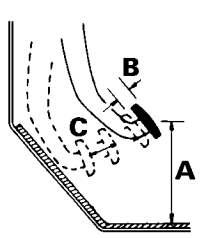
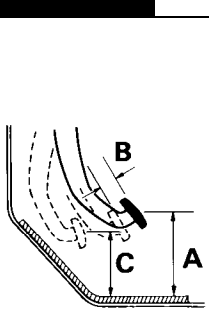
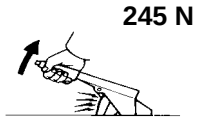
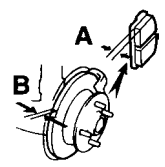
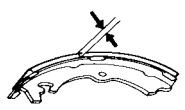
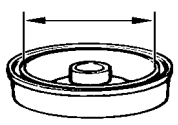
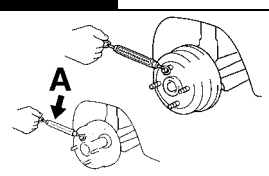
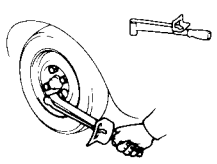
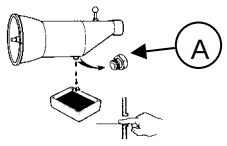
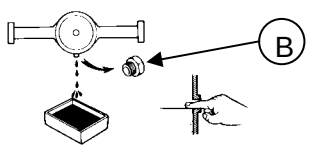
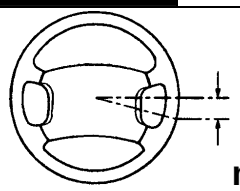
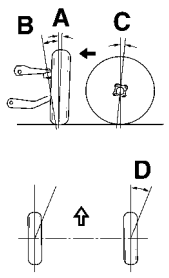
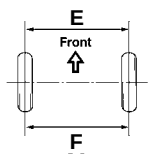
		TRB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	**5 to 15** *(0.2 to 0.6)*
	C	↑ **25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

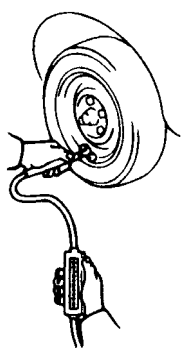
		TRB
 mm *(in.)*	A	EX Grade **169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*
	B	**1 to 6** *(0.04 to 0.24)*
	C*[1]	w/ Front drum brake: ↑ **50** *(2.0)* w/ Front disk brake: ↑ **45** *(1.8)*
		SAE J1703 or FMVSS No. 116 DOT3
 **245 N** *(25 kgf, 55 lbf)*		**6 to 8**
 mm *(in.)*	A	↑ **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)*	**5 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*	**515** *(5250, 380)*	

		TRB
 liter *(US qts, Imp.qts)*		**3.2** *(3.4, 2.8)*
		API GL-4 or GL-5 SAE 75W-90
 liter *(US qts, Imp.qts)*		**3.8** *(4.0, 3.3)*
		Hypoid gear oil, API GL-5 SAE 90 (↑ -18℃(0°F)) **SAE 80W or 80W-90** (↓ -18℃(0°F))
N·m *(kgf-cm, ft-lbf)*	A	**37** *(379, 27)*
	B	**50** *(510, 37)*

		TRB
 mm *(in.)*		↓ **40** *(1.58)*

	A	**0°00'±30'** *(0°±0.5°)*
	B	**13°00'** *(13°)*
	C	**4°30'±30'** *(4.5°±0.5°)*
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*
 F-E mm *(in.)*		**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)*

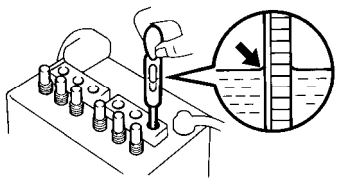
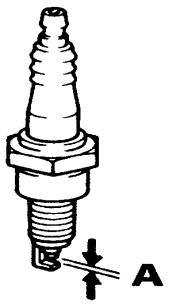
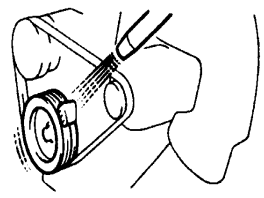
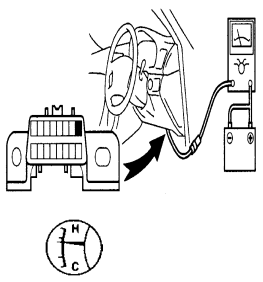
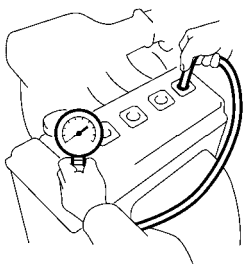
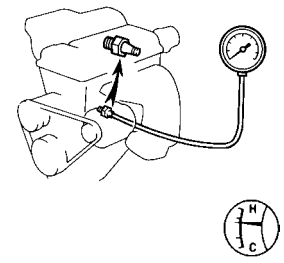
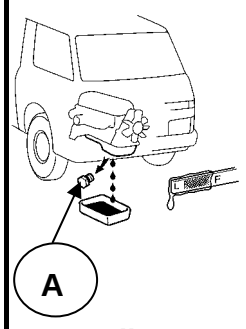
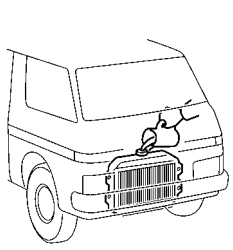
 kPa *(kgf/cm²* or bar, psi)	**6.50R16-10PRLT**	**550** *(5.50, 80)*	***425*** *(4.25, 62)*
	7.00R16-10PRLT	**475** *(4.75, 69)*	**325** *(3.25, 47)*
	7.00R16-12PRLT	**550** *(5.50, 80)*[*2]	**350** *(3.50, 51)*
		500 *(5.00, 73)*	
	215/70R17.5 118/116L LT	**525** *(5.25, 76)*	**325** *(3.25, 47)*

*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

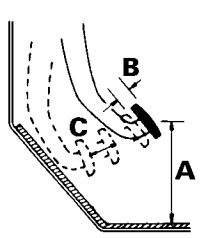
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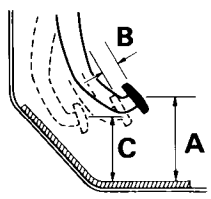
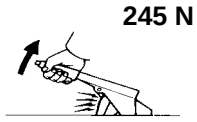
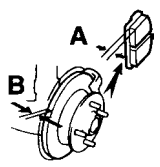
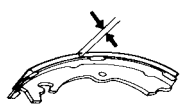
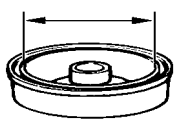
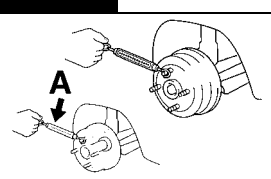
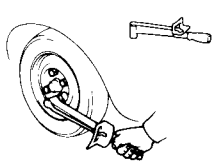
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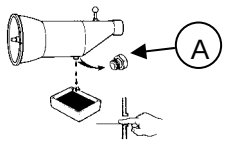
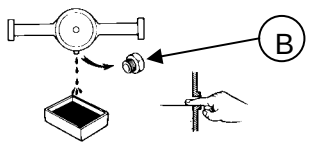
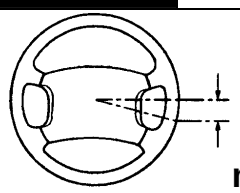
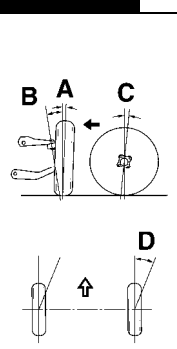
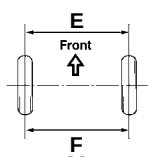
TOYOTA QUALITY SERVICE

		TRB
 20°C *(68°F)*		**1.25 to 1.29**
		2TR-FE
	cm³ or cc *(cu. in.)*	**2694** *(164.4)*
	**DENSO**	**SK20HR11**
	NGK	**ILFR6C11**
	A mm *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*
 **BTDC**		**3 to 7°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **rpm**		**750 to 850**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*
		880 *(9.0, 128)*
		98 *(1.0, 14)*
 **kPa** *(kgf/cm², psi)*		**29** *(0.3, 4.3)*
	3,000 rpm	**160 to 490** *(1.6 to 5.0, 23 to 71)*
		2TR-FE
 **liter** *(US qts, lmp.qts)*		**5.4** *(5.7, 4.8)*
		6.0 *(6.3, 5.3)*
		15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or ILSAC[*3] multigrade engine oil.
N·m *(kgf-cm, ft-lbf)*	**A**	**38** *(382, 28)*
 **Liter** *(US qts, lmp.qts)*	**With front heater**	**14.3** *(15.1, 12.6)*
	With front and rear heater	**16.7** *(17.6, 14.7)*
	Without front and rear heater	**10.8** *(11.4, 9.5)*

[*3] ILSAC : International Lubricant Standardization and Approval Committee

		TRB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	**5 to 15** *(0.2 to 0.6)*
	C	↑**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

			TRB
 mm *(in.)*	A	EX Grade **169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*	
	B	**1 to 6** *(0.04 to 0.24)*	
	C*[1]	w/ Front drum brake: ↑**50** *(2.0)* w/ Front disk brake: ↑**45** *(1.8)*	
		SAE J1703 or FMVSS No. 116 DOT3	
 **245 N** *(25 kgf, 55 lbf)*		**6 to 8**	
 mm *(in.)*	A	↑**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)*		**5 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*		**515** *(5250, 380)*	

			TRB
 **liter** *(US qts, lmp.qts)*			**3.2** *(3.4, 2.8)*
			API GL-4 or GL-5 SAE 75W-90
 **liter** *(US qts, lmp.qts)*			**3.8** *(4.0, 3.3)*
			Hypoid gear oil, API GL-5 SAE 90 (↑ -18℃(0°F)) **SAE 80W or 80W-90** (↓ -18℃(0°F))
N·m *(kgf-cm, ft-lbf)*	A		**37** *(379, 27)*
	B		**50** *(510, 37)*
 **mm** *(in.)*			↓ **40** *(1.58)*
	A		**0°00'±30'** *(0°±0.5°)*
	B		**13°00'** *(13°)*
	C		**4°30'±30'** *(4.5°±0.5°)*
	D		**37°30' to 40°30'** *(37.5° to 40.5°)*
 **mm** *(in.)*	F-E		**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)*

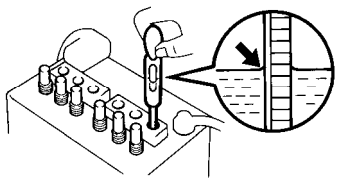
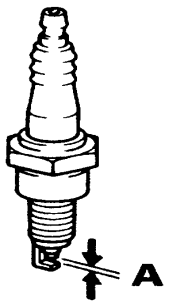
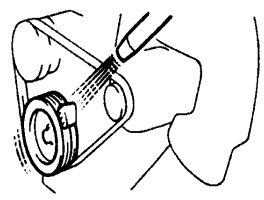
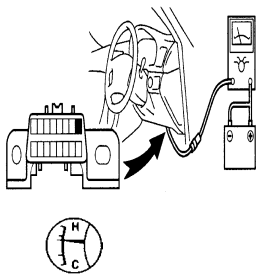
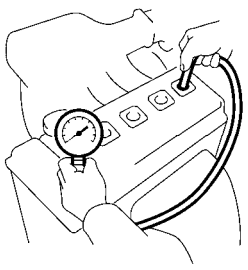
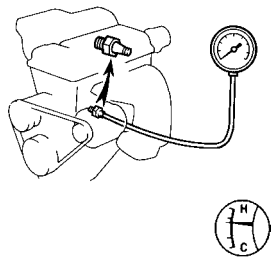
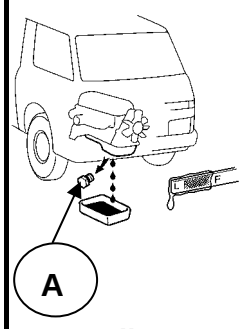
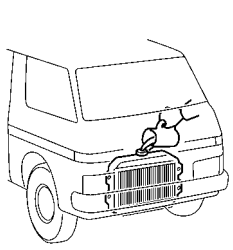
kPa *(kgf/cm²* *or bar, psi)*	**6.50R16-10PRLT**	**550** *(5.50, 80)*	***425*** *(4.25, 62)*
	7.00R16-10PRLT	**475** *(4.75, 69)*	**325** *(3.25, 47)*
	7.00R16-12PRLT	**550** *(5.50, 80)*[*2]	**350** *(3.50, 51)*
		500 *(5.00, 73)*	
	215/70R17.5 118/116L LT	**525** *(5.25, 76)*	**325** *(3.25, 47)*

*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

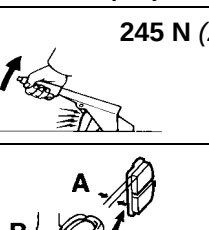
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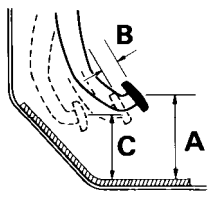
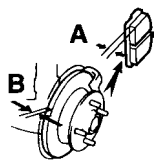
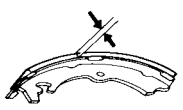
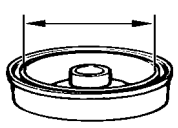
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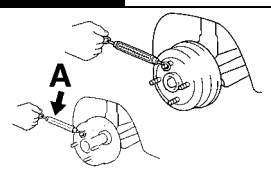
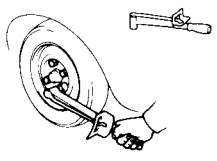
		TRB
 20°C *(68°F)*		**1.25 to 1.29**
		2TR-FE
	cm³ or cc *(cu. in.)*	**2694** *(164.4)*
	**DENSO**	**SK20HR11**
	NGK	**ILFR6C11**
	A mm *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*
 **BTDC**		**3 to 7°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **rpm**		**750 to 850**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*
		880 *(9.0, 128)*
		98 *(1.0, 14)*
 **kPa** *(kgf/cm², psi)*		**29** *(0.3, 4.3)*
	3,000 rpm	**160 to 490** *(1.6 to 5.0, 23 to 71)*
		2TR-FE
 **liter** *(US qts, Imp.qts)*		**5.4** *(5.7, 4.8)*
		6.0 *(6.3, 5.3)*
		15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or ILSAC[*3] multigrade engine oil.
N·m *(kgf-cm, ft-lbf)*	**A**	**38** *(382, 28)*
 **Liter** *(US qts, Imp.qts)*	**With front heater**	**14.3** *(15.1, 12.6)*
	With front and rear heater	**16.7** *(17.6, 14.7)*
	Without front and rear heater	**10.8** *(11.4, 9.5)*

[*3] ILSAC : International Lubricant Standardization and Approval Committee

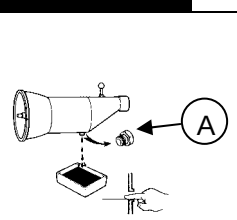
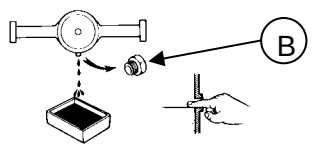
Brake

		TRB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	**5 to 15** *(0.2 to 0.6)*
	C	⇧**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

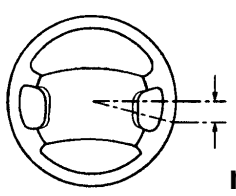
		TRB
 mm *(in.)*	A	EX Grade **169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*
	B	**1 to 6** *(0.04 to 0.24)*
	C*[1]	w/ Front drum brake: ⇧**50** *(2.0)* w/ Front disk brake: ⇧**45** *(1.8)*
		SAE J1703 or FMVSS No. 116 DOT3
245 N *(25 kgf, 55 lbf)*		**6 to 8**
 mm *(in.)*	A	⇧**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)*	**5 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 N·m *(kgf-cm, ft-lbf)*	**515** *(5250, 380)*	

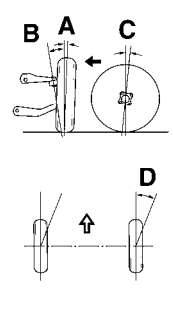
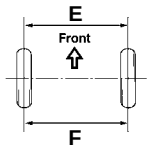
Capacities

		TRB
 liter *(US qts, Imp.qts)*		**3.2** *(3.4, 2.8)*
		API GL-4 or GL-5 SAE 75W-90
 liter *(US qts, Imp.qts)*		**3.8** *(4.0, 3.3)*
		Hypoid gear oil, API GL-5 **SAE 90** (⇧ -18℃(0°F)) **SAE 80W or 80W-90** (⇩ -18℃(0°F))
N·m *(kgf-cm, ft-lbf)*	(A)	**37** *(379, 27)*
	(B)	**50** *(510, 37)*

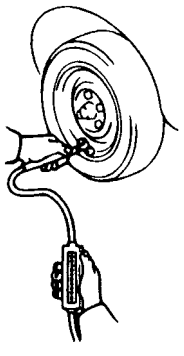
Steering

	TRB
 mm *(in.)*	⇩ **40** *(1.58)*

Wheel

		TRB
	A	**0°00'±30'** *(0°±0.5°)*
	B	**13°00'** *(13°)*
	C	**4°30'±30'** *(4.5°±0.5°)*
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*
	F-E	**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)*
mm *(in.)*		

Tire

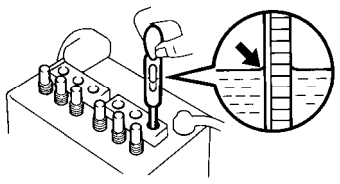
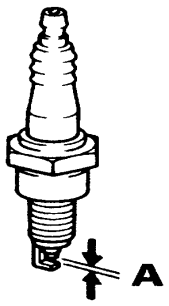
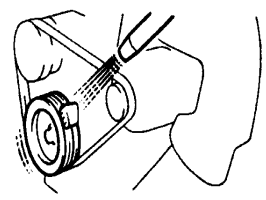
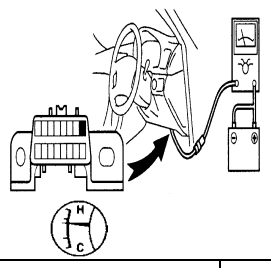
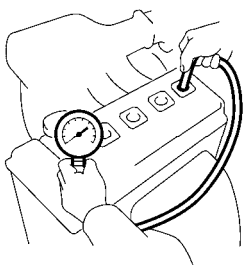
 kPa *(kgf/cm²* or bar, psi)	**6.50R16-10PRLT**	**550** *(5.50, 80)*	***425*** *(4.25, 62)*
	7.00R16-10PRLT	**475** *(4.75, 69)*	**325** *(3.25, 47)*
	7.00R16-12PRLT	**550** *(5.50, 80)*[*2]	**350** *(3.50, 51)*
		500 *(5.00, 73)*	
	215/70R17.5 118/116L LT	**525** *(5.25, 76)*	**325** *(3.25, 47)*

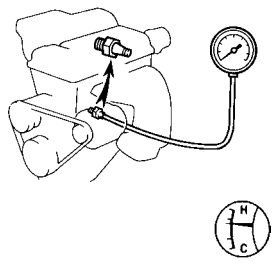
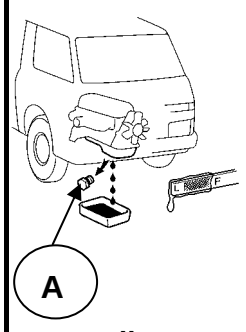
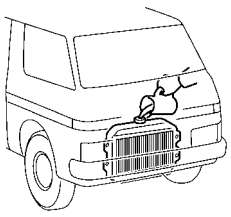
*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

TRB 40, 50

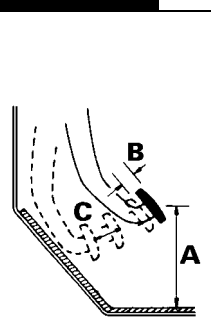
TOYOTA QUALITY SERVICE

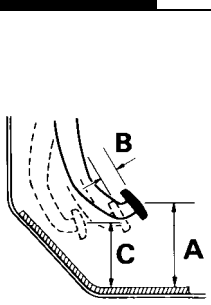
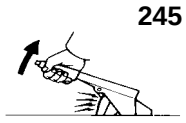
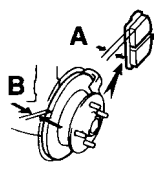
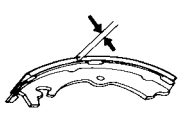
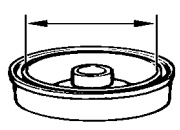
		TRB
 20°C *(68°F)*		**1.25 to 1.29**
		2TR-FE
	cm³ or cc *(cu. in.)*	**2694** *(164.4)*
	**DENSO**	**SK20HR11**
	NGK	**ILFR6C11**
	A mm *(in.)*	**10 to 1.1** *(0.039 to 0.043)*
 **BTDC**		**3 to 7°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **rpm**		**750 to 850**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*
		880 *(9.0, 128)*
		98 *(1.0, 14)*

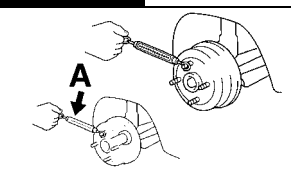
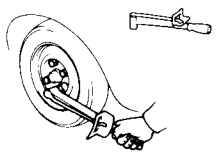
 **kPa** *(kgf/cm², psi)*		**29** *(0.3, 4.3)*
	3,000 rpm	**160 to 490** *(1.6 to 5.0, 23 to 71)*
		2TR-FE
 **liter** *(US qts, Imp.qts)*		**5.4** *(5.7, 4.8)*
		6.0 *(6.3, 5.3)*
		15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or ILSAC*3 multigrade engine oil.
N·m *(kgf-cm, ft-lbf)*	**A**	**38** *(382, 28)*
 **Liter** *(US qts, Imp.qts)*	**With front heater**	**14.3** *(15.1, 12.6)*
	With front and rear heater	**16.7** *(17.6, 14.7)*
	Without front and rear heater	**10.8** *(11.4, 9.5)*

*3 ILSAC : International Lubricant Standardization and Approval Committee

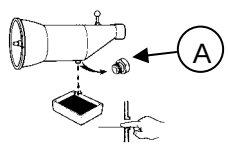
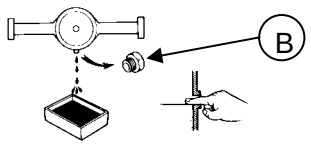
Brake

		TRB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	**5 to 15** *(0.2 to 0.6)*
	C	⇧**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

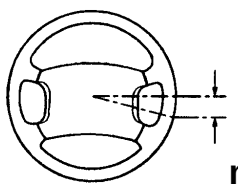
		TRB
 mm *(in.)*	A	EX Grade **169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*
	B	**1 to 6** *(0.04 to 0.24)*
	C*[1]	w/ Front drum brake: ⇧**50** *(2.0)* w/ Front disk brake: ⇧**45** *(1.8)*
		SAE J1703 or FMVSS No. 116 DOT3
 **245 N** *(25 kgf, 55 lbf)*		**6 to 8**
 mm *(in.)*	A	⇧**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)*	**5 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*	**515** *(5250, 380)*	

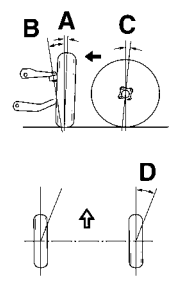
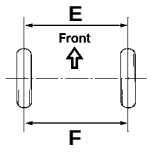
Engine

		TRB
 **liter** *(US qts, Imp.qts)*		**3.2** *(3.4, 2.8)*
		API GL-4 or GL-5 SAE 75W-90
 **liter** *(US qts, Imp.qts)*		**3.8** *(4.0, 3.3)*
		Hypoid gear oil, API GL-5 SAE 90 (⇧ -18℃(0°F)) **SAE 80W or 80W-90** (⇩ -18℃(0°F))
N·m *(kgf-cm, ft-lbf)*	A	**37** *(379, 27)*
	B	**50** *(510, 37)*

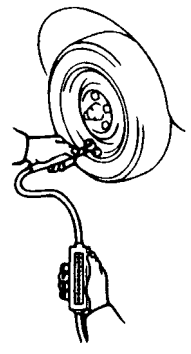
Steering

		TRB
 mm *(in.)*		⇩ **40** *(1.58)*

Suspension

		TRB
	A	**0°00'±30'** *(0°±0.5°)*
	B	**13°00'** *(13°)*
	C	**4°30'±30'** *(4.5°±0.5°)*
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*
	**F-E** mm *(in.)*	**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)*

Wheel

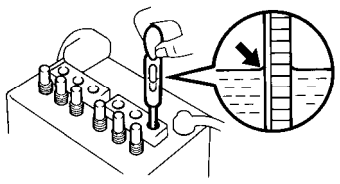
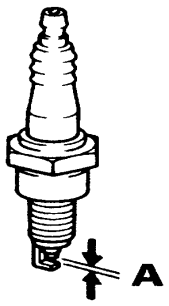
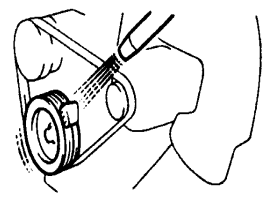
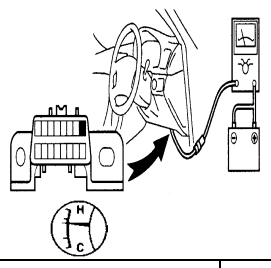
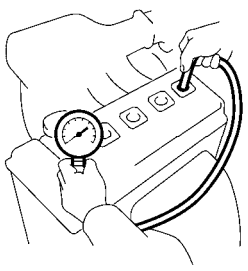
 **kPa** *(kgf/cm²* *or bar, psi)*	**6.50R16-10PRLT**	**550** *(5.50, 80)*	***425*** *(4.25, 62)*
	7.00R16-10PRLT	**475** *(4.75, 69)*	**325** *(3.25, 47)*
	7.00R16-12PRLT	**550** *(5.50, 80)*[*2]	**350** *(3.50, 51)*
		500 *(5.00, 73)*	
	215/70R17.5 118/116L LT	**525** *(5.25, 76)*	**325** *(3.25, 47)*

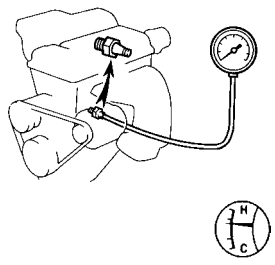
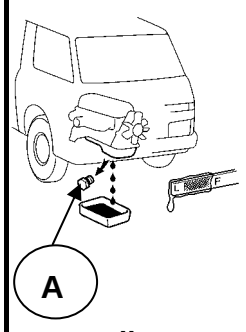
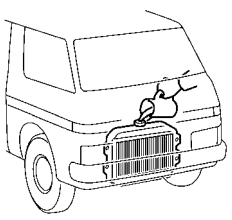
*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

TRB 40, 50

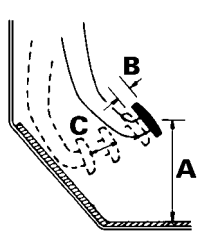
TOYOTA QUALITY SERVICE

		TRB
 20°C *(68°F)*		**1.25 to 1.29**
		2TR-FE
	cm³ or cc *(cu. in.)*	**2694** *(164.4)*
	**DENSO**	**SK20HR11**
	NGK	**ILFR6C11**
	A mm *(in.)*	**10 to 1.1** *(0.039 to 0.043)*
 **BTDC**		**3 to 7°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **rpm**		**750 to 850**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*
		880 *(9.0, 128)*
		98 *(1.0, 14)*

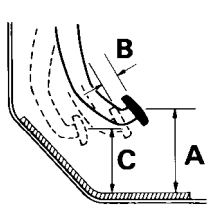
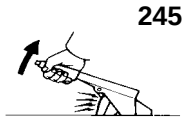
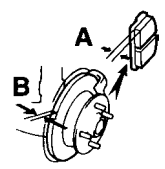
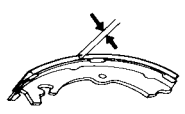
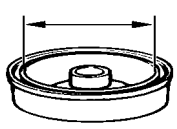
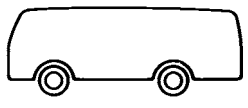
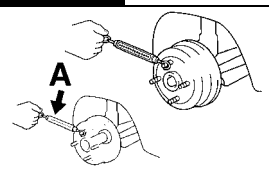
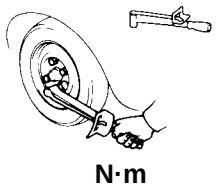
 **kPa** *(kgf/cm², psi)*		**29** *(0.3, 4.2)*
	3,000 rpm	**160 to 490** *(1.6 to 5.0, 23 to 71)*
		2TR-FE
 **liter** *(US qts, Imp.qts)*		**5.4** *(5.7, 4.8)*
		6.0 *(6.3, 5.3)*
		15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or ILSAC*3 multigrade engine oil.
N·m *(kgf-cm, ft-lbf)*	A	**38** *(382, 28)*
 **Liter** *(US qts, Imp.qts)*	**With front heater**	**14.3** *(15.1, 12.6)*
	With front and rear heater	**16.7** *(17.6, 14.7)*
	Without front and rear heater	**10.8** *(11.4, 9.5)*

*3 ILSAC : International Lubricant Standardization and Approval Committee

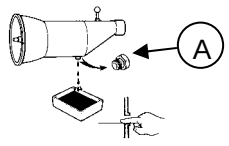
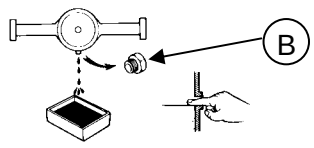
TRB, BZB

	A	**165 to 172** *(6.50 to 6.77)*
	B	**5 to 20** *(0.197 to 0.787)*
	C	⬆**25** *(0.98)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**

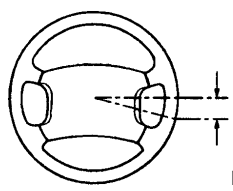
TRB, BZB

	A	**172 to 179** *(6.771 to 7.047)*
	B	**1 to 6** *(0.04 to 0.24)*
	C*1	⬆**45** *(1.8)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**
245 N *(25 kgf, 55 lbf)* 		**6 to 8**
	A	⬆**1.0** *(0.039)*
mm *(in.)*	B	⬆**33.0** *(1.299)*
		⬆**1.5** *(0.059)*
mm *(in.)*		⬆**4.2** *(0.165)*
		6.3 in. — ⬇**161** *(6.34)*; 7.9 in. — ⬇**201** *(7.91)*
mm *(in.)*		⬇**322** *(12.68)*
		
 **N** *(kgf, lbf)*	**5 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*	**515** *(5252, 380)*	

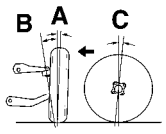
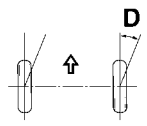
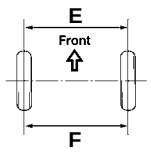
TRB, BZB

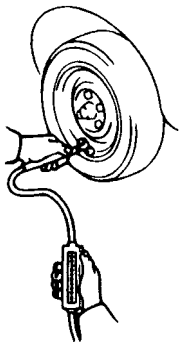
 **liter** *(US qts, Imp.qts)*		**3.2** *(3.4, 2.8)*
		API GL-4 or GL-5 SAE 75W-90
 **liter** *(US qts, Imp.qts)*		**3.8** *(4.0, 3.3)*
		Hypoid gear oil, API GL-5 SAE 90 (⬆ -18℃(0°F)) **SAE 80W or 80W-90** (⬇ -18℃(0°F))
N·m *(kgf-cm, ft-lbf)*	A	**37** *(379, 27)*
	B	**50** *(510, 37)*

TRB, BZB

 **mm** *(in.)*		⬇ **40** *(1.575)*

TRB, BZB

 	A	**0°00'±30'** *(0°±0.5°)*
	B	**13°00'** *(13°)*
	C	**4°30'±30'** *(4.5°±0.5°)*
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*
 **mm** *(in.)*	**F-E**	**3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)*

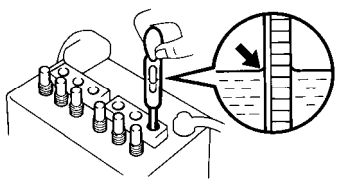
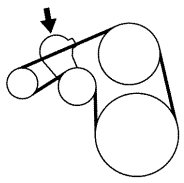
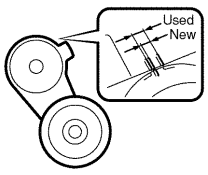
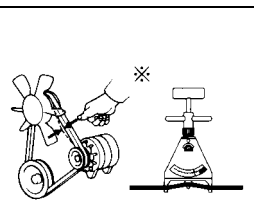
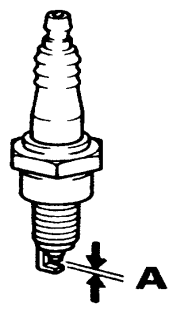
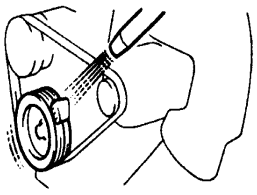
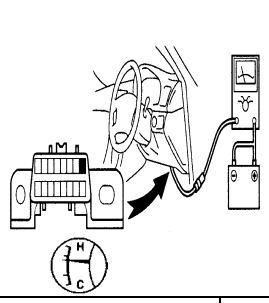
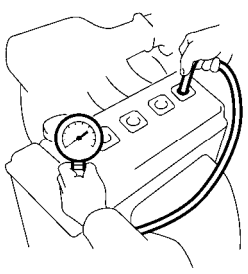
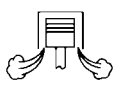
 **kPa** *(kgf/cm²* *or bar, psi)*	**7.00R16-10PRLT**		**475** *(4.75, 69)*	**325** *(3.25, 47)*
	7.00R16-12PRLT		**600** *(6.0, 87)*	**375** *(3.75, 54)*
	215/70R17.5 118/116N LT	**BZB60**	**475** *(4.75, 69)*	**300** *(3.0, 44)*
		BZB70	**525** *(5.25, 76)*	**325** *(3.25, 47)*

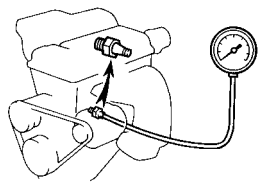
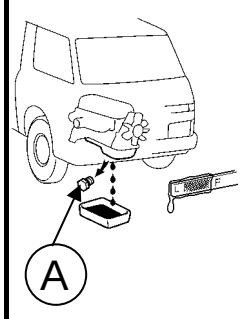
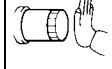
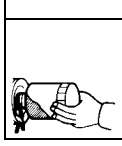
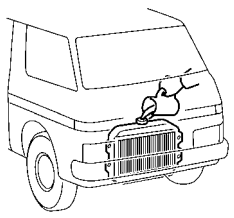
*1: When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.

COASTER

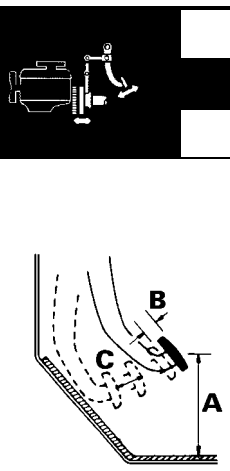
TRB 60, 70
BZB 60, 70

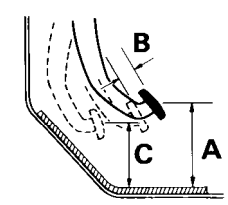
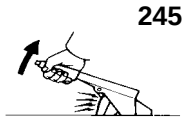
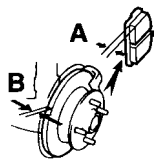
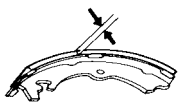
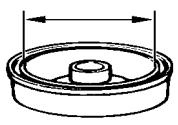
TOYOTA QUALITY SERVICE

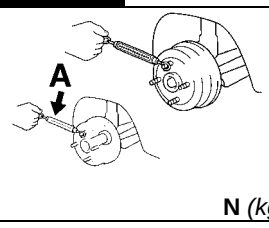
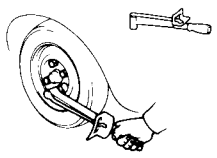
		TRB, BZB	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		2TR-FE	**1BZ-FPE**
	cm³ or cc *(cu. in.)*	**2694** *(164.4)*	**4104** *(250.4)*
			**-**
 **mm** *(in.)* **N** *(kgf)*		**-**	**14 to 20** *(0.55 to 0.79)* ***196 to 392** *(20 to 40)*
		**9.8 to 13.0** *(0.39 to 0.51)* ***323 to 519** *(33 to 53)*	**11 to 15** *(0.43 to 0.59)* ***147 to 343** *(15 to 35)*
	**DENSO**	**SK20HR11**	**SK20R5-G** **SK20R-B5** **DK16R-B5**
	NGK	**ILFR6C11**	**-**
 **BTDC**	**A** mm *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*	**0.4 to 0.5** *(0.016 to 0.020)*
		3 to 7° (DLC3 Terminals 13 (TC) - 4 (CG) Connected)	**12°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **rpm**		**750 to 850**	**650 to 750**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*	**1270** *(13, 185)*
		⬆ **880** *(9.0, 128)*	⬆ **980** *(10, 142)*
		⬇ **98** *(1.0, 14)*	⬇ **190** *(1.9, 28)*

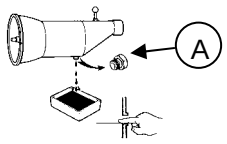
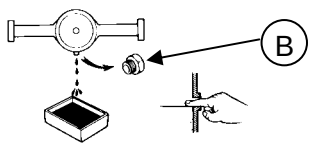
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.2)*	⬆ **29** *(0.3, 4.2)*
		**3000 rpm** **160 to 490** *(1.6 to 5.0, 23 to 71)*	**4000 rpm** **245 to 588** *(2.5 to 6.0, 36 to 85)*
		2TR-FE	**1BZ-FPE**
 **liter** *(US qts, Imp.qts)*		**5.4** *(5.7, 4.8)*	**8.4** *(8.9, 7.4)*
		**6.0** *(6.3, 5.3)*	**9.3** *(8.2, 9.8)*
		15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC*1 multigrade engine oil.	15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC*1 multigrade engine oil.
N·m *(kgf-cm, ft-lbf)*	Ⓐ	**38** *(382, 28)*	**38** *(382, 28)*
 **Liter** *(US qts, Imp.qts)*	**With front heater**	**-**	**14.7** *(15.5, 12.9)*
	With front and rear heater	**16.7** *(17.6, 14.7)*	**-**
	Without front and rear heater	**10.8** *(11.4, 9.5)*	**-**

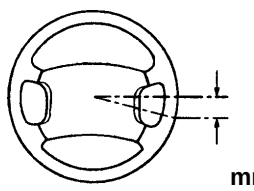
*1: ILSAC : International Lubricant Standardization and Approval Committee

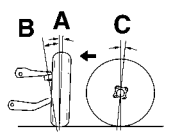
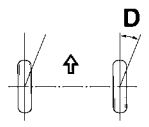
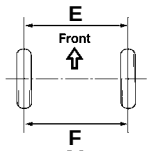
		TRB, BZB
 mm *(in.)*	A	**165 to 172** *(6.50 to 6.77)*
	B	**5 to 20** *(0.197 to 0.787)*
	C	⇧ **25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

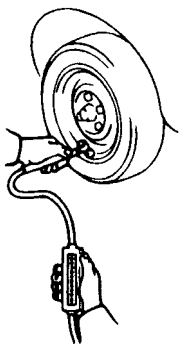
		TRB, BZB
 mm *(in.)*	A	**172 to 179** *(6.77 to 7.05)*
	B	**1 to 6** *(0.04 to 0.24)*
	C*1	⇧ **45** *(1.8)*
		SAE J1703 or FMVSS No. 116 DOT3
		SAE J1704 or FMVSS No. 116 DOT4
245 N *(25 kgf, 55 lbf)* 		**6 to 8**
 mm *(in.)*	A	⇧ **1.0** *(0.039)*
	B	⇧ **33.0** *(1.299)*
 mm *(in.)*		⇧ **1.5** *(0.059)*
		⇧ **4.2** *(0.165)*
 mm *(in.)*		⇩ **161** *(6.34)*2*
		⇩ **201** *(7.91)*3*
		⇩ **322** *(12.68)*

		TRB	BZB
 N *(kgf, lbf)*	A	**5 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 N*m *(kgf*cm, ft.*lbf)*		**515** *(5252, 380)*	

		TRB, BZB
 liter *(US qts, lmp.qts)*		**3.2** *(3.4, 2.8)*
		API GL-4 or GL-5 SAE 75W-90
 liter *(US qts, lmp.qts)*		**3.8** *(4.0, 3.3)*
		Hypoid gear oil, API GL-5 SAE 90
N*m *(kgf*cm, ft.*lbf)*	A	**37** *(379, 27)*
	B	**50** *(510, 37)*

		TRB, BZB
 mm *(in.)*		⇩ **40** *(1.575)*

		TRB	BZB
	A	**0°00'±30'** *(0°±0.5°)*	
	B	**13°00'** *(13°)*	
	C	**4°30'±30'** *(4.5°±0.5°)*	
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*	
 mm *(in.)*	F-E	**3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)*	**2.5±1** *(0.098±0.039)*

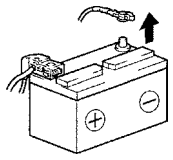
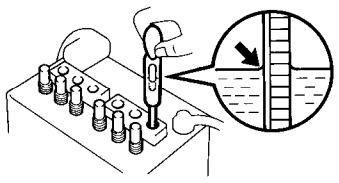
 kPa *(kgf/cm^2, psi)*	**Please refer to Repair Manual (Service Specifications / Tire and Wheel)**

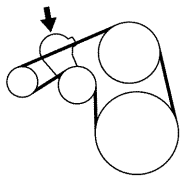
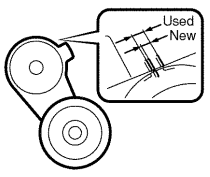
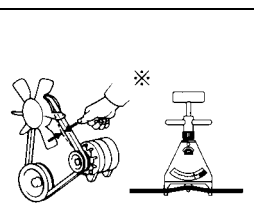
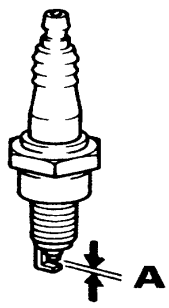
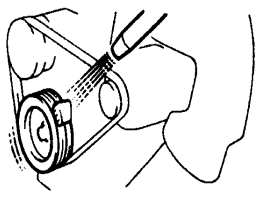
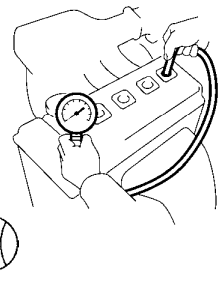
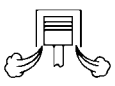
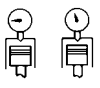
*1: When brake pedal is depressed with the force of 500 N (51 kgf, 112 lbf) while the engine is running.
*2: for Parking Brake Drum with Inner Diameter of 160 mm *3: for Parking Brake Drum with Inner Diameter of 200 mm

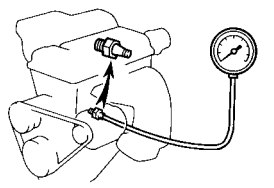
COASTER

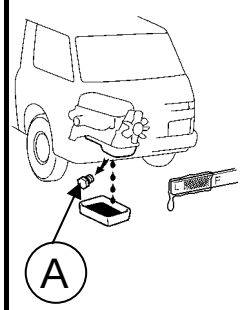
TRB 60, 70
BZB 60, 70

TOYOTA QUALITY SERVICE

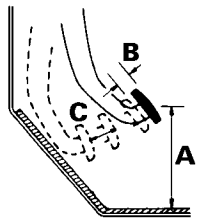
		TRB, BZB	
		-	
 **20°C** *(68°F)*		**1.25 to 1.29**	

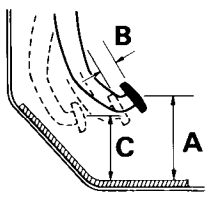
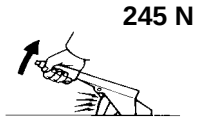
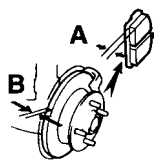
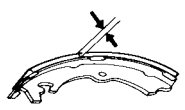
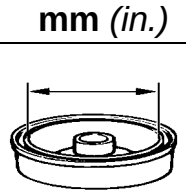
		2TR-FE	1BZ-FPE
cm³ or cc *(cu. in.)*		**2694** *(164.4)*	**4104** *(250.4)*
		-	**-**
 **mm** *(in.)* **N** *(kgf)*		-	**14 to 20** *(0.55 to 0.79)* ***196 to 392** *(20 to 40)*
		**9.8 to 13.0** *(0.39 to 0.51)* ***323 to 519** *(33 to 53)*	**11 to 15** *(0.43 to 0.59)* ***147 to 343** *(15 to 35)*
	**DENSO**	**SK20HR11**	**SK20R5-G** **SK20R-B5** **DK16R-B5**
	NGK	**ILFR6C11**	**-**
	A mm *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*	**0.4 to 0.5** *(0.016 to 0.020)*
 **BTDC**		**3 to 7°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)	**12°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
rpm		**750 to 850**	**650 to 750**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*	**1270** *(13, 185)*
		⬆ **880** *(9.0, 128)*	⬆ **980** *(10, 142)*
		⬇ **98** *(1.0, 14)*	⬇ **190** *(1.9, 28)*

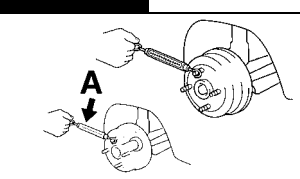
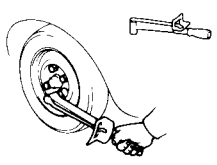
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.2)*	⬆ **29** *(0.3, 4.2)*
		3000 rpm **160 to 490** *(1.6 to 5.0, 23 to 71)*	**4000 rpm** **245 to 588** *(2.5 to 6.0, 36 to 85)*

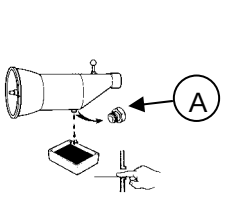
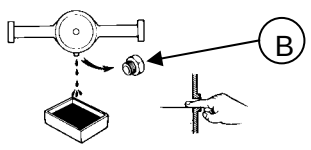
			2TR-FE	1BZ-FPE
 **liter** *(US qts, Imp.qts)*			**5.4** *(5.7, 4.8)*	**8.4** *(8.9, 7.4)*
			6.0 *(6.3, 5.3)*	**9.3** *(8.2, 9.8)*
			15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or ILSAC*1 multigrade engine oil.	15W-40 and 20W-50: API grade SL or SM multigrade engine oil. 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or ILSAC*1 multigrade engine oil.
N*m *(kgf*cm, ft.*lbf)*	Ⓐ		**38** *(382, 28)*	**38** *(382, 28)*
liter *(US qts, Imp.qts)*	**With front heater**		**-**	**14.7** *(15.5, 12.9)*
	With front and rear heater		**16.7** *(17.6, 14.7)*	**-**
	Without front and rear heater		**10.8** *(11.4, 9.5)*	**-**

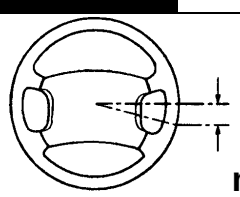
*1: ILSAC : International Lubricant Standardization and Approval Committee

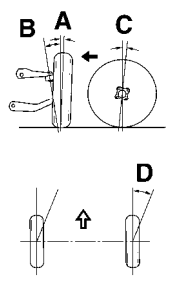
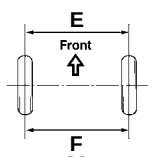
		BB, HZB, XZB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	15B-FT: **10 to 25** *(0.4 to 1.0)* Others: **5 to 15** *(0.2 to 0.6)*
	C	⬆**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

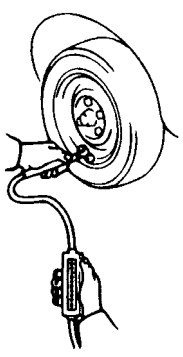
			BB, HZB, XZB
 mm *(in.)*	A	EX Grade	**169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*
	B		**1 to 6** *(0.04 to 0.24)*
	C*[1]	w/ Front drum brake:	⬆**50** *(2.0)*
		w/ Front disk brake:	⬆**45** *(1.8)*
			SAE J1703 or FMVSS No. 116 DOT3
245 N *(25 kgf, 55 lbf)* 			**6 to 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)*	A	**4.9 to 14.2** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*		**515** *(5250, 380)*	

			BB, HZB	XZB
 **liter** *(US qts, Imp.qts)*	R 2 4 / 1 3 5	w/ cooler:	**3.9** *(4.1, 3.4)* w/o cooler: **3.2** *(3.4, 2.8)*	**3.0** *(3.2, 2.6)*
			API GL-4 or GL-5 SAE 75W-90	
	PRNDL		———	**6.0** *(6.3, 5.3)*
			Toyota Genuine ATF Type D-II	
 **liter** *(US qts, Imp.qts)*			**3.8** *(4.0, 3.3)*	
			Hypoid gear oil, API GL-5 SAE 90 (⬆ -18℃(0°F)) **SAE 80W or 80W-90** (⬇ -18℃(0°F))	
N·m *(kgf-cm, ft-lbf)*	A		**37** *(377, 27)*	
	B		**50** *(510, 37)*	

		BB, HZB, XZB
 **mm** *(in.)*		⬇ **40** *(1.6)*

		BB, HZB	XZB
 **kPa** *(kgf/cm²* *or bar, psi)*	A	**0°00'±30'** *(0°±0.5°)*	**0°±45'** *(0°±0.75°)*
	B	**13°00'** *(13°)*	
	C	**4°30'±30'** *(4.5°±0.5°)*	**4°30'±45'** *(4.5°±0.75°)*
	D	BB59R: **43°00' to 46°00'** *(43° to 46°)* Others: **37°30' to 40°30'** *(37.5° to 40.5°)*	
	**F-E** **mm** *(in.)*	**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16, 215/70R17.5)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.0±1** *(0.08±0.04)* *(Tire Size 205/75R17.5)*	

 **kPa** *(kgf/cm²* *or bar, psi)*	**6.50R16-10PRLT**			**550** *(5.50, 80)*	**475** *(4.75, 69)*
	7.00R16 -10PRLT	**14B**		**500** *(5.00, 73)*[*2] **475** *(4.75, 69)*	**375** *(3.75, 54)*
		N04C-TQ		**525** *(5.25, 76)*	**300** *(3.00, 44)*
	7.00R16-12PRLT	**Except N04C-TQ**		**600** *(6.00, 87)*	**375** *(3.75, 54)*
		N04C-TQ		**550** *(5.50, 80)*	**300** *(3.00, 44)*
	215/70R17.5 118/116	Hong Kong		**525** *(5.25, 76)*	**325** *(3.25, 47)*
		Israel		**600** *(6.00, 87)*	**350** *(3.50, 51)*
		Australia		**550** *(5.50, 80)*	**300** *(3.00, 44)*
	205/75R17.5			**575** *(5.75, 83)*	**450** *(4.50, 65)*

*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

Diesel

BB42, 50
HZB50
XZB50, 59

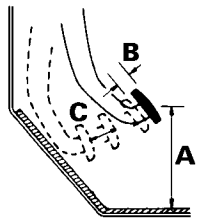
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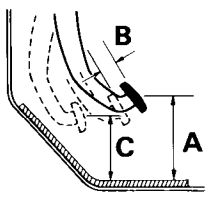
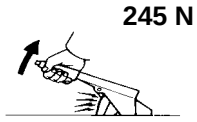
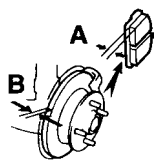
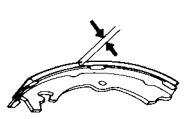
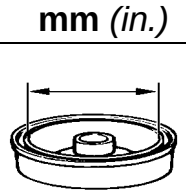
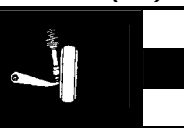
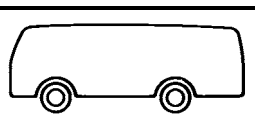
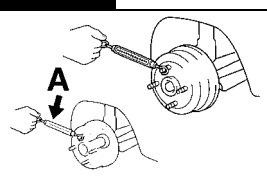
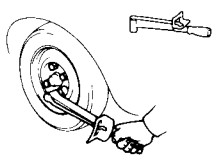
		BB, HZB, XZB			
20℃ (68°F)		**1.25 to 1.29**			
		14B	15B-FT	N04C-TQ	1HZ
	cm³ or cc *(cu. in.)*	**3661** *(223.4)*	**4104** *(250.4)*	**4009** *(244.5)*	**4164** *(254.1)*
※ **mm** *(in.)* **N** *(kgf)*		**11 to 16** *(0.43 to 0.63)* **※245 to 441** *(25 to 45)* (Single belt type) **14 to 20** *(0.55 to 0.79)* **※196 to 392** *(20 to 40)* (Double belt type)	**14 to 20** *(0.55 to 0.79)*	**10.5 to 12.5** (0.413 to 0.492) **※350 to 500** (36 to 51) (New belt) **12 to 13** (0.472 to 0.512) **※300 to 400** (31 to 41) (Used belt)	**8 to 11** *(0.31 to 0.43)*
		11 to 15 *(0.43 to 0.59)* **※147 to 343** *(15 to 35)*		**8.6 to 10.6** (0.339 to 0.417) **※404 to 576** (41 to 59) (New belt) **10.7 to 12.1** (0.421 to 0.476) **※294 to 392** (30 to 40) (Used belt)	**11 to 13** *(0.43 to 0.51)* **※ 539 to 735** *(55 to 75)*
20℃ *(68°F)* Ω		———			12V **0.75** / 24V **3.10**
20℃ *(68°F)* **secs**		—	Hong Kong **0.5**	—	12V **5.1 to 6.9** / 24V **1.0***1 G.C.C.*2 **4.25 to 5.75**
mm *(in.)*		**1.31 to 1.37** *(0.0516 to 0.0539)*	**3.7 to 3.8** *(0.1455 to 0.1494)*	—	**0.65 to 0.71***3 *(0.0256 to 0.0280)* **0.85 to 0.91***4 *(0.0335 to 0.0358)*
		○ × × × (14B, 15B-FT)		○ × × × (1HZ)	
kPa *(kgf/cm², psi)*		**17652 to 20594** *(180 to 210, 2560 to 2987)*	**16180 to 18630** *(165 to 190, 2350 to 2700)*	—	**14220 to 15200** *(145 to 155, 2062 to 2205)*
		19613 to 20594 *(200 to 210, 2845 to 2987)*	**17650 to 18630** *(180 to 190, 2560 to 2700)*	—	**14710 to 15690** *(150 to 160, 2133 to 2276)*

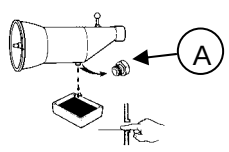
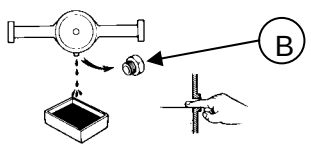
mm *(in.)*		**0.20** *(0.008)*		**0.30** *(0.0118)*	**0.15 to 0.25** *(0.006 to 0.010)*
		0.36 *(0.014)*		**0.45** *(0.0177)*	**0.35 to 0.45** *(0.014 to 0.018)*
rpm		**600 to 700**	**650 to 750**	**600 to 700**	**600 to 700**
		4050 to 4250	**3800 to 4000**	**3600 to 3700**	**4500 to 4700**
		2942 *(30.0, 427)*	**3138** *(32.0, 455)*	**3200** *(33.0, 464)*	**3628** *(37.0, 526)*
kPa *(kgf/cm², psi)*		**↑1961** *(20.0, 284)*		**↑2700** *(27.0, 392)*	**↑2648** *(27.0, 384)*
		↓196 *(2.0, 28)*		**↓290** *(3.0, 42)*	**↓490** *(5.0, 71)*
kPa *(kgf/cm², psi)*		**↑29** *(0.3, 4.3)*		**↑190** *(1.9, 27.6)*	**↑29** *(0.3, 4.3)*
	3,000 rpm	**245 to 588** *(2.5 to 6.0, 36 to 85)*		—	**250 to 600** *(2.5 to 6.1, 36 to 87)*

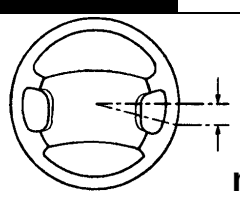
		14B	**15B-FT**	**N04C-TQ**	**1HZ**
liter *(US qts, Imp. qts)*		**7.8** *(8.2, 6.9)*		**7.5** *(7.9, 7.0)*	**8.5** *(9.0, 7.5)*
		8.6 *(9.1, 7.6)*		**8.5** *(9.0, 7.9)*	**9.8** *(10.4, 8.6)*
		Use API CF-4, CF or G-DLD-1 **(You may also use API CE or API CD.)**			
N·m *(kgf-cm, ft-lbf)*	A	**35** *(360, 26)*		**41** *(418, 30)*	**34.3** *(350, 25)*
liter *(US qts, Imp. qts)*		**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, 13.2)* **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** **13.2** *(13.9, 11.6)* **w/ Front and Rear Heaters** **14.1** *(14.9, 12.4)* **w/o Front and Rear Heaters** **13.0** *(13.7, 11.4)*	**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)*

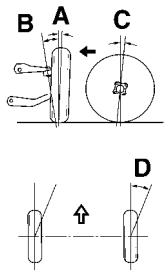
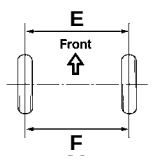
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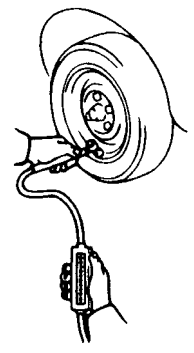
		BB, HZB, XZB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	15B-FT: **10 to 25** *(0.4 to 1.0)* Others: **5 to 15** *(0.2 to 0.6)*
	C	⇧**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

			BB, HZB, XZB
 mm *(in.)*	A	EX Grade	**169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*
	B		**1 to 6** *(0.04 to 0.24)*
	C*[1]	w/ Front drum brake:	⇧**50** *(2.0)*
		w/ Front disk brake:	⇧**45** *(1.8)*
			SAE J1703 or FMVSS No. 116 DOT3
245 N *(25 kgf, 55 lbf)* 			**6 to 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 to 14.2** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 N·m *(kgf-cm, ft-lbf)*		**515** *(5250, 380)*	

			BB, HZB	XZB
 liter *(US qts, lmp.qts)*	R 2 4 / 1 3 5	w/ cooler:	**3.9** *(4.1, 3.4)*	**3.0** *(3.2, 2.6)*
		w/o cooler:	**3.2** *(3.4, 2.8)*	
			API GL-4 or GL-5 SAE 75W-90	
	PRNDL		———	**6.0** *(6.3, 5.3)*
			Toyota Genuine ATF Type D-II	
 liter *(US qts, lmp.qts)*			**3.8** *(4.0, 3.3)*	
			Hypoid gear oil, API GL-5 SAE 90 (⇧ -18℃(0°F)) **SAE 80W or 80W-90** (⇩ -18℃(0°F))	
N·m *(kgf-cm, ft-lbf)*	A		**37** *(377, 27)*	
	B		**50** *(510, 37)*	

		BB, HZB, XZB
 mm *(in.)*		⇩ **40** *(1.6)*

		BB, HZB	XZB
	A	**0°00'±30'** *(0°±0.5°)*	**0°±45'** *(0°±0.75°)*
	B	**13°00'** *(13°)*	
	C	**4°30'±30'** *(4.5°±0.5°)*	**4°30'±45'** *(4.5°±0.75°)*
	D	BB59R: **43°00' to 46°00'** *(43° to 46°)* Others: **37°30' to 40°30'** *(37.5° to 40.5°)*	
	F-E mm *(in.)*	**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16, 215/70R17.5)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.0±1** *(0.08±0.04)* *(Tire Size 205/75R17.5)*	

 kPa *(kgf/cm²* *or bar, psi)*	**6.50R16-10PRLT**		**550** *(5.50, 80)*	**475** *(4.75, 69)*
	7.00R16 -10PRLT	**14B**	**500** *(5.00, 73)*[*2] **475** *(4.75, 69)*	**375** *(3.75, 54)*
		N04C-TQ	**525** *(5.25, 76)*	**300** *(3.00, 44)*
	7.00R16-12PRLT	**Except N04C-TQ**	**600** *(6.00, 87)*	**375** *(3.75, 54)*
		N04C-TQ	**550** *(5.50, 80)*	**300** *(3.00, 44)*
	215/70R17.5 118/116	Hong Kong	**525** *(5.25, 76)*	**325** *(3.25, 47)*
		Israel	**600** *(6.00, 87)*	**350** *(3.50, 51)*
		Australia	**550** *(5.50, 80)*	**300** *(3.00, 44)*
	215/70R17.5 112/110	Hong Kong	**450** *(4.50, 65)*	**300** *(3.00, 44)*
	205/75R17.5		**575** *(5.75, 83)*	**450** *(4.50, 65)*

*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

Diesel

BB42, 50
HZB50
XZB40, 50, 59

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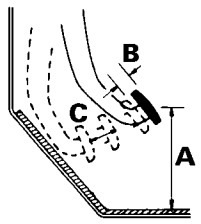
		BB, HZB, XZB			
20℃ (68°F)		**1.25 to 1.29**			
		14B	15B-FT	N04C-TQ	1HZ
	cm³ or cc *(cu. in.)*	**3661** *(223.4)*	**4104** *(250.4)*	**4009** *(244.5)*	**4164** *(254.1)*
※ **mm** *(in.)* **N** *(kgf)*		**11 to 16** *(0.43 to 0.63)* **※245 to 441** *(25 to 45)* (Single belt type) **14 to 20** *(0.55 to 0.79)* **※196 to 392** *(20 to 40)* (Double belt type)	**14 to 20** *(0.55 to 0.79)*	**10.5 to 12.5** (0.413 to 0.492) **※350 to 500** (36 to 51) (New belt) **12 to 13** (0.472 to 0.512) **※300 to 400** (31 to 41) (Used belt)	**8 to 11** *(0.31 to 0.43)*
		11 to 15 *(0.43 to 0.59)* **※147 to 343** *(15 to 35)*		**8.6 to 10.6** (0.339 to 0.417) **※404 to 576** (41 to 59) (New belt) **10.7 to 12.1** (0.421 to 0.476) **※294 to 392** (30 to 40) (Used belt)	**11 to 13** *(0.43 to 0.51)* **※ 539 to 735** *(55 to 75)*
20℃ *(68°F)* Ω		———			12V **0.75** / 24V **3.10**
20℃ *(68°F)* **secs**		—	Hong Kong **0.5**	—	12V **5.1 to 6.9** / 24V **1.0***1 G.C.C.*2 **4.25 to 5.75**
mm *(in.)*		**1.31 to 1.37** *(0.0516 to 0.0539)*	**3.7 to 3.8** *(0.1455 to 0.1494)*	—	**0.65 to 0.71***3 *(0.0256 to 0.0280)* **0.85 to 0.91***4 *(0.0335 to 0.0358)*
		○ × × × (14B, 15B-FT)		○ × × × (1HZ)	
kPa *(kgf/cm², psi)*		**17652 to 20594** *(180 to 210, 2560 to 2987)*	**16180 to 18630** *(165 to 190, 2350 to 2700)*	—	**14220 to 15200** *(145 to 155, 2062 to 2205)*
		19613 to 20594 *(200 to 210, 2845 to 2987)*	**17650 to 18630** *(180 to 190, 2560 to 2700)*	—	**14710 to 15690** *(150 to 160, 2133 to 2276)*

mm *(in.)*		**0.20** *(0.008)*		**0.30** *(0.0118)*	**0.15 to 0.25** *(0.006 to 0.010)*
		0.36 *(0.014)*		**0.45** *(0.0177)*	**0.35 to 0.45** *(0.014 to 0.018)*
rpm		**600 to 700**	**650 to 750**	**600 to 700**	**600 to 700**
		4050 to 4250	**3800 to 4000**	**3600 to 3700**	**4500 to 4700**
		2942 *(30.0, 427)*	**3138** *(32.0, 455)*	**3200** *(33.0, 464)*	**3628** *(37.0, 526)*
kPa *(kgf/cm², psi)*		**↑1961** *(20.0, 284)*		**↑2700** *(27.0, 392)*	**↑2648** *(27.0, 384)*
		↓196 *(2.0, 28)*		**↓290** *(3.0, 42)*	**↓490** *(5.0, 71)*
kPa *(kgf/cm², psi)*		**↑29** *(0.3, 4.3)*		**↑190** *(1.9, 27.6)*	**↑29** *(0.3, 4.3)*
	3,000 rpm	**245 to 588** *(2.5 to 6.0, 36 to 85)*		—	**250 to 600** *(2.5 to 6.1, 36 to 87)*

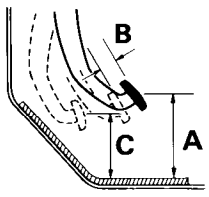
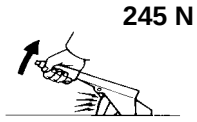
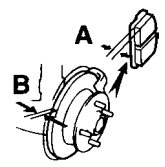
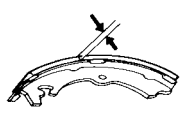
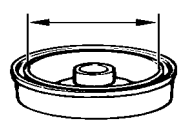
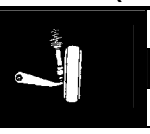
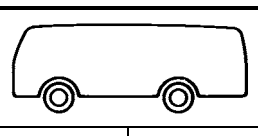
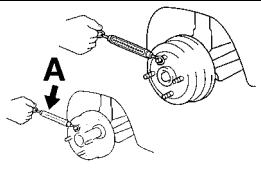
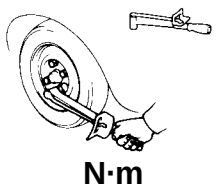
		14B	**15B-FT**	**N04C-TQ**	**1HZ**
liter *(US qts, Imp. qts)*		**7.8** *(8.2, 6.9)*		**7.5** *(7.9, 7.0)*	**8.5** *(9.0, 7.5)*
		8.6 *(9.1, 7.6)*		**8.5** *(9.0, 7.9)*	**9.8** *(10.4, 8.6)*
		Use API CF-4, CF or G-DLD-1 **(You may also use API CE or API CD.)**			
N·m *(kgf-cm, ft-lbf)*	A	**35** *(360, 26)*		**41** *(418, 30)*	**34.3** *(350, 25)*
liter *(US qts, Imp. qts)*		**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, 13.2)* **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** **13.2** *(13.9, 11.6)* **w/ Front and Rear Heaters** **14.1** *(14.9, 12.4)* **w/o Front and Rear Heaters** **13.0** *(13.7, 11.4)*	**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)*

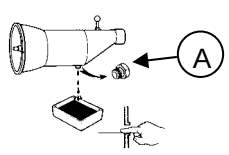
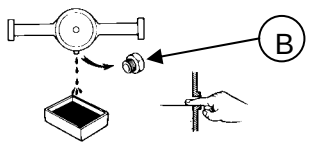
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BB, HZB, XZB

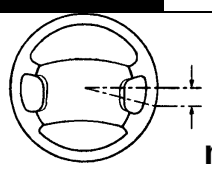
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	15B-FT: **10 to 25** *(0.4 to 1.0)* Others: **5 to 15** *(0.2 to 0.6)*
	C	⇧**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

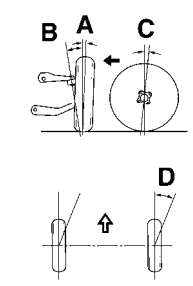
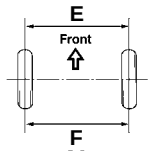
BB, HZB, XZB

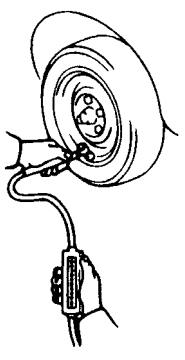
 mm *(in.)*	A	EX Grade **169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*
	B	**1 to 6** *(0.04 to 0.24)*
	C*[1]	w/ Front drum brake: ⇧**50** *(2.0)* w/ Front disk brake: ⇧**45** *(1.8)*
		SAE J1703 or FMVSS No. 116 DOT3
245 N *(25 kgf, 55 lbf)* 		**6 to 8**
 mm *(in.)*	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 to 14.2** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 N·m *(kgf-cm, ft-lbf)*	**515** *(5250, 380)*	

		BB, HZB	XZB
 liter *(US qts, Imp.qts)*		w/ cooler: **3.9** *(4.1, 3.4)* w/o cooler: **3.2** *(3.4, 2.8)*	**3.0** *(3.2, 2.6)*
		API GL-4 or GL-5 SAE 75W-90	
		———	**6.0** *(6.3, 5.3)*
		Toyota Genuine ATF Type D-II	
 liter *(US qts, Imp.qts)*		**3.8** *(4.0, 3.3)*	
		Hypoid gear oil, API GL-5 SAE 90 (⇧ -18℃(0°F)) **SAE 80W or 80W-90** (⇩ -18℃(0°F))	
N·m *(kgf-cm, ft-lbf)*	Ⓐ	**37** *(377, 27)*	
	Ⓑ	**50** *(510, 37)*	

BB, HZB, XZB

 mm *(in.)*		⇩ **40** *(1.6)*

		BB, HZB	XZB
	A	**0°00'±30'** *(0°±0.5°)*	**0°±45'** *(0°±0.75°)*
	B	**13°00'** *(13°)*	
	C	**4°30'±30'** *(4.5°±0.5°)*	**4°30'±45'** *(4.5°±0.75°)*
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*	
	**F-E** mm *(in.)*	**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16, 215/70R17.5)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)* **2.0±1** *(0.08±0.04)* *(Tire Size 205/75R17.5)*	

 kPa *(kgf/cm²* *or bar, psi)*	**6.50R16-10PRLT**		**550** *(5.50, 80)*	**475** *(4.75, 69)*
	7.00R16 -10PRLT	**14B**	**500** *(5.00, 73)*[2] **475** *(4.75, 69)*	**375** *(3.75, 54)*
		N04C-UH	**525** *(5.25, 76)*	**300** *(3.00, 44)*
	7.00R16-12PRLT	**Except N04C-UH**	**600** *(6.00, 87)*	**375** *(3.75, 54)*
		N04C-UH	**550** *(5.50, 80)*	**300** *(3.00, 44)*
	215/70R17.5 118/116	Hong Kong	**525** *(5.25, 76)*	**325** *(3.25, 47)*
		Israel	**600** *(6.00, 87)*	**350** *(3.50, 51)*
		Australia	**550** *(5.50, 80)*	**300** *(3.00, 44)*
	215/70R17.5 112/110	Hong Kong	**450** *(4.50, 65)*	**300** *(3.00, 44)*
	205/75R17.5		**575** *(5.75, 83)*	**450** *(4.50, 65)*

*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

Diesel

BB42, 50
HZB50
XZB40, 50

TOYOTA QUALITY SERVICE

		BB, HZB, XZB			
20℃ (68°F)		**1.25 to 1.29**			
		14B	15B-FT	N04C-UH	1HZ
	cm³ or cc *(cu. in.)*	**3661** *(223.4)*	**4104** *(250.4)*	**4009** *(244.5)*	**4164** *(254.1)*
※ **mm** *(in.)* **N** *(kgf)*		**11 to 16** *(0.43 to 0.63)* **※245 to 441** *(25 to 45)* (Single belt type) **14 to 20** *(0.55 to 0.79)* **※196 to 392** *(20 to 40)* (Double belt type)	**14 to 20** *(0.55 to 0.79)*	**10.5 to 12.5** (0.413 to 0.492) **※350 to 500** (36 to 51) (New belt) **12 to 13** (0.472 to 0.512) **※300 to 400** (31 to 41) (Used belt)	**8 to 11** *(0.31 to 0.43)*
		11 to 15 *(0.43 to 0.59)* **※147 to 343** *(15 to 35)*		**8.6 to 10.6** (0.339 to 0.417) **※404 to 576** (41 to 59) (New belt) **10.7 to 12.1** (0.421 to 0.476) **※294 to 392** (30 to 40) (Used belt)	**11 to 13** *(0.43 to 0.51)* **※539 to 735** *(55 to 75)*
20℃ *(68°F)* Ω		—			12V **0.75** / 24V **3.10**
20℃ *(68°F)* **secs**		—	Hong Kong **0.5**	—	12V **5.1 to 6.9** / 24V **1.0***1 G.C.C.*2 **4.25 to 5.75**
mm *(in.)*		**1.31 to 1.37** *(0.0516 to 0.0539)*	**3.7 to 3.8** *(0.1455 to 0.1494)*	—	**0.65 to 0.71** *(0.0256 to 0.0280)* **0.85 to 0.91** *(0.0335 to 0.0358)*
		(14B, 15B-FT)		(1HZ)	
kPa *(kgf/cm², psi)*		**17652 to 20594** *(180 to 210, 2560 to 2987)*	**16180 to 18630** *(165 to 190, 2350 to 2700)*	—	**14220 to 15200** *(145 to 155, 2062 to 2205)*
		19613 to 20594 *(200 to 210, 2845 to 2987)*	**17650 to 18630** *(180 to 190, 2560 to 2700)*	—	**14710 to 15690** *(150 to 160, 2133 to 2276)*

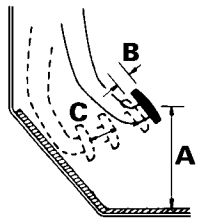
mm *(in.)*		**0.20** *(0.008)*		**0.30** *(0.0118)*	**0.15 to 0.25** *(0.006 to 0.010)*
		0.36 *(0.014)*		**0.45** *(0.0177)*	**0.35 to 0.45** *(0.014 to 0.018)*
rpm		**600 to 700**	**650 to 750**	MT: **600 to 700** AT: **550 to 650**	**600 to 700**
		4050 to 4250	**3800 to 4000**	**3600 to 3700**	**4500 to 4700**
kPa *(kgf/cm², psi)*		**2942** *(30.0, 427)*	**3138** *(32.0, 455)*	**3200** *(33.0, 464)*	**3628** *(37.0, 526)*
		⬆**1961** *(20.0, 284)*		⬆**2700** *(28.0, 392)*	⬆**2648** *(27.0, 384)*
		⬇**196** *(2.0, 28)*		⬇**290** *(3.0, 42)*	⬇**490** *(5.0, 71)*
kPa *(kgf/cm², psi)*		⬆**29** *(0.3, 4.3)*		⬆**190** *(1.9, 27.6)*	⬆**29** *(0.3, 4.3)*
	3,000 rpm	**245 to 588** *(2.5 to 6.0, 36 to 85)*		—	**250 to 600** *(2.5 to 6.1, 36 to 87)*

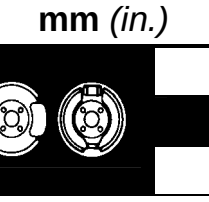
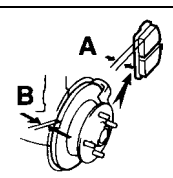
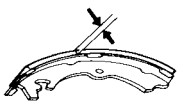
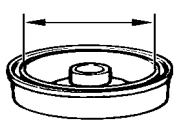
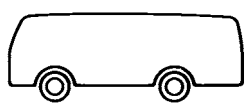
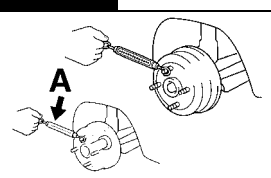
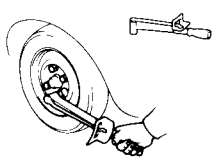
		14B	**15B-FT**	**N04C-UH**	**1HZ**
liter *(US qts, lmp. qts)*		**7.8** *(8.2, 6.9)*		**6.1** *(6.4, 5.4)*	**8.5** *(9.0, 7.5)*
		8.6 *(9.1, 7.6)*		**7.3** *(7.7, 6.4)*	**9.8** *(10.4, 8.6)*

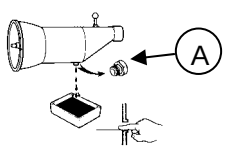
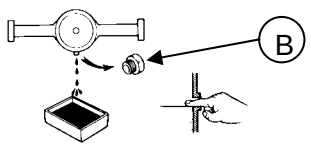
Except N04C-UH:
Use API CF-4, CF or G-DLD-1
(You may also use API CE or API CD.)

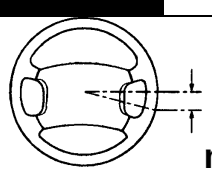
N04C-UH: 10W-30, 20W-50 and 15W-40
API grade (CD, CE, CF, CH-4, CI-4 or CJ-4),
JASO (DH-1 or DH-2), or ACEA (E-3, E-4, E-5, E-6 or E-9)

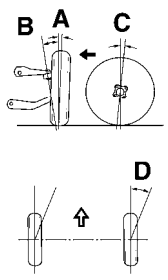
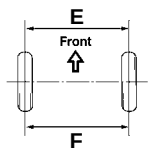
N·m *(kgf-cm, ft-lbf)*	Ⓐ	**35** *(360, 26)*		**41** *(418, 30)*	**34.3** *(350, 25)*
liter *(US qts, lmp. qts)*		w/ Front Heater **14.2** *(15.0, 12.5)* w/ Front and Rear Heaters **15.0** *(15.9, 13.2)* **16.3** *(17.2, 14.3)**1 w/o Front and Rear Heaters **11.8** *(12.5, 10.4)*	w/ Front Heater **15.0** *(15.9, 13.2)* 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 **13.2** *(13.9, 11.6)* w/ Front and Rear Heaters **14.1** *(14.9, 12.4)* w/o Front and Rear Heaters **13.0** *(13.7, 11.4)*	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)*

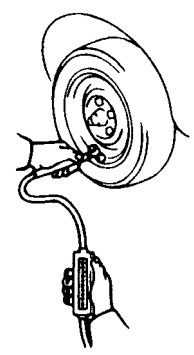
		BB, HZB, XZB
 mm *(in.)*	A	EX Grade **161.8 to 171.8** *(6.370 to 6.764)* Others **164.8 to 174.8** *(6.488 to 6.882)*
	B	15B-FT: **10 to 25** *(0.4 to 1.0)* Others: **5 to 15** *(0.2 to 0.6)*
	C	⬆**25** *(0.98)*
		SAE J1703 or FMVSS No. 116 DOT3

		BB, HZB, XZB	
 mm *(in.)*	A	EX Grade **169.2 to 179.2** *(6.661 to 7.055)* Others **172.2 to 182.2** *(6.780 to 7.173)*	
	B	**1 to 6** *(0.04 to 0.24)*	
	C*[1]	w/ Front drum brake: ⬆**50** *(2.0)* w/ Front disk brake: ⬆**45** *(1.8)*	
		SAE J1703 or FMVSS No. 116 DOT3	
245 N *(25 kgf, 55 lbf)*		**6 to 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 to 14.2** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*		**515** *(5250, 380)*	

		BB, HZB	XZB
 **liter** *(US qts, Imp.qts)*	R 2 4 / 1 3 5	w/ cooler: **3.9** *(4.1, 3.4)* w/o cooler: **3.2** *(3.4, 2.8)*	**3.0** *(3.2, 2.6)*
		API GL-4 or GL-5 SAE 75W-90	
	PRNDL	———	**6.0** *(6.3, 5.3)*
		Toyota Genuine ATF Type D-II	
 **liter** *(US qts, Imp.qts)*		**3.8** *(4.0, 3.3)*	
		Hypoid gear oil, API GL-5 SAE 90 (⬆ -18℃(0°F)) **SAE 80W or 80W-90** (⬇ -18℃(0°F))	
N·m *(kgf-cm, ft-lbf)*	A	**37** *(377, 27)*	
	B	**50** *(510, 37)*	

		BB, HZB	XZB
 mm *(in.)*		⬇ **40** *(1.6)*	

		BB, HZB	XZB
	A	**0°00’±30’** *(0°±0.5°)*	**0°±45’** *(0°±0.75°)*
	B	**13°00’** *(13°)*	
	C	**4°30’±30’** *(4.5°±0.5°)*	**4°30’±45’** *(4.5°±0.75°)*
	D	**37°30’ to 40°30’** *(37.5° to 40.5°)*	
	**F-E** mm *(in.)*	**2.5±1** *(0.098±0.039)* *(Tire Size 6.50R16, 215/70R17.5)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)*	

				BB, HZB	XZB
 **kPa** *(kgf/cm²* *or bar, psi)*	**6.50R16-10PRLT**			**550** *(5.50, 80)*	**475** *(4.75, 69)*
	7.00R16-10PRLT	**14B**		**500** *(5.00, 73)*[*2] **475** *(4.75, 69)*	**375** *(3.75, 54)*
		XZB40L		**500** *(5.00, 73)*	**375** *(3.75, 54)*
		XZB50L		**600** *(6.00, 87)*	**375** *(3.75, 54)*
	7.00R16-12PRLT	**1HZ**		**600** *(6.00, 87)*	**375** *(3.75, 54)*
		N04C-UH		**550** *(5.50, 80)*	**325** *(3.25, 47)*
	215/70R17.5 112/110			**450** *(4.50, 65)*	**300** *(3.00, 44)*
	215/70R17.5 118/116			**525** *(5.25, 76)*	**325** *(3.25, 47)*

*[1] When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*[2] G.C.C. countries (Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait)

Coaster

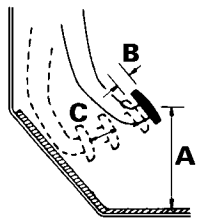
Diesel

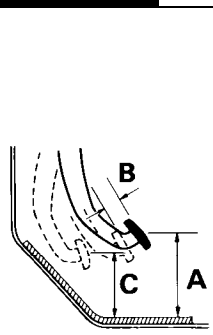
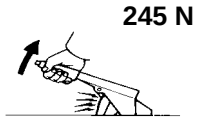
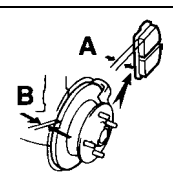
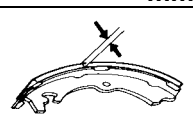
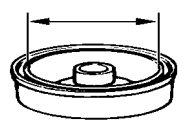
BB42
HZB50
XZB40, 50

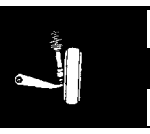
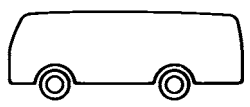
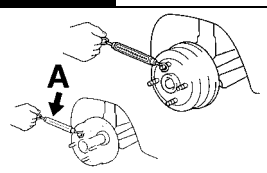
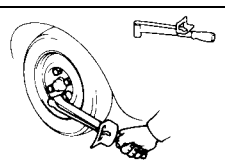
TOYOTA QUALITY SERVICE

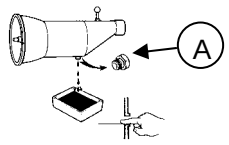
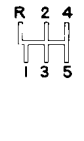
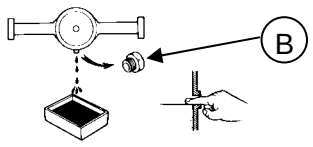
		BB, HZB, XZB			
20℃ (68°F)		**1.25 to 1.29**			
		14B	**N04C-UH**	**N04C-VL**	**1HZ**
	cm³ or cc *(cu. in.)*	**3661** *(223.4)*	**4009** *(244.5)*		**4164** *(254.1)*
※		**11 to 16** *(0.43 to 0.63)* **※245 to 441** *(25 to 45)* (Single belt type) **14 to 20** *(0.55 to 0.79)* **※196 to 392** *(20 to 40)* (Double belt type)	**10.5 to 12.5** (0.413 to 0.492) **※350 to 500** (36 to 51) (New belt) **12 to 13** (0.472 to 0.512) **※300 to 400** (31 to 41) (Used belt)		**8 to 11** *(0.31 to 0.43)*
mm *(in.)* **N** *(kgf)*		**11 to 15** *(0.43 to 0.59)* **※147 to 343** *(15 to 35)*	**8.6 to 10.6** (0.339 to 0.417) **※404 to 576** (41 to 59) (New belt) **10.7 to 12.1** (0.421 to 0.476) **※294 to 392** (30 to 40) (Used belt)		**11 to 13** *(0.43 to 0.51)* **※539 to 735** *(55 to 75)*
20℃ *(68°F)* Ω		—		12V	**0.75**
				24V	**3.10**
20℃ *(68°F)* **secs**		—		12V	**5.1 to 6.9**
				24V	**1.0***1 G.C.C.*2 **4.25 to 5.75**
mm *(in.)*		**1.31 to 1.37** *(0.0516 to 0.0539)*	—		**0.65 to 0.71** *(0.0256 to 0.0280)* **0.85 to 0.91** *(0.0335 to 0.0358)*
		(14B)			(1HZ)
kPa *(kgf/cm², psi)*		**17652 to 20594** *(180 to 210, 2560 to 2987)*	—		**14220 to 15200** *(145 to 155, 2062 to 2205)*
		19613 to 20594 *(200 to 210, 2845 to 2987)*	—		**14710 to 15690** *(150 to 160, 2133 to 2276)*

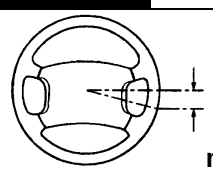
mm *(in.)*		**0.20** *(0.008)*	**0.30** *(0.0118)*	**0.15 to 0.25** *(0.006 to 0.010)*
		0.36 *(0.014)*	**0.45** *(0.0177)*	**0.35 to 0.45** *(0.014 to 0.018)*
rpm		**600 to 700**	MT: **600 to 700** AT: **550 to 650**	**600 to 700**	**600 to 700**
		4050 to 4250	**3600 to 3700**		**4500 to 4700**
kPa *(kgf/cm², psi)*		**2942** *(30.0, 427)*	**3200** *(33.0, 464)*		**3628** *(37.0, 526)*
		⬆**1961** *(20.0, 284)*	⬆**2700** *(28.0, 392)*		⬆**2648** *(27.0, 384)*
		⬇**196** *(2.0, 28)*	⬇**290** *(3.0, 42)*		⬇**490** *(5.0, 71)*
kPa *(kgf/cm², psi)*		⬆**29** *(0.3, 4.3)*	⬆**190** *(1.9, 27.6)*		⬆**29** *(0.3, 4.3)*
	3,000 rpm	**245 to 588** *(2.5 to 6.0, 36 to 85)*	—		**250 to 600** *(2.5 to 6.1, 36 to 87)*
		14B	**N04C-UH**	**N04C-VL**	**1HZ**
liter *(US qts, lmp. qts)*		**7.8** *(8.2, 6.9)*	**6.1** *(6.4, 5.4)*		**8.5** *(9.0, 7.5)*
		8.6 *(9.1, 7.6)*	**7.3** *(7.7, 6.4)*		**9.8** *(10.4, 8.6)*
		14B, 1HZ: **Use API CF-4, CF or G-DLD-1** **(You may also use API CE or API CD.)** **N04C-UH: 10W-30, 20W-50 and 15W-40** **API grade (CD, CE, CF, CH-4, CI-4 or CJ-4),** **JASO (DH-1 or DH-2), or ACEA (E-3, E-4, E-5, E-6 or E-9)** **N04C-VL: 5W-30, 10W-30 and 15W-40** **API grade (CJ-4),** **JASO (DH-2), or ACEA (E-6 or E-9)**		
N·m *(kgf-cm, ft-lbf)*	Ⓐ	**35** *(360, 26)*	**41** *(418, 30)*		**34.3** *(350, 25)*
liter *(US qts, lmp. qts)*		**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** **13.2** *(13.9, 11.6)* **w/ Front and Rear Heaters** **14.1** *(14.9, 12.4)* **w/o Front and Rear Heaters** **13.0** *(13.7, 11.4)*		**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)*

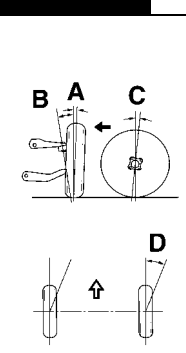
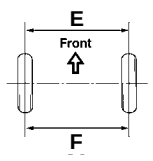
		BB, HZB, XZB
 mm *(in.)*	A	**165 to 172** *(6.50 to 6.77)*
	B	**5 to 20** *(0.197 to 0.787)*
	C	⇧**25** *(0.984)*
		**SAE J1703 or FMVSS No. 116 DOT3**

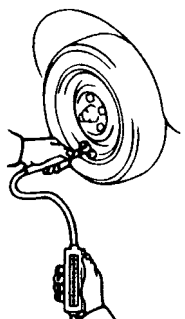
		BB, HZB, XZB
 mm *(in.)*	A	**EX Grade:** **169.2 to 179.2** *(6.661 to 7.055)* **Others:** **172.2 to 182.2** *(6.780 to 7.173)* **w/ Brake pedal Load Sensing Switch:** **172 to 179** *(6.771 to 7.047)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*
	C*1	⇧**45** *(1.8)*
		**SAE J1703 or FMVSS No. 116 DOT3**
 **245 N** *(25 kgf, 55 lbf)*		**6 to 8**
 mm *(in.)*	A	⇧**1.0** *(0.039)*
	B	⇧**33.0** *(1.299)*
 mm *(in.)*		⇧**1.5** *(0.0591)*
		⇧**4.2** *(0.165)*
 mm *(in.)*		**Short Wheelbase:** ⇩**161** *(6.34)*
		Long Wheelbase: ⇩**201** *(7.91)*
		⇩**322** *(12.68)*

		
 **N** *(kgf, lbf)*	**5.0 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N·m** *(kgf-cm, ft-lbf)*	**515** *(5252, 380)*	

		BB, HZB	XZB
 **liter** *(US qts, lmp.qts)*		**w/ cooler:** **3.8** *(4.0, 3.3)* **w/o cooler:** **3.2** *(3.4, 2.8)*	**3.0** *(3.2, 2.6)*
		API GL-4 or GL-5 SAE 75W-90	
		-	**6.0** *(6.3, 5.3)*
		-	**Toyota Genuine ATF Type D-II**
 **liter** *(US qts, lmp.qts)*		**3.8** *(4.0, 3.3)*	
		Hypoid gear oil, API GL-5 SAE 90	
N·m *(kgf-cm, ft-lbf)*	A	**37** *(379, 27)*	**37** *(379, 27)**2 **27** *(257, 20)**3
	B	**50** *(510, 37)*	

		BB, HZB, XZB
 mm *(in.)*		⇩ **40** *(1.575)*

		BB, HZB, XZB
	A	**0°00’±30’** *(0°±0.5°)*
	B	**13°00’** *(13°)*
	C	**4°30’±30’** *(4.5°±0.5°)*
	D	**37°30’ to 40°30’** *(37.5° to 40.5°)*
	**F-E** mm *(in.)*	**2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)*

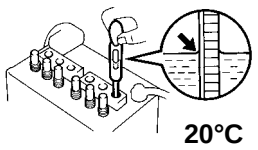
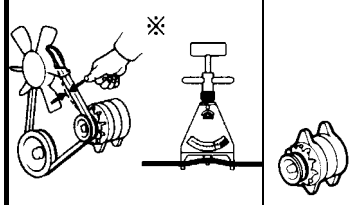
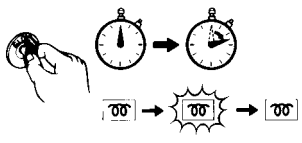
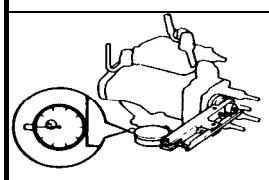
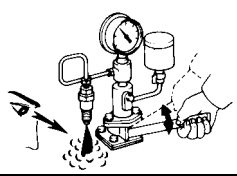
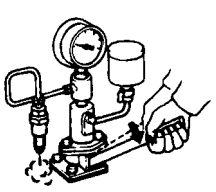
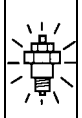
 **kPa** *(kgf/cm²* *or bar, psi)*	**7.00R16-10PR LT**	**14B**	**525** *(5.25, 76)*	**375** *(3.75, 54)*
	7.00R16-12PR LT	**1HZ, N04C**	**600** *(6.00, 87)*	**375** *(3.75, 54)*
	215/70R17.5 118/116N LT	**XZB60, 14B**	**475** *(4.75, 69)*	**300** *(3.00, 44)*
		XZB70, 1HZ	**525** *(5.25, 76)*	**325** *(3.25, 47)*

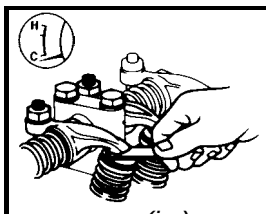
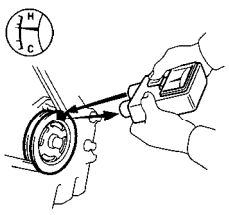
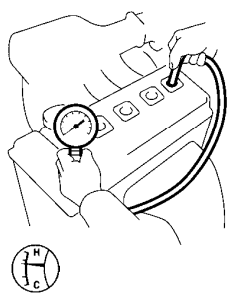
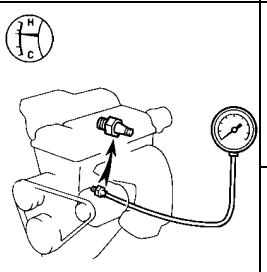
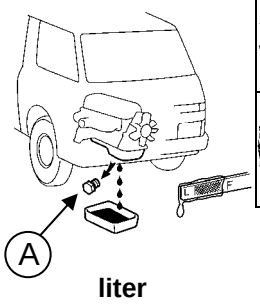
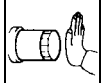
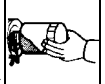
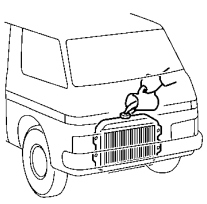
*1: When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: Manual Transmission *3: Automatic Transmission

COASTER Diesel

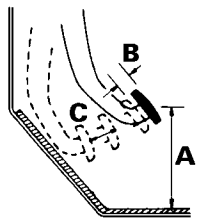
BB60
HZB70
XZB60, 70

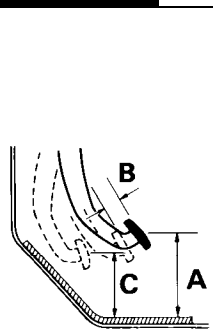
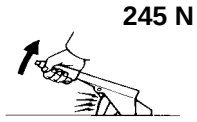
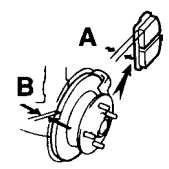
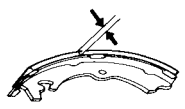
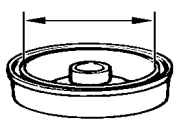
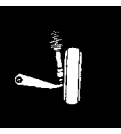
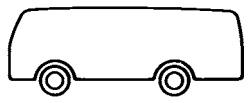
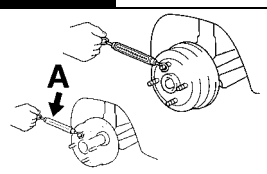
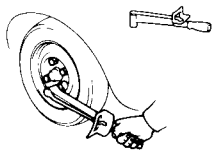
TOYOTA QUALITY SERVICE

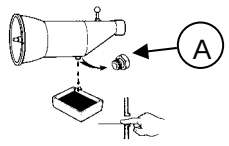
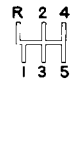
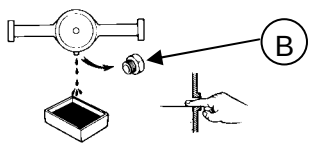
		BB, HZB, XZB				
 **20°C** (68°F)		**1.25 to 1.29**				
		14B	**1HZ**	**N04C-UH**	**N04C-VL**	**N04C-VQ**
	cm³ or cc *(cu. in.)*	**3661** *(223.4)*	**4164** *(254.1)*	**4009** *(244.5)*		
 **mm** *(in.)* **N** *(kgf)*		**11 to 16** *(0.43 to 0.63)* **※245 to 441** *(25 to 45)* (Single belt type) **14 to 20** *(0.55 to 0.79)* **※196 to 392** *(20 to 40)* (Double belt type)	**8 to 11** *(0.31 to 0.43)*	**10.5 to 12.5** (0.413 to 0.492) **※350 to 500** (36 to 51) (New belt) **12 to 13** (0.472 to 0.512) **※300 to 400** (31 to 41) (Used belt)		
		**11 to 15** *(0.43 to 0.59)* **※196 to 392** *(20 to 40)*	**11 to 13** *(0.43 to 0.51)* **※637 to 838** *(65 to 85)*	**8.6 to 10.6** (0.339 to 0.417) **※404 to 576** (41 to 59) (New belt) **10.7 to 12.1** (0.421 to 0.476) **※294 to 392** (30 to 40) (Used belt)		
20℃ *(68°F)*  Ω		-	**0.75**	-		
20℃ *(68°F)*  **secs**		-	**5.1 to 6.9**	-		
 **mm** *(in.)*		**1.31 to 1.37** *(0.0516 to 0.0539)*	**0.65 to 0.71** *(0.0256 to 0.0280)* **0.85 to 0.91** *(0.0335 to 0.0358)*	-		
		O X X X		-		
 **kPa** *(kgf/cm², psi)*		**17650 to 20590** *(180 to 210, 2560 to 2990)*	**13239 to 15200** *(135 to 155, 1920 to 2205)*	-		
		**19610 to 20590** *(200 to 210, 2840 to 2990)*	**14220 to 15200** *(145 to 155, 2062 to 2205)*	-		

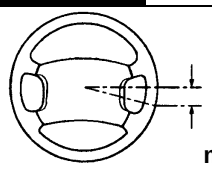
 **mm** *(in.)*		**0.20** *(0.008)*	**0.15 to 0.25** *(0.006 to 0.010)*	**0.30** *(0.0118)*		
		**0.36** *(0.014)*	**0.35 to 0.45** *(0.014 to 0.018)*	**0.45** *(0.0177)*		
 **rpm**		**600 to 700**	**600 to 700**	**MT: 600 to 700 AT: 550 to 650**	**600 to 700**	
		**4050 to 4250**	**4500 to 4700**	**3600 to 3700**		
 **kPa** *(kgf/cm², psi)*		**2942** *(30.0, 427)*	**3628** *(37.0, 526)*	**3200** *(33, 464)*	**3200** *(32.6, 464)*	
		⬆**1961** *(20.0, 284)*	⬆**2648** *(27.0, 384)*	⬆**2700** *(28, 392)*	⬆**2700** *(27.5, 392)*	
		⬇**196** *(2.0, 28)*	⬇**490** *(5.0, 71)*	⬇**290** *(3.0, 42)*		
 **kPa** *(kgf/cm², psi)*		⬆**29** *(0.3, 4.3)*	⬆**29** *(0.3, 4.3)*	⬆**190** *(1.9, 27.6)*		
	3000 rpm 	**250 to 588** *(2.5 to 6.0, 36 to 85)*	**245 to 588** *(2.5 to 6.0, 36 to 85)*	-		
		14B	**1HZ**	**N04C-UH**	**N04C-VL**	**N04C-VQ**
 **liter** *(US qts, lmp. qts)*		**8.4** *(8.9, 7.4)*	**8.5** *(9.0, 7.5)*	**6.1** *(6.4, 5.4)*		**6.3** *(6.7, 5.5)*
		**9.3** *(9.8, 8.2)*	**9.8** *(10.4, 8.6)*	**7.3** *(7.7, 6.4)*		**7.7** *(8.1, 6.8)*
		Use API CF-4, CF or G-DLD-1 (You may also use API CE or API CD.)		**10W-30, 20W-50 and 15W-40 API grade (CD, CE, CF, CH-4, CI-4 or CJ-4), JASO (DH-1 or DH-2), or ACEA (E-3, E-4, E-5, E-6 or E-9)**	**5W-30, 10W-30 and 15W-40 API grade (CJ-4), JASO (DH-2), or ACEA (E-6 or E-9)**	**10W-30 and 15W-40 API (CI-4, CI-4 PLUS or CJ-4) ACEA (E-4, E-6, E-7 or E-9) API CJ-4, ACEA E-6, E-9 is preferred**
N·m *(kgf-cm, ft-lbf)*	Ⓐ	**35** *(360, 26)*	**34.3** *(350, 25)*	**41** *(418, 30)*		
 **liter** *(US qts, lmp. qts)*		**14.2** *(15.0, 12.5)*1* **15.0** *(15.9, 13.2)*2* **11.8** *(12.5, 10.4)*3*	**15.9** *(16.8, 14.0)*1* **16.9** *(17.9, 14.9)*2* **14.0** *(14.8, 12.3)*3*	**13.2** *(13.9, 11.6)*1* **14.1** *(14.9, 12.4)*2* **13.0** *(13.7, 11.4)*3*		

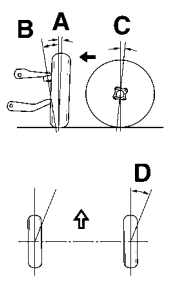
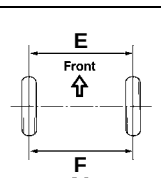
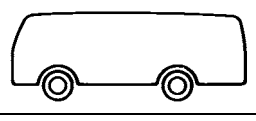
*1: w/ Front Heater *2: w/ Front and Rear Heaters *3: w/o Front and Rear Heaters

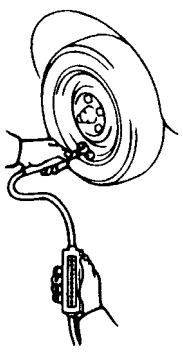
		BB, HZB, XZB
 **mm** *(in.)*	**A**	**165 to 172** *(6.50 to 6.77)*
	B	**5 to 20** *(0.197 to 0.787)*
	C	**25** *(0.984)*
		**SAE J1703 or FMVSS No. 116 DOT3**

		BB, HZB, XZB
 **mm** *(in.)*	**A**	**EX Grade:** **169.2 to 179.2** *(6.661 to 7.055)* **Others:** **172.2 to 182.2** *(6.780 to 7.173)* **w/ Brake pedal Load Sensing Switch:** **172 to 179** *(6.77 to 7.05)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*
	C*1	**45** *(1.8)*
		**SAE J1703 or FMVSS No. 116 DOT3**
		SAE J1704 or FMVSS No. 116 DOT4
 **245 N** *(25 kgf, 55 lbf)*		**6 to 8**
 **mm** *(in.)*	**A**	**1.0** *(0.039)*
	B	**33.0** *(1.299)*
 **mm** *(in.)*		**1.5** *(0.0591)*
		**4.2** *(0.165)*
 **mm** *(in.)*		**161** *(6.34)*4*
		201 *(7.91)*5*
		**322** *(12.68)*
		
 **N** *(kgf, lbf)*	**5.0 to 14** *(0.5 to 1.4, 1.1 to 3.1)*	**10 to 29** *(1.0 to 3.0, 2.2 to 6.6)*
 **N*m** *(kgf*cm, ft.*lbf)*	**515** *(5252, 380)*	

		BB, HZB	XZB
 **liter** *(US qts, lmp.qts)*		**w/ cooler:** **3.8** *(4.0, 3.3)* **w/o cooler:** **3.2** *(3.4, 2.8)*	**3.0** *(3.2, 2.6)*
		API GL-4 or GL-5 **SAE 75W-90**	
		-	**6.0** *(6.3, 5.3)*
		-	**Toyota Genuine ATF Type D-II**
 **liter** *(US qts, lmp.qts)*		**3.8** *(4.0, 3.3)*	
		Hypoid gear oil, API GL-5 **SAE 90**	
N*m *(kgf*cm, ft.*lbf)*	Ⓐ	**37** *(379, 27)*	**37** *(379, 27)*2* **27** *(257, 20)*3*
	Ⓑ	**50** *(510, 37)*	

		BB, HZB, XZB
 **mm** *(in.)*		**40** *(1.575)*

		BB, HZB, XZB
	**A**	**0°00'±30'** *(0°±0.5°)*
	B	**13°00'** *(13°)*
	C	**4°30'±30'** *(4.5°±0.5°)*
	D	**37°30' to 40°30'** *(37.5° to 40.5°)*
 **mm** *(in.)*	**F-E**	**2.5±1** *(0.098±0.039)* *(Tire Size 215/70R17.5)* **3.5±1** *(0.138±0.039)* *(Tire Size 7.00R16)*
		

 **kPa** *(kgf/cm^2, psi)*	**Please refer to Repair Manual** **(Service Specifications / Tire and Wheel)**

*1: When brake pedal is depressed with the force of 500 N (51 kgf, 112 lbf) while the engine is running.
*2: Manual Transmission *3: Automatic Transmission *4: for Parking Brake Drum with Inner Diameter of 160 mm
*5: for Parking Brake Drum with Inner Diameter of 200 mm

COASTER Diesel

BB60
HZB70
XZB60, 70

TOYOTA QUALITY SERVICE

		BB, HZB, XZB				
*4		**Engine startability*5**				
20°C *(68°F)*		**1.25 to 1.29**				
		14B	**1HZ**	**N04C-UH**	**N04C-VL**	**N04C-VQ**
	cm³ or cc *(cu. in.)*	**3661** *(223.4)*	**4164** *(254.1)*	**4009** *(244.5)*		
※	**mm** *(in.)* **N** *(kgf)*	**11 to 16** *(0.43 to 0.63)* **※245 to 441** *(25 to 45)* (Single belt type)	**8 to 11** *(0.31 to 0.43)*	**10.5 to 12.5** (0.413 to 0.492) **※350 to 500** (36 to 51) (New belt)		
		14 to 20 *(0.55 to 0.79)* **※196 to 392** *(20 to 40)* (Double belt type)		**12 to 13** (0.472 to 0.512) **※300 to 400** (31 to 41) (Used belt)		
		11 to 15 *(0.43 to 0.59)* **※196 to 392** *(20 to 40)*	**11 to 13** *(0.43 to 0.51)* **※637 to 838** *(65 to 85)*	**8.6 to 10.6** (0.339 to 0.417) **※404 to 576** (41 to 59) (New belt)		
				10.7 to 12.1 (0.421 to 0.476) **※294 to 392** (30 to 40) (Used belt)		
20℃ *(68°F)* **Ω**		-	**0.75**	**-**		
20℃ *(68°F)* **secs**		-	**5.1 to 6.9**	**-**		
	mm *(in.)*	**1.31 to 1.37** *(0.0516 to 0.0539)*	**0.65 to 0.71** *(0.0256 to 0.0280)*	**-**		
			0.85 to 0.91 *(0.0335 to 0.0358)*			
		O X X X		**-**		
	kPa *(kgf/cm², psi)*	**17650 to 20590** *(180 to 210, 2560 to 2990)*	**13239 to 15200** *(135 to 155, 1920 to 2205)*	**-**		
		19610 to 20590 *(200 to 210, 2840 to 2990)*	**14220 to 15200** *(145 to 155, 2062 to 2205)*	**-**		

	mm *(in.)*	**0.20** *(0.008)*	**0.15 to 0.25** *(0.006 to 0.010)*	**0.30** *(0.0118)*		
		0.36 *(0.014)*	**0.35 to 0.45** *(0.014 to 0.018)*	**0.45** *(0.0177)*		
	rpm	**600 to 700**	**600 to 700**	**MT: 600 to 700 AT: 550 to 650**	**600 to 700**	
		4050 to 4250	**4500 to 4700**	**3600 to 3700**		
	kPa *(kgf/cm², psi)*	**2942** *(30.0, 427)*	**3628** *(37.0, 526)*	**3200** *(33, 464)*	**3200** *(32.6, 464)*	
		↑**1961** *(20.0, 284)*	↑**2648** *(27.0, 384)*	↑**2700** *(28, 392)*	↑**2700** *(27.5, 392)*	
		↓**196** *(2.0, 28)*	↓**490** *(5.0, 71)*	↓**290** *(3.0, 42)*		
	kPa *(kgf/cm², psi)*	↑**29** *(0.3, 4.3)*	↑**29** *(0.3, 4.3)*	↑**190** *(1.9, 27.6)*		
		3000 rpm **250 to 588** *(2.5 to 6.0, 36 to 85)*	**245 to 588** *(2.5 to 6.0, 36 to 85)*	-		
		14B	**1HZ**	**N04C-UH**	**N04C-VL**	**N04C-VQ**
	liter *(US qts, lmp. qts)*	**8.4** *(8.9, 7.4)*	**8.5** *(9.0, 7.5)*	**6.1** *(6.4, 5.4)*		**6.3** *(6.7, 5.5)*
		9.3 *(9.8, 8.2)*	**9.8** *(10.4, 8.6)*	**7.3** *(7.7, 6.4)*		**7.7** *(8.1, 6.8)*
		Use API CF-4, CF or G-DLD-1 (You may also use API CE or API CD.)		**10W-30, 20W-50 and 15W-40 API grade (CD, CE, CF, CH-4, CI-4 or CJ-4), JASO (DH-1 or DH-2), or ACEA (E-3, E-4, E-5, E-6 or E-9)**	**5W-30, 10W-30 and 15W-40 API grade (CJ-4), JASO (DH-2), or ACEA (E-6 or E-9)**	**10W-30 and 15W-40 API (CI-4, CI-4 PLUS or CJ-4) ACEA (E-4, E-6, E-7 or E-9) API CJ-4, ACEA E-6, E-9 is preferred**
Ⓐ	**N*m** *(kgf*cm, ft.*lbf)*	**35** *(360, 26)*	**34.3** *(350, 25)*	**41** *(418, 30)*		
	liter *(US qts, lmp. qts)*	**14.2** *(15.0, 12.5)*1* **15.0** *(15.9, 13.2)*2* **11.8** *(12.5, 10.4)*3*	**15.9** *(16.8, 14.0)*1* **16.9** *(17.9, 14.9)*2* **14.0** *(14.8, 12.3)*3*	**13.2** *(13.9, 11.6)*1* **14.1** *(14.9, 12.4)*2* **13.0** *(13.7, 11.4)*3*		

*1: w/ Front Heater *2: w/ Front and Rear Heaters *3: w/o Front and Rear Heaters

*4: The initialization is required. Refer to the repair manual for the initialization procedures.

*5: for N04C-UH, N04C-VL, N04C-VQ