

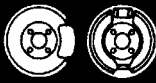
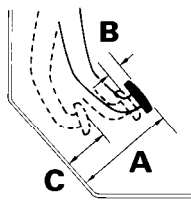






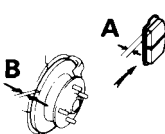



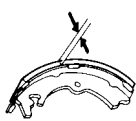




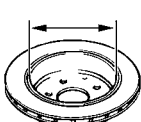





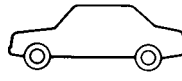
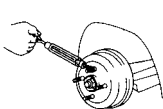
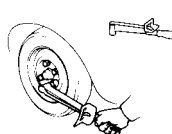

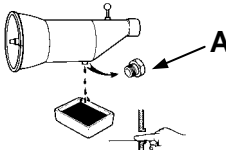


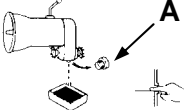
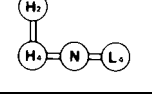
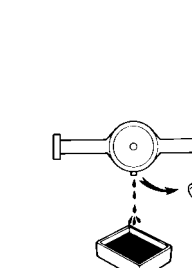


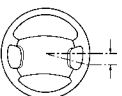


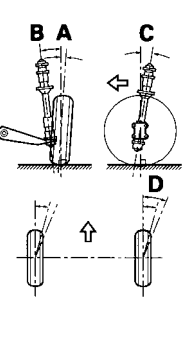

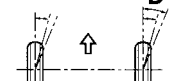

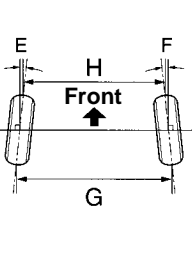
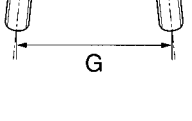

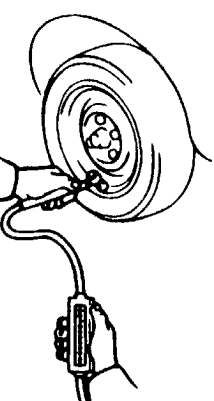
	A	179.2 to 189.2 (7.06 to 7.44)		185 to 195 (7.29 to 7.67)			
	B	5.0 to 15.0 (0.197 to 0.590)					
	C	 25 (0.984)					
		SAE J1703 or FMVSS No. 116 DOT3					
mm (in.)							
		GRJ					
	A	177.9 to 187.9 (7.01 to 7.39)		175.9 to 185.9 (6.93 to 7.31)			
	B	1.0 to 6.0 (0.0394 to 0.236)					
	C*1	 128 (5.04)*2  136(5.35)*3		 127 (4.99)*2  136 (5.35)*3			
		SAE J1703 or FMVSS No. 116 DOT3					
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)			
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)					
		API GL-4 SAE 75W-90					
liter (US qts, Imp. qts)							


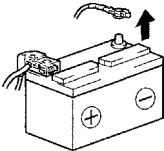
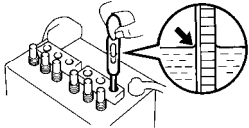

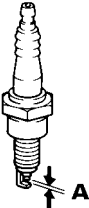
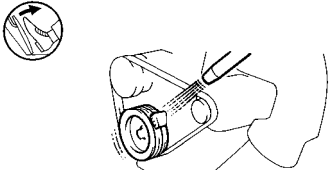
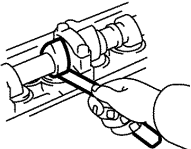


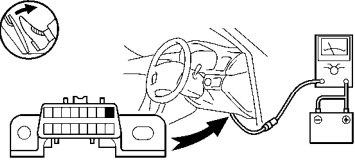

		1.5 (1.6, 1.3)	
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90	
		 <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> 2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55) </div> <div style="width: 45%;"> w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o 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	
liter (US qts, Imp. qts)			
N*m (kgf*cm, ft.*lbf)	A	37.24 (380, 27)	
	B	49 (500, 36)	
 mm (in.)		 30 (1.18)	
		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°)*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
 kPa (kgf/cm² or bar, psi)		Please refer to Repair Manual (Service Specifications / Tire and Wheel)	

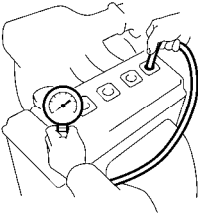






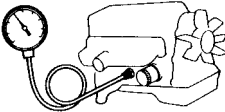





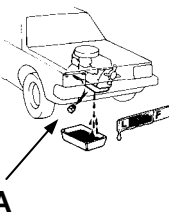


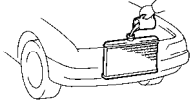
*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

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

LAND CRUISER

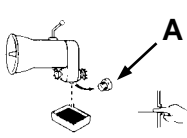
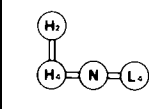
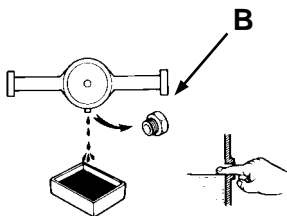
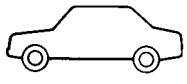

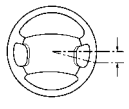


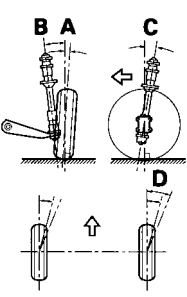
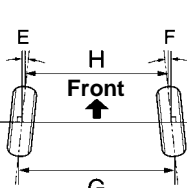


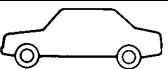
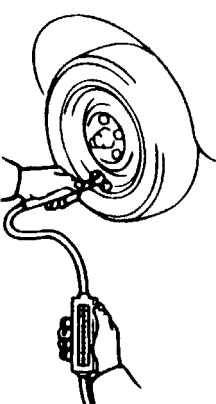
GRJ71, 76, 78, 79 2014/08 - 2017/01

		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


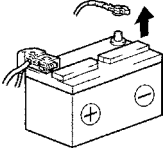
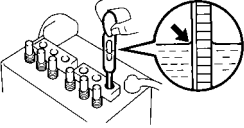

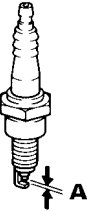
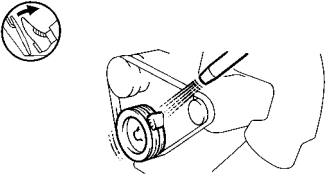
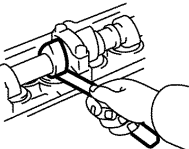


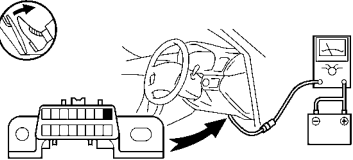

	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
	B	5.0 to 15.0 (0.197 to 0.590)	
	C	25 (0.984)	
 mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
		GRJ	
	A	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)
	B	1.0 to 6.0 (0.0394 to 0.236)	
	C*1	128 (5.04)*2 128 (5.04)*4 136(5.35)*3	127 (4.99)*2 136 (5.35)*3 136 (5.35)*4
 mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
 196 N (20 kgf, 44 lbf)		7 to 9 Clicks	
	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)
 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 (kgf*cm, ft.*lbf)		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)	
		GRJ	
	A	2.9 (3.1, 2.6)	
		API GL-4 SAE 75W-90	
liter (US qts, Imp. qts)			

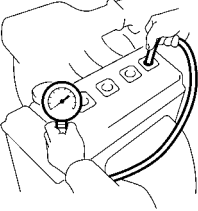



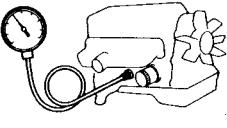




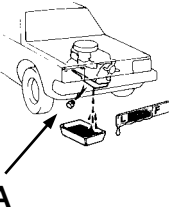


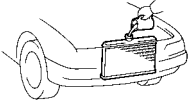
 		1.5 (1.6, 1.3)	
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90	
			
		2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)	w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)
		w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 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)	
		GRJ	
	mm (in.)	 30 (1.18)	
		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

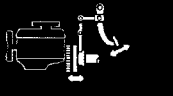


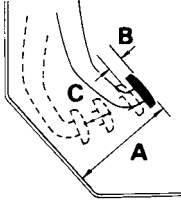


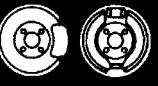
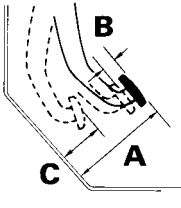







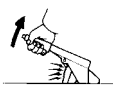
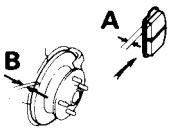



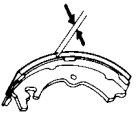




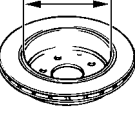





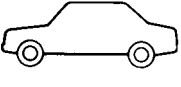
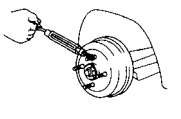
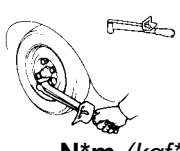

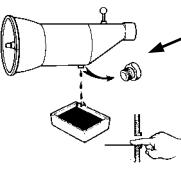
LAND CRUISER

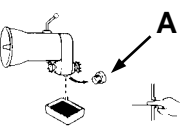
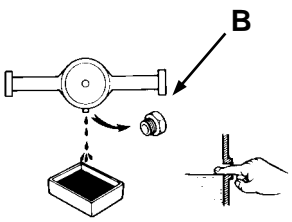
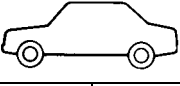

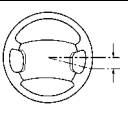


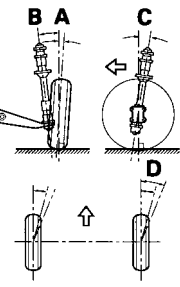
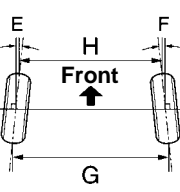

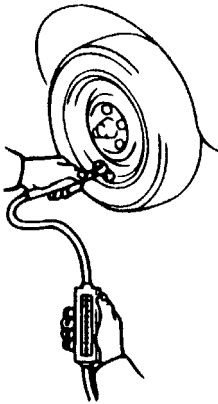
GRJ71, 76, 78, 792017/01 - 2019/09

		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


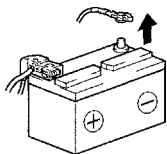
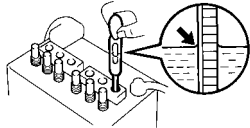

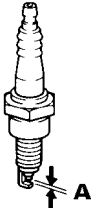
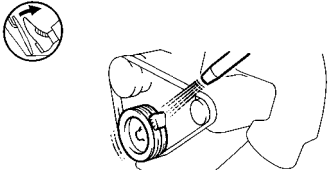
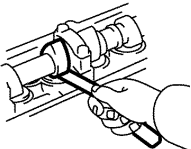


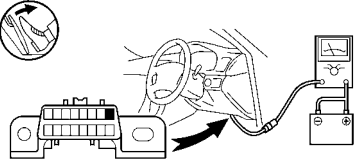

			
	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
	B	5.0 to 15.0 (0.197 to 0.590)	
	C	 25 (0.984)	
mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3	
		GRJ	
	A	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)
	B	1.0 to 6.0 (0.0394 to 0.236)	
	C*1	 128 (5.04)*2  128 (5.04)*4  136 (5.35)*3	 127 (4.99)*2  136 (5.35)*3  136 (5.35)*4
mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3	
 196 N (20 kgf, 44 lbf)		7 to 9 Clicks	
 mm (in.)	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)
			
 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 (kgf*cm, ft.*lbf)		Steel wheel 209 (2131, 154) Aluminum wheel 131 (1336, 97)	
		GRJ	
 liter (US qts, Imp. qts)	A	2.9 (3.1, 2.6)	
		API GL-4 SAE 75W-90	

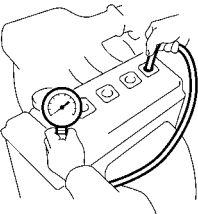



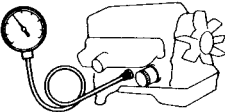



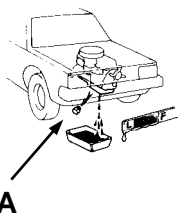


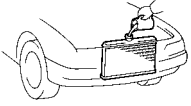
 liter (US qts, Imp. qts)		1.5 (1.6, 1.3)	
 liter (US qts, Imp. qts)		 w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15) w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential 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	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 mm (in.)	0 +/-2 (0.00 +/-0.0787)	
		Unladen vehicle	Fully laden vehicle
 kPa (kgf/cm² or bar, psi)		Please refer to Repair Manual (Service Specifications / Tire and Wheel)	

*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

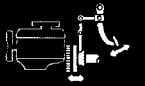


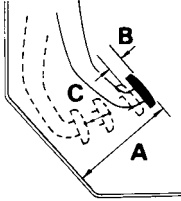


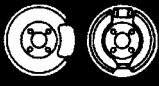
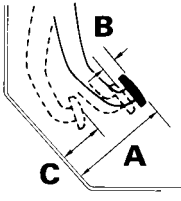







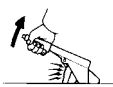
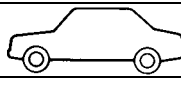
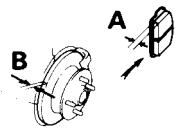



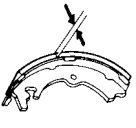




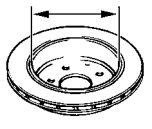





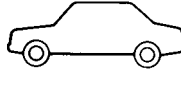
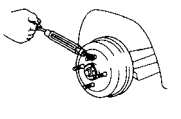
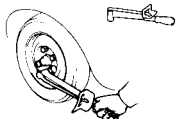

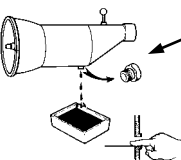
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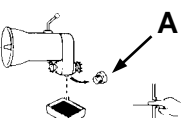
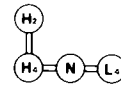
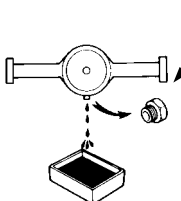


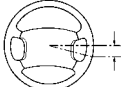

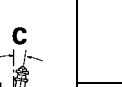

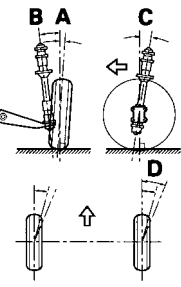
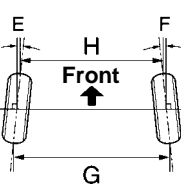

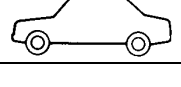
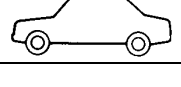
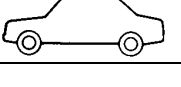
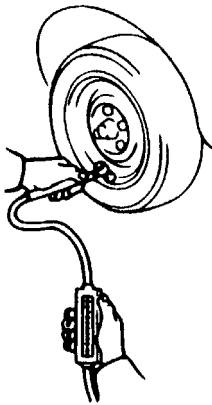
GRJ71, 76, 78, 792019/09 - 2021/07

		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", SM "Energy-Conserving", SN "Resource-Conserving", SN PLUS "Resource-Conserving" or ILSAC*1 multigrade engine oil
	15W-40 20W-50	API grade SL, SM, SN or SN PLUS 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	
		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  128 (5.04)*4  136 (5.35)*3	 127 (4.99)*2  136 (5.35)*3  136 (5.35)*4
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)
			 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)	
		GRJ	
	A	2.9 (3.1, 2.6)	
		API GL-4 SAE 75W-90	
liter (US qts, Imp. qts)			


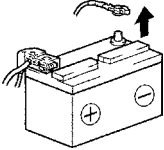
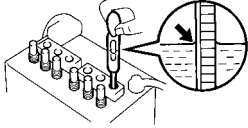

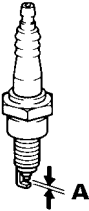
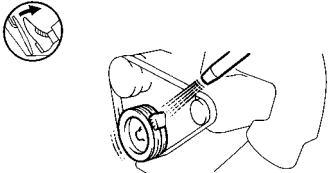
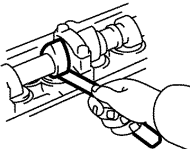


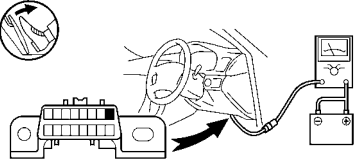
			1.5 (1.6, 1.3)
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90	
			
	2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)		w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)
	liter (US qts, Imp. qts)		w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent w/ LSD: Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent
N*m (kgf*cm, ft.*lbf)	A	37.24 (380, 27)	
	B	49 (500, 36)	
		GRJ	
		mm (in.)	
		GRJ	
		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/cm² or bar, psi)			

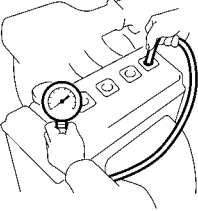



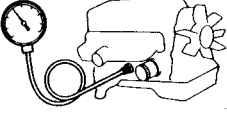



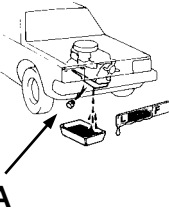


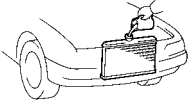
*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.
*2: w/o ABS *3: w/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long

LAND CRUISER

GRJ71, 76, 78, 79

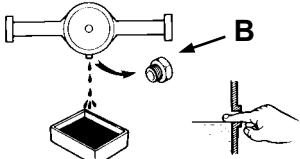
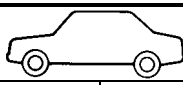

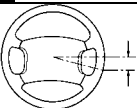


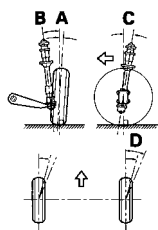
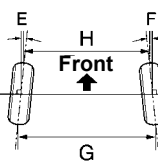



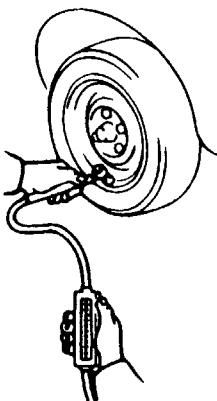
2021/07 -

		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
 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", 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*lb)	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


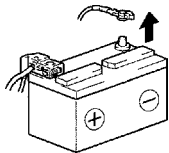
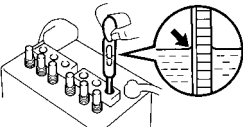

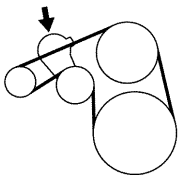
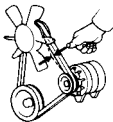



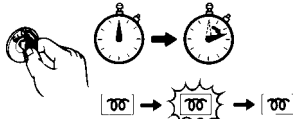
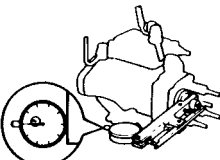
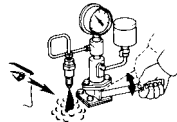
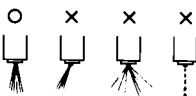
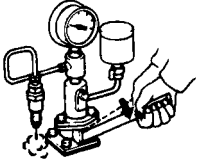


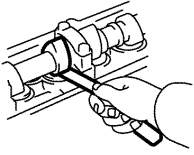


 <			

<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>		Please refer to Repair Manual (Service Specifications / Tire and Wheel)	
<div>kPa (kgf/cm² or bar, psi)</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

LAND CRUISER

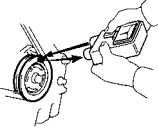






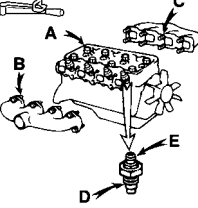
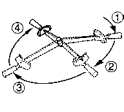
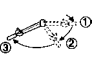
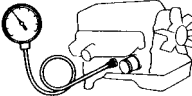





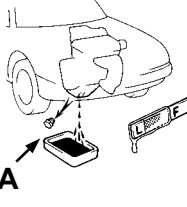



Diesel

		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	
 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)

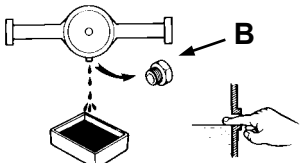
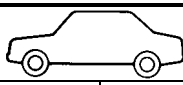

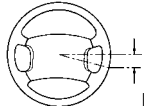


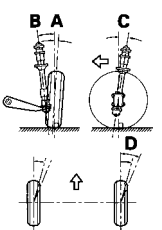
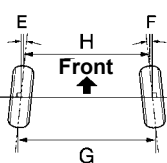


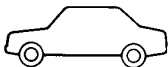
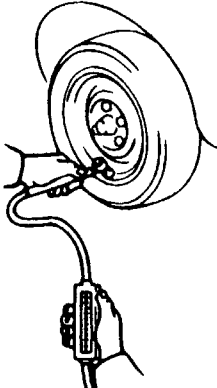
*1: 5W-30 is best choice for fuel economy and good starting in cold weather.
TOYOTA MOTOR CORPORATION Technical Service Division

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

2014/08 - 2016/08

 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			46.6 (475, 34)	
	E			63.7 (650, 47)	
 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)		
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 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)	


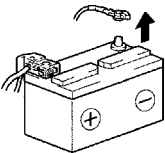
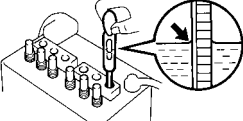

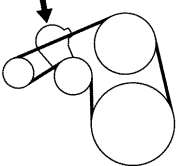
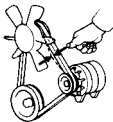



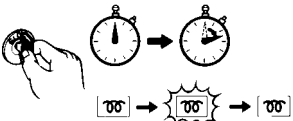
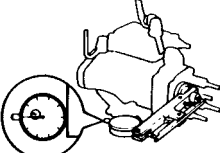
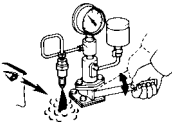
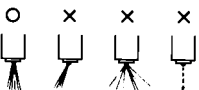


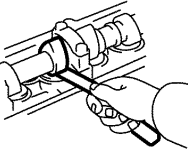


	A	179.2 to 189.2 (7.06 to 7.44)		185 to 195 (7.29 to 7.67)	
	B	5.0 to 15.0 (0.197 to 0.590)			
	C	25 (0.984)			
	mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3		
	A	177.9 to 187.9 (7.01 to 7.39)		175.9 to 185.9 (6.93 to 7.31)	
	B	1.0 to 6.0 (0.0394 to 0.236)			
	C*1	128 (5.04)*2 136(5.35)*3		127 (4.99)*2 136 (5.35)*6 136 (5.35)*7	
	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)	
				1.0 (0.0394)	
				1.5 (0.0591)	
				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)	
		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)	
	liter (US qts, Imp. qts)		API GL-4*8 API (GL-3) GL-4*9 SAE 75W-90		API GL-4 SAE 75W-90
	A			1.5 (1.6, 1.3)	
	liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90		API GL-4 or GL-5 SAE 90

<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> <div>E + F</div>	0° 00' +/-12' (0.00° +/-0.2°)		
	<div>G - H</div> <div>mm (in.)</div>	0 +/-2 (0.00 +/-0.0787)	
<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>	

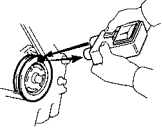


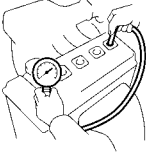







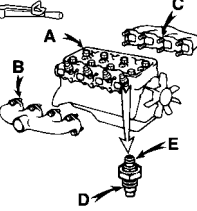
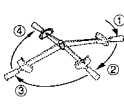

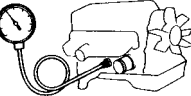









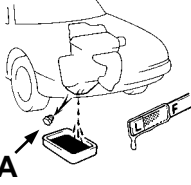


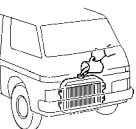
*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

*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

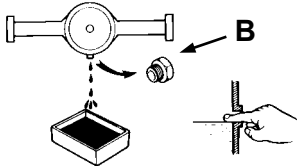


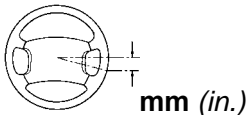


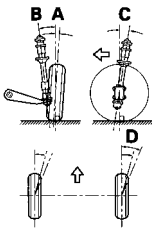
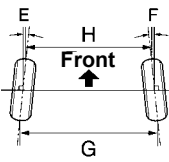



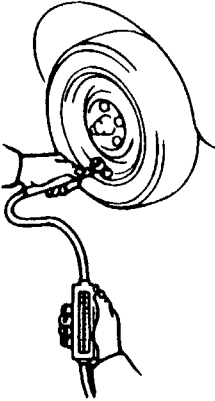
*8 for H150F *9: for H152F

		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)		Approximately 1.0*4	Approximately 1.0
Ω		0.7 or higher*3	
 35°C (95°F)*3 28°C (82°F)*4 sec.		0.7*3	1.0
		1.0*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)

*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

 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		46.6 (475, 34)
	E		63.7 (650, 47)
 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)


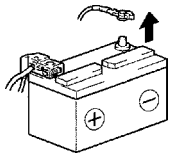
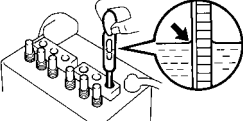

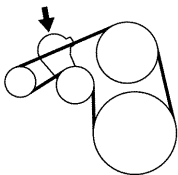
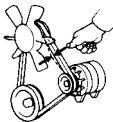


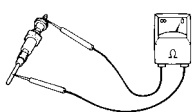
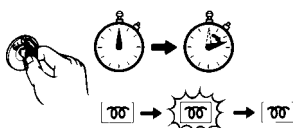
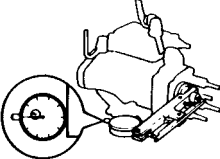
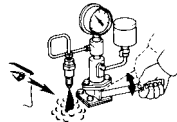
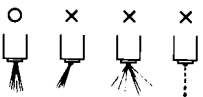
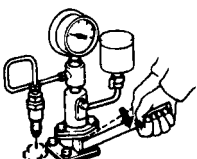
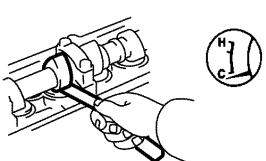


	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
	B	5.0 to 15.0 (0.197 to 0.590)	
	C	25 (0.984)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
	A	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)
	B	1.0 to 6.0 (0.0394 to 0.236)	
	C*1	128 (5.04)*2 128 (5.04)*4 136 (5.35)*3	127 (4.99)*2 136 (5.35)*3 136 (5.35)*4
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)	
		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	2.9 (3.1, 26)	2.2 (2.3, 1.9)
		API GL-4*7 API (GL-3) GL-4*8 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)
	A	API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90
		API GL-4 or GL-5 SAE 75W-90	API GL-4 or GL-5 SAE 90

<div></div> <div>liter (US qts, Imp. qts)</div>		<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>	
		<div>w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent</div> <div>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> 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°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6	
	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>	

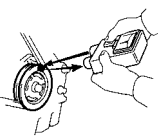


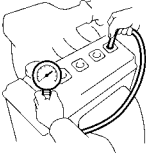



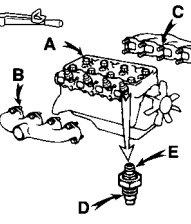
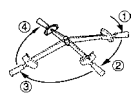
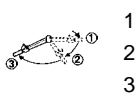
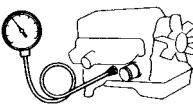





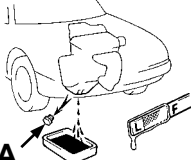



*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.

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

*7: for H150F *8: for H152F

		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

 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			46.6 (475, 34)	
	E			63.7 (650, 47)	
 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)		
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)	

	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)*2 128 (5.04)*4 136 (5.35)*3	127 (4.99)*2 136 (5.35)*3 136 (5.35)*4
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)
			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		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	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)			

			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)
2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)		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)	
		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
		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


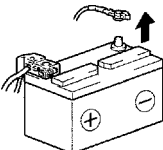
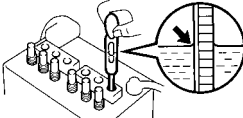

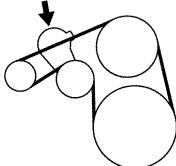
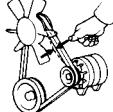


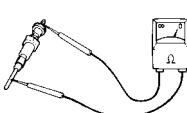
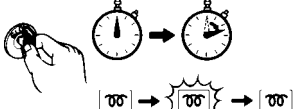
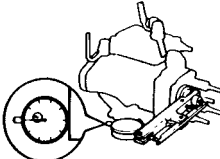
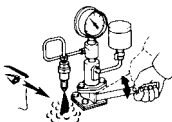
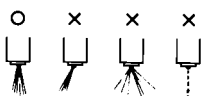
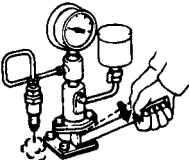

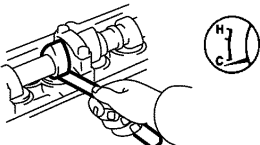


*7: for H150F *8: for H152F

LAND CRUISER

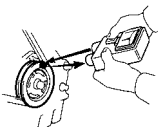


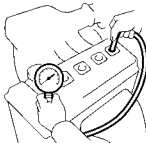



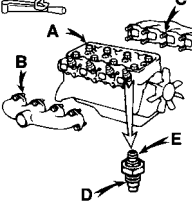
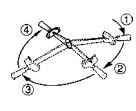

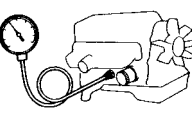





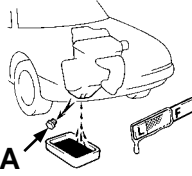



Diesel

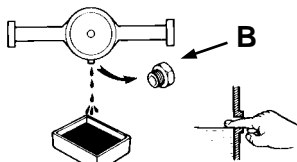
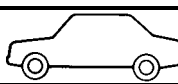

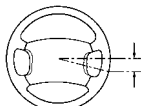


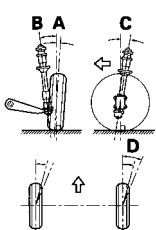
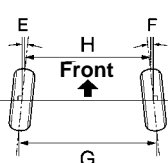

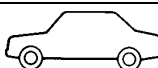

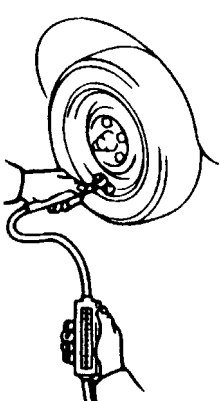
HZJ71, 76, 78, 79
VDJ76, 78, 79

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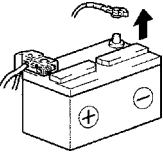
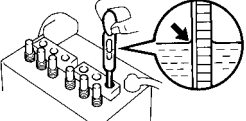

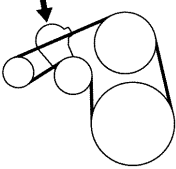
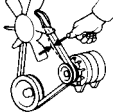



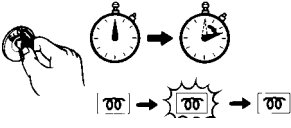
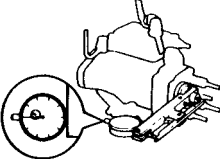
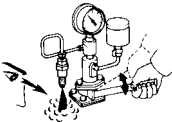
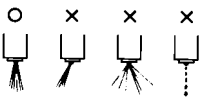
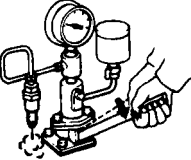

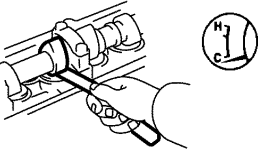


		VDJ	HZJ
			
 20°C (68°F)		1.25 to 1.29	
		1VD-FTV	1HZ
cm ³ (cu. in.)		4461 (272.2)	4164 (254.0)
			
 mm (in.) N (kgf)			8.0 to 11.0 (0.315 to 0.433) *245 to 343 (25 to 35)
			16.0 to 22.0 (0.630 to 0.866) *196 to 343 (20 to 35)
 20°C (68°F) Ω		Approximately 1.0*4	Approximately 1.0
0.7 or higher*3			
 35°C (95°F)*3 28°C (82°F)*4 sec.		0.7*3	1.0
1.0*4			
 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: w/ DPF *2: w/o DPF

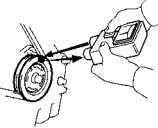


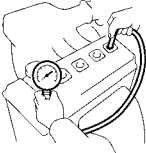





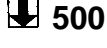

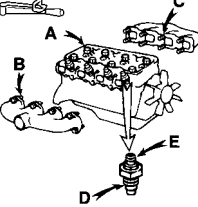
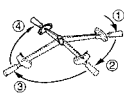
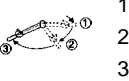
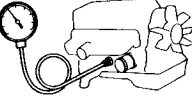

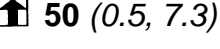
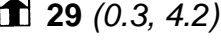


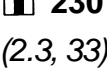

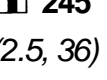

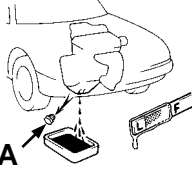


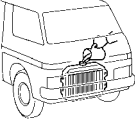
 rpm		500 to 600		600 to 700	
		4700 to 4900		4500 to 4700	
 kPa (kgf/cm ² , psi)		↑ 2700 (27.5, 392)		↑ 3628 (37.0, 526)	
		2200 (22.4, 319)		2648 (27.0, 384)	
		↓ 500 (5.1, 73)		↓ 490 (5.0, 71)	
 N*m (kgf*cm, ft.*lbf)	A	 1: 80 (816, 59) 2: 90° 3: 90° 4: 90°		 1: 68.6 (700, 51) 2: 90° 3: 90°	
	B	21 (214, 15)		19.6 (200, 14)	
	C	36 (367, 27)		41.7 (425, 31)	
	D	—————		46.6 (475, 34)	
	E	—————		63.7 (650, 47)	
 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)		0W-30 and 5W-30: ACEA C2 *1 5W-30,10W-30,15W-40 and 20W-50: API CF-4, CF or ACEA-B3, B4, B5 or JASO DL-0 *2		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)	

<div></div> <div>liter (US qts, Imp. qts)</div>		<div></div>	
		<div><div>2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)</div></div>	<div><div>w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06)</div><div>w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)</div></div>
		<div>w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent</div> <div>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°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6	
	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>	

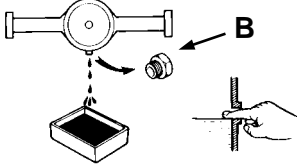


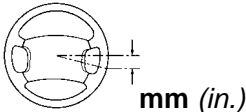


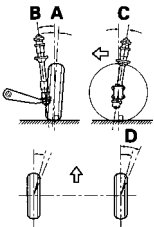
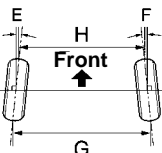

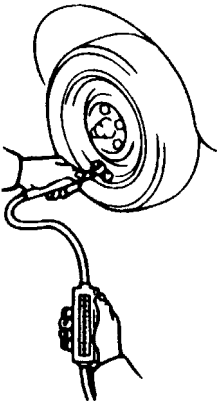
*1: When brake pedal is depressed with force of 300 N (31 kgf, 67 lbf) while engine is running.
*2: w/o ABS *3: w/o VSC *4: w/ VSC *5: except Super Long *6: for Super Long
*7: for H150F *8: for H152F

		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)		Approximately 1.0*4	Approximately 1.0
Ω		0.7 or higher*3	
 35°C (95°F)*3 28°C (82°F)*4 sec.		0.7*3	1.0
		1.0*4	
 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: w/ DPF *2: w/o DPF

 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		46.6 (475, 34)
	E		63.7 (650, 47)
 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)		0W-30 and 5W-30: ACEA C2 or JASO DL-1 *1 5W-30 and 10W-30: API CF-4, CF or ACEA-B3, B4, B5 or JASO DL-0 *2	5W-30 and 10W-30: API CF-4, CF or ACEA B3, B4, B5 or JASO DL-0
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)


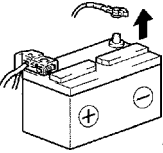
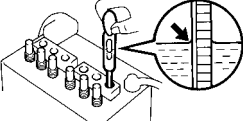

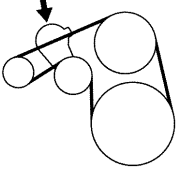
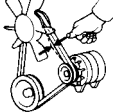



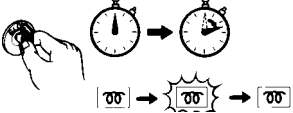
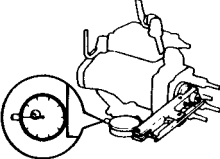
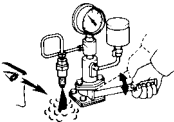
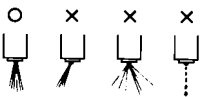
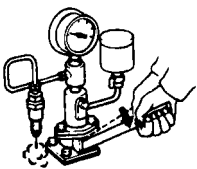

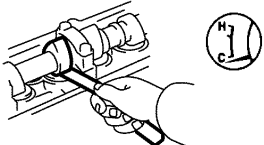


	A	179.2 to 189.2 (7.06 to 7.44)	185 to 195 (7.29 to 7.67)
	B	5.0 to 15.0 (0.197 to 0.590)	
	C	25 (0.984)	
mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3	
	A	177.9 to 187.9 (7.01 to 7.39)	175.9 to 185.9 (6.93 to 7.31)
	B	1.0 to 6.0 (0.0394 to 0.236)	
	C*1	128 (5.04)*2 128 (5.04)*4 136(5.35)*3	127 (4.99)*2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

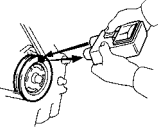


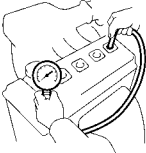



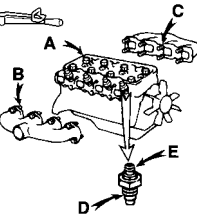
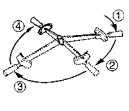

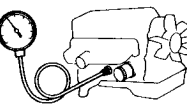





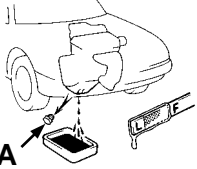



<div></div> <div>liter (US qts, Imp. qts)</div>		<div></div>	
		<div><div>2.8 to 2.9 (2.96 to 3.06, 2.47 to 2.55)</div><div>w/ Differential lock: 2.25 to 2.35 (2.38 to 2.48, 1.98 to 2.06) w/o Differential lock: 2.35 to 2.45 (2.49 to 2.58, 2.07 to 2.15)</div></div>	
		<div>w/o LSD: Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent</div> <div>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> 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°)*5 3° 35' +/-60' (3.58° +/-1.00°)*6	
	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></div>		Unladen vehicle	Fully laden vehicle
<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/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	
		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)

 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	_____		46.6 (475, 34)	
	E	_____		63.7 (650, 47)	
 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)		0W-30 and 5W-30: ACEA C2 or JASO DL-1 *1 5W-30 and 10W-30: API CF-4, CF or ACEA-B3, B4, B5 or JASO DL-0 *2		5W-30 and 10W-30: API CF-4, CF or ACEA B3, B4, B5 or JASO DL-0	
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: w/ DPF *2: w/o DPF *3: Initialization required. Refer to the repair manual for the initialization procedures.