

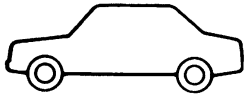
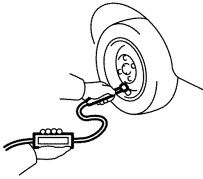
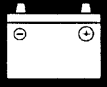
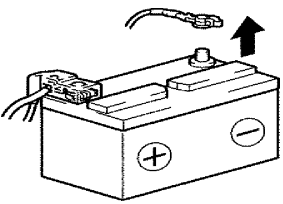
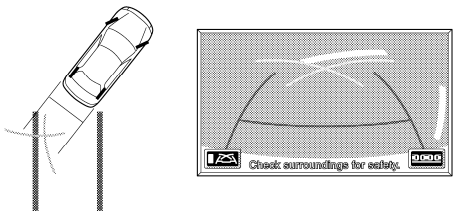
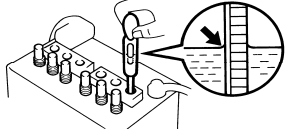
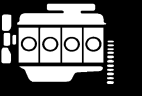
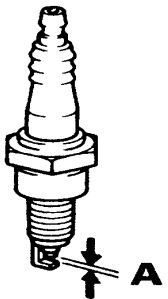
	A	151.8 to 161.8 (5.976 to 6.370)	147.0 to 157.0 (5.787 to 6.181)
mm (in.)	B	1.0 to 2.0 (0.039 to 0.079)	
	C	108 (4.25)*1 105 (4.13)*2	104 (4.09)*3 101 (3.98)*4
	SAE J1703 or FMVSS No. 116 DOT3		
		300 N (31 kgf, 67.5 lbf)	
		7 to 9	
mm (in.)	A	1.0 (0.039)	
	B	25.0 (0.983)*1 27.0 (1.063)*2	8.5 (0.334)*5 16.5 (0.650)*6
	mm (in.)	1.0 (0.039)	
	mm (in.)	191.0 (7.52)	
		GSE	
	A	Drain and refill 1.8 (1.9, 1.6)	
liters (US qts, Imp. qts)		Toyota Genuine ATF WS	
N·m (kgf-cm, ft-lbf)	A	20 (204, 15)	

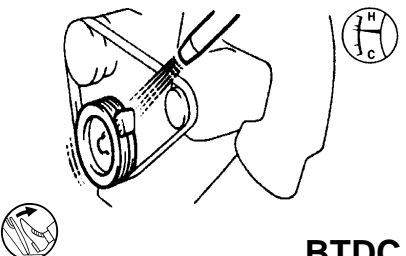
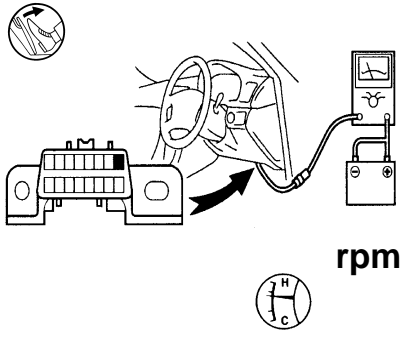
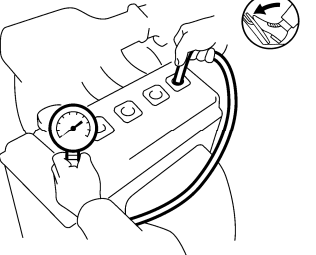



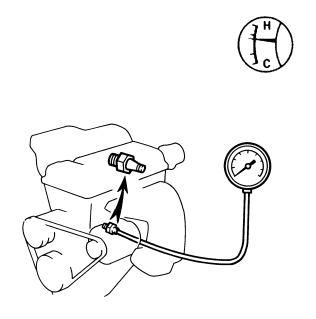



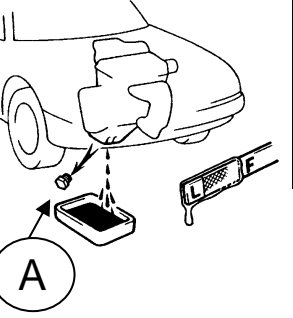

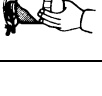
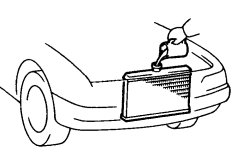
	A	1.10 to 1.20 (1.17 to 1.27, 0.97 to 1.05)*3 1.30 to 1.40 (1.37 to 1.48, 1.14 to 1.23)*4	
liters (US qts, Imp. qts)		Toyota genuine differential gear oil LT 75W-85 GL-5 or equivalent	
N·m (kgf-cm, ft-lbf)	A	49 (500, 36)	
		GSE	
		103 (1050, 76)	
N·m (kgf-cm, ft-lbf)			
		GSE	
		30 (1.18)	
	mm (in.)		
	A	-0°23' +/- 45' (-0.38° +/- 0.75°)*10*12 -0°04' +/- 45' (-0.07° +/- 0.75°)*10*13 -0°36' +/- 45' (-0.6° +/- 0.75°)*11	-0°57' +/- 45' (-0.95° +/- 0.75°)*7*12 -0°39' +/- 45' (-0.65° +/- 0.75°)*7*13 -1°10' +/- 45' (-1.17° +/- 0.75°)*8*12 -0°51' +/- 45' (-0.85° +/- 0.75°)*8*13 -1°10' +/- 45' (-1.17° +/- 0.75°)*9
	B	10°41' +/- 45' (10.68° +/- 0.75°)*10*12 10°22' +/- 45' (10.37° +/- 0.75°)*10*13 10°55' +/- 45' (10.92° +/- 0.75°)*11	-
	C	8°07' +/- 45' (8.12° +/- 0.75°)*7*12 7°47' +/- 45' (7.78° +/- 0.75°)*7*13 8°11' +/- 45' (8.18° +/- 0.75°)*8*12 7°51' +/- 45' (7.85° +/- 0.75°)*8*13 8°04' +/- 45' (8.07° +/- 0.75°)*9	-
	D	41°34' +/- 2° (41.57° +/- 2°)*10*12 41°46' +/- 2° (41.77° +/- 2°)*10*13 41°26' +/- 2° (41.43° +/- 2°)*11	-
	E+F	0°06' +/- 11° (0.10° +/- 0.19°)	0°17' +/- 11° (0.29° +/- 0.19°)
	G-H	1.0 +/- 2.0 (0.04 +/- 0.08)	3.0 +/- 2.0 (0.12 +/- 0.08)

*1: Floating Type Caliper *2: Opposed Type Caliper *3: 3GR-FE, 4GR-FSE *4: 2GR-FSE *5: Solid Disc Type *6: Ventilated Disc Type *7: 16 inch Wheel

*8: 17 inch Wheel *9: 18 inch Wheel *10: Normal Suspension *11: Sports Suspension *12: Except for Argentina, Indonesia, Malaysia, Philippines, Turkey, Ukraine

*13: For Argentina, Indonesia, Malaysia, Philippines, Turkey, Ukraine

					
 <p>kPa (kgf/cm² or bar, psi)</p>	For Europe, GCC, China, Others	205/55R16 89W	310 (3.1, 45)*1 290 (2.9, 42)*2 240 (2.4, 35)*3	330 (3.3, 48)*1 310 (3.1, 45)*2 260 (2.6, 38)*3	
		225/45R17 90W	300 (3.0, 44)*1 280 (2.8, 41)*2 240 (2.4, 35)*3	-	
		245/45R17 95W	-	320 (3.2, 46)*1 300 (3.0, 44)*2 260 (2.6, 38)*3	
		For Europe	225/40R18 88Y	320 (3.2, 46)*1 300 (3.0, 44)*2 240 (2.4, 35)*3	-
			255/40R18 95Y	-	340 (3.4, 49)*1 320 (3.2, 46)*2 260 (2.6, 38)*3
			For Australia	205/55R16 89W	310 (3.1, 45)*4 240 (2.4, 35)*5
	225/45R17 90W	300 (3.0, 44)*4 240 (2.4, 35)*5		-	
	245/45R17 95W	-		320 (3.2, 46)*4 260 (2.6, 38)*5	
	225/40R18 88Y	320 (3.2, 46)*4 240 (2.4, 35)*5		-	
	255/40R18 95Y	-		340 (3.4, 49)*4 260 (2.6, 38)*5	
		 <p style="text-align: center;">GSE</p>			
			*6	*7	
					
 <p>20°C (68°F)</p>		1.25 to 1.29			
		2GR-FSE	3GR-FE	4GR-FSE	
cm ³ or cc (cu. in.)		3456 (210.9)	2995 (182.8)	2500 (152.6)	
	DENSO	FK20HBR11			
	A mm (in.)	1.0 to 1.1 (0.0394 to 0.0433)			

	8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected)			
	BTDC			
	rpm			
	600 to 700	700 to 800	650 to 750	
		1.4 (14.0, 199)	1.2 (12.2, 174)	1.4 (14.0, 199)
		0.98 (10.0, 142)	0.9 (9.2, 131)	0.98 (10.0, 142)
		0.1 (1.0, 15)		
		80 (0.8, 11.6)		
		380 (3.9, 56)		
 <p style="text-align: center;">GSE</p>				
		5.9 (6.2, 5.2)		
		6.3 (6.7, 5.5)		
liters (US qts, Imp. qts)		SAE 5W-30, 10w-30: API grade SL or SM "energy-conserving" or ILSAC*8 multi grade engine oil SAE 15W-40, 20w-50: API grade SL or SM multi grade engine oil		
N·m (kgf-cm, ft-lbf)		A	40 (408, 30)	
		9.1 (9.6, 8.0)		
liters (US qts, Imp. qts)				

*1: For driving at over 210 km/h (131 mph) *2: For driving at 160 km/h (100 mph) to 210 km/h (131 mph) *3: For driving at under 160 km/h (100 mph)


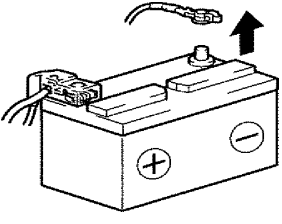
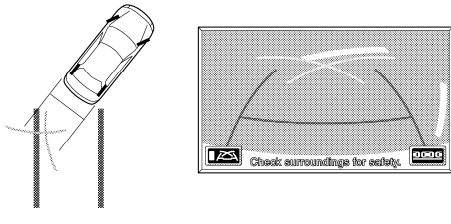
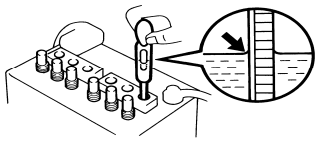
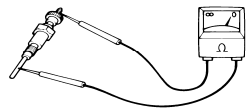
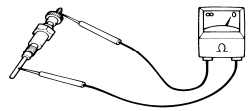
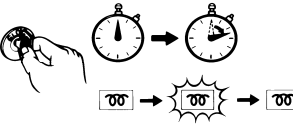
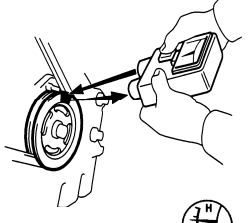

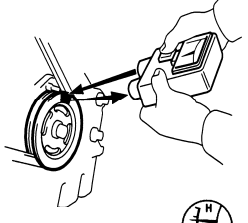

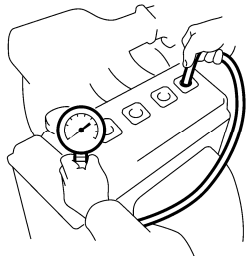

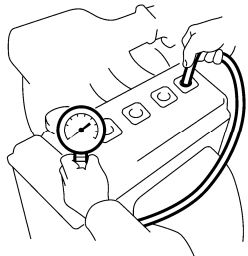

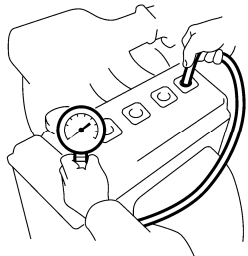

*4: For driving at over 140 km/h (87 mph) *5: For driving at under 140 km/h (87 mph) *6: Initialization required. Refer to the repair manual for the initialization procedures.

*7: Parking Assist Monitor System *8: ILSAC: International Lubricant Standardization and Approval Committee

 mm (in.)	A	183.4 to 193.4 (7.2205 to 7.6142)	165.8 to 175.8 (6.5275 to 6.9212)
	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	146.6 to 156.6 (5.772 to 6.165)	154.0 to 164.0 (6.063 to 6.457)
	B	1.0 to 2.0 (0.039 to 0.079)	
	C	↑103.0 (4.06)	↑108.0 (4.25)
SAE J1703 or FMVSS No. 116 DOT3			
200 N (20 kgf, 45 lbf)		5 to 7	
mm (in.)	A	↑ 1.0 (0.039)	
	B	↑ 25.0 (0.983)	↑ 16.5 (0.650)
		↑ 1.0 (0.039)	
		↓ 191.0 (7.52)	
		ALE	
		1.8 (1.9, 1.6)	
liters (US qts, Imp.qts)		API GL-5 SAE 75W-90	
N-m (kgf-cm, ft-lbf)	A	37 (377, 27)	
liters (US qts, Imp.qts)		1.30 to 1.40 (1.37 to 1.48, 1.14 to 1.23)	
		Toyota genuine differential gear oil LT 75W-85 GL-5 or equivalent	
N-m (kgf-cm, ft-lbf)	A	49 (500, 36)	

		ALE	
		103 (1050, 76)	
N-m (kgf-cm, ft-lbf)			
		ALE	
		↓ 30 (1.18)	
mm (in.)			
 mm (in.)	A	-0°11' +/- 45' (-0.18° +/- 0.75°)*1*2 -0°26' +/- 45' (-0.43° +/- 0.75°)*3	-0°45' +/- 45' (-0.75° +/- 0.75°)*1*2 -1°05' +/- 45' (-1.08° +/- 0.75°)*3
	B	10°29' +/- 45' (10.48° +/- 0.75°)*1*2 10°44' +/- 45' (10.73° +/- 0.75°)*3	-
	C	7°54' +/- 45' (7.90° +/- 0.75°)*1 7°45' +/- 45' (7.75° +/- 0.75°)*2 7°56' +/- 45' (7.93° +/- 0.75°)*3	-
	D	41°42' +/- 2° (41.70° +/- 2°)*1*2 41°28' +/- 2° (41.47° +/- 2°)*3	-
 mm (in.)	E+F	0°06' +/- 11° (0.10° +/- 0.19°)	0°17' +/- 11° (0.29° +/- 0.19°)
	G-H	1.0 +/- 2.0 (0.04 +/- 0.08)	3.0 +/- 2.0 (0.12 +/- 0.08)
 kPa (kgf/cm ² or bar, psi)	205/55R16 89W	310 (3.1, 45)*4 290 (2.9, 42)*5 240 (2.4, 35)*6	330 (3.3, 48)*4 310 (3.1, 45)*5 260 (2.6, 38)*6
	225/45R17 90W	300 (3.0, 44)*4 280 (2.8, 41)*5 240 (2.4, 35)*6	-
	245/45R17 95W	-	320 (3.2, 46)*4 300 (3.0, 44)*5 260 (2.6, 38)*6
	225/40R18 88Y	320 (3.2, 46)*4 300 (3.0, 44)*5 260 (2.6, 38)*6	-
	255/40R18 95Y	-	340 (3.4, 49)*4 320 (3.2, 46)*5 280 (2.8, 41)*6

*1: 16 inch Wheel *2: 17 inch Wheel *3: 18 inch Wheel *4: For driving at over 210 km/h (131 mph) *5: For driving at 160 km/h (100 mph) to 210 km/h (131 mph)
*6: For driving at under 160 km/h (100 mph).

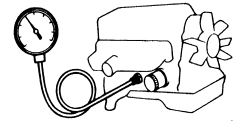

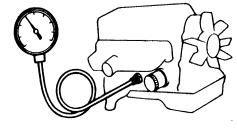


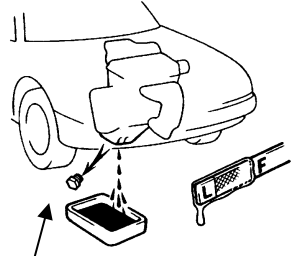

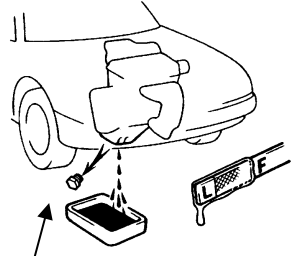

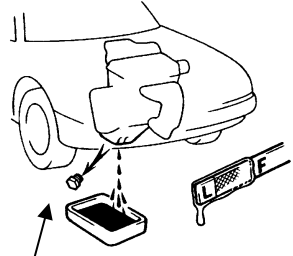


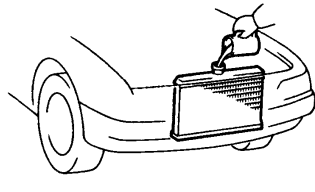

		ALE	
 *1	 *2	1.25 to 1.29	
 20°C (68°F)		2AD-FHV 2AD-FTV	
 20°C (68°F)		cm ³ or cc (cu. in.) 2231 (136.1)	
 ohm		0.95	
 0°C (32°F)		3 to 4	
		secs	
 rpm		720 to 820	
 rpm		5100 to 5250	
 kPa (kgf/cm ² , psi)		2700 (27.5, 391)	
 kPa (kgf/cm ² , psi)		2200 (22.5, 320)	
 kPa (kgf/cm ² , psi)		500 (5.0, 71)	

*1: Initialization required. Refer to the repair manual for the initialization procedures.

*2: Parking Assist Monitor System

*3: w/ Combustion Type Power Heater

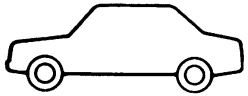
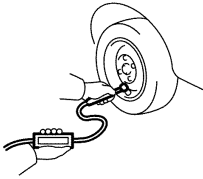
*4: w/o Combustion Type Power Heater

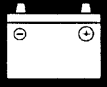
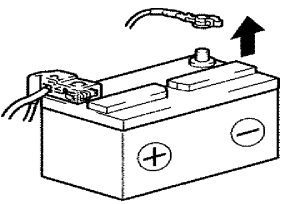
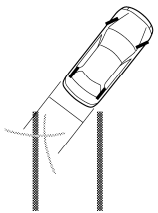
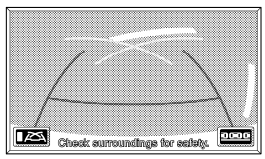
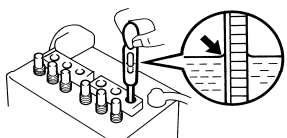
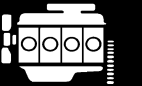
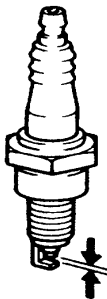
 kPa (kgf/cm ² , psi)	 29 (0.3, 4.2)		
 kPa (kgf/cm ² , psi)	 245 (2.5, 36)		
		2AD-FHV	2AD-FTV
 liters (US qts, Imp. qts)	 5.2 (5.5, 4.6)		
 liters (US qts, Imp. qts)	 6.0 (6.3, 5.3)		
 liters (US qts, Imp. qts)		SAE 0W-30, 5W-30: ACEA C2	
 N·m (kgf-cm, ft-lbf)	 38 (388, 28)		
 liters (US qts, Imp. qts)	 9.0 (9.5, 7.9)*3 8.8 (9.3, 7.7)*4	9.0 (9.5, 7.9)*3 8.7 (9.2, 7.7)*4	

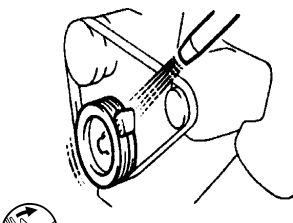
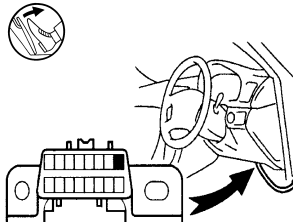
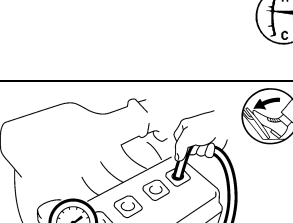
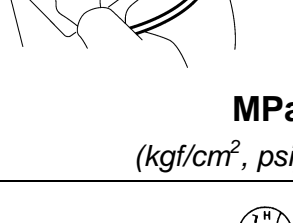





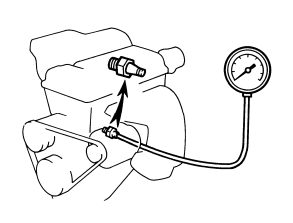




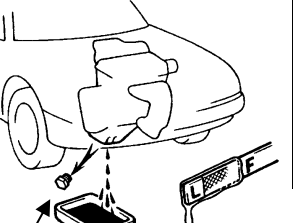


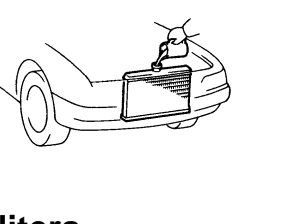
 mm (in.)	A	151.8 to 161.8 (5.976 to 6.370)	147.0 to 157.0 (5.787 to 6.181)
	B	1.0 to 2.0 (0.039 to 0.079)	
	C	108 (4.25)*1 105 (4.13)*2	104 (4.09)*3 101 (3.98)*4
		SAE J1703 or FMVSS No. 116 DOT3	
 300 N (31 kgf, 67.5 lbf)		7 to 9	
 mm (in.)	A	 1.0 (0.039)	
	B	25.0 (0.983)*1 27.0 (1.063)*2	8.5 (0.334)*5 16.5 (0.650)*6
 mm (in.)	1.0 (0.039)		
 mm (in.)	191.0 (7.52)		
		GSE	
 liters (US qts, Imp. qts)	Drain and refill 1.8 (1.9, 1.6)		
	Toyota Genuine ATF WS		
A		20 (204, 15)	
N-m (kgf-cm, ft-lbf)			

 liters (US qts, Imp. qts)	1.10 to 1.20 (1.17 to 1.27, 0.97 to 1.05)*3 1.30 to 1.40 (1.37 to 1.48, 1.14 to 1.23)*4		
	Toyota genuine differential gear oil LT 75W-85 GL-5 or equivalent		
N-m (kgf-cm, ft-lbf)	A	49 (500, 36)	
		GSE	
 N-m (kgf-cm, ft-lbf)		103 (1050, 76)	
		GSE	
 mm (in.)		30 (1.18)	
 mm (in.)	A	-0°57' +/- 45' (-0.95° +/- 0.75°)*7*12 -0°39' +/- 45' (-0.65° +/- 0.75°)*7*13 -1°10' +/- 45' (-1.17° +/- 0.75°)*8*12 -0°51' +/- 45' (-0.85° +/- 0.75°)*8*13 -1°10' +/- 45' (-1.17° +/- 0.75°)*9	
	B	10°41' +/- 45' (10.68° +/- 0.75°)*10*12 10°22' +/- 45' (10.37° +/- 0.75°)*10*13 10°55' +/- 45' (10.92° +/- 0.75°)*11	-
	C	8°07' +/- 45' (8.12° +/- 0.75°)*7*12 7°47' +/- 45' (7.78° +/- 0.75°)*7*13 8°11' +/- 45' (8.18° +/- 0.75°)*8*12 7°51' +/- 45' (7.85° +/- 0.75°)*8*13 8°04' +/- 45' (8.07° +/- 0.75°)*9	-
	D	41°34' +/- 2° (41.57° +/- 2°)*10*12 41°46' +/- 2° (41.77° +/- 2°)*10*13 41°26' +/- 2° (41.43° +/- 2°)*11	-
 mm (in.)	E+F	0°06' +/- 11° (0.10° +/- 0.19°)	0°17' +/- 11° (0.29° +/- 0.19°)
	G-H	1.0 +/- 2.0 (0.04 +/- 0.08)	3.0 +/- 2.0 (0.12 +/- 0.08)

*1: Floating Type Caliper *2: Opposed Type Caliper *3: 3GR-FE, 4GR-FSE *4: 2GR-FSE *5: Solid Disc Type *6: Ventilated Disc Type *7: 16 inch Wheel
 *8: 17 inch Wheel *9: 18 inch Wheel *10: Normal Suspension *11: Sports Suspension *12: Except for Argentina, Indonesia, Malaysia, Philippines, Turkey, Ukraine
 *13: For Argentina, Indonesia, Malaysia, Philippines, Turkey, Ukraine

					
 <p>kPa (kgf/cm² or bar, psi)</p>	For Europe, GCC, China, Others	205/55R16 89W	310 (3.1, 45)*1 290 (2.9, 42)*2 240 (2.4, 35)*3	330 (3.3, 48)*1 310 (3.1, 45)*2 260 (2.6, 38)*3	
		225/45R17 90W	300 (3.0, 44)*1 280 (2.8, 41)*2 240 (2.4, 35)*3	-	
		245/45R17 95W	-	320 (3.2, 46)*1 300 (3.0, 44)*2 260 (2.6, 38)*3	
		For Europe	225/40R18 88Y	320 (3.2, 46)*1 300 (3.0, 44)*2 240 (2.4, 35)*3	-
			255/40R18 95Y	-	340 (3.4, 49)*1 320 (3.2, 46)*2 260 (2.6, 38)*3
			For Australia	205/55R16 89W	310 (3.1, 45)*4 240 (2.4, 35)*5
	225/45R17 90W	300 (3.0, 44)*4 240 (2.4, 35)*5		-	
	245/45R17 95W	-		320 (3.2, 46)*4 260 (2.6, 38)*5	
			225/40R18 88Y	320 (3.2, 46)*4 240 (2.4, 35)*5	-
			255/40R18 95Y	-	340 (3.4, 49)*4 260 (2.6, 38)*5

		 <p>GSE</p>		
	*6	*7		
				
 <p>20°C (68°F)</p>	<p>1.25 to 1.29</p>			
		2GR-FSE	3GR-FE	4GR-FSE
	cm ³ or cc (cu. in.)	3456 (210.9)	2995 (182.8)	2500 (152.6)
	DENSO	FK20HBR11		
	A mm (in.)	1.0 to 1.1 (0.0394 to 0.0433)		

	<p>8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected)</p>			
 <p>BTDC</p>				
 <p>rpm</p>	600 to 700	700 to 800	650 to 750	
 <p>MPa (kgf/cm², psi)</p>	1.4 (14.0, 199)	1.2 (12.2, 174)	1.4 (14.0, 199)	
				
		 <p>0.1 (1.0, 15)</p>		
 <p>kPa (kgf/cm², psi)</p>		 <p>80 (0.8, 11.6)</p>		
	 <p>6000 rpm</p>	 <p>380 (3.9, 56)</p>		
		 <p>GSE</p>		
			<p>5.9 (6.2, 5.2)</p>	
			<p>6.3 (6.7, 5.5)</p>	
<p>liters (US qts, Imp.qts)</p>			<p>SAE 0W-20*8, 5W-20*8, 5W-30, 10W-30: API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving" or ILSAC*9 multi grade engine oil</p> <p>SAE 15W-40, 20W-50: API grade SL, SM or SN multi grade engine oil</p>	
	A	<p>40 (408, 30)</p>		
<p>N·m (kgf-cm, ft-lbf)</p>			<p>9.1 (9.6, 8.0)</p>	
 <p>liters (US qts, Imp.qts)</p>			<p>9.1 (9.6, 8.0)</p>	

*1: For driving at over 210 km/h (131 mph) *2: For driving at 160 km/h (100 mph) to 210 km/h (131 mph) *3: For driving at under 160 km/h (100 mph)

*4: For driving at over 140 km/h (87 mph) *5: For driving at under 140 km/h (87 mph) *6: Initialization required. Refer to the repair manual for the initialization procedures.

*7: Parking Assist Monitor System *8: For 4GR-FSE use only *9: ILSAC: International Lubricant Standardization and Approval Committee

	A	183.4 to 193.4 (7.2205 to 7.6142)	165.8 to 175.8 (6.5275 to 6.9212)
	B	5.0 to 15.0 (0.197 to 0.591)	
	C	↑ 25 (0.984)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
	A	146.6 to 156.6 (5.772 to 6.165)	154.0 to 164.0 (6.063 to 6.457)
	B	1.0 to 2.0 (0.039 to 0.079)	
	C	↑103.0 (4.06)	↑108.0 (4.25)
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
200 N (20 kgf, 45 lbf)		5 to 7	
	A	↑ 1.0 (0.039)	
	B	↑ 25.0 (0.983)	↑ 16.5 (0.650)
mm (in.)			
		↑ 1.0 (0.039)	
		↓ 191.0 (7.52)	
mm (in.)			
ALE			
		1.8 (1.9, 1.6)	
		API GL-5 SAE 75W-90	
liters (US qts, Imp. qts)	A	37 (377, 27)	
		1.30 to 1.40 (1.37 to 1.48, 1.14 to 1.23)	
		Toyota genuine differential gear oil LT 75W-85 GL-5 or equivalent	
liters (US qts, Imp. qts)	A	49 (500, 36)	
		N-m (kgf-cm, ft-lbf)	

		ALE	
		103 (1050, 76)	
N-m (kgf-cm, ft-lbf)			
		ALE	
		30 (1.18)	
mm (in.)			
	A	-0°11' +/- 45' (-0.18° +/- 0.75°)*1*2 -0°26' +/- 45' (-0.43° +/- 0.75°)*3	-0°45' +/- 45' (-0.75° +/- 0.75°)*1*2 -1°05' +/- 45' (-1.08° +/- 0.75°)*3
	B	10°29' +/- 45' (10.48° +/- 0.75°)*1*2 10°44' +/- 45' (10.73° +/- 0.75°)*3	-
	C	7°54' +/- 45' (7.90° +/- 0.75°)*1 7°45' +/- 45' (7.75° +/- 0.75°)*2 7°56' +/- 45' (7.93° +/- 0.75°)*3	-
	D	41°42' +/- 2° (41.70° +/- 2°)*1*2 41°28' +/- 2° (41.47° +/- 2°)*3	-
	E+F	0°06' +/- 11° (0.10° +/- 0.19°)	0°17' +/- 11° (0.29° +/- 0.19°)
	G-H	1.0 +/- 2.0 (0.04 +/- 0.08)	3.0 +/- 2.0 (0.12 +/- 0.08)
mm (in.)			
ALE			
	205/55R16 89W	310 (3.1, 45)*4 290 (2.9, 42)*5 240 (2.4, 35)*6	330 (3.3, 48)*4 310 (3.1, 45)*5 260 (2.6, 38)*6
	225/45R17 90W	300 (3.0, 44)*4 280 (2.8, 41)*5 240 (2.4, 35)*6	-
	245/45R17 95W	-	320 (3.2, 46)*4 300 (3.0, 44)*5 260 (2.6, 38)*6
	225/40R18 88Y	320 (3.2, 46)*4 300 (3.0, 44)*5 260 (2.6, 38)*6	-
	255/40R18 95Y	-	340 (3.4, 49)*4 320 (3.2, 46)*5 280 (2.8, 41)*6
kPa (kgf/cm ² or bar, psi)			

*1: 16 inch Wheel *2: 17 inch Wheel *3: 18 inch Wheel *4: For driving at over 210 km/h (131 mph) *5: For driving at 160 km/h (100 mph) to 210 km/h (131 mph)
*6: For driving at under 160 km/h (100 mph).

		ALE	
 *1	 *2	1.25 to 1.29	
 20°C (68°F)		2AD-FHV 2AD-FTV	
 cm ³ or cc (cu. in.)		2231 (136.1)	
 20°C (68°F)		0.95	
 ohm			
 0°C (32°F)		3 to 4	
 secs			
 rpm		720 to 820	
 rpm		5100 to 5250	
 kPa (kgf/cm ² , psi)		2700 (27.5, 391)	
		↑ 2200 (22.5, 320)	
		↓ 500 (5.0, 71)	

 kPa (kgf/cm ² , psi)		↑ 29 (0.3, 4.2)	
 4500 rpm		↑ 245 (2.5, 36)	
		2AD-FHV	2AD-FTV
 A		5.2 (5.5, 4.6)	
 A		6.0 (6.3, 5.3)	
 liters (US qts, Imp. qts)		SAE 0W-30, 5W-30: ACEA C2	
 N·m (kgf-cm, ft-lbf)	A	38 (388, 28)	
 liters (US qts, Imp. qts)		9.0 (9.5, 7.9)*3 8.8 (9.3, 7.7)*4	9.0 (9.5, 7.9)*3 8.7 (9.2, 7.7)*4

*1: Initialization required. Refer to the repair manual for the initialization procedures.

*2: Parking Assist Monitor System

*3: w/ Combustion Type Power Heater

*4: w/o Combustion Type Power Heater

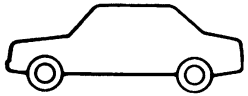
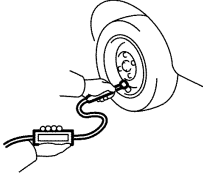
	A	151.8 to 161.8 (5.976 to 6.370)	147.0 to 157.0 (5.787 to 6.181)
	B	1.0 to 2.0 (0.039 to 0.079)	
	C	108 (4.25)*1 105 (4.13)*2	104 (4.09)*3 101 (3.98)*4
		SAE J1703 or FMVSS No. 116 DOT3	
	300 N (31 kgf, 67.5 lbf)		
		7 to 9	
	A	1.0 (0.039)	
	B	25.0 (0.983)*1 27.0 (1.063)*2	8.5 (0.334)*5 16.5 (0.650)*6
			1.0 (0.039)
			191.0 (7.52)
		GSE	
	Drain and refill 1.8 (1.9, 1.6)		
		Toyota Genuine ATF WS	
	A	20 (204, 15)	

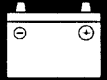
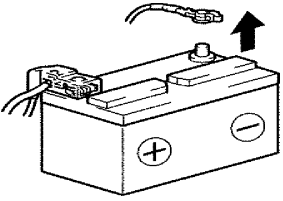
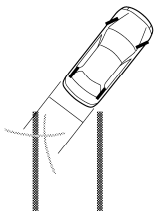
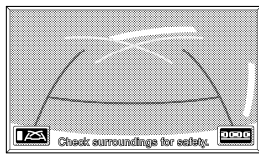
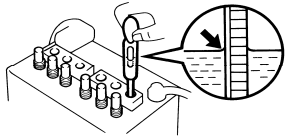
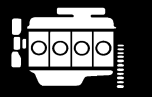
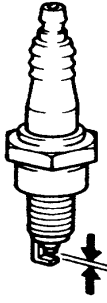
			1.10 to 1.20 (1.17 to 1.27, 0.97 to 1.05)*3 1.30 to 1.40 (1.37 to 1.48, 1.14 to 1.23)*4
		Toyota genuine differential gear oil LT 75W-85 GL-5 or equivalent	
	A	49 (500, 36)	
		GSE	
	103 (1050, 76)		
		GSE	
			30 (1.18)
	A	-0°23' +/- 45' (-0.38° +/- 0.75°)*10*12 -0°04' +/- 45' (-0.07° +/- 0.75°)*10*13 -0°36' +/- 45' (-0.6° +/- 0.75°)*11 -0°57' +/- 45' (-0.95° +/- 0.75°)*7*12 -0°39' +/- 45' (-0.65° +/- 0.75°)*7*13 -1°10' +/- 45' (-1.17° +/- 0.75°)*8*12 -0°51' +/- 45' (-0.85° +/- 0.75°)*8*13 -1°10' +/- 45' (-1.17° +/- 0.75°)*9	
	B	10°41' +/- 45' (10.68° +/- 0.75°)*10*12 10°22' +/- 45' (10.37° +/- 0.75°)*10*13 10°55' +/- 45' (10.92° +/- 0.75°)*11	-
	C	8°07' +/- 45' (8.12° +/- 0.75°)*7*12 7°47' +/- 45' (7.78° +/- 0.75°)*7*13 8°11' +/- 45' (8.18° +/- 0.75°)*8*12 7°51' +/- 45' (7.85° +/- 0.75°)*8*13 8°04' +/- 45' (8.07° +/- 0.75°)*9	-
	D	41°34' +/- 2° (41.57° +/- 2°)*10*12 41°46' +/- 2° (41.77° +/- 2°)*10*13 41°26' +/- 2° (41.43° +/- 2°)*11	-
	E+F	0°06' +/- 11° (0.10° +/- 0.19°)	0°17' +/- 11° (0.29° +/- 0.19°)
	G-H	1.0 +/- 2.0 (0.04 +/- 0.08)	3.0 +/- 2.0 (0.12 +/- 0.08)

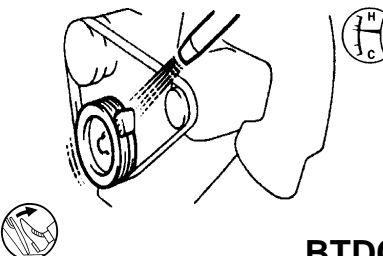
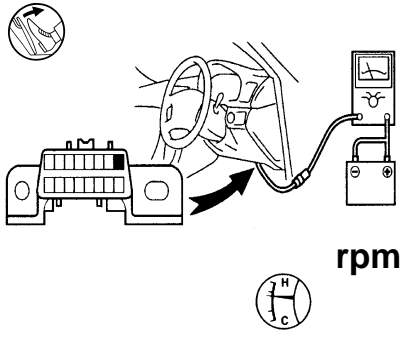
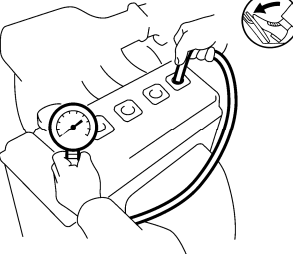
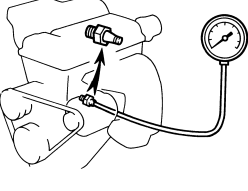

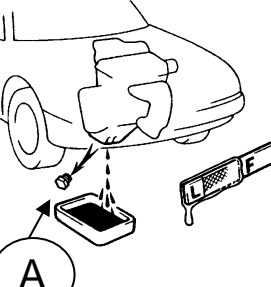
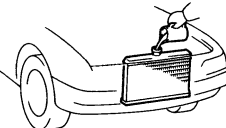
*1: Floating Type Caliper *2: Opposed Type Caliper *3: 3GR-FE, 4GR-FSE *4: 2GR-FSE *5: Solid Disc Type *6: Ventilated Disc Type *7: 16 inch Wheel

*8: 17 inch Wheel *9: 18 inch Wheel *10: Normal Suspension *11: Sports Suspension *12: Except for Argentina, Indonesia, Malaysia, Philippines, Turkey, Ukraine

*13: For Argentina, Indonesia, Malaysia, Philippines, Turkey, Ukraine

					
 <p>kPa (kgf/cm² or bar, psi)</p>	For Europe, GCC, China, Others	205/55R16 89W	310 (3.1, 45)*1 290 (2.9, 42)*2 240 (2.4, 35)*3	330 (3.3, 48)*1 310 (3.1, 45)*2 260 (2.6, 38)*3	
		225/45R17 90W	300 (3.0, 44)*1 280 (2.8, 41)*2 240 (2.4, 35)*3	-	
		245/45R17 95W	-	320 (3.2, 46)*1 300 (3.0, 44)*2 260 (2.6, 38)*3	
		For Europe	225/40R18 88Y	320 (3.2, 46)*1 300 (3.0, 44)*2 240 (2.4, 35)*3	-
			255/40R18 95Y	-	340 (3.4, 49)*1 320 (3.2, 46)*2 260 (2.6, 38)*3
			For Australia	205/55R16 89W	310 (3.1, 45)*4 240 (2.4, 35)*5
	225/45R17 90W	300 (3.0, 44)*4 240 (2.4, 35)*5		-	
	245/45R17 95W	-		320 (3.2, 46)*4 260 (2.6, 38)*5	
			225/40R18 88Y	320 (3.2, 46)*4 240 (2.4, 35)*5	-
			255/40R18 95Y	-	340 (3.4, 49)*4 260 (2.6, 38)*5

		 <p>GSE</p>		
	*6	*7		
		 		
 <p>20°C (68°F)</p>		<p>1.25 to 1.29</p>		
		2GR-FSE 3456 (210.9)	3GR-FE 2995 (182.8)	4GR-FSE 2500 (152.6)
 <p>A</p>	DENSO	FK20HBR11		
	A mm (in.)	1.0 to 1.1 (0.0394 to 0.0433)		

 <p>BTDC</p>	<p>8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected)</p>			
 <p>rpm</p>	600 to 700	700 to 800	650 to 750	
 <p>MPa (kgf/cm², psi)</p>	1.4 (14.0, 199)	1.2 (12.2, 174)	1.4 (14.0, 199)	
	0.98 (10.0, 142)	0.9 (9.2, 131)	0.98 (10.0, 142)	
	0.1 (1.0, 15)			
 <p>kPa (kgf/cm², psi)</p>	80 (0.8, 11.6)			
	6000 rpm	380 (3.9, 56)		
		 <p>GSE</p>		
 <p>A</p>		5.9 (6.2, 5.2)		
		6.3 (6.7, 5.5)		
	liters (US qts, Imp.qts)	<p>SAE 0W-20*8, 5W-20*8, 5W-30, 10W-30: API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving" or ILSAC*9 multi grade engine oil</p> <p>SAE 15W-40, 20W-50: API grade SL, SM or SN multi grade engine oil</p>		
	N·m (kgf-cm, ft-lbf)	A	40 (408, 30)	
	liters (US qts, Imp.qts)	9.1 (9.6, 8.0)		

*1: For driving at 210 km/h (131 mph) or more *2: For driving at a speed of 160 km/h (100 mph) or more and less than 210 km/h (131 mph)

*3: For driving at less than 160 km/h (100 mph) *4: For driving at 140 km/h (87 mph) or more *5: For driving at less than 140 km/h (87 mph)

*6: Initialization required. Refer to the repair manual for the initialization procedures. *7: Parking Assist Monitor System *8: For 4GR-FSE use only

*9: ILSAC: International Lubricant Standardization and Approval Committee