mm (in.)	A	179.6 to 189.6 (7.070 to 7.464)	
	B	5 to 15 (0.20 to 0.60)	
	C	⬆ 25 (0.98)	
		SAE J1703 or FMVSS No. 116 DOT3	
mm (in.)	A	152.9 to 162.9 (6.020 to 6.413)	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	2WD ⬆ 78 (3.07) 4WD ⬆ 85 (3.347)	2WD ⬆ 82 (3.23) 4WD ⬆ 89 (3.50)
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
200 N (20 kgf, 45 lbf)		7 to 9	
mm (in.)	A	⬆ 1.0 (0.039)	
	B	⬆ 26 (1.02)	⬆ 23 (0.91)
mm (in.)		⬆ 1.0 (0.039)	
mm (in.)		⬇ 256 (10.079)	⬇ 297 (11.693)
		4 X 2	4 X 4
N·m (kgf·m, ft·lbf)		*2 152 (15.5, 112) *3 121 (12.3, 89)	105 (10.7, 77)
		TGN	GGN
liter (US qts, Imp. qts)		1TR-FE 2.2 (2.3, 1.9) 2TR-FE 2WD 2.6 (2.7, 2.3) 4WD 2.2 (2.3, 1.9)	2WD 2.6 (2.7, 2.3) 4WD 2.2 (2.3, 1.9)
		API GL-4 or GL-5 SAE 75W-90	
liter (US qts, Imp. qts)		———	Up to 3.0 (3.2, 1.9)
		———	Toyota Genuine ATF WS

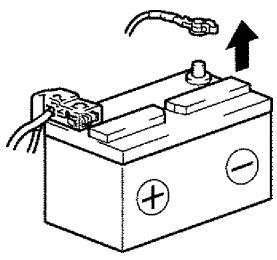
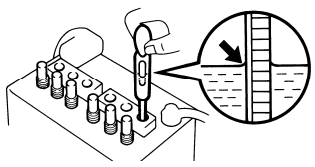
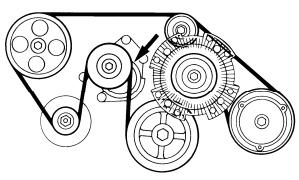
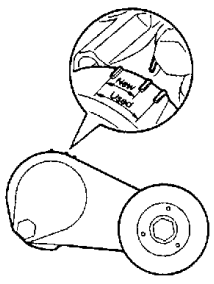
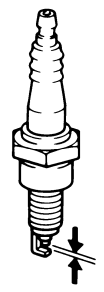
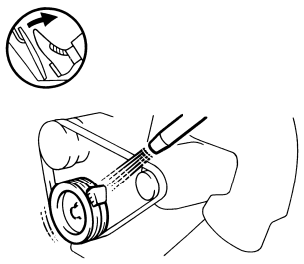
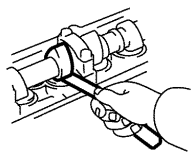
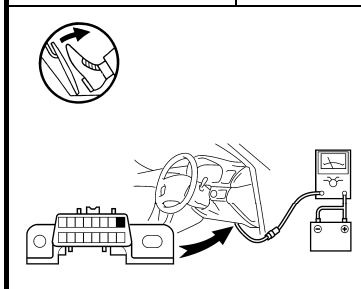
liter (US qts, Imp. qts)		1.0 (1.1, 0.9)	
		Hypoid gear oil API GL-4 or GL-5 SAE 75W-90	
		Item: Front diff. w/ A.D.D. — Capacity: 1.60 to 1.70 (1.69 to 1.80, 1.40 to 1.50) — Viscosity: SAE 75W-90	
		Front diff. w/o A.D.D. — 1.40 to 1.50 (1.48 to 1.59, 1.23 to 1.31) — SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))	
		2 Pinion and diff. lock — 2.90 to 3.00 (3.07 to 3.17, 2.55 to 2.64) — SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))	
		Rear diff. made for TSAM (2WD and Made for DANA) — 2.30 to 2.40 (2.43 to 2.54, 2.02 to 2.11) — SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))	
		Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA) — 2.40 to 2.50 (2.54 to 2.64, 2.11 to 2.20) — SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))	
		Rear diff. (w/ LSD for 2WD) — 3.15 to 3.25 (3.30 to 3.43, 2.77 to 2.86) — SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))	
		Rear diff. (w/ LSD for 4WD) — 3.30 to 3.40 (3.49 to 3.59, 2.90 to 2.99) — SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))	
		Item: Front diff. — Oil grade: Hypoid gear oil API GL-5 or equivalent	
		Rear diff. (2WD and w/o LSD) — Hypoid gear oil API GL-5 or equivalent	
		Rear diff. (w/ LSD) — Hypoid gear oil LSD API GL-5 or equivalent	
N·m (kgf·cm, ft·lbf)	A	37 (377, 27)	
	B	20 (204, 15)	
	C	37 (377, 27)	
	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/cm², psi)	195R14C (8PR 106/104S) — 2WD — Single cab	240 (2.4, 35)	300 (3.0, 44)
	195R14C (8PR 106/104S) — 2WD — Extra cab and double cab	260 (2.6, 38)	260 (2.6, 38)
	205/70R15C (8PR 106/104S) — 2WD — Single cab	240 (2.4, 35)	330 (3.3, 48)
	205/70R15C (8PR 106/104S) — 2WD — Extra cab and double cab	260 (2.6, 38)	290 (2.9, 42)
	205R16C (8PR 110/108S) — 4WD	240 (2.4, 35)	240 (2.4, 35)
	255/70R15C (112/110S) — 4WD	200 (2.0, 29)	200 (2.0, 29)

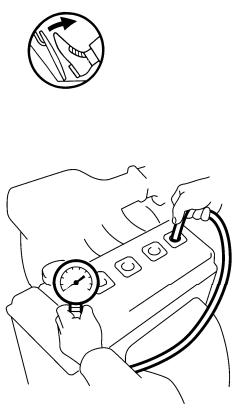
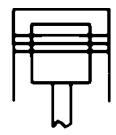
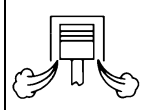
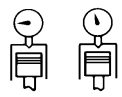
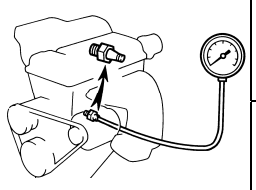
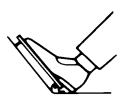
*1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2 Steel wheels *3 Aluminum wheels

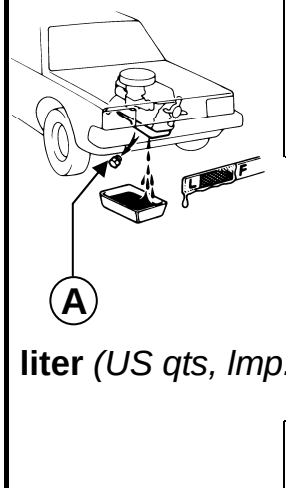
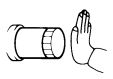
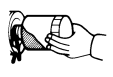
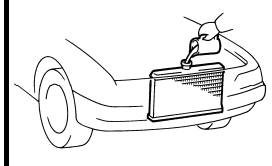
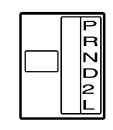
HILUX

TGN 15, 16, 26
GGN 15, 16, 26

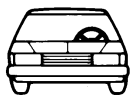
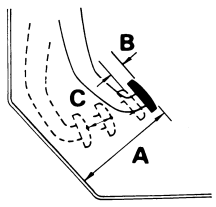
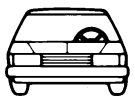
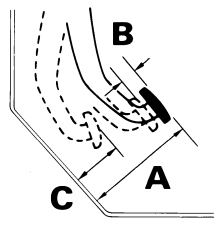
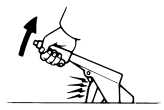
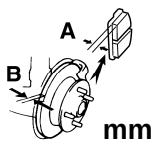
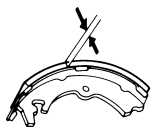
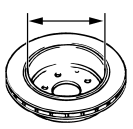
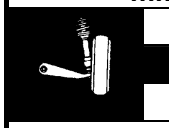
2005/02 – 2005/07

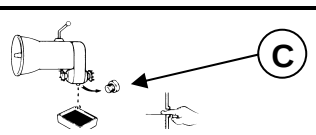
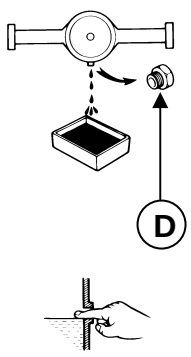
		TGN	GGN
 *1	 *2		
 **20°C** *(68°F)*		**1.25 to 1.29**	
		1TR-FE	**2TR-FE**	**1GR-FE**
	cm³ or CC *(cu. in.)*	**1998** *(121.9)*	**2694** *(164.4)*	**3956** *(241.4)*
				———
 **A**	**DENSO**	K20HR-U11	K20HR-U11	K20HR-U11
	NGK	———	———	LFR6C11
	A **mm** *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*		
 **BTDC**		**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**		**650 to 750**	**650 to 700**	**600 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)*		
	3,000 rpm 	**160 to 490** *(1.6 to 5.0, 23 to 71)*		**294 to 588** *(3.0 to 6.0, 43 to 85)*

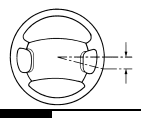
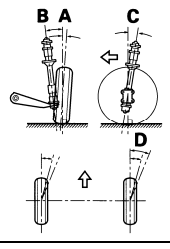
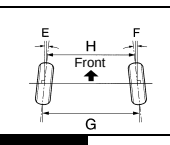
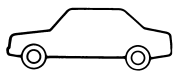
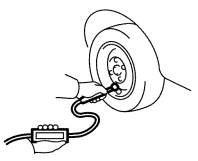
		1TR-FE	**2TR-FE**	**1GR-FE**
 **liter** *(US qts, lmp.qts)*		**5.3** *(5.6, 4.7)*		**5.2** *(5.5, 4.6)*
		**5.6** *(5.9, 4.9)*		**5.5** *(5.8, 4.8)*
		20W-50 and 15W-40 API grade SJ or SL multigrade engine oil **10W-30 and 5W-30** API grade SJ "Energy-Conserving", SL "Energy-Conserving" or ILSAC*3 multigrade engine oil		
Nm *(kgf·cm, ft-lbf)*	Ⓐ	**37.5** *(382, 28)*		**40** *(408, 30)*
 **liter** *(US qts, lmp.qts)*		**7.0** *(7.4, 6.2)*	**7.0** *(7.4, 6.2)*	**8.5** *(9.0, 7.5)*
		———	**7.3** *(7.7, 6.4)*	**9.8** *(10.4, 8.6)*

*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Calibrate Compass
*3 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	**M/T 152.9 to 162.9** *(6.020 to 6.413)* **A/T 154.1 to 164.1** *(6.067 to 6.461)*	**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** *(0.0394 to 0.236)*	
	C *1	2WD **78** *(3.071)* 4WD **85** *(3.347)*	2WD **82** *(3.228)* 4WD and Pre-runner **89** *(3.504)*
 **mm** *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9**	
 **mm** *(in.)*	A	**1.0** *(0.039)*	
	B 2WD	**26** *(1.02)*	**26** *(1.02)*
	B 4WD and Pre-Runner	**23** *(0.91)*	**23** *(0.91)*
 **mm** *(in.)*		**1.0** *(0.039)*	
 **mm** *(in.)*	2WD	**256** *(10.079)*	**256** *(10.079)*
	4WD and Pre-Runner	**297** *(11.693)*	**297** *(11.693)*
		4 X 2	**4 X 4**
 **N·m** *(kgf·m, ft·lbf)*		*2 **152** *(15.5, 112)* *3 **121** *(12.3, 89)*	**105** *(10.7, 77)*
		1TR-FE	**2TR-FE** / **1GR-FE**
liter *(US qts, Imp. qts)*	A	2WD **2.2** *(2.3, 1.9)* 4WD and Pre-Runner -	2WD **2.6** *(2.7, 2.3)* 4WD and Pre-Runner **2.2** *(2.3, 1.9)* / 2WD - 4WD **2.2** *(2.3, 1.9)*
		API GL-4 or GL-5 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	A	**37** *(377, 27)*	
liter *(US qts, Imp. qts)*	B	-	- / **Up to 3.0** *(3.2, 1.9)*
	B	-	- / **Toyota Genuine ATF WS**
N·m *(kgf·cm, ft·lbf)*	B	**20** *(204, 15)*	

 **liter** *(US qts, Imp. qts)*	C	**1.0** *(1.1, 0.9)*	
		Hypoid gear oil API GL-4 or GL-5 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	C	**37** *(377, 27)*	
 **liter** *(US qts, Imp. qts)*	D	**39** *(400, 29)*	**49** *(500, 36)*

Item	Capacity	Viscosity
Front diff. w/ A.D.D.	**1.60 to 1.70** *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
Front diff. w/o A.D.D.	**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TMT (2WD and w/ LSD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TMT (4WD and w/o LSD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (2WD and Made for DANA)	**2.30 to 2.40** *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	**2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 2WD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 4WD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (w/ diff. lock)	**2.85 to 2.95** *(3.01 to 3.12, 2.51 to 2.60)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Item	Oil grade	
Front diff.	Hypoid gear oil API GL-5 or equivalent	
Rear diff. (2WD and w/o LSD)		
Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent	

		TGN, GGN	
 **mm** *(in.)*		**30** *(1.2)*	
			
 	A B C D E+F G-H	**Please refer to the Repair Manual (Service Specifications, Suspension)**	-
			
 **kPa** *(kgf/cm², psi)*			

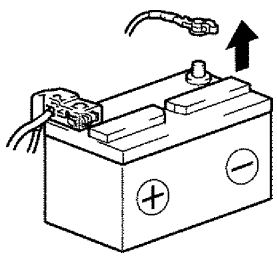
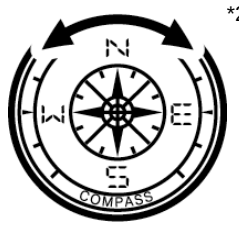
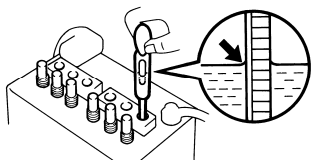
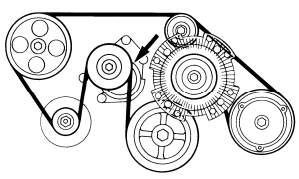
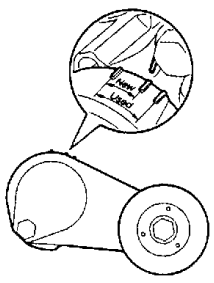
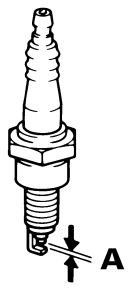
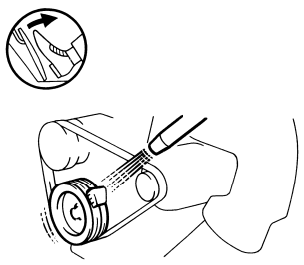
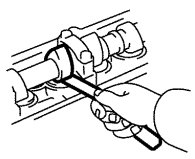
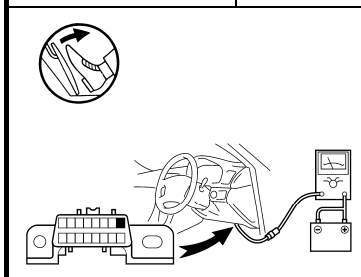
195R14C *(8PR 106/104S)*	2WD	Single cab	**240** *(2.4, 35)*	**300** *(3.0, 44)*
		Extra cab and double cab	**260** *(2.6, 38)*	**260** *(2.6, 38)*
205/70R15C *(8PR 106/104S)*	2WD	Single cab	**240** *(2.4, 35)*	**330** *(3.3, 48)*
		Extra cab and double cab	**260** *(2.6, 38)*	**290** *(2.9, 42)*
205R16C *(8PR 110/108S)*	4WD and Pre-Runner		**240** *(2.4, 35)*	**240** *(2.4, 35)*
255/70R15C *(112/110S)*			**200** *(2.0, 29)*	**200** *(2.0, 29)*

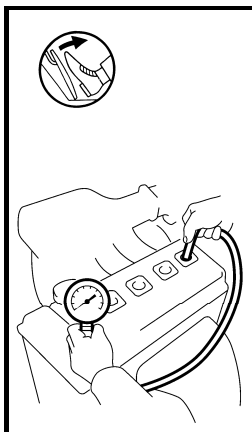
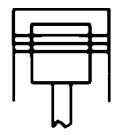
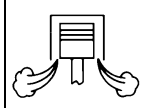
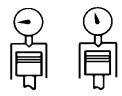
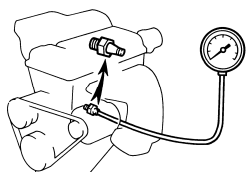
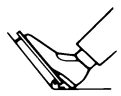
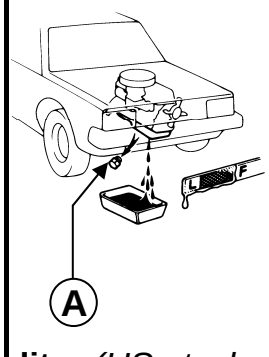
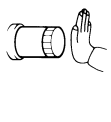
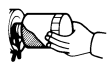
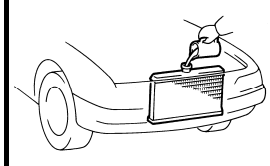
*1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2 Steel wheels *3 Aluminum wheels

HILUX

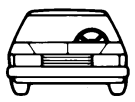
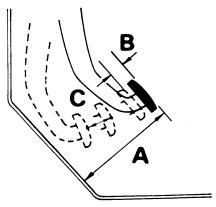
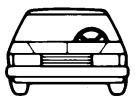
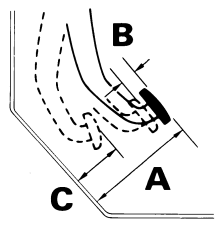
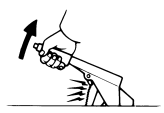
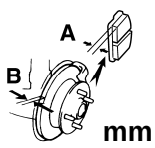
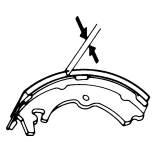
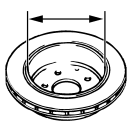
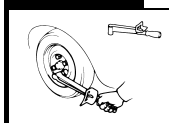
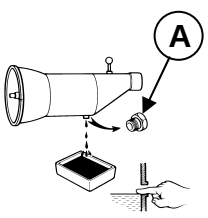
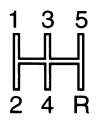
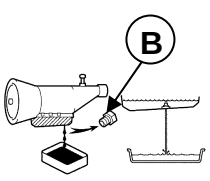
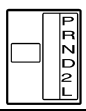
TGN 10, 11, 15, 16, 26, 36
GGN 15, 25

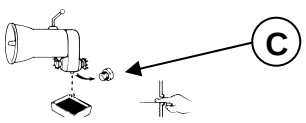
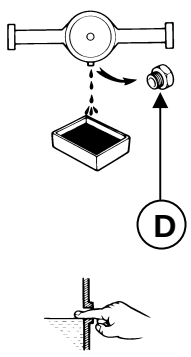
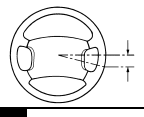
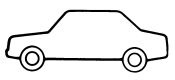
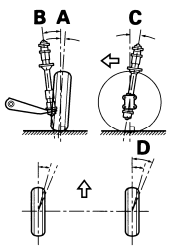
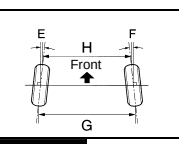
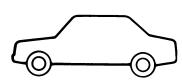
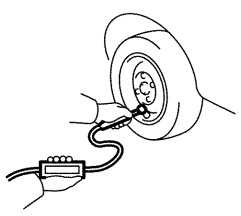
2005/07 – 2008/08

		TGN	GGN
 *1		 *2	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		1TR-FE	**2TR-FE**	**1GR-FE**
	cm³ or CC *(cu. in.)*	**1998** *(121.9)*	**2694** *(164.4)*	**3956** *(241.4)*
				-
 **A**	**DENSO**	K20HR-U11	K20HR-U11	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)
		-	-	**0.15 to 0.25** *(0.006 to 0.010)*
mm *(in.)*		-	-	**0.29 to 0.39** *(0.011 to 0.015)*
 **rpm**		**650 to 750**	**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)*		
	3,000 rpm 	**160 to 490** *(1.6 to 5.0, 23 to 71)*		**294 to 588** *(3.0 to 6.0, 43 to 85)*
		1TR-FE	**2TR-FE**	**1GR-FE**
 **liter** *(US qts, lmp.qts)*		**5.3** *(5.6, 4.7)*		**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[*3] multigrade engine oil		
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**37.5** *(382, 28)*		**40** *(408, 30)*
 **liter** *(US qts, lmp.qts)*	1 3 5 / 2 4 R	**7.0** *(7.4, 6.2)*	**7.0** *(7.4, 6.2)*	**8.5** *(9.0, 7.5)*
	P R N D 2 L	-	-	**9.8** *(10.4, 8.6)*

[*1] Initialization required. Refer to the repair manual for the initialization procedures. [*2] Calibrate Compass
[*3] ILSAC: International Standardization and Approval Committee

			
	A	**179.9 to 189.9** *(7.083 to 7.476)*	
	B	**5 to 15** *(0.20 to 0.60)*	
	C	**25** *(0.98)*	
 **mm** *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
			
	A	**M/T 152.9 to 162.9** *(6.020 to 6.413)* **A/T 154.1 to 164.1** *(6.067 to 6.461)*	**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** *(0.0394 to 0.236)*	
mm *(in.)*	C *1	**2WD** **78** *(3.071)* **4WD** **85** *(3.347)*	**2WD** **82** *(3.228)* **4WD and Pre-runner** **89** *(3.504)*
 **mm** *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9**	
 **mm** *(in.)*	A	**1.0** *(0.039)*	
	B	**26** *(1.02)*	**26** *(1.02)*
 **mm** *(in.)*		**1.0** *(0.039)*	
 **mm** *(in.)*	2WD	**256** *(10.079)*	**256** *(10.079)*
	4WD and Pre-Runner	**297** *(11.693)*	**297** *(11.693)*
		4 X 2	**4 X 4**
 **N·m** *(kgf·m, ft·lbf)*		*2 **152** *(15.5, 112)* *3 **121** *(12.3, 89)*	**105** *(10.7, 77)*
		1TR-FE	**2TR-FE**
 **liter** *(US qts, Imp. qts)*	A 	**2WD** **2.2** *(2.3, 1.9)* **4WD and Pre-Runner** -	**2WD** **2.6** *(2.7, 2.3)* **4WD and Pre-Runner** **2.2** *(2.3, 1.9)*
N·m *(kgf·cm, ft·lbf)*	A	**API GL-4 or GL-5 SAE 75W-90**	
 **liter** *(US qts, Imp. qts)*	B 	-	**Up to 2.0** *(2.1, 1.8)*
		-	**Toyota Genuine ATF Type T-IV**
N·m *(kgf·cm, ft·lbf)*	B	**37** *(377, 27)*	

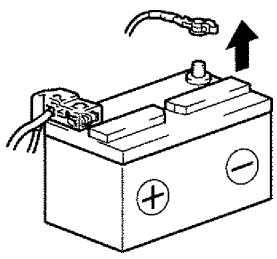
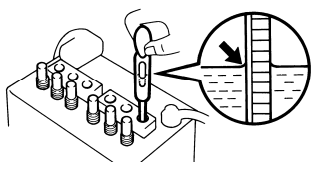
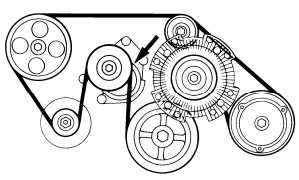
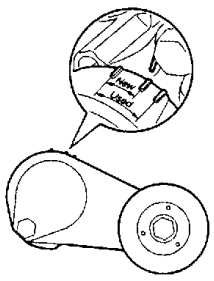
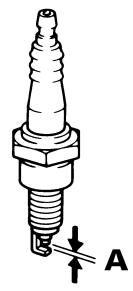
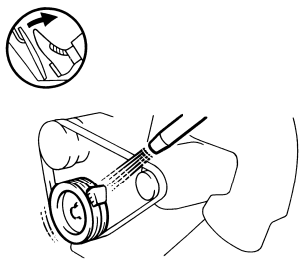
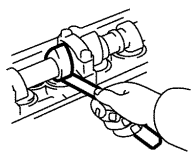
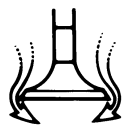
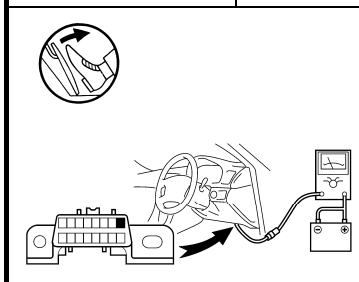
 **liter** *(US qts, Imp. qts)*	C	**1.0** *(1.1, 0.9)*	
		Hypoid gear oil API GL-4 or GL-5 SAE 75W-90	
N·m *(kgf·cm, ft·lbf)*	C	**37** *(377, 27)*	
 **liter** *(US qts, Imp. qts)*	D	Item / Capacity / Viscosity	
		Front diff. w/ A.D.D.	**1.60 to 1.70** *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
		Front diff. w/o A.D.D.	**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TMT (2WD and w/ LSD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TMT (4WD and w/o LSD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TSAM (2WD and Made for DANA)	**2.30 to 2.40** *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	**2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TSAM (w/ LSD for 2WD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TSAM (w/ LSD for 4WD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Rear diff. made for TSAM (w/ diff. lock)	**2.85 to 2.95** *(3.01 to 3.12, 2.51 to 2.60)*	SAE 90 (above -18°C (0°F)) SAE 80W or 80W-90 (below -18°C (0°F))
		Item	Oil grade	
		Front diff.	Hypoid gear oil API GL-5 or equivalent	
		Rear diff. (2WD and w/o LSD)		
		Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent	
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 Pub. No. RM00L3E (Service Specifications)**	-
	B		
	C		
	D		
	E+F		
	G-H		
			
 **kPa** *(kgf/cm^2, psi)*		**Please refer to the Repair Manual Pub. No. RM00L3E (Service Specifications)**	

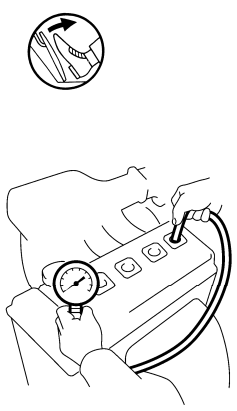
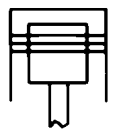
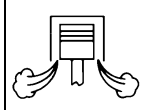
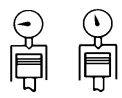
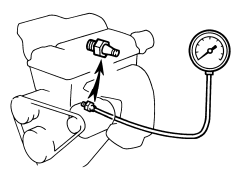
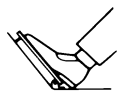
*1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2 Steel wheels *3 Aluminum wheels

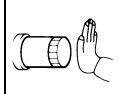
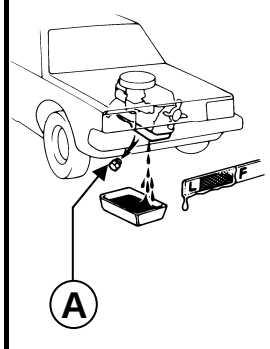
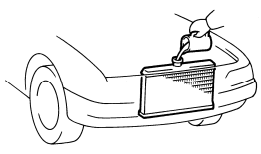
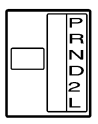
HILUX

TGN 10, 11, 15, 16, 26, 36
GGN 15, 25, 35

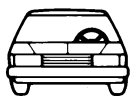
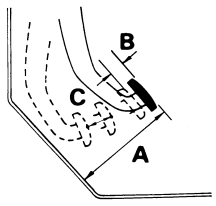
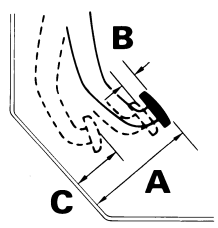
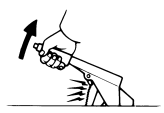
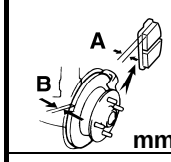
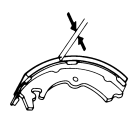
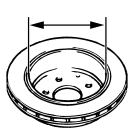
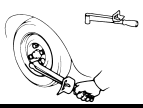
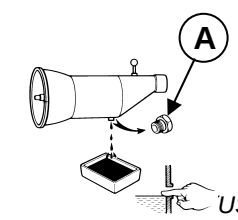
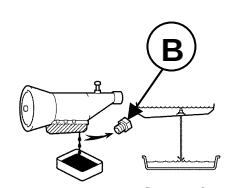
2008/08 - 2010/08

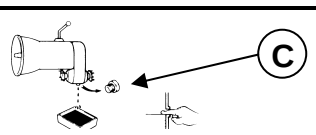
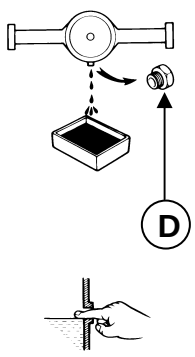
		TGN	GGN
 *1		 *2	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		1TR-FE	**2TR-FE**	**1GR-FE**
cm³ or CC *(cu. in.)*		**1998** *(121.9)*	**2694** *(164.4)*	**3956** *(241.4)*
		-		
 **A**	**DENSO**	K20HR-U11	K20HR-U11	K20HR-U11
	NGK	-	-	LFR6C11
	A mm *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*		
 **BTDC**		**3 to 7°** (DLC3 terminals 13 (TC) – 4 (CG) connected)		**8 to 12°** (DLC3 terminals 13 (TC) – 4 (CG) connected)
		-	-	**0.15 to 0.25** *(0.006 to 0.010)*
mm *(in.)*		-	-	**0.29 to 0.39** *(0.011 to 0.015)*
 **rpm**		 **650 to 750**	 **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)*	
	3,000 rpm 	**160 to 490** *(1.6 to 5.0, 23 to 71)*	**294 to 588** *(3.0 to 6.0, 43 to 85)*

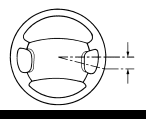
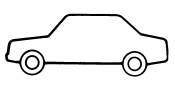
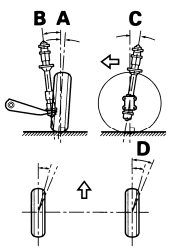
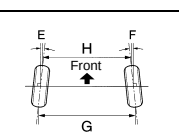
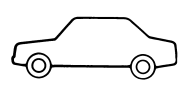
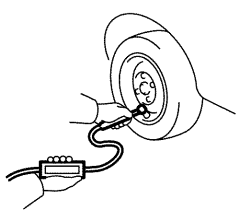
		1TR-FE	**2TR-FE**	**1GR-FE**
		**5.3** *(5.6, 4.6)*		**5.2** *(5.5, 4.6)*
		**5.6** *(5.9, 4.9)*		**5.5** *(5.8, 4.8)*
 **liter** *(US qts, lmp.qts)*		**20W-50 and 15W-40** API grade SL or SM multigrade engine oil **10W-30 and 5W-30** API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC[*3] multigrade engine oil		
N·m *(kgf·cm, ft·lbf)*	Ⓐ	**37.5** *(382, 28)*		**40** *(408, 30)*
 **liter** *(US qts, lmp.qts)*		**7.0** *(7.4, 6.2)*	**w/o Heater: 7.0** *(7.4, 6.2)* **w/ Heater: 7.8** *(8.2, 6.9)*	**8.5** *(9.0, 7.5)*
		-	**w/o Heater: 7.3** *(7.7, 6.4)* **w/ Heater: 8.1** *(8.6, 7.1)*	**9.8** *(10.4, 8.6)*

*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Calibrate Compass
*3 ILSAC: International Standardization and Approval Committee

			
 mm *(in.)*	A	**179.9 to 189.9** *(7.08 to 7.47)*	**179.6 to 189.6** *(7.07 to 7.46)*
	B	**5 to 15** *(0.197to 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 6.413)* **A/T 154.1 to 164.1** *(6.067 to 6.461)*	**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	⬆ **78** *(3.071)*4* ⬆ **85** *(3.347)*5*	⬆ **82** *(3.228)*4* ⬆ **89** *(3.504)*6*
		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**6 to 8 Clicks*4 7 to 9 Clicks*5**	
 mm *(in.)*	A	⬆ **1.0** *(0.039)*	
	B	**26** *(1.02)* **23** *(0.906)*7*	**26** *(1.02)* **23** *(0.906)*7*
 mm *(in.)*		⬆ **1.0** *(0.039)*	
 mm *(in.)*		⬇ **256** *(10.079)*4*	⬇ **256** *(10.079)*4*
		⬇ **297** *(11.693)*6*	⬇ **297** *(11.693)*6*
		2WD	**4WD**
 **N*m** *(kgf*cm, ft.*lbf)*		**152** *(15.5, 112)*2* **121** *(12.3, 89)*3*	**105** *(10.7, 77)*
		1TR-FE	**2TR-FE**
 *US qts, Imp. qts)*	1 3 5 / 2 4 R	**2.2** *(2.3, 1.9)*4*	**2.6** *(2.7, 2.3)*4* **2.2** *(2.3, 1.9)*5*
		API GL-4 or GL-5 SAE 75W-90	
N*m *(kgf*cm, ft.*lbf)*	A	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*	PRND2L	-	**2.0** *(2.1, 1.8)*
		-	**Toyota Genuine ATF Type T-IV**
N*m *(kgf*cm, ft.*lbf)*	B	**20** *(204, 15)*	

 **Liter** *(US qts, Imp. qts)*	C	**1.0** *(1.1, 0.9)*	
		Hypoid gear oil API GL-4 or GL-5 SAE 75W-90	
N*m *(kgf*cm, ft.*lbf)*	C	**37** *(377, 27)*	
 **Liter** *(US qts, Imp. qts)*	D	**39** *(400, 29)*10*	**49** *(500, 36)*11*

Item	Capacity	Viscosity
Front diff. w/ A.D.D.	1.60 to 1.70 *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
Front diff. w/o A.D.D.	1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TMT (2WD and w/ LSD)	3.15 to 3.25 *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TMT (4WD and w/o LSD)	3.30 to 3.40 *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (2WD and Made for DANA)	2.30 to 2.40 *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	2.40 to 2.50 *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 2WD)	3.15 to 3.25 *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 4WD)	3.30 to 3.40 *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ diff. lock)	2.85 to 2.95 *(3.01 to 3.12, 2.51 to 2.60)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Item	Oil grade	
Front diff.	Hypoid gear oil API GL-5 or equivalent	
Rear diff. (2WD and w/o LSD)		
Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent	

		TGN, GGN	
 mm *(in.)*		⬇ **30** *(1.2)*	
			
	A B C D	**Refer to Repair Manual Pub. No. RM00L5E (Service Specifications / Suspension)**	-
	E+F G-H		
			
 **kPa** *(kgf/cm^2, psi)*		**Refer to Repair Manual Pub. No. RM00L5E (Service Specifications / Tire and Wheel)**	

*1: When 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
*4: for 2WD *5: for 4WD *6: for 4WD and Pre-runner *7: for TMT and TSAM Made 4WD, and TSAM Made Pre-runner
*8: Refer to Repair Manual Pub. No. RM00L5E (A750E Automatic Transmission / Automatic Transmission Fluid)
*9: Refer to Repair Manual Pub. No. RM00L5E (A750F Automatic Transmission / Automatic Transmission Fluid)
*10: for Front Differential *11: for Rear Differential

HILUX

TGN10, 11, 15, 16, 26, 36
GGN15, 25, 35

2010/08 -

		TGN	GGN
*1		**Power Window Control System**	
		Meter / Gauge System	
20°C *(68°F)*		**1.25 to 1.29**	
		1TR-FE	**2TR-FE**	**1GR-FE**
CC *(cu. in.)*		**1998** *(121.9)*	**2694** *(164.4)*	**3956** *(241.4)*
		*2 *3		-
	DENSO	**K20HR-U11**	**K20HR-U11**	**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)*
[DLC3 terminal 9 (TAC) connected] **rpm**		**650 to 750**	**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)*
		1TR-FE	**2TR-FE**	**1GR-FE**
		5.3 *(5.6, 4.6)*		**5.2** *(5.5, 4.6)*
		5.6 *(5.9, 4.9)*		**5.5** *(5.8, 4.8)*
Liter *(US qts, Imp.qts)*		**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*4 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	**7.0** *(7.4, 6.2)*	**w/o Heater: 7.0** *(7.4, 6.2)* **w/ Heater: 7.8** *(8.2, 6.9)*	**8.5** *(9.0, 7.5)*
	P R N D 2 L	**-**	**w/o Heater: 7.3** *(7.7, 6.4)* **w/ Heater: 8.1** *(8.6, 7.1)*	**9.8** *(10.4, 8.6)*

*1: Initialization required. Refer to the repair manual for the initialization procedures. *2: New *3: Used
*4: 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)*	
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
A		**152.9 to 162.9** *(6.020 to 6.413)*	**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		**2WD** ⬆ **78** *(3.07)* **4WD** ⬆ **85** *(3.35)*	**2WD** ⬆ **82** *(3.23)* **4WD** ⬆ **89** *(3.50)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
200 N *(20 kgf, 45 lbf)*		**7 to 9**	
A		⬆ **1.0** *(0.039)*	
B		⬆ **26** *(1.02)*	⬆ **23** *(0.91)*
mm *(in.)*		⬆ **1.0** *(0.039)*	
mm *(in.)*		⬇ **256** *(10.079)*	⬇ **297** *(11.693)*
		4 X 2	**4 X 4**
N·m *(kgf·m, ft·lbf)*		*2 **152** *(15.5, 112)* *3 **121** *(12.3, 89)*	**105** *(10.7, 77)*
		1KD-FTV	**2KD-FTV**
A	1 3 5 / 2 4 R	**2WD 2.6** *(2.7, 2.3)* **4WD 2.2** *(2.3, 1.9)*	**2.2** *(2.3, 1.9)*
liter *(US qts, Imp. qts)*		**API GL-4 or GL-5 SAE 75W-90**	
B	P R N D 2 L	**Up to 2.0** *(2.1, 1.8)*	
liter *(US qts, Imp. qts)*		**Toyota Genuine ATF WS**	

C		**1.0** *(1.1, 0.9)*	
liter *(US qts, Imp. qts)*		**Hypoid gear oil API GL-4 or GL-5 SAE 75W-90**	

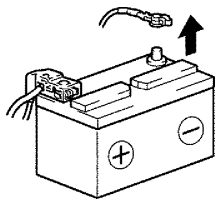
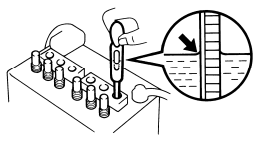
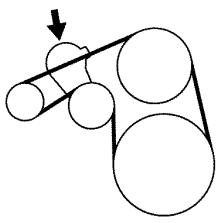
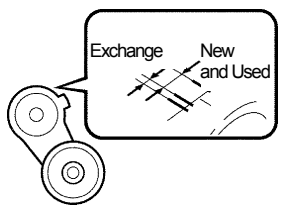
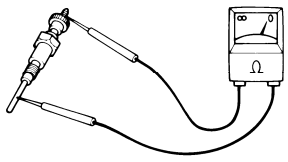
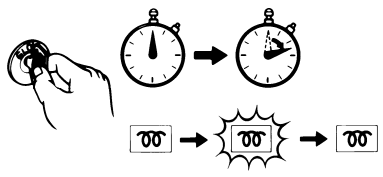
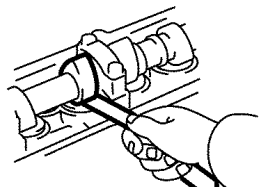
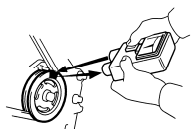
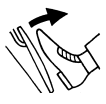
Item	Capacity	Viscosity
Front diff. w/ A.D.D.	**1.60 to 1.70** *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
Front diff. w/o A.D.D.	**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
2 Pinion and diff. lock	**2.90 to 3.00** *(3.07 to 3.17, 2.55 to 2.64)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (2WD and Made for DANA)	**2.30 to 2.40** *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	**2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. (w/ LSD for 2WD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. (w/ LSD for 4WD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))

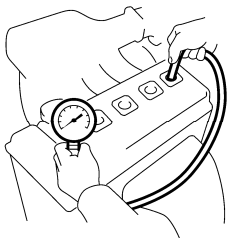
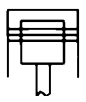
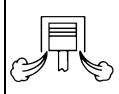
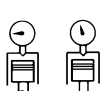
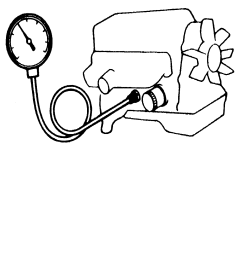
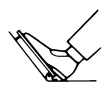
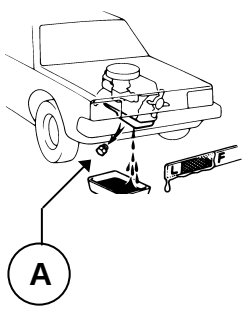
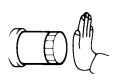
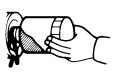
Item	Oil grade
Front diff.	Hypoid gear oil API GL-5 or equivalent
Rear diff. (2WD and w/o LSD)	
Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent

liter *(US qts, Imp. qts)*	A	**37** *(377, 27)*	
	B	**20** *(204, 15)*	
	C	**37** *(377, 27)*	
N·m *(kgf·cm, ft·lbf)*	D	**39** *(400, 29)*	**49** *(500, 36)*
		KUN	
mm *(in.)*		⬇ **30** *(1.2)*	
A		**Please refer to the Repair Manual (Service Specifications, Suspension)**	
B			
C			
D			
E+F			
G-H			

kPa *(kgf/cm², psi)*	**195R14C** *(8PR 106/104S)*	**2WD**	**Single cab**	**240** *(2.4, 35)*	**300** *(3.0, 44)*
			Extra cab and double cab	**260** *(2.6, 38)*	**260** *(2.6, 38)*
	205/70R15C *(8PR 106/104S)*	**2WD**	**Single cab**	**240** *(2.4, 35)*	**330** *(3.3, 48)*
			Extra cab and double cab	**260** *(2.6, 38)*	**290** *(2.9, 42)*
	205R16C *(8PR 110/108S)*	**4WD**		**240** *(2.4, 35)*	**240** *(2.4, 35)*
	255/70R15C *(112/110S)*			**200** *(2.0, 29)*	**200** *(2.0, 29)*

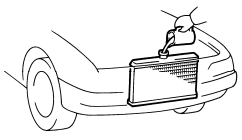
*1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2 Steel wheels *3 Aluminum wheels

		KUN	
 *1		 *2	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		1KD-FTV	**2KD-FTV**
cm³ or CC *(cu. in.)*		**2982** *(182.0)*	**2494** *(152.2)*
			
20°C *(68°F)*  Ω		**0.95**	
20°C *(68°F)*  **secs**		**3.0**	
 **mm** *(in.)*		**0.20 to 0.30** *(0.008 to 0.012)*	
		**0.35 to 0.45** *(0.014 to 0.018)*	
 **rpm**	 1 3 5 2 4 R	**650 to 750**	
	P R N D 2 L	**700 to 800**	
		**4450 to 4750**	

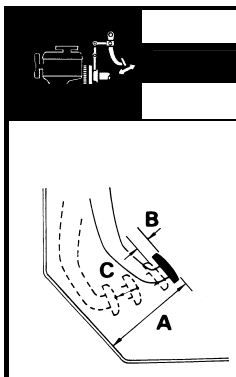
 **kPa** *(kgf/cm², psi)*		**2700** *(27.5, 391)*	
		⬆ **2200** *(22.5, 320)*	
		⬇ **500** *(5.0, 71)*	
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.2)* 	
	3,000 rpm 	⬆ **245** *(2.5, 36)*	
		1KD-FTV	**2KD-FTV**
 **liter** *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*	
		**6.9** *(7.3, 6.1)*	

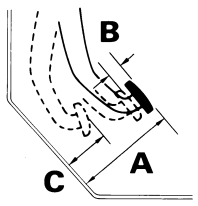
G-DLD1, API CF-4 or CF

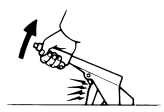
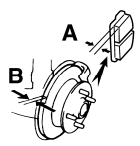
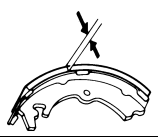
(You may also use API CE or CD.)

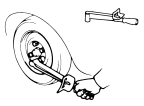
N·m *(kgf·cm, ft·lbf)*	A	**34** *(347, 25)*	
 **liter** *(US qts, Imp. qts)*	1 3 5 2 4 R	**9.8** *(10.4, 8.6)*	**9.0** *(9.5, 7.9)*
	P R N D 2 L	**11.1** *(11.7, 9.8)*	———

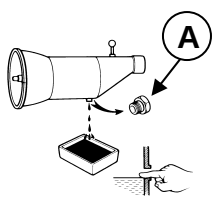
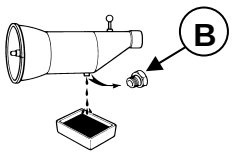
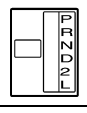
*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Calibrate Compass

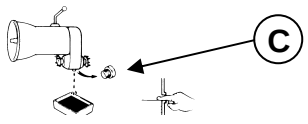
	A	179.6 to 189.6 (7.070 to 7.464)	
	B	5 to 15 (0.20 to 0.60)	
	C	⬆ 25 (0.98)	
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	

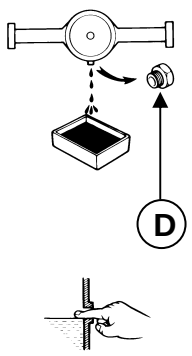
		M/T 152.9 to 162.9 (6.020 to 6.413) A/T 154.1 to 164.1 (6.067 to 6.461)	M/T 156.9 to 166.9 (6.177 to 6.571) A/T 158.1 to 168.1 (6.224 to 6.618)
	B	1 to 6 (0.0394 to 0.236)	
	C*1	2WD ⬆ 78 (3.071) 4WD ⬆ 85 (3.347)	2WD ⬆ 82 (3.228) 4WD and Pre-runner ⬆ 89 (3.504)
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	

 200 N (20 kgf, 45 lbf)		7 to 9	
 mm (in.)	A	⬆ 1.0 (0.039)	
	B 2WD	⬆ 26 (1.02)	⬆ 26 (1.02)
	B 4WD and Pre-Runner	⬆ 23 (0.91)	⬆ 23 (0.91)
 mm (in.)		⬆ 1.0 (0.039)	
 mm (in.)	2WD	⬇ 256 (10.079)	⬇ 256 (10.079)
	4WD and Pre-Runner	⬇ 297 (11.693)	⬇ 297 (11.693)

		4 X 2	4 X 4
 N·m (kgf·m, ft·lbf)		*2 152 (15.5, 112) *3 121 (12.3, 89)	105 (10.7, 77)

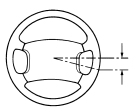
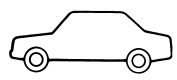
		1KD-FTV	2KD-FTV	5L-E
		2WD 2.6 (2.7, 2.3) 4WD and Pre-Runner 2.2 (2.3, 1.9)	2WD 2.2 (2.3, 1.9) 4WD and Pre-Runner 2.2 (2.3, 1.9)	2WD 2.2 (2.3, 1.9) 4WD and Pre-Runner 2.6 (2.7, 2.3)
liter (US qts, Imp. qts)		API GL-4 or GL-5 SAE 75W-90		
N·m (kgf·cm, ft·lbf)	A	37 (377, 27)		
		Up to 2.0 (2.1, 1.8)	-	
liter (US qts, Imp. qts)		Toyota Genuine ATF T-IV	-	
N·m (kgf·cm, ft·lbf)	B	20 (204, 15)		

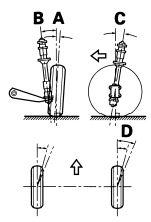
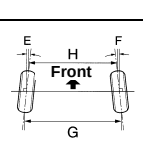
	C	1.0 (1.1, 0.9)	
liter (US qts, Imp. qts)		Hypoid gear oil API GL-4 or GL-5 SAE 75W-90	
N·m (kgf·cm, ft·lbf)	C	37 (377, 27)	

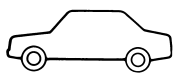
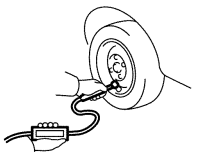


Item	Capacity	Viscosity
Front diff. w/ A.D.D.	1.60 to 1.70 (1.69 to 1.80, 1.40 to 1.50)	SAE 75W-90
Front diff. w/o A.D.D.	1.40 to 1.50 (1.48 to 1.59, 1.23 to 1.31)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TMT (2WD and w/ LSD)	3.15 to 3.25 (3.30 to 3.43, 2.77 to 2.86)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TMT (4WD and w/o LSD)	3.30 to 3.40 (3.49 to 3.59, 2.90 to 2.99)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (2WD and Made for DANA)	2.30 to 2.40 (2.43 to 2.54, 2.02 to 2.11)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	2.40 to 2.50 (2.54 to 2.64, 2.11 to 2.20)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 2WD)	3.15 to 3.25 (3.30 to 3.43, 2.77 to 2.86)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 4WD)	3.30 to 3.40 (3.49 to 3.59, 2.90 to 2.99)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ diff. lock)	2.85 to 2.95 (3.01 to 3.12, 2.51 to 2.60)	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
Item	Oil grade	
Front diff.	Hypoid gear oil API GL-5 or equivalent	
Rear diff. (2WD and w/o LSD)		
Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent	

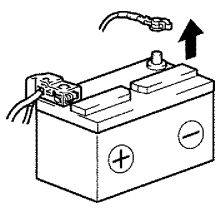
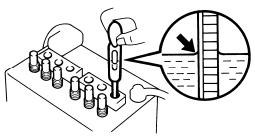
liter (US qts, Imp. qts)			
N·m (kgf·cm, ft·lbf)	D	39 (400, 29)	49 (500, 36)

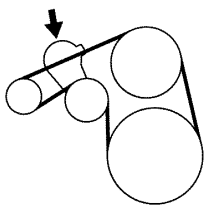
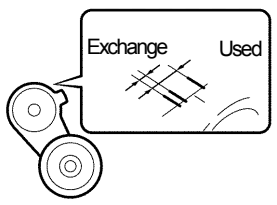
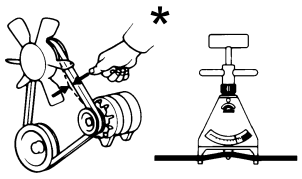
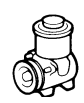
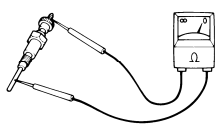
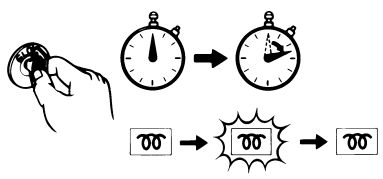
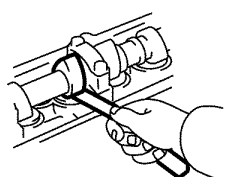
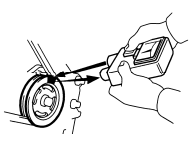
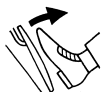
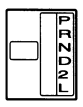
		KUN, LAN	
 mm (in.)		⬇ 30 (1.2)	
			

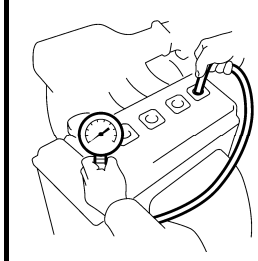
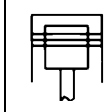
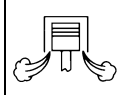
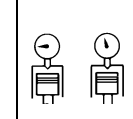
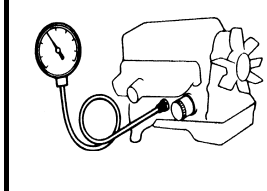
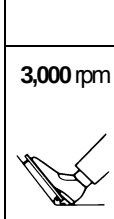
	A	Please refer to the Repair Manual (Service Specifications, Suspension)	-
	B		
	C		
	D		
	E+F		
	G-H		

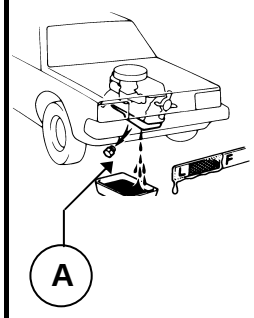
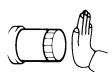
					
 kPa (kgf/cm², psi)	195R14C (8PR 106/104S)	2WD	Single cab	240 (2.4, 35)	300 (3.0, 44)
			Extra cab and double cab	260 (2.6, 38)	260 (2.6, 38)
	205/70R15C (8PR 106/104S)	2WD	Single cab	240 (2.4, 35)	330 (3.3, 48)
			Extra cab and double cab	260 (2.6, 38)	290 (2.9, 42)
	205R16C (8PR 110/108S)	4WD and Pre-Runner		240 (2.4, 35)	240 (2.4, 35)
	255/70R15C (112/110S)			200 (2.0, 29)	200 (2.0, 29)

*1 When 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

	KUN	LAN
 *1	 *2	
 **20°C** *(68°F)*	**1.25 to 1.29**	

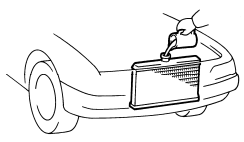
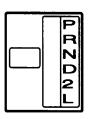
	1KD-FTV	2KD-FTV	5L-E
cm³ or CC *(cu. in.)*	**2982** *(182.0)*	**2494** *(152.2)*	**2986** *(182.2)*
			-
		-	-
		-	-
mm *(in.)* **N** *(kgf)*		-	-
 **20°C** *(68°F)* Ω		**0.95**	**0.95**	**0.72**
 **secs.**		**3.0** **0°C** *(32°F)*	**3.5** **0°C** *(32°F)*	**4.5** **8°C** *(46°F)*
 **mm** *(in.)*		**0.20 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**
	 P R N D 2 L	**700 to 800**	-
		**4450 to 4750**	**4850 to 4950**

		1KD-FTV	2KD-FTV	5L-E
 **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)*	⬆ **245** *(2.5, 36)*	⬆ **294 to 539** *(3.0 to 5.5, 43 to 78)*

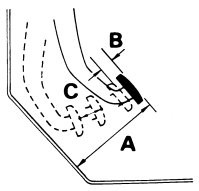
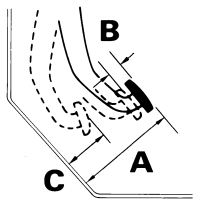
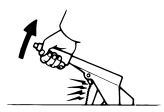
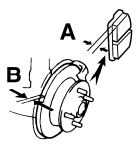
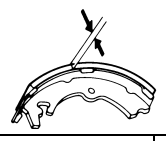
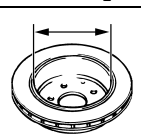
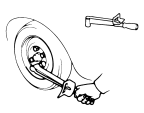
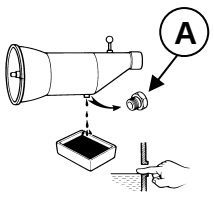
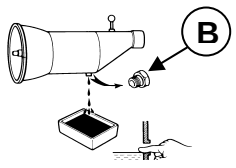
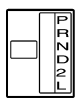
		1KD-FTV	2KD-FTV	5L-E
 **liter** *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*	**6.6** *(7.0, 5.8)*	**6.7** *(7.1, 5.9)*
		**6.9** *(7.3, 6.1)*	**6.9** *(7.3, 6.1)*	**7.2** *(7.6, 6.3)*

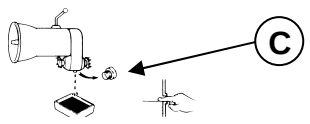
G-DLD1, API CF-4 or CF

(You may also use API CE or CD.)

N·m *(kgf·cm, ft·lbf)*	Ⓐ	**34** *(347, 25)*	**34** *(347, 25)*	**35** *(357, 26)*
 **liter** *(US qts, Imp. qts)*	1 3 5 / 2 4 R	**9.8** *(10.4, 8.6)*	**9.0** *(9.5, 7.9)*	**9.4** *(9.9, 8.3)*
	 P R N D 2 L	**11.1** *(11.7, 9.8)*	-	-

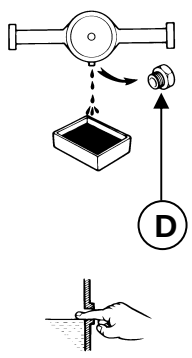
*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Calibrate Compass

			
	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	**M/T 152.9 to 162.9** *(6.020 to 6.413)* **A/T 154.1 to 164.1** *(6.067 to 6.461)*	**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** *(0.0394 to 0.236)*	
	C*1	**2WD** **78** *(3.071)* **4WD** **85** *(3.347)*	**2WD** **82** *(3.228)* **4WD and Pre-runner** **89** *(3.504)*
 **mm** *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9**	
	A	**1.0** *(0.039)*	
	B 2WD	**26** *(1.02)*	**26** *(1.02)*
	B 4WD and Pre-Runner	**23** *(0.91)*	**23** *(0.91)*
 **mm** *(in.)*		**1.0** *(0.039)*	
	2WD	**256** *(10.079)*	**256** *(10.079)*
	4WD and Pre-Runner	**297** *(11.693)*	**297** *(11.693)*
		4 X 2	**4 X 4**
 **N·m** *(kgf·m, ft·lbf)*		*2 **152** *(15.5, 112)* *3 **121** *(12.3, 89)*	**105** *(10.7, 77)*
		1KD-FTV	**2KD-FTV**	**5L-E**
	1 3 5 / 2 4 R	2WD **2.6** *(2.7, 2.3)* 4WD and Pre-Runner **2.2** *(2.3, 1.9)*	2WD **2.2** *(2.3, 1.9)* 4WD and Pre-Runner **2.2** *(2.3, 1.9)*	2WD **2.2** *(2.3, 1.9)* 4WD and Pre-Runner **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)*		
 **liter** *(US qts, Imp. qts)*		**Up to 2.0** *(2.1, 1.8)*	-	
		Toyota Genuine ATF T-IV	-	
N·m *(kgf·cm, ft·lbf)*	B	**20** *(204, 15)*		



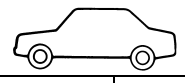
liter *(US qts, Imp. qts)*
N·m *(kgf·cm, ft·lbf)* C

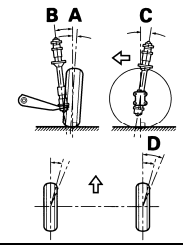
	1.0 *(1.1, 0.9)*
	Hypoid gear oil API GL-4 or GL-5 SAE 75W-90
C	**37** *(377, 27)*



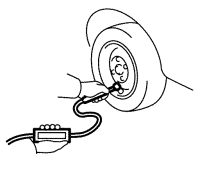
Item	Capacity	Viscosity
Front diff. w/ A.D.D.	**1.60 to 1.70** *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
Front diff. w/o A.D.D.	**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TMT (2WD and w/ LSD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TMT (4WD and w/o LSD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (2WD and Made for DANA)	**2.30 to 2.40** *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	**2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 2WD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 4WD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))
Rear diff. made for TSAM (w/ diff. lock)	**2.85 to 2.95** *(3.01 to 3.12, 2.51 to 2.60)*	SAE 90 (↑ -18°C (0°F)) SAE 80W or 80W-90 (↓ -18°C (0°F))

Item	Oil grade
Front diff.	Hypoid gear oil API GL-5 or equivalent
Rear diff. (2WD and w/o LSD)	
Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent

liter *(US qts, Imp. qts)*			
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	

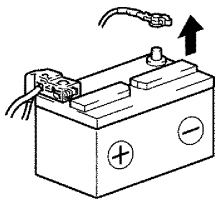
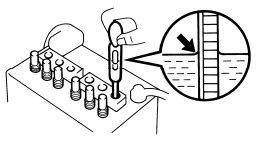
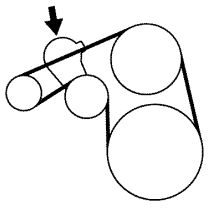
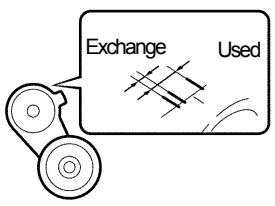
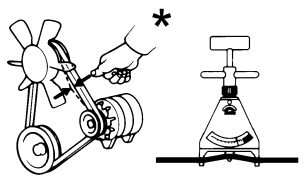
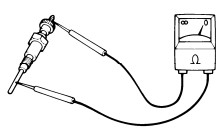
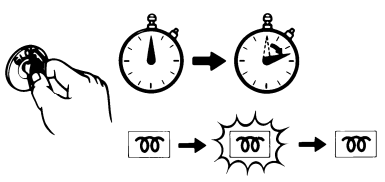
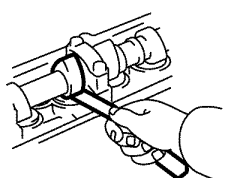
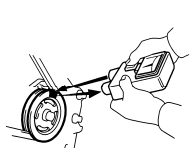
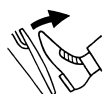
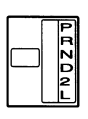
 **kPa** *(kgf/cm², psi)*	195R14C *(8PR 106/104S)*	2WD	Single cab	240 *(2.4, 35)*	300 *(3.0, 44)*
			Extra cab and double cab	260 *(2.6, 38)*	260 *(2.6, 38)*
	205/70R15C *(8PR 106/104S)*	2WD	Single cab	240 *(2.4, 35)*	330 *(3.3, 48)*
			Extra cab and double cab	260 *(2.6, 38)*	290 *(2.9, 42)*
	205R16C *(8PR 110/108S)*	4WD and Pre-Runner		240 *(2.4, 35)*	240 *(2.4, 35)*
	255/70R15C *(112/110S)*			200 *(2.0, 29)*	200 *(2.0, 29)*

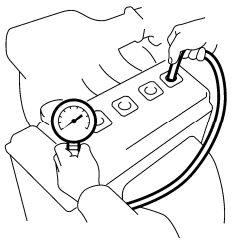
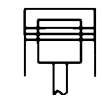
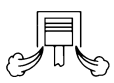
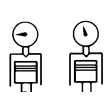
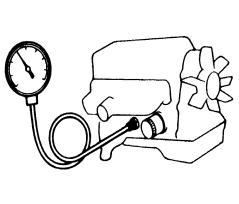
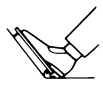
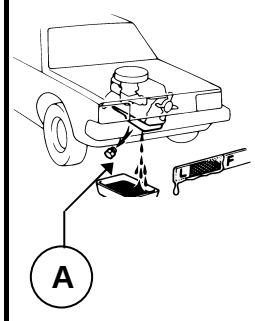
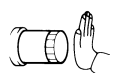
*1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2 Steel wheels *3 Aluminum wheels

HILUX Diesel

LAN 15, 25, 35
KUN 10, 15, 16, 25, 26, 35, 36

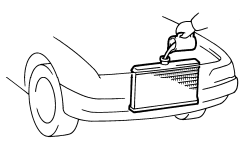
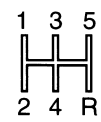
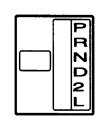
2006/08 – 2008/08

		KUN	LAN
 *1		 *2	
 **20°C** *(68°F)*		**1.25 to 1.29**	
		1KD-FTV	**2KD-FTV**	**5L-E**
cm³ or CC *(cu. in.)*		**2982** *(182.0)*	**2494** *(152.2)*	**2986** *(182.2)*
			-
 **mm** *(in.)* **N** *(kgf)*		-	-	**9.0 to 13** *(0.35 to 0.51)* ***245 to 343** *(25 to 35)*
		-	-	**15 to 20** *(0.59 to 0.79)* ***196 to 392** *(20 to 40)*
		-	-	**10 to 14** *(0.39 to 0.55)* ***196 to 343** *(20 to 35)*
 **20°C** *(68°F)* Ω		**0.95**	**0.95**	**0.72**
 **secs.**		**3.0** **0°C** *(32°F)*	**3.5** **0°C** *(32°F)*	**4.5** **8°C** *(46°F)*
 **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**
		**700 to 800**	-
		**4450 to 4750**	**4850 to 4950**

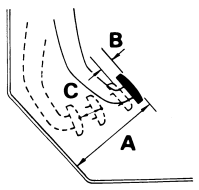
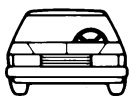
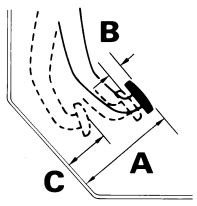
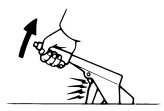
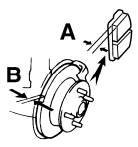
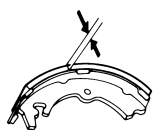
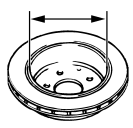
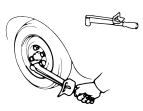
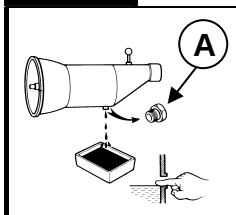
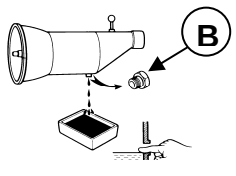
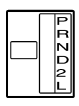
 **kPa** *(kgf/cm², psi)*		**2700** *(27.5, 391)*	**3138** *(32.0, 455)*
		⬆ **2200** *(22.5, 320)*	⬆ **1961** *(20.0, 284)*
		⬇ **500** *(5.0, 71)*	⬇ **490** *(5.0, 71)*
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.2)*	
	3,000 rpm 	⬆ **245** *(2.5, 36)*	⬆ **294 to 539** *(3.0 to 5.5, 43 to 78)*
		1KD-FTV	**2KD-FTV**	**5L-E**
 **liter** *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*	**6.6** *(7.0, 5.8)*	**6.7** *(7.1, 5.9)*
		**6.9** *(7.3, 6.1)*	**6.9** *(7.3, 6.1)*	**7.2** *(7.6, 6.3)*

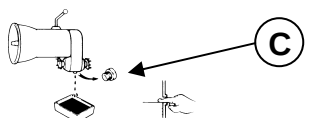
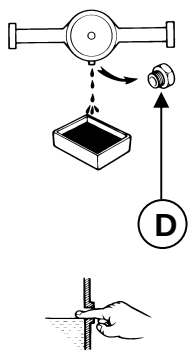
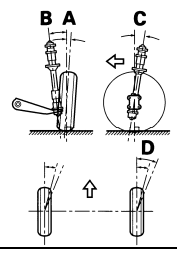
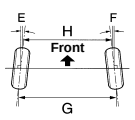
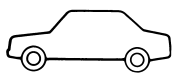
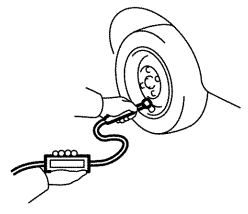
G-DLD1, API CF-4 or CF

(You may also use API CE or CD.)

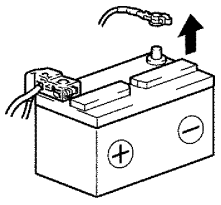
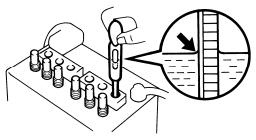
N·m *(kgf·cm, ft·lbf)*	A	**34** *(347, 25)*	**34** *(347, 25)*	**35** *(357, 26)*
 **liter** *(US qts, Imp. qts)*		**9.8** *(10.4, 8.6)*	**w/o EGR Cooler: 9.0** *(9.5, 7.9)* **w/ EGR Cooler: 9.8** *(10.4, 8.6)*	**9.4** *(9.9, 8.3)*
		**11.1** *(11.7, 9.8)*	-	-

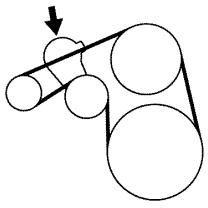
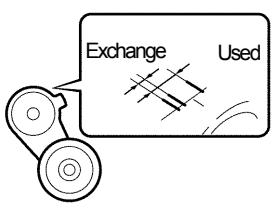
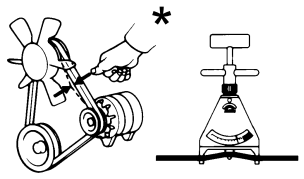
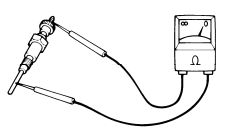
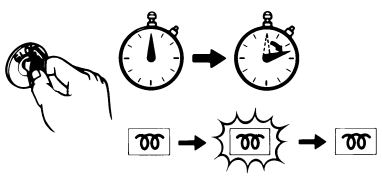
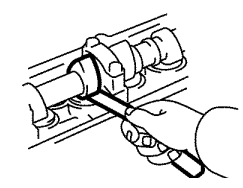
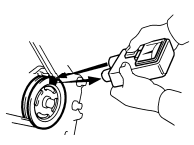
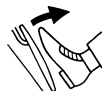
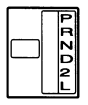
*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Calibrate Compass

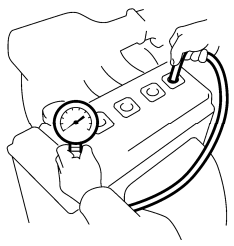
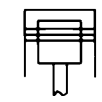
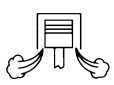
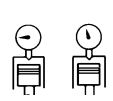
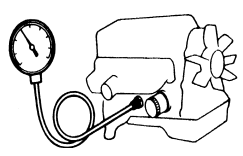
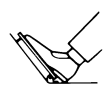
			
	A	**179.9 to 189.9** *(7.083 to 7.476)*	
	B	**5 to 15** *(0.20 to 0.60)*	
	C	⬆ **25** *(0.98)*	
 **mm** *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
			
	A	**M/T 152.9 to 162.9** *(6.020 to 6.413)* **A/T 154.1 to 164.1** *(6.067 to 6.461)*	**M/T 156.9 to 166.9** *(6.177 to 6.571)* **A/T 158.1 to 168.1** *(6.224 to 6.618)*
	B	**1 to 6** *(0.0394 to 0.236)*	
	C*1	**2WD** ⬆ **78** *(3.071)* **4WD** ⬆ **85** *(3.347)*	**2WD** ⬆ **82** *(3.228)* **4WD and Pre-runner** ⬆ **89** *(3.504)*
 **mm** *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**7 to 9**	
	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.02)*	⬆ **26** *(1.02)*
 **mm** *(in.)*		⬆ **1.0** *(0.039)*	
	2WD	⬇ **256** *(10.079)*	⬇ **256** *(10.079)*
	4WD and Pre-Runner	⬇ **297** *(11.693)*	⬇ **297** *(11.693)*
		4 X 2	**4 X 4**
 **N·m** *(kgf·m, ft·lbf)*		*2 **152** *(15.5, 112)* *3 **121** *(12.3, 89)*	**105** *(10.7, 77)*
		1KD-FTV	**2KD-FTV**	**5L-E**
	1 3 5 / 2 4 R	**2WD** **2.6** *(2.7, 2.3)* **4WD and Pre-Runner** **2.2** *(2.3, 1.9)*	**2WD** **2.2** *(2.3, 1.9)* **4WD and Pre-Runner** **2.2** *(2.3, 1.9)*	**2WD** **2.2** *(2.3, 1.9)* **4WD and Pre-Runner** **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)*		
		**4-speed models: Up to 2.0** *(2.1, 1.8)* **5-speed models: Up to 3.0** *(3.2, 2.6)*	**Up to 2.0** *(2.1, 1.8)*	–
		4-speed models: Toyota Genuine ATF Type T-IV 5-speed models: Toyota Genuine ATF WS	**Toyota Genuine ATF Type T-IV**	–
liter *(US qts, Imp. qts)*				
N·m *(kgf·cm, ft·lbf)*	Ⓑ	**20** *(204, 15)*		

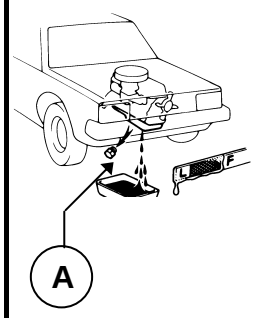
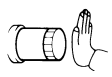
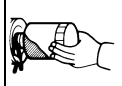
 **liter** *(US qts, Imp. qts)*	Ⓒ	**1.0** *(1.1, 0.9)*	
N·m *(kgf·cm, ft·lbf)*	Ⓒ	**Hypoid gear oil API GL-4 or GL-5 SAE 75W-90**	
		37 *(377, 27)*	
		Item	Capacity	Viscosity
		Front diff. w/ A.D.D.	**1.60 to 1.70** *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
		Front diff. w/o A.D.D.	**1.40 to 1.50** *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TMT (2WD and w/ LSD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TMT (4WD and w/o LSD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TSAM (2WD and Made for DANA)	**2.30 to 2.40** *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	**2.40 to 2.50** *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TSAM (w/ LSD for 2WD)	**3.15 to 3.25** *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TSAM (w/ LSD for 4WD)	**3.30 to 3.40** *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Rear diff. made for TSAM (w/ diff. lock)	**2.85 to 2.95** *(3.01 to 3.12, 2.51 to 2.60)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 80W-90 (⬇ -18°C (0°F))
		Item	Oil grade	
		Front diff.	Hypoid gear oil API GL-4 or GL-5 or equivalent	
		Rear diff. (2WD and w/o LSD)	Hypoid gear oil API GL-5 or equivalent	
		Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent	
liter *(US qts, Imp. qts)*				
N·m *(kgf·cm, ft·lbf)*	Ⓓ	**39** *(400, 29)*	**49** *(500, 36)*	
		KUN, LAN		
mm *(in.)*		⬇ **30** *(1.2)*		
				
	A	**Please refer to the Repair Manual Pub. No. RM00L3E (Service Specifications)**	–	
	B			
	C			
	D			
	E+F			
	G-H			
				
 **kPa** *(kgf/cm^2, psi)*		**Please refer to the Repair Manual Pub. No. RM00L3E (Service Specifications)**		

*1 When 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

		KUN	LAN
 *1	 *2		
 **20°C** *(68°F)*		**1.25 to 1.29**	

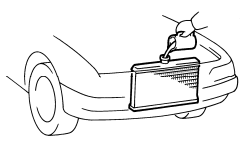
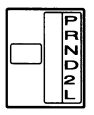
		1KD-FTV	2KD-FTV	5L-E
cm³ or CC *(cu. in.)*		**2982** *(182.0)*	**2494** *(152.2)*	**2986** *(182.2)*
				-
 **mm** *(in.)* **N** *(kgf)*		-	-	**9.0 to 13** *(0.35 to 0.51)* ***245 to 343** *(25 to 35)*
		-	-	**15 to 20** *(0.59 to 0.79)* ***196 to 392** *(20 to 40)*
		-	-	**10 to 14** *(0.39 to 0.55)* ***196 to 343** *(20 to 35)*
 **Ω**	**20°C** *(68°F)*	**0.95**	**0.95**	**0.72**
 **secs.**		**3.0** **0°C** *(32°F)*	**3.5** **0°C** *(32°F)*	**4.5** **8°C** *(46°F)*
 **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**	
	 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)*

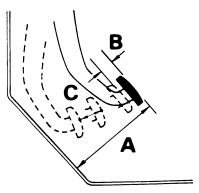
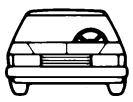
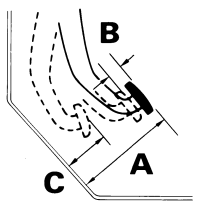
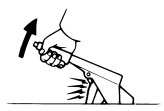
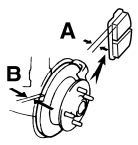
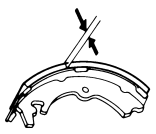
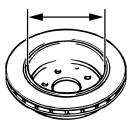
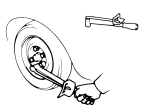
		1KD-FTV	2KD-FTV	5L-E
 **liter** *(US qts, Imp. qts)*		**6.6** *(7.0, 5.8)*	**6.6** *(7.0, 5.8)*	**6.7** *(7.1, 5.9)*
		**6.9** *(7.3, 6.1)*	**6.9** *(7.3, 6.1)*	**7.2** *(7.6, 6.3)*

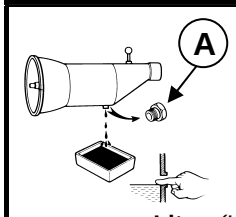
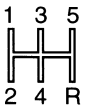
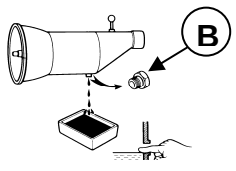
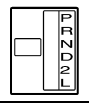
G-DLD1, API CF-4 or CF

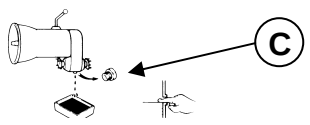
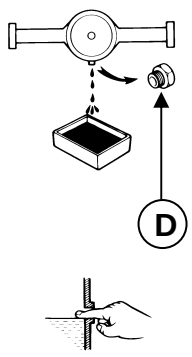
(You may also use API CE or CD.)

N·m *(kgf·cm, ft·lbf)*	Ⓐ	**34** *(347, 25)*	**34** *(347, 25)*	**35** *(357, 26)*
 **liter** *(US qts, Imp. qts)*	1 3 5 / 2 4 R	**9.8** *(10.4, 8.6)*	**w/o EGR Cooler: 9.0** *(9.5, 7.9)* **w/ EGR Cooler: 9.8** *(10.4, 8.6)*	**9.4** *(9.9, 8.3)*
	 P R N D 2 L	**11.1** *(11.7, 9.8)*	-	-

*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Calibrate Compass

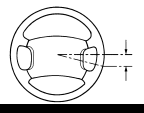
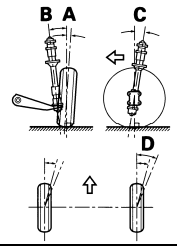
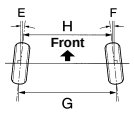
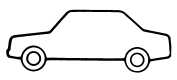
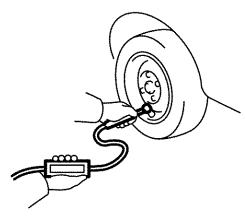
			
 mm *(in.)*	A	**179.9 to 189.9** *(7.08 to 7.47)*	**179.6 to 189.6** *(7.07 to 7.46)*
	B	**5 to 15** *(0.197 to 0.591)*	
	C	⬆ **25** *(0.984)*	
		**SAE J1703 or FMVSS No. 116 DOT3**	
			
 mm *(in.)*	A	**M/T 152.9 to 162.9** *(6.020 to 6.413)* **A/T 154.1 to 164.1** *(6.067 to 6.461)*	**M/T 156.9 to 166.9** *(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	⬆ **78** *(3.071)*4* ⬆ **85** *(3.347)*5*	⬆ **82** *(3.228)*4* ⬆ **89** *(3.504)*6*
 mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**6 to 8 Clicks*4 7 to 9 Clicks*6**	
	A	⬆ **1.0** *(0.039)*	
	B	⬆ **26** *(1.02)* ⬆ **23** *(0.906)*7*	⬆ **26** *(1.02)* ⬆ **23** *(0.906)*7*
 mm *(in.)*		⬆ **1.0** *(0.039)*	
 mm *(in.)*		⬇ **256** *(10.079)* ⬇ **297** *(11.693)*	⬇ **256** *(10.079)* ⬇ **297** *(11.693)*
		2WD	**4WD**
 **N*m** *(kgf*cm, ft.*lbf)*		**152** *(15.5, 112)*2* **121** *(12.3, 89)*3*	**105** *(10.7, 77)*

		1KD-FTV	**2KD-FTV**	**5L-E**
 **Liter** *(US qts, Imp. qts)*		**2.6** (2.7, 2.3)*4 **2.2** *(2.3, 1.9)*5*	**2.6** (2.7, 2.3)*4 **2.2** *(2.3, 1.9)*5*	**2.2** (2.3, 1.9)*4 **2.6** *(2.7, 2.3)*5*
		API GL-4 or GL-5 SAE 75W-90		
N*m *(kgf*cm, ft.*lbf)*	A	**37** *(377, 27)*		
 **Liter** *(US qts, Imp. qts)*		**A340E/F:*8 A750F:*9**	**2.0** *(2.1, 1.8)*	-
		A340E/F:*8 A750F:*9	**Toyota Genuine ATF Type T-IV**	-
N*m *(kgf*cm, ft.*lbf)*	B	**20** *(204, 15)*		-

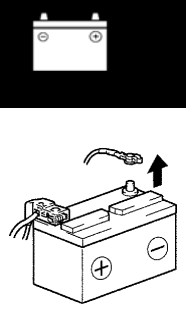
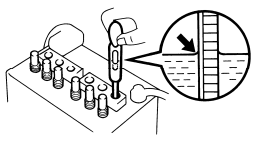
 **Liter** *(US qts, Imp. qts)*	C	**1.0** *(1.1, 0.9)*
		Hypoid gear oil API GL-4 or GL-5 SAE 75W-90
N*m *(kgf*cm, ft.*lbf)*	C	**37** *(377, 27)*
 **Liter** *(US qts, Imp. qts)*	D	**39** *(400, 29)*10* / **49** *(500, 36)*11*

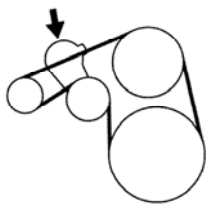
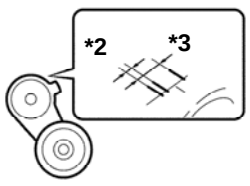
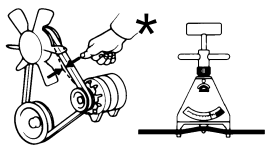
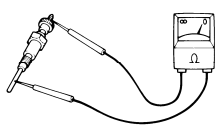
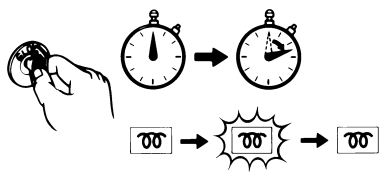
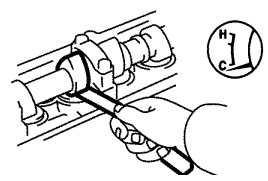
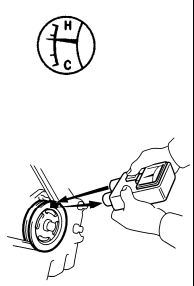
Item	Capacity	Viscosity
Front diff. w/ A.D.D.	1.60 to 1.70 *(1.69 to 1.80, 1.40 to 1.50)*	SAE 75W-90
Front diff. w/o A.D.D.	1.40 to 1.50 *(1.48 to 1.59, 1.23 to 1.31)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TMT (2WD and w/ LSD)	3.15 to 3.25 *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TMT (4WD and w/o LSD)	3.30 to 3.40 *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (2WD and Made for DANA)	2.30 to 2.40 *(2.43 to 2.54, 2.02 to 2.11)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (4WD, Pre-Runner and Made for DANA)	2.40 to 2.50 *(2.54 to 2.64, 2.11 to 2.20)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 2WD)	3.15 to 3.25 *(3.30 to 3.43, 2.77 to 2.86)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ LSD for 4WD)	3.30 to 3.40 *(3.49 to 3.59, 2.90 to 2.99)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))
Rear diff. made for TSAM (w/ diff. lock)	2.85 to 2.95 *(3.01 to 3.12, 2.51 to 2.60)*	SAE 90 (⬆ -18°C (0°F)) SAE 80W or 85W-90 (⬇ -18°C (0°F))

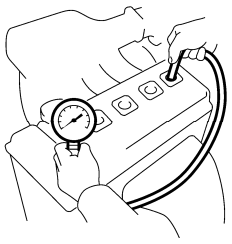
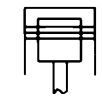
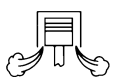
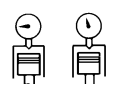
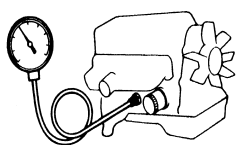
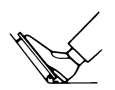
Item	Oil grade
Front diff.	Hypoid gear oil API GL-4 or GL-5 or equivalent
Rear diff. (2WD and w/o LSD)	Hypoid gear oil API GL-5 or equivalent
Rear diff. (w/ LSD)	Hypoid gear oil LSD API GL-5 or equivalent

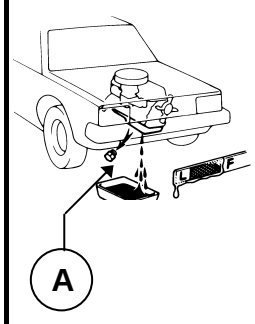
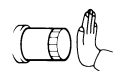
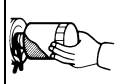
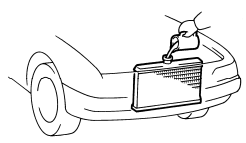
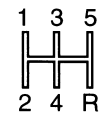
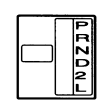
		KUN, LAN	
 mm *(in.)*		⬇ **30** *(1.2)*	
			
	A B C D	**Refer to Repair Manual Pub. No. RM00L5E (Service Specifications / Suspension)**	-
	E+F G-H		
			
 **kPa** *(kgf/cm^2, psi)*		**Refer to Repair Manual Pub. No. RM00L5E (Service Specifications / Tire and Wheel)**	

*1: When 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
*4: for 2WD *5: for 4WD *6: for 4WD and Pre-runner *7: for TMT and TSAM Made 4WD, and TSAM Made Pre-runner
*8: Refer to Repair Manual Pub. No. RM00L5E (Preparation / Automatic Transmission A340E/F)
*9: Refer to Repair Manual Pub. No. RM00L5E (A750F Automatic Transmission / Automatic Transmission Fluid)
*10: for Front Differential *11: for Rear Differential

		KUN	LAN
	*1	**Power Window Control System**	
		Meter / Gauge 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)*	-	-	**7.0 to 10** *(0.28 to 0.39)* ***441 to 539** *(45 to 55)*
		-	-	**11 to 15** *(0.43 to 0.59)* ***372 to 608** *(38 to 62)*
		-	-	**7.5 to 9.5** *(0.30 to 0.37)* ***441 to 539** *(45 to 55)*
	**20°C** *(68°F)* **ohm**	**0.95**	**0.95**	**0.72**
	**secs.**	**3.0** **0°C** *(32°F)*	**3.5** **0°C** *(32°F)*	**4.5** **8°C** *(46°F)*
	**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)
		**700 to 800**		**720 to 820**
		700 to 800		-
	rpm	**4450 to 4750**		**4850 to 4950**

			1KD-FTV	2KD-FTV	5L-E
			**2700** *(27.5, 391)*		**3138** *(32.0, 455)*
			⬆ **2200** *(22.5, 320)*		⬆ **1961** *(20.0, 284)*
	**kPa** *(kgf/cm²*, *psi)*		⬇ **500** *(5.0, 71)*		⬇ **490** *(5.0, 71)*
			⬆ **29** *(0.3, 4.2)*		
		3000 rpm 	⬆ **245** *(2.5, 36)*		**294 to 539** *(3.0 to 5.5, 43 to 78)*
	kPa *(kgf/cm²*, *psi)*				

		1KD-FTV	2KD-FTV	5L-E
		**6.6** *(7.0, 5.8)*	**6.6** *(7.0, 5.8)*	**6.7** *(7.1, 5.9)*
		**6.9** *(7.3, 6.1)*	**6.9** *(7.3, 6.1)*	**7.2** *(7.6, 6.3)*
		G-DLD1, API CF-4 or CF **(You may also use API CE or CD)**		**API grade CF-4 or CF (You may also use API CE or CD)**
Liter *(US qts, Imp. qts)*				
N*m *(kgf*cm, ft.*lbf)*	A	**34** *(347, 25)*	**34** *(347, 25)*	**35** *(357, 26)*
		**9.8** *(10.4, 8.6)*	**w/o EGR Cooler: 9.0** *(9.5, 7.9)* **w/ EGR Cooler: 9.8** *(10.4, 8.6)*	**9.4** *(9.9, 8.3)*
		**11.1** *(11.7, 9.8)*	-	-
Liter *(US qts, Imp. qts)*				

*1: Initialization required. Refer to the repair manual for the initialization procedures. *2: Exchange *3: Used