SDS TOYOTA Celica

ZZT230, 231

Jan. '01

		1ZZ-FE	2ZZ-GE
cm³ or CC (cu. in.)		1794 (109.5)	1796 (109.6)
mm (in.) N (kgf)		—	—
		—	—
		—	—
	DENSO	K16R-U11	SK20R11
A	NGK	BKR5EYA11	IFR6A11
A mm (in.)		1.1 (0.043)	
BTDC		8–12° (DLC3 Terminals 13(TC)-4(CG) Connected)	8–12° (DLC3 Terminals 13(TC)-4(CG) Connected)
mm (in.)		0.15–0.25 (0.006–0.010)	0.08–0.18 (0.003–0.007) (on a roller side)
		0.25–0.35 (0.010–0.014)	0.22–0.32 (0.009–0.013) (on a roller side)
rpm		650–750 (DLC Terminals 9(TAC) Connected)	750–850 (DLC Terminals 9(TAC) Connected)
CO%		0–0.5	

kPa (kgf/cm², psi)		1270 (13.0, 184)	1400 (14.3, 203)
		1000 (10.2, 145)	
		100 (1.0, 15)	110 (1.1, 16)
kPa (kgf/cm², psi)		49 (0.5, 7.1)	39.2 (0.4, 5.7)
	3,000 rpm	294–539 (3.0–5.5, 43–78)	
N·m (kgf-cm, ft-lbf)	A	① 49 (500, 36) ② 90°	① 35 (375, 26) ② 180°
	B	30 (306, 22)	Bolt A 34 (347, 25) Bolt B 46 (469, 34)
	C	37 (377, 27)	50 (510, 37)

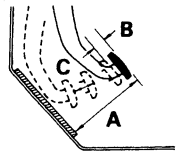
	1ZZ-FE	2ZZ-GE
liter (US qts, Imp.qts)	3.5 (3.7, 3.1)	4.2 (4.6, 3.8)
	3.7 (3.9, 3.3)	4.4 (4.8, 4.0)
	API grade SH Energy-Conserving II or SJ, Energy-Conserving or ILSAC* multigrade engine oil	
liter (US qts, Imp.qts)	5.7 (6.0, 5.0)	5.9 (6.2, 5.2)
	—	5.8 (6.1, 5.1)

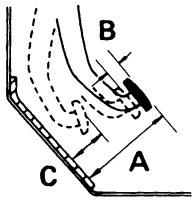
Printed in Japan [I] *ILSAC: International Lubricant Standardization and Approval Committee

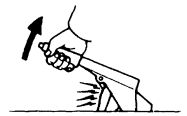
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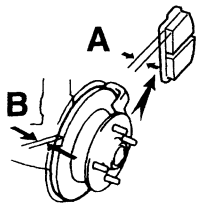
Celica ZZT230 – *0070218~*, ZZT231 – *0036379~*

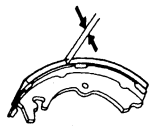
TOYOTA QUALITY SERVICE

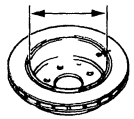
			
A	※1	136.9–146.9 (5.390–5.783)	147.1–157.1 (5.791–6.185)
	※2	135.6–145.6 (5.339–5.732)	145.8–155.8 (5.740–6.133)
B		5–15 (0.197–0.590)	
C		⬆ 25 (0.98)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	

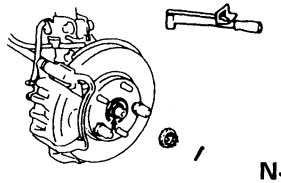
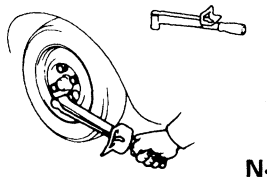
			
A	※1	141.1–151.1 (5.55–5.95)	138.6–148.6 (5.45–5.85)
	※2	139.8–149.8 (5.50–5.89)	139.9–149.9 (5.50–5.89)
B		1–6 (0.04–0.24)	
C		⬆ 85 (3.3)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	

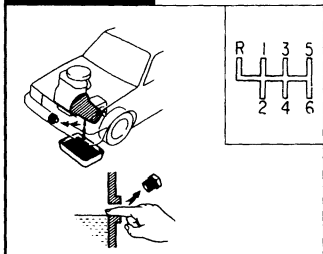
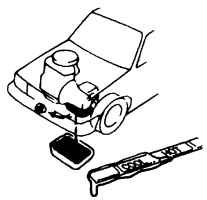
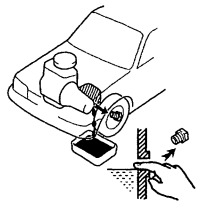
	
196 N (20 kgf, 44.1 lbf)	7–8

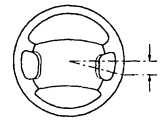
		
A	A	⬆ 1.0 (0.039)
B	B	
mm (in.)		⬆ 23.0 (0.906) / ⬆ 7.5 (0.295)

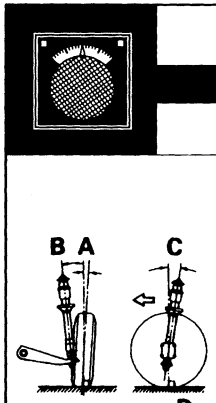
	
mm (in.)	⬆ 1.0 (0.39)

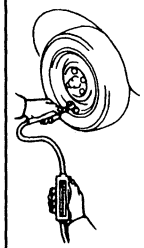
	
mm (in.)	⬇ 174 (6.850)

	ZZT
	216 (2200, 159)
N·m (kgf·cm, ft·lbf)	
	103 (1050, 76)
N·m (kgf·cm, ft·lbf)	

	ZZT
	2.3 (2.4, 2.0)
liter (US qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90
	4.0 (4.2, 3.5)
liter (US qts, Imp. qts)	ATF TYPE T-IV
	—
liter (US qts, Imp. qts)	

	ZZT
	⬇ 30 (1.18)
mm (in.)	

			195/60R15	205/50R16
A	※3		−0°25′±45′ (−0.42°±0.75°)	−0°26′±45′ (−0.43°±0.75°)
	※4		−0°23′±45′ (−2.00°±0.75°)	−0°58′±45′ (−0.97°±0.75°)
B	※3		13°04′±45′ (13.07°±0.75°)	13°07′±45′ (13.12°±0.75°)
	※4		13°02′±45′ (13.03°±0.75°)	
C	※3		2°08′±45′ (2.13°±0.75°)	2°05′±45′ (2.08°±0.75°)
	※4		2°00′±45′ (2.00°±0.75°)	
D	※3		38°46′±2° (38.77°±2°)	38°42′±2° (38.70°±2°)
	※4		38°48′±2° (38.80°±2°)	
E+F			0°±12′ (0°±0.2°)	0°18′±12′ (0.3°±0.2°)
G–H mm (in.)			0±2 (0±0.08)	3±2 (0.12±0.08)

		km/h (mph)		
			2×	4×
kPa (kgf/cm² or bar, psi)	Australia	205/55R15 87V 205/50R16 87V	⬇ 140	220 (2.2, 32)
			⬆ 140	270 (2.7, 39)
	Europe	195/60R15 88V	⬇ 160	210 (2.1, 30)
			⬆ 160	260 (2.6, 38)
		205/50R16 87V	⬇ 160	220 (2.2, 32)
			⬆ 160	270 (2.7, 39)
		205/55R15 87V 205/50R16 87V	⬇ 160	220 (2.2, 32)
			⬆ 160	270 (2.7, 39)

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※1: Sport pedal ※2: Standard pedal ※3: Europe ※4: Others

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