SDS TOYOTA Celica

ZZT230, 231

Jan. '02

		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% ※1		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 SJ "Energy-Conserving", SL "Energy-Conserving" or ILSAC*2 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)

*1 In the 2 mode (2,500 rpm and idle) test, follow the measurement order prescibed by the applicable local regulations.
*2 ILSAC: International Lubricant Standardization and Approval Committee

Printed in Japan [I]

TOYOTA MOTOR CORPORATION

Pub. No. SDS457E

Celica

ZZT230 – *0111648~*, ZZT231 – *0052229~*

TOYOTA QUALITY SERVICE

		ZZT	ZZT
A	※1	136.9–146.9 (5.390–5.783)	147.1–157.1 (5.791–6.185)
A	※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	

		ZZT	ZZT
A	※1	141.1–151.1 (5.56–5.95)	139.9–149.9 (5.51–5.91)
A	※2	139.8–149.8 (5.50–5.90)	138.6–148.6 (5.46–5.85)
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		↑ 1.0 (0.039)	
B		↑ 23.0 (0.906)	↑ 7.5 (0.295)
mm (in.)		↑ 1.0 (0.39)	
mm (in.)		↓ 174 (6.850)	

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

	ZZT
liter (US qts, Imp. qts)	2.3 (2.4, 2.0)
liter (US qts, Imp. qts)	API GL-4 or GL-5 SAE 75W-90
liter (US qts, Imp. qts)	4.1 (4.3, 3.6)
liter (US qts, Imp. qts)	ATF TYPE T-IV
liter (US qts, Imp. qts)	———

	ZZT
mm (in.)	↓ 30 (1.18)

		195/60R15 205/55R15	205/50R16	
A	※3	–0°25′±45′ (–0.42°±0.75°)	–0°26′±45′ (–0.43°±0.75°)	–1°05′±45′ (–1.08°±0.75°)
A	※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°)	———
B	※4	13°02′±45′ (13.03°±0.75°)		
C	※3	2°08′±45′ (2.13°±0.75°)	2°05′±45′ (2.08°±0.75°)	———
C	※4	2°00′±45′ (2.00°±0.75°)		
D	※3	38°46′±2° (38.77°±2°)	38°42′±2° (38.70°±2°)	———
D	※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
Europe	195/60R15 88V	↓ 160	210 (2.1, 30)	
Europe	195/60R15 88V	↑ 160	260 (2.6, 38)	
Europe	205/55R15 87V 205/50R16 87V	↓ 160	220 (2.2, 32)	
Europe	205/55R15 87V 205/50R16 87V	↑ 160	270 (2.7, 39)	
Others	205/55R15 87V 205/50R16 87V	↓ 140	220 (2.2, 32)	
Others	205/55R15 87V 205/50R16 87V	↑ 140	270 (2.7, 39)	

kPa (kgf/cm² or bar, psi)

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

Overseas Service Division: 01-020128-00