

	<b>A</b>	1AZ-FE 162.9 to 172.9 (6.661 to 6.807) 2AZ-FE 173.9 to 183.9 (6.846 to 7.240)	1AZ-FE 195.5 to 205.5 (7.697 to 8.091) 2AZ-FE 207.4 to 217.4 (8.165 to 8.559)			
	<b>B</b>	1 to 5 (0.039 to 0.197)				
	<b>C</b>	↑25 (0.98)				
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3				
	<b>A</b>	184.2 to 194.2 (7.252 to 7.646)	161.3 to 171.3 (6.350 to 6.744)			
	<b>B</b>	1 to 6 (0.04 to 0.24)				
	<b>C*1</b>	1AZ-FE	2AZ-FE	1AZ-FE	2AZ-FE	
mm (in.)		w/ VSC	↑115 (4.53)	↑120 (4.72)	↑100 (3.94)	↑105 (4.13)
		w/o VSC	↑90 (3.54)	↑95 (3.74)	↑75 (2.95)	↑80 (3.15)
		SAE J1703 or FMVSS No. 116 DOT3				
	196 N (20 kgf, 44.1 lbf)	7 to 9				
	<b>A</b>	↑1.0 (0.039)				
	<b>B</b>	15-inch Disk	↑22.0 (0.866)	↑10.5 (0.413)		
		16-inch Disk	↑25.0 (0.984)			
mm (in.)						
	mm (in.)	↑1.0 (0.039)				
	mm (in.)	↓173.0 (6.811)				
		ACA				
	<b>A</b>	2WD	4WD			
		2.5 (2.6, 2.2)				
liter (US qts, Imp.qts)		API GL-4 SAE 75W				
	<b>B</b>	3.5 (3.7, 3.1)				
		"Toyota Genuine ATF WS"				
liter (US qts, Imp.qts)	<b>C</b>	0.45 (0.48, 0.40)				
		GL-5 SAE 80W-90				
liter (US qts, Imp.qts)	<b>D</b>	0.51 (0.52, 0.43)				
		API GL-5 SAE 90				
N·m (kgf·cm, ft·lbf)	<b>A</b>	49 (500, 36)				
	<b>B</b>	47 (479, 35)				
	<b>C</b>	39 (398, 29)				
	<b>D</b>	39 (398, 29)				

	N·m (kgf·cm, ft·lbf)	Φ26 216 (2,203, 159) Φ30 292 (2,978, 215)	216 (2,203, 159)	
			N·m (kgf·cm, ft·lbf)	103 (1,050, 77)
				ACA
		ACA		
	mm (in.)	↓30 (1.18)		
	<b>A</b>	Europe Only 215/70R16	-0°08'±45' (-0.13°±0.75°)	0°58'±45' (0.97°±0.75°)
		225/65R17 235/55R18	-0°11'±45' (-0.18°±0.75°)	1°07'±45' (1.12°±0.75°)
		Australia	-0°07'±45' (-0.12°±0.75°)	-0°52'±45' (0.87°±0.75°)
	<b>B</b>	Europe Only 215/70R16	11°16'±30' (11.27°±0.50°)	
		225/65R17 235/55R18	11°26'±30' (11.43°±0.50°)	
		Australia	11°14'±45' (11.23°±0.75°)	
	<b>C</b>	Europe Only 215/70R16	5°41'±45' (5.68°±0.75°)	
		225/65R17 235/55R18	5°47'±45' (5.78°±0.75°)	
		Australia	5°42'±45' (5.70°±0.75°)	
	<b>D</b>	Europe Only 215/70R16	38°55'±2' (38.9°±2°)	—
		225/65R17	38°44'±2' (38.7°±2°)	—
		235/55R18	35°50'±2' (35.8°±2°)	—
Australia		38°58'±2' (39.0°±2°)	—	
	<b>E+F</b>	0°05' ±10' (0.08°±0.16°)	0°11' ±10' (0.18°±0.17°)	
	<b>G-H</b> mm (in.)	1.0±2.0 (0.04±0.08)	2.3±1 (0.09±0.04)	
		ACA		
	kPa (kgf/cm <sup>2</sup> , psi)	ACA		
		220 (2.2, 32)		

\*1 When brake pedal is depressed with the force of 490N (50 kgf, 110 lbf) while the engine is running.

		<b>ACA</b>	
		<b>1.25 to 1.29</b>	
20°C (68°F)			
		<b>1AZ-FE</b>	<b>2AZ-FE</b>
		<b>1,998 (121.9)</b>	<b>2,362 (144.1)</b>
		—	—
		—	—
<b>mm (in.)</b>	<b>N (kgf)</b>		
	<b>DENSO</b>	<b>SK20R11</b>	
	<b>NGK</b>	<b>IFR6A11</b>	
	<b>A</b> mm (in.)	<b>1.1 (0.043)</b>	
	Using Intelligent Tester		
	<b>5 to 15°</b>		
<b>BTDC</b>	Do not using Intelligent Tester		
	<b>8 to 12°</b> (DLC3 Terminals 13 (TC) - 4 (CG) Connected)		
		<b>0.21 to 0.27</b> (0.0083 to 0.0106)	<b>0.21 to 0.27</b> (0.0083 to 0.0106)
		<b>0.30 to 0.40</b> (0.0118 to 0.0157)	<b>0.38 to 0.48</b> (0.0150 to 0.0189)
		 <b>M/T 650 to 750</b> <b>A/T 610 to 710</b>	<b>600 to 700</b>
<b>rpm</b>			

		<b>1,300</b> (13.8, 196)	
		<b>1,000</b> (10, 142)	
		<b>100</b> (1.0, 14)	
		<b>29</b> (0.3, 4.3)	
		<b>3,000 rpm</b>	
		<b>kPa</b> (kgf/cm <sup>2</sup> , psi)	
		<b>1AZ-FE</b>	<b>2AZ-FE</b>
		<b>3.6 (3.8, 3.2)</b>	<b>4.1 (4.3, 3.6)</b>
		<b>3.8 (4.0, 3.3)</b>	<b>4.3 (4.5, 3.8)</b>
	<b>liter (US qts, Imp. qts)</b>		
	<b>20W-50 and 15W-40</b> <b>API grade SL or SM</b> <b>multigrade engine oil</b> <b>10W-30 and 5W-30</b> <b>API grade SL</b> <b>"Energy-Conserving",</b> <b>SM "Energy-Conserving"</b> <b>or ILSAC<sup>*3</sup> multigrade</b> <b>engine oil</b>		
		<b>40 (408, 30)</b>	
	<b>N·m (kgf·cm, ft·lbf)</b>		
		<b>6.3 (6.7, 5.5)</b>	<b>6.6 (7.0, 5.9)</b>
		<b>6.4 (6.8, 5.6)</b>	<b>6.5 (6.9, 5.7)</b>
<b>liter (US qts, Imp. qts)</b>			

\*2 Initialization required. Refer to the repair manual for the initialization procedures.

\*3 ILSAC : International Lubricant Standardization and Approval Committee

	A	176.5 to 186.5 (6.949 to 7.343)	211.1 to 221.1 (8.311 to 8.705)
	B	1 to 5 (0.039 to 0.197)	
	C	↑25 (0.98)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
	A	184.2 to 194.2 (7.252 to 7.646)	161.3 to 171.3 (6.350 to 6.744)
	B	1 to 6 (0.04 to 0.24)	
	C*4	w/ VSC ↑110 (4.33) w/o VSC ↑75 (2.95)	w/ VSC ↑95 (3.74) w/o VSC ↑65 (2.56)
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
	196 N (20 kgf, 44.1 lbf)	7 to 9	
	A	↑1.0 (0.039)	
	B		↑10.5 (0.413)
mm (in.)		↑25.0 (0.984)	
	mm (in.)	↑1.0 (0.039)	
	mm (in.)	↓173.0 (6.811)	
		ALA	
	1 3 5 2 4 R	2.1 (2.2, 1.8)	
liter (US qts, Imp. qts)	A	API GL-5 SAE 75W	
	B	0.45 (0.48, 0.40)	
liter (US qts, Imp. qts)		GL-5 SAE 80W-90	
	C	0.51 (0.52, 0.43)	
liter (US qts, Imp. qts)		API GL-5 SAE 90	
	A	39 (398, 29)	
	B	39 (398, 29)	
N-m (kgf-cm, ft-lbf)	C	39 (398, 29)	

	Φ26 216 (2,203, 159) Φ30 292 (2,978, 215)	216 (2,203, 159)	
N-m (kgf-cm, ft-lbf)			
		103 (1,050, 77)	
N-m (kgf-cm, ft-lbf)			
		ALA	
	mm (in.)	↓30 (1.18)	
	Europe Only 215/70R16	-0°08'±45' (-0.13°±0.75°)	0°58'±45' (0.97°±0.75°)
A	225/65R17 235/55R18	-0°11'±45' (-0.18°±0.75°)	1°07'±45' (1.12°±0.75°)
	Australia	-0°07'±45' (-0.12°±0.75°)	-0°52'±45' (0.87°±0.75°)
	Europe Only 215/70R16	11°16'±30' (11.27°±0.50°)	
B	225/65R17 235/55R18	11°26'±30' (11.43°±0.50°)	
	Australia	11°14'±45' (11.23°±0.75°)	
	Europe Only 215/70R16	5°41'±45' (5.68°±0.75°)	
C	225/65R17 235/55R18	5°47'±45' (5.78°±0.75°)	
	Australia	5°42'±45' (5.70°±0.75°)	
	Europe Only 215/70R16	38°55'±2' (38.9°±2°)	—
D	225/65R17	38°44'±2' (38.7°±2°)	—
	235/55R18	35°50'±2' (35.8°±2°)	—
	Australia	38°58'±2' (39.0°±2°)	—
	E+F	0°05' ±10' (0.08°±0.16°)	0°11' ±10' (0.18°±0.17°)
	G-H mm (in.)	1.0±2.0 (0.04±0.08)	2.3±1 (0.09±0.04)
		ALA	
		220 (2.2, 32)	
kPa (kgf/cm <sup>2</sup> , psi)			

\*4 When brake pedal is depressed with the force of 490N (50 kgf, 110 lbf) while the engine is running.

		<b>ALA</b>	
		_____	
	20°C (68°F)	1.25 to 1.29	
		<b>2AD-FTV</b>	<b>2AD-FHV</b>
cm <sup>3</sup> or CC (cu. in.)		2,231 (136.1)	
		_____	_____
		_____	_____
mm (in.)	N (kgf)		
	20°C (68°F)  Ω	<b>0.96</b>	<b>0.95</b>
	20°C (68°F)  secs	<b>Please refer to the Repair Manual Pub. No. RM01N0E (Service Specification)</b>	
		_____	_____
		_____	_____
mm (in.)			
		750 to 850	
		5,100 to 5,250	
		rpm	

		<b>2,700 (27.5, 391)</b>	
		<b>2,200 (22.5, 320)</b>	
		<b>500 (5.0, 71)</b>	
		<b>29 (0.3, 4.2)</b>	
		<b>4,500 rpm</b>	<b>245 (2.5, 36)</b>
		<b>2AD-FTV</b>	<b>2AD-FHV</b>
		<b>5.5 (5.8, 4.8)</b>	
		<b>5.9 (6.2, 5.2)</b>	
		<b>G-DLD-1 or API grade CF-4, CF (API CE or API CD may also -used)</b>	
		<b>38 (387, 28)</b>	
		<b>7.7 (8.1, 6.8)</b>	
		<b>7.3 (7.7, 6.4)</b>	
		liter (US qts, Imp.qts)	
		N·m (kgf·cm, ft·lbf)	
		With Power Heater	
		Without Power Heater	
		liter (US qts, Imp.qts)	

\*5 Initialization required. Refer to the repair manual for the initialization procedures.  
**TOYOTA MOTOR CORPORATION** Overseas Customer Service Technical Division