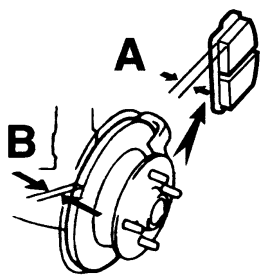
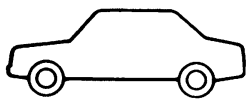
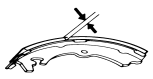
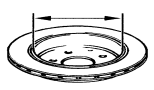
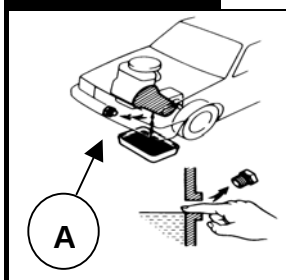
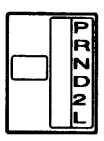
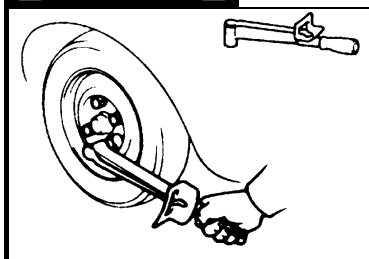
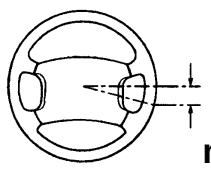
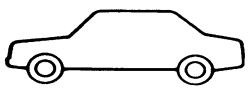
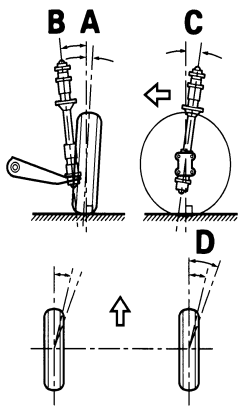
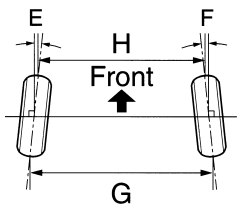
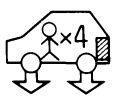
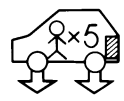
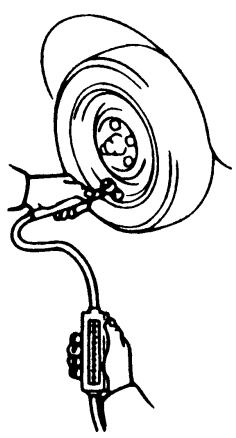
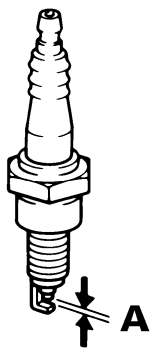
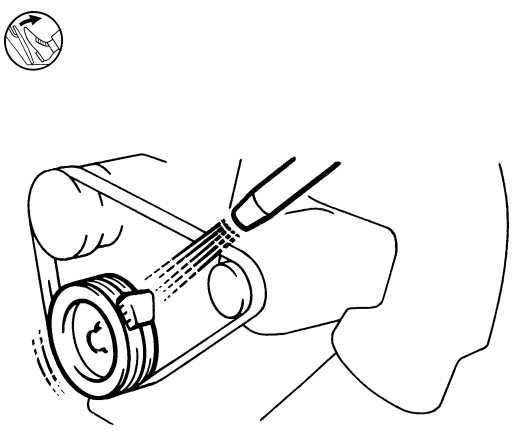
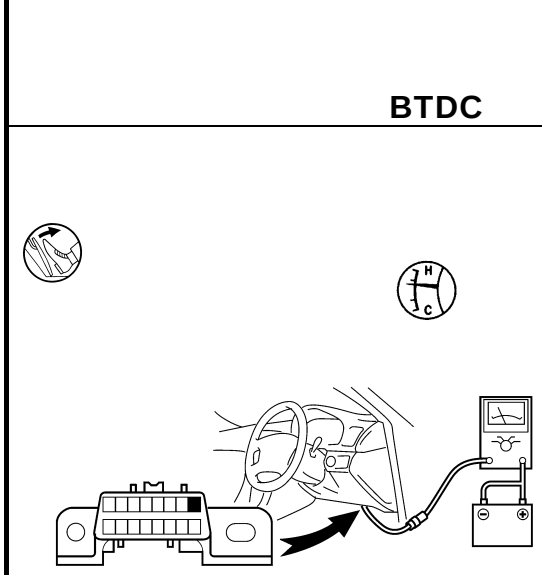
 **mm** *(in.)*	**A**	**138.5 to 148.5** *(5.46 to 5.84)*	**144.2 to 154.2** *(5.68 to 6.07)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	**C***1	⬆ **92.0** *(3.62)*	⬆ **95.0** *(3.74)*
		SAE J1703 or FMVSS No. 116 DOT3	
 **300 N** *(31 kgf, 67.5 lbf)*		**7 to 10**	
 **mm** *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **25.0** *(0.984)*	⬆ **8.5** *(0.335)*
 **mm** *(in.)*		⬆ **1.0** *(0.0394)*	
 **mm** *(in.)*		⬇ **171.0** *(6.73)*	
		AVV	
 **liters** *(US qts, Imp.qts)*		**3.7** *(3.9, 3.2)*	
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**39** *(400, 29)*	

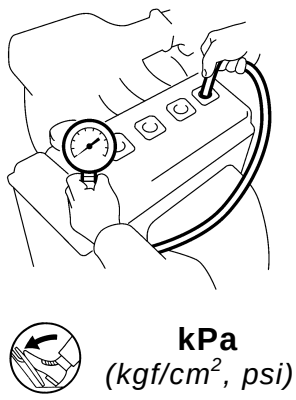
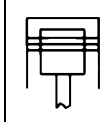
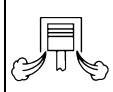
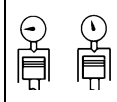
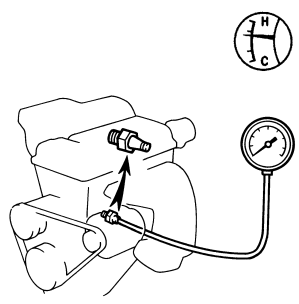
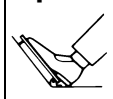
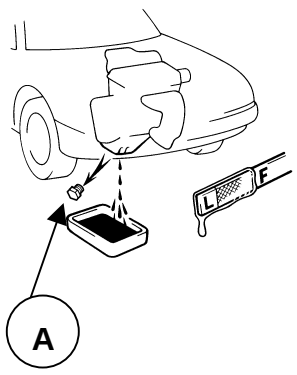
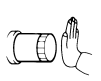
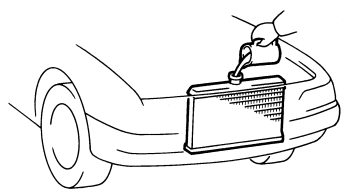
		AVV	
 **N·m** *(kgf-cm, ft-lbf)*		**103** *(1049, 76)*	
		AVV	
 **mm** *(in.)*		⬇ **30** *(1.18)*	
			
	**A**	**-0°35'+/-45'** *(-0.58°+/-0.75°)*	**-1°11'+/-45'** *(-1.18°+/-0.75°)*
	B	**12°00'** *(12.00°)*	**-**
	C	**2°55'+/-45'** *(2.92°+/-0.75°)*	**-**
	D	**38°56'+/-2°** *(38.93°+/-2°)*	**-**
	**E+F**	**0°00'+/-11'** *(0.00°+/-0.18°)*	**0°22'+/-11'** *(0.37°+/-0.18°)*
G-H **mm** *(in.)*	**G-H**	**0.0+/-2.0** *(0.0000+/-0.0787)*	**4.0+/-2.0** *(0.157+/-0.0787)*
			
 **kPa** *(kgf/cm²*, *psi)*	**215/60R16 95V**	**230** *(2.3, 33)*	**230** *(2.3, 33)*2* **240** *(2.4, 35)*3* **270** *(2.7, 39)*4*
	215/55R17 93V	**230** *(2.3, 33)*2*3* **240** *(2.4, 35)*4*	**230** *(2.3, 33)* **230** *(2.3, 33)*2* **260** *(2.6, 38)*3* **290** *(2.9, 42)*4*

*1: When the brake pedal is depressed with force of 500 N (51 kgf, 112 lbf) with the power switch on (READY).
*2: For driving under 160 km/h (99 mph) *3: For driving at 160 to 180 km/h (99 to 112 mph)
*4: For driving at 180 to 210 km/h (112 to 131 mph)

CAMRY HV

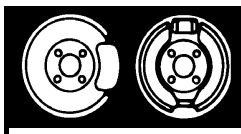
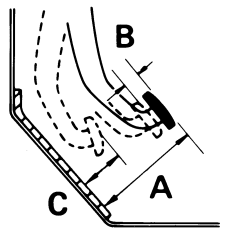
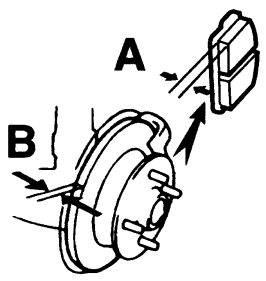
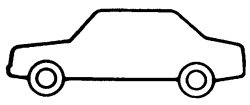
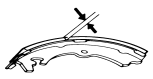
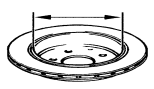
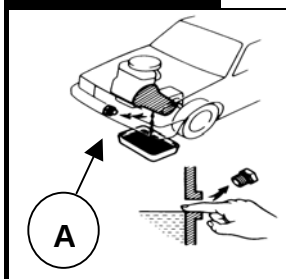
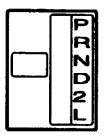
AVV50 2011/09 - 2012/09

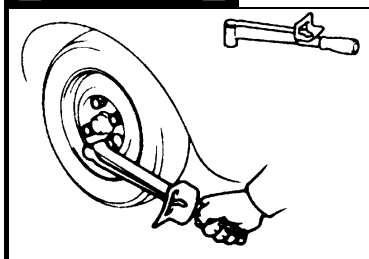
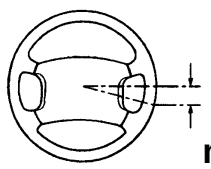
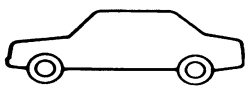
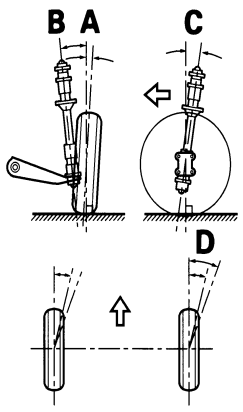
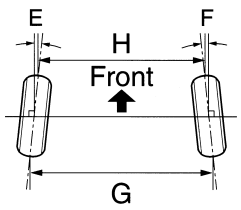
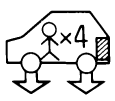
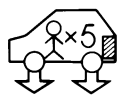
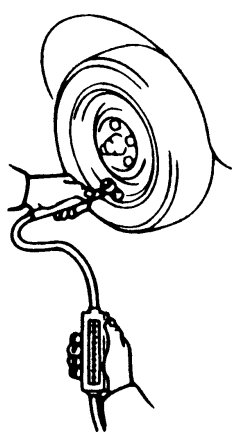
		2AR-FXE
	cm³ or cc *(cu.in.)*	**2494** *(152.2)*
	**DENSO**	**FK16HR-A8**
	A mm *(in.)*	**0.7 to 0.8** *(0.0276 to 0.0315)*
		**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)
BTDC		
		**900 to 1050*1** (DLC3 Terminal 9 (TAC) Connected)
rpm		

		**1100** *(11.2, 160)*
		**750** *(7.6, 109)*
kPa *(kgf/cm², psi)*		**100** *(1.0, 15)*
 kPa *(kgf/cm², psi)*		**145** *(1.5, 21)*1*
	2500 rpm 	**340** *(3.5, 49)*1*
		2AR-FXE
 liters *(US qts, Imp. qts)*		**4.0** *(4.2, 3.5)*
		**4.4** *(4.6, 3.9)*
		20W-50 15W-40 — **API grade SL, SM or SN multigrade engine oil**
		10W-30 5W-30 5W-20 0W-20 — **API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or ILSAC* multigrade engine oil**
N·m *(kgf-cm, ft-lbf)*	**A**	**40** *(408, 30)*
 liters *(US qts, Imp. qts)*		**7.2** *(7.6, 6.3)*2* **3.2** *(3.4, 2.8)*3*

*ILSAC: International Lubricant Standardization and Approval Committee

*1: Shift lever in P in inspection mode. *2: for Engine *3: for Inverter

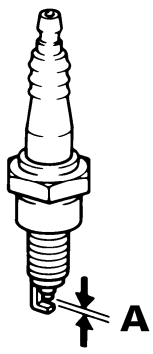
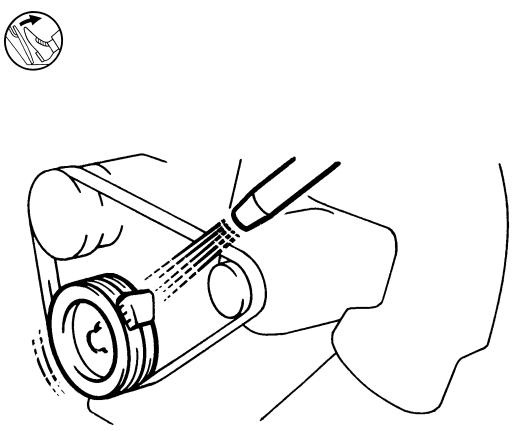
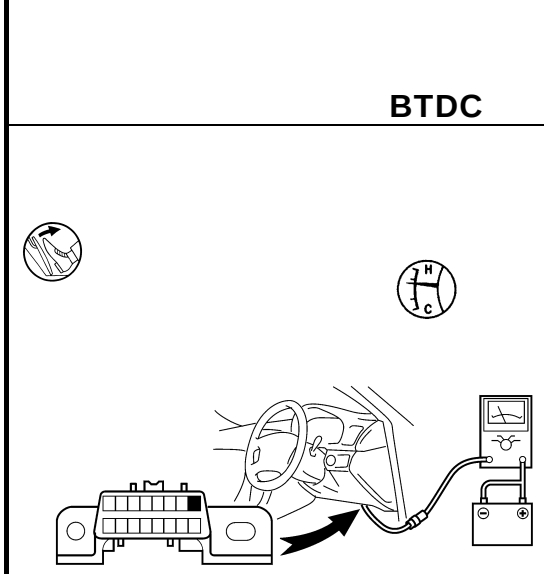
			
 **mm** *(in.)* 	**A**	**138.5 to 148.5** *(5.46 to 5.84)*	**144.2 to 154.2** *(5.68 to 6.07)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C*1	⬆ **92.0** *(3.62)*	⬆ **95.0** *(3.74)*
		SAE J1703 or FMVSS No. 116 DOT3	
 **300 N** *(31 kgf, 67.5 lbf)*		**7 to 10**	
 **mm** *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **25.0** *(0.984)*	⬆ **8.5** *(0.335)*
 **mm** *(in.)*		⬆ **1.0** *(0.0394)*	
 **mm** *(in.)*		⬇ **171.0** *(6.73)*	
		AVV	
 **liters** *(US qts, Imp.qts)*		**3.7** *(3.9, 3.2)*	
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**39** *(400, 29)*	

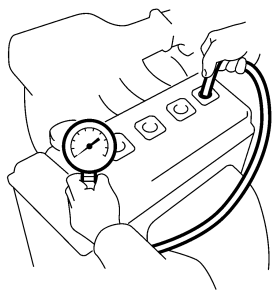
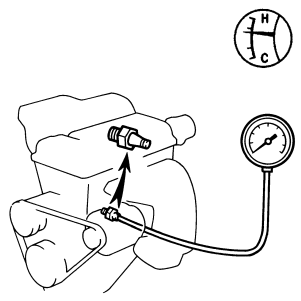
		AVV	
 **N·m** *(kgf-cm, ft-lbf)*		**103** *(1049, 76)*	
		AVV	
 **mm** *(in.)*		⬇ **30** *(1.18)*	
			
	**A**	**-0°35'+/-45'** *(-0.58°+/-0.75°)*	**-1°11'+/-45'** *(-1.18°+/-0.75°)*
	B	**12°00'** *(12.00°)*	**-**
	C	**2°50'+/-45'** *(2.83°+/-0.75°)*	**-**
	D	**38°54'+/-2°** *(38.90°+/-2°)*	**-**
	**E+F**	**0°00'+/-11'** *(0.00°+/-0.18°)*	**0°22'+/-11'** *(0.37°+/-0.18°)*
	G-H **mm** *(in.)*	**0.0+/-2.0** *(0.0000+/-0.0787)*	**4.0+/-2.0** *(0.157+/-0.0787)*
			
 **kPa** *(kgf/cm²*, *psi)*	**215/60R16 95V**	**230** *(2.3, 33)*	**230** *(2.3, 33)*2* **240** *(2.4, 35)*3* **270** *(2.7, 39)*4*
	215/55R17 93V	**230** *(2.3, 33)*2*3* **240** *(2.4, 35)*4*	**230** *(2.3, 33)* **230** *(2.3, 33)*2* **260** *(2.6, 38)*3* **290** *(2.9, 42)*4*

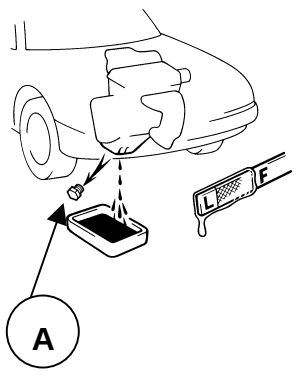
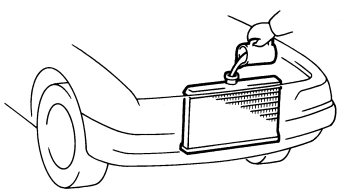
*1: When the brake pedal is depressed with force of 500 N (51 kgf, 112 lbf) with the power switch on (READY).
*2: For driving under 160 km/h (99 mph) *3: For driving at 160 to 180 km/h (99 to 112 mph)
*4: For driving at 180 to 210 km/h (112 to 131 mph)

CAMRY HV

AVV50 2012/09 -

		2AR-FXE
	cm³ or cc *(cu.in.)*	**2494** *(152.2)*
	**DENSO**	**FK16HR-A8**
	A **mm** *(in.)*	**0.7 to 0.8** *(0.0276 to 0.0315)*
 **BTDC**		**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)
 **rpm**		**900 to 1050*1** (DLC3 Terminal 9 (TAC) Connected)

 **kPa** *(kgf/cm², psi)*		**1100** *(11.2, 160)*
		750 *(7.6, 109)*
		100 *(1.0, 15)*
 **kPa** *(kgf/cm², psi)*		⬆ **145** *(1.5, 21)*1*
	2500 rpm	⬆ **340** *(3.5, 49)*1*

			2AR-FXE
 **liters** *(US qts, Imp. qts)*			**4.0** *(4.2, 3.5)*
			4.4 *(4.6, 3.9)*
		20W-50 15W-40	**API grade SL, SM or SN multigrade engine oil**
		10W-30 5W-30 5W-20 0W-20	**API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or ILSAC* multigrade engine oil**
N·m *(kgf-cm, ft-lbf)*	**A**		**40** *(408, 30)*
 **liters** *(US qts, Imp. qts)*			**7.2** *(7.6, 6.3)*2* **3.2** *(3.4, 2.8)*3*

* ILSAC: International Lubricant Standardization and Approval Committee

*1: Shift lever in P in inspection mode. *2: for Engine *3: for Inverter

TOYOTA MOTOR CORPORATION Technical Service Division