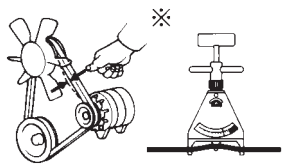
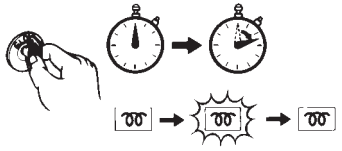
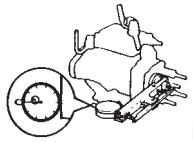
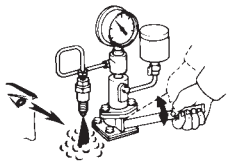
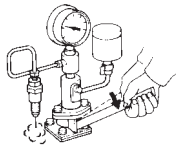
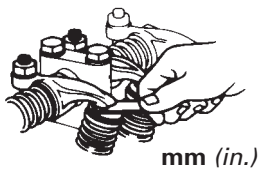
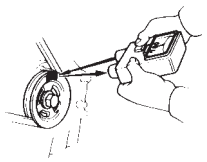
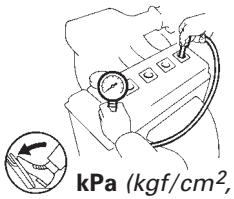
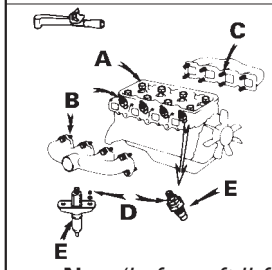
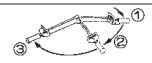
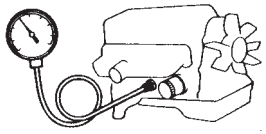
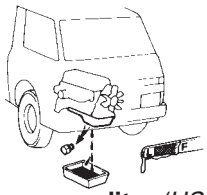
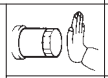
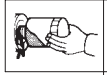
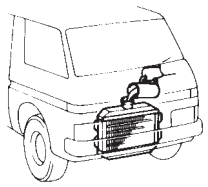
SDS TOYOTA Coaster Diesel

BB42, 50, 58, 59
HZB50

Jan. '03

		14B	15B–FT	15B–FTE	1HZ
	cm³ or CC *(cu. in.)*	3661 *(223.4)*	4104 *(250.4)*		4164 *(254.1)*
 mm *(in.)* N *(kgf)*		11–16 *(0.43–0.63)* ※245–441 *(25–45)* (Single belt type) 14–20 *(0.55–0.79)* ※196–392 *(20–40)* (Double belt type)	14–20 *(0.55–0.79)*		8–11 *(0.31–0.43)*
		11–15 *(0.43–0.59)* ※147–343 *(15–35)*			11–13 *(0.43–0.51)* ※539–735 *(55–75)*
 Ω	20°C *(68°F)*	—			12V 0.75 / 24V 3.10
 secs	20°C *(68°F)*	—	Hong Kong 0.5	With intake heater 0.5	12V 5.1–6.9 / 24V A/T, ※1 1.0 M/T, G.C.C., ※2 4.25–5.75
 mm *(in.)*		1.31–1.37 *(0.0516–0.0539)*	3.7–3.8 *(0.1455–0.1494)*	—	0.65–0.71※3 *(0.0256–0.0280)* 0.85–0.91※4 *(0.0335–0.0358)*
		○ × × × (14B, 15B–FT, 15B–FTE)		○ × × × (1HZ)	
 kPa *(kgf/cm², psi)*		17652–20594 *(180–210, 2560–2987)*	16180–18630 *(165–190, 2350–2700)*	17162–18142 *(175–185, 2489–2632)*	14220–15200 *(145–155, 2062–2205)*
		19613–20594 *(200–210, 2845–2987)*	17650–18630 *(180–190, 2560–2700)*		14710–15690 *(150–160, 2133–2276)*
 mm *(in.)*		0.20 *(0.008)*			0.15–0.25 *(0.006–0.010)*
		0.36 *(0.014)*			0.35–0.45 *(0.014–0.018)*

 rpm		600–700	650–750	600–700	600–700
		—			660–760
		4050–4250	3800–4000	Taiwan 3750–3950 Others 3500–3700	4500–4700
 kPa *(kgf/cm², psi)*		2942 *(30.0, 427)*	3138 *(32.0, 455)*	3000 *(31.0, 441)*	3628 *(37.0, 526)*
		↑ 1961 *(20.0, 284)*		↑ 1960 *(20.0, 284)*	↑ 2648 *(27.0, 384)*
		↓ 196 *(2.0, 28)*			↓ 490 *(5.0, 71)*
 N·m *(kgf·cm, ft·lbf)*	A	 ① 49 *(500, 36)* ② 90° ③ 90°			 ① 68.6 *(700, 51)* ② 90° ③ 90°
	B	18.5 *(189, 14)*			19.6 *(200, 14)*
	C	47.5 *(48.5, 35)*	44.1 *(450, 33)*		41.7 *(425, 31)*
	D	18 *(185, 13)*	21 *(214, 15.5)*		63.7 *(650, 47)*
	E	29 *(300, 22)*			46.6 *(479, 35)*
 kPa *(kgf/cm², psi)*		↑ 29 *(0.3, 4.3)*			
	3,000 rpm 	245–588 *(2.5–6.0, 36–85)*			

		14B	15B–FT	15B–FTE	1HZ
 liter *(US qts, Imp. qts)*		7.8 *(8.2, 6.9)*			8.5 *(9.0, 7.5)*
		8.6 *(9.1, 7.6)*			9.8 *(10.4, 8.6)*
		Use API CF-4 or CF (You may also use API CE or CD.)			
 liter *(US qts, Imp. qts)*	Australia	—	—	17.8 *(18.8, 15.7)*	—
	Others	w/ Front Heater 14.2 *(15.0, 12.5)* w/ Front and Rear Heaters 15.0 *(15.9, 13.2)* 16.3 *(17.2, 14.3)*※1 w/o Front and Rear Heaters 11.8 *(12.5, 10.4)*	w/ Front Heater 15.0 *(15.9, 13.9)* w/ Front and Rear Heaters 17.8 *(18.8, 15.7)* w/o Front and Rear Heaters 13.9 *(14.7, 12.2)*		w/ Front Heater 15.9 *(16.8, 14.0)* w/ Front and Rear Heaters 16.9 *(17.9, 14.9)* 18.2 *(19.2, 16.0)*※1 w/o Front and Rear Heaters 14.0 *(14.8, 12.3)*

Printed in Japan [I]

※1: Vehicles with cold weather package. ※2: Vehicles without cold weather package
※3: w/ACSD ※4: w/o ACSD

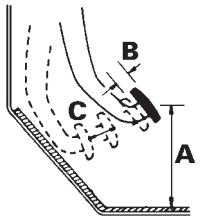
TOYOTA MOTOR CORPORATION

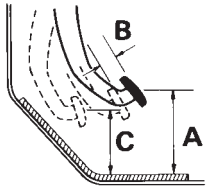
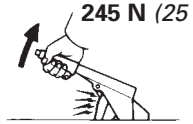
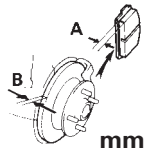
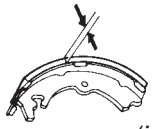
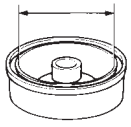
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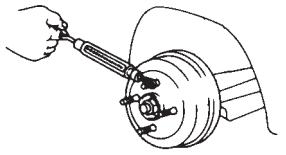
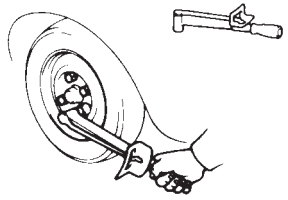
Coaster Diesel

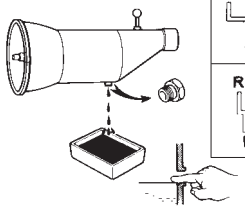
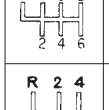
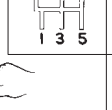
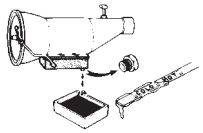
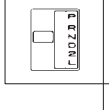
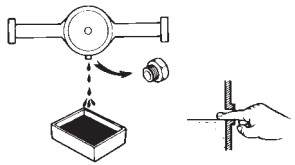
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BB58 – *5000862~*, BB59 – *0001262~* HZB50 – *1005513~*

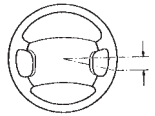
TOYOTA QUALITY SERVICE

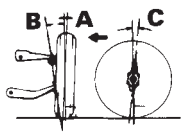
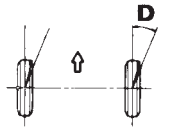
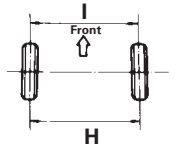
		BB • HZB
	A	EX Grade 161.8–171.8 *(6.370–6.764)* Others 164.8–174.8 *(6.488–6.882)*
	B	15B–FT, 15B–FTE 10–25 *(0.4–1.0)* Others 5–15 *(0.2–0.6)*
	C	⬆ 25 *(0.98)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**

		BB • HZB
	A	EX Grade 169.2–179.2 *(6.661–7.055)* Others 172.2–182.2 *(6.780–7.173)*
	B	1–6 *(0.04–0.24)*
	C	w/ Front drum brake 50 *(2.0)* w/ Front disc brake 45 *(1.8)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**
245 N *(25 kgf, 55 lbf)* 		6–8
 mm *(in.)*	A	Europe ⬆ 3.0 *(0.118)* Others ⬆ 1.0 *(0.039)*
	B	⬆ 33.0 *(1.299)*
 mm *(in.)*		⬆ 1.5 *(0.059)*
		⬆ 4.2 *(0.165)*
 mm *(in.)*		6.3 in. ⬇ 161 *(6.34)*
		7.9 in. ⬇ 201 *(7.91)*
		⬇ 322 *(12.68)*

 **N** *(kgf, lbf)*	4.9–14.2 *(0.5–1.4 1.1–3.1)*	10–29 *(1.0–3.0 2.2–6.6)*
 **N·m** *(kgf·cm, ft·lbf)*	515 *(5250, 380)*	

	BB	HZB
 **liter** *(US qts, Imp. qts)* 	4.2 *(4.4, 3.7)*	
	w/ cooler 3.9 *(4.1, 3.4)* w/o cooler 3.2 *(3.4, 2.8)*	
	API GL–4 or GL–5 SAE 75W–90	
 **liter** *(US qts, Imp. qts)* 	——	
	——	
 **liter** *(US qts, Imp. qts)*	3.8 *(4.0, 3.3)*	
	Hypoid gear oil API GL–5 SAE 90 (⬆ –18°C *(0°F)*) **SAE 80W or 80W–90** (⬇ –18°C *(0°F)*)	

	BB • HZB
 mm *(in.)*	⬇ 40 *(1.57)*

		BB • HZB
	A	0°±30′ *(0°±0.5°)*
	B	13°00′ *(13°)*
	C	4°30′±30′ *(4.5°±0.5°)*
	D	43°00′–46°00′ (43°–46°) (BB59R) 37°30′–40°30′ (37.5°–40.5°) (Others)
	H–I mm *(in.)*	2.5±1 *(0.98±0.39)* (Tire Size 6.50R16, 215/70R 17.5) 3.5±1 *(0.138±0.039)* (Tire Size 7.00R16)

	6.50R16–10PRLT		550 *(5.50, 80)*	475 *(4.75, 69)*
	7.00R16–10PRLT	BB50 HZB50	525 *(5.25, 76)*	300 *(3.00, 44)*
		BB42	GCC 500 *(5.00, 73)* Other 475 *(4.75, 69)*	GCC 375 *(3.75, 54)* Other 375 *(3.75, 54)*
kPa *(kgf/cm²,* psi)	215/70R17.5 118/116 LLT	BB58 BB59	525 *(5.25, 76)*	325 *(3.25, 47)*
		BB50	600 *(6.00, 87)*	350 *(3.50, 51)*
	7.00R16–12PRLT		Australia 550 *(5.50, 80)* Others 600 *(6.00, 87)*	Australia 300 *(3.00, 44)* Others 375 *(3.75, 54)*

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*1: See "Model Code" (page vi in the beginning of owner's manual pub. No. OM36577E) if you are not sure of which model your vehicle is.
*2: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qater, Kuwait