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

	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 t	o 15.0 o 0.590)	
A	ပ	1 25	(0.984)	
mm (in.)		SAE J1703 No. 116		
		GI	₹J	
n , 1	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		
1		7 to 9 Clicks		
196 N (20 k	gf, 44 lbf)			
A A		<u></u>	⊚_]	
	Α	1.0	(0.0394)	
mm (in.)	В	30 (1.181)	16.0 (0.630)	
<u>X</u>			1.0 (0.0394)	
mm (in.)	0		1.5 (0.0591)	
			211 (8.31)	
mm (in.)			297.0 (11.693)	
	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*cm, ft.*lbf)		209 <i>(</i> 21 Alumin	l wheel (31, 154) um wheel 336, 97)	
The (ngr em, n. nsh)		GI	RJ	
A	1 3 5 	2.9 (3.1, 2.6)		
		API GL-4 SAE 75W-90		
liter (US qts, Imp. o	qts)	J.(2 /	- -	

	, 70, 70, 70 20	14/00 - 2017/01	
H; H.= N= L.	1.5 (1.	6, 1.3)	
liter (US qts, Imp. qts)		-5 SAE 75W-90	
R			
B		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 Gen		
S qts, Imp. qts)	w/ LSD: Toyota Genu	ine Differential Gear	
Α	37.24 (3	-	
В	49 (50	00, 36)	
	GF	รูป	
mm (in.)		(1.18)	
		GRJ	
BA C A		1° 00' +/-45' (1.00° +/-0.75°)	
В	13° 00' +/-45' (13.00° +/-0.75°)		
C	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°)		
E+F	0° 00' +/-12' ((0.00° +/-0.2°)	
G - H mm (in.)	0 +/-2 (0.00) +/-0.0787)	
	Unladen vehicle	Fully laden vehicle	
		tions / Tire and	
	qts, Imp. qts) B Gqts, Imp. qts) A B C D E+F	A 1° 00' +/-45' (1. B 13° 00' +/-45' (1. B 13° 00' +/-45' (1. C 29° 00' to 32° 00' E + F 0° 00' +/-12' (1. Only mm (in.) 1.5 (1. API GL-4 or GL API GL-4 or GL-4 o	

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

<u>•</u> • •		GRJ
B		
	20°C (68 <i>°F</i>)	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 (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	tion	and	Αį	opr	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 GRJ71, 76, 78, 79 2017/01 - 2019/09

	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	1 25	(0.984)		
mm (in.)			or FMVSS 5 DOT3		
		GI	₹J		
11.7.1.	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	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.)	mm (in.)		SAE J1703 or FMVSS No. 116 DOT3		
196 N (20 k	gf, 44 lbf)	7 to 9 Clicks			
A 🚱					
B	Α	1.0 (0.0394)			
mm (in.)	В	30 (1.181)	16.0 (0.630)		
<u> </u>	The state of the s		1.0 (0.0394)		
mm (in.)			1.5 (0.0591)		
	S		211 (8.31)		
mm (in.)	16		297.0 (11.693)		
	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*cm, ft.*lbf)		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)			
		GI	รา		
A	1 3 5	2.9 (3.1, 2.6)			
			GL-4 5W-90		
liter (US qts, Imp. o	qts)	JAE 7	J11 JU		

OIOL!	GRJ/ I	, 70, 70, 79 20	17/01 - 2019/09	
A	H. N.L.	1.5 (1.	6, 1.3)	
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-9		
	B		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)	
		w/o LSD: Toyota Gent Oil LT 75W-85 GI	uine Differential Gear	
liter (US	S qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 GI		
N*m (kgf*cm, ft.*lbf)	Α	37.24 (3	380, 27)	
it. ibij	В	49 (50	00, 36)	
•		GF	S J	
	mm (in.)		3 0 (1.18)	
		GRJ		
B A C	Α	1° 00' +/-45' (1.00° +/-0.75°)		
	В	13° 00' +/-45' (1	13.00° +/-0.75°)	
	С	4° 20' +/-60' (4.33° +/-1.00°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6		
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	0 +/-2 (0.00 +/-0.0787)		
		Unladen vehicle	Fully laden vehicle	
		Please refer to Re (Service Specifica Who	tions / Tire and	

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

0 0		GRJ		
	20°C (68 <i>°F</i>)	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 (in.)		0.29 to 0.39 (0.0114 to 0.0154)		
	rpm	650 to 750 (DLC3 Terminal 9 (TAC) Connected)*2		

*1: International	Lubricant	Sta	ndardization	and	Approv	al Committee

*2: Transmission in neutral position and A/C switch off **TOYOTA MOTOR CORPORATION Technical Service Division**

GRJ71,	76, 78, 7	9 2017/01 - 2019/09
		1300 (13.3, 189)
		1000 (10.2, 145)
kPa (kgf/cm², psi)		100 (1.0, 15)
		1 29 (0.3, 4.2)
kPa (kgf/cm², psi)	3000 rpm	294 to 588 (3.0 to 6.0, 43 to 85)
		1GR-FE
		5.1 (5.4, 4.5)
A		5.4 (5.7, 4.8)
liter (US qts, Imp. qts)	5W-30 10W-30	API grade SL "Energy-Conserving", API grade SM "Energy-Conserving", API grade SN "Resource-Conserving" or ILSAC*1 multigrade engine oil
	15W-40 20W-50	API grade SL, SM or SN multigrade engine oil
N*m (kgf*cm, ft*lbf)	A	40 (408, 30)
		w/o Heater: 10.1 (10.6, 8.8) w/ Heater: 10.9 (11.5, 9.5)
liter (US qts	s, Imp. qts)	

SDS TOYOTA LAND CRUISER GRJ71, 76, 78, 79 2019/09 - 2021/07

	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)	
B	В	5.0 to (0.197 to	15.0 0.590)	
A	С	1 25	(0.984)	
mm (in.)		SAE J1703 No. 116		
		GI	۲J	
	A	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		
196 N (20 k	gf, 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.)	6		1.5 (0.0591)	
			211 (8.31)	
mm (in.)	7,9		297.0 (11.693)	
	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		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)		
		GI	₹J	
A	1 3 5	2.9 (3.1, 2.6)		
liter (US qts, Imp. c	qts)	API (SAE 7		

		1, 70, 70, 73 20	10,00 2021,01	
A	H ₂	1.5 (1.	6, 1.3)	
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90		
	,Β			
		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)	
		w/o LSD: Toyota Gene Oil LT 75W-85 GL	uine Differential Gear	
liter (US	S qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 GI		
N*m (kgf*cm,	Α	37.24 (3	380, 27)	
ft.*lbf)	В	49 (50	00, 36)	
		GF	ĸJ	
mm (in.)		3 0 (1.18)		
		GRJ		
B A 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 H F	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 Re (Service Specifica Who	tions / Tire and	

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

1300 (13.3, 189)

LAND CRUISER

• • • •		GRJ
	0	
	20°C (68°F)	1.25 to 1.29
Toolc		1GR-FE
Ē	cm³ (cu. in.)	3956 (241.4)
	DENSO	K20HR-U11
	NGK	LFR6C-11
A 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	atio	nal	Lubricant	Star	ndardiza	tion	and	Αŗ	opr	oval	Committee

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

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", SM "Energy-Conserving", SN "Resource-Conserving", SN PLUS "Resource-Conserving" or ILSAC*1 5W-30 10W-30 liter (US qts, Imp. qts) multigrade engine oil 15W-40 API grade SL, SM, SN or SN PLUS 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

179.2 to 189.2 185 to 195 Α (7.06 to 7.44) (7.29 to 7.67) 5.0 to 15.0 В (0.197 to 0.590) **25** (0.984) C SAE J1703 or FMVSS No. 116 DOT3 mm (in.) GRJ 175.9 to 185.9 177.9 to 187.9 Α (7.01 to 7.39) (6.93 to 7.31) В **1.0 to 6.0** (0.0394 to 0.236) **128** (5.04)*2 **127** (4.99)*2 C*1 **128** (5.04)*4 **136** (5.35)*3 **136** (5.35)*4 **136**(5.35)*3 SAE J1703 or FMVSS No. 116 DOT3 mm (in.) 7 to 9 Clicks 196 N (20 kgf, 44 lbf) **1.0** (0.0394) Α mm (in.) **30** (1.181) **16.0** (0.630) В The state of the s **1.0** (0.0394) **1.5** (0.0591) mm (in.) **211** (8.31) **297.0** (11.693) mm (in.) 1.8 to 4.0 26 to 52 (0.2 to 0.4, (3 to 5, 5.8 to 11.7) 0.4 to 0.9) N (kgf, lbf) Steel wheel **209** (2131, 154) Aluminum wheel **131** *(1336, 97)* N*m (kgf*cm, ft.*lbf) GRJ **2.9** (3.1, 2.6)

	•	JI(37 1, 70, 70, 73	2021/01	
A	H. N. L.	1.5 (1.	6, 1.3)	
liter (US	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90		
	,B			
			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)	
		w/o LSD: Toyota Gen Oil LT 75W-85 GI		
liter (US	S qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 GI		
N*m (kgf*cm,	Α	37.24 (3	380, 27)	
ft.*lbf)	В	49 (50	00, 36)	
•		GI	₹J	
	mm (in.)	₩ 30	(1.18)	
		GF	śl	
B A C	Α	1° 00' +/-45' (1.00° +/-0.75°)		
	В	13° 00' +/-45' (13.00° +/-0.75°)		
D	O	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 H F	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 Re (Service Specifica Whe	tions / Tire and	

kPa (kgf/cm² or bar, psi)

API GL-4 SAE 75W-90

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

liter (US qts, Imp. qts)

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

		•
<u>•</u> • •		GRJ
0		
	20°C (68 <i>°</i> F)	1.25 to 1.29
		1GR-FE
	cm³ (cu. in.)	3956 (241.4)
A	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: International Lubricant Standardization and Approval Committee
*2: Transmission in neutral position and A/C switch off **TOYOTA MOTOR CORPORATION Technical Service Division**

GRJ71, 7	6, 78, 79	2021/07 -
		1300 (13.3, 189)
		1000 (10.2, 145)
kPa (kgf/cm², psi)		100 (1.0, 15)
		1 29 (0.3, 4.2)
kPa (kgf/cm², psi)	3000 rpm	294 to 588 (3.0 to 6.0, 43 to 85)
		1GR-FE
		5.1 (5.4, 4.5)
A		5.4 (5.7, 4.8)
liter (US qts, Imp. qts)	5W-30 10W-30	API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving", SN PLUS "resource-conserving" or SP "resource-conserving"; or ILSAC*1 GF-6A multigrade engine oil
N*m (kgf*cm, ft*lbf)	A	40 (408, 30)
liter (US qts	s, Imp. qts)	w/o Heater: 10.1 (10.6, 8.8) w/ Heater: 10.9 (11.5, 9.5)

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

	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	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	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 6				
B	Α	—————————————————————————————————————	(0.000.4)	
	A	1.0		
mm (in.)	В	30 (1.181)	16.0 (0.630)	
			1.0 (0.0394)	
mm (in.)			1.5 (0.0591)	
	111		211 (8.31) 297.0	
mm (in.)	6		(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 /kd	gf*cm, ft.*lbf)	209 <i>(</i> 2 <i>1</i> Alumin	l wheel (31, 154) um wheel 336, 97)	
N III (AG	gi (1111, II. IIII)	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		
	H)=(N)=(L)	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, 79 201	4/08 - 2016/08		
	B		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 L-5 or equivalent		
liter ((US qts, Imp. qts)		uine Differential Gear L-5 or equivalent		
N*m (kgf*c	cm, A	37.24 (380, 27)		
ft.*lbf)	В	49 (50	00, 36)		
•		HZJ,	VDJ		
	mm (in.)	₩ 30	(1.18)		
		HZJ,	VDJ		
BENT BENT BENT BENT BENT BENT BENT BENT	Α	1° 00' +/-45' (1.00° +/-0.75°)		
	В	13° 00' +/-45' (13.00° +/-0.75°)		
T T	С	4° 20' +/-60' (4.33° +/-1.00°)*4 3° 35' +/-60' (3.58° +/-1.00°)*5			
ΨΨ	D	-	· ·		
E H F	E+F	29° 00' to 32° 00' (29.00° to 32.00°) 0° 00' +/-12' (0.00° +/-0.2°)			
f G	G - H	0 +/-2 (0.00 +/-0.0787)			
	mm (in.)	Unladen vehicle	Fully laden vehicle		
kPa (kg	of/cm² or bar, psi)	(Service Specific	Repair Manual cations / Tire and eel)		
KPa (KG	Ji/Ciir Oi 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 Diesel



<u>^</u>		VDJ	HZJ	
1				
20°	C (68°F)	1.25 t	o 1.29	
		1VD-FTV	1HZ	
cm³ (d	cu. in.)	4461 (272.2)	4164 (254.0)	
			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)	
mm (in.) N (kgf)	D		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)	
U JUB AMERICA	\ <u>\</u>		14220 to 15200 (145.0 to 155.0,	
kPa (kgf/cm², psi)	- 学		2062 to 2204)	
kPa (kgf/cm², psi)	意			

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

V D3	76, 78, 7	9	2014/08 - 2016/08	
		500 to 600	600 to 700	
rpm		4700 to 4900	4500 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 (5.1, 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 B	В	21 (214, 15)	19.6 <i>(200, 14)</i>	
E	С	36 (367, 27)	41.7 (425, 31)	
D7 -	D		46.6 (475, 34)	
N*m (kgf*cm, ft.*lbf)	E		63.7 (650, 47)	
		1 50 (0.5, 7.3)	1 29 (0.3, 4.2)	
kPa (kgf/	/cm², psi)	2500 rpm 1 230 (2.3, 33)	3000 rpm 1 245 (2.5, 36)	
		1VD-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, Imp. 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	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 <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 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

<u> </u>					
ll l	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)		
B	В	5.0 to (0.197 to			
A	С	25	(0.984)		
mm (in.)		SAE J1703 No. 116			
	A	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)*6 136 (5.35)*7		
mm (in.)		SAE J1703 No. 116			
196 N (2	0 kgf, 44 lbf)	7 to 9	Clicks		
A 60					
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 (ka	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.		API GL-4*8 API (GL-3) GL-4*9 SAE 75W-90	API GL-4 SAE 75W-90		
A	(H) (H)=(N)=(L)	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		

	VD3	76, 78, 79	0/00 2017/01		
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 2.49			
			(2.49 to 2.58, 2.07 to 2.15)		
		w/o LSD: Toyota Gent Oil LT 75W-85 GL			
liter (US qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 GI			
N*m (kgf*c	em, A	37.24 (3	380, 27)		
ft.*lbf)	В	49 (50	00, 36)		
•		HZJ,	VDJ		
É	mm (in.)	IJ 30	(1.18)		
		HZJ,	VDJ		
BA C	Α	1° 00' +/-45' (1	1.00° +/-0.75°)		
↓	В	13° 00' +/-45' (1	13.00° +/-0.75°)		
	С	4° 20' +/-60' (4.33° +/-1.00°)*4			
##		,	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 - H	0 +/-2 (0.00) +/-0.0787)		
	mm (in.)	Unladen vehicle Fully laden vehicle			
kPa (kgf/cm² or bar, psi)		Please refer to (Service Specific Who	ations / Tire and		
Kra (Kg	giroin oi bai, psi)				

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

^{*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

<u>↑</u>		VDJ	HZJ	
+ 9				
20)°C (68°F)	1.25 to 1.29		
		1VD-FTV	1HZ	
cm³	³ (cu. in.)	4461 (272.2)	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	C (68°F)	Approximately		
		1.0*4	Approximately 1.0	
	Ω	0.7 or higher*3		
	C (95°F)*3 °C (82°F)*4	0.7*3		
	sec.	1.0*4	1.0	
	mm (in.)		1.03 to 1.09 (0.0406 to 0.0429)	
	(11.)		ů × × ×	
			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)	
			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/ DF1	4. W/O DET
TOYOTA MO	TOR CORPORATION Technical Service Division

VDJ	176, 78, 7	9		2016/0	08 - 2017/01	
	Most	500	to 600	60	0 to 700	
rpm		4700	to 4900	450	0 to 4700	
			2700 .5, 392)		3628 7.0, 526)	
			2 200 .4, 319)	(27	2648 7.0, 384)	
kPa (kgf/cm², psi)			500 <i>1,</i> 73)		490 5.0, 71)	
	A	0,000	1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	0	1: 68.6 (700, 51) 2: 90° 3: 90°	
A DO	В	21 (214, 15)	19.6	(200, 14)	
E	С	36 (367, 27)		41.7 (425, 31)		
	D				46.6 (475, 34)	
N*m (kgf*cm, ft.*lbf)	E			63.7	(650, 47)	
		1 50	(0.5, 7.3)	1 29	9 (0.3, 4.2)	
kPa (kgf,	/cm², psi)	2500 rpm	1 230 (2.3, 33)	3000 rpm	1 245 (2.5, 36)	
114		1V	D-FTV		1HZ	
		8.5 ((9.0, 7.5)	10.0	(10.6, 8.8)	
A		·	(9.9, 8.3)	11.3	(11.9, 9.9)	
l iter (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 B		
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)		

SDS **TOYOTA LAND CRUISER Diesel** HZJ71, 76, 78, 79 VDJ76, 78, 79 2017/01 - 2019/09

11 1	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
B	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)394 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	
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)
	gf*cm, ft.*lbf)	209 <i>(21</i> Aluminu	l wheel 31, 154) um wheel 336, 97)
1.11		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*7 API (GL-3) GL-4*8 SAE 75W-90	API GL-4 SAE 75W-90
A	H; N=(L)	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)
₩ F	qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90

	VDJ/	76, 78, 79	7/01 2015/05	
B		2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55) w/o 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) w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential Gear		
liter ((US qts, Imp. qts)	Oil LX 75W-85 GL	·	
N*m (kgf*c ft.*lbf)	em, A	37.24 (3	500, 27)	
,	В	49 (50	0, 36)	
•		HZJ,	VDJ	
E	mm (in.)	₩ 30	(1.18)	
		HZJ,	VDJ	
B A C	Α	1° 00' +/-45' (1	1.00° +/-0.75°)	
	В	13° 00' +/-45' (13.00° +/-0.75°)		
Ŷ	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 H F	E+F	0° 00' +/-12' (0.00° +/-0.2°)		
 G →	G - H	0 +/-2 (0.00 +/-0.0787)		
	mm (in.)	Unladen vehicle	Fully laden vehicle	
		Please refer to (Service Specific Whe	ations / Tire and	
kPa (kg	gf/cm² or bar, psi)			



<u> </u>		VDJ	HZJ
1			
20°	C (68°F)	1.25 t	o 1.29
		1VD-FTV	1HZ
cm³ (d	cu. in.)	4461 (272.2)	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	Approximately
	Ω	0.7 or higher*3	1.0
	(95°F)*3 5 (82°F)*4	0.7*3	1.0
	sec.	1.0*4	1.0
			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)
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.

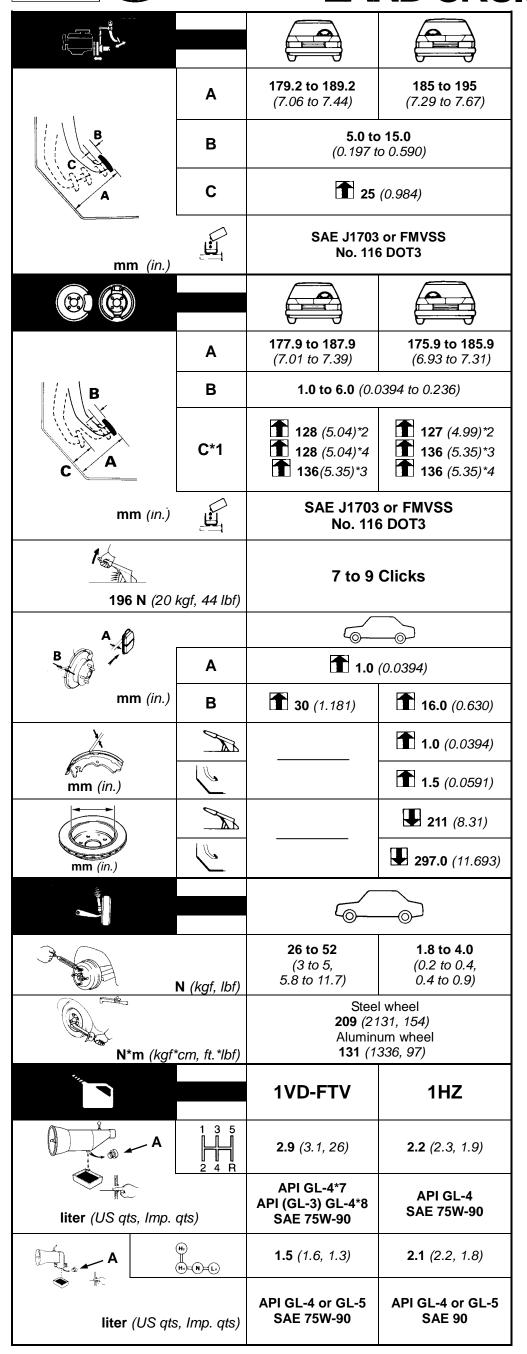
*2: 0W-30 is best choice for fuel economy and good starting in cold weather.
*3: w/ DPF *4: w/o DPF

TOYOTA MOTOR CORPORATION Technical Service Division

VD	J76, 78, 7	9		2017/0	1 - 2019/09
		500) to 600	60	0 to 700
rpm		4700) to 4900	450	0 to 4700
C. Cox			2700 (.5, 392)		3628 7.0, 526)
			2 200 .4, 319)	(27	2648 7.0, 384)
kPa (kgf/cm², psi)			500 .1, 73)		2 490 5.0, 71)
	A	0	1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	3 2	1: 68.6 (700, 51) 2: 90° 3: 90°
B	В	21 (214, 15)	19.6	(200, 14)
D	С	36 (367, 27)		41.7 (425, 31)	
	D			46.6 (475, 34)	
N*m (kgf*cm, ft.*lbf)	E			63.7 (650, 47)	
Q THE		1 50 (0.5, 7.3)		1 29	9 (0.3, 4.2)
kPa (kgf	/cm², psi)	2500 rpm	1 230 (2.3, 33)	3000 rpm	1 245 (2.5, 36)
		1V	D-FTV		1HZ
	TOQ	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		d 20W-50: PI CF-4, CF or ACEA B1 ou may also use API or CD)*1, *4 5W-30,10W-30,15W and 20W-50: API CF-4, CF or ACEA C2 ay damage catalytic	
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)	10.6 w/ Front : 11.7	ront Heater 6 (11.2, 9.3) and Rear Heater (12.4, 10.3) to Heater (10.4, 8.6)

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

2019/09 - 2021/07



		۷ D J I	76, 78, 79		5/05 Z0Z1/01
					w/ Differential lock: 2.25 to 2.35 (2.38 to
B		2.8 to (2.96 to 3.0		2.48, 1.98 to 2.06)	
		_	2.5		w/o Differential lock: 2.35 to 2.45
		_			(2.49 to 2.58, 2.07 to 2.15)
					uine Differential Gear L-5 or equivalent
liter (US qts, Imp	. qts)			uine Differential Gear L-5 or equivalent
N *m (kgf*c		Ą		37.24 <i>(</i> 3	380, 27)
ft.*lbf)	E	В		49 (50	00, 36)
()				HZJ,	VDJ
(8	mm	ı (in.)		1 30	(1.18)
				HZJ,	VDJ
B A C	Α		1° 00	0' +/-45' (1.00° +/-0.75°)
	B C		13° 00' +/-45' (13.00° +/-0.75°)		
o d			4° 20' +/-60' (4.33° +/-1.00°)*5		
 			3° 35' +/-60' (3.58° +/-1.00°)*6		
	D		29° 00' to 32° 00' (29.00° to 32.00°)		
Front	E + F	=	0° 00' +/-12' (0.00° +/-0.2°)		
G	G - H	ł	0.12 (0.00 . / 0.0707)		
	mm	ı (in.)	0 +/-2 (0.00 +/-0.0787)		
		. /	Unladen	vehicle	Fully laden vehicle
			(<u> </u>	
				Specific	Repair Manual cations / Tire and eel)
kPa (kg	gf/cm² or bar	r, 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/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long

<u>↑</u>		VDJ	HZJ	
↑				
20°	C (68°F)	1.25 to 1.29		
		1VD-FTV	1HZ	
cm³ (cu. in.)	4461 (272.2)	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	1.0	
\(\overline{\ov	sec.	1.0*4	0	
	mm (in.)		1.03 to 1.09 (0.0406 to 0.0429)	
			°×××	
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)	
			-	

*1: w/ DPF	*2: w/o DPF

VD	J76, 78, 7	9		2019/0	09 - 2021/07
		500	to 600	60	0 to 700
rpm		4700) to 4900	450	0 to 4700
		1 2700 (27.5, 392)			3628 7.0, 526)
			2 200 .4, 319)	(27	2648 7.0, 384)
kPa (kgf/cm², psi)			500 1, 73)		490 5.0, 71)
KF4 (Ng//CIII , psi)	A	1: 80 (816, 59) 2: 90° 3: 90°		1: 68.6 (700, 51 2: 90° 3: 90°	
C A B	В	21 (4: 90° 21 (214, 15)		5 (200, 14)
D	С	36 (367, 27)		41.7 (425, 31)	
	D			46.6 (475, 34)	
N*m (kgf*cm, ft.*lbf)	E			63.7 (650, 47)	
		1 50 (0.5, 7.3)		1 29 (0.3, 4.2)	
kPa (kgf,	/cm², psi)	2500 rpm 11 230 (2.3, 33)		3000 rpm	1 245 (2.5, 36)
1		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)	0W-30 and 5W-30: ACEA C2 *1 5W-30,10W-30,15W-40 and 20W-50:		an	0W-30,15W-40 d 20W-50: , CF or ACEA B1
		API CF-4, CF or ACEA-B3, B4, B5 or JASO DL-0 *2			
N*m (kgf*cm, ft.*lbf) liter (US qts,	Mp. qts)	38 (387, 28) 14.8 (15.6, 13.0)		w/ F 10.6 w/ Front 11.7	front Heater 6 (11.2, 9.3) and Rear Heater (12.4, 10.3) /o Heater (10.4, 8.6)

SDS TOYOTA LAND CRUISER Diesel HZJ71, 76, 78, 79 2021/07 - 2022/09

			100110	
	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)	
В	В		o 15.0 o 0.590)	
A	С	25	(0.984)	
mm (in.)			or FMVSS 5 DOT3	
	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)*2 128 (5.04)*4 136(5.35)*3	127 (4.99)*2 136 (5.35)*3 136 (5.35)*4	
mm (in.)			or FMVSS 5 DOT3	
196 N (20	kgf, 44 lbf)	7 to 9	Clicks	
A. P				
	A		(0.0394)	
mm (in.)	B	30 (1.181)	16.0 (0.630)	
			1.0 (0.0394)	
mm (in.)	J		211 (8.31)	
mm (in.)			297.0 (11.693)	
one of the second				
	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)	
	*cm, ft.*lbf)	209 <i>(</i> 21 Alumin	l wheel 131, 154) um wheel 336, 97)	
		1VD-FTV	1HZ	
A	1 3 5 2 4 R	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) (H)=(N)=(L)	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)	
liter (US qts	s, Imp. qts)	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90	

	VD.	J76, 78, 79	1/07 - 2022/09	
	n		w/ Differential lock: 2.25 to 2.35 (2.38 to	
	B	2.8 to 2.9 (2.96 to 3.06, 2.47 to	2.48, 1.98 to 2.06) w/o Differential	
		2.55)	lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)	
		w/o LSD: Toyota Gen Oil LT 75W-85 GI		
liter ((US qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 Gi		
N *m (kgf*c	em, A	37.24 (3	380, 27)	
ft.*lbf)	В	49 (500, 36)		
•		HZJ,	VDJ	
(5		IJ 30	(1.18)	
	mm (in.)		• • • • • • • • • • • • • • • • • • • •	
		HZJ,	VDJ	
BA C	Α	1° 00' +/-45' (1.00° +/-0.75°)	
	В	,	13.00° +/-0.75°)	
ŶŶ	С	4° 20' +/-60' (4.33° +/-1.00°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6		
Ψ Ψ	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)		
	IIIII (#1.)	Unladen vehicle	Fully laden vehicle	
		Please refer to (Service Specific Who	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/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long
*7: for H150F *8: for H152F

LAND CRUISER Diesel



<u> </u>		1/5:		
0		VDJ	HZJ	
(+)				
20	° C (68°F)	1.25 to 1.29		
		1VD-FTV	1HZ	
cm ³ ((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	1.0	
	sec.	1.0*4	1.0	
	mm (in.)		1.03 to 1.09 (0.0406 to 0.0429)	
	()		° × × ×	
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)	
mm (in.)			0.35 to 0.45 (0.00138 to 0.0177)	

VDJ76, 78, 79 2021/07 - 2022/09							
		500 to 600		600 to 700			
rpm		4700 to 4900		4500 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 (5.1, 73)		490 (5.0, 71)			
in a (i.g//oiii , po/	A		1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	\$ 0°	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			46.6 (475, 34)			
N*m (kgf*cm, ft.*lbf)	E			63.7 (650, 47)			
Q File		50 (0.5, 7.3)		1 29 (0.3, 4.2)			
kPa (kgf	/cm², psi)	2500 rpm	1 230 (2.3, 33)	3000 rpm	1 245 (2.5, 36)		
		1VD-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, Imp. qts)		0W-30 and 5W-30: ACEA C2 or JASO DL-1 *1		5W-30 and 10W-30:			
		5W-30 and 10W-30: API CF-4, CF or ACEA-B3, B4, B5 or JASO DL-0 *2		API CF-4, CF or ACEA B3, B4, B5 or JASO DL-0			
N*m (kgf*cm, ft.*lbf)	Α	38 (387, 28)	34.3	(350, 25)		
liter (US qts, Imp. qts)		w/ Front Heater 10.6 (11.2, 9.3) w/ Front and Rear He 11.7 (12.4, 10.3) w/o Heater 9.8 (10.4, 8.6)		6 (11.2, 9.3) and Rear Heater (12.4, 10.3) /o Heater			

2022/09 -

			AD CIVO	ISER Di	VD.	76, 78, 79	
	Α	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)		□ B	2.8 to 2.9 (2.96 to 3.06, 2.47 to	2.2 2.
B	В		o 15.0 o 0.590)			2.55)	(2.
A	С	1 25	(0.984)			w/o LSD: Toyota Gen Oil LT 75W-85 GI	
		SAE J1703 No. 116	or FMVSS 5 DOT3	liter (US qts, Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 Gi	
mm (in.)				N*m (kgf*ci	т, А	37.24 (3	380,
				ft.*lbf)	В	49 (50)O, 3
	Α	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)	•		HZJ,	VL
	В	1.0 to 6.0 (0.0	0394 to 0.236)			1120,	
	C*1	128 (5.04)*2 128 (5.04)*4	127 (4.99)*2 136 (5.35)*3	E	mm (in.)	₩ 30	(1.
C		136 (5.35)*3	136 (5.35)*4			HZJ,	VE
mm (in.)		SAE J1703 No. 116	or FMVSS 5 DOT3	ва с	Α	1° 00' +/-45' (1.00
1		7 to 9	Clicks	1 D	В	13° 00' +/-45' (
196 N (20 k	gf, 44 lbf)			D	С	4° 20' +/-60' (4	1.33
A A		<u> </u>		# - #		3° 35' +/-60' (3	
	Α	1.0	(0.0394)		D	29° 00' to 32° 00'	(29.
mm (in.)	В	30 (1.181)	16.0 (0.630)	E F H Front	E+F	0° 00' +/-12' (0.00
			1.0 (0.0394)				
mm (in.)	6		1.5 (0.0591)	[↑] G ^ト	G - H	0 +/-2 (0.00) +/-(
	Se la constant de la		211 (8.31)		mm (in.)	Unladen vehicle	F
mm (in.)	6		297.0 (11.693)				
						-	I
F		26 to 52 (3 to 5,	1.8 to 4.0 (0.2 to 0.4,				
	(kgf, lbf)	5.8 to 11.7)	0.4 to 0.9)				
N*m (kgf*c	cm, ft.*lbf)	209 <i>(</i> 21 Alumin	l wheel (31, 154) um wheel 336, 97)				
	,	1VD-FTV	1HZ			Please refer to	_
D A	1 3 5 2 4 R	2.9 (3.1, 26)	2.2 (2.3, 1.9)			(Service Specific Wh	
liter (US qts, Imp. q		API GL-4*7 API (GL-3) GL-4*8 SAE 75W-90	API GL-4 SAE 75W-90	"			
A (1) 1) 1)=(N)=(L)	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)				
★ ★	-						

		∧D1	76, 78, 79	2022/09 -		
				w/ Differential lock:		
	—-П			2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06)		
		В	2.8 to 2.9 (2.96 to 3.06, 2.47 to	w/o Differential		
			2.55)	lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)		
			w/o LSD: Toyota Genu Oil LT 75W-85 GL	uine Differential Gear		
liter ((US qts,	Imp. qts)	w/ LSD: Toyota Genu Oil LX 75W-85 GL			
N*m (kgf*c	em,	Α	37.24 <i>(</i> 380 <i>,</i> 27 <i>)</i>			
ft.*lbf)	В		49 (50	0, 36)		
•			HZJ,	VDJ		
mm (in.)			₩ 30	(1.18)		
			HZJ,	VDJ		
C C	A B		1° 00' +/-45' (1.00° +/-0.75°)			
Ŷ			13° 00' +/-45' (13.00° +/-0.75°)			
	С		4° 20' +/-60' (4.33° +/-1.00°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6			
Ψ Ψ	D		29° 00' to 32° 00' (29.00° to 32.00°)			
Front	E	+ F	0° 00' +/-12' (0.00° +/-0.2°)			
G	G - H		0 +/-2 (0.00 +/-0.0787)			
		mm (in.)	Unladen vehicle Fully laden vehicle			
			<u> </u>			
		Please refer to Repair Manual (Service Specifications / Tire and Wheel)				
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/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long
*7: for H150F *8: for H152F



♠⊕		VDJ	HZJ	
*3		Pre-collision System		
20°	C (68°F)	1.25 to 1.29		
#0000 =		1VD-FTV	1HZ	
cm³ (c	cu. in.)	4461 <i>(</i> 272.2 <i>)</i>	4164 <i>(</i> 2 <i>54.0)</i>	
			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)	
mm (in.) N (kgf)	S		16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)	
20°C	(68°F)	Approximately		
	Ω	1.0*4 0.7 or higher*3	Approximately 1.0	
	(95°F)*3 \$ (82°F)*4	0.7*3	1.0	
	sec.	1.0*4		
	mm (in.)		1.03 to 1.09 (0.0406 to 0.0429)	
	(,		° × × ×	
			14220 to 15200 (145.0 to 155.0, 2062 to 2204)	
kPa (kgf/cm², psi)		<u> </u>	0.15 to 0.25 (0.00591 to 0.00984)	

HZJ71, 76, 78, 79 VDJ76, 78, 79

VDJ		2022/09 -				
		500 to 600		600 to 700		
rpm		4700 to 4900		4500 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 (5.1, 73)		490 (5.0, 71)		
	Α	1: 80 (816, 59) 2: 90° 3: 90° 4: 90°		1: 68.6 (700, 51) 2: 90° 3: 90°		
A B	В	21 (214, 15)	19.6 (200, 14)		
E	С	36 (367, 27)	41.7 (425, 31)		
	D			46.6 (475, 34)		
N*m (kgf*cm, ft.*lbf)	E			63.7 (650, 47)		
		1 50 (0.5, 7.3)		1 29 (0.3, 4.2)		
kPa (kgf)	/cm², psi)	2500 rpm	1 230 (2.3, 33)	3000 rpm	1 245 (2.5, 36)	
		1VD-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, Imp. qts)		0W-30 and 5W-30: ACEA C2 or JASO DL-1 *1		5W-30 and 10W-30:		
			5W-30 and 10W-30: API CF-4, CF or ACEA-B3, B4, B5 or JASO DL-0 *2		API CF-4, CF or ACEA B3, B4, B5 or JASO DL-0	
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)		

*1: w/ DPF *2: w/o DPF *3: Initialization required. Refer to the repair manual for the initialization procedures.