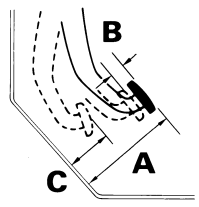
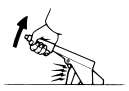
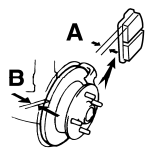
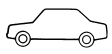
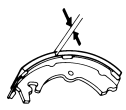
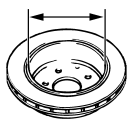
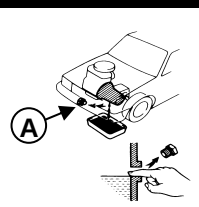
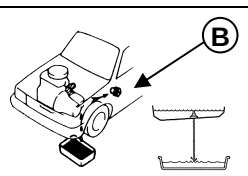
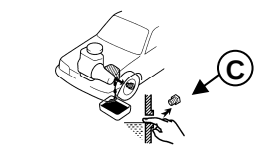
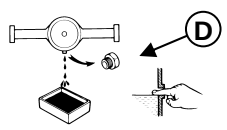
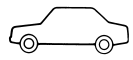
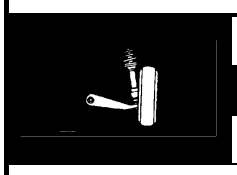
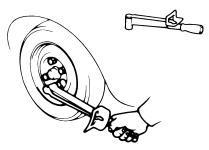
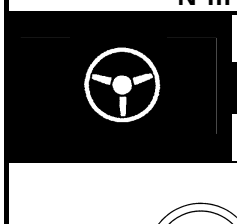
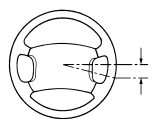
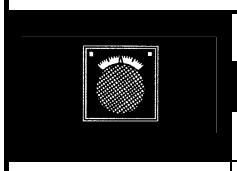
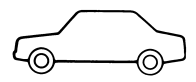
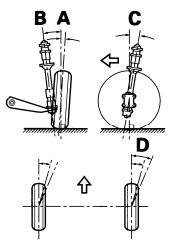
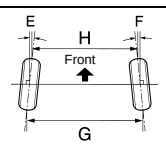
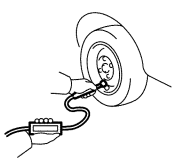
 **mm** *(in.)*	**A**	**162.9 to 172.9** *(6.41 to 6.81)**2, *5 **175.7 to 185.7** *(6.92 to 7.31)**3	**195.5 to 205.5** *(7.70 to 8.09)**2, *5 **210.2 to 220.2** *(8.28 to 8.67)**3
	B	**5 to 15** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		**SAE J1703 or FMVSS No. 116 DOT 3**	
			
 **mm** *(in.)*	**A**	**184.2 to 194.2** *(7.252 to 7.646)*	**168.6 to 178.6** *(6.638 to 7.031)*
	B	**1 to 6** *(0.039 to 0.236)*	
	C*1	⬆ **75** *(2.95)**5, *6 ⬆ **90** *(3.54)**2, *6 ⬆ **95** *(3.74)**3, *6 ⬆ **110** *(4.33)**5, *7 ⬆ **115** *(4.53)**2, *7 ⬆ **120** *(4.72)**3, *7	⬆ **70** *(2.76)**5, *6 ⬆ **80** *(3.15)**2, *6 ⬆ **85** *(3.34)**3, *6 ⬆ **100** *(3.94)**5, *7 ⬆ **105** *(4.13)**2, *7 ⬆ **110** *(4.32)**3, *4, *7
		**SAE J1703 or FMVSS No. 116 DOT 3**	
 **196 N** *(20 kgf, 44.1 lbf)*		**6 to 8**	
 **mm** *(in.)*			
	A	⬆ **1.0** *(0.039)*	
	B	⬆ **22.0** *(0.866)**8 ⬆ **25.0** *(0.984)**9	⬆ **10.5** *(0.413)*
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
 **mm** *(in.)*		⬇ **173.0** *(6.81)*	
		ACA	**GSA**	**ZSA**
 **Liter** *(US qts, Imp. qts)* **N*m** *(kgf*cm, ft.*lbf)*	1 3 5 2 4 R	**2.5** *(2.6, 2.2)*	**-**	**2.4** *(2.5, 2.1)*
		API GL-4 **SAE 75W**		
	Ⓐ	**49** *(500, 36)*	**-**	**39** *(400, 29)*
 **Liter** *(US qts, Imp. qts)* **N*m** *(kgf*cm, ft.*lbf)*		*10		*11
		AT: Toyota Genuine ATF WS **CVT: Toyota Genuine CVT Fluid TC**		
	Ⓑ	***47*** *(479, 35)*		**40** *(408, 30)*
 **Liter** *(US qts, Imp. qts)* **N*m** *(kgf*cm, ft.*lbf)*		**0.45** *(0.48, 0.40)*		
		API GL-5 SAE 85W-90		
	Ⓒ	**39** *(398, 28)*		

 **Liter** *(US qts, Imp. qts)*			
		-	**0.45 to 0.55** *(0.48 to 0.58, 0.40 to 0.48)*
		-	**Hypoid gear oil SX** **API GL-5 SAE 85W-90**
N*m *(kgf*cm, ft.*lbf)*	Ⓓ	-	**39** *(398, 29)*
		**ACA, GSA, ZSA**	
 **N*m** *(kgf*cm, ft.*lbf)*		**103** *(1050, 76)*	
		**ACA, GSA, ZSA**	
 **mm** *(in.)*		⬇ **30** *(1.18)*	
			
	**A**	**215/70R16 *12**	**-0°08' +/-45'** *(-0.13° +/-0.75°)*	**-0°58' +/-45'** *(-0.97° +/-0.75°)* **45'** *(0.75°)* **or less**
		225/65R17 235/55R18	**-0°11' +/-45'** *(-0.18 +/-0.75°)*	**-1°07' +/-45'** *(-1.12° +/-0.75°)* **45'** *(0.75°)* **or less**
		Australia	**-0°07' +/-45'** *(-0.12° +/-0.75°)*	**-0°52' +/-45'** *(-0.87° +/-0.75°)* **45'** *(0.75°)* **or less**
	B	**215/70R16 *12**	**11°16' +/-45'** *(11.27° +/-0.75°)*	-
		225/65R17 235/55R18	**11°26' +/-45'** *(11.44° +/-0.75°)*	
		Australia	**11°14' +/-45'** *(11.23° +/-0.75°)*	
	C	**215/70R16 *12**	**5°46' +/-45'** *(5.77° +/-0.75°)*	
		225/65R17 235/55R18	**5°51' +/-45'** *(5.85° +/-0.75°)*12* **5°50' +/-45'** *(5.83° +/-0.75°)*13*	
		Australia	**5°42' +/-45'** *(5.70° +/-0.75°)*	
	D	**215/70R16 *12**	**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°)*	
	**E+F**		**0°05' +/-10'** *(0.08° +/-0.16°)*	**0°11' +/-10'** *(0.18° +/-0.17°)*
	G-H **mm** *(in.)*		**1.0 +/-2** *(0.04 +/-0.08)*	**2.3 +/-1** *(0.09+/-0.04)*
		**ACA, GSA, ZSA**		
 **kPa** *(kgf/cm², psi)*	**215/70R16 99H** **225/65R17 101H** **235/55R18 99H**	**220** *(2.2, 32)*		
	for Eco Package 225/65R17 101H	**230** *(2.3, 33)*		

*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2: 1AZ-FE *3: 2AZ-FE *4: 2GR-FE
*5: 3ZR-FAE *6: without VSC *7: with VSC *8: 10.83 inch disc *9: 11.70 inch disc
*10: Please refer to Repair Manual (Preparation / Automatic Transaxle)
*11: Please refer to Repair Manual (CVT / Continuously Variable Transaxle Fluid) *12: Europe Only *13: Other

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ACA30, 33, 38
GSA33, ZSA30, 35

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		ACA, GSA, ZSA			
		-			
20°C *(68°F)*		**1.25 to 1.29**			
		1AZ-FE	**2AZ-FE**	**2GR-FE**	**3ZR-FAE**
	CC *(cu. in.)*	**1998** *(121.9)*	**2362** *(144.1)*	**3456** *(210.9)*	**1986** *(121.2)*
*	**New Belt**	-			**7.0 to 8.2** *(0.276 to 0.323)* **700 to 800** *(70 to 80, 157.4 to 179.8)**
	Used Belt				**7.6 to 10.0** *(0.299 to 0.394)* **550 to 750** *(55 to 75, 123.6 to 168.6)**
mm *(in.)* N *(kgf, lbf)*					
	DENSO	**SK20R11**		**FK20HR 11**	**SC20H R11**
A	**NGK**	**IFR6A11**		-	
	A mm *(in.)*	**1.0 to 1.1** *(0.0394 to 0.0433)*			
BTDC		**8 to 12°** [DLC3 terminals 13 (TC) – 4 (CG) connected]			
		0.21 to 0.27 *(0.0083 to 0.0106)*		-	
mm *(in.)*		**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] rpm	1 3 5 / 2 4 R	**650 to 750**	**600 to 700**	-	**580 to 680**
		610 to 710		**600 to 700**	

kPa *(kgf/cm², psi)*		**1300** *(13.3, 189)*	**1400** *(14.0, 199)*	**1373** *(14.0, 199)*
		1000 *(10.0, 145)*	**980** *(10.0, 142)*	**1079** *(11.0, 156)*
		100 *(1.0, 15)*		**98** *(1.0, 14.2)*
		29 *(0.3, 4.3)*	**80** *(0.8, 11.6)*	**25** *(0.3, 3.6)*
kPa *(kgf/cm², psi)*	**3000 rpm**	**245 to 539** *(2.5 to 5.5, 36 to 78)*	**160 to 539** *(1.6 to 5.5, 23 to 78)*	-	**150 to 400** *(1.5 to 4.1, 22 to 58)*
	6000 rpm	-		**380** *(3.9, 55.5)*	-
		1AZ-FE	**2AZ-FE**	**2GR-FE**	**3ZR-FAE**
		4.0 *(4.2, 3.5)*	**4.1** *(4.3, 3.6)*	**5.7** *(6.0, 5.0)*	**3.9** *(4.1, 3.4)*
A		**4.2** *(4.4, 3.7)*	**4.3** *(4.5, 3.8)*	**6.1** *(6.4, 5.4)*	**4.2** *(4.4, 3.7)*
Liter *(US qts, Imp. qts)*		**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*1 multigrade engine oil**			**20W-50 and 15W-40: API grade SL or SM multigrade engine oil** **10W-30, 5W-30, 5W-20 and 0W-20: API grade SL "Energy-Conserving", SM "Energy-Conserving", or ILSAC*1 multigrade engine oil**
N*m *(kgf*cm, ft.*lbf)*	A	**40** *(408, 30)*			**37** *(377, 27)*
Liter *(US qts, Imp. qts)*	1 3 5 / 2 4 R	**6.3** *(6.7, 5.5)*	**6.6** *(7.0, 5.9)*	-	**5.8** *(6.1, 5.1)*
	P R N D 2 L	**6.4** *(6.8, 5.6)*	**6.5** *(6.9, 5.7)*	**9.3** *(9.8, 8.2)*	**6.0** *(6.3, 5.3)*

*1 ILSAC: International Lubricant Standardization and Approval Committee

TOYOTA MOTOR CORPORATION Technical Service Division