SDS TOYOTA KLUGER MCU28 Sep. '03

	3MZ-FE
cm³ or CC (cu. in.)	3311 (201.9)
mm (in.) N (kgf)	—
	11–13.5 (0.43–0.53) ※392–588 (40–60)
	11–14.0 (0.43–0.55) ※350–490 (35–50)
DENSO	SK20R11
NGK	IFR6A11
A mm (in.)	1.1 (0.043)
BTDC	8–12° (DLC3 Terminal 13(TC) – 4(CG) connected)
mm (in.)	0.15–0.25 (0.006–0.010)
	0.25–0.35 (0.010–0.014)
rpm	650–750 (DLC3 Terminals 9 (TAC) Connected)
CO%	0.5*1

kPa (kgf/cm², psi)		1500 (15.3, 218)
		1000 (10.2, 145)
		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	①54 (550, 40) ②90° Recessed Head Bolt 18.5 (185, 13)
	B	15 (150, 11)
	C	49 (500, 36)

	3MZ-FE
liter (US qts, Imp. qts)	4.5 (4.8, 4.0)
	4.7 (5.0, 4.1)
	API grade SJ "Energy-Conserving", SL "Energy-Conserving" or ILSAC* multigrade engine oil
liter (US qts, Imp. qts)	w/Rear Heater 11.4 (12.0, 10.0) w/o Rear Heater 10.1 (10.7, 8.9)

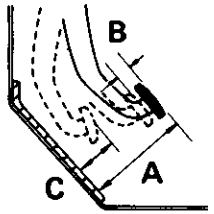
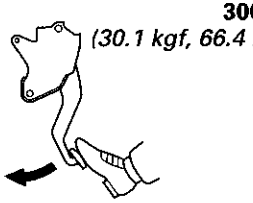
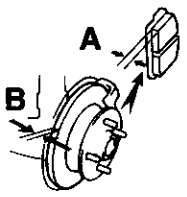
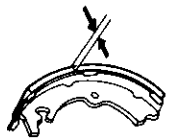
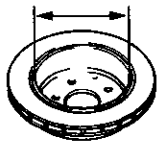
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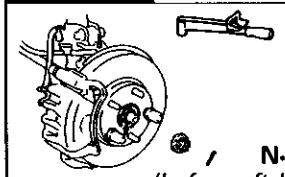
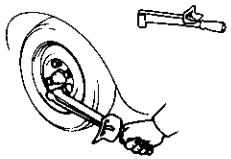
* ILSAC: International Lubricant Standardization and Approval Committee
*1 In the 2 mode (2,500 rpm and idle) test, follow the measurement order prescribed by the applicable local regulations.

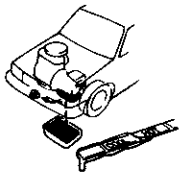
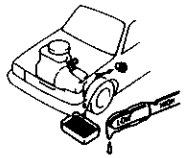
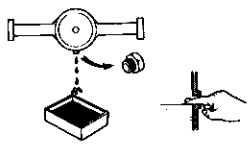
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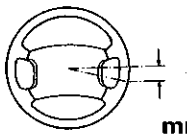
KLUGER

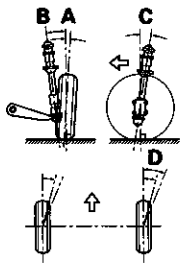
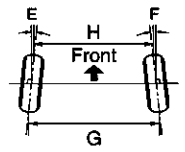
TOYOTA QUALITY SERVICE

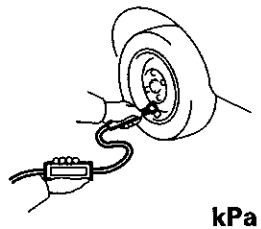
 mm (in.)	A	160.0–170.0 (6.299–6.693)
	B	2–3 (0.079–0.118)
	C	⬆ 92 (3.60)
		SAE J1703 or FMVSS No. 116 DOT3
 300 N (30.1 kgf, 66.4 lbf)		5–7
 mm (in.)	A	⬆ 1.0 (0.039)
	B	⬆ 26.0 (1.024) / ⬆ 8.5 (0.335)
 mm (in.)		⬆ 1.0 (0.039)
 mm (in.)		⬇ 191 (7.52)

 N·m (kgf·cm, ft·lbf)	294 (3000, 217)
 N·m (kgf·cm, ft·lbf)	103 (1050, 76)

	MCU
 liter (US qts, Imp. qts)	3.5 (3.7, 3.1)
	ATF TYPE T-IV
 liter (US qts, Imp. qts)	0.9 (1.0, 0.8)
	Hypoid gear oil, API GL-5 SAE 90 (⬆ –18°C (0°F)) SAE 80W or 80W-90 (⬇ –18°C (0°F))
 liter (US qts, Imp. qts)	0.9 (1.0, 0.8)
	Hypoid gear oil, API GL-5 SAE 90 (⬆ –18°C (0°F)) SAE 80W or 80W-90 (⬇ –18°C (0°F))

	MCU
 mm (in.)	⬇ 30 (1.18)

	A	–0°35'±45' (–0.58°±0.75°)	–0°45'±45' (–0.75°±0.75°)
	B	10°35'±45' (2.75°±0.75°)	——
	C	2°45'±45' (2.75°±0.75°)	——
	D	35°41'±2° (35.68°±2°)	——
	E+F	0°±10' (0°±0.16°)	0°18'±2' (0.3°±0.2°)
	G–H mm (in.)	0±2 (0±0.08)	3±2 (0.12±0.08)

 kPa (kgf/cm² or bar, psi)	225/70R 16 102S	210 (2.1, 30)
	225/65R 17 101S	210 (2.1, 30)

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