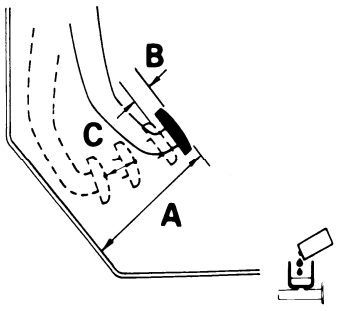
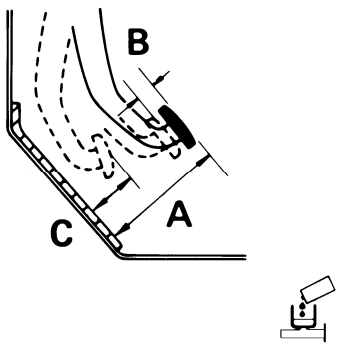
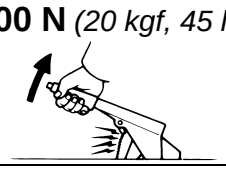
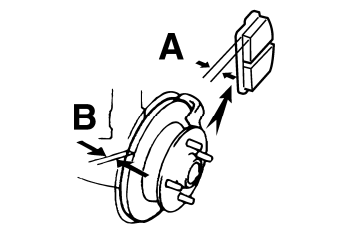
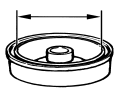
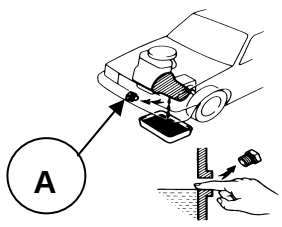
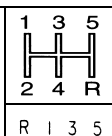
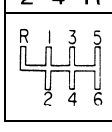
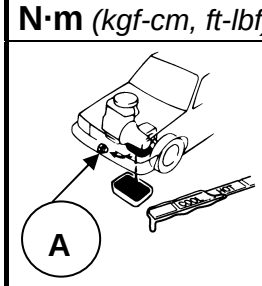
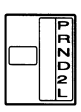
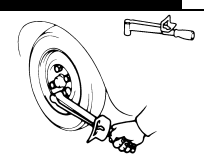
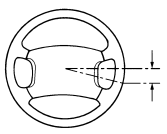
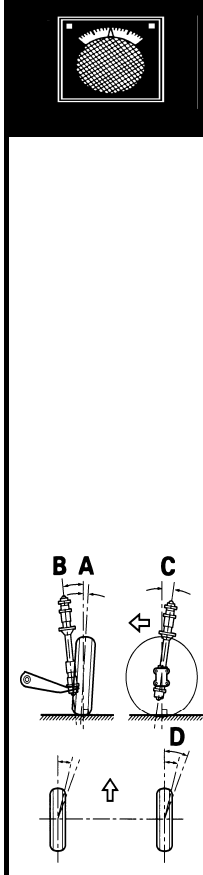
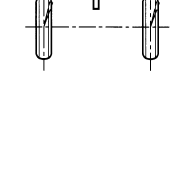
 mm *(in.)*	A	**157.7 to 167.7** *(6.209 to 6.602)*	**168.5 to 178.5** *(6.634 to 7.028)*
	B	**5.0 to 15.0** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		SAE J1703 or FMVSS No. 116 DOT3	
 mm *(in.)*	A	**141.4 to 151.4** *(5.57 to 5.96)*	**146.1 to 156.1** *(5.75 to 6.15)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C*3	⬆ **85** *(3.35)**1 ⬆ **81** *(3.19)**2	⬆ **87** *(3.43)**1 ⬆ **83** *(3.27)**2
		SAE J1703 or FMVSS No. 116 DOT3	
200 N *(20 kgf, 45 lbf)* 		**6 to 9**	
 mm *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **19.0** *(0.748)**4*6 ⬆ **23.0** *(0.906)**5	⬆ **7.5** *(0.295)**4*6 ⬆ **8.0** *(0.315)**5
 mm *(in.)*		⬆ **1.0** *(0.0394)*	
 mm *(in.)*		⬇ **229.6** *(9.04)*	

		NZE	ZZE	ZRE
 liters *(US qts, lmp.qts)*		-	**1.9** *(2.0, 1.7)*	-
		-	-	**2.4** *(2.5, 2.1)*
		-	**API GL-4 or 5 SAE 75W-90**	**API GL-4 SAE 75W**
N·m *(kgf-cm, ft-lbf)*	**A**	-	**39** *(400, 29)*	**45** *(459, 33)*
 liters *(US qts, lmp.qts)*		**2.9** *(3.1, 2.6)*		**2.9** *(3.1, 2.6)* *10 **3.5** *(3.7, 3.1)* *11
		Toyota Genuine ATF WS		
N·m *(kgf-cm, ft-lbf)*	**A**	**49** *(500, 36)*		**49** *(500, 36)* *10 **47** *(479, 35)* *11

			NZE, ZZE, ZRE	
 N·m *(kgf-cm, ft-lbf)*			**103** *(1050, 76)*	
			NZE, ZZE, ZRE	
 mm *(in.)*			⬇ **30** *(1.18)*	
				
	A	*4	**-0°35' +/- 45'** *(-0.58° +/- 0.75°)**7 **-0°26' +/- 45'** *(-0.43° +/- 0.75°)**8 **-0°23' +/- 45'** *(-0.38° +/- 0.75°)**9	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)**7 **-1°26' +/- 30'** *(-1.43° +/- 0.5°)**8 **-1°25' +/- 30'** *(-1.42° +/- 0.5°)**9
		*5	**-0°36' +/- 45'** *(-0.60° +/- 0.75°)**7 **-0°26' +/- 45'** *(-0.43° +/- 0.75°)**8	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)**7 **-1°26' +/- 30'** *(-1.43° +/- 0.5°)**8
		*6	**-0°35' +/- 45'** *(-0.58° +/- 0.75°)*	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)*
	B	*4	**12°33'** *(12.55°)**7 **12°13'** *(12.22°)**8 **12°05'** *(12.08°)**9	-
		*5	**12°35'** *(12.58°)**7 **12°13'** *(12.22°)**8	
		*6	**12°33'** *(12.55°)*	
	C	*4	**2°48' +/- 45'** *(2.80° +/- 0.75°)**7 **2°41' +/- 45'** *(2.68° +/- 0.75°)**8 **2°38' +/- 45'** *(2.63° +/- 0.75°)**9	-
		*5	**2°54' +/- 45'** *(2.90° +/- 0.75°)**7 **2°42' +/- 45'** *(2.70° +/- 0.75°)**8	
		*6	**2°48' +/- 45'***(2.80° +/- 0.75°)*	
	D	*4	**38°11' +/- 2°** *(38.18° +/- 2°)**7 **38°30' +/- 2°** *(38.50° +/- 2°)**8 **38°37' +/- 2°** *(38.62° +/- 2°)**9	-
		*5	195/65R15: **38°09' +/- 2°** *(38.15° +/- 2°)* *7 **38°29' +/- 2°** *(38.48° +/- 2°)* *8	
			205/55R16: **38°10' +/- 2°** *(38.17° +/- 2°)**7 **38°31' +/- 2°** *(38.52° +/- 2°)* *8	
		*6	**38°11' +/- 2°** *(38.18° +/- 2°)*	
	**E+F**	*4	**0°00' +/- 0°12'** *(0° +/- 0.2°)*	**0°16' +/- 15'** *(0.27° +/- 0.25°)**7 **0°12' +/- 17'** *(0.20° +/- 0.28°)**8 **0°10' +/- 17'** *(0.17° +/- 0.28°)**9
		*5		**0°16' +/- 16'** *(0.27° +/- 0.27°)**7 **0°12' +/- 17'** *(0.20° +/- 0.28°)**8
		*6		**0°16' +/- 16'** *(0.27° +/- 0.27°)*
	G-H mm *(in.)*	*4	**0 +/- 2.0** *(0 +/- 0.08)*	**2.7 +/- 2.5** *(0.11 +/- 0.098)**7 **2.0 +/- 2.8** *(0.079 +/- 0.11)**8 **1.7 +/- 2.8** *(0.067 +/- 0.11)**9
		*5		**2.7 +/- 2.7** *(0.11 +/- 0.11)**7 **2.0 +/- 2.8** *(0.079 +/- 0.11)**8
		*6		**2.8 +/- 2.7** *(0.11 +/- 0.11)*

*1: w/o ABS *2: w/ ABS *3: When the brake pedal is depressed with the force of 294 N (30 kgf, 66 lbf) while the engine is running. *4: for TMC Made *5: for TDB, TDV Made
*6: for Kuozui Made *7: Normal *8: Rough Road Package +15 mm (+0.591 in.) *9: Rough Road Package +20 mm (+0.787 in.) *10: 1ZR-FE, 2ZR-FE *11: 3ZR-FBE

COROLLA

NZE141
ZZE141, 142
ZRE141, 142, 143

2011/03 – 2012/07

kPa *(kgf/cm², psi)*	195/65R15 91H 205/55R16 91V	**210** *(2.1, 30)*	**210** *(2.1, 30)*

	NZE, ZZE, ZRE
20°C *(68°F)*	**1.25 to 1.29**

	1NZ-FE	1ZZ-FE	2ZR-FBE	3ZR-FBE	1ZR-FE	2ZR-FE
cm³ or cc *(cu. in.)*	**1496** *(91.3)*	**1794** *(109.5)*	**1798** *(109.7)*	**1986** *(121.2)*	**1598** *(97.5)*	**1798** *(109.7)*
98 N *(10 kgf, 22.0 lbf)* **mm** *(in.)*	**12.5 to 13.5** *(0.49 to 0.53)* ※**300 to 400** *(31 to 41, 67 to 90)*	**-**	**7.6 to 10.0** *(0.300 to 0.393)* ※**550 to 750** *(57 to 76, 123.7 to 168.6)*			

	DENSO	**SK16R11** *1 **K16R-U** *2	**K16R-U11**	**FC22HR9-G**	**FC22HR9** **FC22HR9-G**	**SC20HR11**
	NGK	**IFR5A11** *1 **BKR5EYA** *2	**BKR5EYA-11**	**-**	**-**	**-**
A **mm** *(in.)*		**1.0 to 1.1** *(0.0394 to 0.0433)**1 **0.7 to 0.8** *(0.0276 to 0.0315)**2	**1.0 to 1.1** *(0.0394 to 0.0433)*	**0.8 to 0.9** *(0.0315 to 0.0354)*	**1.0 to 1.1** *(0.0394 to 0.0433)*	

BTDC	**8 to 12°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)

mm *(in.)*		**0.15 to 0.25** *(0.006 to 0.010)*	**0.15 to 0.25** *(0.0059 to 0.0098)*	**-**
		0.25 to 0.35 *(0.010 to 0.014)*	**0.25 to 0.35** *(0.0098 to 0.0138)*	**-**

rpm	**550 to 650**	**650 to 750**	**600 to 700**	**625 to 725**	**600 to 700**

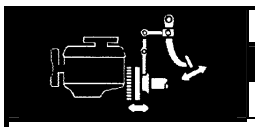
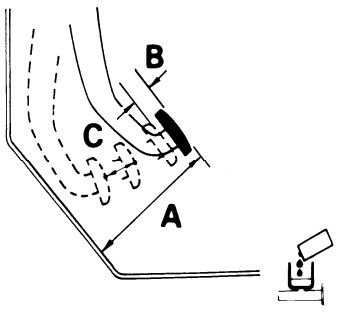
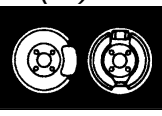
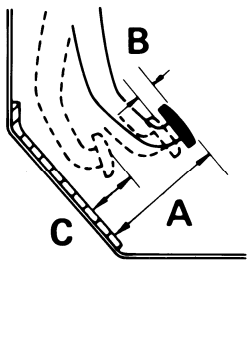
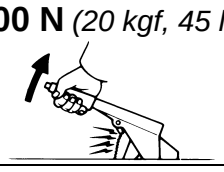
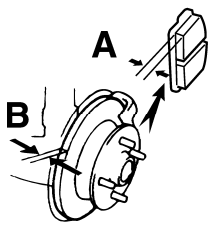
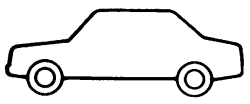
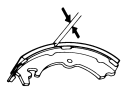
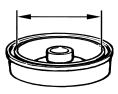
kPa *(kgf/cm², psi)*	**980** *(10.0, 142)*	**1300** *(13.3, 189)*	**1373** *(14.0, 199)*	**1590** *(16.2, 231)*	**1373** *(14.0, 199)*
	↑ **784** *(8.0, 14)*	↑ **1000** *(10.2, 145)*	↑ **1079** *(11.0, 157)*	↑ **1225** *(12.5, 178)*	↑ **1079** *(11.0, 157)*
	↓ **98** *(1.0, 14)*	↓ **100** *(1.0, 15)*	↓ **98** *(1.0, 14.2)*	↓ **100** *(1.0, 15)*	↓ **98** *(1.0, 14.2)*

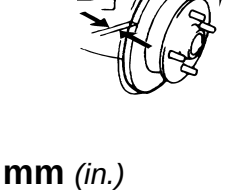
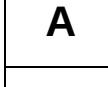
kPa *(kgf/cm², psi)*	↑ **29** *(0.3, 4.3)*		↑ **25** *(0.3, 3.6)*		
3000 rpm	**150 to 550** *(1.5 to 5.6, 22 to 80)*	**294 to 539** *(3.0 to 5.5, 43 to 78)*	**150 to 400** *(1.5 to 4.1, 22 to 58)*		

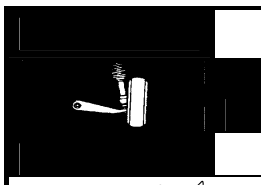
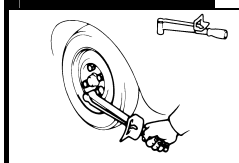
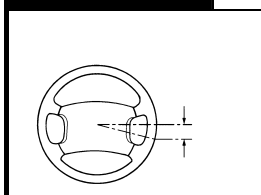
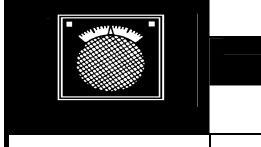
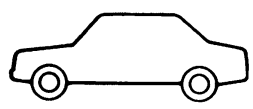
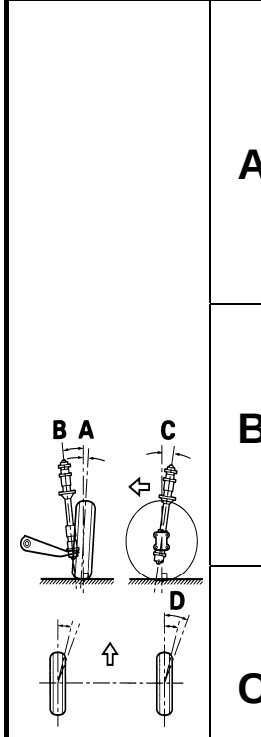
	1NZ-FE	1ZZ-FE	2ZR-FBE	3ZR-FBE	1ZR-FE	2ZR-FE
liters *(US qts, Imp.qts)*	**3.4** *(3.6, 3.0)*	**4.0** *(4.2, 3.5)*	**3.9** *(4.1, 3.4)*			
	3.7 *(3.9, 3.3)*	**4.2** *(4.4, 3.7)*				
	SAE 10W-30: API grade SM	**15W-40 and 20W-50:** API grade SL or SM multigrade engine oil				
		5W-30 and 10W-30: API grade SL "energy-conserving", SM "energy-conserving" or ILSAC*3 multigrade engine oil			**0W-20, 5W-30 and 10W-30:** API grade SL "energy-conserving", SM "energy-conserving" or ILSAC*3 multigrade engine oil	
A **N·m** *(kgf-cm, ft-lbf)*	**38** *(382, 27)*	**37** *(377, 27)*				
liters *(US qts, Imp.qts)*	**5.2** *(5.5, 4.6)*	**5.7** *(6.0, 5.0)*	**5.6** *(5.9, 4.9)**4 **5.5** *(5.8, 4.8)**5	**5.5** *(5.8, 4.8)*	**5.6** *(5.9, 4.9)**4 **5.5** *(5.8, 4.8)**5	

*1: w/ Air Fuel Ratio Sensor (for Sensor 1) *2: w/ Heated Oxygen Sensor (for Sensor 1) ******3: International Lubricant Standardization and Approval Committee
*4: for MT *5: for AT

TOYOTA MOTOR CORPORATION Technical Service Division

			
 mm *(in.)*	A	**157.7 to 167.7** *(6.209 to 6.602)*	**168.5 to 178.5** *(6.634 to 7.028)*
	B	**5.0 to 15.0** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		SAE J1703 or FMVSS No. 116 DOT3	
			
 mm *(in.)*	A	**141.4 to 151.4** *(5.57 to 5.96)*	**146.1 to 156.1** *(5.75 to 6.15)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C*3	⬆ **85** *(3.35)**1 ⬆ **81** *(3.19)**2	⬆ **87** *(3.43)**1 ⬆ **83** *(3.27)**2
		SAE J1703 or FMVSS No. 116 DOT3	
200 N *(20 kgf, 45 lbf)* 		**6 to 9**	
 mm *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **19.0** *(0.748)**4*6 ⬆ **23.0** *(0.906)**5	⬆ **7.5** *(0.295)**4*6 ⬆ **8.0** *(0.315)**5
 mm *(in.)*		⬆ **1.0** *(0.0394)*	
 mm *(in.)*		⬇ **229.6** *(9.04)*	

		NZE	ZZE	ZRE
liters *(US qts, lmp.qts)*		-	**1.9** *(2.0, 1.7)*	-
		-	-	**2.4** *(2.5, 2.1)*
		-	**API GL-4 or 5 SAE 75W-90**	**API GL-4 SAE 75W**
N·m *(kgf-cm, ft-lbf)*	A	-	**39** *(400, 29)*	**45** *(459, 33)*
 liters *(US qts, lmp.qts)*		**2.9** *(3.1, 2.6)*		**2.9** *(3.1, 2.6)* *10 **3.5** *(3.7, 3.1)* *11
		Toyota Genuine ATF WS		
N·m *(kgf-cm, ft-lbf)*	A	**49** *(500, 36)*		**49** *(500, 36)* *10 **47** *(479, 35)* *11

		**NZE, ZZE, ZRE**	
 N·m *(kgf-cm, ft-lbf)*		**103** *(1050, 76)*	
		**NZE, ZZE, ZRE**	
 mm *(in.)*		⬇ **30** *(1.18)*	
			
	A	**-0°35' +/- 45'** *(-0.58° +/- 0.75°)**7 **-0°26' +/- 45'** *(-0.43° +/- 0.75°)**8 **-0°23' +/- 45'** *(-0.38° +/- 0.75°)**9	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)**7 **-1°26' +/- 30'** *(-1.43° +/- 0.5°)**8 **-1°25' +/- 30'** *(-1.42° +/- 0.5°)**9
		-0°36' +/- 45' *(-0.60° +/- 0.75°)**7 **-0°26' +/- 45'** *(-0.43° +/- 0.75°)**8	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)**7 **-1°26' +/- 30'** *(-1.43° +/- 0.5°)**8
		-0°35' +/- 45' *(-0.58° +/- 0.75°)*	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)*
	B	**12°33'** *(12.55°)**7 **12°13'** *(12.22°)**8 **12°05'** *(12.08°)**9	-
		12°35' *(12.58°)**7 **12°13'** *(12.22°)**8	
		12°33' *(12.55°)*	
	C	**2°48' +/- 45'** *(2.80° +/- 0.75°)**7 **2°41' +/- 45'** *(2.68° +/- 0.75°)**8 **2°38' +/- 45'** *(2.63° +/- 0.75°)**9	-
		2°54' +/- 45' *(2.90° +/- 0.75°)**7 **2°42' +/- 45'** *(2.70° +/- 0.75°)**8	
		2°48' +/- 45'*(2.80° +/- 0.75°)*	
	D	**38°11' +/- 2°** *(38.18° +/- 2°)**7 **38°30' +/- 2°** *(38.50° +/- 2°)**8 **38°37' +/- 2°** *(38.62° +/- 2°)**9	-
		195/65R15: **38°09' +/- 2°** *(38.15° +/- 2°)* *7 **38°29' +/- 2°** *(38.48° +/- 2°)* *8	
		205/55R16: **38°10' +/- 2°** *(38.17° +/- 2°)**7 **38°31' +/- 2°** *(38.52° +/- 2°)* *8	
		38°11' +/- 2° *(38.18° +/- 2°)*	
	E+F	**0°00' +/- 0°12'** *(0° +/- 0.2°)*	**0°16' +/- 15'** *(0.27° +/- 0.25°)**7 **0°12' +/- 17'** *(0.20° +/- 0.28°)**8 **0°10' +/- 17'** *(0.17° +/- 0.28°)**9
			0°16' +/- 16' *(0.27° +/- 0.27°)**7 **0°12' +/- 17'** *(0.20° +/- 0.28°)**8
			0°16' +/- 16' *(0.27° +/- 0.27°)*
	G-H mm *(in.)*	**0 +/- 2.0** *(0 +/- 0.08)*	**2.7 +/- 2.5** *(0.11 +/- 0.098)**7 **2.0 +/- 2.8** *(0.079 +/- 0.11)**8 **1.7 +/- 2.8** *(0.067 +/- 0.11)**9
			2.7 +/- 2.7 *(0.11 +/- 0.11)**7 **2.0 +/- 2.8** *(0.079 +/- 0.11)**8
			2.8 +/- 2.7 *(0.11 +/- 0.11)*

*1: w/o ABS *2: w/ ABS *3: When the brake pedal is depressed with the force of 294 N (30 kgf, 66 lbf) while the engine is running. *4: for TMC Made *5: for TDB, TDV Made
*6: for Kuozui Made *7: Normal *8: Rough Road Package +15 mm (+0.591 in.) *9: Rough Road Package +20 mm (+0.787 in.) *10: 1ZR-FE, 2ZR-FE *11: 3ZR-FBE

COROLLA

NZE141
ZZE141, 142
ZRE141, 142, 143

2012/07 –

kPa (kgf/cm², psi)	195/65R15 91H 205/55R16 91V	**210** *(2.1, 30)*	**210** *(2.1, 30)*
		NZE, ZZE, ZRE	
20°C *(68°F)*		**1.25 to 1.29**	

		1NZ-FE	1ZZ-FE	2ZR-FBE	3ZR-FBE	1ZR-FE	2ZR-FE
cm³ or cc *(cu. in.)*		**1496** *(91.3)*	**1794** *(109.5)*	**1798** *(109.7)*	**1986** *(121.2)*	**1598** *(97.5)*	**1798** *(109.7)*
98 N *(10 kgf, 22.0 lbf)*		**12.5 to 13.5** *(0.49 to 0.53)* ※**300 to 400** *(31 to 41, 67 to 90)*	**-**	**7.6 to 10.0** *(0.300 to 0.393)* ※**550 to 750** *(57 to 76, 123.7 to 168.6)*			
mm *(in.)* N *(kgf, lbf)*							
	DENSO	**SK16R11** *1 **K16R-U** *2	**K16R-U11**	**FC22HR9-G**	**FC22HR9 FC22HR9-G**	**SC20HR11**	
	NGK	**IFR5A11** *1 **BKR5EYA** *2	**BKR5EYA-11**	**-**	**-**	**-**	
A mm *(in.)*		**1.0 to 1.1** *(0.0394 to 0.0433)**1 **0.7 to 0.8** *(0.0276 to 0.0315)**2	**1.0 to 1.1** *(0.0394 to 0.0433)*	**0.8 to 0.9** *(0.0315 to 0.0354)*		**1.0 to 1.1** *(0.0394 to 0.0433)*	
BTDC		**8 to 12°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)					

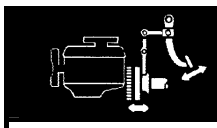
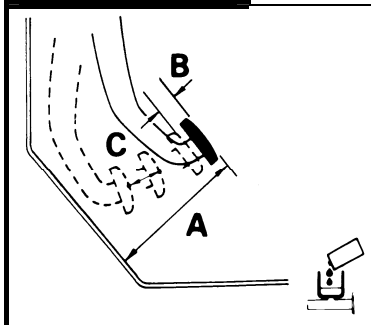
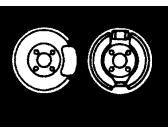
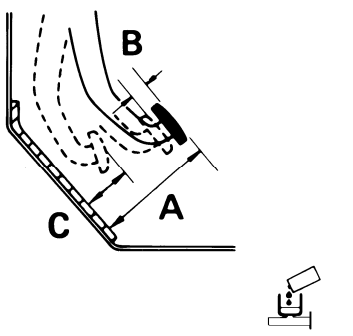
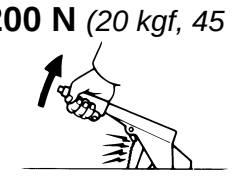
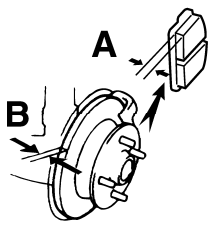
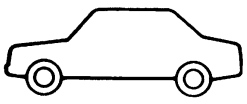
mm *(in.)*		**0.15 to 0.25** *(0.006 to 0.010)*	**0.15 to 0.25** *(0.0059 to 0.0098)*	**-**		
		0.25 to 0.35 *(0.010 to 0.014)*	**0.25 to 0.35** *(0.0098 to 0.0138)*	**-**		
rpm		**550 to 650**	**650 to 750**	**600 to 700**	**625 to 725**	**600 to 700**
kPa (kgf/cm², psi)		**980** *(10.0, 142)*	**1300** *(13.3, 189)*	**1373** *(14.0, 199)*	**1590** *(16.2, 231)*	**1373** *(14.0, 199)*
		↑ **784** *(8.0, 14)*	↑ **1000** *(10.2, 145)*	↑ **1079** *(11.0, 157)*	↑ **1225** *(12.5, 178)*	↑ **1079** *(11.0, 157)*
		↓ **98** *(1.0, 14)*	↓ **100** *(1.0, 15)*	↓ **98** *(1.0, 14.2)*	↓ **100** *(1.0, 15)*	↓ **98** *(1.0, 14.2)*
kPa (kgf/cm², psi)		↑ **29** *(0.3, 4.3)*		↑ **25** *(0.3, 3.6)*		
3000 rpm		**150 to 550** *(1.5 to 5.6, 22 to 80)*	**294 to 539** *(3.0 to 5.5, 43 to 78)*	**150 to 400** *(1.5 to 4.1,22 to 58)*		

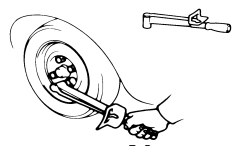
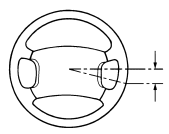
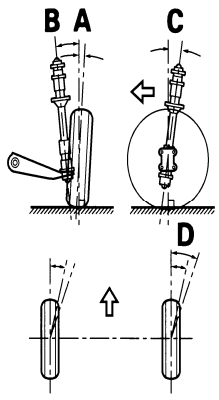
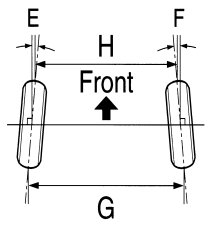
		1NZ-FE	1ZZ-FE	2ZR-FBE	3ZR-FBE	1ZR-FE	2ZR-FE
liters (US qts, lmp.qts)		**3.4** *(3.6, 3.0)*	**4.0** *(4.2, 3.5)*	**3.9** *(4.1, 3.4)*			
		3.7 *(3.9, 3.3)*	**4.2** *(4.4, 3.7)*				
		15W-40 and 20W-50: API grade SL, SM or SN multigrade engine oil		**15W-40 and 20W-50:** API grade SL or SM multigrade engine oil		**15W-40 and 20W-50:** API grade SL, SM or SN multigrade engine oil	
		5W-30 and 10W-30: API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving" or ILSAC*3 multigrade engine oil		**5W-30 and 10W-30:** API grade SL "energy-conserving", SM "energy-conserving" or ILSAC*3 multigrade engine oil		**0W-20, 5W-20, 5W-30 and 10W-30:** API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving" or ILSAC*3 multigrade engine oil	
N·m *(kgf-cm, ft-lbf)*	**A**	**38** *(382, 27)*	**37** *(377, 27)*				
liters (US qts, lmp.qts)		**5.2** *(5.5, 4.6)*	**5.7** *(6.0, 5.0)*	**5.6** *(5.9, 4.9)**4 **5.5** *(5.8, 4.8)**5	**5.5** *(5.8, 4.8)*	**5.6** *(5.9, 4.9)**4 **5.5** *(5.8, 4.8)**5	

*1: w/ Air Fuel Ratio Sensor (for Sensor 1) *2: w/ Heated Oxygen Sensor (for Sensor 1) *****3: International Lubricant Standardization and Approval Committee

*4: for MT *5: for AT

TOYOTA MOTOR CORPORATION Technical Service Division

			
 mm *(in.)*	A	**147.2 to 157.2** *(5.795 to 6.189)*	**158.1 to 168.1** *(6.224 to 6.618)*
	B	**5.0 to 15.0** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		SAE J1703 or FMVSS No.116 DOT3	
			
 mm *(in.)*	A	**141.4 to 151.4** *(5.57 to 5.96)*	**146.1 to 156.1** *(5.75 to 6.15)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C*3	⬆ **85** *(3.35)**1 ⬆ **81** *(3.19)**2	⬆ **87** *(3.43)**1 ⬆ **83** *(3.27)**2
		SAE J1703 or FMVSS No. 116 DOT3	
200 N *(20 kgf, 45 lbf)* 		**6 to 9**	
 mm *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **19.0** *(0.748)*	⬆ **7.5** *(0.295)*
 mm *(in.)*		⬆ **1.0** *(0.0394)*	
 mm *(in.)*		⬇ **229.6** *(9.04)*	
		CE	
liters *(US qts, Imp.qts)*	1 3 5 / 2 4 R	**2.5** *(2.6, 2.2)*	
		API GL-4 or 5 SAE 75W-90	
N·m *(kgf-cm, ft-lbf)*	**A**	**49** *(500, 36)*	

			**CE**
 **N·m** *(kgf-cm, ft-lbf)*			**103** *(1050, 76)*
			**CE**
 **mm** *(in.)*			⬇ **30** *(1.18)*
			
	A	**-0°35' +/- 45'** *(-0.58° +/- 0.75°)**4 **-0°26' +/- 45'** *(-0.43° +/- 0.75°)**5 **-0°23' +/- 45'** *(-0.38° +/- 0.75°)**6	**-1°27' +/- 30'** *(-1.45° +/- 0.5°)**4 **-1°26' +/- 30'** *(-1.43° +/- 0.5°)**5 **-1°25' +/- 30'** *(-1.42° +/- 0.5°)**6
	B	**12°33'** *(12.55°)**4 **12°13'** *(12.22°)**5 **12°05'** *(12.08°)**6	-
	C	**2°48' +/- 45'** *(2.80° +/- 0.75°)**4 **2°41' +/- 45'** *(2.68° +/- 0.75°)**5 **2°38' +/- 45'** *(2.63° +/- 0.75°)**6	-
	D	**38°11' +/- 2°** *(38.18° +/- 2°)**4 **38°30' +/- 2°** *(38.50° +/- 2°)**5 **38°37' +/- 2°** *(38.62° +/- 2°)**6	-
	**E+F**	**0°00' +/- 0°12'** *(0° +/- 0.2°)*	**0°16' +/- 15'** *(0.27° +/- 0.25°)**4 **0°12' +/- 17'** *(0.20° +/- 0.28°)**5 **0°10' +/- 17'** *(0.17° +/- 0.28°)**6
	G-H **mm** *(in.)*	**0 +/- 2.0** *(0 +/- 0.08)*	**2.7 +/- 2.5** *(0.11 +/- 0.098)**4 **2.0 +/- 2.8** *(0.079 +/- 0.11)**5 **1.7 +/- 2.8** *(0.067 +/- 0.11)**6

*1: w/o ABS *2: w/ ABS *3: When the brake pedal is depressed with the force of 294 N (30 kgf, 66 lbf) while the engine is running.

*4: Normal *5: Rough Road Package +15 mm (+0.591 in.) *6: Rough Road Package +20 mm (+0.787 in.)

COROLLA Diesel

CE140

TOYOTA QUALITY SERVICE

kPa (kgf/cm², psi)	195/65R15 91H	**210** *(2.1, 30)*	**210** *(2.1, 30)*
		CE	
20°C *(68°F)*		**1.25 to 1.29**	
		2C	
	cm³ or cc *(cu. in.)*	**1975** *(120.5)*	
98 N *(10 kgf, 22.0 lbf)* ※ **mm** *(in.)* **N** *(kgf, lbf)*		**12.0 to 14.0** *(0.47 to 0.55)* **※197 to 392** *(20 to 40, 44 to 88)*	
		13.5 to 16.5 *(0.53 to 0.65)* **※196 to 392** *(20 to 40, 44 to 88)*	
mm *(in.)*		**0.20 to 0.30** *(0.00787 to 0.0118)*	
		0.25 to 0.35 *(0.00984 to 0.0138)*	
secs		**5.0**	
20°C *(68°F)* **ohm**		**0.72**	
rpm		**850 to 950**	
		5300 to 5400*1 **5100 to 5200***2	

MPa (kgf/cm², psi)		**2.9** *(30, 421)*
		⬆ **2.5** *(25, 356)*
		⬇ **0.49** *(5.0, 71)*
kPa (kgf/cm², psi)		⬆ **29** *(0.3, 4.3)*
	4500 rpm	⬆ **245 to 588** *(2.5 to 6.0, 36 to 85)*
		2C
liters (US qts, lmp.qts)		**4.4** *(4.7, 3.9)*
		5.1 *(5.4, 4.5)*
		G-DLD-1 **API grade CF-4** **API grade CF** **API grade CE** **API grade CD** **SAE 20W-50, 15W-40, 10W-30 and 5W-30**
N·m (kgf-cm, ft-lbf)	**A**	**34** *(347, 25)*
liters (US qts, lmp.qts)		**5.9** *(6.2, 5.2)*

*1: w/o High Altitude Compensator *2: w/ High Altitude Compensator

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