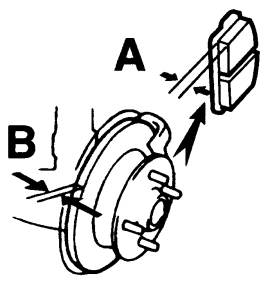
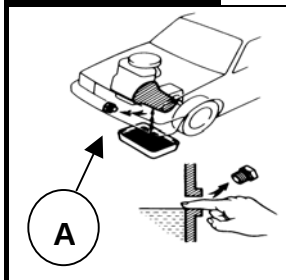
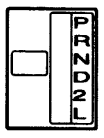
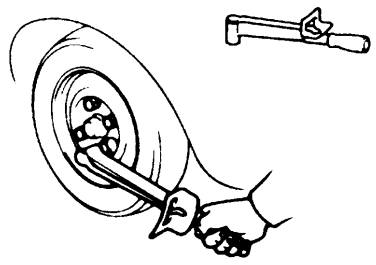
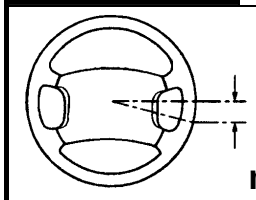
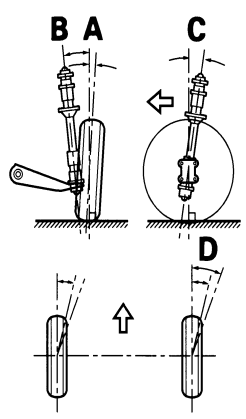
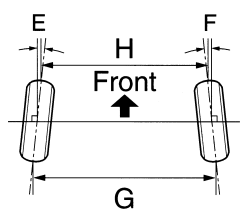
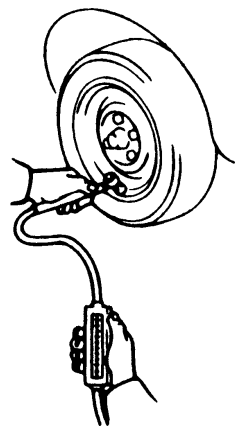
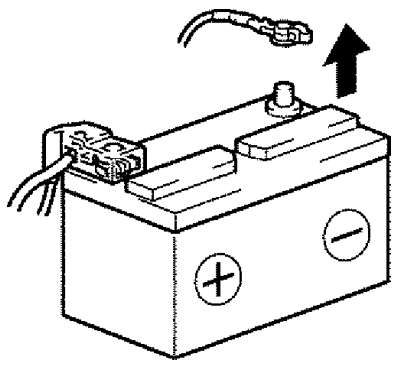
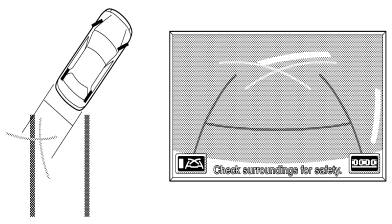
 **mm** *(in.)*	**A**	**127.7 to 137.7** *(5.03 to 5.42)*	**132.6 to 142.6** *(5.22 to 5.61)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C	⇧ **78.0** *(3.07)**1	⇧ **82.0** *(3.23)**1
		SAE J1703 or FMVSS No. 116 DOT3	
 **300 N** *(31 kgf, 67.5 lbf)*		**8 to 11**	
 **mm** *(in.)*	**A**	⇧ **1.0** *(0.0394)*	
	B	⇧ **22.0** *(0.866)*	⇧ **7.5** *(0.295)*
		**ZVW**	
 **A** **liters** *(US qts, Imp.qts)*		**3.4** *(3.6, 3.0)*	
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**50** *(510, 37)*	

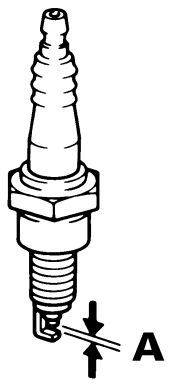
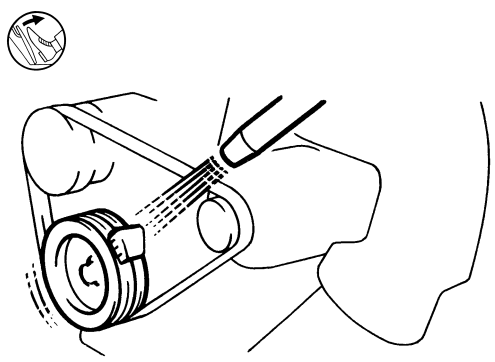
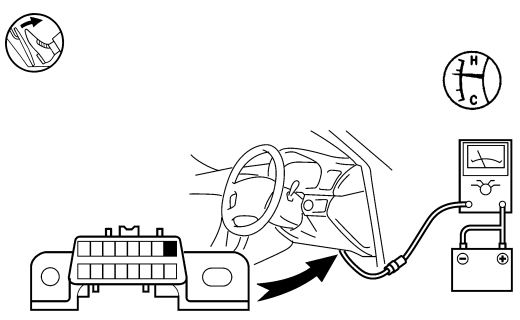
		ZVW	
 **N·m** *(kgf-cm, ft-lbf)*		**103** *(1050, 76)*	
		ZVW	
 **mm** *(in.)*		⇩ **30** *(1.18)*	
		Rough Road Package	Rough Road Package
	**A**	**-0°13'+/-45'** *(-0.22°+/-0.75°)**2 **-0°12'+/-45'** *(-0.20°+/-0.75°)**3	**-0°07'+/-45'** *(-0.12°+/-0.75°)* **-1°28'+/-30'** *(-1.47°+/-0.50°)**3	**-1°29'+/-30'** *(-1.48°+/-0.50°)*
	B	**12°15'** *(12.25°)**2 **12°10'** *(12.17°)**3	**11°52'** *(11.87°)*	-
	C	**5°53'+/-45'** *(5.88°+/-0.75°)**2 **5°51'+/-45'** *(5.85°+/-0.75°)**3	**5°40'+/-45'** *(5.67°+/-0.75°)*	-
	D	**37°22' +/-2°** *(37.37°+/-2°)**2 **37°26' +/-2°** *(37.43°+/-2°)**3	**37°42' +/-2°** *(37.70°+/-2°)*	-
	**E+F**	**0°12'+/-12'** *(0.20°+/-0.20°)*	**0°18'+/-12'** *(0.30°+/-0.20°)*	**0°17'+/-18'** *(0.28°+/-0.30°)**2 **0°15'+/-18'** *(0.25°+/-0.30°)**3	**0°10'+/-18'** *(0.17°+/-0.30°)*
	G-H **mm** *(in.)*	**2.0+/-2.0** *(0.0787+/-0.0787)*	**3.0+/-2.0** *(0.118+/-0.0787)*	**2.8+/-3.0** *(0.110+/-0.118)**2 **2.5+/-3.0** *(0.0984+/-0.118)**3	**1.7+/-3.0** *(0.0669+/-0.118)*
 **kPa** *(kgf/cm²*, *psi)*	**Europe Australia**	**250** *(2.5, 36)**2 **230** *(2.3, 33)**3	**240** *(2.4, 35)**2 **220** *(2.2, 32)**3
	Others	**220** *(2.2, 32)*	**220** *(2.2, 32)*

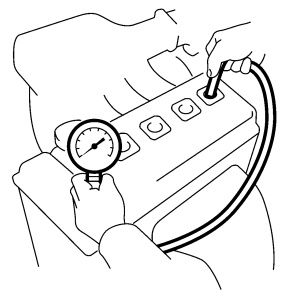
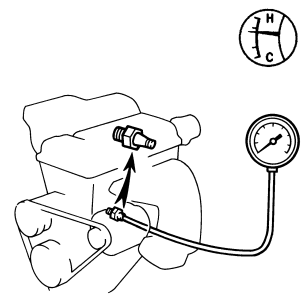
*1: When brake pedal is depressed with force of 196 N (20 kgf, 44.1 lbf) with the power switch on (READY). *2: Tire size: 195/65R15
*3: Tire size: 215/45R17

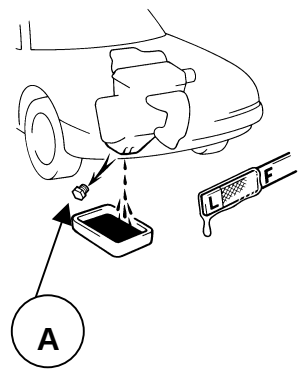
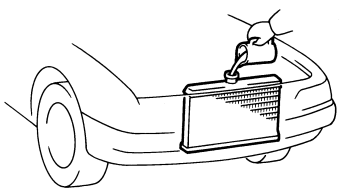
PRIUS

ZVW30 2009/04 – 2010/11

	ZVW
*1 	*2 

		2ZR-FXE
cm³ or cc *(cu.in.)*		**1798** *(109.7)*
	**DENSO**	**SC20HR11**
	A **mm** *(in.)*	**1.0 to 1.1** *(0.0394 to 0.0433)*
 **BTDC**		**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)
 **rpm**		**950 to 1050***3 (DLC3 Terminal 9 (TAC) Connected)

 **kPa** *(kgf/cm², psi)*		**813** *(8.3, 118)*
		⬆**617** *(6.3, 89.5)*
		⬇**100** *(1.0, 14.5)*
 **kPa** *(kgf/cm², psi)*		⬆**60** *(0.6, 8.7)**3
	2500 rpm	⬆**142** *(1.4, 21)**3

		2ZR-FXE
 **liters** *(US qts, Imp. qts)*		**3.9** *(4.1, 3.4)*
		4.2 *(4.4, 3.7)*
	20W-50 15W-40	**API grade SL or SM multigrade engine oil**
	10W-30 5W-30 5W-20 0W-20	**API grade SL "Energy-Conserving". SM "Energy-Conserving" or ILSAC* multigrade engine oil**
N·m *(kgf-cm, ft-lbf)*	**A**	**37** *(377, 27)*
 **liters** *(US qts, Imp. qts)*		**7.2** *(7.6, 6.3)**4 **6.5** *(6.8, 5.7)**5 **2.1** *(2.2, 1.8)**6

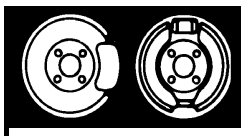
*: International Lubricant Standardization and Approval Committee

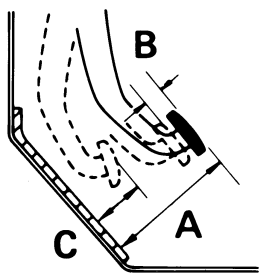
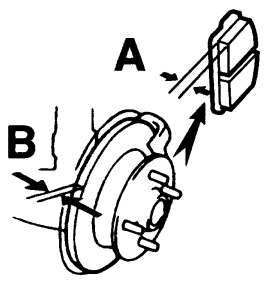
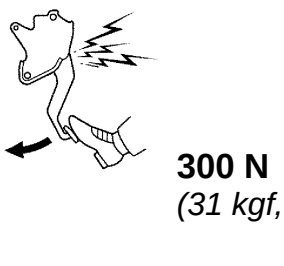
*1: Initialization required. Refer to the repair manual for the initialization procedures. *2: Intelligent Parking Assist System

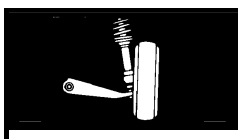
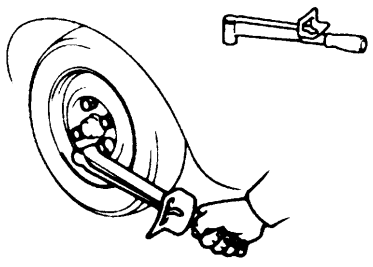
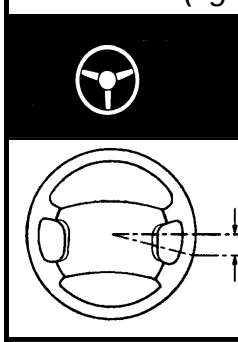
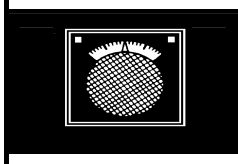
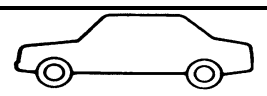
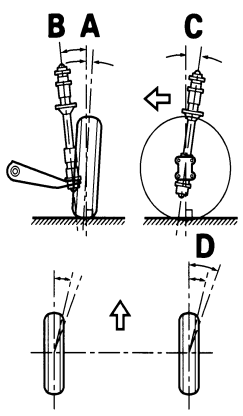
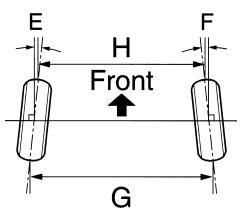
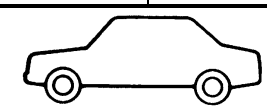
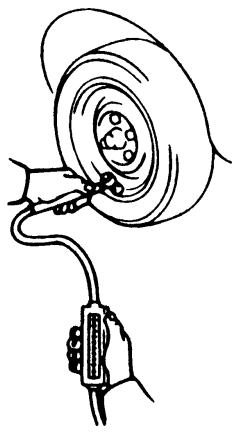
*3: Park Position, Inspection Mode *4: for Engine w/ Exhaust Heat Recirculation System *5: for Engine w/o Exhaust Heat Recirculation System

*6: for Inverter

TOYOTA MOTOR CORPORATION Technical Service Division



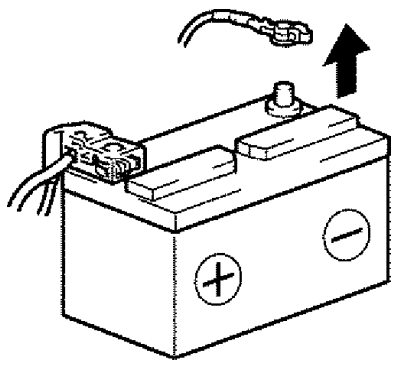
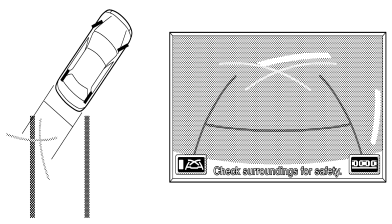
 **mm** *(in.)* 	**A**	**127.7 to 137.7** *(5.03 to 5.42)*	**132.6 to 142.6** *(5.22 to 5.61)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C	⇧ **78.0** *(3.07)**1	⇧ **82.0** *(3.23)**1
		SAE J1703 or FMVSS No. 116 DOT3	
300 N *(31 kgf, 67.5 lbf)*		**8 to 11**	
 **mm** *(in.)*	**A**	⇧ **1.0** *(0.0394)*	
	B	⇧ **22.0** *(0.866)*	⇧ **7.5** *(0.295)*
		ZVW	
 **liters** *(US qts, lmp.qts)*		**3.4** *(3.6, 3.0)*	
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**50** *(510, 37)*	

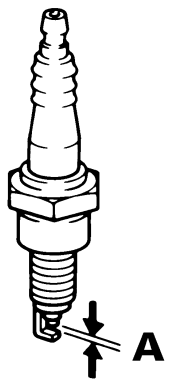
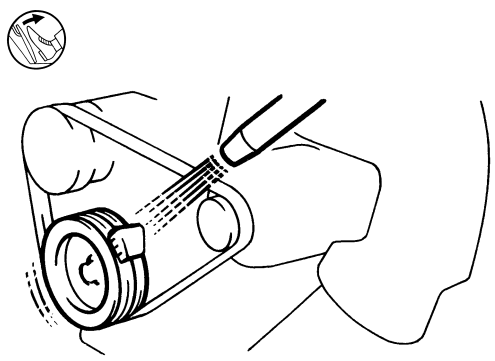
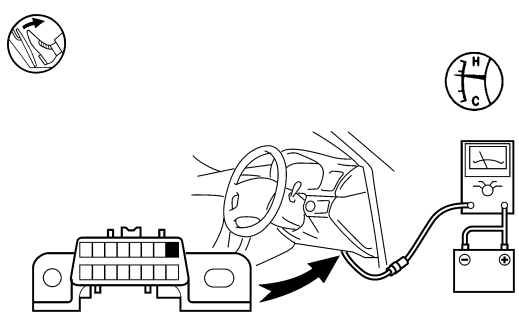
		**ZVW**		
 **N·m** *(kgf-cm, ft-lbf)*		**103** *(1050, 76)*		
		**ZVW**		
mm *(in.)*		⇩ **30** *(1.18)*		
		 Rough Road Package		Rough Road Package
	**A**	**-0°13'+/-45'** *(-0.22°+/-0.75°)**2 **-0°12'+/-45'** *(-0.20°+/-0.75°)**3	**-0°07'+/-45'** *(-0.12°+/-0.75°)*	**-1°29'+/-30'** *(-1.48°+/-0.50°)**2 **-1°28'+/-30'** *(-1.47°+/-0.50°)**3	**-1°29'+/-30'** *(-1.48°+/-0.50°)*
	B	**12°15'** *(12.25°)**2 **12°10'** *(12.17°)**3	**11°52'** *(11.87°)*	-	
	C	**5°53'+/-45'** *(5.88°+/-0.75°)**2 **5°51'+/-45'** *(5.85°+/-0.75°)**3	**5°40'+/-45'** *(5.67°+/-0.75°)*	-	
	D	**37°22' +/-2°** *(37.37°+/-2°)**2 **37°26' +/-2°** *(37.43°+/-2°)**3	**37°42' +/-2°** *(37.70°+/-2°)*	-	
	**E+F**	**0°12'+/-12'** *(0.20°+/-0.20°)*	**0°18'+/-12'** *(0.30°+/-0.20°)*	**0°17'+/-18'** *(0.28°+/-0.30°)**2 **0°15'+/-18'** *(0.25°+/-0.30°)**3	**0°10'+/-18'** *(0.17°+/-0.30°)*
	G-H **mm** *(in.)*	**2.0+/-2.0** *(0.0787+/-0.0787)*	**3.0+/-2.0** *(0.118+/-0.0787)*	**2.8+/-3.0** *(0.110+/-0.118)**2 **2.5+/-3.0** *(0.0984+/-0.118)**3	**1.7+/-3.0** *(0.0669+/-0.118)*
					
 **kPa** *(kgf/cm²*, *psi)*	**Europe Australia**	**250** *(2.5, 36)**2 **230** *(2.3, 33)**3		**240** *(2.4, 35)**2 **220** *(2.2, 32)**3	
	Others	**220** *(2.2, 32)**2 **230** *(2.3, 33)**3		**220** *(2.2, 32)**2*3	

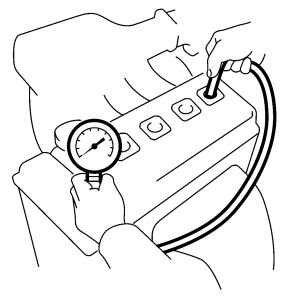
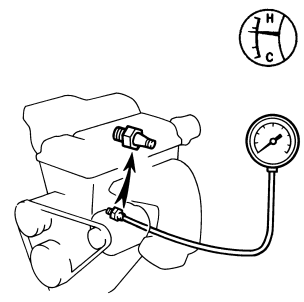
*1: When brake pedal is depressed with force of 196 N (20 kgf, 44.1 lbf) with the power switch on (READY). *2: Tire size: 195/65R15
*3: Tire size: 215/45R17

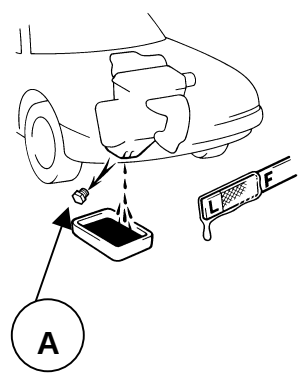
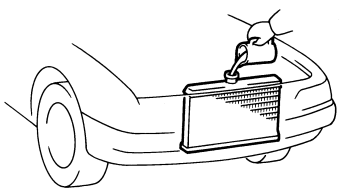
PRIUS

ZVW30 2010/11 – 2011/12

	ZVW
 *1	 *2

		2ZR-FXE
cm³ or cc *(cu.in.)*		**1798** *(109.7)*
	**DENSO**	**SC20HR11**
A	**A** **mm** *(in.)*	**1.0 to 1.1** *(0.0394 to 0.0433)*
 **BTDC**		**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)
 **rpm**		**950 to 1050***3 (DLC3 Terminal 9 (TAC) Connected)

 **kPa** *(kgf/cm², psi)*		**813** *(8.3, 118)*
		⬆**617** *(6.3, 89.5)*
		⬇**100** *(1.0, 14.5)*
 **kPa** *(kgf/cm², psi)*		⬆**60** *(0.6, 8.7)**3
	2500 rpm	⬆**142** *(1.4, 21)**3

	2ZR-FXE	
 **liters** *(US qts, Imp. qts)*		**3.9** *(4.1, 3.4)*
		4.2 *(4.4, 3.7)*
	20W-50 15W-40	**API grade SL or SM multigrade engine oil**
	10W-30 5W-30 5W-20 0W-20	**API grade SL "Energy-Conserving". SM "Energy-Conserving" or ILSAC* multigrade engine oil**
N·m *(kgf-cm, ft-lbf)*	**A**	**37** *(377, 27)*
 **liters** *(US qts, Imp. qts)*		**7.2** *(7.6, 6.3)**4 **6.5** *(6.8, 5.7)**5 **2.1** *(2.2, 1.8)**6

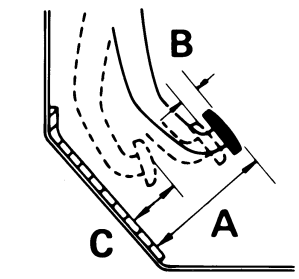
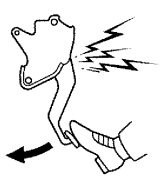
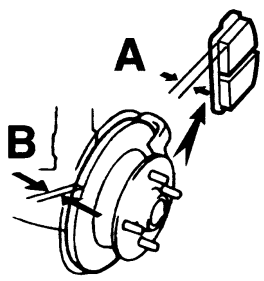
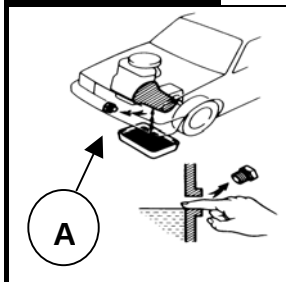
*ILSAC: International Lubricant Standardization and Approval Committee

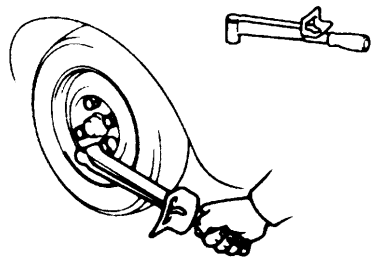
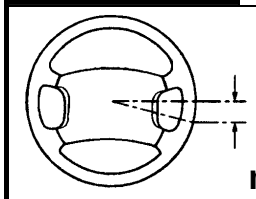
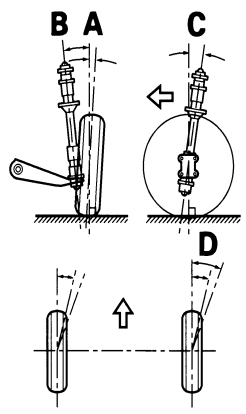
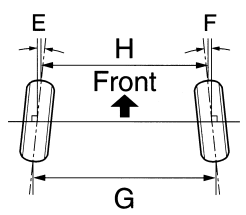
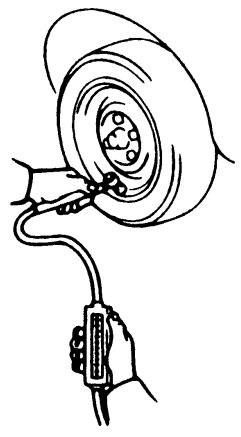
*1: Initialization required. Refer to the repair manual for the initialization procedures. *2: Intelligent Parking Assist System

*3: Park Position, Inspection Mode *4: for Engine w/ Exhaust Heat Recirculation System *5: for Engine w/o Exhaust Heat Recirculation System

*6: for Inverter

TOYOTA MOTOR CORPORATION Technical Service Division

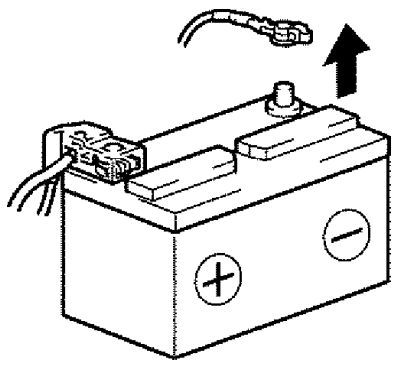
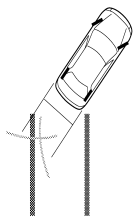
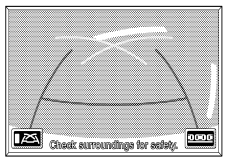
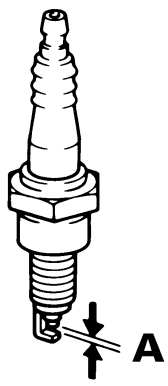
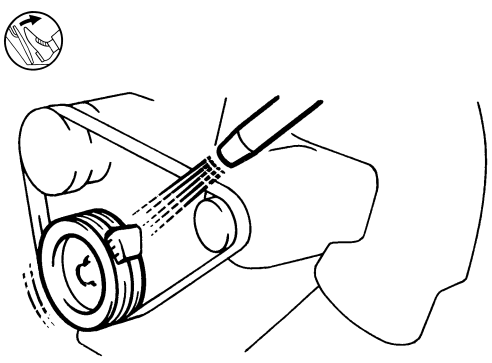
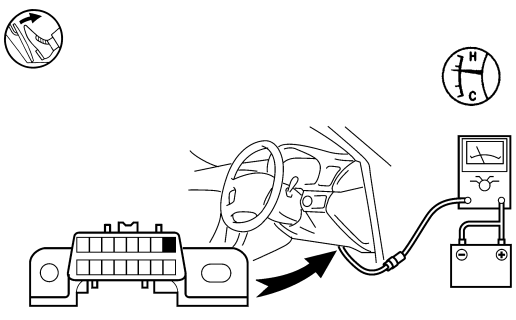
 **mm** *(in.)*	**A**	**126.8 to 136.8** *(4.99 to 5.38)*	**131.3 to 141.3** *(5.17 to 5.56)*
	B	**1.0 to 6.0** *(0.0394 to 0.236)*	
	C	⇧ **77.0** *(3.03)**1	⇧ **80.0** *(3.15)**1
		SAE J1703 or FMVSS No. 116 DOT3	
 **300 N** *(31 kgf, 67.5 lbf)*		**8 to 11**	
 **mm** *(in.)*	**A**	⇧ **1.0** *(0.0394)*	
	B	⇧ **22.0** *(0.866)*	⇧ **7.5** *(0.295)*
		ZVW	
 **liters** *(US qts, lmp.qts)*		**3.4** *(3.6, 3.0)*	
		Toyota Genuine ATF WS	
N·m *(kgf-cm, ft-lbf)*	**A**	**50** *(510, 37)*	

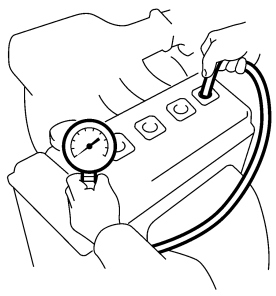
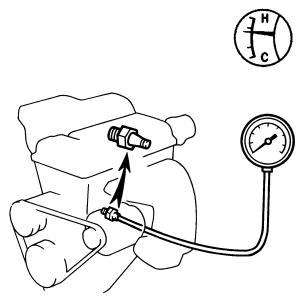
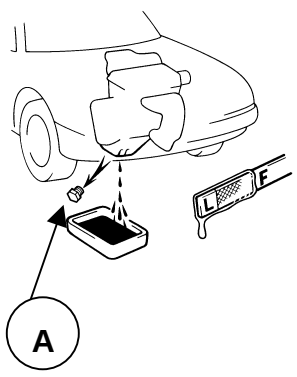
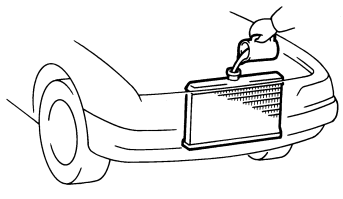
		ZVW		
 **N·m** *(kgf-cm, ft-lbf)*		**103** *(1050, 76)*		
		ZVW		
 **mm** *(in.)*		⇩ **30** *(1.18)*		
		Rough Road Package		Rough Road Package
	**A**	**-0°13'+/-45'** *(-0.22°+/-0.75')**2 **-0°12'+/-45'** *(-0.20°+/-0.75')**3	**-0°07'+/-45'** *(-0.12°+/-0.75')*	**-1°29'+/-30'** *(-1.48°+/-0.50')**2 **-1°28'+/-30'** *(-1.47°+/-0.50')**3	**-1°29'+/-30'** *(-1.48°+/-0.50')*
	B	**12°15'** *(12.25')**2 **12°10'** *(12.17')**3	**11°52'** *(11.87')*	-	
	C	**5°53'+/-45'** *(5.88°+/-0.75')**2 **5°51'+/-45'** *(5.85°+/-0.75')**3	**5°40'+/-45'** *(5.67°+/-0.75')*	-	
	D	**37°22' +/-2°** *(37.37°+/-2°)**2 **37°26' +/-2°** *(37.43°+/-2°)**3	**37°42' +/-2°** *(37.70°+/-2°)*	-	
	**E+F**	**0°12'+/-12'** *(0.20°+/-0.20')*	**0°18'+/-12'** *(0.30°+/-0.20')*	**0°17'+/-18'** *(0.28°+/-0.30')**2 **0°15'+/-18'** *(0.25°+/-0.30')**3	**0°10'+/-18'** *(0.17°+/-0.30')*
	G-H **mm** *(in.)*	**2.0+/-2.0** *(0.0787+/-0.0787)*	**3.0+/-2.0** *(0.118+/-0.0787)*	**2.8+/-3.0** *(0.110+/-0.118)**2 **2.5+/-3.0** *(0.0984+/-0.118)**3	**1.7+/-3.0** *(0.0669+/-0.118)*
 **kPa** *(kgf/cm²*, *psi)*	**Europe Australia**	**250** *(2.5, 36)**2 **230** *(2.3, 33)**3		**240** *(2.4, 35)**2 **220** *(2.2, 32)**3	
	Others	**220** *(2.2, 32)**2 **230** *(2.3, 33)**3		**220** *(2.2, 32)**2*3	

*1: When brake pedal is depressed with force of 196 N (20 kgf, 44.1 lbf) with the power switch on (READY). *2: Tire size: 195/65R15
*3: Tire size: 215/45R17

PRIUS

ZVW30 2011/12 –

	ZVW
*1 	*2  
	2ZR-FXE
cm³ or cc *(cu.in.)*	**1798** *(109.7)*
	**DENSO** **SC20HR11**
A **mm** *(in.)*	**1.0 to 1.1** *(0.0394 to 0.0433)*
 **BTDC**	**8 to 12°** (DLC3 Terminals 13 (TC) – 4 (CG) Connected)
 **rpm**	**950 to 1050***3 (DLC3 Terminal 9 (TAC) Connected)

 **kPa** *(kgf/cm², psi)*		**813** *(8.3, 118)*
		⬆**617** *(6.3, 89.5)*
		⬇**100** *(1.0, 14.5)*
 **kPa** *(kgf/cm², psi)*		⬆**60** *(0.6, 8.7)**3
	2500 rpm	⬆**142** *(1.4, 21)**3
		2ZR-FXE
 **liters** *(US qts, Imp. qts)*		**3.9** *(4.1, 3.4)*
		4.2 *(4.4, 3.7)*
	0W-20 5W-30 10W-30	**API grade SL "energy-conserving", SM "energy-conserving", SN "resource-conserving" or ILSAC* multigrade engine oil**
	15W-40 20W-50	**API grade SL, SM or SN multigrade engine oil**
N·m *(kgf-cm, ft-lbf)*	**A**	**37** *(377, 27)*
 **liters** *(US qts, Imp. qts)*		**7.2** *(7.6, 6.3)**4 **6.5** *(6.8, 5.7)**5 **2.1** *(2.2, 1.8)**6

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