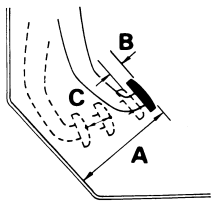
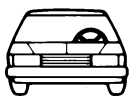
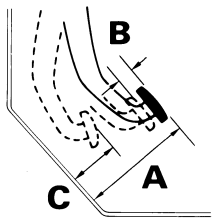
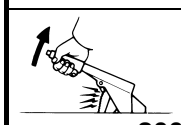
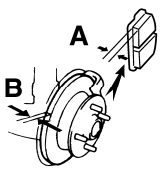
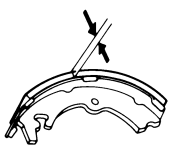
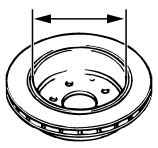
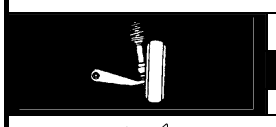
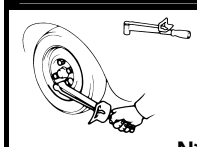
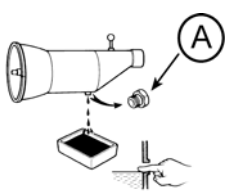
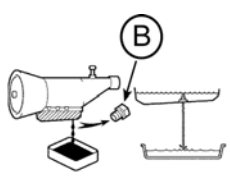
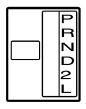
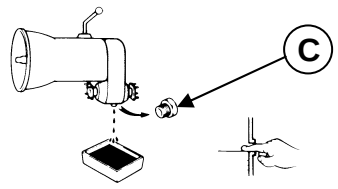
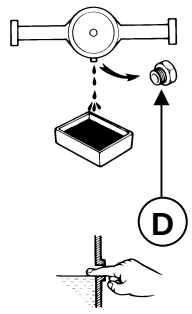
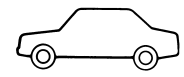
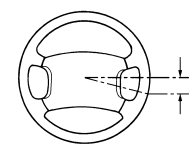
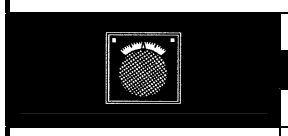
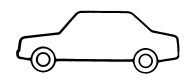
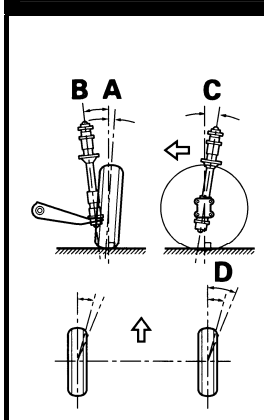
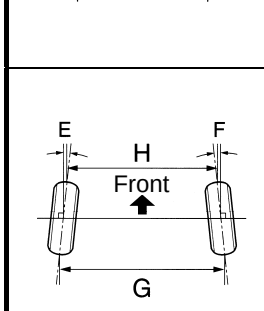
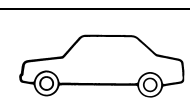
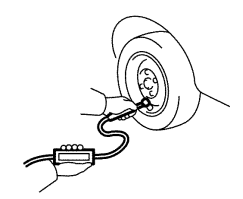
		**TGN**
	**A**	**179.9 to 189.9** *(7.08 to 7.48)*
	B	**5 to 15** *(0.197 to 0.591)*
	C	⬆ **25** *(0.984)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**
		 / 
	**A**	**152.9 to 162.9** *(6.020 to 6.143)* / **158.1 to 168.1** *(6.224 to 6.618)*
	B	**1 to 6** *(0.039 to 0.236)*
	C*1	⬆ **85** *(3.347)* / ⬆ **89** *(3.504)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**
 **mm** *(in.)*	**A**	⬆ **1.0** *(0.039)*
	B	⬆ **26** *(1.024)*
 **mm** *(in.)*		⬆ **1.0** *(0.039)*
 **mm** *(in.)*		⬇ **297** *(11.693)*
		**TGN, GGN**
 **N*m** *(kgf*cm, ft.*lbf)*		**105** *(1071, 77)*
		**TGN** / **GGN**
		**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)*	**A**	**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)*	**B**	**-** / **20** *(204, 15)*

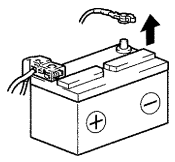
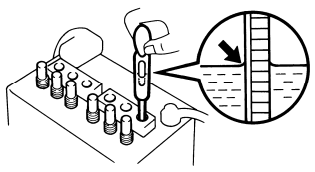
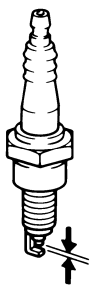
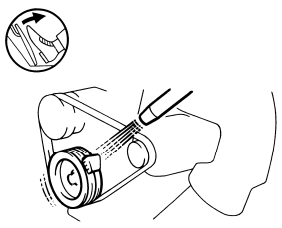
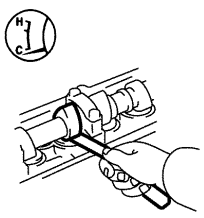
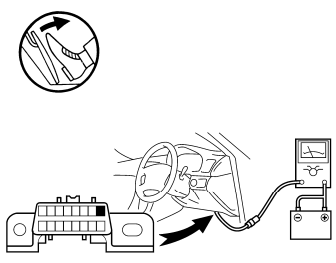
 **Liter** *(US qts, Imp. qts)*		**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90	
N*m *(kgf*cm, ft.*lbf)*	**C**	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*		**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*
			w/ Differential Lock 2.85 to 2.95 *(3.01 to 3.12, 2.51 to 2.60)*
			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)*	**D**	**39** *(400, 29)*	**49** *(500, 36)*
		**TGN, GGN**	
 **mm** *(in.)*		⬇ **30** *(1.2)*	
			
	**A**	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	B		
	C		
	D		
	**E+F**		
	G-H		
			
 **kPa** *(kgf/cm^2, psi)*	**265/65R 17 112S**	**210** *(2.1,30)*	**210** *(2.1,30)*

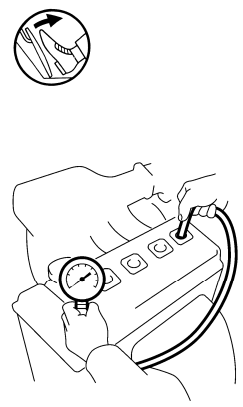
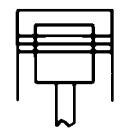
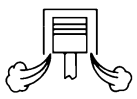
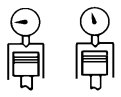
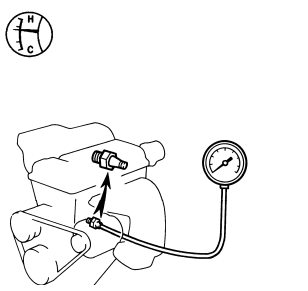
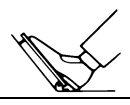
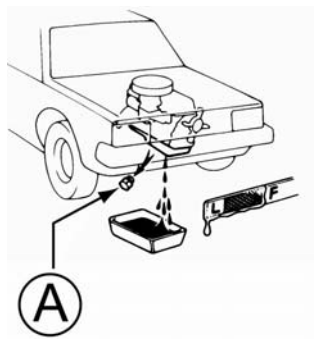
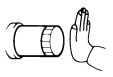
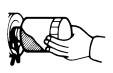
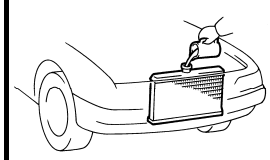
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.

TOYOTA FORTUNER

TGN51
GGN50, 60

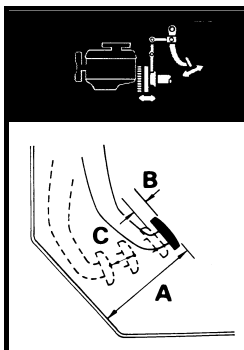
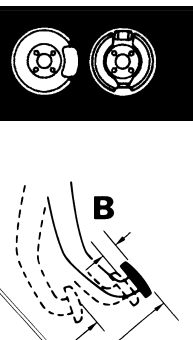
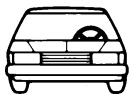
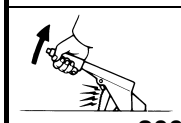
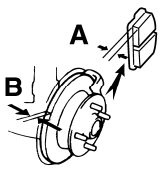
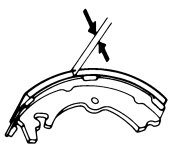
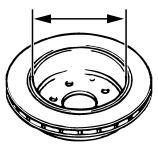
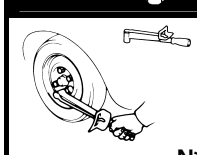
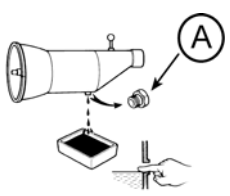
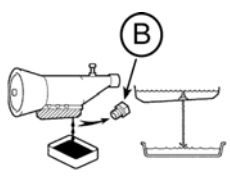
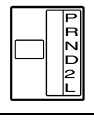
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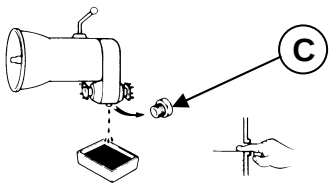
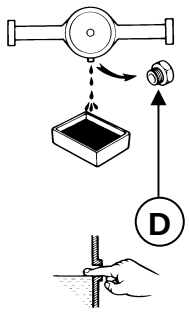
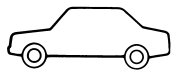
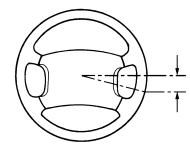
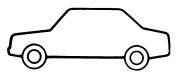
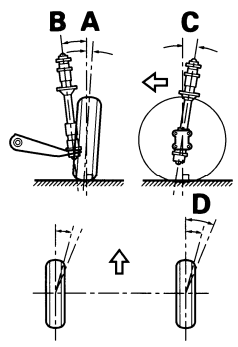
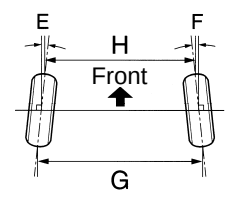
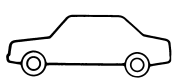
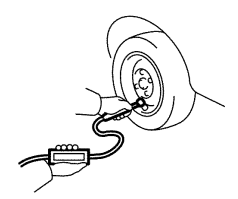
		TGN, GGN	
		**Power Window Control System**	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		2TR-FE	**1GR-FE**
	**CC** *(cu. in.)*	**2694** *(164.4)*	**3956** *(241.4)*
		-	
 **A**	**DENSO**	**K20HR-U11**	
	NGK	-	**LFR6C11**
	A **mm** *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*	
 **BTDC**		**3 to 7°** [DLC3 terminals 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** *(10.2, 145)*
		⬇ **68** *(0.7, 10)*	⬇ **100** *(1.0, 15)*
 **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, SM or SN multigrade engine oil **10W-30 and 5W-30** API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or ILSAC*1 multigrade engine oil	
Liter *(US qts, Imp. qts)*	Ⓐ	**37.5** *(382, 28)*	**40** *(408, 30)*
N*m *(kgf*cm, ft.*lbf)*	1 3 5 / 2 4 R	**7.8** *(8.2, 6.8)*	-
 **Liter** *(US qts, Imp. qts)*	P R N D 2 L	-	**9.8** *(10.4, 8.6)*

*1 ILSAC: International Lubricant Standardization and Approval Committee *2: New *3: Used

TOYOTA MOTOR CORPORATION Technical Service Division

		TGN	
 mm *(in.)*	A	**179.9 to 189.9** *(7.08 to 7.48)*	
	B	**5 to 15** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		**SAE J1703 or FMVSS No. 116 DOT3**	
 mm *(in.)*			
	A	**M/T 152.9 to 162.9** *(6.020 to 6.143)* **A/T 154.4 to 164.4** *(6.079 to 6.472)*	**158.1 to 168.1** *(6.224 to 6.618)*
	B	**1 to 6** *(0.039 to 0.236)*	
	C*1	⬆ **85** *(3.347)*	⬆ **89** *(3.504)*
		**SAE J1703 or FMVSS No. 116 DOT3*2** **SAE J1703 or FMVSS No. 116 DOT4*3**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**	
 mm *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.024)*	
 mm *(in.)*		⬆ **1.0** *(0.039)*	
 mm *(in.)*		⬇ **297** *(11.693)*	
		TGN, GGN	
 **N*m** *(kgf*cm, ft.*lbf)*		**105** *(1071, 77)*	
		TGN	**GGN**
 **Liter** *(US qts, Imp. qts)*		**2.2** *(2.3, 1.9)*	**-**
		API GL-4 or GL-5 SAE 75W-90	**-**
N*m *(kgf*cm, ft.*lbf)*	Ⓐ	**37** *(377, 27)*	**-**
 **Liter** *(US qts, Imp. qts)*		**Up to 2.0** *(2.1, 1.8)*	**Up to 3.0** *(3.2, 2.6)*
		Toyota Genuine ATF Type T-IV	**Toyota Genuine ATF WS**
N*m *(kgf*cm, ft.*lbf)*	Ⓑ	**20** *(205, 15)*	**20** *(204, 15)*

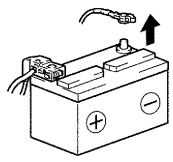
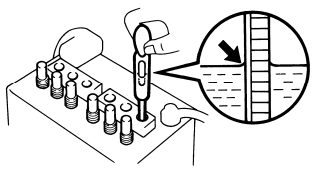
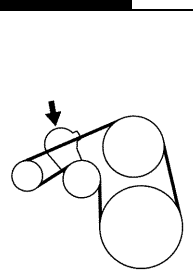
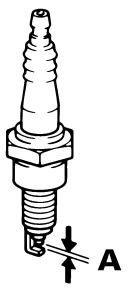
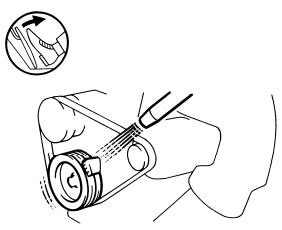
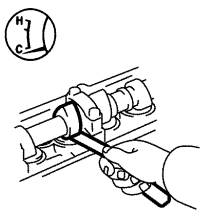
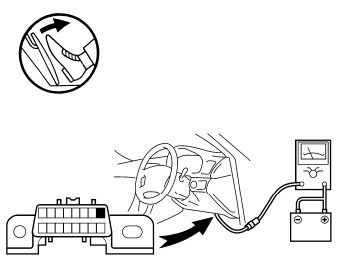
 **Liter** *(US qts, Imp. qts)*	Ⓒ	**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90	
N*m *(kgf*cm, ft.*lbf)*	Ⓒ	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*			
		1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*
			w/ Differential Lock 2.85 to 2.95 *(3.01 to 3.12, 2.51 to 2.60)*
			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	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	B		
	C		
	D		
	E+F		
	G-H		
			
 **kPa** *(kgf/cm^2, psi)*		**265/65R 17 112S**	**210** *(2.1,30)* **210** *(2.1,30)*

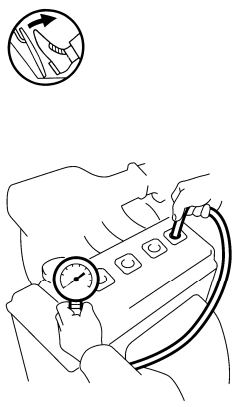
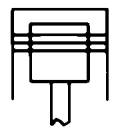
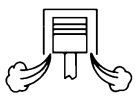
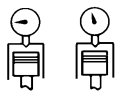
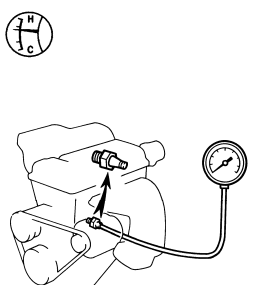
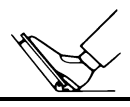
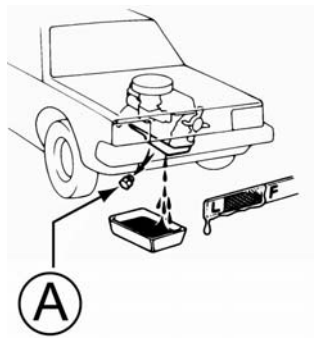
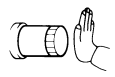
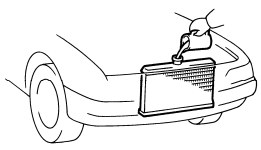
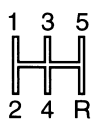
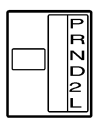
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: for TASA Made *3: for TSAM Made

TOYOTA FORTUNER

TGN51
GGN50, 60

2012/10 - 2013/10

		TGN, GGN	
		**Power Window Control System**	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		2TR-FE	**1GR-FE**
	CC *(cu. in.)*	**2694** *(164.4)*	**3956** *(241.4)*
		-	
	**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**

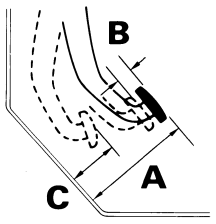
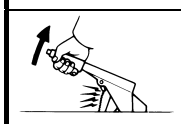
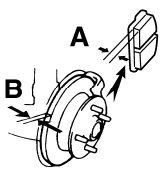
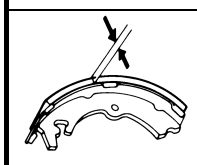
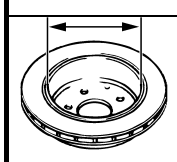
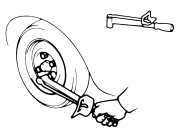
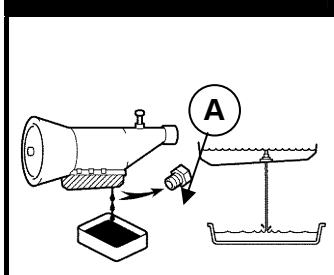
 **kPa** *(kgf/cm²*, *psi))*		**1230** *(12.5, 178)*	**1300** *(13.3, 189)*
		⬆ **880** *(9.0, 128)*	⬆ **1000** *(10.2, 145)*
		⬇ **68** *(0.7, 10)*	⬇ **100** *(1.0, 15)*
 **kPa** *(kgf/cm²*, *psi)*		⬆ **29** *(0.3, 4.2)*	
	3000 rpm 	**160 to 490** *(1.6 to 5.0, 23 to 71)*	**294 to 588** *(3.0 to 6.0, 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, SM or SN multigrade engine oil **10W-30 and 5W-30** API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or ILSAC*1 multigrade engine oil	
	Ⓐ	**37.5** *(382, 28)*	**40** *(408, 30)*
N*m *(kgf*cm, ft.*lbf)*			
 **Liter** *(US qts, Imp. qts)*		**7.8** *(8.2, 6.8)*	**-**
		**8.1** *(8.6, 7.1)*	**9.8** *(10.4, 8.6)*

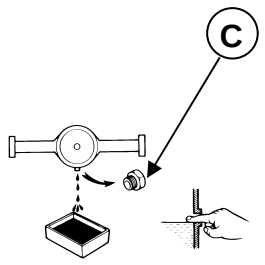
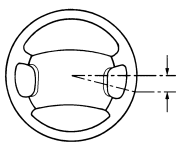
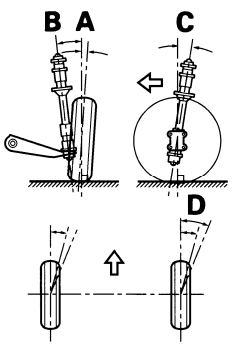
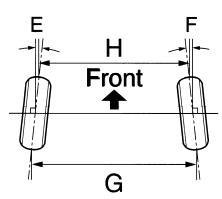
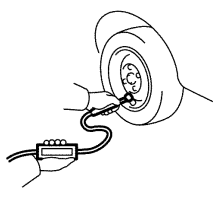
*1 ILSAC: International Lubricant Standardization and Approval Committee *2: New *3: Used

TOYOTA MOTOR CORPORATION Technical Service Division

SDS TOYOTA TOYOTA FORTUNER

TGN51
GGN50, 60
2013/10 - 2014/10

 mm *(in.)*	A	**M/T 152.9 to 162.9*2** *(6.020 to 6.143)* **A/T 154.4 to 164.4*2** *(6.079 to 6.472)*	**A/T 158.1 to 168.1*3** *(6.224 to 6.618)*
	B	**1 to 6** *(0.039 to 0.236)*	
	C*1	⬆ **85** *(3.347)*	⬆ **89** *(3.504)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT4**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**	
 mm *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.024)*	
 mm *(in.)*		⬆ **1.0** *(0.039)*	
 mm *(in.)*		⬇ **297** *(11.693)*	
		TGN, GGN	
 N*m *(kgf*cm, ft.*lbf)*		**105** *(1071, 77)*	
		TGN	**GGN**
 Liter *(US qts, Imp. qts)*		**Up to 2.0** ***(2.1, 1.8)***	**Up to 3.0** *(3.2, 2.6)*
		Toyota Genuine ATF Type T-IV	**Toyota Genuine ATF WS**
N*m *(kgf*cm, ft.*lbf)*	A	**20** *(205, 15)*	**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)*	B	**37** *(377, 27)*	

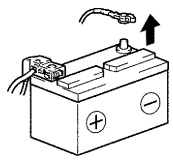
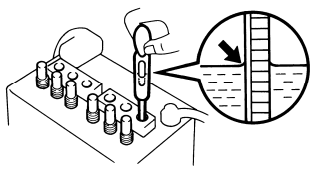
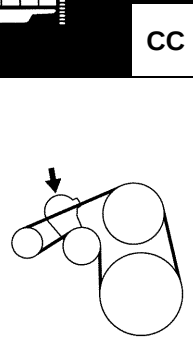
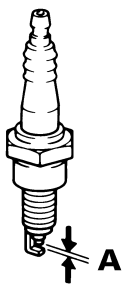
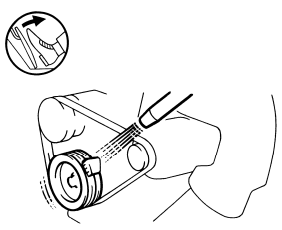
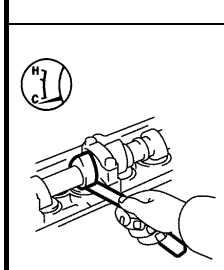
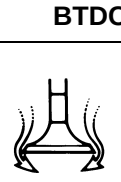
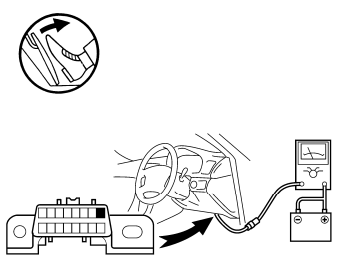
 Liter *(US qts, Imp. qts)*		**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*
			w/ Differential Lock 2.85 to 2.95 *(3.01 to 3.12, 2.51 to 2.60)*
			Made for DANA 2.40 to 2.50 *(2.54 to 2.64, 2.11 to 2.20)*
		Hypoid gear oil API GL-4 or GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 or SAE 80W (⬇ -18 °C (0 °F))	**Hypoid gear oil API GL--5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 or SAE 80W (⬇ -18 °C (0 °F))**
N*m *(kgf*cm, ft.*lbf)*	C	**39** *(400, 29)*	**49** *(500, 36)*
		TGN, GGN	
 mm *(in.)*		⬇ **30** *(1.2)*	
	A	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	B		
	C		
	D		
	E+F		
	G-H		
 kPa *(kgf/cm^2, psi)*	**265/65R 17 112S**	**210** *(2.1,30)*	**210** *(2.1,30)*

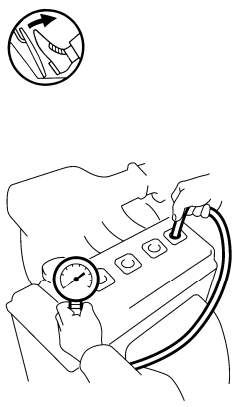
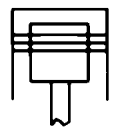
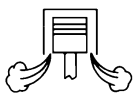
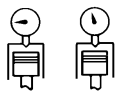
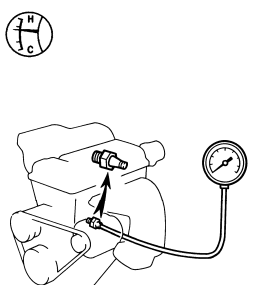
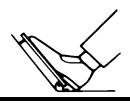
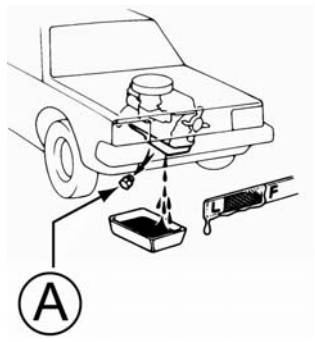
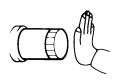
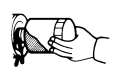
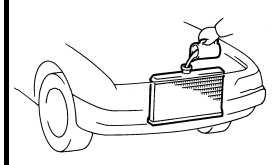
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: w/o VSC *3: w/ VSC

TOYOTA FORTUNER

TGN51
GGN50, 60

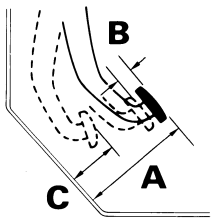
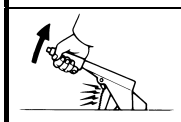
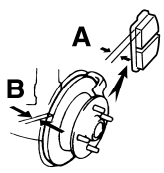
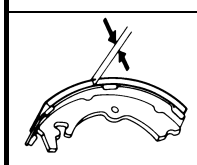
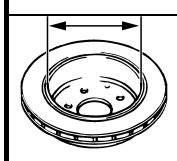
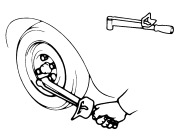
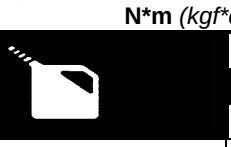
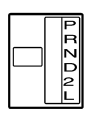
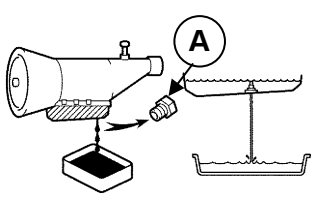
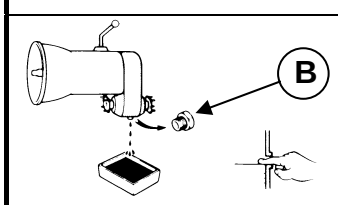
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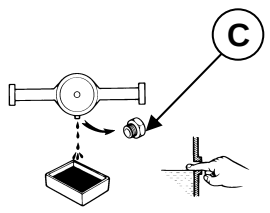
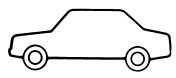
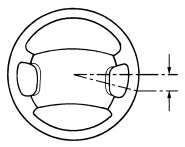
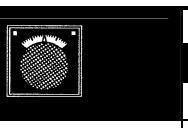
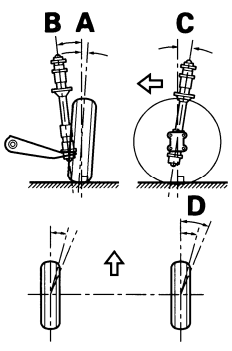
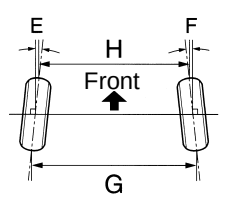
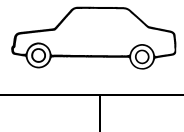
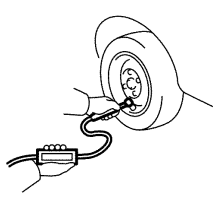
		TGN, GGN	
		**Power Window Control System**	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		2TR-FE	**1GR-FE**
	CC *(cu. in.)*	**2694** *(164.4)*	**3956** *(241.4)*
		-	
	**DENSO**	**K20HR-U11**	
	NGK	**-**	**LFR6C11**
	A **mm** *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*	
 **BTDC**		**3 to 7°** [DLC3 terminals 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** *(10.2, 145)*
		⬇ **68** *(0.7, 10)*	⬇ **100** *(1.0, 15)*
 **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, SM or SN multigrade engine oil **10W-30 and 5W-30** API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-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)*		**8.1** *(8.6, 7.1)*	**9.8** *(10.4, 8.6)*

*1 ILSAC: International Lubricant Standardization and Approval Committee *2: New *3: Used

TOYOTA MOTOR CORPORATION Technical Service Division

			
	A	**A/T 169.3 to 179.3*2** *(6.666 to 7.059)*	**A/T 158.1 to 168.1** *(6.224 to 6.618)*
	B	**1 to 6** *(0.039 to 0.236)*	
	C*1	⬆ **87** *(3.425)*	⬆ **89** *(3.504)*
mm *(in.)* 		**SAE J1704 or FMVSS No. 116 DOT4**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**	
 **mm** *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.024)*	
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
 **mm** *(in.)*		⬇ **297** *(11.693)*	
		**TGN, GGN**	
 **N*m** *(kgf*cm, ft.*lbf)*		**105** *(1071, 77)*	
		**TGN**	**GGN**
		**Up to 2.0** ***(2.1, 1.8)***	**Up to 3.0** *(3.2, 2.6)*
 **Liter** *(US qts, Imp. qts)*		**Toyota Genuine ATF Type T-IV**	**Toyota Genuine ATF WS**
N*m *(kgf*cm, ft.*lbf)*	A	**20** *(205, 15)*	**20** *(204, 15)*
 **Liter** *(US qts, Imp. qts)*		**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90 or Toyota Genuine Transfer Gear Oil LF or Equivalent SAE 75W	
N*m *(kgf*cm, ft.*lbf)*	B	**37** *(377, 27)*	

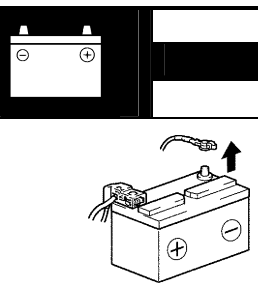
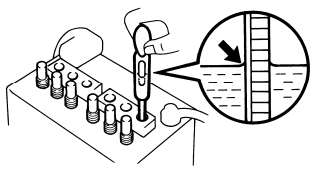
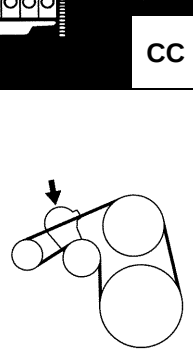
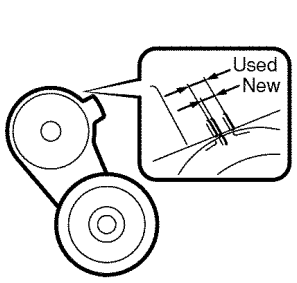
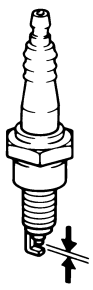
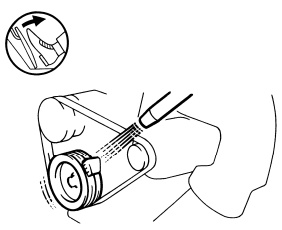
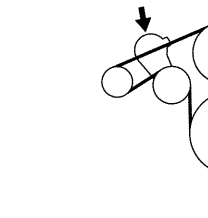
			
Liter *(US qts, Imp. qts)*		**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)* **w/ Differential Lock 2.85 to 2.95** *(3.01 to 3.12, 2.51 to 2.60)* **Made for DANA 2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*
		Hypoid gear oil API GL-4 or GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 or SAE 80W (⬇ -18 °C (0 °F))	**Hypoid gear oil API GL--5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 or SAE 80W (⬇ -18 °C (0 °F))**
N*m *(kgf*cm, ft.*lbf)*	C	**39** *(400, 29)*	**49** *(500, 36)*
		**TGN, GGN**	
 **mm** *(in.)*		⬇ **30** *(1.2)*	
			
	A B C D	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	E+F G-H		
			
 **kPa** *(kgf/cm^2, psi)*	**265/65R 17 112S**	**210** *(2.1,30)*	**210** *(2.1,30)*

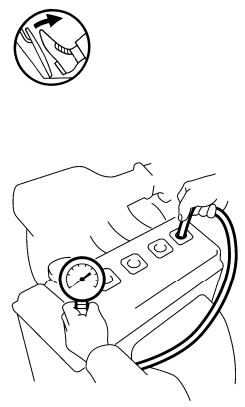
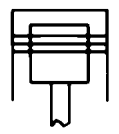
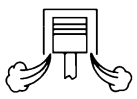
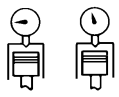
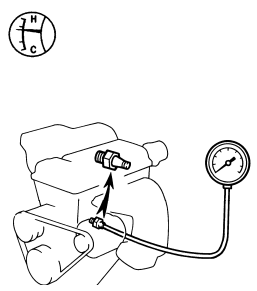
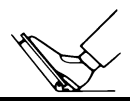
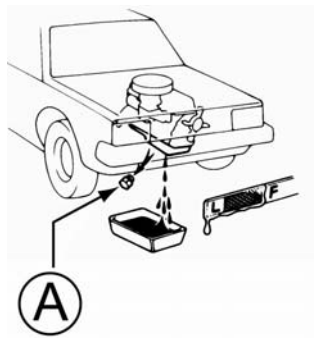
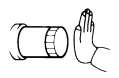
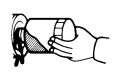
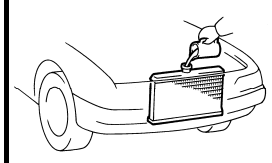
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: w/o VSC:

TOYOTA FORTUNER

TGN51
GGN50, 60

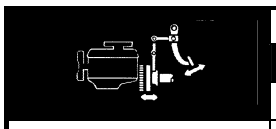
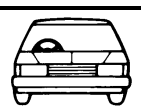
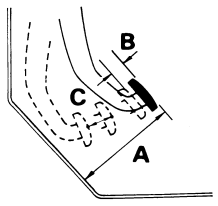
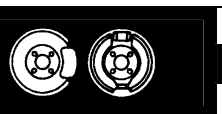
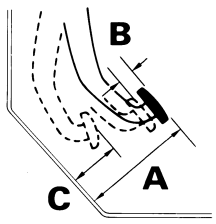
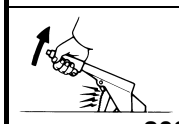
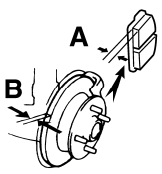
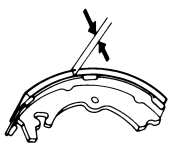
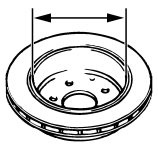
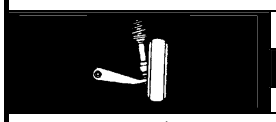
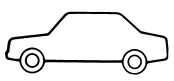
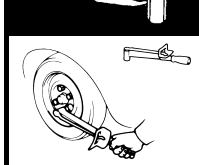
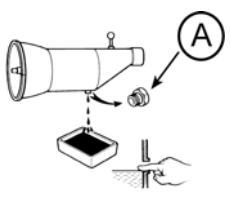
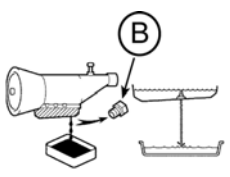
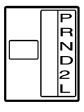
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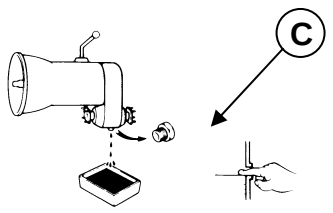
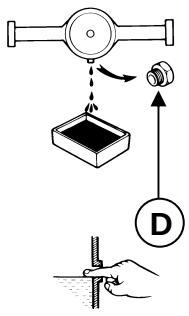
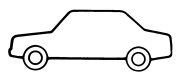
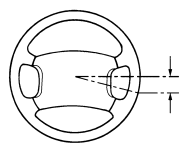
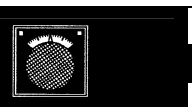
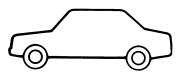
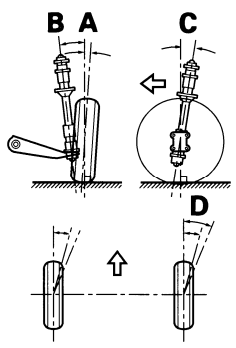
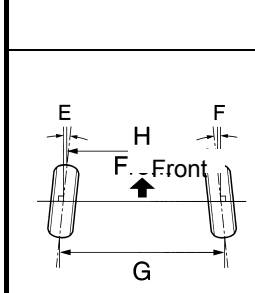
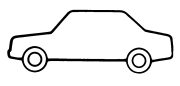
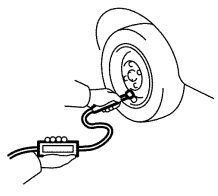
		TGN, GGN	
		**Power Window Control System**	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		2TR-FE	**1GR-FE**
	CC *(cu. in.)*	**2694** *(164.4)*	**3956** *(241.4)*
		-	-
	**DENSO**	**K20HR-U11**	
	NGK	-	**LFR6C11**
	A **mm** *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*	
 **BTDC**		**3 to 7°** [DLC3 terminals 13 (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** *(10.2, 145)*
		⬇ **68** *(0.7, 10)*	⬇ **100** *(1.0, 15)*
 **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, SM or SN multigrade engine oil **10W-30 and 5W-30** API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or ILSAC*1 multigrade engine oil	
	Ⓐ	**37.5** *(382, 28)*	**40** *(408, 30)*
N*m *(kgf*cm, ft.*lbf)*			
 **Liter** *(US qts, Imp. qts)*		**8.1** *(8.6, 7.1)*	**9.8** *(10.4, 8.6)*

*1 ILSAC: International Lubricant Standardization and Approval Committee

TOYOTA MOTOR CORPORATION Technical Service Division

			
	**A**	**179.9 to 189.9** *(7.08 to 7.48)*	**179.6 to 189.6** *(7.07 to 7.46)*
	B	**5 to 15** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
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*2** *(6.177 to 6.571)* **158.1 to 168.1*3** *(6.224 to 6.618)*
	B	**1 to 6** *(0.039 to 0.236)*	
	C*1	⬆ **85** *(3.347)*	⬆ **89** *(3.50)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**	
 **mm** *(in.)*	**A**	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.024)*	
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
 **mm** *(in.)*		⬇ **297** *(11.693)*	
			
 **N*m** *(kgf*cm, ft.*lbf)*		**105** *(1071, 77)*	
		**1KD-FTV, 2KD-FTV**	**5L-E**
 **Liter** *(US qts, Imp. qts)*	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)*
		API GL-4 or GL-5 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	**A**	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*		**Up to 2.0** ***(2.1, 1.8)***	**-**
		Toyota Genuine ATF Type-IV	**-**
N*m *(kgf*cm, ft.*lbf)*	**B**	**20** *(205, 15)*	

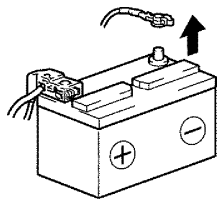
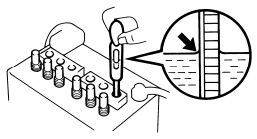
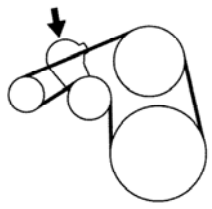
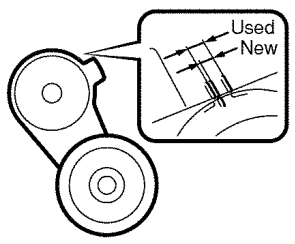
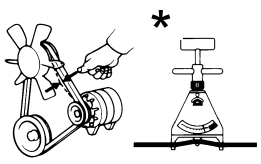
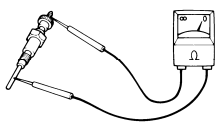
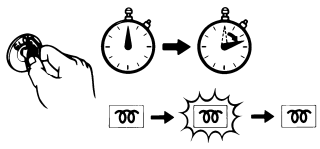
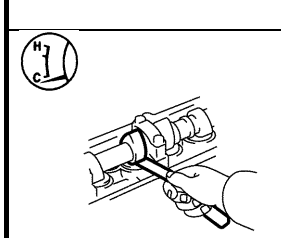
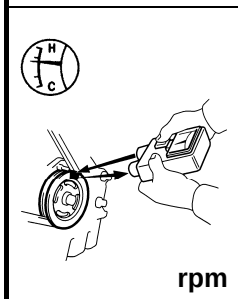
 **Liter** *(US qts, Imp. qts)*	**C**	**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90	
N*m *(kgf*cm, ft.*lbf)*	**C**	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*			
	1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	
		w/ Differential Lock 2.85 to 2.95 *(3.01to 3.12, 2.51 to 2.60)*	
		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)*	**D**	**39** *(400, 29)*	**49** *(500, 36)*
		**KUN, LAN**	
 **mm** *(in.)*		⬇ **30** *(1.2)*	
			
	**A**	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	B		
	C		
	D		
	**E+F**		
	G-H		
			
 **kPa** *(kgf/cm^2, psi)*	**265/65R 17 112S**	**210** *(2.1, 30)*	**210** *(2.1, 30)*

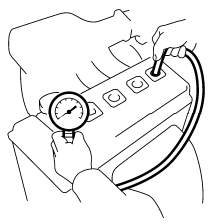
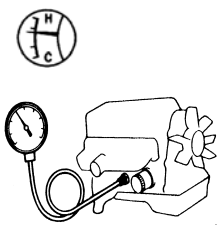
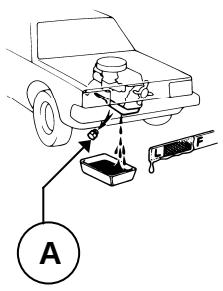
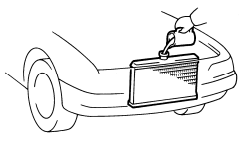
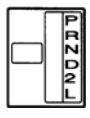
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: for Manual Transmission *3: for Automatic Transmission

TOYOTA FORTUNER Diesel

KUN51, 60, 61
LAN50

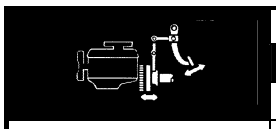
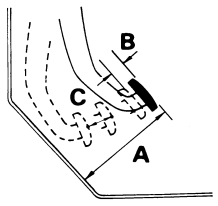
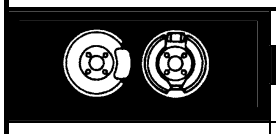
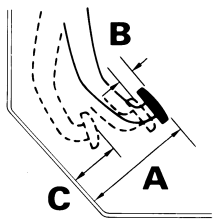
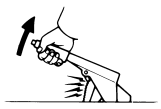
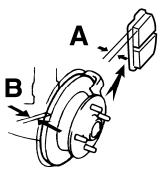
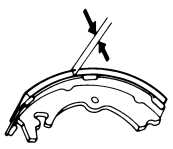
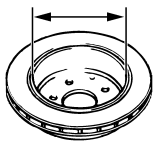
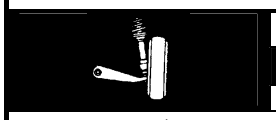
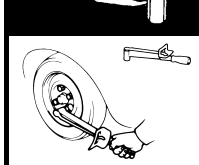
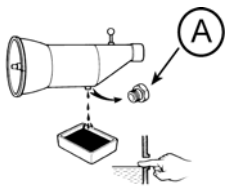
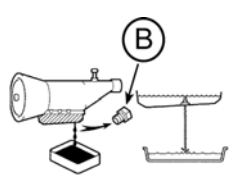
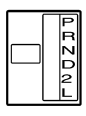
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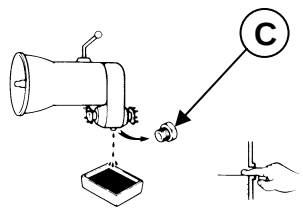
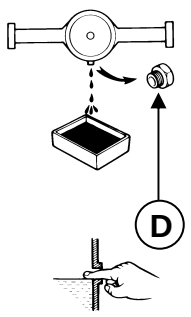
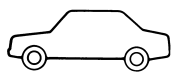
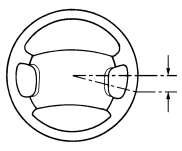
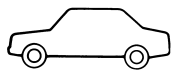
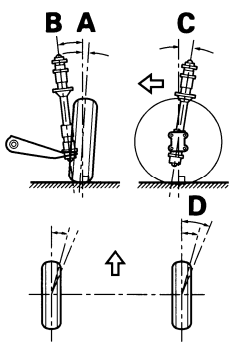
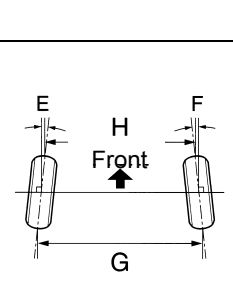
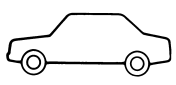
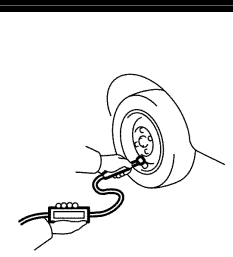
		KUN	LAN
		Power Window Control System	
 20°C *(68°F)*		1.25 to 1.29	
		1KD-FTV	2KD-FTV / 5L-E
	CC *(cu. in.)*	2982 *(182.0)*	2494 *(152.2)* / 2986 *(182.2)*
			-
 mm *(in.)* N *(kgf)*		-	10 to 14 *(0.39 to 0.55)* *196 to 343 *(20 to 35)*
		-	15 to 20 *(0.59 to 0.79)* *196 to 392 *(20 to 40)*
		-	9.0 to 13 *(0.35 to 0.51)* *245 to 343 *(25 to 35)*
20°C *(68°F)*  Ω		0.95	0.72
20°C *(68°F)*  sec.		0°C *(32°F)*: 3 5°C *(41°F)*: 2 30°C *(86°F)*: 0.5	0°C *(32°F)*: 3.5 30°C *(86°F)*: 0.5	8°C *(46°F)*: 4.5 28°C *(82°F)*: 2.3 55°C *(131°F)*: 1.2
 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*3 750 to 850*4
		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)*	
	3000 rpm 	⬆ 245 *(2.5, 36)*	⬆ 294 to 539 *(3.0 to 5.5, 43 to 78)*
		1KD-FTV / 2KD-FTV	5L-E
 Liter *(US qts, Imp. qts)*		6.6 *(7.0, 5.8)*	6.7 *(7.1, 5.9)*
		6.9 *(7.3, 6.1)*	7.2 *(7.6, 6.3)*
N*m *(kgf*cm, ft.*lbf)*		G-DLD1 or API grade CF-4, CF (You may also use API CE or CD)	5W-30*5 API grade CF-4 or CF (You may also use API CE or CD)
	A	34 *(347, 25)*	35 *(357, 26)*
 Liter *(US qts, Imp. qts)*		9.8 *(10.4, 8.6)*	9.4 *(9.9, 8.3)*
		11.1 *(11.7, 9.8)*	-

*1: New *2: Used *3: A/C switch OFF *4: A/C switch ON
*5: 5W-30 is the best choice for your vehicle, for good fuel economy, and good starting in cold weather.

TOYOTA MOTOR CORPORATION Technical Service Division

			
 mm *(in.)*	A	**179.9 to 189.9** *(7.08 to 7.48)*	**179.6 to 189.6** *(7.07 to 7.46)*
	B	**5 to 15** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		**SAE J1703 or FMVSS No. 116 DOT4**	
			
 mm *(in.)*	A	**M/T 152.9 to 162.9*2** *(6.020 to 6.143)* **A/T 154.4 to 164.4*2** *(6.079 to 6.472)*	**M/T 156.9 to 166.9*3** *(6.177 to 6.571)* **A/T 158.1 to 168.1*3** *(6.224 to 6.618)*
	B	**1 to 6** *(0.039 to 0.236)*	
	C*1	⬆ **85** *(3.347)*	⬆ **89** *(3.50)*
		**SAE J1703 or FMVSS No. 116 DOT4**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**	
 mm *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.024)*	
 mm *(in.)*		⬆ **1.0** *(0.039)*	
 mm *(in.)*		⬇ **297** *(11.693)*	
			
		**105** *(1071, 77)*	
N*m *(kgf*cm, ft.*lbf)*			
		**1KD-FTV, 2KD-FTV**	**5L-E**
 **Liter** *(US qts, Imp. qts)*	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)*
		API GL-4 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	A	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*		**Up to 2.0** *(2.1, 1.8)*	-
		Toyota Genuine ATF Type T-IV	-
N*m *(kgf*cm, ft.*lbf)*	B	**20** *(205, 15)*	

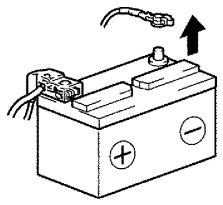
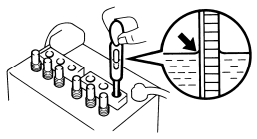
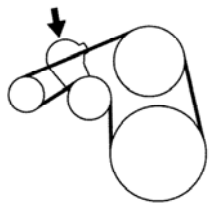
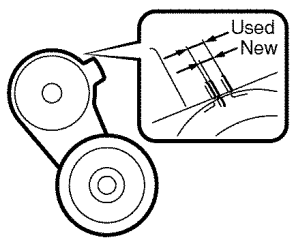
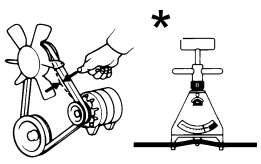
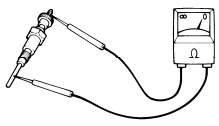
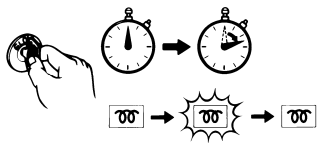
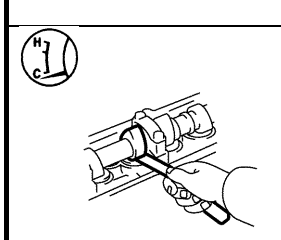
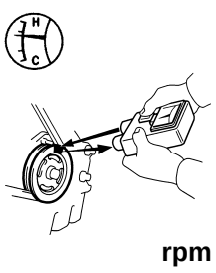
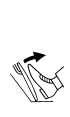
 **Liter** *(US qts, Imp. qts)*	C	**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90	
N*m *(kgf*cm, ft.*lbf)*	C	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*	D		
		1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*
			w/ Differential Lock 2.85 to 2.95 *(3.01to 3.12, 2.51 to 2.60)*
			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 or SAE 80W (⬇ -18 °C (0 °F))	**Hypoid gear oil API GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 or SAE 80W (⬇ -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	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	B		
	C		
	D		
	E+F		
	G-H		
			
 **kPa** *(kgf/cm^2, psi)*	**265/65R 17 112S**	**210** *(2.1, 30)*	**210** *(2.1, 30)*

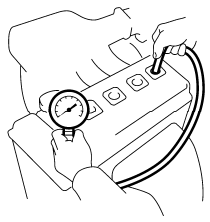
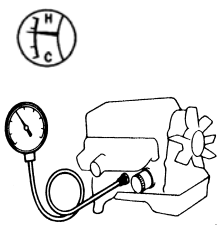
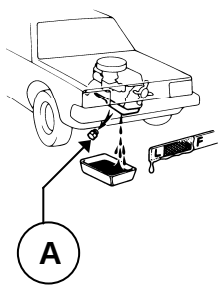
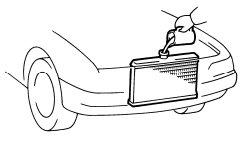
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running.
*2: w/o VSC *3: w/ VSC

TOYOTA FORTUNER Diesel

KUN51, 60, 61
LAN50

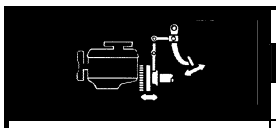
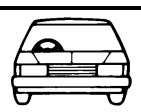
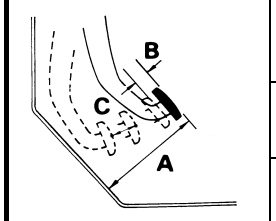
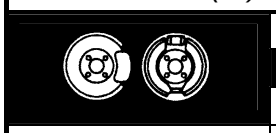
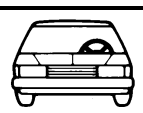
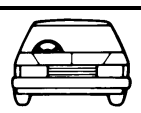
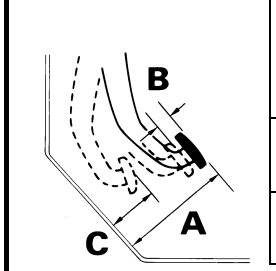
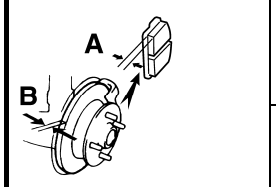
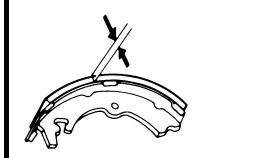
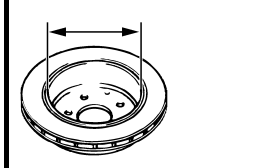
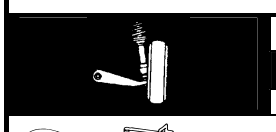
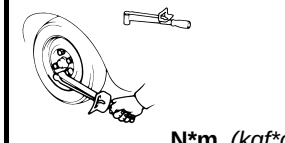
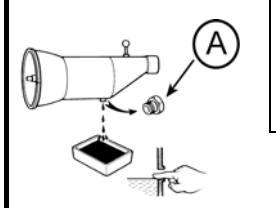
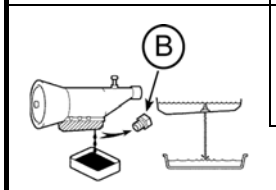
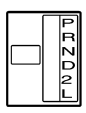
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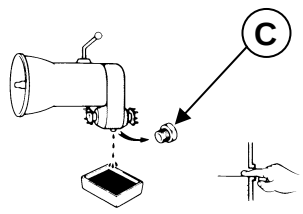
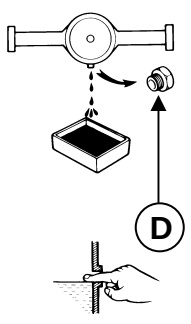
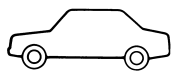
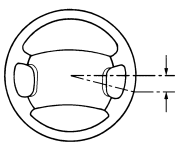
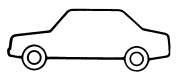
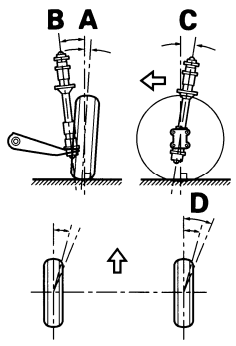
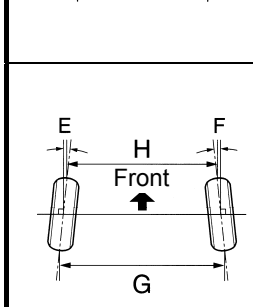
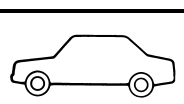
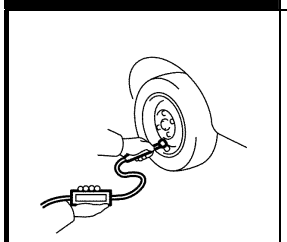
		KUN	LAN
		Power Window Control System	
 20°C *(68°F)*		1.25 to 1.29	
		1KD-FTV	2KD-FTV / 5L-E
CC *(cu. in.)*		2982 *(182.0)*	2494 *(152.2)* / 2986 *(182.2)*
			-
 mm *(in.)* N *(kgf)*		-	10 to 14 *(0.39 to 0.55)* *196 to 343 *(20 to 35)*
		-	15 to 20 *(0.59 to 0.79)* *196 to 392 *(20 to 40)*
		-	9.0 to 13 *(0.35 to 0.51)* *245 to 343 *(25 to 35)*
 20°C *(68°F)* Ω		0.95	0.72
20°C *(68°F)*  sec.		0°C *(32°F)*: 3 5°C *(41°F)*: 2 30°C *(86°F)*: 0.5	0°C *(32°F)*: 3.5 30°C *(86°F)*: 0.5	8°C *(46°F)*: 4.5 28°C *(82°F)*: 2.3 55°C *(131°F)*: 1.2
 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*3 750 to 850*4
		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)*	
	3000 rpm 	⬆ 245 *(2.5, 36)*	⬆ 294 to 539 *(3.0 to 5.5, 43 to 78)*
		1KD-FTV / 2KD-FTV	5L-E
 Liter *(US qts, Imp. qts)*		6.6 *(7.0, 5.8)*	6.7 *(7.1, 5.9)*
		6.9 *(7.3, 6.1)*	7.2 *(7.6, 6.3)*
N*m *(kgf*cm, ft.*lbf)*		G-DLD1 or API grade CF-4, CF (You may also use API CE or CD)	5W-30*5 API grade CF-4 or CF (You may also use API CE or CD)
	A	34 *(347, 25)*	35 *(357, 26)*
 Liter *(US qts, Imp. qts)*		9.8 *(10.4, 8.6)*	9.4 *(9.9, 8.3)*
		11.1 *(11.7, 9.8)*	-

*1: New *2: Used *3: A/C switch OFF *4: A/C switch ON
*5: 5W-30 is the best choice for your vehicle, for good fuel economy, and good starting in cold weather.

TOYOTA MOTOR CORPORATION Technical Service Division

			
 mm *(in.)*	A	**179.9 to 189.9** *(7.08 to 7.48)*	**179.6 to 189.6** *(7.07 to 7.46)*
	B	**5 to 15** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		**SAE J1704 or FMVSS No. 116 DOT4**	
			
 mm *(in.)*	A	**M/T 168.3 to 178.3*2** *(6.626 to 7.019)* **A/T 169.3 to 179.3*2** *(6.666 to 7.059)*	**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** *(0.039 to 0.236)*	
	C*1	⬆ **87** *(3.425)*	⬆ **89** *(3.504)*
		**SAE J1704 or FMVSS No. 116 DOT4**	
mm *(in.)*			
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9 Clicks**	
 mm *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.024)*	
 mm *(in.)*		⬆ **1.0** *(0.039)*	
 mm *(in.)*		⬇ **297** *(11.693)*	
			
 **N*m** *(kgf*cm, ft.*lbf)*		**105** *(1071, 77)*	
		**1KD-FTV, 2KD-FTV**	**5L-E**
 **Liter** *(US qts, Imp. qts)*	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)*
		API GL-4 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	A	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*		**Up to 2.0** *(2.1, 1.8)*	-
		Toyota Genuine ATF Type T-IV	-
N*m *(kgf*cm, ft.*lbf)*	B	**20** *(205, 15)*	

 **Liter** *(US qts, Imp. qts)*		**1.4** *(1.5, 1.3)*	
		Hypoid gear oil API GL-5 SAE 75W-90 or Toyota Genuine Transfer Gear Oil LF or Equivalent SAE 75W	
N*m *(kgf*cm, ft.*lbf)*	C	**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 *(3.01 to 3.12, 2.51 to 2.60)*
			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 or SAE 80W (⬇ -18 °C (0 °F))	**Hypoid gear oil API GL-5 SAE 90 (⬆ -18 °C (0 °F)) SAE 80W-90 or SAE 80W (⬇ -18 °C (0 °F))**
N*m *(kgf*cm, ft.*lbf)*	D	**39** *(400, 29)*	**49** *(500, 36)*
		**KUN, LAN**	
 mm *(in.)*		⬇ **30** *(1.18)*	
			
	A	**Please refer to the Repair Manual (Service Specifications / Suspension)**	
	B		
	C		
	D		
	E+F		
	G-H		
			
 **kPa** *(kgf/cm², psi)*	**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: w/o VSC *3: w/ VSC

TOYOTA FORTUNER Diesel

KUN51, 60, 61
LAN50

2014/10 -

		KUN	LAN
		Power Window Control System	
	20°C *(68°F)*	**1.25 to 1.29**	

		1KD-FTV	2KD-FTV	5L-E
	CC *(cu. in.)*	**2982** *(182.0)*	**2494** *(152.2)*	**2986** **(***182.2)*
		Used / New		**-**
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)*
Ω	**20°C** *(68°F)*	**0.95**		**0.72**
sec.	**20°C** *(68°F)*	**0°C** *(32°F)*: **3** **5°C** *(41°F)*: **2** **30°C** *(86°F)*: **0.5**	**0°C** *(32°F)*: **3.5** **30°C** *(86°F)*: **0.5**	**8°C** *(46°F)*: **4.5** **28°C** *(82°F)*: **2.3** **55°C** *(131°F)*: **1.2**
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*1** **750 to 850*2**
		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)*	
kPa *(kgf/cm²*, *psi)*	**3000 rpm**	⬆ **245** *(2.5, 36)*	⬆ **294 to 539** *(3.0 to 5.5, 43 to 78)*

		1KD-FTV	2KD-FTV	5L-E
Liter *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*		**6.7** *(7.1, 5.9)*
Liter *(US qts, Imp. qts)*		**6.9** *(7.3, 6.1)*		**7.2** *(7.6, 6.3)*
		G-DLD1 or API grade CF-4, CF (You may also use API CE or CD)		**5W-30*3 API grade CF-4 or CF** (You may also use API CE or CD)
N*m *(kgf*cm, ft.*lbf)*	A	**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)*
Liter *(US qts, Imp. qts)*	P R N D 2 L	**11.1** *(11.7, 9.8)*		**-**

*1: A/C switch OFF *2: A/C switch ON
*3: 5W-30 is the best choice for your vehicle, for good fuel economy, and good starting in cold weather.

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