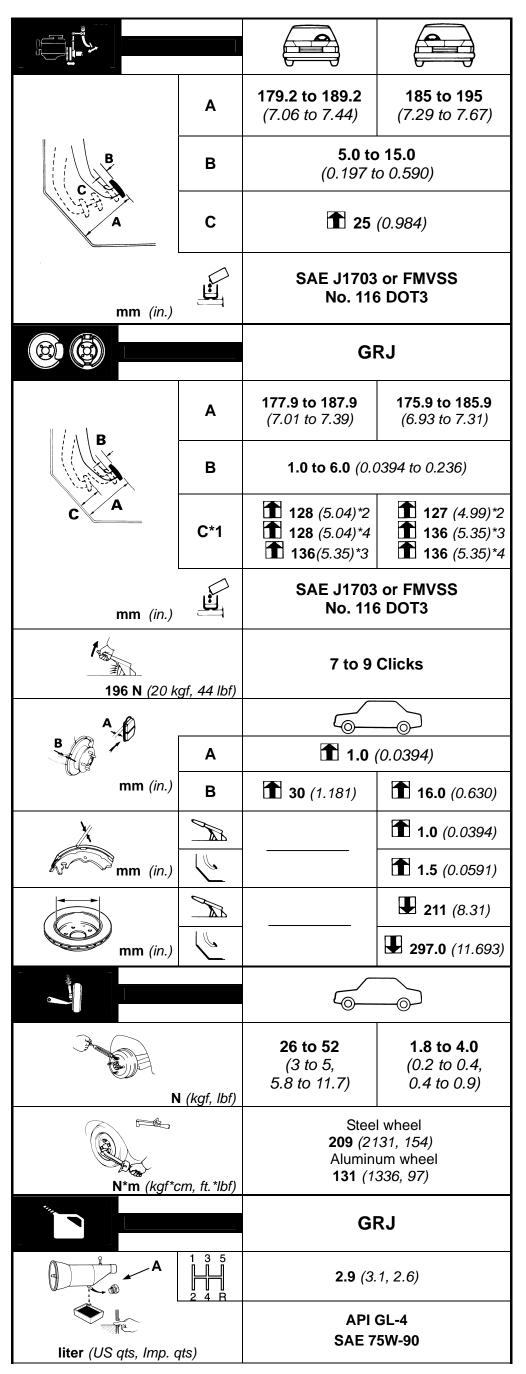
<u> </u>		GRJ
\oplus		
	20°C (68°F)	1.25 to 1.29
		1GR-FE
	cm³ (cu. in.)	3956 (241.4)
	DENSO	K20HR-U11
	NGK	LFR6C-11
A	A mm (in.)	1.0 to 1.1 (0.0394 to 0.0433)
	BTDC	8° to 12° (DLC3 Terminals 13 (TC) to 4 (CG) Connected)
		0.15 to 0.25 (0.00591 to 0.00984)
mm (ir	n.)	0.29 to 0.39 (0.0114 to 0.0154)
	rpm	650 to 750 (DLC3 Terminal 9 (TAC) Connected)*2

*1	: Interna	ıtio	nal	Lubri	cant	Sta	ndardiza	ation	and	Appr	oval	Committee
	_											

^{*2:} Transmission in neutral position and A/C switch off

1300 (13.3, 189) 1000 (10.2, 145) **100** (1.0, 15) kPa (kgf/cm², psi) **1 29** (0.3, 4.2) **3000** rpm **kPa** (kgf/cm², psi) 294 to 588 (3.0 to 6.0, 43 to 85) 1GR-FE **5.1** (5.4, 4.5) **5.4** (5.7, 4.8) API grade SL "Energy-Conserving", 5W-30 API grade SM "Energy-Conserving", API grade SN "Resource-Conserving" 10W-30 or ILSAC*1 multigrade engine oil liter (US qts, Imp. qts) 15W-40 API grade SL, SM or SN multigrade engine oil 20W-50 N*m (kgf*cm, ft*lbf) Α **40** (408, 30) w/o Heater: 10.1 (10.6, 8.8) w/ Heater: 10.9 (11.5, 9.5) liter (US qts, Imp. qts)

SDS TOYOTA LAND CRUISER



		5KJ/1, /0, /0, /9	2017/01 -				
A	(H ₂) (H ₂)=(N)=(L ₂)	1.5 (1.	6, 1.3)				
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90					
	B	2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)				
liter (US	S qts, Imp. qts)	w/o LSD: Toyota Genu Oil LT 75W-85 GI w/ LSD: Toyota Genu Oil LX 75W-85 GI	5 or equivalent ine Differential Gear				
N*m (kgf*cm,	Α	37.24 (3	-				
ft.*lbf)	В	49 (50	00, 36)				
		GF	RJ				
	mm (in.)	J 30 (1.18)					
		GRJ					
BA C	Α	1° 00' +/-45' (1.00° +/-0.75°)					
	В	13° 00' +/-45' (13.00° +/-0.75°)					
1	С	4° 20' +/-60' (4.33° +/-1.00°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6					
ΨΨ	D	29° 00' to 32° 00' (29.00° to 32.00°)					
E F F Front	E+F	0° 00' +/-12' (0.00°+/-0.2°)					
G	G - H mm (in.)	0 +/-2 (0.00 +/-0.0787)					
		Unladen vehicle	Fully laden vehicle				
		Please refer to Repair Manual (Service Specifications / Tire and					
		Wheel)					

kPa (kgf/cm² or bar, psi)

*2: w/o ABS *3: w/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long

^{*1:} When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

LAND CRUISER

<u>•</u> • <u>•</u> • <u>•</u>		GRJ
1		
	20°C (68°F)	1.25 to 1.29
		1GR-FE
	cm³ (cu. in.)	3956 (241.4)
Ą	DENSO	K20HR-U11
	NGK	LFR6C-11
A	A mm (in.)	1.0 to 1.1 (0.0394 to 0.0433)
	BTDC	8° to 12° (DLC3 Terminals 13 (TC) to 4 (CG) Connected)
		0.15 to 0.25 (0.00591 to 0.00984)
mm (in.)	0.29 to 0.39 (0.0114 to 0.0154)
	rpm	650 to 750 (DLC3 Terminal 9 (TAC) Connected)*2

*1:	Interna	tio	nal	Lubric	an	t Stai	ndardiza	ition	and	Α	ppr	oval Committee
						-				-		

^{*2:} Transmission in neutral position and A/C switch off

1300 (13.3, 189) 1000 (10.2, 145) **100** (1.0, 15) **kPa** (kgf/cm², psi) **1 29** (0.3, 4.2) **3000** rpm **kPa** (kgf/cm², psi) 294 to 588 (3.0 to 6.0, 43 to 85) 1GR-FE **5.1** (5.4, 4.5) **5.4** (5.7, 4.8) API grade SL "Energy-Conserving", 5W-30 API grade SM "Energy-Conserving", **API grade SN "Resource-Conserving"** 10W-30 or ILSAC*1 multigrade engine oil liter (US qts, Imp. qts) 15W-40 API grade SL, SM or SN multigrade engine oil 20W-50 N*m (kgf*cm, ft*lbf) Α **40** (408, 30) w/o Heater: 10.1 (10.6, 8.8) w/ Heater: 10.9 (11.5, 9.5) liter (US qts, Imp. qts)

TOYOTA LAND CRUISER Diesel HZJ71, 76, 78, 79 VDJ76, 78, 79 2014/08 - 2016/08

		.,, ——	1D 01 10			
	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)			
C	В	5.0 to (0.197 to				
A	С	1 25	(0.984)			
mm (in.)		SAE J1703 No. 116				
	Α	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)			
B	В	1.0 to 6.0 (0.0	0394 to 0.236)			
CA	C*1	128 (5.04)*2 136 (5.35)*3	127 (4.99)*2 136 (5.35)*3			
mm (in.)		SAE J1703 No. 116				
196 N (2	0 kgf, 44 lbf)	7 to 9 Clicks				
A_(C)						
B	Α	1.0 (0.0394)				
mm (in.)	В	30 (1.181)	16.0 (0.630)			
			1.0 (0.0394)			
mm (in.)			1.5 (0.0591)			
			211 (8.31)			
mm (in.)			297.0 (11.693)			
	N (kgf, lbf)	26 to 52 (3 to 5, 5.8 to 11.7)	1.8 to 4.0 (0.2 to 0.4, 0.4 to 0.9)			
N*m (k)	gf*cm, ft.*lbf)	209 <i>(</i> 2 <i>1</i> Alumin	l wheel (31, 154) um wheel 336, 97)			
1.1		1VD-FTV	1HZ			
A	1 3 5	2.9 (3.1, 26)	2.2 (2.3, 1.9)			
liter (US qts, Imp	. qts)	API (SAE 7				
A	(H)	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)			
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90			

	6261	VDJ	76, 78, 79	2014	/08 - 2016/08		
	B B		2.8 to (2.96 to 3.06 2.55	2.9 6, 2.47 to	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)		
					uine Differential Gear		
liter ((US qts, Im	np. qts)	w/ LSD: Toy	ota Genu	5 or equivalent ine Differential Gear 5 or equivalent		
N*m (kgf*c	em,	Α		37.24 <i>(</i> 3	380, 27)		
ft.*lbf)		В		0, 36)			
•	•			HZJ,	VDJ		
	m	m (in.)		J 30	(1.18)		
				HZJ,	VDJ		
C T	Α		1° 00' +/-45' (1.00° +/-0.75°)				
	В		13° 00' +/-45' (13.00° +/-0.75°)				
†	С		4° 20' +/-60' (4.33° +/-1.00°)*4 3° 35' +/-60' (3.58° +/-1.00°)*5				
	D		29° 00' to 32° 00' (29.00° to 32.00°)				
Front	E+	F	0° 00' +/-12' (0.00° +/-0.2°)				
" G	G -		0 +/-2 (0.00 +/-0.0787)				
	m	m (in.)	Unladen v	Fully laden vehicle			
k Da (Iv)	af/cm² or b	ar nei)			Repair Manual ations / Tire and eel)		
nra (Kū	yı/GIII OI D	aι, μδί)					

^{*1:} When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

^{*2:} w/o ABS: *3: w/ABS: *4: except Super Long *5: for Super Long

<u>↑</u>		VDJ	HZJ				
1							
20°	C (68°F)	1.25 to 1.29					
		1VD-FTV	1HZ				
cm³ (d	cu. in.)	4461 <i>(272.2)</i>	4164 (254.0)				
			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)				
mm (in.) N (kgf)			16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)				
20°C	(68°F) Ω	Approximately 1.0					
28°	°C (82°F)	1.0	Malaysia, Bangladesh 1.0 Other 2.4				
	mm (in.)		1.03 to 1.09 (0.0406 to 0.0429)				
			°××× °×××				
			13239 to 15200 (135.0 to 155.0, 1920 to 2204)				
kPa (kgf/cm², psi)			14220 to 15200 (145.0 to 155.0, 2062 to 2204)				
	4		0.15 to 0.25 (0.00591 to 0.00984)				
mm (in.)			0.35 to 0.45 (0.00138 to 0.0177)				

*1: 5W-30 is best choice for fuel economy and good starting in cold weather.	
TOYOTA MOTOR CORPORATION Technical Service Division	

VDJ	176, 78, 7	9	2014/08 - 2016/08			
		500	to 600	60	0 to 700	
rpm		4700	to 4900	4500 to 4700		
() loca			2700 5, 392)	1 3628 (37.0, 526)		
			2 200 .4, 319)	2648 (27.0, 384)		
kPa (kgf/cm², psi)			500 1, 73)	490 (5.0, 71)		
	A	0 0	1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	1: 68.6 (700, 51) 2: 90° 3: 90°		
A B	В	21 (2	214, 15)	19.6	(200, 14)	
E	С	36 (3	367, 27)	41.7 (425, 31)		
D	D			63.7 (650, 47)		
N*m (kgf*cm, ft.*lbf)	E	34 (347, 25)	14.7 (150, 11)		
		1 50	(0.5, 7.3)	1 29 (0.3, 4.2)		
kPa (kgf	(TH) (cm², psi)	2500 rpm	1 230 (2.3, 33)	3000 rpm	1 245 (2.5, 36)	
1.1.		1VI	D-FTV	1HZ		
		8.5 (9.0, 7.5)		10.0 (10.6, 8.8)		
A		9.4 ((9.9, 8.3)	11.3 (11.9, 9.9)		
liter (US qts, Im	p. qts)		30,15W-40 and CF or ACEA B1 also use API CE	5W-30,10W-30,15W-40 and 20W-50: API CF-4, CF or ACEA B1		
N*m (kgf*cm, ft.*lbf)	Α	38 (387, 28)	34.3	(350, 25)	
liter (US qts,	lmp. qts)	14.8 (1	15.6, 13.0)	w/ Front Heater 10.6 (11.2, 9.3) w/ Front and Rear Heater 11.7 (12.4, 10.3) w/o Heater 9.8 (10.4, 8.6)		

SDS **TOYOTA LAND CRUISER Diesel** HZJ71, 76, 78, 79 VDJ76, 78, 79 2016/08 - 2017/01

			10 01 10	
	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)	
B	В	5.0 to 15.0 (0.197 to 0.590)		
A	С	25 (0.984)		
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3		
	A	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)	
B	В	1.0 to 6.0 (0.0	394 to 0.236)	
CA	C*1	128 (5.04)*2 136(5.35)*3	127 (4.99)*2 136 (5.35)*6 136 (5.35)*7	
mm (in.)		SAE J1703 No. 116		
196 N (2	0 kgf, 44 lbf)	7 to 9	Clicks	
Δ 🖉				
B	Α	1.0 (0.0394)		
mm (in.)	В	30 (1.181)	16.0 (0.630)	
			1.0 (0.0394)	
mm (in.)			1.5 (0.0591)	
			211 (8.31)	
mm (in.)			297.0 (11.693)	
	N (kgf, lbf)	26 to 52 (3 to 5, 5.8 to 11.7)	1.8 to 4.0 (0.2 to 0.4, 0.4 to 0.9)	
N*m (kį	gf*cm, ft.*lbf)	209 <i>(</i> 2 <i>1</i> Aluminu	wheel 31, 154) um wheel 336, 97)	
		1VD-FTV	1HZ	
A	1 3 5	2.9 (3.1, 26)	2.2 (2.3, 1.9)	
liter (US qts, Imp.		API GL-4*8 API (GL-3) GL-4*9 SAE 75W-90	API GL-4 SAE 75W-90	
A	(H ₃) (H ₄)=(N)=(L ₄)	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)	
liter (US o	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90	

	VDJ/	76, 78, 79	0/00 Z017/01	
B		2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to	
liter	(US qts, Imp. qts)	w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent		
	A	37.24 (3	-	
N*m (kgf*d ft.*lbf)	B	49 (50	00, 36)	
•		HZJ,	VDJ	
E	mm (in.)	IJ 30	(1.18)	
		HZJ,	VDJ	
B A C	Α	1° 00' +/-45' (1.00° +/-0.75°)	
\$	В	13° 00' +/-45' (13.00° +/-0.75°)	
Ŷ	С	4° 20' +/-60' (4.33° +/-1.00°)*4 3° 35' +/-60' (3.58° +/-1.00°)*5		
ΨΨ	D	29° 00' to 32° 00' (29.00° to 32.00°)		
Front	E+F	0° 00' +/-12' (0.00° +/-0.2°)		
G	G - H mm (in.)	0 +/-2 (0.00 +/-0.0787)		
	()	Unladen vehicle	Fully laden vehicle	
		Please refer to (Service Specific Wh	ations / Tire and	
kPa (kg	gf/cm² or bar, psi)			

^{*1:} When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

*2: w/o ABS: *3: w/ABS: *4: except Super Long *5: for Super Long *6: w/ ABS and w/o VSC *7: w/ ABS and VSC *8 for H150F *9: for H152F

			Ī	
<u>↑</u>		VDJ	HZJ	
⊕ • • • • • • • • • • • • • • • • • • •				
20°C (68°F)		1.25 to 1.29		
		1VD-FTV	1HZ	
cm³ (d	cu. in.)	4461 <i>(272.2)</i>	4164 (254.0)	
			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)	
mm (in.) N (kgf)			16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)	
20°C (68°F)		Approximately 1.0*4	Approximately	
	Ω	0.7 or higher*3	1.0	
	(95°F)*3 \$ (82°F)*4	0.7*3	4.0	
<u></u>	sec.	1.0*4	1.0	
	mm (in.)		1.03 to 1.09 (0.0406 to 0.0429)	
	()		° × × ×	
			13239 to 15200 (135.0 to 155.0, 1920 to 2204)	
kPa (kgf/cm², psi)	· (1)		14220 to 15200 (145.0 to 155.0, 2062 to 2204)	
			0.15 to 0.25 (0.00591 to 0.00984)	
mm (in)			0.35 to 0.45 (0.00138 to 0.0177)	

^{*1: 5}W-30 is best choice for fuel economy and good starting in cold weather.
*2: 0W-30 is best choice for fuel economy and good starting in cold weather.
*3: w/ DPF *4: w/o DPF

3. W/ DI I	4. W/O DI I
ΤΟΥΟΤΑ ΜΟ	TOR CORPORATION Technical Service Division

VDJ76, 78, 79				2016/0	08 - 2017/01
		500 to 600		600 to 700	
rpm		4700	to 4900	4500 to 4700	
The form		1 2700 (27.5, 392)		1 3628 (37.0, 526)	
			2200 (22.4, 319)		2648 7.0, 384)
kPa (kgf/cm², psi)			500 <i>1, 73)</i>	490 (5.0, 71)	
	A	9 20	1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	1 0	1: 68.6 (700, 51) 2: 90° 3: 90°
A B B	В	21 (2	214, 15)	19.6	(200, 14)
E	С	36 (367, 27)	41.7 (425, 31)	
D# 3	D ———		63.7 <i>(650, 47)</i>		
N*m (kgf*cm, ft.*lbf)	E	34 (347, 25)		14.7 (150, 11)	
		50 (0.5, 7.3)		1 29	9 (0.3, 4.2)
kPa (kgf,	/cm², psi)	2500 rpm	2500 rpm 1 230 (2.3, 33)		1 245 (2.5, 36)
1.1		1V I	D-FTV		1HZ
		8.5 (9.0, 7.5) 9.4 (9.9, 8.3)		10.0	(10.6, 8.8)
A				11.3	(11.9, 9.9)
liter (US qts, Im	pp. qts)	5W-30,10W-30,15W-40 and 20W-50: API CF-4, CF or ACEA B1 (You may also use API CE or CD)*1, *4 0W-30 and 5W-30: ACEA C2 (Using engine oil other than ACEA C2 may damage catalytic converter)*2, *3		5W-30,10W-30,15W-40 and 20W-50: API CF-4, CF or ACEA	
N*m (kgf*cm, ft.*lbf)	Α	38 (387, 28)	34.3 <i>(350, 25)</i>	
liter (US qts,	Imp. qts)	14.8 (15.6, 13.0)		w/ Front Heater 10.6 (11.2, 9.3) w/ Front and Rear Heate 11.7 (12.4, 10.3) w/o Heater 9.8 (10.4, 8.6)	

SDS TOYOTA LAND CRUISER Diesel HZJ71, 76, 78, 79 VDJ76, 78, 79

SUS W		IA LA	ND CRU	
1	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)	
В	В	5.0 to (0.197 to		
A	С	1 25	(0.984)	
mm (in.)		SAE J1703 No. 116		
	Α	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)	
	В	1.0 to 6.0 (0.0	0394 to 0.236)	
CA	C*1	128 (5.04)*2 128 (5.04)*4 136(5.35)*3	127 (4.99)*2 136 (5.35)*3 136 (5.35)*4	
mm (in.)		SAE J1703 No. 116		
1 196 N (2	0 kgf, 44 lbf)	7 to 9	Clicks	
A_A				
B	Α	1.0 (0.0394)		
mm (in.)	В	30 (1.181)	16.0 (0.630)	
			1.0 (0.0394)	
mm (in.)				
mm (in.)			211 (8.31) 297.0 (11.693)	
	N (kgf, lbf)	26 to 52 (3 to 5, 5.8 to 11.7)	1.8 to 4.0 (0.2 to 0.4, 0.4 to 0.9)	
N*m (k)	gf*cm, ft.*lbf)	209 <i>(</i> 2 <i>1</i> Alumini	l wheel 31, 154) um wheel 336, 97)	
		1VD-FTV	1HZ	
A	1 3 5	2.9 (3.1, 26)	2.2 (2.3, 1.9)	
liter (US qts, Imp	. qts)	API GL-4*7 API (GL-3) GL-4*8 SAE 75W-90	API GL-4 SAE 75W-90	
A	(H ₂) (H ₂)=(N)=(L ₂)	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)	
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90	

		VD.	176, 78, 79		2017/01 -	
B		2.8 to	06, 2.47 to	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)		
lite	e r (US at	s, Imp. qts)	Oil LT w/ LSD: T	w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent		
		A		37.24 (3	·	
N*m (kg ft.*lb		В		49 (50	0, 36)	
•				HZJ,	VDJ	
		<u>⊢</u> mm (in.)		3 0	(1.18)	
				HZJ,	VDJ	
BA C		Α	1° (00' +/-45' (1	1.00° +/-0.75°)	
)	В	13° 00' +/-45' (13.00° +/-0.75			
Û Û		С	4° 20' +/-60' (4.33° +/-1.00°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6			
ΨΨ		D	29° 00' to 32° 00' (29.00° to 32.00°)			
Front			0° 00' +/-12' (0.00° +/-0.2°)			
G	-fi (G - H mm (in.)	0 +/-2 (0.00 +/-0.0787)			
		111111 (<i>1111.)</i>	Unlader	vehicle	Fully laden vehicle	
			6			
kPa	(kaf/cm²	or bar, psi)			Repair Manual ations / Tire and eel)	
1	, 5	, ,,,,,,,				

^{*1:} When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.
*2: w/o ABS *3: w/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long
*7: for H150F *8: for H152F

LAND CRUISER

Diesel

Θ Θ		VDJ	HZJ	
1				
20°	C (68°F)	1.25 to 1.29		
		1VD-FTV	1HZ	
	cu. in.)	4461 <i>(</i> 2 <i>7</i> 2 <i>.</i> 2 <i>)</i>	4164 (254.0)	
			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)	
mm (in.) N (kgf)	5		16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)	
20°C	(68°F)	Approximately 1.0*4	Approximately	
	Ω	0.7 or higher*3	1.0	
	(95°F)*3 \$ (82°F)*4	0.7*3	1.0	
	sec.	1.0*4	1.0	
	4		1.03 to 1.09 (0.0406 to 0.0429)	
	mm (in.)		° × × × × ×	
kPa (kgf/cm², psi)			14220 to 15200 (145.0 to 155.0, 2062 to 2204)	
			0.15 to 0.25 (0.00591 to 0.00984)	
			0.35 to 0.45 (0.00138 to 0.0177)	

*1: 5W-30 is best choice for fuel economy and good starting in cold weather.

TOYOTA MOTOR CORPORATION Technical Service Division

HZJ71, 76, 78, 79 VDJ76, 78, 79					2017/01 -	
		500 to 600 4700 to 4900		600 to 700		
rpm				450	0 to 4700	
			1 2700 (27.5, 392)		1 3628 (37.0, 526)	
		2200 (22.4, 319)		2648 (27.0, 384)		
kPa (kgf/cm², psi)			500 (1, 73)	490 (5.0, 71)		
	A	1: 80 (816, 59) 2: 90° 3: 90° 4: 90°		1: 68.6 (700, 51) 2: 90° 3: 90°		
A	В	21 (214, 15)	19.6	(200, 14)	
D	С	36 (367, 27)		41.7 (425, 31)		
	D			63.7 (650, 47)		
N*m (kgf*cm, ft.*lbf)	E	34 (347, 25)		14.7 (150, 11)		
		2500 rpm (2.3, 33)		1 29 (0.3, 4.2)		
kPa (kgf.	/cm², psi)			3000 rpm	1 245 (2.5, 36)	
		1V	D-FTV	1HZ		
		8.5 ((9.0, 7.5)	10.0 (10.6, 8.8)		
A		9.4 ((9.9, 8.3)	11.3 (11.9, 9.9)		
liter (US qts, Im	np. qts)	5W-30,10W-30,15W-40 and 20W-50: API CF-4, CF or ACEA B1 (You may also use API CE or CD)*1, *4 0W-30 and 5W-30: ACEA C2 (Using engine oil other than ACEA C2 may damage catalytic converter)*2, *3		5W-30,10W-30,15W-40 and 20W-50: API CF-4, CF or ACEA B1		
N*m (kgf*cm, ft.*lbf)	Α	38 (387, 28)	34.3	(350, 25)	
liter (US qts,	Imp. qts)	14.8 (15.6, 13.0)		w/ Front Heater 10.6 (11.2, 9.3) w/ Front and Rear Heater 11.7 (12.4, 10.3) w/o Heater 9.8 (10.4, 8.6)		

HZJ71, 76, 78, 79

^{*2: 0}W-30 is best choice for fuel economy and good starting in cold weather.
*3: w/ DPF *4: w/o DPF