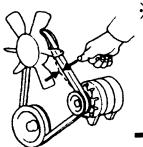


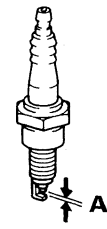
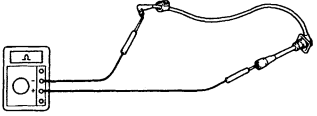
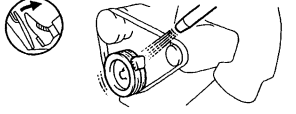
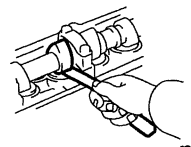


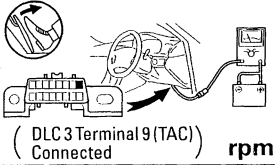


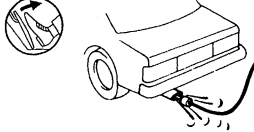
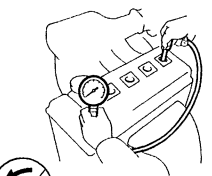


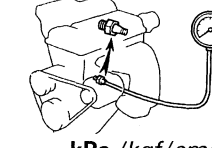


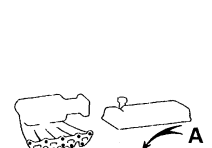

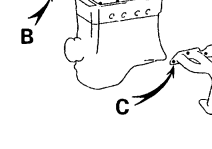

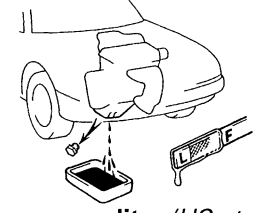

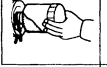
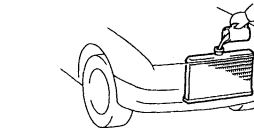
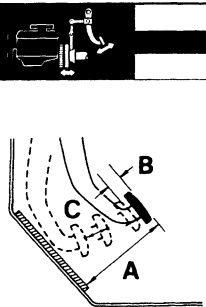


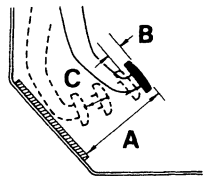


		1AZ-FE	2AZ-FE	1MZ-FE
cm ³ or CC (cu. in.)		1998 (121.9)	2362 (144.1)	2995 (182.8)
		—	—	11–13.5 (0.43–0.53) ※ 294–490 (30–50)
		—	—	10–12 (0.39–0.47) ※ 323–519 (33–53)
mm (in.)	N (kgf)			
	DENSO	SK20R11		
	NGK	IFR6A11		
	A mm (in.)	1.1 (0.043)		
	kΩ	—		
	BTDC	8–12° (DLC3 Terminals 13 (TC)–4 (CG) Connected)		
		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)	
		—	650–750	—
		610–710	610–710	550–650
	CO%	0–0.5		

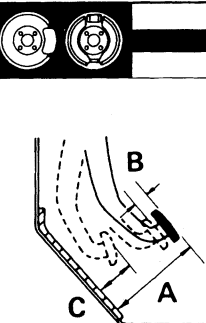



ACV30, 31, MCV30



Aug. '01

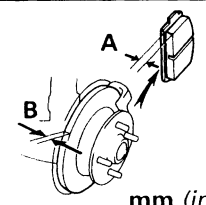

		1360 (13.9, 198)	1470 (15.0, 213)
		980 (10.0, 142)	
		100 (1.0, 15)	
		29 (0.3, 4.3)	
	3,000 rpm	245–539 (2.5–5.5, 36–78)	
			
	A	79 (806, 58) 90°	54 (550, 40) 90°
	B	30 (306, 12)	15 (153, 11)
	C	37 (378, 27)	49 (500, 36)



		1AZ-FE	2AZ-FE	1MZ-FE
		4.1 (4.3, 3.6)		4.5 (4.8, 4.0)
		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				
		6.2 (6.6, 5.5)		9.2 (9.7, 8.1)

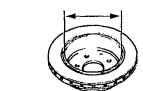
			
	A	159–169 (6.260–6.654)	165.9–175.9 (6.532–6.925)
	B	5–15 (0.20–0.59)	
	C	 25 (0.98)	
mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3	

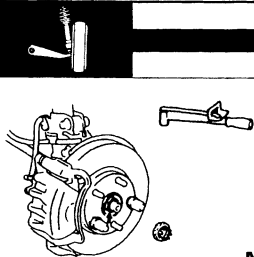
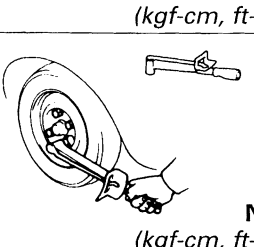
			
A	144.1–154.1 (5.673–6.067)		
B	1–6 (0.04–0.24)		
C	↑ 63 (2.5)	↑ 70 (2.8)	
mm (in.)  SAE J1703 or FMVSS No. 116 DOT3			

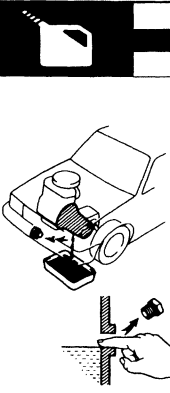
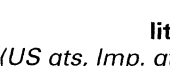



	196 N (20 kgf, 44.1 lbf)	6–9	
	300 N (31 kgf, 67 lbf)	3–6	

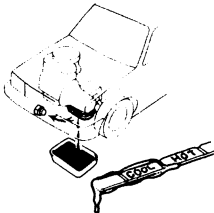

	A	↑ 1.0 (0.039)		
	B	↑ 26.0 (1.024)	↑ 10.5 (0.413)	
mm (in.)				




	 1.0 (0.039)
mm (in.)	



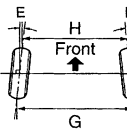
	↓ 171.0 (6.732)			
mm (in.)				




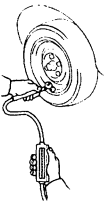






		ACV, MCV	
		294 (3000, 217)	
		N·m (kgf-cm, ft-lbf)	

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

		ACV	3.9 (4.1, 3.4)
		MCV	3.5 (3.7, 3.1)
			ATF TYPE T-IV
liter (US qts, Imp. qts)			

	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°)
	HI UP	10°57' (10.95°)	—
	Except HI UP	11°20' (11.33°)	—
B	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°)	—
C	HI UP 16 inch	2°25'±45' (2.41°±0.75°)	—
	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°)	—
D	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	0±2 (0±0.08)	4±2 (0.16±0.08)
		mm (in.)	

				
	160 km / h=100 mph 210 km / h=130 mph			
	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	260 (2.6, 38)	2AZ-FE 230 (2.3, 33) 1MZ-FE
		 160 km / h		250 (2.5, 36)
		 160 km / h		2AZ-FE 210 (2.1, 30) 1MZ-FE 230 (2.3, 33)
kPa (kgf/cm ² or bar, psi)				