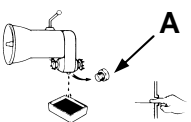
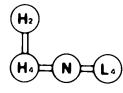
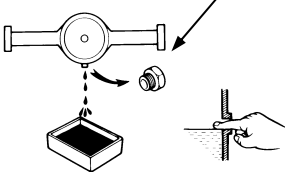


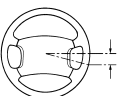


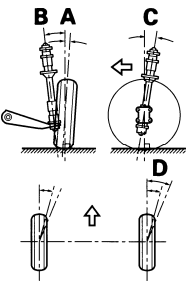
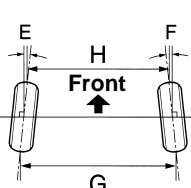
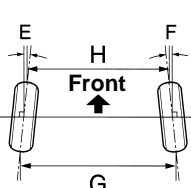

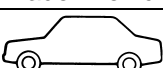
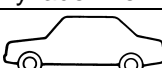
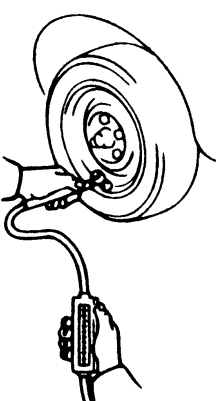




	A	179.2 to 189.2 (7.06 to 7.44)		185 to 195 (7.29 to 7.67)	
	B	5.0 to 15.0 (0.197 to 0.590)			
	C	25 (0.984)			
		SAE J1703 or FMVSS No. 116 DOT3			
		GRJ			
	A	177.9 to 187.9 (7.01 to 7.39)		175.9 to 185.9 (6.93 to 7.31)	
	B	1.0 to 6.0 (0.0394 to 0.236)			
	C*1	128 (5.04)*2 136(5.35)*3		127 (4.99)*2 136 (5.35)*3	
		SAE J1703 or FMVSS No. 116 DOT3			
		7 to 9 Clicks			
	A	1.0 (0.0394)			
	B	30 (1.181)		16.0 (0.630)	
		1.0 (0.0394)		1.5 (0.0591)	
		1.0 (0.0394)		1.5 (0.0591)	
		1.0 (0.0394)		1.5 (0.0591)	
		1.0 (0.0394)		1.5 (0.0591)	
		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)	
		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)			
		GRJ			
		2.9 (3.1, 2.6)			
		API GL-4 SAE 75W-90			


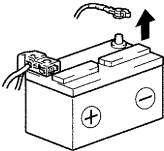
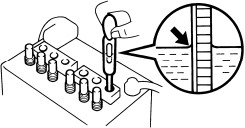

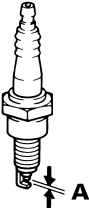
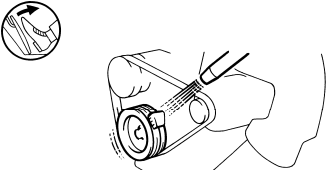
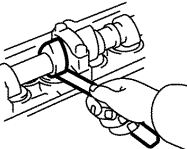


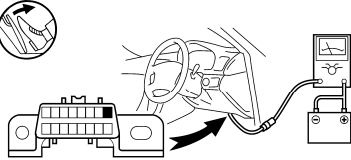

 A	 B	1.5 (1.6, 1.3)	
	API GL-4 or GL-5 SAE 75W-90		
 B		2.8 to 2.9 <i>(2.96 to 3.06, 2.47 to 2.55)</i>	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06)
			w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)
			w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent
N*m (kgf*cm, ft.*lbf)	A	37.24 (380, 27)	
	B	49 (500, 36)	
		GRJ	
 mm (in.)		 30 (1.18)	
		GRJ	
 A	A	1° 00' +/-45' (1.00° +/-0.75°)	
	B	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	E + F	0° 00' +/-12' (0.00° +/-0.2°)	
	G - H	0 +/-2 (0.00 +/-0.0787)	
 G - H	G - H	0 +/-2 (0.00 +/-0.0787)	
	mm (in.)		
		Unladen vehicle	Fully laden vehicle
			
		Please refer to Repair Manual (Service Specifications / Tire and Wheel)	
kPa (kgf/cm² or bar, psi)			

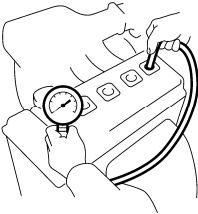








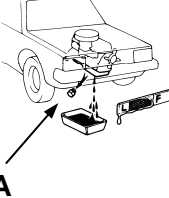


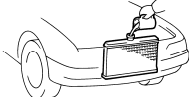
*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

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

LAND CRUISER

GRJ71, 76, 78, 792014/08 - 2017/01

		GRJ	
			
 20°C (68°F)		1.25 to 1.29	
		1GR-FE	
cm ³ (cu. in.)		3956 (241.4)	
	DENSO	K20HR-U11	
	NGK	LFR6C-11	
	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)	
 mm (in.)		0.15 to 0.25 (0.00591 to 0.00984)	
		0.29 to 0.39 (0.0114 to 0.0154)	
 rpm		 650 to 750 (DLC3 Terminal 9 (TAC) Connected)*2	

 kPa (kgf/cm ² , psi)		1300 (13.3, 189)	
		1000 (10.2, 145)	
		100 (1.0, 15)	
 kPa (kgf/cm ² , psi)		29 (0.3, 4.2)	
	3000 rpm 	 294 to 588 (3.0 to 6.0, 43 to 85)	
		1GR-FE	
 A liter (US qts, Imp. qts)		5.1 (5.4, 4.5)	
		5.4 (5.7, 4.8)	
	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)	
 liter (US qts, Imp. qts)		w/o Heater: 10.1 (10.6, 8.8) w/ Heater: 10.9 (11.5, 9.5)	

*1: International Lubricant Standardization and Approval Committee
*2: Transmission in neutral position and A/C switch off




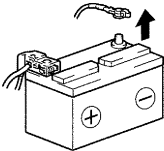
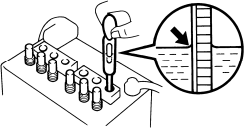

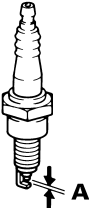
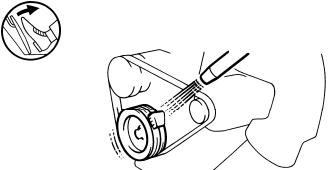
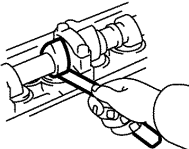


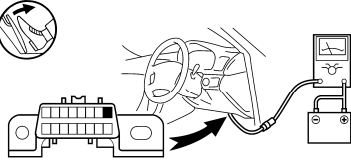

		1.5 (1.6, 1.3)	
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90	
	liter (US qts, Imp. qts)		
		2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)
		w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent	
N*m (kgf*cm, ft.*lbf)	A	37.24 (380, 27)	
	B	49 (500, 36)	
		GRJ	
		30 (1.18)	
		mm (in.)	
		GRJ	
	A	1° 00' +/-45' (1.00° +/-0.75°)	
	B	13° 00' +/-45' (13.00° +/-0.75°)	
	C	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°)	
	E + F	0° 00' +/-12' (0.00° +/-0.2°)	
	G - H	0 +/-2 (0.00 +/-0.0787)	
mm (in.)			
		Unladen vehicle	Fully laden vehicle
		Please refer to Repair Manual (Service Specifications / Tire and Wheel)	
		kPa (kgf/cm ² or bar, psi)	

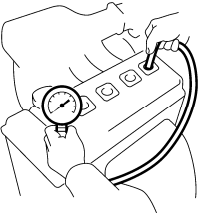



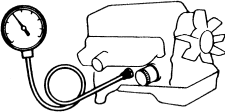




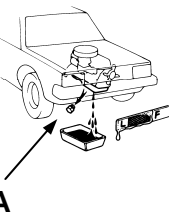


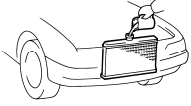
*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.
*2: w/o ABS *3: w/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long

LAND CRUISER

GRJ71, 76, 78, 79

2017/01 -

		GRJ	
			
 20°C (68°F)		1.25 to 1.29	
		1GR-FE	
cm ³ (cu. in.)		3956 (241.4)	
	DENSO	K20HR-U11	
	NGK	LFR6C-11	
	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)	
 mm (in.)		0.15 to 0.25 (0.00591 to 0.00984)	
		0.29 to 0.39 (0.0114 to 0.0154)	
 rpm		 650 to 750 (DLC3 Terminal 9 (TAC) Connected)*2	

 kPa (kgf/cm ² , psi)		1300 (13.3, 189)	
		1000 (10.2, 145)	
		100 (1.0, 15)	
 kPa (kgf/cm ² , psi)		29 (0.3, 4.2)	
	3000 rpm 	 294 to 588 (3.0 to 6.0, 43 to 85)	
		1GR-FE	
 A liter (US qts, Imp. qts)		5.1 (5.4, 4.5)	
		5.4 (5.7, 4.8)	
	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)	
 liter (US qts, Imp. qts)		w/o Heater: 10.1 (10.6, 8.8) w/ Heater: 10.9 (11.5, 9.5)	

*1: International Lubricant Standardization and Approval Committee
*2: Transmission in neutral position and A/C switch off

	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
	B	5.0 to 15.0 (0.197 to 0.590)	
	C	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	1.0 to 6.0 (0.0394 to 0.236)	
	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	
		7 to 9 Clicks	
196 N (20 kgf, 44 lbf)			
	A	1.0 (0.0394)	
	B	30 (1.181)	16.0 (0.630)
mm (in.)			1.0 (0.0394)
			1.5 (0.0591)
mm (in.)			211 (8.31)
			297.0 (11.693)
		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)
		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)	
		1VD-FTV	1HZ
	A	1 3 5 2 4 R	2.9 (3.1, 26)
	A	2.2 (2.3, 1.9)	
liter (US qts, Imp. qts)		API GL-4 SAE 75W-90	
	A	1.5 (1.6, 1.3)	2.1 (2.2, 1.8)
	A	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90
liter (US qts, Imp. qts)			

		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 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	
liter (US qts, Imp. qts)			
N*m (kgf*cm, ft.*lbf)	A	37.24 (380, 27)	
	B	49 (500, 36)	
		HZJ, VDJ	
		30 (1.18)	
mm (in.)			
		HZJ, VDJ	
	A	1° 00' +/-45' (1.00° +/-0.75°)	
	B	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	0 +/-2 (0.00 +/-0.0787)	
mm (in.)			
		Unladen vehicle	Fully laden vehicle
		Please refer to Repair Manual (Service Specifications / Tire and Wheel)	
kPa (kgf/cm ² or bar, psi)			


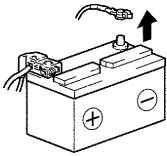
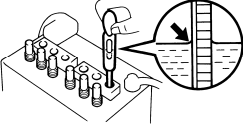

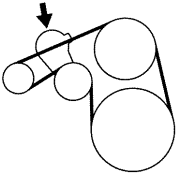
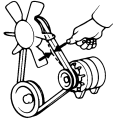



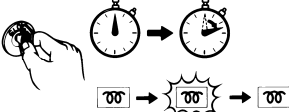
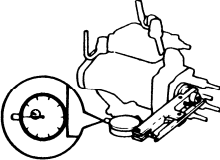
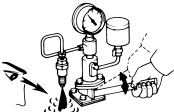
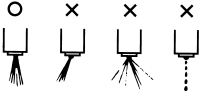
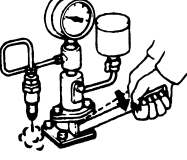

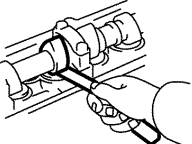


*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.
*2: w/o ABS: *3: w/ABS: *4: except Super Long *5: for Super Long

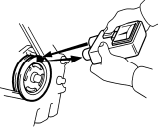






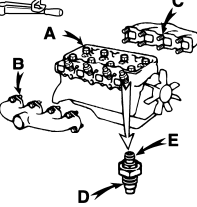
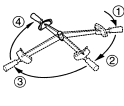
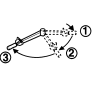
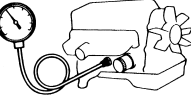





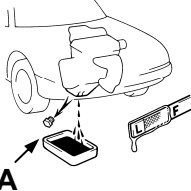



LAND CRUISER

Diesel

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

2014/08 - 2016/08

		VDJ	HZJ
			
 20°C (68°F)		1.25 to 1.29	
		1VD-FTV	1HZ
cm ³ (cu. in.)		4461 (272.2)	4164 (254.0)
			
 mm (in.) N (kgf)			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)
			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) sec.		1.0	Malaysia, Bangladesh 1.0 Other 2.4
 mm (in.)			1.03 to 1.09 (0.0406 to 0.0429)
			
 kPa (kgf/cm ² , psi)			13239 to 15200 (135.0 to 155.0, 1920 to 2204)
			14220 to 15200 (145.0 to 155.0, 2062 to 2204)
 mm (in.)			0.15 to 0.25 (0.00591 to 0.00984)
			0.35 to 0.45 (0.00138 to 0.0177)

 rpm		500 to 600	600 to 700
		4700 to 4900	4500 to 4700
 kPa (kgf/cm ² , psi)		2700 (27.5, 392)	3628 (37.0, 526)
		2200 (22.4, 319)	2648 (27.0, 384)
		500 (5.1, 73)	490 (5.0, 71)
 N*m (kgf*cm, ft.*lbf)	A	 1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	 1: 68.6 (700, 51) 2: 90° 3: 90°
	B	21 (214, 15)	19.6 (200, 14)
	C	36 (367, 27)	41.7 (425, 31)
	D		63.7 (650, 47)
	E	34 (347, 25)	14.7 (150, 11)
 kPa (kgf/cm ² , psi)		50 (0.5, 7.3)	29 (0.3, 4.2)
		2500 rpm  230 (2.3, 33)	3000 rpm  245 (2.5, 36)
		1VD-FTV	1HZ
 liter (US qts, Imp. qts)		8.5 (9.0, 7.5)	10.0 (10.6, 8.8)
		9.4 (9.9, 8.3)	11.3 (11.9, 9.9)
		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 or CD)*1
N*m (kgf*cm, ft.*lbf)	A	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: 5W-30 is best choice for fuel economy and good starting in cold weather.
TOYOTA MOTOR CORPORATION Technical Service Division

	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
	B	5.0 to 15.0 (0.197 to 0.590)	
	C	25 (0.984)	
		SAE J1703 or FMVSS No. 116 DOT3	
mm (in.)			
	A	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)
	B	1.0 to 6.0 (0.0394 to 0.236)	
	C*1	128 (5.04)*2 136 (5.35)*3	127 (4.99)*2 136 (5.35)*6 136 (5.35)*7
		SAE J1703 or FMVSS No. 116 DOT3	
mm (in.)			
		7 to 9 Clicks	
196 N (20 kgf, 44 lbf)			
	A	1.0 (0.0394)	
	B	30 (1.181)	16.0 (0.630)
			1.0 (0.0394)
			1.5 (0.0591)
			211 (8.31)
			297.0 (11.693)
		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)
		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)	
		1VD-FTV	1HZ
	1 3 5 2 4 R	2.9 (3.1, 26)	2.2 (2.3, 1.9)
		API GL-4*8 API (GL-3) GL-4*9 SAE 75W-90	API GL-4 SAE 75W-90
liter (US qts, Imp. qts)		1.5 (1.6, 1.3)	2.1 (2.2, 1.8)
		API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90
liter (US qts, Imp. qts)			

<div></div> <div>liter (US qts, Imp. qts)</div>		<div></div>	
		<div>2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)</div>	<div>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)</div>
		<div>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</div>	
<div>N*m (kgf*cm, ft.*lbf)</div>	A	37.24 (380, 27)	
	B	49 (500, 36)	
<div></div>		HZJ, VDJ	
<div></div> <div>mm (in.)</div>		<div> 30 (1.18)</div>	
<div></div>		HZJ, VDJ	
<div></div>	A	1° 00' +/-45' (1.00° +/-0.75°)	
	B	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°)	
<div></div>	E + F	0° 00' +/-12' (0.00° +/-0.2°)	
	G - H	0 +/-2 (0.00 +/-0.0787)	
<div>mm (in.)</div>			
<div></div>	Unladen vehicle	Fully laden vehicle	
	<div></div>	<div></div>	
<div></div> <div>kPa (kgf/cm² or bar, psi)</div>		<div>Please refer to Repair Manual (Service Specifications / Tire and Wheel)</div>	

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


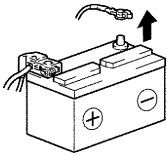
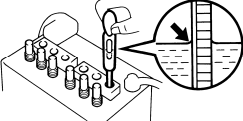

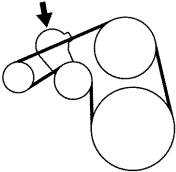
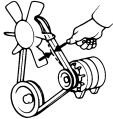



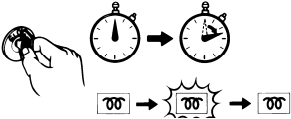
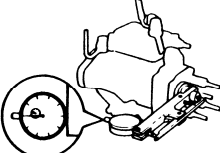
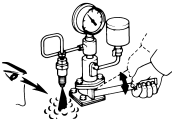
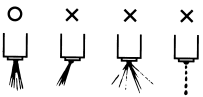


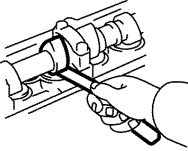


*2: w/o ABS: *3: w/ABS: *4: except Super Long *5: for Super Long *6: w/ ABS and w/o VSC *7: w/ ABS and VSC

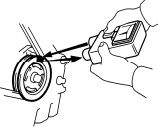


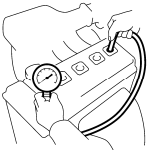

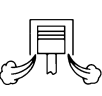

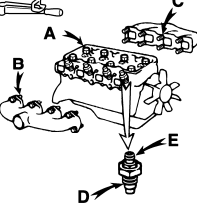
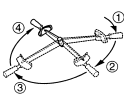

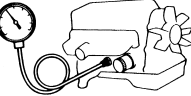





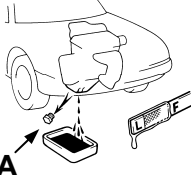



*8 for H150F *9: for H152F

LAND CRUISER

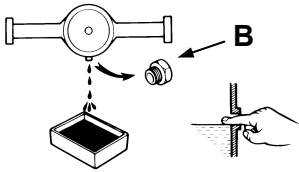


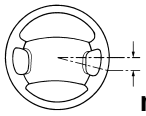


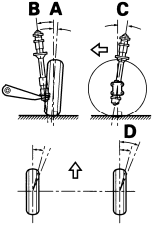
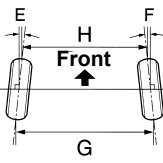

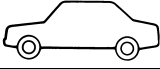

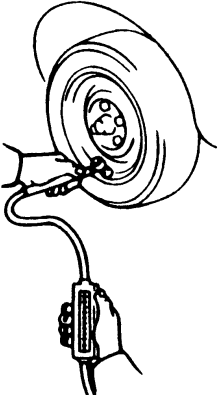
Diesel

HZJ71, 76, 78, 79
VDJ76, 78, 79
2016/08 - 2017/01

		VDJ	HZJ
			
 20°C (68°F)		1.25 to 1.29	
		1VD-FTV	1HZ
cm ³ (cu. in.)		4461 (272.2)	4164 (254.0)
			
 mm (in.) N (kgf)			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)
			16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)
20°C (68°F)  Ω		Approximately 1.0*4 0.7 or higher*3	Approximately 1.0
35°C (95°F)*3 28°C (82°F)*4  sec.		0.7*3 1.0*4	1.0
 mm (in.)			1.03 to 1.09 (0.0406 to 0.0429)
			
 kPa (kgf/cm ² , psi)			13239 to 15200 (135.0 to 155.0, 1920 to 2204)
			14220 to 15200 (145.0 to 155.0, 2062 to 2204)
 mm (in.)			0.15 to 0.25 (0.00591 to 0.00984)
			0.35 to 0.45 (0.00138 to 0.0177)

 rpm		500 to 600	600 to 700
		4700 to 4900	4500 to 4700
 kPa (kgf/cm ² , psi)		2700 (27.5, 392)	3628 (37.0, 526)
		2200 (22.4, 319)	2648 (27.0, 384)
		500 (5.1, 73)	490 (5.0, 71)
 N*m (kgf*cm, ft.*lbf)	A	 1: 80 (816, 59) 2: 90° 3: 90° 4: 90°	 1: 68.6 (700, 51) 2: 90° 3: 90°
	B	21 (214, 15)	19.6 (200, 14)
	C	36 (367, 27)	41.7 (425, 31)
	D		63.7 (650, 47)
	E	34 (347, 25)	14.7 (150, 11)
 kPa (kgf/cm ² , psi)		50 (0.5, 7.3)	29 (0.3, 4.2)
		2500 rpm  230 (2.3, 33)	3000 rpm  245 (2.5, 36)
		1VD-FTV	1HZ
 liter (US qts, Imp. qts)		8.5 (9.0, 7.5)	10.0 (10.6, 8.8)
		9.4 (9.9, 8.3)	11.3 (11.9, 9.9)
		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)	A	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)


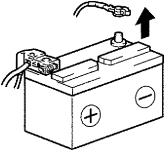
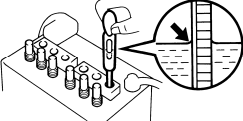

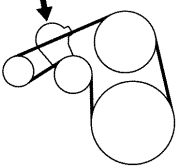
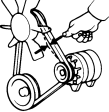



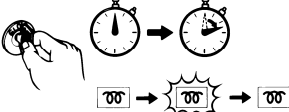
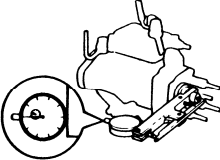







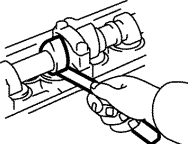


*1: 5W-30 is best choice for fuel economy and good starting in cold weather.
*2: 0W-30 is best choice for fuel economy and good starting in cold weather.
*3: w/ DPF *4: w/o DPF

 <p>liter (US qts, Imp. qts)</p>			
		<p>2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)</p>	<p>w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06)</p> <p>w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)</p>
		<p>w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent</p> <p>w/ LSD: Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent</p>	
<p>N*m (kgf*cm, ft.*lbf)</p>	A	37.24 (380, 27)	
	B	49 (500, 36)	
		HZJ, VDJ	
		 30 (1.18)	
		HZJ, VDJ	
	A	1° 00' +/-45' (1.00° +/-0.75°)	
	B	13° 00' +/-45' (13.00° +/-0.75°)	
	C	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°)	
	E + F	0° 00' +/-12' (0.00° +/-0.2°)	
	G - H	0 +/-2 (0.00 +/-0.0787) mm (in.)	
	Unladen vehicle		Fully laden vehicle
			
 <p>kPa (kgf/cm² or bar, psi)</p>		<p>Please refer to Repair Manual (Service Specifications / Tire and Wheel)</p>	

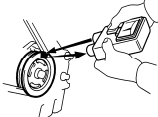


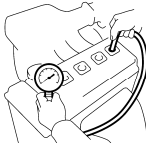




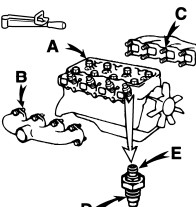
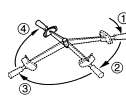
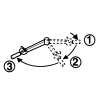
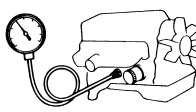





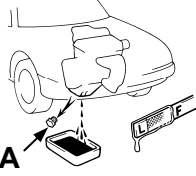



*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.
*2: w/o ABS *3: w/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long
*7: for H150E *8: for H152E

LAND CRUISER

Diesel

		VDJ	HZJ
			
 20°C (68°F)		1.25 to 1.29	
		1VD-FTV	1HZ
cm ³ (cu. in.)		4461 (272.2)	4164 (254.0)
			
 mm (in.) N (kgf)			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)
			16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)
20°C (68°F)  Ω		Approximately 1.0*4 0.7 or higher*3	Approximately 1.0
35°C (95°F)*3 28°C (82°F)*4  sec.		0.7*3 1.0*4	1.0
 mm (in.)			1.03 to 1.09 (0.0406 to 0.0429)
			   
 kPa (kgf/cm ² , psi)			14220 to 15200 (145.0 to 155.0, 2062 to 2204)
 mm (in.)			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.
*2: 0W-30 is best choice for fuel economy and good starting in cold weather.
*3: w/ DPF *4: w/o DPF

HZJ71, 76, 78, 79 VDJ76, 78, 79		2017/01 -			
 rpm		500 to 600		600 to 700	
		4700 to 4900		4500 to 4700	
  kPa (kgf/cm ² , psi)		↑ 2700 (27.5, 392)		↑ 3628 (37.0, 526)	
		2200 (22.4, 319)		2648 (27.0, 384)	
		↓ 500 (5.1, 73)		↓ 490 (5.0, 71)	
 N*m (kgf*cm, ft.*lbf)	A	 1: 80 (816, 59) 2: 90° 3: 90° 4: 90°		 1: 68.6 (700, 51) 2: 90° 3: 90°	
	B	21 (214, 15)		19.6 (200, 14)	
	C	36 (367, 27)		41.7 (425, 31)	
	D	_____		63.7 (650, 47)	
	E	34 (347, 25)		14.7 (150, 11)	
 kPa (kgf/cm ² , psi)		↑ 50 (0.5, 7.3)		↑ 29 (0.3, 4.2)	
	 2500 rpm 	↑ 230 (2.3, 33)	3000 rpm 	↑ 245 (2.5, 36)	
		1VD-FTV		1HZ	
 A		8.5 (9.0, 7.5)		10.0 (10.6, 8.8)	
		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, *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)	A	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)	