SDS TOYOTA Camry

ACV30, 31, MCV30 — Jan. '03

		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)*
		——	——	10 – 12 *(0.39 – 0.47)* ※ 323 – 519 *(33 – 53)*
A	**DENSO**	SK20R11		
	NGK	IFR6A11		
	A **mm** *(in.)*	1.1 *(0.043)*		
BTDC		8 – 12° (DLC3 Terminals 13 (TC) – 4 (CG) Connected)		
mm *(in.)*	H, C	0.19 – 0.29 *(0.007 – 0.011)*		0.15 – 0.25 *(0.006 – 0.010)*
	H, C	0.30 – 0.40 *(0.012 – 0.016)*		0.25 – 0.35 *(0.010 – 0.014)*
DLC3 Terminal 9 (TAC) Connected **rpm**	1 3 5 / 2 4 R	——	650 – 750	——
	H, C	610 – 710	610 – 710	550 – 650
CO%	H, C	0 – 0.5		

kPa *(kgf/cm², psi)*		1360 *(13.9, 198)*	1470 *(15.0, 213)*
		⬆ 980 *(10.0, 142)*	
		⬇ 100 *(1.0, 15)*	
kPa *(kgf/cm², psi)*		⬆ 29 *(0.3, 4.3)*	
	3,000 rpm, H, C	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)*	※1 Others	3.6 *(3.8, 3.2)* 4.1 *(4.3, 3.6)*	4.5 *(4.8, 4.0)*
	※1 Others	3.8 *(4.0, 3.3)* 4.3 *(4.5, 3.8)*	4.7 *(5.0, 4.1)*
	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]

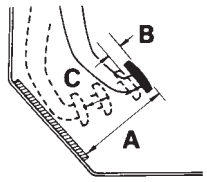
* ILSAC: International Lubricant Standardization and Approval Committee
※1 Taiwan, Thailand, Indonesia, Malaysia, the Philippines, Vietnam, Singapore

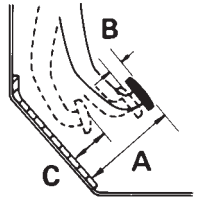
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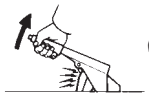
Camry

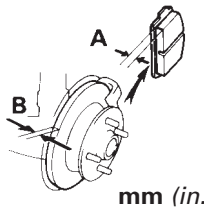
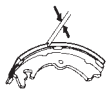
ACV30 – *0138151* ~ ACV31 – *0005228* ~
MCV30 – *0087130* ~

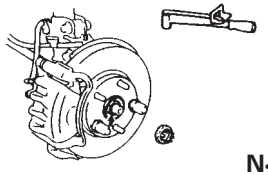
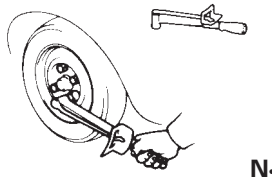
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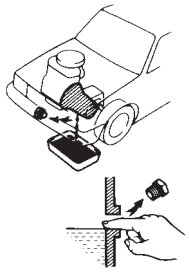
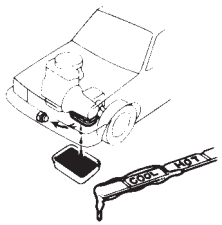
	A	159 – 169 *(6.260 – 6.654)*	172.9 – 182.9 *(6.807 – 7.200)*
	B	5 – 15 *(0.20 – 0.59)*	
	C	↑ 25 *(0.98)*	
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	

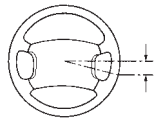
	A	144.1 – 154.1 *(5.673 – 6.067)*	147.7 – 157.7 *(5.815 – 6.209)*
	B	1 – 6 *(0.04 – 0.24)*	
	C	↑ 63 *(2.5)*	↑ 70 *(2.8)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	

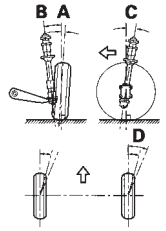
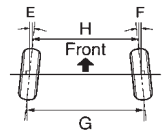
 **196 N** *(20 kgf, 44.1 lbf)*	6 – 9
 **300 N** *(31 kgf, 67 lbf)*	3 – 6

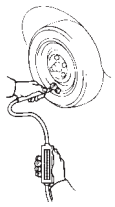
	A	↑ 1.0 *(0.039)*
	B	
mm *(in.)*		↑ 26.0 *(1.024)* / ↑ 8.5 *(0.335)*
 mm *(in.)*		↑ 1.0 *(0.039)*
 mm *(in.)*		↓ 171.0 *(6.732)*

	ACV, MCV
 **N·m** *(kgf-cm, ft-lbf)*	294 *(3000, 217)*
 **N·m** *(kgf-cm, ft-lbf)*	103 *(1050, 77)*

		ACV, MCV
 **liter** *(US qts, Imp. qts)*	ACV	2.5 *(2.6, 2.2)*
	MCV	——
		API GL-4 or GL-5 SAE 75W-90
 **liter** *(US qts, Imp. qts)*		3.5 *(3.7, 3.1)*
		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)*

	160 km / h=100 mph 210 km / h=130 mph			
	205 / 65R15 94H 215 / 60R16 95H		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)*
	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)*
kPa *(kgf/cm²* or bar, psi)		↓ 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)*

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