

	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		
mm (in.)		SAE J1703 or FMVSS No. 116 DOT3	
		8 to 11	
mm (in.)	A		
	B		
ZVW		3.4 (3.6, 3.0)	
liters (US qts, Imp. qts)		Toyota Genuine ATF WS	
N·m (kgf·cm, ft·lbf)		A 50 (510, 37)	

*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

		ZVW	
		103 (1050, 76)	
N·m (kgf·cm, ft·lb)			
		ZVW	
		30 (1.18)	
mm (in.)			
	A	-0°13'±1.45° (-0.22°±0.75°)	-1°29'±1.30° (-1.48°±0.50°)
		-0°12'±1.45° (-0.20°±0.75°)	-1°28'±1.30° (-1.47°±0.50°)
	B	12°15' (12.25°)	11°52' (11.87°)
	C	5°53'±1.45° (5.88°±0.75°)	5°40'±1.45° (5.67°±0.75°)
		5°51'±1.45° (5.85°±0.75°)	-
	D	37°22'±1.2° (37.37°±1.2°)	37°42'±1.2° (37.70°±1.2°)
		37°26'±1.2° (37.43°±1.2°)	-
		E+F	0°12'±1.12° (0.20°±0.20°)
G-H		2.8±1.3.0 (0.070°±0.078°)	1.7±1.3.0 (0.040°±0.118°)
mm (in.)		2.8±1.3.0 (0.110±0.118°)	
3.0±1.20 (0.118°±0.078°)			
	Europe Australia	250 (2.5, 36)*2	240 (2.4, 35)*2
		230 (2.3, 33)*3	220 (2.2, 32)*3
	Others	220 (2.2, 32)	220 (2.2, 32)
kPa (kgf/cm², psi)			

power switch on (READY)

*2: Tire size: 105/65R15

*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

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

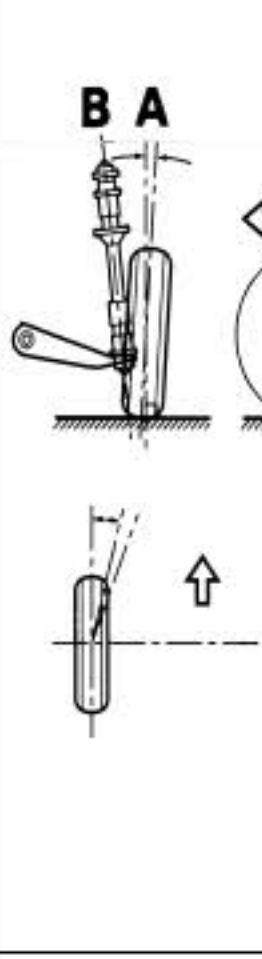
*1: International Lubricant Standardization and Approval Committee
*2: Intelligent Parking Assist System
*3: Park Position, Inspection Mode *4: for Engine w/ Exhaust Heat Recirculation System *5: for Engine w/o Exhaust Heat Recirculation System
*6: for Inverter

TOYOTA MOTOR CORPORATION Technical Service Division

		ZVW
		813 (8.3, 118)
		617 (6.3, 89.5)
		100 (1.0, 14.5)
		60 (0.6, 8.7)*3
		2500 rpm
		142 (1.4, 21)*3
kPa (kgf/cm², psi)		
		2ZR-FXE
		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-20 0W-20
		API grade SL "Energy-Conserving", SM "Energy-Conserving", or ILSAC multigrade engine oil
		A 37 (377, 27)
		7.2 (7.6, 6.3)*4 6.5 (6.8, 5.7)*5 2.1 (2.2, 1.8)*6
		liters (US qts, Imp. qts)

*1: International Lubricant Standardization and Approval Committee
*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

		ZVW		
		103 (1050, 76)		
N·m (kgf·cm, ft·lbf)				
		ZVW		
		 30 (1.18)		
mm (in.)				
				
	A	0°13'±1.45° (0.22°±0.75°) 0°12'±1.45° (0.20°±0.75°)	0°07'±1.45° (0.12°±0.75°) -1°28'±1.30° (-1.47°±0.50°)	
	B	12°15' (12.25°) 12°10' (12.17°)	11°52' (11.87°)	
	C	5°53'±1.45° (5.88°±0.75°) 5°51'±1.45° (5.85°±0.75°)	5°40'±1.45° (5.67°±0.75°)	
	D	37°22'±1.2° (37.37°±1.2°) 37°26'±1.2° (37.43°±1.2°)	37°42'±1.2° (37.70°±1.2°)	
	E+F	0°12'±1.12° (0.20°±0.20°)	0°17'±1.18° (0.28°±0.30°) 0°15'±1.18° (0.25°±0.30°)	
	G-H	2.0±1.2.0 (0.076±0.076)	0°10'±1.18° (0.17°±0.30°)	
	G-H	2.0±1.2.0 (0.076±0.076)	3.0±1.2.0 (0.119±0.076)	
	G-H	2.8±1.3.0 (0.110±0.118°) 2.5±1.3.0 (0.098±0.118°)	1.7±1.3.0 (0.069±0.118°)	
				
		Europe Australia	250 (2.5, 36)°2 230 (2.3, 33)°3	240 (2.4, 35)°2 220 (2.2, 32)°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

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

*1: International Lubricant Standardization and Approval Committee
*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

		ZVW
		813 (8.3, 118)
		617 (6.3, 89.5)
		100 (1.0, 14.5)
		60 (0.6, 8.7)*3
		2500 rpm
		142 (1.4, 21)*3
kPa (kgf/cm², psi)		
		2ZR-FXE
		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-20 0W-20
		API grade SL "Energy-Conserving", SM "Energy-Conserving", or ILSAC multigrade engine oil
		A 37 (377, 27)
		7.2 (7.6, 6.3)*4 6.5 (6.8, 5.7)*5 2.1 (2.2, 1.8)*6
		liters (US qts, Imp. qts)

*1: International Lubricant Standardization and Approval Committee
*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

		ZVW
		126.8 to 136.8 (4.99 to 5.38)
		131.3 to 141.3 (5.17 to 5.61)
		1.0 to 6.0 (0.0394 to 0.236)
		77.0 (3.03)*1
		80.0 (3.15)*1
mm (in.)		
		SAE J1703 or FMVSS No. 116 DOT3
		8 to 11
mm (in.)	A	
	B	
ZVW		3.4 (3.6, 3.0)
liters (US qts, Imp. qts)		Toyota Genuine ATF WS
N·m (kgf·cm, ft·lbf)		A 50 (510, 37)

*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

		ZVW	
		103 (1050, 76)	
N·m (kgf·cm, ft·lbf)			
		ZVW	
		30 (1.18)	
mm (in.)			
		Rough Road Package	Rough Road Package
	A	0°13'±1.45° (0.22°±0.75°) 0°12'±1.45° (0.20°±0.75°)	-1°29'±1.30° (-1.48°±0.50°) -1°28'±1.30° (-1.47°±0.50°)
	B	12°15' (12.25°) 12°10' (12.17°)	11°52' (11.87°)
	C	5°53'±1.45° (5.88°±0.75°) 5°51'±1.45° (5.85°±0.75°)	-
	D	37°22'±1.2° (37.37°±2°) 37°26'±1.2° (37.43°±2°)	-
	E+F	0°12'±1.12° (0.20°±0.20°)	0°18'±1.12° (0.30°±0.20°)
	G-H	2.0±1.2.0 (0.078±0.078)	2.8±1.3.0 (0.110±0.118°) 2.5±1.3.0 (0.098±0.118°)
	mm (in.)		0°10'±1.18° (0.177±0.30°)
			1.7±1.3.0 (0.068±0.118°)

*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

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

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TOYOTA MOTOR CORPORATION Technical Service Division

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

*1: International Lubricant Standardization and Approval Committee
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