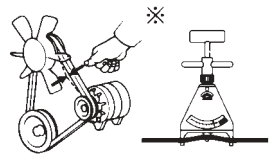
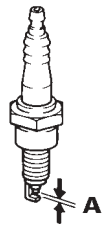
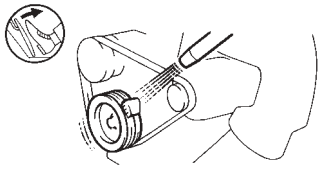
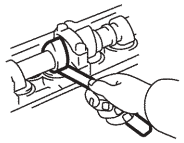
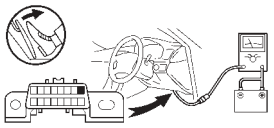
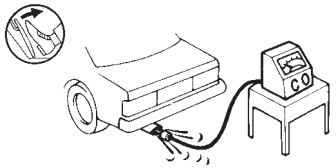
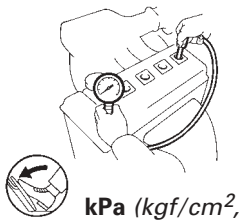
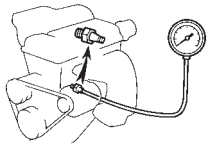
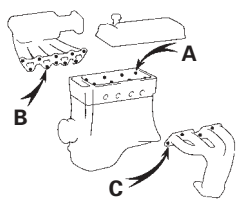
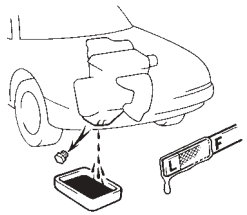
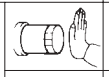
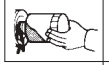
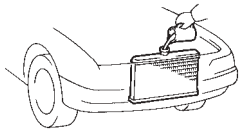
SDS TOYOTA Camry

ACV30, 31, MCV30 — Jan. '04

		1AZ-FE	2AZ-FE	1MZ-FE
	cm³ or CC *(cu. in.)*	1998 *(121.9)*	2362 *(144.1)*	2995 *(182.8)*
 mm *(in.)* N *(kgf)*		———	———	11 – 13.5 *(0.43 – 0.53)* ※ 294 – 490 *(30 – 50)*
		———	———	11 – 14 *(0.43 – 0.55)* ※ 323 – 519 *(33 – 53)*
	DENSO	SK20R11		
	NGK	IFR6A11		
	A mm *(in.)*	1.1 *(0.043)*		
 BTDC		8 – 12° (DLC3 Terminals 13 (TC) – 4 (CG) Connected)		
 mm *(in.)*		0.19 – 0.29 *(0.007 – 0.011)*		0.15 – 0.25 *(0.006 – 0.010)*
		0.30 – 0.40 *(0.012 – 0.016)*		0.25 – 0.35 *(0.010 – 0.014)*
 DLC3 Terminal 9 (TAC) Connected rpm		———	650 – 750	———
		620 – 720	610 – 710	550 – 650
 CO%		0 – 0.5		

 kPa *(kgf/cm², psi)*		1300 *(13.3, 189)*	1470 *(15.0, 213)*
		↑ 1000 *(10.2, 145)*	↑ 980 *(10.0, 142)*
		↓ 100 *(1.0, 15)*	
 kPa *(kgf/cm², psi)*		↑ 29 *(0.3, 4.3)*	
	3,000 rpm	245 – 539 *(2.5 – 5.5, 36 – 78)*	
 N·m *(kgf-cm, ft-lbf)*	A	① 79 *(806, 58)* ② 90°	① 54 *(550, 40)* ② 90°
	B	30 *(306, 12)*	15 *(153, 11)*
	C	37 *(378, 27)*	49 *(500, 36)*

		1AZ-FE	2AZ-FE	1MZ-FE
 liter *(US qts, Imp. qts)*		※ Others	3.6 *(3.8, 3.2)* 4.1 *(4.3, 3.6)*	4.5 *(4.8, 4.0)*
		※ Others	3.8 *(4.0, 3.3)* 4.3 *(4.5, 3.8)*	4.7 *(5.0, 4.1)*
		20W-50 and 15W-40– API grade SJ or SL multigrade engine oil 10W-30 and 5W-30– API grade SJ "Energy–Conserving", SL "Energy-Conserving" or ILSAC* multigrade engine oil		
 liter *(US qts, Imp. qts)*		6.2 *(6.6, 5.5)*		9.2 *(9.7, 8.1)*

Printed in Japan [I]

* ILSAC: International Lubricant Standardization and Approval Committee
※ Taiwan, Thailand, Indonesia, Malaysia, the Philippines, Vietnam, Singapore

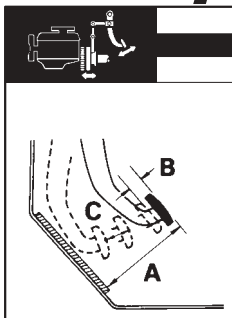
TOYOTA MOTOR CORPORATION

Pub. No. SDS477E

Camry

ACV30 – *0248478* ~ ACV31 – *0008195* ~
MCV30 – *0152354* ~ , *5042276* ~ , *6022070* ~

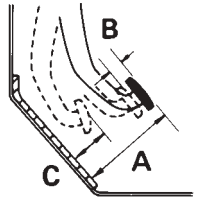
TOYOTA QUALITY SERVICE



A	159 – 169 *(6.260 – 6.654)*	172.9 – 182.9 *(6.807 – 7.200)*
B	5 – 15 *(0.20 – 0.59)*	
C	⬆ 25 *(0.98)*	

mm *(in.)*

SAE J1703 or FMVSS No. 116 DOT3

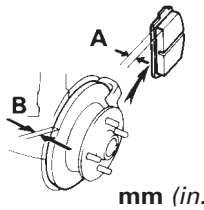


A	144.1 – 154.1 *(5.673 – 6.067)*	147.7 – 157.7 *(5.815 – 6.209)*
B	1 – 6 *(0.04 – 0.24)*	
C※1	⬆ 63 *(2.5)*	⬆ 70 *(2.8)*

mm *(in.)*

SAE J1703 or FMVSS No. 116 DOT3

196 N *(20 kgf, 44.1 lbf)*	6 – 9
300 N *(31 kgf, 67 lbf)*	3 – 6



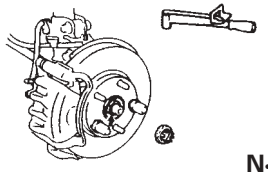
A	⬆ 1.0 *(0.039)*	
B	⬆ 26.0 *(1.024)*	⬆ 8.5 *(0.335)*

mm *(in.)*

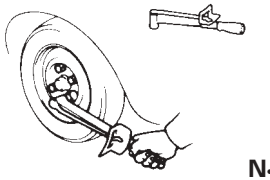
mm *(in.)* ⬆ 1.0 *(0.039)*

mm *(in.)* ⬇ 171.0 *(6.732)*

ACV, MCV

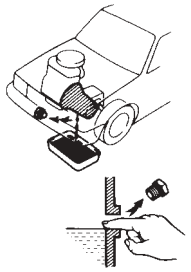


N·m *(kgf-cm, ft-lbf)* 294 *(3000, 217)*



N·m *(kgf-cm, ft-lbf)* 103 *(1050, 77)*

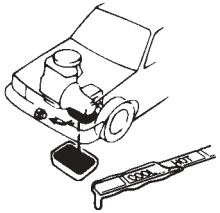
ACV, MCV





ACV	2.5 *(2.6, 2.2)*
MCV	——

liter *(US qts, Imp. qts)* **API GL-4 or GL-5 SAE 75W-90**

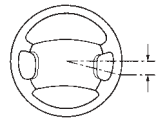




3.5 *(3.7, 3.1)*

liter *(US qts, Imp. qts)* **Toyota Genuine ATF TYPE T-IV**

ACV, MCV

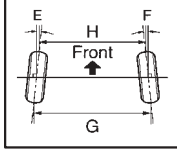


mm *(in.)* ⬇ 30 *(1.18)*

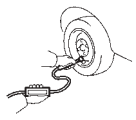




A	HI UP	–0°29′±45′ *(–0.48°±0.75°)*	–1°00′±45′ *(–1.00°±0.75°)*
	Except HI UP	–0°40′±45′ *(–0.67°±0.75°)*	–1°13′±45′ *(–1.22°±0.75°)*
B	HI UP	10°57′ *(10.95°)*	——
	Except HI UP	11°20′ *(11.33°)*	——
C	ACV 15 inch	2°34′±45′ *(2.57°±0.75°)*	——
	ACV 16 inch	2°32′±45′ *(2.53°±0.75°)*	——
	MCV	2°30′±45′ *(2.5°±0.75°)*	——
	HI UP 15 inch	2°27′±45′ *(2.45°±0.75°)*	——
	HI UP 16 inch	2°25′±45′ *(2.41°±0.75°)*	——
D	ACV 15 inch	39°13′±2° *(39.22°±2°)*	——
	ACV 16 inch	36°46′±2° *(36.77°±2°)*	——
	MCV	36°53′±2° *(36.88°±2°)*	——
	HI UP 15 inch	39°38′±2° *(39.63°±2°)*	——
	HI UP 16 inch	37°07′±2° *(37.12°±2°)*	——



E+F	0°±12′ *(0°±0.2°)*	0°22′±11′ *(0.4°±0.2°)*
G–H mm *(in.)*	0±2 *(0±0.08)*	4±2 *(0.16±0.08)*



kPa *(kgf/cm²* or bar, psi)

160 km / h=100 mph 210 km / h=130 mph		×5	×4
205/65R15 94H		200 *(2.0, 28)*	
215/60R16 95H		210 *(2.1, 30)*	
	※2	200 *(2.0, 28)*	
205/65R15 94V	⬆ 210 km / h	280 *(2.8, 41)*	260 *(2.6, 38)*
	⬇ 210 km / h	260 *(2.6, 38)*	230 *(2.3, 33)*
	※2	200 *(2.0, 28)*	
215/60R16 95V	⬆ 210 km / h	290 *(2.9, 42)*	2AZ-FE 260 *(2.6, 38)* 1MZ-FE 280 *(2.8, 41)*
	⬇ 210 km / h ⬆ 160 km / h	260 *(2.6, 38)*	2AZ-FE 230 *(2.3, 33)* 1MZ-FE 250 *(2.5, 36)*
	⬇ 160 km / h	2AZ-FE 210 *(2.1, 30)* 1MZ-FE 230 *(2.3, 33)*	2AZ-FE 210 *(2.1, 30)* 1MZ-FE 230 *(2.3, 33)*
	※2	200 *(2.0, 28)*	

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※1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
※2 Taiwan, Thailand, Indonesia, Malaysia, the Philippines, Vietnam, Singapore

Overseas Customer Service Technical Division: 01-040127-00