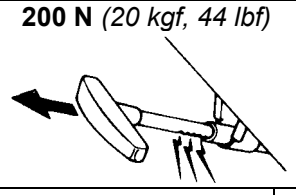
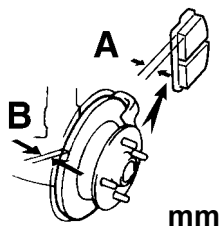
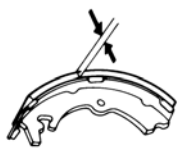
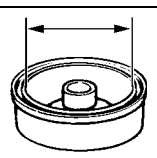
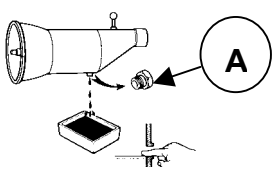
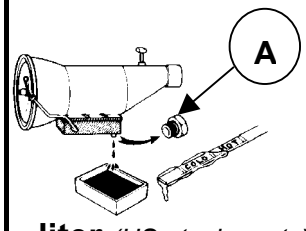
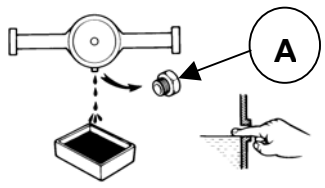
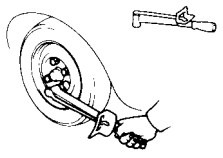
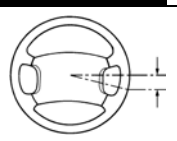
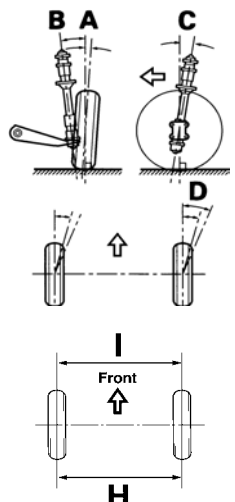
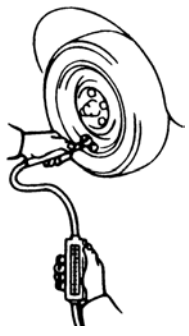
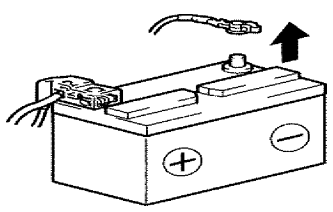
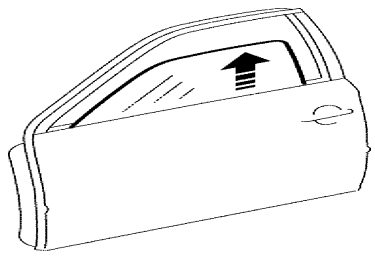
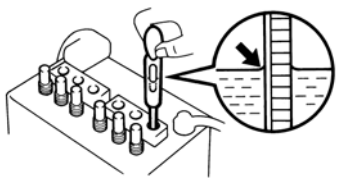
 mm *(in.)*	A	**151.0 to 161.0** *(5.945 to 6.339)*	**154.0 to 164.0** *(6.063 to 6.457)*
	B	**1 to 6** *(0.04 to 0.24)*	
	C*1	**121** *(4.76)*	
		**SAE J1703 or FMVSS No. 116 DOT3**	
200 N *(20 kgf, 44 lbf)* 		**10 to 16**	
 mm *(in.)*	A	**1.0** *(0.039)*	
	B	**26.0** *(1.024)*	
 mm *(in.)*		**1.0** *(0.039)*	
 mm *(in.)*		**254.0** *(10.000)*	
		TRH	
 **liter** *(US qts, Imp.qts)*	1 3 5 / 2 4 R	**2.6** *(2.7, 2.3)*	
		API GL-4 or GL-5 SAE 75W-90	
N·m *(kgf-cm, ft-lbf)*	A	**37.0** *(380, 27)*	
 **liter** *(US qts, Imp.qts)*	P R N D 2 L	**8.3** *(8.8, 9.4)*	
		Toyota Genuine ATF DII or DEXRON®III (DEXRON®II)	
N·m *(kgf-cm, ft-lbf)*	A	**20.0** *(205, 14)*	

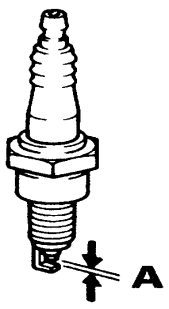
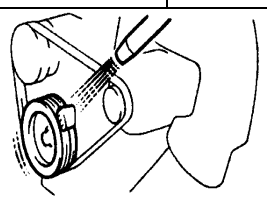
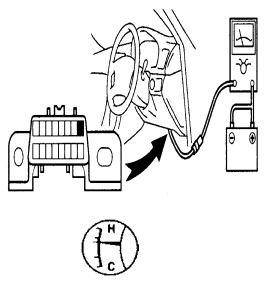
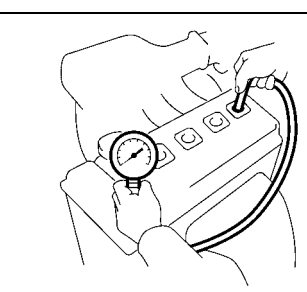
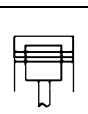
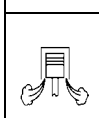
 **liter** *(US qts, Imp.qts)* **N·m** *(kgf-cm, ft-lbf)*	A	**49** *(500, 36)*	**Hypoid gear oil API GL-5 SAE80W-90** **SAE90** (-18° C (0° F)) **SAE80W or 80W-90** (-18° C (0° F))
		TRH	
 **N·m** *(kgf-cm, ft-lbf)*		**100** *(1020, 74)*	
		TRH	
 mm *(in.)*		**30** *(1.18)*	
		TRH	
	A B C D G-H mm *(in.)*	**Please refer to the Repair Manual Pub. No. RM1171E (Service Specification)**	
	Front Rear	**Please refer to the Repair Manual Pub. No. RM1171E (Service Specification)**	

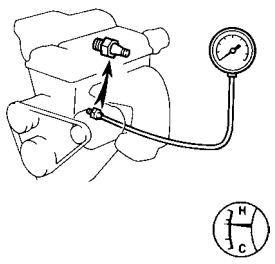
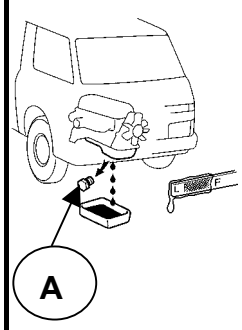
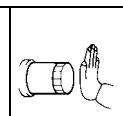
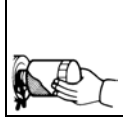
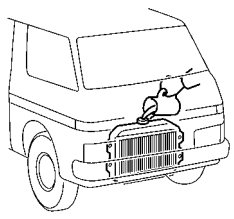
Hiace

TRH 201, 203, 213, 221, 223

TOYOTA QUALITY SERVICE

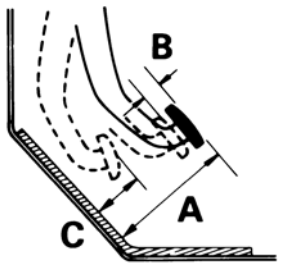
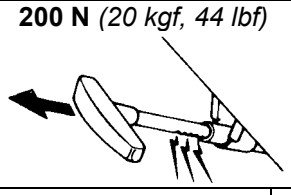
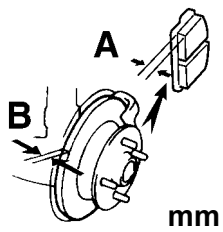
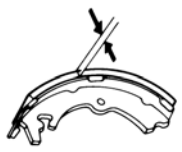
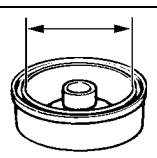
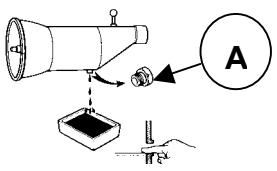
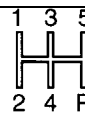
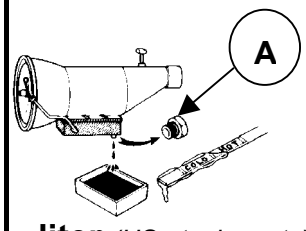
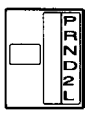
	TRH
*1 	*2 
 20° C (68° F)	1.25 to 1.29

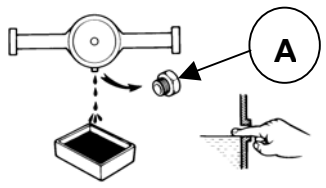
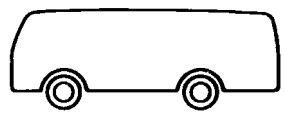
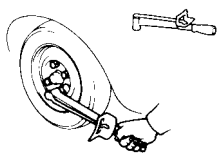
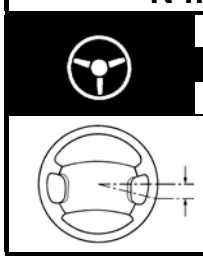
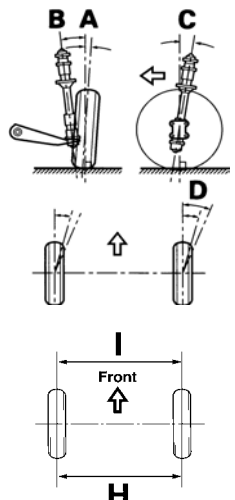
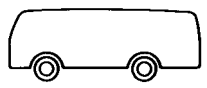
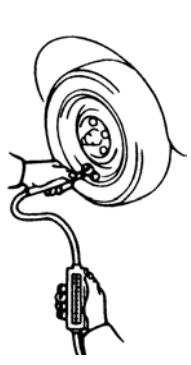
		2TR-FE
	cm³ or cu.in.	**2694** *(164.4)*
	**DENSO**	**K20HR-U11**
	A mm *(in.)*	**1.1** *(0.043)*
 **BTDC**		**3 to 7°** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **rpm**		**600 to 700**
 **kPa** *(kgf/cm², psi)*		**1230** *(12.5, 178)*
		**883** *(9.0, 128)*
		98 *(1.0, 14)*

		2TR-FE
		**29** *(0.3, 4.3)*
	3,000 rpm 	**160 to 490** *(1.6 to 5.0, 23 to 71)*
 **liter** *(US qts, Imp.qts)*		**5.5** *(5.3, 4.4)*
		**5.0** *(5.8, 4.8)*
		20W-50 and 5W-40: API grade SJ or SL multigrade engine oil. 10W-30 and 5E-30: API grade SJ "Energy-Conserving", SL "Energy-Conserving" or ILSAC*3 multigrade engine oil.
N·m *(kgf-cm, ft-lbf)*	A	**45** *(459, 33)*
 **liter** *(US qts, Imp.qts)*	With rear heater	**17.0** *(18.0, 15.0)*
	Without rear heater	**13.0** *(13.7, 11.4)*

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

*2 Power Window Control System. *3 ILASAC : International Lubricant Standardization and Approval Committee

		151.0 to 161.0 *(5.945 to 6.339)*	154.0 to 164.0 *(6.063 to 6.457)*
	**A**		
	B	**1 to 6** *(0.04 to 0.24)*	
	C*1	**121** *(4.76)*	
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
200 N *(20 kgf, 44 lbf)* 		**10 to 16**	
 **mm** *(in.)*	**A**	**1.0** *(0.039)*	
	B	**26.0** *(1.024)*	
 **mm** *(in.)*		**1.0** *(0.039)*	
 **mm** *(in.)*		**254.0** *(10.000)*	
		KDH, LH	
 **liter** *(US qts, Imp.qts)*		**2.2** *(2.3, 1.9)*1*	
		2.6 *(2.7, 2.3)* *2	
		API GL-4 or GL-5 SAE 75W-90	
N·m *(kgf-cm, ft-lbf)*	**A**	**37.0** *(380, 27)*	
 **liter** *(US qts, Imp.qts)*		**8.3** *(8.8, 9.4)*	
		Toyota Genuine ATF DII or DEXRON®III (DEXRON®II)	
N·m *(kgf-cm, ft-lbf)*	**A**	**20.0** *(205, 14)*	

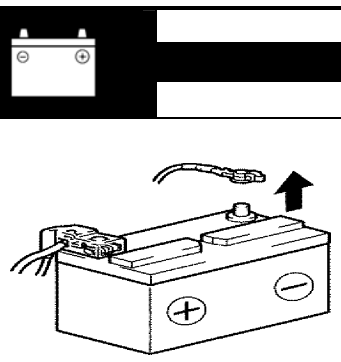
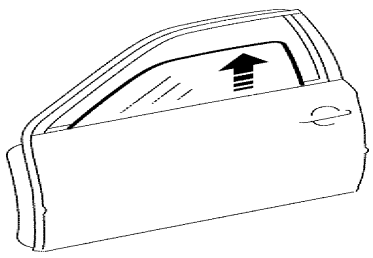
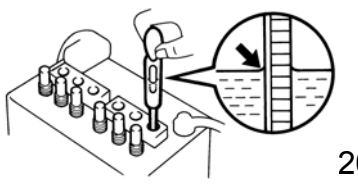
 **liter** *(US qts, Imp.qts)* **N·m** *(kgf-cm, ft-lbf)*		 **Hypoid gear oil API GL-5 SAE80W-90** **SAE90** (-18° C (0° F)) **SAE80W or 80W-90** (-18° C (0° F))
	A	**49** *(500, 36)*
		**KDH, LH**
 **N·m** *(kgf-cm, ft-lbf)*		**100** *(1020, 74)*
 **mm** *(in.)*		**KDH, LH**
		30 *(1.18)*
		KDH, LH
	A	**Please refer to the Repair Manual Pub. No. RM1171E (Service Specification)**
	B	
	C	
	D	
	G-H **mm** *(in.)*	
		
	Front	**Please refer to the Repair Manual Pub. No. RM1171E (Service Specification)**
	Rear	

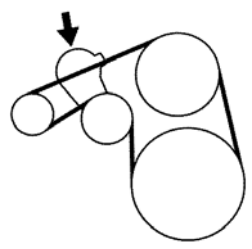
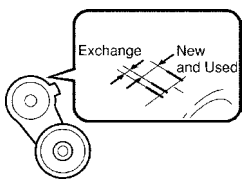
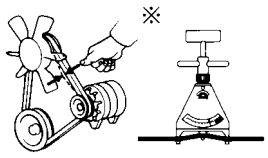
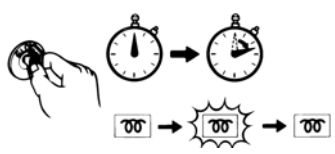
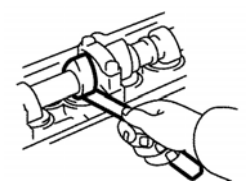
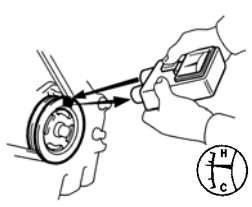
Hiace

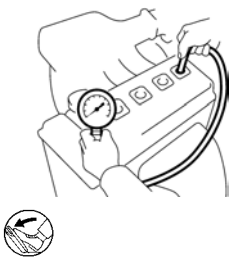
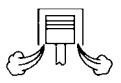
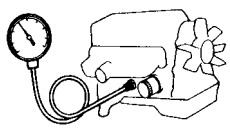
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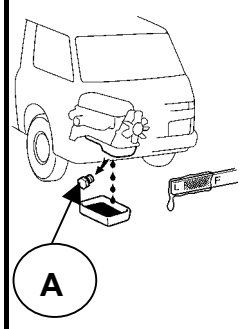
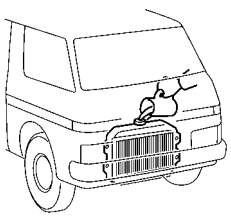
KDH 200, 202, 212, 220, 222
LH 200, 202, 212, 222

TOYOTA QUALITY SERVICE

	KDH, LH	
 *3	 *4	
 20° C (68° F)	1.25 to 1.29	

	2KD-FTV	5L-E
cm³ or cc *(cu. in.)*	**2494** *(152.2)*	**2986** *(182.2)*
		-
 ※ **mm** *(in.)* **N** *(kgf)*	-	**7.5 to 9.5** *(0.30 to 0.37)* ***441 to 539** *(45 to 55)*
	-	**11 to 15** (0.43 to 0.59) ***372 to 608** *(38 to 62)*
	-	**7.0 to 10** *(0.28 to 0.39)* ***441 to 539** *(45 to 55)*
 **20℃** *(68°F)* **Ω**	**0.72**	
 **20℃** *(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)*	**0.40 to 0.50** *(0.016 to 0.020)*
 **rpm**	**700 to 800**	**720 to 820**
	4500 to 4800	**4850 to 4950**

 **kPa** *(kgf/cm², psi)*		**2700** *(27.5, 391)*	**3138** *(32.0, 284)*
		⬆ **2200** *(22.5, 320)*	⬆ **1961** *(21.0, 284)*
		⬇ **500** *(5.0, 71)*	⬇ **490** *(5.0, 71)*
 **kPa** *(kgf/cm², psi)*		⬆ **29** *(0.3, 4.3)*	
	3,000 rpm 	⬆ **245** *(2.5, 33)*	⬆ **245 to 539** *(3.0 to 5.5, 43 to 78)*

	2KD-FTV	5L-E
 **liter** *(US qts, Imp.qts)*	**6.5** *(6.9, 6.1)*	**6.9** *(7.3, 6.1)*
	6.1 *(6.4, 5.8)*	**6.1** *(6.4, 5.8)*
	G-DLD or API grade CF-4, CF (API CE or CD may also be used)	API grade CF-4 or CF (You may also use API CE or CD) SAE SW-30 is the best choice for your vehicle, for good fuel economy, and good starting in cold weather.
N·m *(kgf-cm, ft-lbf)* A	**34** *(347, 25)*	**35** *(350, 25)*
 **liter** *(US qts, Imp.qts)* With rear heater	**15.0** *(15.8, 7.1)*	**17.2** *(16.2, 15.1)*
Without rear heater	**17.0** *(18.0, 15.0)*	**9.1** *(8.6, 8.0)*

*1 G55 type transmission. *2 R351 type transmission.*3 Initialization required. Refer to the repair manual for the initialization procedures.

*4 Power Window Control System.