
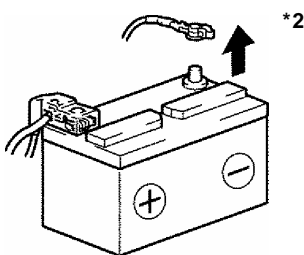
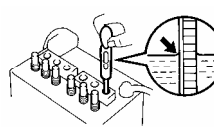

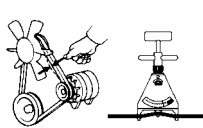
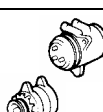

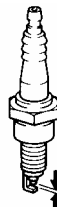
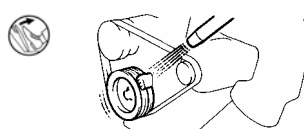
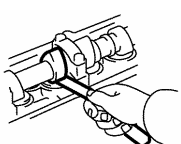
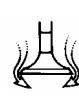


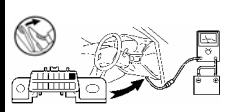


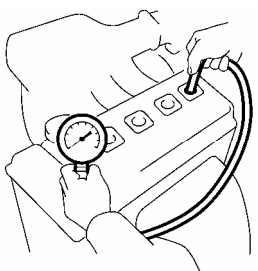


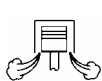

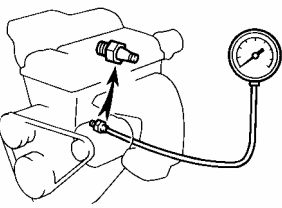




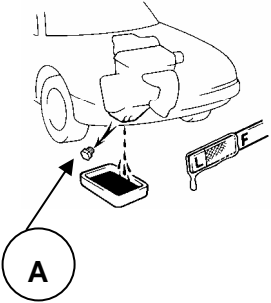



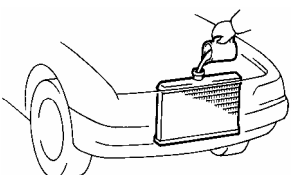



	A	1AZ-FE 162.9 to 172.9 (6.661 to 6.807) 2AZ-FE 173.9 to 183.9 (6.846 to 7.240)		1AZ-FE 195.5 to 205.5 (7.697 to 8.091) 2AZ-FE 207.4 to 217.4 (8.165 to 8.559)	
	B	1 to 5 (0.039 to 0.197)			
	C	↑25 (0.98)			
		SAE J1703 or FMVSS No. 116 DOT3			
mm (in.)					
	A	184.2 to 194.2 (7.252 to 7.646)		161.3 to 171.3 (6.350 to 6.744)	
	B	1 to 6 (0.04 to 0.24)			
	C* <sup>1</sup>	1AZ-FE	2AZ-FE	1AZ-FE	2AZ-FE
		w/ VSC	↑115 (4.53)	↑120 (4.72)	↑100 (3.94)
		w/o VSC	↑90 (3.54)	↑95 (3.74)	↑75 (2.95)
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				
		15-inch Disk	↑22.0 (0.866)	↑10.5 (0.413)	
mm (in.)		16-inch Disk	↑25.0 (0.984)		
		↑1.0 (0.039)			
		↓173.0 (6.811)			
		ACA			
	A	1 3 5	2WD	4WD	
		2 4 R	2.5 (2.6, 2.2)		
liter (US qts, Imp.qts)		API GL-4 SAE 75W			
	B	3.5 (3.7, 3.1)			
		"Toyota Genuine ATF WS"			
	C	0.45 (0.48, 0.40)			
		GL-5 SAE 80W-90			
liter (US qts, Imp.qts)	D	0.51 (0.52, 0.43)			
		API GL-5 SAE 90			
N·m (kgf·cm, ft·lbf)	A	49 (500, 36)			
	B	47 (479, 35)			
	C	39 (398, 29)			
	D	39 (398, 29)			

 <b>N·m</b> (kgf·cm, ft·lbf)		<b>Φ26</b> <b>216</b> (2,203, 159) <b>Φ30</b> <b>292</b> (2,978, 215)	<b>216</b> (2,203, 159)	
 <b>N·m</b> (kgf·cm, ft·lbf)		<b>103</b> (1,050, 77)		
		<b>ACA</b>		
 <b>mm (in.)</b>		<b>30</b> (1.18)		
	<b>A</b>	Europe Only 215/70R16	<b>-0°08'±45'</b> (-0.13°±0.75°)	
		225/65R17 235/55R18	<b>-0°11'±45'</b> (-0.18°±0.75°)	
		Australia	<b>-0°07'±45'</b> (-0.12°±0.75°)	
	<b>B</b>	Europe Only 215/70R16	<b>5.41°±45'</b> (5.68°±0.75°)	
		225/65R17 235/55R18	<b>5.47°±45'</b> (5.78°±0.75°)	
		Australia	<b>5.42°±45'</b> (5.70°±0.75°)	
	<b>C</b>	Europe Only 215/70R16	<b>11°16'±30'</b> (11.27°±0.50°)	
		225/65R17 235/55R18	<b>11°26'±30'</b> (11.44°±0.50°)	
		Australia	<b>11°14'±30'</b> (11.23°±0.50°)	
	<b>D</b>	Europe Only 215/70R16	<b>38°55'±2'</b> (38.9°±2°)	<b>-0°58'±45'</b> (0.97°±0.75°) <b>45'</b> (0.75°) or less
		225/65R17	<b>38°44'±2'</b> (38.7°±2°)	<b>-1°07'±45'</b> (1.12°±0.75°) <b>45'</b> (0.75°) or less
		235/55R18	<b>35°50'±2'</b> (35.8°±2°)	<b>-1°07'±45'</b> (1.12°±0.75°) <b>45'</b> (0.75°) or less
Australia		<b>38°58'±2'</b> (39.0°±2°)	<b>-0°52'±45'</b> (0.87°±0.75°) <b>45'</b> (0.75°) or less	
	<b>E+F</b>	<b>0°05' ±10'</b> (0.08°±0.16°)	<b>0°11' ±10'</b> (0.18°±0.16°)	
	<b>G-H</b> <b>mm (in.)</b>	<b>1.00±2</b> (0.04±0.08)	<b>2.3±1</b> (0.09±0.04)	
		<b>ACA</b>		
 <b>kPa (kgf/cm<sup>2</sup>, psi)</b>		<b>220</b> (2.2, 32)		

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

		ACA	
			
  20 °C (68 °F)		1.25 to 1.29	
 cm <sup>3</sup> or CC (cu. in.)		1AZ-FE	2AZ-FE
		1,998 (121.9)	2,362 (144.1)
 mm (in.) N (kgf)		_____	_____
		_____	_____
	DENSO	SK20R11	
	NGK	IFR6A11	
	A mm (in.)	1.1 (0.043)	
 BTDC		Using Intelligent Tester  5 to 15°  Do not using Intelligent Tester 8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected)	
 mm (in.)		0.21 to 0.27 (0.0083 to 0.0106)	0.21 to 0.27 (0.0083 to 0.0106)
		 0.30 to 0.40 (0.0118 to 0.0157)	0.38 to 0.48 (0.0150 to 0.0189)
 (DLC3 Terminal 9 (TAC) Connected)	1 3 5 2 4 R	 M/T 650 to 750 A/T 610 to 710	600 to 700
			
rpm			

   kPa (kgf/cm <sup>2</sup> , psi)		1,300 (13.8, 196)	
		1,000 (10, 142)	
		100 (1.0, 14)	
  kPa (kgf/cm <sup>2</sup> , psi)		29 (0.3, 4.3)	
	3,000 rpm		
		245 to 539 (2.5 to 5.5, 36 to 78)	160 to 539 (1.6 to 5.5, 23 to 78)
		1AZ-FE	2AZ-FE
 A		3.6 (3.8, 3.2)	4.1 (4.3, 3.6)
		3.8 (4.0, 3.3)	4.3 (4.5, 3.8)
		20W-50 and 15W-40 API grade SL or SM multigrade engine oil 10W-30 and 5W-30 API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC <sup>*3</sup> multigrade engine oil	
liter (US qts, Imp.qts)			
			40 (408, 30)
N·m (kgf·cm, ft·lbf)			
	1 3 5 2 4 R	6.3 (6.7, 5.5)	6.6 (7.0, 5.9)
		6.4 (6.8, 5.6)	6.5 (6.9, 5.7)
liter (US qts, Imp.qts)			


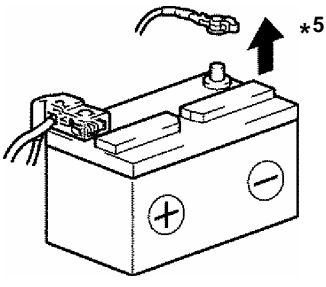
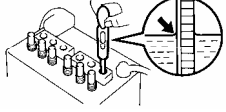

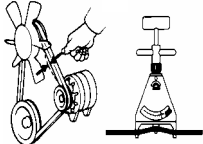


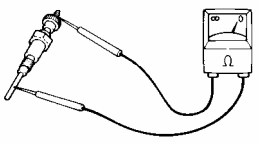
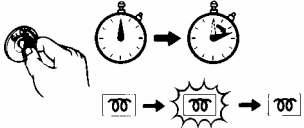
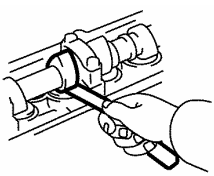


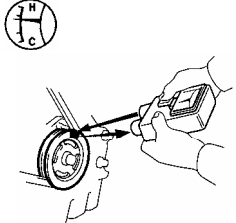


\*2 Initialization required. Refer to the repair manual for the initialization procedures.  
\*3 ILSAC : International Lubricant Standardization and Approval Committee  
TOYOTA MOTOR CORPORATION Overseas Customer Service Technical Division

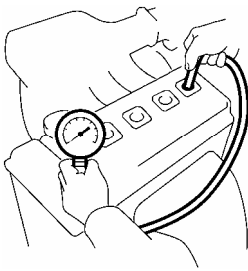

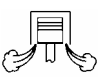

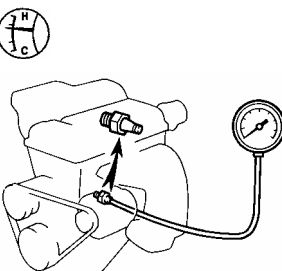



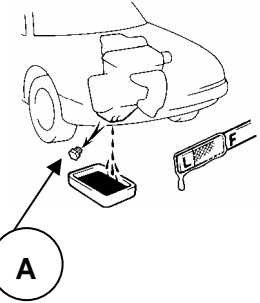
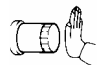

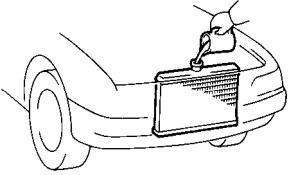


	A	176.5 to 186.5 (6.949 to 7.343)	211.1 to 221.1 (8.311 to 8.705)
	B	1 to 5 (0.039 to 0.197)	
	C	↑25 (0.98)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
	A	184.2 to 194.2 (7.252 to 7.646)	161.3 to 171.3 (6.350 to 6.744)
	B	1 to 6 (0.04 to 0.24)	
	C*4	w/ VSC ↑110 (4.33) w/o VSC ↑75 (2.95)	w/ VSC ↑95 (3.74)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

	A	Φ26 216 (2,203, 159) Φ30 292 (2,978, 215)
	B	216 (2,203, 159)
	C	103 (1,050, 77)
		ALA
		↓30 (1.18)
		ALA
	A	Europe Only 215/70R16 -0°08'±45' (-0.13°±0.75°)
	A	225/65R17 235/55R18 -0°11'±45' (-0.18°±0.75°)
	A	Australia -0°07'±45' (-0.12°±0.75°)
	B	Europe Only 215/70R16 5.41°±45' (5.68°±0.75°)
	B	225/65R17 235/55R18 5.51°±45' (5.85°±0.75°)
	B	Australia 5.42°±45' (5.70°±0.75°)
	C	Europe Only 215/70R16 11°16'±30' (11.27°±0.50°)
	C	225/65R17 235/55R18 11°26'±30' (11.43°±0.50°)
	C	Australia 11°14'±30' (11.23°±0.50°)
	D	Europe Only 215/70R16 38°55'±2' (38.9°±2°) -0°58'±45' (0.97°±0.75°) 45' (0.75°) or less
	D	225/65R17 38°44'±2' (38.7°±2°) -1°07'±45' (1.12°±0.75°) 45' (0.75°) or less
	D	235/55R18 35°50'±2' (35.8°±2°) -1°07'±45' (1.12°±0.75°) 45' (0.75°) or less
	D	Australia 38°58'±2' (39.0°±2°) -0°52'±45' (0.87°±0.75°) 45' (0.75°) or less
	E+F	0°05' ±10' (0.08°±0.16°)
	G-H	1.00±2 (0.04±0.08)
		ALA
		220 (2.2, 32)
		kPa (kgf/cm², psi)

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

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

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

\*5 Initialization required. Refer to the repair manual for the initialization procedures.  
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