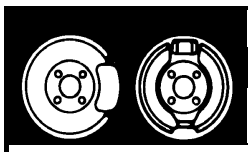
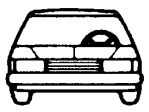
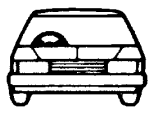
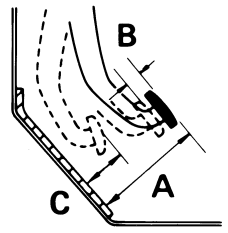
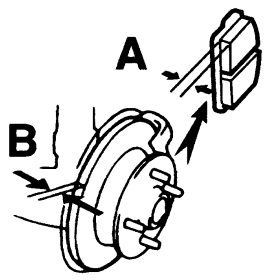
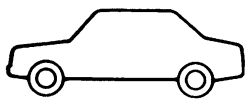
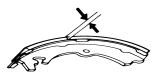
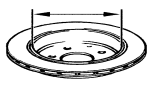
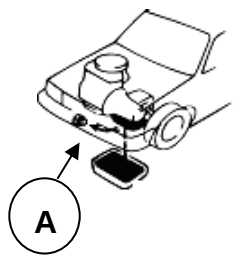
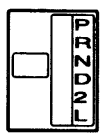
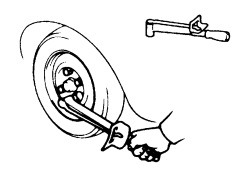
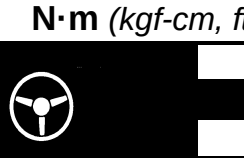
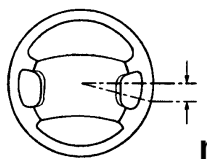
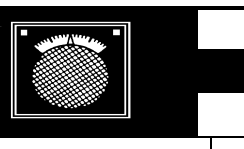
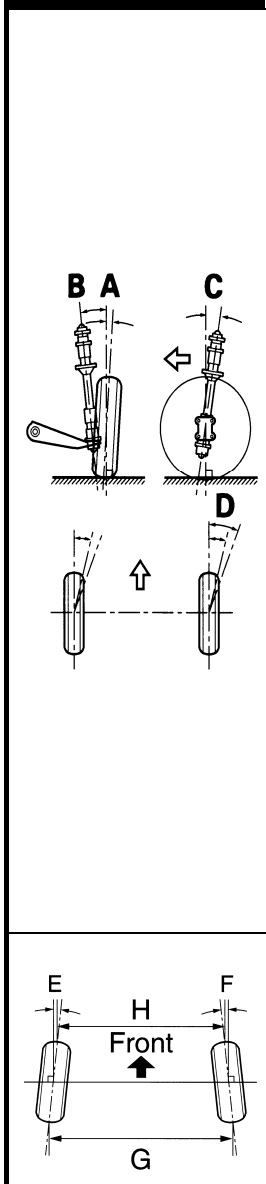
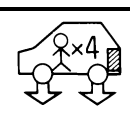
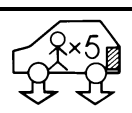
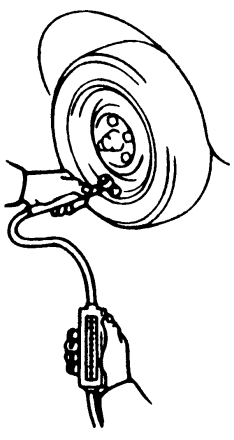
SDS TOYOTA CAMRY

ASV5#, GSV50 **2015/02 - 2016/06**

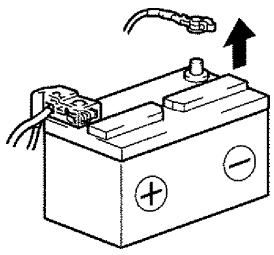
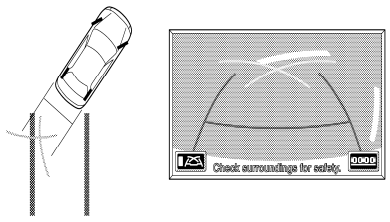
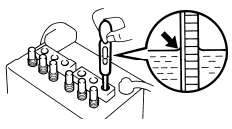
			
 **mm** *(in.)*	**A**	**138.5 to 148.5** *(5.46 to 5.84)*	**144.2 to 154.2** *(5.68 to 6.07)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C*1	⬆ **93.0** *(3.66)*2* ⬆ **96.0** *(3.78)*3*4*	⬆ **99.0** *(3.90)*
		**SAE J1703 or FMVSS No. 116 DOT3**	
 **300 N** *(31 kgf, 67.5 lbf)*		**7 to 10**	
 **mm** *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **25.0** *(0.984)*	⬆ **8.5** *(0.335)*
 **mm** *(in.)*		⬆ **1.0** *(0.0394)*	
 **mm** *(in.)*		⬇ **174.0** *(6.85)*5* ⬇ **171.0** *(6.73)*6*	
		ASV	**GSV**
 **liters** *(US qts, lmp.qts)*		**6.5** *(6.9, 5.7)*7* **6.7** *(7.1, 5.9)*8*	**6.5** *(6.9, 5.7)*
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**40** *(408, 30)*	

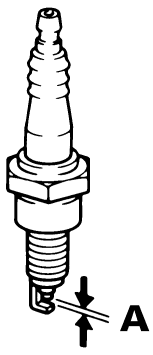
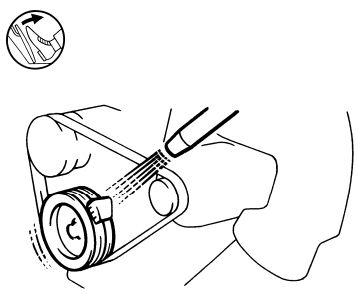
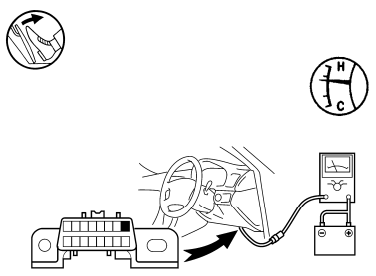
		**ASV, GSV**			
 **N·m** *(kgf-cm, ft-lbf)*		**103** *(1049, 76)*			
		**ASV, GSV**			
 **mm** *(in.)*		⬇ **30** *(1.18)*			
				For Russia	For Russia
	**A**	**-0°35'+/-45'** *(-0.58°+/-0.75°)* **-0°42'+/-45'** *(-0.70°+/-0.75°)*5*	**-0°35'+/-45'** *(-0.58°+/-0.75°)*	**-1°08'+/-45'** *(-1.13°+/-0.75°)*9* **-1°11'+/-45'** *(-1.18°+/-0.75°)*10* **-1°15'+/-45'** *(-1.25°+/-0.75°)*5*	**-1°07'+/-45'** *(-1.12°+/-0.75°)*2*9* **-1°09'+/-45'** *(-1.15°+/-0.75°)*3*9* **-1°09'+/-45'** *(-1.15°+/-0.75°)*3*10* **-1°12'+/-45'** *(-1.20°+/-0.75°)*4*10*
	B	**11°55'** *(11.92°)*9* **12°05'** *(12.08°)*10* **12°16'** *(12.27°)*5*	**12°00'** *(12.00°)*9* **12°00'** *(12.00°)*3*10* **12°05'** *(12.08°)*4*10*	-	
	C	**2°45'+/-45'** *(2.75°+/-0.75°)*9* **2°50'+/-45'** *(2.83°+/-0.75°)*10* **2°58'+/-45'** *(2.97°+/-0.75°)*5*	**2°45'+/-45'** *(2.75°+/-0.75°)*2*9* **2°50'+/-45'** *(2.83°+/-0.75°)*3*9* **2°50'+/-45'** *(2.83°+/-0.75°)*10*	-	
	D	**39°58' +/-2°** *(39.97°+/-2°)*9* **38°50' +/-2°** *(38.83°+/-2°)*10* **37°13' +/-2°** *(37.22°+/-2°)*5*	**38°52' +/-2°** *(38.87°+/-2°)*2*9* **38°57' +/-2°** *(38.95°+/-2°)*3*9* **38°55' +/-2°** *(38.92°+/-2°)*3*10* **38°49' +/-2°** *(38.82°+/-2°)*4*10*	-	
	E+F	**0°00'+/-11'** *(0.00°+/-0.18°)* **0°00'+/-10'** *(0.00°+/-0.17°)*5*		**0°22'+/-11'** *(0.37°+/-0.18°)* **0°13'+/-10'** *(0.21°+/-0.17°)*5*	
	G-H **mm** *(in.)*	**0.0+/-2.0** *(0.0000+/-0.0787)*		**4.0+/-2.0** *(0.157+/-0.0787)* **2.5+/-2.0** *(0.0984+/-0.0787)*5*	
					
 **kPa** *(kgf/cm², psi)*	**215/60R16 95V**	**230** *(2.3, 33)*		**230** *(2.3, 33)*11* **240** *(2.4, 35)*12* **270** *(2.7, 39)*13*	
	215/55R17 93V	**230** *(2.3, 33)*11*12* **240** *(2.4, 35)*13*	**230** *(2.3, 33)*	**230** *(2.3, 33)*11* **260** *(2.6, 38)*12* **290** *(2.9, 42)*13*	
	P215/55R17 93V	**210** *(2.1, 30)*			

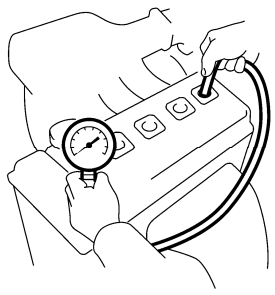
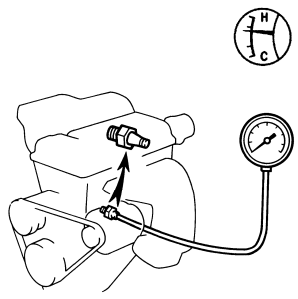
*1: When the brake pedal is depressed with force of 500 N (51 kgf, 112 lbf) while engine is running. *2: for 6AR-FSE *3: for 2AR-FE *4: for 2GR-FE
*5: for TMMK Made *6: for TMC, TMMR Made *7: U760E *8: U761E *9: Tire Size: 215/60R16 95V *10: Tire Size: 215/55R17 93V
*11: For driving under 160 km/h (100 mph) *12: For driving at 160 km/h (100 mph) to 180 km/h (112 mph)
*13: For driving at 180 km/h (112 mph) to 210 km/h (131 mph)

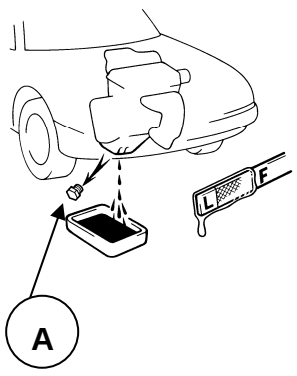
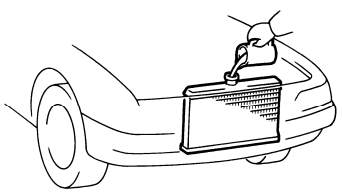
CAMRY

ASV5#, GSV50 **2015/02 - 2016/06**

	ASV, GSV
*1 	*2 
 **20°C** *(68°F)*	**1.25 to 1.29**

	6AR-FSE	2AR-FE	2GR-FE
cm³ or cc *(cu.in.)*	**1998** *(121.9)*	**2494** *(152.2)*	**3456** *(210.9)*
 **DENSO**	**FK16HBR-J8**	**SK16HR11**	**FK20HR11**
A **mm** *(in.)*	**0.7 to 0.8** *(0.0276 to 0.0315)*	**1.0 to 1.1** *(0.0394 to 0.0433)*	
 **BTDC**	**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)		
 **rpm**	**600 to 700** (DLC3 Terminal 9 (TAC) Connected)	**610 to 710** (DLC3 Terminal 9 (TAC) Connected)	**600 to 700** (DLC3 Terminal 9 (TAC) Connected)

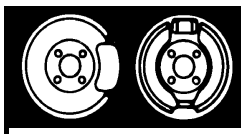
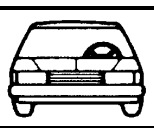
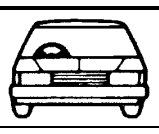
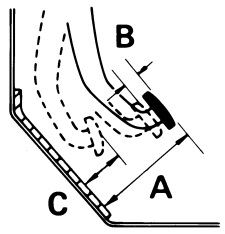
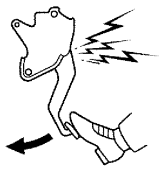
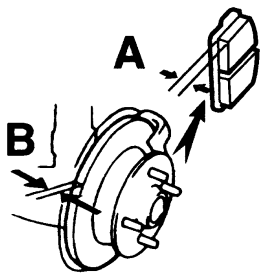
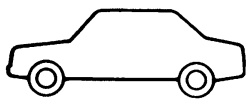
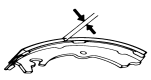
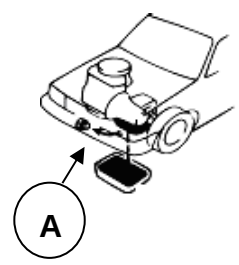
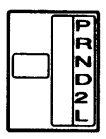
 **kPa** *(kgf/cm², psi)*		**1400** *(14.3, 203)*	**1450** *(14.8, 210)*	**1300** *(13.0, 189)*
		980 *(10.0, 142)*		
		100 *(1.0, 15)*		
 **kPa** *(kgf/cm², psi)*		**50** *(0.5, 7.3)*	**30** *(0.3, 4.4)*	
		4000 rpm **260** *(2.7, 38)*	**3000 rpm** **200** *(2.0, 29)*	

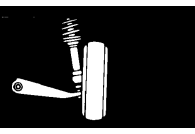
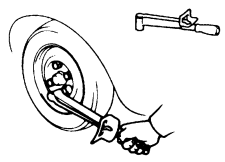
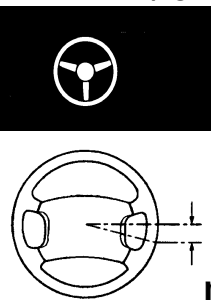
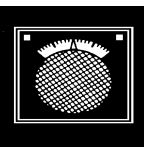
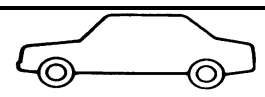
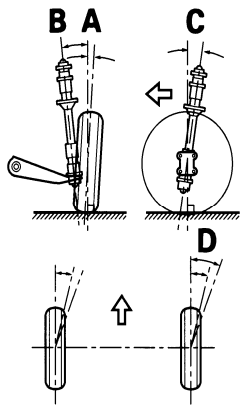
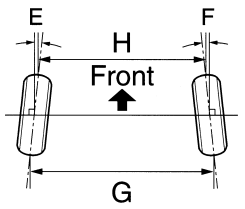
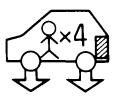
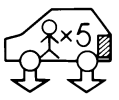
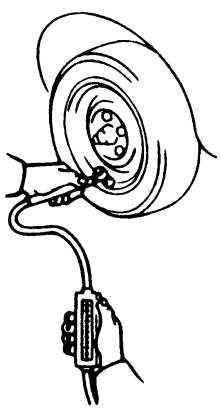
	6AR-FSE	2AR-FE	2GR-FE
 **liters** *(US qts, Imp. qts)*	**4.0** *(4.2, 3.5)*		**5.7** *(6.0, 5.0)*
	4.4 *(4.6, 3.9)*		**6.1** *(6.4, 5.4)*
	15W-40: API grade SL, SM or SN multigrade engine oil	**15W-40 and 20W-50: API grade SL, SM or SN multigrade engine oil**	
	0W-20, 5W-20, 5W-30 and 10W-30: API grade 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)*	**7.3** *(7.7, 6.4)*	**6.9** *(7.3, 6.1)*3* **7.0** *(7.4, 6.2)*4* **7.3** *(7.7, 6.4)*5*	**8.8** *(9.3, 7.7)*6* **8.9** *(9.4, 7.8)*7*

*ILSAC: International Lubricant Standardization and Approval Committee

*1: Initialization required. Refer to the repair manual for the initialization procedures. *2: Parking Assist Monitor System

*3: Code Mark M *4: Code Mark G *5: Code Mark Z *6: Code Mark K *7: Code Mark J

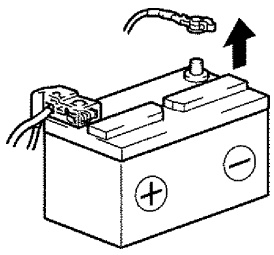
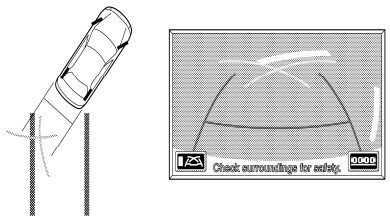
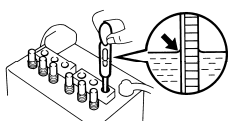
			
 **mm** *(in.)*	**A**	**138.5 to 148.5** *(5.46 to 5.84)*	**144.2 to 154.2** *(5.68 to 6.07)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C*1	**93.0** *(3.66)*2* **96.0** *(3.78)*3*4*	**99.0** *(3.90)*
		**SAE J1703 or FMVSS No. 116 DOT3**	
 **300 N** *(31 kgf, 67.5 lbf)*		**7 to 10**	
 **mm** *(in.)*			
	A	**1.0** *(0.0394)*	
	B	**25.0** *(0.984)*	**8.5** *(0.335)*
 **mm** *(in.)*		**1.0** *(0.0394)*	
 **mm** *(in.)*		**174.0** *(6.85)*5* **171.0** *(6.73)*6*	
		**ASV**	**GSV**
 **liters** *(US qts, Imp.qts)*		**6.5** *(6.9, 5.7)*7* **6.7** *(7.1, 5.9)*8*	**6.5** *(6.9, 5.7)*
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**40** *(408, 30)*	

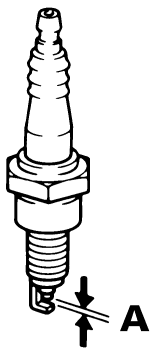
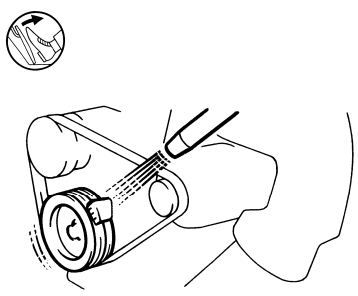
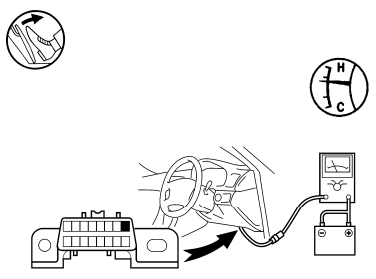
			**ASV, GSV**	
 **N·m** *(kgf-cm, ft-lbf)*			**103** *(1049, 76)*	
 **mm** *(in.)*			**ASV, GSV**	
			30 *(1.18)*	
			For Russia	For Russia
	**A**	**-0°35'+/-45'** *(-0.58 °+/-0.75 °)* **-0°42'+/-45'** *(-0.70 °+/-0.75 °)*5*	**-0°35'+/-45'** *(-0.58 °+/-0.75 °)*	**-1°08'+/-45'** *(-1.13 °+/-0.75 °)*9* **-1°11'+/-45'** *(-1.18 °+/-0.75 °)*10* **-1°15'+/-45'** *(-1.25 °+/-0.75 °)*5*	**-1°07'+/-45'** *(-1.12 °+/-0.75 °)*2*9* **-1°09'+/-45'** *(-1.15 °+/-0.75 °)*3*9* **-1°09'+/-45'** *(-1.15 °+/-0.75 °)*3*10* **-1°12'+/-45'** *(-1.20 °+/-0.75 °)*4*10*
	B	**11°55'** *(11.92 °)*9* **12°05'** *(12.08 °)*10* **12°16'** *(12.27 °)*5*	**12°00'** *(12.00 °)*9* **12°00'** *(12.00 °)*3*10* **12°05'** *(12.08 °)*4*10*	-	
	C	**2°45'+/-45'** *(2.75 °+/-0.75 °)*9* **2°50'+/-45'** *(2.83 °+/-0.75 °)*10* **2°58'+/-45'** *(2.97 °+/-0.75 °)*5*	**2°45'+/-45'** *(2.75 °+/-0.75 °)*2*9* **2°50'+/-45'** *(2.83 °+/-0.75 °)*3*9* **2°50'+/-45'** *(2.83 °+/-0.75 °)*10*	-	
	D	**39°58' +/-2°** *(39.97 °+/-2 °)*9* **38°50' +/-2°** *(38.83 °+/-2 °)*10* **37°13' +/-2°** *(37.22 °+/-2 °)*5*	**38°52' +/-2°** *(38.87 °+/-2 °)*2*9* **38°57' +/-2°** *(38.95 °+/-2 °)*3*9* **38°55' +/-2°** *(38.92 °+/-2 °)*3*10* **38°49' +/-2°** *(38.82 °+/-2 °)*4*10*	-	
	**E+F**	**0°00'+/-11'** *(0.00 °+/-0.18 °)* **0°00'+/-10'** *(0.00 °+/-0.17 °)*5*		**0°22'+/-11'** *(0.37 °+/-0.18 °)* **0°13'+/-10'** *(0.21 °+/-0.17 °)*5*	
	G-H **mm** *(in.)*	**0.0+/-2.0** *(0.0000+/-0.0787)*		**4.0+/-2.0** *(0.157+/-0.0787)* **2.5+/-2.0** *(0.0984+/-0.0787)*5*	
					
 **kPa** *(kgf/cm², psi)*	**215/60R16 95V**	**230** *(2.3, 33)*		**230** *(2.3, 33)*11* **240** *(2.4, 35)*12* **270** *(2.7, 39)*13*	
	215/55R17 93V **215/55R17 94V**	**230** *(2.3, 33)*11*12* **240** *(2.4, 35)*13*	**230** *(2.3, 33)*	**230** *(2.3, 33)*11* **260** *(2.6, 38)*12* **290** *(2.9, 42)*13*	
	P215/55R17 93V	**210** *(2.1, 30)*			

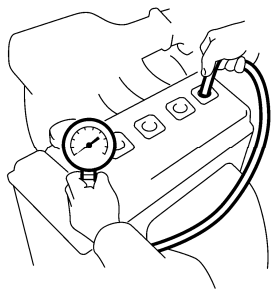
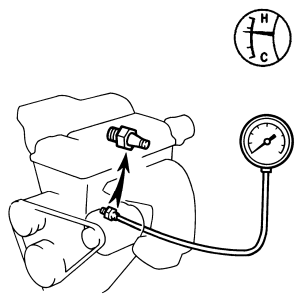
*1: When the brake pedal is depressed with force of 500 N (51 kgf, 112 lbf) while engine is running. *2: for 6AR-FSE *3: for 2AR-FE *4: for 2GR-FE
*5: for TMMK Made *6: for TMC, TMMR Made *7: U760E *8: U761E *9: Tire Size: 215/60R16 95V *10: Tire Size: 215/55R17 93V
*11: For driving under 160 km/h (100 mph) *12: For driving at 160 km/h (100 mph) to 180 km/h (112 mph)
*13: For driving at 180 km/h (112 mph) to 210 km/h (131 mph)

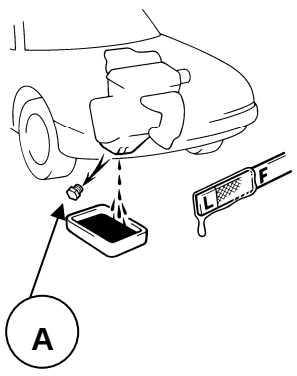
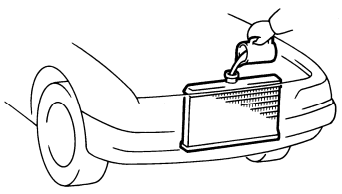
CAMRY

ASV5#, GSV50 **2016/06 -**

	ASV, GSV
*1 	*2 
 **20°C** *(68°F)*	**1.25 to 1.29**

	6AR-FSE	2AR-FE	2GR-FE
cm³ or cc *(cu.in.)*	**1998** *(121.9)*	**2494** *(152.2)*	**3456** *(210.9)*
 **DENSO**	**FK16HBR-J8**	**SK16HR11**	**FK20HR11**
A mm *(in.)*	**0.7 to 0.8** *(0.0276 to 0.0315)*	**1.0 to 1.1** *(0.0394 to 0.0433)*	
 **BTDC**	**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)		
 **rpm**	**600 to 700** (DLC3 Terminal 9 (TAC) Connected)	**610 to 710** (DLC3 Terminal 9 (TAC) Connected)	**600 to 700** (DLC3 Terminal 9 (TAC) Connected)

		**1400** *(14.3, 203)*	**1450** *(14.8, 210)*	**1300** *(13.0, 189)*
		980 *(10.0, 142)*	
kPa *(kgf/cm², psi)*		**100** *(1.0, 15)*	
		**50** *(0.5, 7.3)*	**30** *(0.3, 4.4)*
		4000 rpm **260** *(2.7, 38)*	**3000 rpm** **200** *(2.0, 29)*
kPa *(kgf/cm², psi)*			

	6AR-FSE	2AR-FE	2GR-FE
	**4.0** *(4.2, 3.5)*		**5.7** *(6.0, 5.0)*
	4.4 *(4.6, 3.9)*		**6.1** *(6.4, 5.4)*
liters *(US qts, Imp. qts)*	**15W-40: API grade SL, SM or SN multigrade engine oil**	**15W-40 and 20W-50: API grade SL, SM or SN multigrade engine oil**	
	0W-20, 5W-20, 5W-30 and 10W-30: 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)*	**7.3** *(7.7, 6.4)*	**6.9** *(7.3, 6.1)*3* **7.0** *(7.4, 6.2)*4* **7.3** *(7.7, 6.4)*5*	**8.8** *(9.3, 7.7)*6* **8.9** *(9.4, 7.8)*7*

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