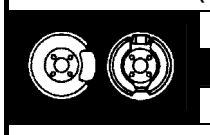
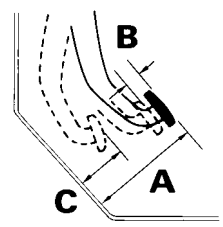
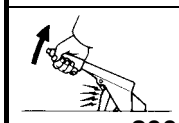
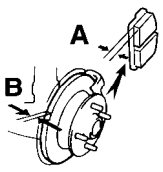
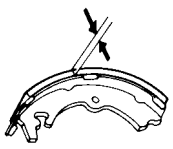
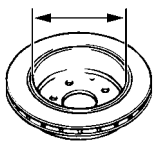
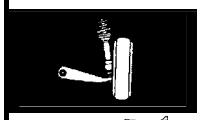
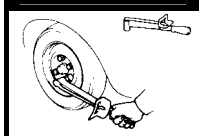
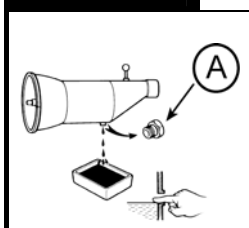
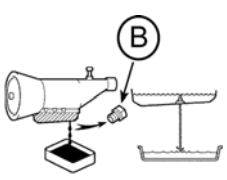
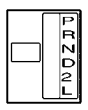
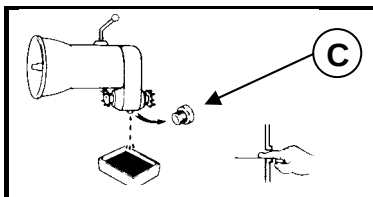
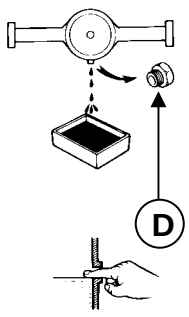
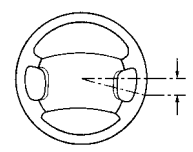
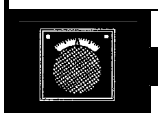
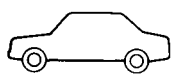
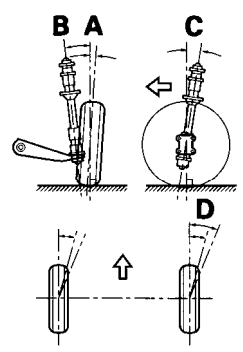
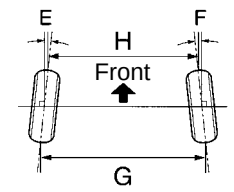
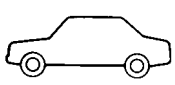
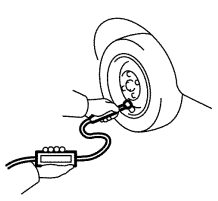
	A	**179.6 to 189.6** *(7.070 to 7.464)*	
	B	**5 to 15** *(0.20 to 0.60)*	
	C	⬆ **25** *(0.98)*	
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
			
	A	**152.9 to 162.9** *(6.020 to 6.143)*	**M/T 156.9 to 166.9** *(6.177 to 6.571)* **A/T 158.1 to 168.1** *(6.224 to 6.618)*
	B	**1 to 6** *(0.04 to 0.24)*	
	C*1	⬆ **85** *(3.347)*	⬆ **89** *(3.50)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**8 to 9**	
	A	⬆ **1.0** *(0.039)*	
mm *(in.)*	B	⬆ **26** *(1.02)*	
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
 **mm** *(in.)*		⬇ **297** *(11.693)*	
		**TGN, GGN**	
 **N·m** *(kgf·m, ft·lbf)*		**105** *(10.7, 77)*	
		**TGN**	**GGN**
		**2WD 2.6** *(2.7, 2.3)* **4WD 2.2** *(2.3,1.9)*	
liter *(US qts, Imp. qts)*		**API GL-4 or GL-5 SAE 75W-90**	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**37** *(377, 27)*	
		–	**Up to 3.0** *(3.2, 2.6)*
liter *(US qts, Imp. qts)*		–	**Toyota Genuine ATF WS**
N·m *(kgf·cm, ft·lbf)*	Ⓑ	**20** *(204, 15)*	

 **liter** *(US qts, Imp. qts)*	Ⓒ	**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	Ⓒ	**37** *(377, 27)*	
 **liter** *(US qts, Imp. qts)*			
		1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*
			w/ Differential Lock **2.85 to 2.95** *(3.02 to 3.11, 2.51 to 2.59)*
			Made for DANA **2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*
		Hypoid gear oil API GL-4 or GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))	**Hypoid gear oil API GL-5** SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))
N·m *(kgf·cm, ft·lbf)*	Ⓓ	**39** *(400, 29)*	**49** *(500, 36)*
		**TGN, GGN**	
 **mm** *(in.)*		⬇ **30** *(1.2)*	
			
	A	**Refer to Repair Manual Pub. No. RM01F0EN or RM01F1E (Service Specification)**	
	B		
	C		
	D		
	E+F		
	G-H		
			
 **kPa** *(kgf/cm², psi)*	**265/70R 16 112S**	**210** *(2.1,30)*	**210** *(2.1,30)*

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

TOYOTA FORTUNER

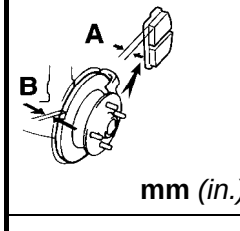
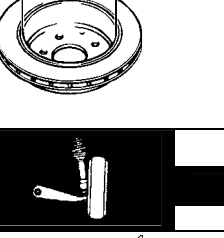
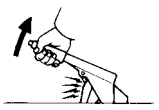
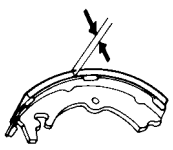
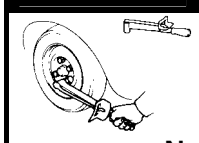
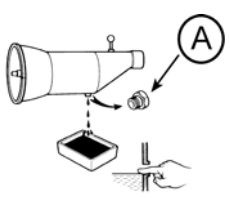
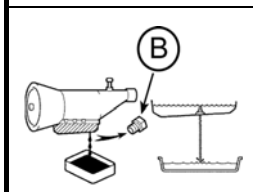
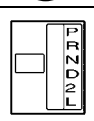
TGN 51
GGN 50, 60

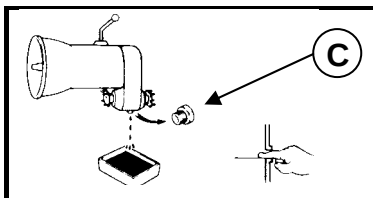
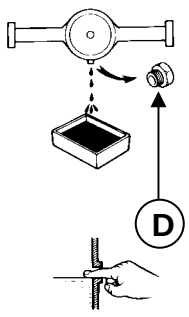
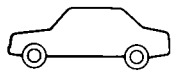
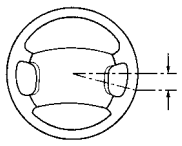
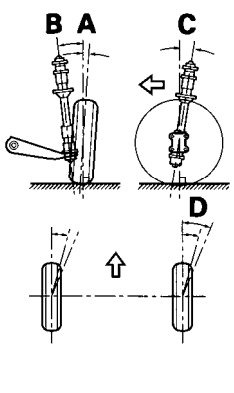
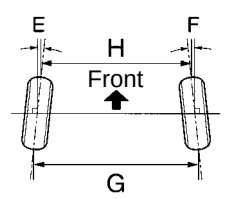
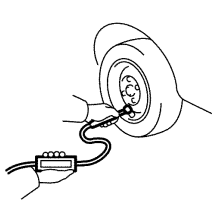
2006/04 – 2008/10

		TGN, GGN	
20°C *(68°F)*		1.25 to 1.29	
		2TR-FE	1GR-FE
cm³ or CC *(cu. in.)*		2694 *(164.4)*	3956 *(241.4)*
		–	
A mm *(in.)*	DENSO	K20HR-U11	
	NGK	–	LFR6C11
	A mm *(in.)*	1.0 to 1.1 *(0.039 to 0.043)*	
BTDC		3 to 7° [DLC3 terminals 13 (TC) – 4 (CG) connected]	8 to 12° [DLC3 terminals 13 (TC) – 4 (CG) connected]
mm *(in.)*		–	0.15 to 0.25 *(0.006 to 0.010)*
		–	0.29 to 0.39 *(0.011 to 0.015)*
rpm		600 to 700	650 to 750

kPa *(kgf/cm², psi)*		1230 *(12.5, 178)*	1300 *(13.3, 189)*
		⬆ 880 *(9.0, 128)*	⬆ 1000 *(12.5, 178)*
		⬇ 98 *(1.0, 14)*	⬇ 100 *(12.5, 178)*
kPa *(kgf/cm², psi)*		⬆ 29 *(0.3, 4.2)*	
	3000 rpm	160 to 490 *(1.6 to 5.0, 23 to 71)*	294 to 588 *(3.0 to 6.0, 43 to 85)*
		2TR-FE	1GR-FE
liter *(US qts, Imp. qts)*		5.3 *(5.6, 4.6)*	5.2 *(5.5, 4.6)*
		5.6 *(5.9, 4.9)*	5.5 *(5.8, 4.8)*
		20W-50 and 15W-40 API grade SL or SM multigrade engine oil **10W-30 and 5W-30** API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC*1 multigrade engine oil	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	37.5 *(382, 28)*	40 *(408, 30)*
liter *(US qts, Imp. qts)*	1 3 5 / 2 4 R	7.8 *(8.2, 6.8)*	8.5 *(9.0, 7.5)*
	P R N D 2 L	–	9.8 *(10.4, 8.6)*

*1 ILSAC: International Standardization and Approval Committee

	A	**179.6 to 189.6** *(7.070 to 7.464)*	
	B	**5 to 15** *(0.20 to 0.60)*	
	C	⬆ **25** *(0.98)*	
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
	A	**152.9 to 162.9** *(6.020 to 6.143)*	**M/T 156.9 to 166.9** *(6.177 to 6.571)* **A/T 158.1 to 168.1** *(6.224 to 6.618)*
	B	**1 to 6** *(0.04 to 0.24)*	
	C*1	⬆ **85** *(3.347)*	⬆ **89** *(3.50)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**8 to 9**	
mm *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.02)*	
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
mm *(in.)*		⬇ **297** *(11.693)*	
 **N·m** *(kgf·m, ft·lbf)*		**105** *(10.7, 77)*	
		TGN	**GGN**
	1 3 5 / 2 4 R	**2WD 2.6** *(2.7, 2.3)* **4WD 2.2** *(2.3,1.9)*	
liter *(US qts, Imp. qts)*		**API GL-4 or GL-5 SAE 75W-90**	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**37** *(377, 27)*	
		–	**Up to 3.0** *(3.2, 2.6)*
liter *(US qts, Imp. qts)*		–	**Toyota Genuine ATF WS**
N·m *(kgf·cm, ft·lbf)*	Ⓑ	**20** *(204, 15)*	

		**1.4** *(1.5, 1.3)*	
liter *(US qts, Imp. qts)*		**Hypoid gear oil API GL-5 SAE 75W-90**	
N·m *(kgf·cm, ft·lbf)*	Ⓒ	**37** *(377, 27)*	
			
		1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*
			w/ Differential Lock 2.85 to 2.95 *(3.02 to 3.11, 2.51 to 2.59)*
			Made for DANA 2.40 to 2.50 *(2.54 to 2.64, 2.11 to 2.20)*
liter *(US qts, Imp. qts)*		**Hypoid gear oil API GL-4 or GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))**	**Hypoid gear oil API GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))**
N·m *(kgf·cm, ft·lbf)*	Ⓓ	**39** *(400, 29)*	**49** *(500, 36)*
		TGN, GGN	
 **mm** *(in.)*		⬇ **30** *(1.2)*	
			
	A	**Refer to Repair Manual Pub. No. RM01F4E (Service Specification)**	
	B		
	C		
	D		
	E+F		
	G-H		
 **kPa** *(kgf/cm², psi)*	**265/70R 16 112S**	**210** *(2.1,30)*	**210** *(2.1,30)*
	265/65R 17 112S		

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

TOYOTA FORTUNER

TGN 51
GGN 50, 60

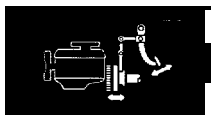
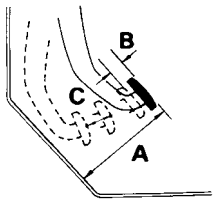
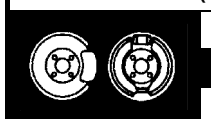
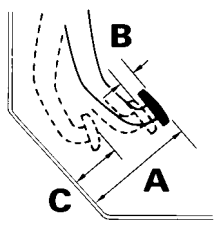
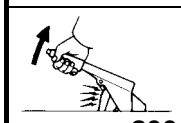
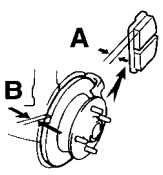
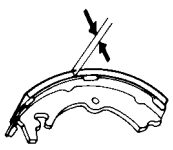
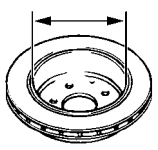
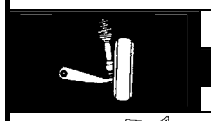
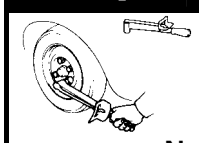
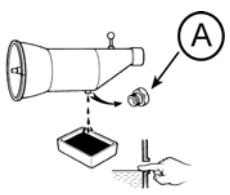
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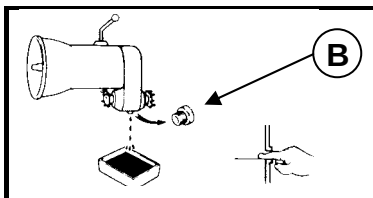
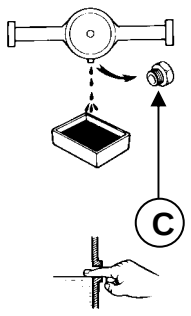
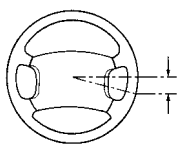
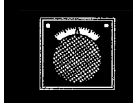
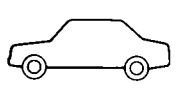
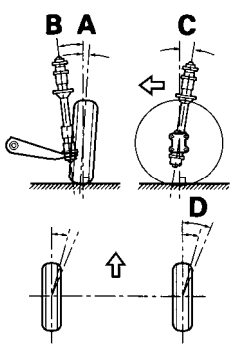
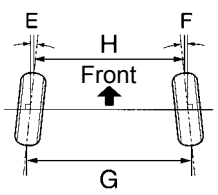
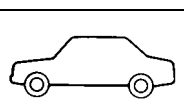
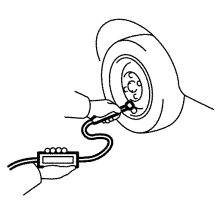
		TGN, GGN	
20°C *(68°F)*		1.25 to 1.29	
		2TR-FE	1GR-FE
cm³ or CC *(cu. in.)*		2694 *(164.4)*	3956 *(241.4)*
		–	
	DENSO	K20HR-U11	
A	NGK	–	LFR6C11
	A mm *(in.)*	1.0 to 1.1 *(0.039 to 0.043)*	
BTDC		3 to 7° [DLC3 terminals 13 (TC) – 4 (CG) connected]	8 to 12° [DLC3 terminals 13 (TC) – 4 (CG) connected]
mm *(in.)*		–	0.15 to 0.25 *(0.006 to 0.010)*
		–	0.29 to 0.39 *(0.011 to 0.015)*
rpm		600 to 700	650 to 750

kPa *(kgf/cm², psi)*		1230 *(12.5, 178)*	1300 *(13.3, 189)*
		⬆ 880 *(9.0, 128)*	⬆ 1000 *(12.5, 178)*
		⬇ 68 *(0.7, 10)*	⬇ 100 *(12.5, 178)*
kPa *(kgf/cm², psi)*		⬆ 29 *(0.3, 4.2)*	
	3000 rpm	160 to 490 *(1.6 to 5.0, 23 to 71)*	294 to 588 *(3.0 to 6.0, 43 to 85)*
		2TR-FE	1GR-FE
liter *(US qts, Imp. qts)*		5.3 *(5.6, 4.6)*	5.2 *(5.5, 4.6)*
		5.6 *(5.9, 4.9)*	5.5 *(5.8, 4.8)*
		20W-50 and 15W-40 API grade SL or SM multigrade engine oil 10W-30 and 5W-30 API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC*1 multigrade engine oil	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	37.5 *(382, 28)*	40 *(408, 30)*
liter *(US qts, Imp. qts)*	1 3 5 / 2 4 R	7.8 *(8.2, 6.8)*	8.5 *(9.0, 7.5)*
	P R N D 2 L	–	9.8 *(10.4, 8.6)*

*1 ILSAC: International Standardization and Approval Committee

TOYOTA MOTOR CORPORATION Technical Service Division

			
	A	**179.6 to 189.6** *(7.070 to 7.464)*	
	B	**5 to 15** *(0.20 to 0.60)*	
	C	⬆ **25** *(0.98)* **1KD-FTV** ⬆ **30** *(1.18)* **5L-E**	⬆ **25** *(0.98)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
			
	A	**152.9 to 162.9** *(6.020 to 6.143)*	**156.9 to 166.9** *(6.177 to 6.571)*
	B	**1 to 6** *(0.04 to 0.24)*	
	C	⬆ **85** *(3.347)*	⬆ **89** *(3.50)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**8 to 9**	
	A	⬆ **1.0** *(0.039)*	
mm *(in.)*	B	⬆ **26** *(1.02)*	
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
 **mm** *(in.)*		⬇ **297** *(11.693)*	
		**4 X 2**	**4 X 4**
 **N·m** *(kgf·m, ft·lbf)*		**152** *(15.5, 112)****2** **121** *(12.3, 89)****3**	**105** *(10.7, 77)*
		**1KD-FTV**	**5L-E**
		**2WD 2.6** *(2.7, 2.3)* **4WD 2.2** *(2.3,1.9)*	**2.6** *(2.7, 2.3)*
liter *(US qts, Imp. qts)*		**API GL-4 or GL-5 SAE 75W-90**	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**37** *(377, 27)*	

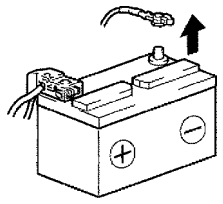
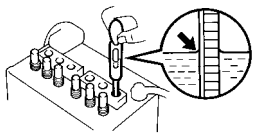
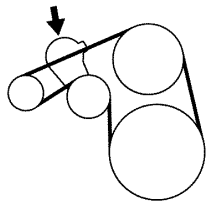
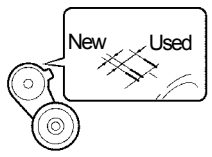
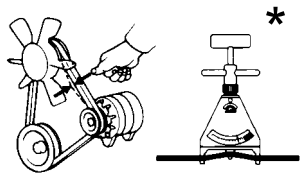
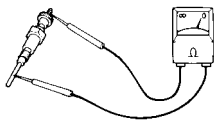
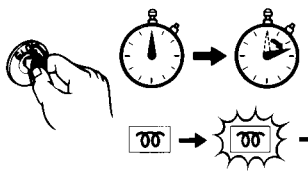
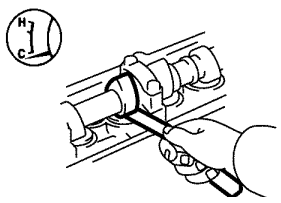
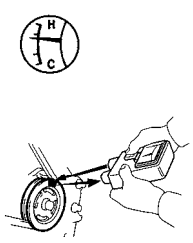
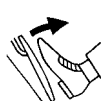
 **liter** *(US qts, Imp. qts)*		**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	Ⓑ	**37** *(377, 27)*	
 **liter** *(US qts, Imp. qts)*		**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)* **w/ Differential Lock 2.85 to 2.95** *(3.02 to 3.11, 2.51 to 2.59)* **Made for DANA 2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*
		Hypoid gear oil API GL-4 or GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))	**Hypoid gear oil API GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))**
N·m *(kgf·cm, ft·lbf)*	Ⓒ	**39** *(400, 29)*	**49** *(500, 36)*
		**KUN, LAN**	
 **mm** *(in.)*		⬇ **30** *(1.2)*	
			
	A B C D	**Refer to Repair Manual Pub. No. RM01F0EN or RM01F1E (Service Specification)**	
	E+F G-H		
			
 **kPa** *(kgf/cm², psi)*	**265/70R 16 112S**	**210** *(2.1,30)*	**210** *(2.1,30)*

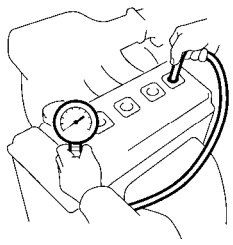
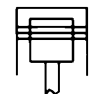
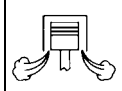
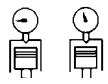
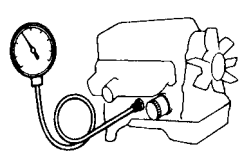
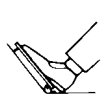
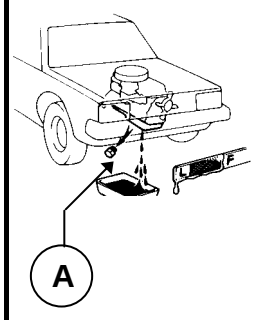
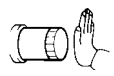
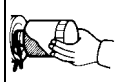
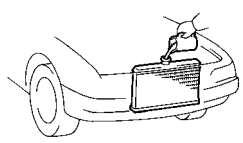
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: Steel Wheels *3: Aluminum Wheels

TOYOTA FORTUNER Diesel

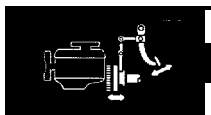
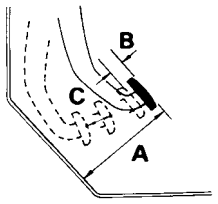
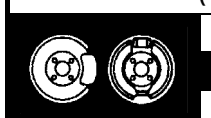
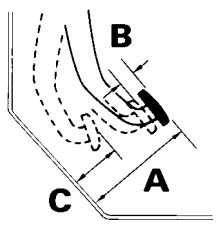
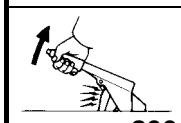
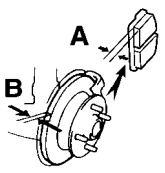
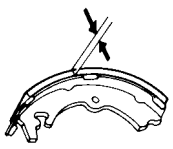
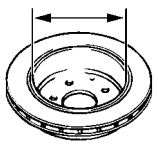
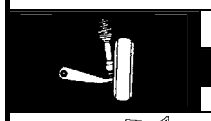
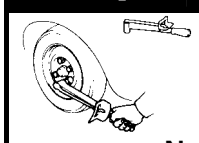
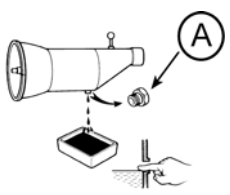
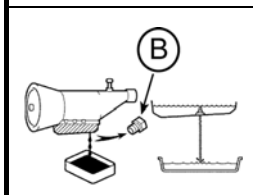
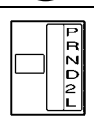
KUN 51, 61
LAN50

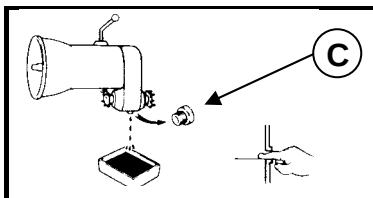
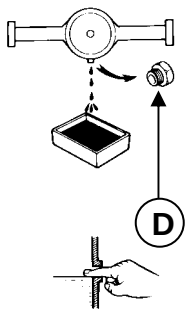
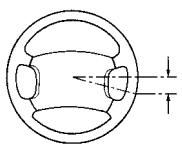
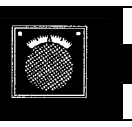
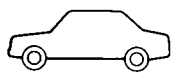
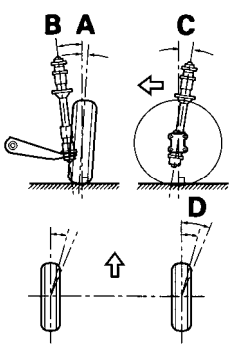
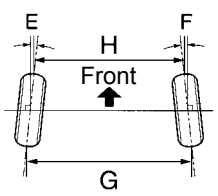
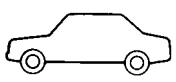
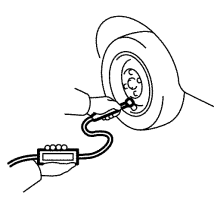
2006/04 – 2008/10

		KUN	LAN
		–	
	**20°C** *(68°F)*	**1.25 to 1.29**	
		1KD-FTV	**5L-E**
	cm³ or CC *(cu. in.)*	**2982** *(182.0)*	**2986** *(182.2)*
		–	
		–	**10 to 14** *(0.39 to 0.55)* ***196 to 343** *(20 to 35)*
		–	**15 to 20** *(0.59 to 0.79)* ***196 to 392** *(20 to 40)*
mm *(in.)* **N** *(kgf)*		–	**9.0 to 13** *(0.35 to 0.51)* ***245 to 343** *(25 to 35)*
20°C *(68°F)*  Ω		**0.95**	**0.72**
20°C *(68°F)*  **sec.**		**1.1**	**3.2**
 **mm** *(in.)*		**0.20 to 0.30** *(0.008 to 0.012)*	
		**0.35 to 0.45** *(0.014 to 0.018)*	**0.40 to 0.50** *(0.016 to 0.020)*
 **rpm**		**700 to 800**	**720 to 820 (A/C OFF)** **750 to 850 (A/C ON)**
		**4450 to 4750**	**4850 to 4950**

 **kPa** *(kgf/cm², psi)*		**2700** *(27.5, 391)*	**3138** *(32.0, 455)*
		⬆ **2200** *(22.5, 320)*	⬆ **1961** *(20.0, 284)*
		⬇ **500** *(5.0, 71)*	⬇ **490** *(5.0, 71)*
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.2)*	
	3,000 rpm  	⬆ **245** *(2.5, 36)*	⬆ **294 to 539** *(3.0 to 5.5, 43 to 78)*
		1KD-FTV	**5L-E**
 **liter** *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*	**6.7** *(7.1, 5.8)*
		**6.9** *(7.3, 6.1)*	**7.2** *(7.6, 6.3)*
		API grade CF-4 or CF (You may also use API CE or CD.)	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**34** *(347, 25)*	**35** *(357, 26)*
 **liter** *(US qts, Imp. qts)*		**9.8** *(10.4, 8.6)*	**9.4** *(9.9, 8.3)*

TOYOTA MOTOR CORPORATION Technical Service Division

			
	A	179.6 to 189.6 (7.070 to 7.464)	
	B	5 to 15 (0.20 to 0.60)	
	C	⬆ 25 (0.98) 1KD-FTV ⬆ 30 (1.18) 5L-E	⬆ 25 (0.98)
mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3	
			
	A	152.9 to 162.9 (6.020 to 6.143)	M/T 156.9 to 166.9 (6.177 to 6.571) A/T 158.1 to 168.1 (6.224 to 6.618)
	B	1 to 6 (0.04 to 0.24)	
	C*1	⬆ 85 (3.347)	⬆ 89 (3.50)
mm (in.) 		SAE J1703 or FMVSS No. 116 DOT3	
 N·m (kgf·m, ft·lbf)		8 to 9	
 mm (in.)	A	⬆ 1.0 (0.039)	
	B	⬆ 26 (1.02)	
 mm (in.)		⬆ 1.0 (0.039)	
 mm (in.)		⬇ 297 (11.693)	
		4 X 2	4 X 4
 N·m (kgf·m, ft·lbf)		152 (15.5, 112)*2 121 (12.3, 89)*3	105 (10.7, 77)
		1KD-FTV	5L-E
	1 3 5 / 2 4 R	2WD 2.6 (2.7, 2.3) 4WD 2.2 (2.3,1.9)	2.6 (2.7, 2.3)
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90	
N·m (kgf·cm, ft·lbf)	A	37 (377, 27)	
		Up to 2.0 (2.1, 1.8)	–
liter (US qts, Imp. qts)		Toyota Genuine ATF Type-IV	–
N·m (kgf·cm, ft·lbf)	B	20 (205, 15)	

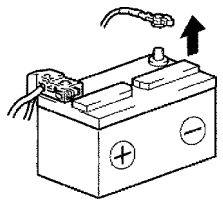
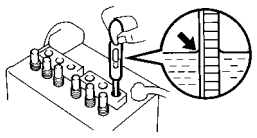
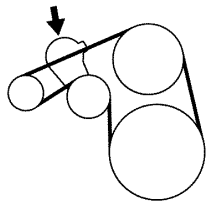
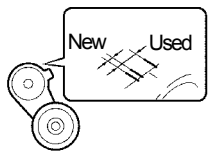
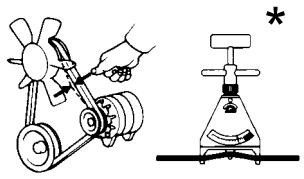
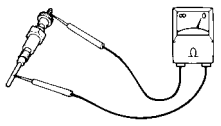
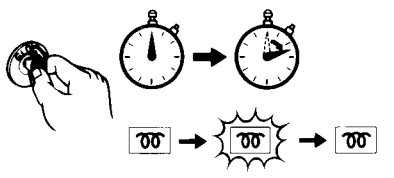
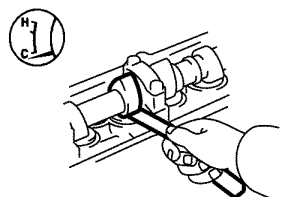
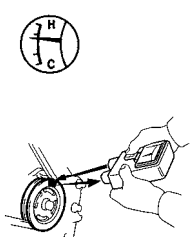
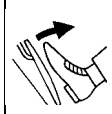
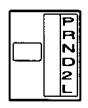
		1.4 (1.5, 1.3)	
liter (US qts, Imp. qts)		Hypoid gear oil API GL-5 SAE 75W-90	
N·m (kgf·cm, ft·lbf)	C	37 (377, 27)	
			
		1.40 to 1.50 (1.48 to 1.59, 1.23 to 1.31)	3.30 to 3.40 (3.49 to 3.59, 2.90 to 2.99) w/ Differential Lock 2.85 to 2.95 (3.02 to 3.11, 2.51 to 2.59) Made for DANA 2.40 to 2.50 (2.54 to 2.64, 2.11 to 2.20)
liter (US qts, Imp. qts)		Hypoid gear oil API GL-4 or GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))	Hypoid gear oil API GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 (⬇ -18 °C (0 °F))
N·m (kgf·cm, ft·lbf)	D	39 (400, 29)	49 (500, 36)
		KUN, LAN	
 mm (in.)		⬇ 30 (1.2)	
			
	A B C D	Refer to Repair Manual Pub. No. RM01F4E (Service Specification)	
	E+F G-H		
			
 kPa (kgf/cm², psi)	265/70R 16 112S 265/65R 17 112S	210 (2.1,30)	210 (2.1,30)

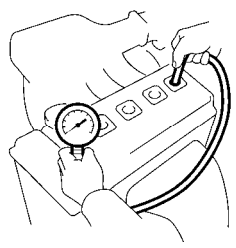
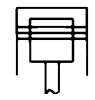
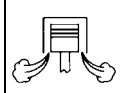
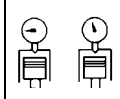
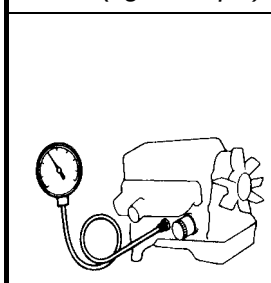
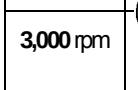
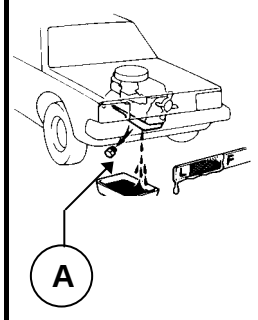
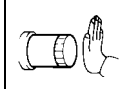
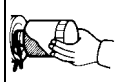
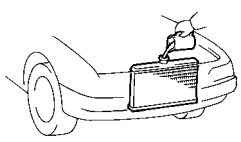
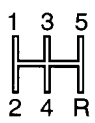
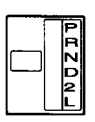
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: Steel Wheels *3: Aluminum Wheels

TOYOTA FORTUNER Diesel

KUN 51, 61
LAN50

2008/10 –

		KUN	LAN
		–	
	**20°C** *(68°F)*	**1.25 to 1.29**	
		1KD-FTV	**5L-E**
	cm³ or CC *(cu. in.)*	**2982** *(182.0)*	**2986** *(182.2)*
		–	
 **mm** *(in.)* **N** *(kgf)*		–	**10 to 14** *(0.39 to 0.55)* ***196 to 343** *(20 to 35)*
		–	**15 to 20** *(0.59 to 0.79)* ***196 to 392** *(20 to 40)*
		–	**9.0 to 13** *(0.35 to 0.51)* ***245 to 343** *(25 to 35)*
 **20°C** *(68°F)* Ω		**0.95**	**0.72**
 **sec.**		**1.1**	**3.2**
 **mm** *(in.)*		**0.20 to 0.30** *(0.008 to 0.012)*	
		**0.35 to 0.45** *(0.014 to 0.018)*	**0.40 to 0.50** *(0.016 to 0.020)*
 **rpm**	 1 3 5 2 4 R	**700 to 800**	**720 to 820 (A/C OFF)** **750 to 850 (A/C ON)**
	 P R N D 2 L	**700 to 800**	**–**
		**4450 to 4750**	**4850 to 4950**

 **kPa** *(kgf/cm², psi)*		**2700** *(27.5, 391)*	**3138** *(32.0, 455)*
		⬆ **2200** *(22.5, 320)*	⬆ **1961** *(20.0, 284)*
		⬇ **500** *(5.0, 71)*	⬇ **490** *(5.0, 71)*
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.2)*	
	3,000 rpm  	⬆ **245** *(2.5, 36)*	⬆ **294 to 539** *(3.0 to 5.5, 43 to 78)*
		1KD-FTV	**5L-E**
 **liter** *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*	**6.7** *(7.1, 5.8)*
		**6.9** *(7.3, 6.1)*	**7.2** *(7.6, 6.3)*
		API grade CF-4 or CF (You may also use API CE or CD.)	
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**34** *(347, 25)*	**35** *(357, 26)*
 **liter** *(US qts, Imp. qts)*	 1 3 5 2 4 R	**9.8** *(10.4, 8.6)*	**9.4** *(9.9, 8.3)*
	 P R N D 2 L	**11.1** *(11.7, 9.8)*	**–**

TOYOTA MOTOR CORPORATION Technical Service Division