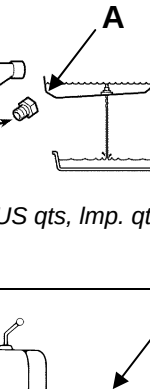
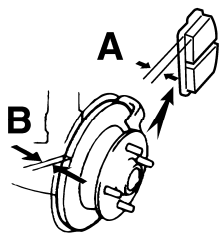
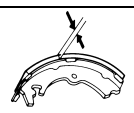
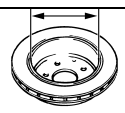
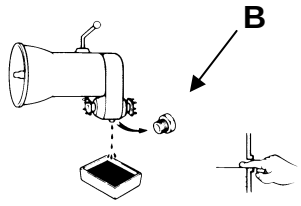
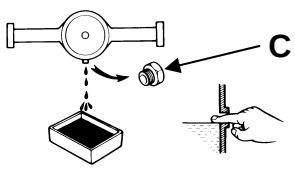
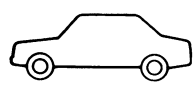
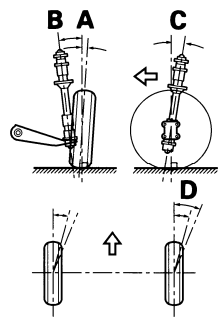
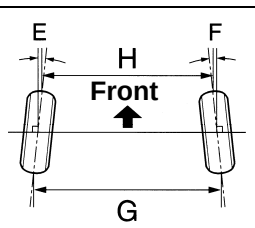
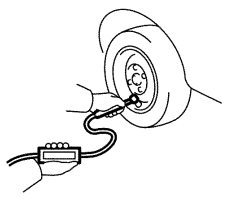
	A	**149.1 to 159.1** *(5.87 to 6.26)*	**147.1 to 157.1** *(5.80 to 6.18)*
	B	**1 to 6** *(0.04 to 0.24)*	
	C*1	⬆ **67.5** *(2.66)*	⬆ **67** *(2.64)*
mm *(in.)*		**SAE J1703 or FMVSS No. 116 DOT3**	
200 N *(20 kgf, 45 lbf)* 		**5 to 7**	
 **mm** *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **29.0** *(1.15)*	⬆ **16.0** *(0.630)*
 **mm** *(in.)*		⬆ **1.0** *(0.0394)*	
 **mm** *(in.)*		⬇ **241** *(9.48)*	
		URJ	
liter *(US qts, Imp. qts)*		**Refer to Repair Manual Pub. No. RM08G0E (Service Specification)**	
		Toyota genuine ATF WS	
 **liter** *(US qts, Imp. qts)*		**1.4 to 1.5** *(1.47 to 1.59, 1.23 to 1.32)*	
		Gear oil API GL-5 SAE 75W-90	
 **liter** *(US qts, Imp. qts)*			
		1.90 *(2.01, 1.67)*	**4.20** *(4.44, 3.70)*

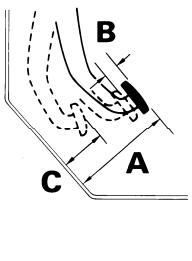
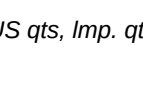
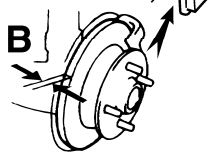
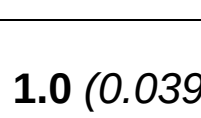
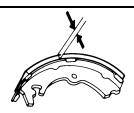
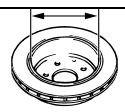
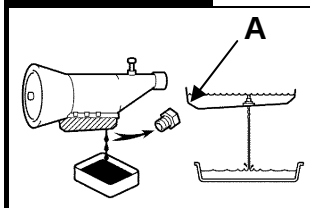
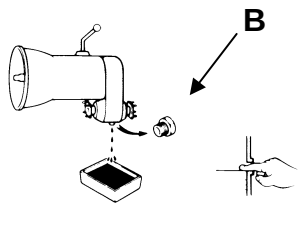
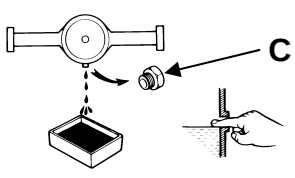
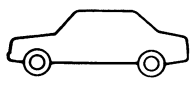
		Toyota genuine Differential gear oil LT 75W-85 GL-5 or equivalent	
N*m *(kgf*cm, ft*lbf)*	A	**20** *(204, 15)*	
	B	**37** *(377, 27)*	
	C	**39** *(400, 29)*	
		URJ	
N*m *(kgf*cm, ft*lbf)*		**131** *(1336, 97)*	
		URJ	
mm *(in.)*		⬇ **30** *(1.18)*	
			
	A	**0°00' +/-45'** *(0.00 °+/-0.75 °)*	-
	B	**13°00'** *(13.00 °)*	-
	C	**3°23' +/-45'** *(3.38 °+/-0.75 °)*	-
	D	**33°28' to 36°28'** *(33.46 °to 36.46 °)*	-
	E + F	**0°00' +/-10'** *(0.00 °+/-0.17 °)*	-
	G - H **mm** *(in.)*	**0 +/-2** *(0 +/-0.0787)*	-
		URJ	
 **kPa** *(kgf/cm^2, psi)*	**285/60R18 116V**	**China**	**240** *(2.4, 35)*
		Other	**230** *(2.3, 33)*

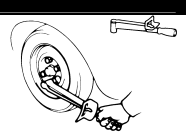
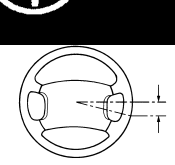
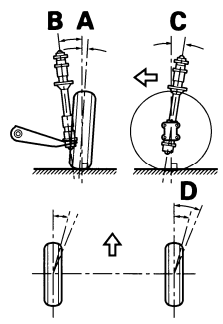
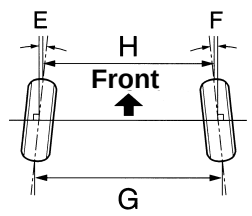
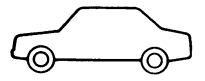
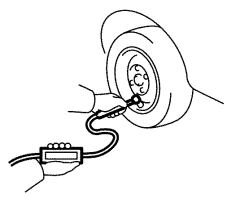
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110.2 lbf) while the engine is running.

	URJ
20°C *(68°F)*	**1.25 to 1.29**
*1	*2 / *3
	VGRS / SIDE MONITOR SYSTEM
	3UR-FE
cc *(cu. in.)*	**5663** *(345.6)*
DENSO	**SK20HR11**
NGK	**-**
A **mm** *(in.)*	**1.1** *(0.043)*
BTDC	**8 to 12°*4** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
mm *(in.)*	**-**
	-
rpm	**650 to 750*4**

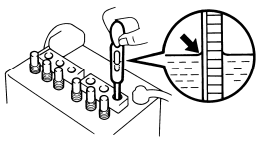
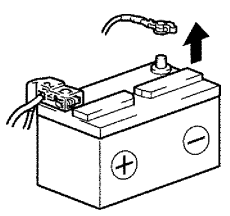
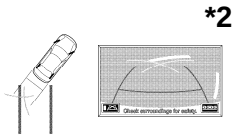
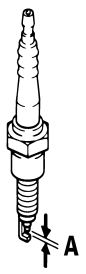
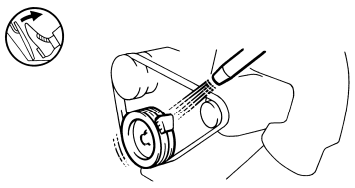
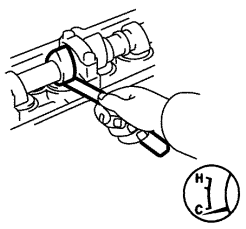
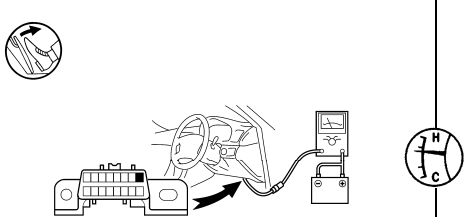
kPa *(kgf/cm²*, *psi)*		**1300** *(13.3, 189)*
	⬆	**1000** *(10.2, 145)*
	⬇	**100** *(1.0, 15)*
	⬆	**70** *(0.7, 10.1)*
kPa *(kgf/cm²*, *psi)*	**2500 rpm** ⬆	**220** *(2.2, 32)*
		3UR-FE
		6.6 *(7.0, 5.8)*
		7.0 *(7.4, 6.2)*
liter *(US qts, Imp. qts)*	**0W-20 5W-20 *5**	**API grade SL Energy-Con serving", SM "Energy-Con serving" or ILSAC*6 multigrade engine oil**
	5W-20	**API grade SL and SM multigrade engine oil**
N*m *(kgf*cm, ft*lbf)*	**A**	**40** *(408, 30)*
Liter *(US qts, Imp. qts)*		**w/ Transmission Oil Cooler 16.7** *(17.6, 14.7)* **w/o Transmission Oil Cooler 16.2** *(17.1, 14.3)*

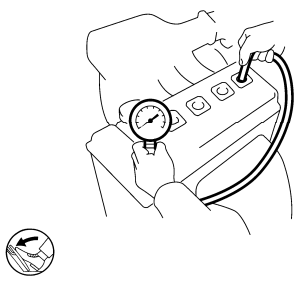
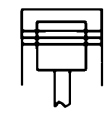
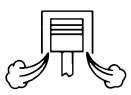
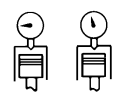
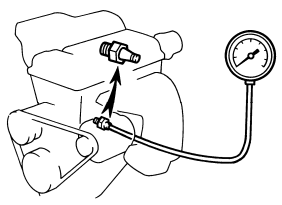
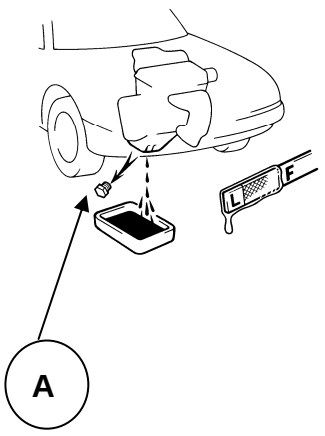
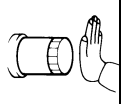
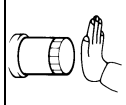
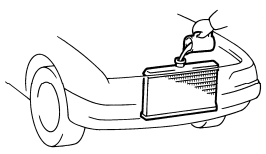
*1: The initialization is required. Refer to the repair manual for the initialization procedures. *2: Parking Assist Monitor System
*3: Power Back Door System *4: with the shift lever in N and A/C switch OFF. *5: 0W-20 is best choice for fuel economy and good starting in cold weather.
*6: International Lubricant Standardization and Approval Committee

			
 **mm** *(in.)*	**A**	**149.1 to 159.1** *(5.87 to 6.26)*	**147.1 to 157.1** *(5.80 to 6.18)*
	B	**1 to 6** *(0.04 to 0.24)*	
	C*1	⬆ **67.5** *(2.66)*	⬆ **67** *(2.64)*
		SAE J1703 or FMVSS No. 116 DOT3	
200 N *(20 kgf, 45 lbf)* 		**5 to 7**	
 **mm** *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **29.0** *(1.15)*	⬆ **16.0** *(0.630)*
 **mm** *(in.)*		⬆ **1.0** *(0.0394)*	
 **mm** *(in.)*		⬇ **241** *(9.48)*	
		URJ	
 **liter** *(US qts, lmp. qts)*		**Refer to Repair Manual Pub. No. RM08G2E (Service Specification)**	
		Toyota genuine ATF WS	
 **liter** *(US qts, Imp. qts)*		**1.4 to 1.5** *(1.47 to 1.59, 1.23 to 1.32)*	
		Gear oil API GL-5 SAE 75W-90	
 **liter** *(US qts, Imp. qts)*		**1.85 to 1.95** *(1.96 to 2.06, 1.63 to 1.71)*	**4.15 to 4.25** *(4.39 to 4.49, 3.66 to 3.74)*

		Toyota genuine Differential gear oil LT 75W-85 GL-5 or equivalent	
	A	**20** *(204, 15)*	
	B	**37** *(377, 27)*	
N*m *(kgf*cm, ft*lbf)*	**C**	**39** *(400, 29)*	
		URJ	
 **N*m** *(kgf*cm, ft*lbf)*		**131** *(1336, 97)*	
		URJ	
 **mm** *(in.)*		⬇ **30** *(1.18)*	
			
	**A**	**0°00' +/-45'** *(0.00° +/-0.75°)*	**-**
	B	**13°00'** *(13.00°)*	**-**
	C	**3°23' +/-45'** *(3.38° +/-0.75°)*	**-**
	D	**33°28' to 36°28'** *(33.46° to 36.46°)*	**-**
	**E + F**	**0°00' +/-10'** *(0.00° +/-0.17°)*	**-**
	G - H **mm** *(in.)*	**0 +/-2** *(0 +/-0.0787)*	**-**
160 Km/h= 100 mph			
 **kPa** *(kgf/cm², psi)*	**285/60R18 116V**	**China**	**240** *(2.4, 35)*
		Other	**230** *(2.3, 33)*
	285/50R20	⬇**160**	**230** *(2.3, 33)*
		⬆**160**	**260** *(2.6, 38)*

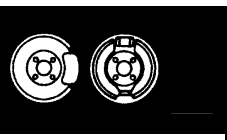
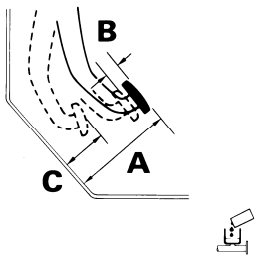
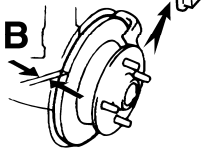
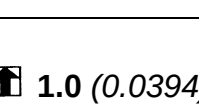
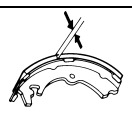
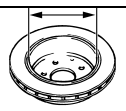
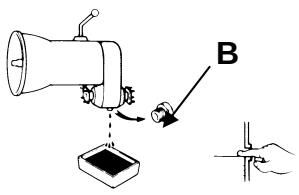
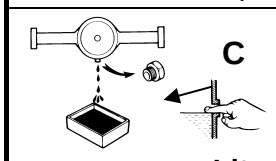
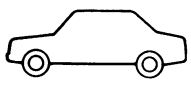
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110.2 lbf) while the engine is running.

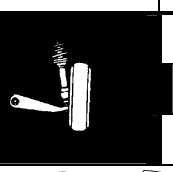
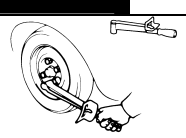
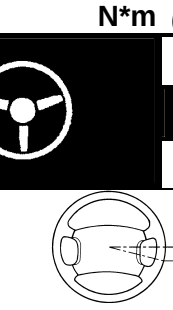
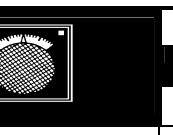
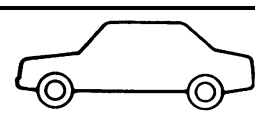
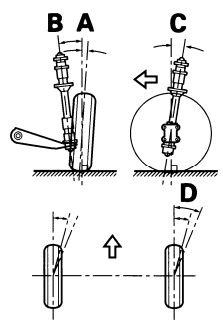
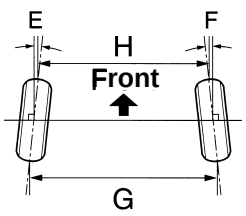
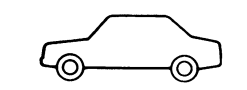
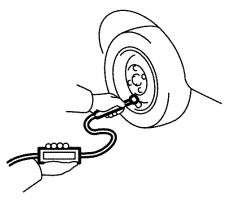
		URJ
 20°C *(68°F)*		**1.25 to 1.29**
 ***1**	 ***2** **VGRS**	 ***3** **SIDE MONITOR SYSTEM**
		3UR-FE
cc *(cu. in.)*		**5663** *(345.6)*
	**DENSO**	**SK20HR11**
	A **mm** *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*
 **BTDC**		**8 to 12°*4** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)
 **mm** *(in.)*		**-**
		**-**
 **rpm**		**650 to 750*4**

 **kPa** *(kgf/cm², psi)*			**1300** *(13.3, 189)*
			⬆ **1000** *(10.2, 145)*
			⬇ **100** *(1.0, 15)*
 **kPa** *(kgf/cm², psi)*			⬆ **70** *(0.7, 10.1)*
	2500 rpm 		⬆ **220** *(2.2, 32)*
			3UR-FE
 **liter** *(US qts, Imp. qts)*	**Blue*5**		**6.6** *(7.0, 5.8)*
			**7.0** *(7.4, 6.2)*
	Green *5		**7.1** *(7.5, 6.2)*
			**7.5** *(7.9, 6.6)*
	0W-20, 5W-20, 5W-30 and 10W-30 API grade SL Energy-Conserving", SM "Energy-Conserving" or ILSAC multigrade engine oil 15W-40 and 20w-50 API grade SL or SM multigrade engine oil		
N*m *(kgf*cm, ft*lbf)*	**A**		**40** *(408, 30)*
 **Liter** *(US qts, Imp. qts)*			**w/ Transmission Oil Cooler 16.7** *(17.6, 14.7)* **w/o Transmission Oil Cooler 16.2** *(17.1, 14.3)*

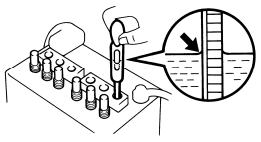
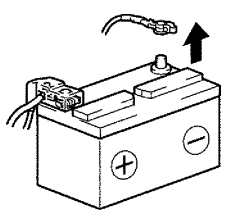
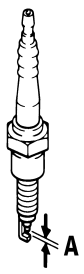
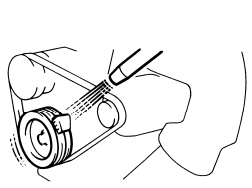
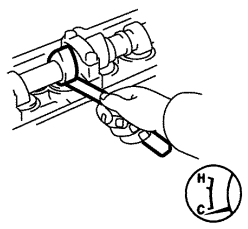
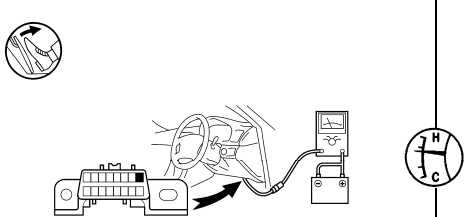
*1: The initialization is required. Refer to the repair manual for the initialization procedures. *2: Parking Assist Monitor System

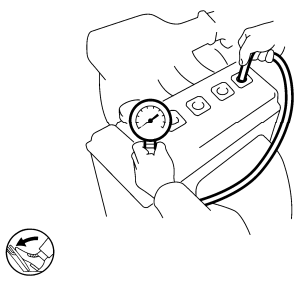
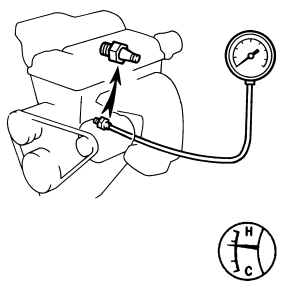
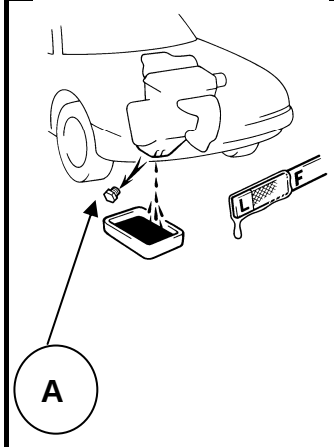
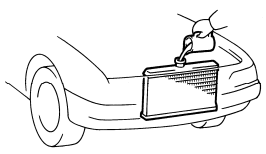
*3: Power Back Door System *4: with the shift lever in N and A/C switch OFF. *5: Engine oil level dipstick paint mark

			
 mm *(in.)*	A	**149.1 to 159.1** *(5.87 to 6.26)*	**147.1 to 157.1** *(5.80 to 6.18)*
	B	**1 to 6** *(0.0394 to 0.236)*	
	C*1	⬆ **67.5** *(2.66)*	⬆ **67** *(2.64)*
		SAE J1703 or FMVSS No. 116 DOT3	
200 N *(20 kgf, 45 lbf)* 		**5 to 7 Clicks**	
 mm *(in.)*			
	A	⬆ **1.0** *(0.0394)*	
	B	⬆ **29.0** *(1.15)*	⬆ **16.0** *(0.630)*
 mm *(in.)*		⬆ **1.0** *(0.0394)*	
 mm *(in.)*		⬇ **241** *(9.48)*	
		**URJ**	
Liter *(US qts, Imp. qts)*		**Refer to Repair Manual Pub. No. RM08G4E (AB64F Automatic Transmission / Transaxle / Automatic Transmission Fluid)**	
		Toyota genuine ATF WS	
 **Liter** *(US qts, Imp. qts)*		**1.4 to 1.5** *(1.47 to 1.59, 1.23 to 1.32)*	
		Toyota genuine Transfer gear oil LF 75W or equivalent	
 **Liter** *(US qts, Imp. qts)*			
		1.85 to 1.95 *(1.96 to 2.06, 1.63 to 1.71)*	**4.15 to 4.25** *(4.39 to 4.49, 3.66 to 3.74)*

		Toyota genuine Differential gear oil LT 75W-85 GL-5 or equivalent	
N*m *(kgf*cm, ft*lbf)*	A	**20** *(204, 15)*	
	B	**37** *(377, 27)*	
	C	**39** *(400, 29)*	
		**URJ**	
 **N*m** *(kgf*cm, ft*lbf)*		**131** *(1336, 97)*	
 mm *(in.)*		**URJ**	
		⬇ **30** *(1.18)*	
			
	A	**0°00' +/-45'** *(0.00° +/-0.75°)*	**-**
	B	**13°00'** *(13.00°)*	**-**
	C	**3°23' +/-45'** *(3.38° +/-0.75°)*	**-**
	D	**33°28' to 36°28'** *(33.46° to 36.46°)*	**-**
	E + F	**0°00' +/-10'** *(0.00° +/-0.17°)*	**-**
	G - H mm *(in.)*	**0 +/-2** *(0 +/-0.0787)*	**-**
 160 Km/h= 100 mph			
 kPa *(kgf/cm², psi)*	285/60R18 116V	China	**240** *(2.4, 35)*
		Other	**230** *(2.3, 33)*
	285/50R20	⬇160	**230** *(2.3, 33)*
		⬆160	**260** *(2.6, 38)*

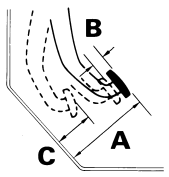
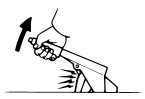
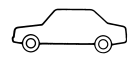
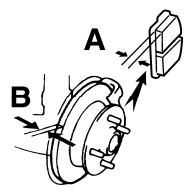
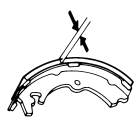
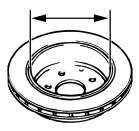
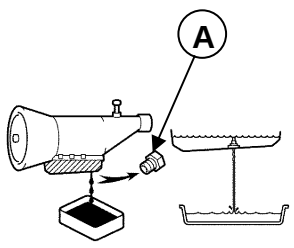
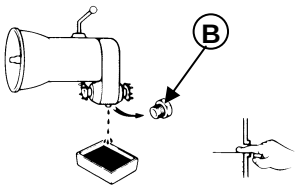
*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110.2 lbf) while the engine is running.

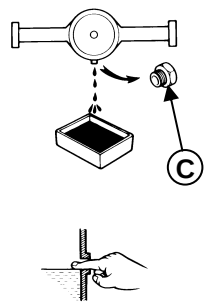
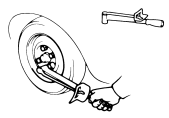
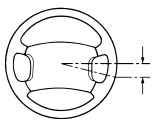
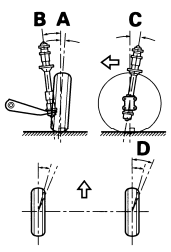
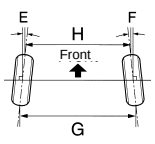
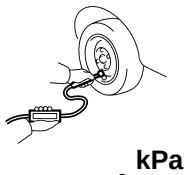
		URJ	
 **20°C** *(68°F)*		**1.25 to 1.29**	
 ***1**		**Parking Assist Monitor System**	**Power Back Door System**
		VGRS	**Side Monitor System**
		3UR-FE	
	cc *(cu. in.)*	**5663** *(345.6)*	
	**DENSO**	**SK20HR11**	
	A mm *(in.)*	**1.0 to 1.1** *(0.039 to 0.043)*	
 **BTDC**		**8 to 12°*4** (DLC3 Terminals 13 (TC) - 4 (CG) Connected)	
 **mm** *(in.)*		-	
		-	
 **rpm**		**650 to 750*2**	

 **kPa** *(kgf/cm², psi)*			**1300** *(13.3, 189)*
			⬆ **1000** *(10.2, 145)*
			⬇ **100** *(1.0, 15)*
 **kPa** *(kgf/cm², psi)*			⬆ **70** *(0.7, 10.1)*
	2500 rpm		⬆ **220** *(2.2, 32)*
		3UR-FE	
 **Liter** *(US qts, Imp. qts)*	**Blue*3**		**6.6** *(7.0, 5.8)*
			7.0 *(7.4, 6.2)*
	Green *3		**7.1** *(7.5, 6.2)*
			7.5 *(7.9, 6.6)*
		0W-20, 5W-20, 5W-30 and 10W-30 API grade SL Energy-Conserving", SM "Energy-Conserving" or ILSAC*3 multigrade engine oil 15W-40 and 20w-50 API grade SL or SM multigrade engine oil	
N*m *(kgf*cm, ft*lbf)*		**A**	**40** *(408, 30)*
 **Liter** *(US qts, Imp. qts)*			**w/ Transmission Oil Cooler 16.7** *(17.6, 14.7)* **w/o Transmission Oil Cooler 16.2** *(17.1, 14.3)*

*1: The initialization is required. Refer to the repair manual for the initialization procedures.
*2: with the shift lever in N and A/C switch OFF. *3: Engine oil level dipstick paint mark
*3: International Lubricant Standardization and Approval Committee

TOYOTA MOTOR CORPORATION Technical Service Division

 **mm** *(in.)*	**A**	**147.1 to 157.1** *(5.80 to 6.18)*	**149.1 to 159.1** *(5.87 to 6.26)*
	B	**1 to 6** *(0.0394 to 0.236)*	
	C*1	⇧ **67** *(2.64)*	⇧ **67.5** *(2.66)*
		**SAE J1703 or FMVSS No. 116 DOT3**	
 **200 N** *(20 kgf, 45 lbf)*		**5 to 7 Clicks**	
			
 **mm** *(in.)*	**A**	⇧ **1.0** *(0.0394)*	
	B	⇧ **29.0** *(1.15)*	⇧ **16.0** *(0.630)*
 **mm** *(in.)*		⇧ **1.0** *(0.0394)*	
 **mm** *(in.)*		⇩ **241** *(9.48)*	
		URJ	
 **Liter** *(US qts, Imp. qts)*		**Please refer to Repair Manual (AB60F Automatic Transmission / Transaxle / Automatic Transmission Fluid)**	
		Toyota genuine ATF WS	
N*m *(kgf*cm, ft.*lbf)*	**A**	**20** *(204, 15)*	
 **Liter** *(US qts, Imp. qts)*		**1.4 to 1.5** *(1.5 to 1.6, 1.2 to 1.3)*	
		Toyota genuine Transfer gear oil LF 75W or equivalent	
N*m *(kgf*cm, ft.*lbf)*	**B**	**37** *(377, 27)*	

 **Liter** *(US qts, Imp. qts)*			**1.85 to 1.95** *(1.96 to 2.06, 1.63 to 1.71)*	**4.15 to 4.25** *(4.39 to 4.49, 3.66 to 3.74)*
			Toyota Genuine Differential gear oil LT 75W-85 GL-5 or equivalent	
N*m *(kgf*cm, ft.*lbf)*		**C**	**39** *(400, 29)*	**49** *(500, 36)*
			URJ	
 **N*m** *(kgf*cm, ft.*lbf)*			**131** *(1336, 97)*	
			URJ	
 **mm** *(in.)*			⇩ **30** *(1.18)*	
	**A**		**0°00’ +/-45’** *(0.00° +/-0.75°)*	**-**
	B		**13°00’** *(13.00°)*	**-**
	C		***2**	**-**
	D		**33°28’ to 36°28’** *(33.46° to 36.46°)*	**-**
	**E+F**		**0°00’ +/-10’** *(0.00° +/-0.17°)*	**-**
	G-H **mm** *(in.)*		**0 +/-2** *(0 +/-0.0787)*	**-**
	160 Km/h= 100 mph			
 **kPa** *(kgf/cm²*, *psi)*	**285/60 R18 116V**	**China Europe**	**240** *(2.4, 35)*	
		Other	**230** *(2.3, 33)*	
	285/50 R20	**Europe**	**240** *(2.4, 35)*	
		Other	**230** *(2.3, 33)*	**230** *(2.3, 33)*4*
				260 *(2.6, 38)*3*

*1: When the brake pedal is depressed with the force of 490 N (50 kgf, 110.2 lbf) while the engine is running.
*2: Please refer to Repair Manual (Specifications / Alignment / Handling Diagnosis)
*3: For driving at over 160 km/h (100 mph) *4: For driving at under 160 km/h (100 mph)

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		URJ	
*1		**Parking Assist Monitor System**	**Power Back Door System**
		VGRS	**Air Conditioning System**
20°C *(68°F)*		**1.25 to 1.29**	
		1UR-FE	**3UR-FE**
	cc *(cu. in.)*	**4608** *(281.1)*	**5663** *(345.6)*
	DENSO	**SK20HR11**	
A	**A** **mm** *(in.)*	**1.0 to 1.1***(0.0394 to 0.0433)*	
BTDC		**8 to 12°*2** [DLC3 terminals 13 (TC) and 4 (CG) connected]	
		-	
mm *(in.)*		-	
[DLC3 terminal 9 (TAC) connected] **rpm**		**650 to 750*2**	

kPa *(kgf/cm²*, *psi)*		**1300** *(13.3, 189)*	
		1000 *(10.2, 145)*	
		100 *(1.0, 15)*	
kPa *(kgf/cm²*, *psi)*		**70** *(0.7, 10.1)*	
	rpm	**220** *(2.2, 32)* *4	
		1UR-FE	**3UR-FE**
A		**7.1** *(7.5, 6.2)*	
Liter *(US qts, Imp. qts)*		**7.5** *(7.9, 6.6)*	
		0W-20, 5W-20, 5W-30 and 10W-30: API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving" or ILSAC*3 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*3 multigrade engine oil** **15W-40 and 20w-50: API grade SL, SM or SN multigrade engine oil**
N*m (kgf*cm, ft.*lbf)	A	**40** *(408, 30)*	
Liter *(US qts, Imp. qts)*		**w/ Transmission Oil Cooler** **16.7** *(17.6, 14.7)* **w/o Transmission Oil Cooler** **16.2** *(17.1, 14.3)*	

*1: The initialization is required. Refer to the repair manual for the initialization procedures.
*2: with the shift lever in N and A/C switch OFF.
*3 ILSAC: International Lubricant Standardization and Approval Committee *4: 2500 rpm

TOYOTA MOTOR CORPORATION Technical Service Division