




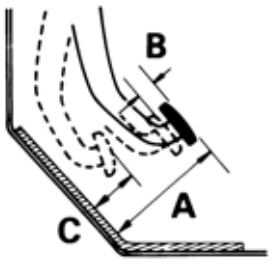










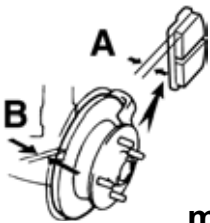





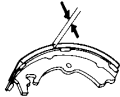




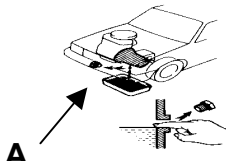

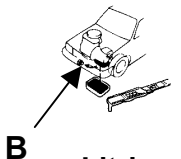

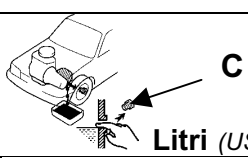
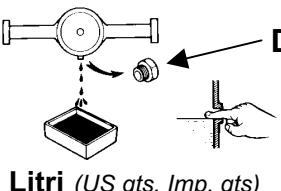
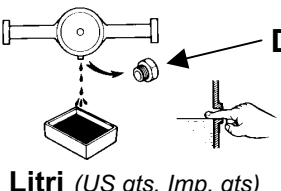

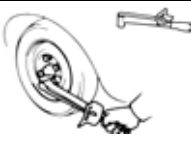

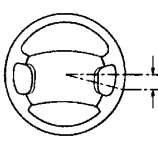

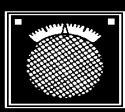

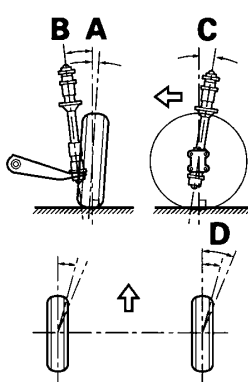
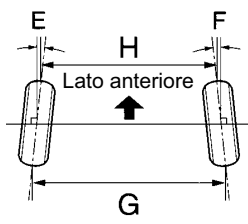

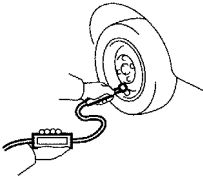

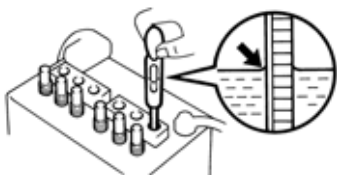

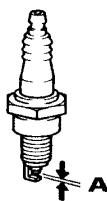
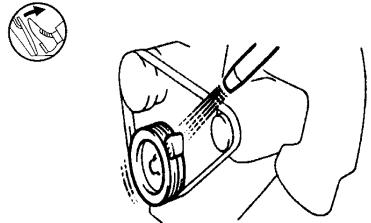
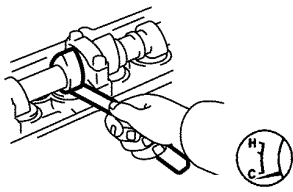


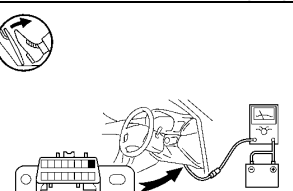
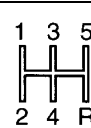
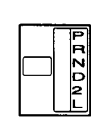




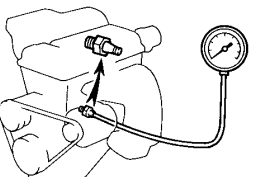




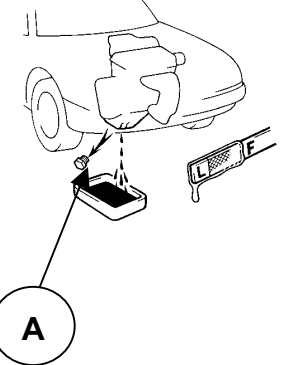
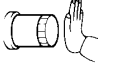
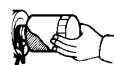
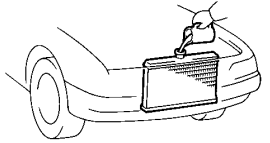
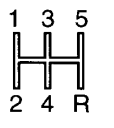
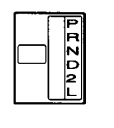
 mm (in.) 	<b>A</b>	<sup>*1</sup> <b>162.9 - 172.9</b> (6.413 - 6.807)	<sup>*1</sup> <b>195.5 - 205.5</b> (7.697 - 8.091)	
		<sup>*2</sup> <b>173.3 - 183.3</b> (6.823 - 7.217)	<sup>*2</sup> <b>207.4 - 217.4</b> (8.165 - 8.559)	
	<b>B</b>	<b>1 - 5</b> (0.039 - 0.197)		
	<b>C</b>	 <b>25</b> (0.98)		
		SAE J1703 o FMVSS No. 116 DOT3		
				
 mm (in.) 	<b>A</b>	<b>184.2 - 194.2</b> (7.252 - 7.646)	<b>168.6 - 178.6</b> (6.638 - 7.031)	
	<b>B</b>	<b>1 - 6</b> (0.039 - 0.236)		
	<b>C</b> <sup>*3</sup>	<sup>*1*4</sup>  <b>90</b> (3.54)	<sup>*1*4</sup>  <b>80</b> (3.15)	
		<sup>*1*5</sup>  <b>115</b> (4.53)	<sup>*1*5</sup>  <b>105</b> (4.13)	
		<sup>*2*4</sup>  <b>95</b> (3.74)	<sup>*2*4</sup>  <b>85</b> (3.34)	
		<sup>*2*5</sup>  <b>120</b> (4.72)	<sup>*2*5</sup>  <b>110</b> (4.32)	
		SAE J1703 o FMVSS No. 116 DOT3		
<b>196 N</b> (20 kgf, 44.1 lbf) 		<b>7 - 9</b>		
 mm (in.)				
		<b>A</b>	 <b>1.0</b> (0.039)	
		<b>B</b>	<sup>*6</sup>  <b>22.0</b> (0.866) <sup>*7</sup>  <b>25.0</b> (0.984)	 <b>10.5</b> (0.413)
 mm (in.)		 <b>1.0</b> (0.039)		
 mm (in.)		 <b>173.0</b> (6.811)		
		<b>ACA</b>		
 <b>A</b> Litri (US qts, Imp. qts)		<b>2WD</b>	<b>4WD</b>	
		<b>2.5</b> (2.6, 2.2)		
		<b>API GL-4 o GL-5</b> <b>SAE 75W-90</b>		
 <b>B</b> Litri (US qts, Imp. qts)		<b>3.5</b> (3.7, 3.1)		
		<b>ATF WS originale Toyota</b>		
 <b>C</b> Litri (US qts, Imp. qts)		<b>0.45</b> (0.48, 0.40)		
 Litri (US qts, Imp. qts)  <b>N·m (kgf·cm, ft·lbf)</b>	 <b>D</b>	-	<b>0.45 - 0.55</b> (0.48 - 0.58, 0.4 - 0.48)	
		-	<b>API GL-5</b> <b>SAE 90</b>	
		<b>A</b>	-	<b>49</b> (500, 36)
		<b>B</b>	-	<b>47</b> (479, 35)
		<b>C</b>	-	<b>39</b> (398, 29)
		<b>D</b>	-	<b>39</b> (398, 29)

		ACA		
 N·m (kgf·cm, ft·lbf)		103 (1,050, 76)		
		ACA		
 mm (in.)		 30 (1.18)		
				
	A	Solo per l'Europa 215/70R16	-0°08' ± 45' (-0.13° ± 0.75°)	-0°58' ± 45' (-0.97° ± 0.75°) 45' (0.75°) o meno
		225/65R17 235/55R18	-0°11' ± 45' (-0.18 ± 0.75°)	-1°07' ± 45' (-1.12° ± 0.75°) 45' (0.75°) o meno
		Australia	-0°07' ± 45' (-0.12° ± 0.75°)	-0°52' ± 45' (-0.87° ± 0.75°) 45' (0.75°) o meno
	B	Solo per l'Europa 215/70R16	11°16' ± 45' (11.27° ± 0.75°)	-
		225/65R17 235/55R18	11°26' ± 45' (11.44° ± 0.75°)	-
		Australia	11°14' ± 45' (11.23° ± 0.75°)	-
	C	Solo per l'Europa 215/70R16	5°41' ± 45' (5.68° ± 0.75°)	-
		225/65R17 235/55R18	5°47' ± 45' (5.78° ± 0.75°)	-
		Australia	5°42' ± 45' (5.70° ± 0.75°)	-
	D	Solo per l'Europa 215/70R16	38°55' ± 2° (38.9° ± 2°)	-
		225/65R17	38°44' ± 2° (38.7° ± 2°)	-
		235/55R18	35°50' ± 2° (35.8° ± 2°)	-
		Australia	38°58' ± 2° (39.0° ± 2°)	-
	E+F		0°05' ± 10' (0.08° ± 0.17°)	0°11' ± 10' (0.18° ± 0.17°)
	G-H mm (in.)		1.0 ± 2 (0.04 ± 0.08)	2.3 ± 1 (0.09 ± 0.04)
		ACA		
 kPa (kgf/cm², psi)		220 (2.2, 32)		




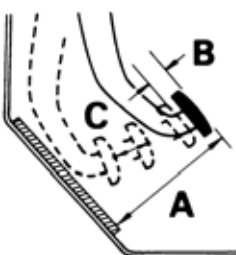





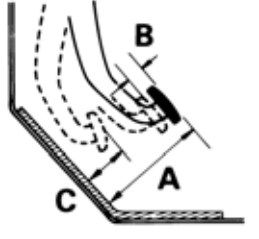





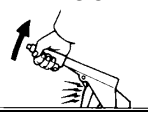
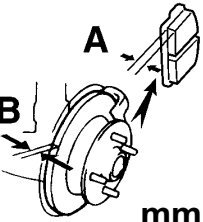









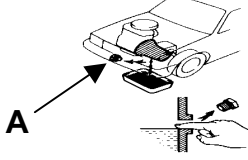
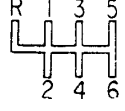
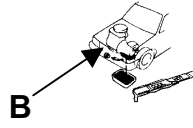


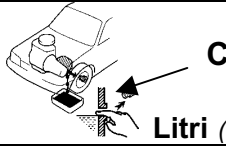
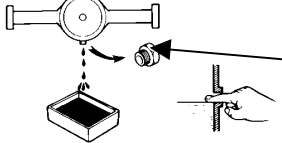
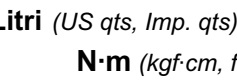
<sup>\*1</sup>1AZ-FE    <sup>\*2</sup>2AZ-FE    <sup>\*3</sup> Quando il pedale del freno è premuto con una forza di 490 N (50 kgf, 110 lbf) mentre il motore è in moto.    <sup>\*4</sup> senza VSC

<sup>\*5</sup> con VSC    <sup>\*6</sup> Disco 15 pollici    <sup>\*7</sup> Disco 16 pollici

		ACA	
 20°C (68°F)		1.25 - 1.29	
		1AZ-FE	2AZ-FE
cm <sup>3</sup> o cc (cu. in.)		1,998 (121.9)	2,362 (144.1)
 A	DENSO	SK20R11	
	NGK	IFR6A11	
	A mm (in.)	1.1 (0.043)	
 BTDC		8 - 12° (Terminali 13 (TC) - 4 (CG) del DLC3 collegati)	
 mm (in.)		0.21 - 0.27 (0.0083 - 0.0106)	0.21 - 0.27 (0.0083 - 0.0106)
		0.30 - 0.40 (0.0118 - 0.0157)	0.38 - 0.48 (0.0150 - 0.0189)
 giri/min		650 - 750	600 - 700
		610 - 710	
 kPa (kgf/cm <sup>2</sup> , psi)		1,300 (13.8, 196)	
		1,000 (10, 142)	
		100 (1.0, 14)	

 kPa (kgf/cm <sup>2</sup> , psi)		 29 (0.3, 4.3)	
3,000 giri/min		 245 - 539 (2.5 - 5.5, 36 - 78)	 160 - 539 (1.6 - 5.5, 23 - 78)
		1AZ-FE	2AZ-FE
 A  Litri (US qts, Imp. qts)		3.6 (3.8, 3.2)	4.1 (4.3, 3.6)
		3.8 (4.0, 3.3)	4.3 (4.5, 3.8)
	20W-50 e 15W-40: olio motore multigrado gradazione API SL o SM 10W-30 e 5W-30: Gradazione API SL “Energy-Conserving”, SM “Energy-Conserving” o olio motore multigrado ILSAC* <sup>1</sup>		
N·m (kgf·cm, ft·lbf)		A	40 (408, 30)
 Litri (US qts, Imp. qts)		6.3 (6.7, 5.5)	6.6 (7.0, 5.9)
		6.4 (6.8, 5.6)	6.5 (6.9, 5.7)

\*<sup>1</sup> ILASAC : Commissione internazionale di accettazione degli standard dei lubrificanti

			
	A	176.5 - 186.5 (6.949 - 7.343)	211.1 - 221.1 (8.311 - 8.705)
	B	1 - 5 (0.039 - 0.197)	
	C	 25 (0.98)	
mm (in.) 		SAE J1703 o FMVSS No. 116 DOT3	
			
	A	184.2 - 194.2 (7.252 - 7.646)	168.6 - 178.6 (6.638 - 7.031)
	B	1 - 6 (0.04 - 0.24)	
	C*1	*2  75 (2.95) *3  110 (4.33)	*2  70 (2.75) *3  100 (3.93)
mm (in.) 		SAE J1703 o FMVSS No. 116 DOT3	
		196 N (20 kgf, 44.1 lbf)	
			
mm (in.)	A	 1.0 (0.039)	
	B	 25.0 (0.984)	 10.5 (0.413)
		 1.0 (0.039)	
		 173.0 (6.811)	
		ALA	
			
Litri (US qts, Imp. qts)		2.1 (2.2, 1.8)	
		API GL-5 SAE 75W	
		0.45 (0.48, 0.40)	
		GL-5 SAE 80W-90	
		0.45 (0.48, 0.40)	
		0.45 - 0.55 (0.48 - 0.58, 0.4 - 0.48)	
		API GL-5 SAE 90	
Litri (US qts, Imp. qts) N·m (kgf·cm, ft·lbf)	A	39 (398, 29)	
	B		
	C		
	D		

		ALA		
		103 (1,050, 76)		
N·m (kgf·cm, ft·lbf)				
		ALA		
		30 (1.18)		
	A	Solo per l'Europa 215/70R16	-0°08' ± 45' (-0.13° ± 0.75°)	-0°58' ± 45' (-0.97° ± 0.75°) 45' (0.75°) o meno
		225/65R17 235/55R18	-0°11' ± 45' (-0.18 ± 0.75°)	-1°07' ± 45' (-1.12° ± 0.75°) 45' (0.75°) o meno
	B	Solo per l'Europa 215/70R16	11°16' ± 45' (11.27° ± 0.75°)	-
		225/65R17 235/55R18	11°26' ± 45' (11.44° ± 0.75°)	-
	C	Solo per l'Europa 215/70R16	5°41' ± 45' (5.68° ± 0.75°)	-
		225/65R17 235/55R18	5°47' ± 45' (5.78° ± 0.75°)	-
	D	Solo per l'Europa 215/70R16	38°55' ± 2° (38.9° ± 2°)	-
		225/65R17	38°44' ± 2° (38.7° ± 2°)	-
		235/55R18	35°50' ± 2° (35.8° ± 2°)	-
	E+F		0°05' ± 10' (0.08° ± 0.17°)	0°11' ± 10' (0.18° ± 0.17°)
	G-H mm (in.)		1.0 ± 2 (0.04 ± 0.08)	2.3 ± 1 (0.09 ± 0.04)
			ALA	
		220 (2.2, 32)		
kPa (kgf/cm <sup>2</sup> , psi)				

\*1 Quando il pedale del freno è premuto con una forza di 490 N (50 kgf, 110 lbf) mentre il motore è in moto.

\*2 senza VSC




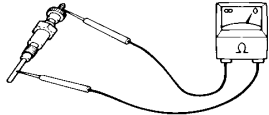
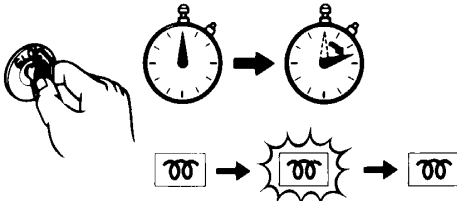
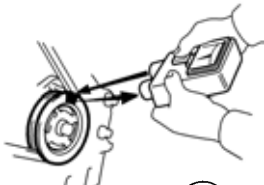





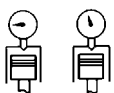
\*3 con VSC

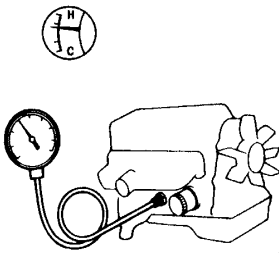


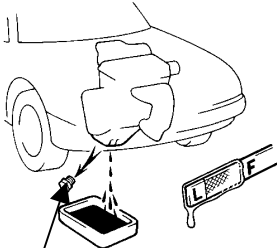


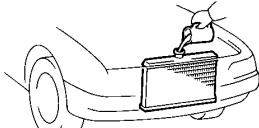
RAV4

Diesel

ALA30

2005/11 - 2007/1

		ALA	
 <div>20°C (68°F)</div>		1.25 - 1.29	
 <div>cm<sup>3</sup> o cc (cu. in.)</div>		2AD-FTV	2AD-FHV
		2231 (136.1)	
 <div>ohm</div>		0.96	0.95
 <div>sec.</div>		-20°C (-4°F): 10 - 12	-20°C (-4°F): 10 - 12
		-15°C (5°F): 6 - 7.2	-15°C (5°F): 5.0 - 6.0
		15°C (59°F): 0.46 - 2.4	0°C (32°F): 3.0 - 4.0
		32°C (90°F): 0.46	35°C (95°F): 0.4 - 1.0
 <div>giri/min</div>		750 - 850	
		5,100 - 5,250	
 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		2,700 (27.5, 391)	
		2,200 (22.5, 320)	
		500 (5.0, 71)	

 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		 <div>29 (0.3, 4.3)</div>
		4,500 giri/min
		245 (2.5, 36)
		ALA
 <div>A</div> <div>Litri (US qts, Imp. qts)</div>		5.5 (5.8, 4.8)
		5.9 (6.2, 5.2)
	Classificazione G-DLD-1 o API CF-4, CF (può essere usato anche API CE o API CD)	
	<div>A</div> <div>N·m (kgf·cm, ft·lbf)</div>	38 (387, 28)
 <div>Litri (US qts, Imp. qts)</div>	Senza riscaldatore elettrico	7.3 (7.7, 6.4)
	Con riscaldatore elettrico	7.7 (8.1, 6.8)

	A	*1 <b>162.9 - 172.9</b> (6.413 - 6.807)	*1 <b>195.5 - 205.5</b> (7.697 - 8.091)	
		*2 <b>173.3 - 183.3</b> (6.823 - 7.217)	*2 <b>207.4 - 217.4</b> (8.165 - 8.559)	
	B	<b>1 - 5</b> (0.039 - 0.197)		
	C	<b>25</b> (0.98)		
mm (in.)		SAE J1703 o FMVSS No. 116 DOT3		
	A	<b>184.2 - 194.2</b> (7.252 - 7.646)	<b>168.6 - 178.6</b> (6.638 - 7.031)	
	B	<b>1 - 6</b> (0.039 - 0.236)		
	C*3	*1*4 <b>90</b> (3.54) *1*5 <b>115</b> (4.53) *2*4 <b>95</b> (3.74) *2*5 <b>120</b> (4.72)	*1*4 <b>80</b> (3.15) *1*5 <b>105</b> (4.13) *2*4 <b>85</b> (3.34) *2*5 <b>110</b> (4.32)	
		SAE J1703 o FMVSS No. 116 DOT3		
<b>196 N</b> (20 kgf, 44.1 lbf)		<b>7 - 9</b>		
mm (in.)	A	<b>1.0</b> (0.039)		
	B	*6 <b>22.0</b> (0.866) *7 <b>25.0</b> (0.984)	<b>10.5</b> (0.413)	
		<b>1.0</b> (0.039)		
		<b>173.0</b> (6.811)		
		ACA		
		<b>2WD</b>	<b>4WD</b>	
		<b>2.5</b> (2.6, 2.2)		
Litri (US qts, Imp. qts)		API GL-4 o GL-5 SAE 75W-90		
		<b>3.5</b> (3.7, 3.1)		
		ATF WS originale Toyota		
		<b>0.45</b> (0.48, 0.40)		
	Litri (US qts, Imp. qts)	-	<b>0.45 - 0.55</b> (0.48 - 0.58, 0.4 - 0.48)	
		-	API GL-5 SAE 90	
	A	-	<b>49</b> (500, 36)	
	B	-	<b>47</b> (479, 35)	
	C	-	<b>39</b> (398, 29)	
	D	-	<b>39</b> (398, 29)	
N·m (kgf·cm, ft·lbf)				

		ACA			
		103 (1,050, 76)			
N·m (kgf·cm, ft·lbf)					
		ACA			
	A	Solo per l'Europa 215/70R16	-0°08' ± 45' (-0.13° ± 0.75°)	-0°58' ± 45' (-0.97° ± 0.75°) 45' (0.75°) o meno	
		225/65R17 235/55R18	-0°11' ± 45' (-0.18 ± 0.75°)	-1°07' ± 45' (-1.12° ± 0.75°) 45' (0.75°) o meno	
		Australia	-0°07' ± 45' (-0.12° ± 0.75°)	-0°52' ± 45' (-0.87° ± 0.75°) 45' (0.75°) o meno	
	B	Solo per l'Europa 215/70R16	11°16' ± 45' (11.27° ± 0.75°)	-	
		225/65R17 235/55R18	11°26' ± 45' (11.44° ± 0.75°)	-	
		Australia	11°14' ± 45' (11.23° ± 0.75°)	-	
	C	Solo per l'Europa 215/70R16	5°41' ± 45' (5.68° ± 0.75°)	-	
		225/65R17 235/55R18	5°47' ± 45' (5.78° ± 0.75°)	-	
		Australia	5°42' ± 45' (5.70° ± 0.75°)	-	
	D	Solo per l'Europa 215/70R16	38°55' ± 2° (38.9° ± 2°)	-	
		225/65R17	38°44' ± 2° (38.7° ± 2°)	-	
		235/55R18	35°50' ± 2° (35.8° ± 2°)	-	
		Australia	38°58' ± 2° (39.0° ± 2°)	-	
		E+F		0°05' ± 10' (0.08° ± 0.17°)	0°11' ± 10' (0.18° ± 0.17°)
		G-H mm (in.)		1.0 ± 2 (0.04 ± 0.08)	2.3 ± 1 (0.09 ± 0.04)
		ACA			
		220 (2.2, 32)			
kPa (kgf/cm², psi)					

\*1 1AZ-FE

\*2 2AZ-FE


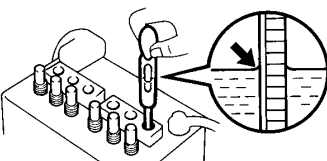

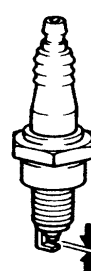
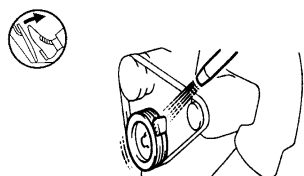
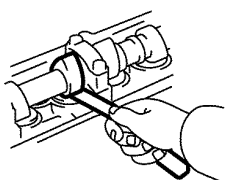


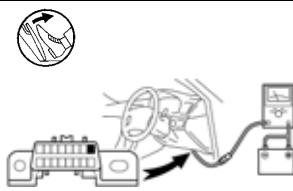
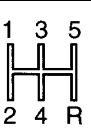
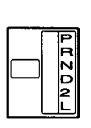


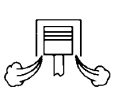

\*3 Quando il pedale del freno è premuto con una forza di 490 N (50 kgf, 110 lbf) mentre il motore è in moto.

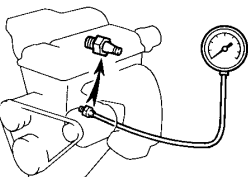

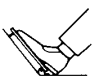

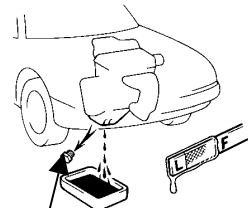
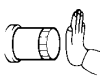
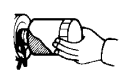

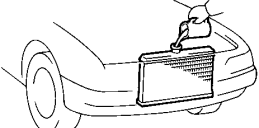
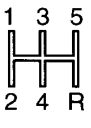
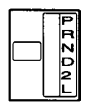
\*4 senza VSC

\*5 con VSC




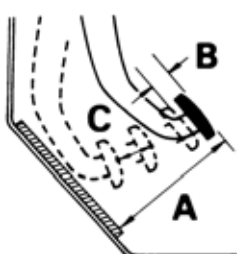




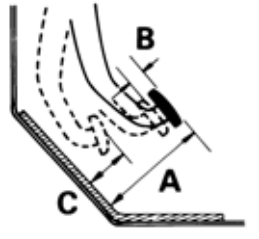

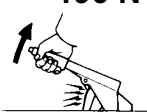
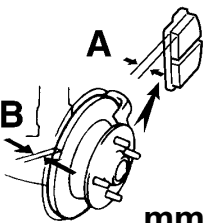
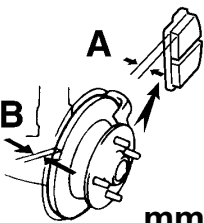

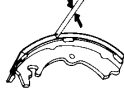


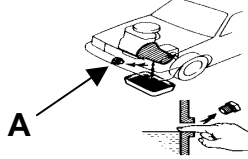
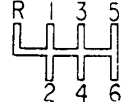
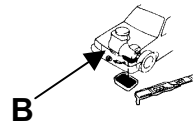
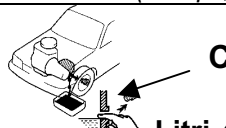
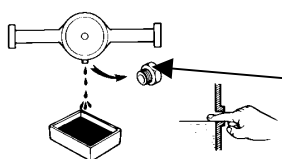
\*6 Disco 15 pollici


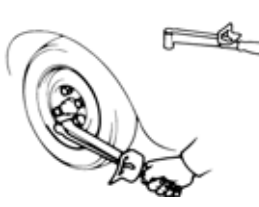

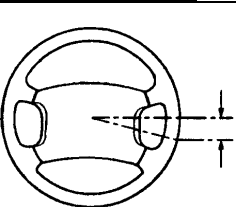

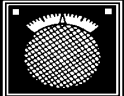
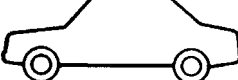
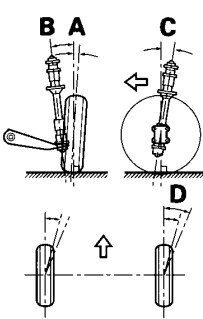

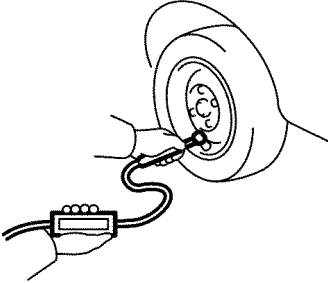
\*7 Disco 16 pollici

		ACA	
 <div>20°C (68°F)</div>		1.25 - 1.29	
		1AZ-FE	2AZ-FE
cm <sup>3</sup> o cc (cu. in.)		1,998 (121.9)	2,362 (144.1)
 <div>A</div>	DENSO	SK20R11	
	NGK	IFR6A11	
	A mm (in.)	1.1 (0.043)	
 <div>BTDC</div>		8 - 12° (Terminali 13 (TC) - 4 (CG) del DLC3 collegati)	
 <div>mm (in.)</div>		0.21 - 0.27 (0.0083 - 0.0106)	0.21 - 0.27 (0.0083 - 0.0106)
		0.30 - 0.40 (0.0118 - 0.0157)	0.38 - 0.48 (0.0150 - 0.0189)
 <div>giri/min</div>		650 - 750	600 - 700
		610 - 710	
 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		1,300 (13.8, 196)	
		1,000 (10, 142)	
		100 (1.0, 14)	

 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		29 (0.3, 4.3)	
	3,000 giri/min 	245 - 539 (2.5 - 5.5, 36 - 78)	160 - 539 (1.6 - 5.5, 23 - 78)
		1AZ-FE	2AZ-FE
 <div>A</div>		3.6 (3.8, 3.2)	4.1 (4.3, 3.6)
		3.8 (4.0, 3.3)	4.3 (4.5, 3.8)
Litri (US qts, Imp. qts)		20W-50 e 15W-40: olio motore multigrado gradazione API SL o SM 10W-30 e 5W-30: Gradazione API SL “Energy-Conserving”, SM “Energy-Conserving” o olio motore multigrado ILSAC* <sup>1</sup>	
N·m (kgf·cm, ft·lbf)		40 (408, 30)	
 <div>Litri (US qts, Imp. qts)</div>		6.3 (6.7, 5.5)	6.6 (7.0, 5.9)
		6.4 (6.8, 5.6)	6.5 (6.9, 5.7)

\*1 ILASAC : Commissione internazionale di accettazione degli standard dei lubrificanti

					
	A	176.5 - 186.5 (6.949 - 7.343)		211.1 - 221.1 (8.311 - 8.705)	
	B	1 - 5 (0.039 - 0.197)			
	C	📏 25 (0.98)			
mm (in.) 		SAE J1703 o FMVSS No. 116 DOT3			
					
	A	184.2 - 194.2 (7.252 - 7.646)		168.6 - 178.6 (6.638 - 7.031)	
	B	1 - 6 (0.04 - 0.24)			
	C*1	*2 📏 75 (2.95) *3 📏 110 (4.33)		*2 📏 70 (2.75) *3 📏 100 (3.93)	
mm (in.) 		SAE J1703 o FMVSS No. 116 DOT3			
		196 N (20 kgf, 44.1 lbf)			
		7 - 9			
					
mm (in.)	A	📏 1.0 (0.039)			
	B	📏 25.0 (0.984)		📏 10.5 (0.413)	
		📏 1.0 (0.039)			
		📏 173.0 (6.811)			
		ALA			
				2.1 (2.2, 1.8)	
Litri (US qts, Imp. qts)		API GL-5 SAE 75W			
		0.45 (0.48, 0.40)			
Litri (US qts, Imp. qts)		GL-5 SAE 80W-90			
		0.45 (0.48, 0.40)			
Litri (US qts, Imp. qts)		0.45 - 0.55 (0.48 - 0.58, 0.4 - 0.48)			
		API GL-5 SAE 90			
N·m (kgf·cm, ft·lbf)		39 (398, 29)			
A					
B					
C					
D					

		ALA		
		103 (1,050, 76)		
N·m (kgf·cm, ft·lbf)				
		ALA		
		 30 (1.18)		
				
	A	Solo per l'Europa 215/70R16	-0°08' ± 45' (-0.13° ± 0.75°)	-0°58' ± 45' (-0.97° ± 0.75°) 45' (0.75°) o meno
		225/65R17 235/55R18	-0°11' ± 45' (-0.18 ± 0.75°)	-1°07' ± 45' (-1.12° ± 0.75°) 45' (0.75°) o meno
	B	Solo per l'Europa 215/70R16	11°16' ± 45' (11.27° ± 0.75°)	-
		225/65R17 235/55R18	11°26' ± 45' (11.44° ± 0.75°)	-
	C	Solo per l'Europa 215/70R16	5°41' ± 45' (5.68° ± 0.75°)	-
		225/65R17 235/55R18	5°47' ± 45' (5.78° ± 0.75°)	-
	D	Solo per l'Europa 215/70R16	38°55' ± 2° (38.9° ± 2°)	-
		225/65R17	38°44' ± 2° (38.7° ± 2°)	-
		235/55R18	35°50' ± 2° (35.8° ± 2°)	-
	E+F		0°05' ± 10' (0.08° ± 0.17°)	0°11' ± 10' (0.18° ± 0.17°)
	G-H mm (in.)		1.0 ± 2 (0.04 ± 0.08)	2.3 ± 1 (0.09 ± 0.04)
			ALA	
		220 (2.2, 32)		
kPa (kgf/cm <sup>2</sup> , psi)				

\*1 Quando il pedale del freno è premuto con una forza di 490 N (50 kgf, 110 lbf) mentre il motore è in moto.

\*2 senza VSC




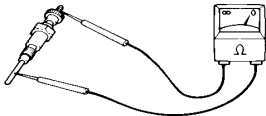
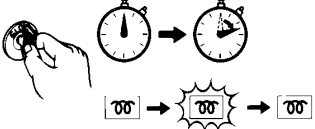
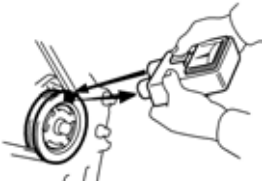


\*3 con VSC




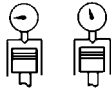
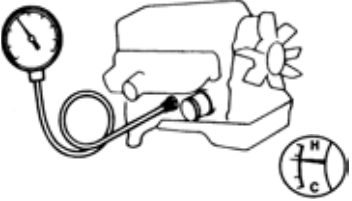



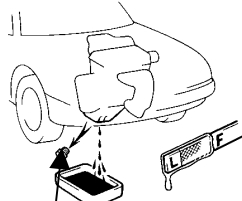


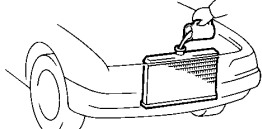
RAV4

Diesel

ALA30

2007/1 – 2007/8




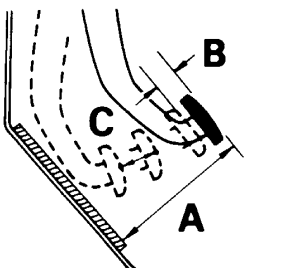





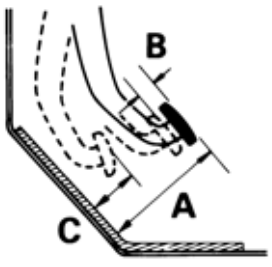










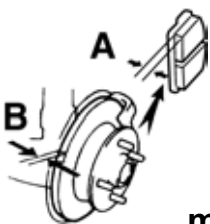









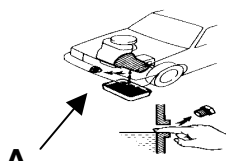

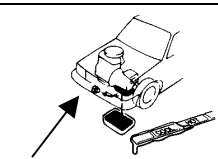

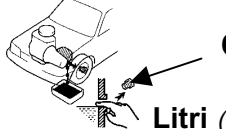
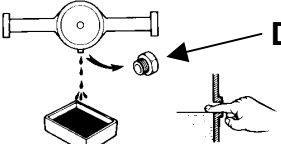
		ALA	
 <div>20°C (68°F)</div>		1.25 - 1.29	
		2AD-FTV	2AD-FHV
cm <sup>3</sup> o cc (cu. in.)		2,231 (136.1)	
 <div>20°C (68°F)</div>		<div>*1 0.95</div> <div>*2 0.96</div>	0.95
ohm			
 <div>sec.</div>	-20°C (-4°F)	*1*2 10 - 12	10 - 12
	-15°C (5°F)	<div>*1 5.0 - 6.0</div> <div>*2 6.0 - 7.2</div>	5.0 - 6.0
	0°C (32°F)	<div>*1 3.0 - 4.0</div> <div>*2 0.46 - 2.4</div>	3.0 - 4.0
	35°C (95°F)	<div>*1 0.45 - 1.0</div> <div>*2 0.46</div>	0.4 - 1.0
 <div>giri/min</div>		750 - 850	
		5,100 - 5,250	


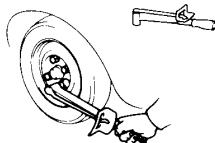

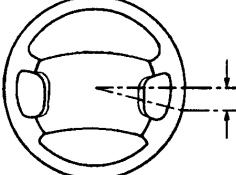
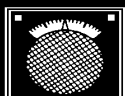

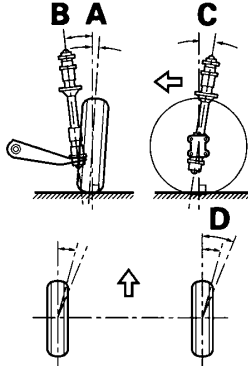
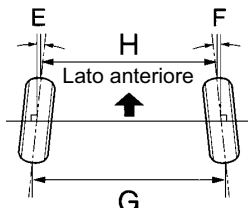

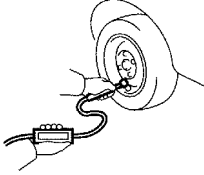
 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		2,700 (27.5, 391)
		2,200 (22.5, 320)
		500 (5.0, 71)
 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		29 (0.3, 4.3)
	<div>4,500 giri/min</div> 	245 (2.5, 36)
		ALA
 <div>Litri (US qts, Imp. qts)</div>		5.5 (5.8, 4.2)
		5.9 (6.2, 5.2)
<div>A</div> <div>N·m (kgf·cm, ft·lbf)</div>	Classificazione G-DLD-1 o API CF-4, CF (può essere usato anche API CE o API CD)	
	<div>A</div>	38 (387, 28)
 <div>Litri (US qts, Imp. qts)</div>	Senza riscaldatore elettrico	7.3 (7.7, 6.4)
	Con riscaldatore elettrico	7.7 (8.1, 6.8)

\*1 per DPF    \*2 per CCO

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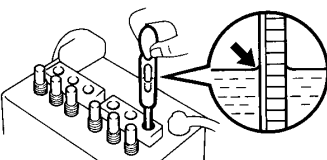

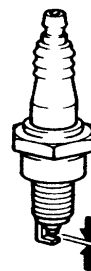
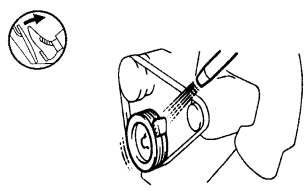
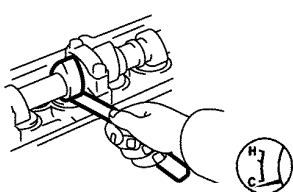


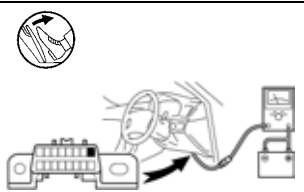
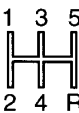
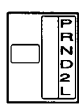







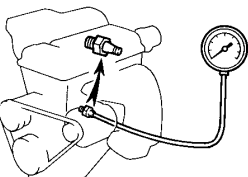




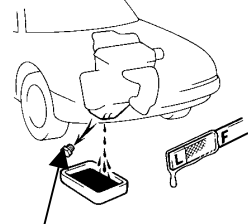
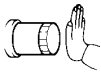
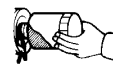
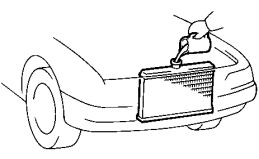
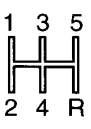
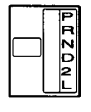
					
 mm (in.) 	<b>A</b>	*1 <b>162.9 - 172.9</b> (6.413 - 6.807)		*1 <b>195.5 - 205.5</b> (7.697 - 8.091)	
		*2 <b>173.3 - 183.3</b> (6.823 - 7.217)		*2 <b>207.4 - 217.4</b> (8.165 - 8.559)	
	<b>B</b>	<b>1 - 5</b> (0.039 - 0.197)			
	<b>C</b>	 <b>25</b> (0.98)			
		SAE J1703 o FMVSS No. 116 DOT3			
					
 mm (in.) 	<b>A</b>	<b>184.2 - 194.2</b> (7.252 - 7.646)		<b>168.6 - 178.6</b> (6.638 - 7.031)	
	<b>B</b>	<b>1 - 6</b> (0.039 - 0.236)			
	<b>C</b> *3	*1*5  <b>90</b> (3.54)	*1*5  <b>80</b> (3.15)		
		*1*6  <b>115</b> (4.53)	*1*6  <b>105</b> (4.13)		
		*2*5  <b>95</b> (3.74)	*2*5  <b>85</b> (3.34)		
		*2*6  <b>120</b> (4.72)	*2*6  <b>110</b> (4.32)		
		SAE J1703 o FMVSS No. 116 DOT3			
<b>196 N</b> (20 kgf, 44.1 lbf) 		<b>7 - 9</b>			
 mm (in.)	<b>A</b>	 <b>1.0</b> (0.039)			
	<b>B</b>	*6  <b>22.0</b> (0.866) *7  <b>25.0</b> (0.984)	 <b>10.5</b> (0.413)		
 mm (in.)		 <b>1.0</b> (0.039)			
 mm (in.)		 <b>173.0</b> (6.811)			
		ACA, GSA			
 Litri (US qts, Imp. qts)		2WD	4WD		
		<b>2.5</b> (2.6, 2.2)			
		API GL-4 o GL-5 SAE 75W-90			
 Litri (US qts, Imp. qts)		*1*2 <b>3.5</b> (3.7, 3.1) *3 <b>3.6</b> (3.8, 3.2)			
		ATF WS originale Toyota			
 Litri (US qts, Imp. qts)		<b>0.45</b> (0.48, 0.40)			
 Litri (US qts, Imp. qts)  N·m (kgf·cm, ft·lbf)	<b>A</b> <b>B</b> <b>C</b> <b>D</b>	-	<b>0.45 - 0.55</b> (0.48 - 0.58, 0.4 - 0.48)		
		-	<b>API GL-5</b> <b>SAE 90</b>		
		-	<b>49</b> (500, 36)		
		-	<b>47</b> (479, 35)		
		-	<b>39</b> (398, 29)		
		-	<b>39</b> (398, 29)		

		ACA, GSA		
 N·m (kgf·cm, ft·lbf)		103 (1,050, 76)		
		ACA,GSA		
 mm (in.)		30 (1.18)		
				
	A	Solo per l'Europa 215/70R16	-0°08' ± 45' (-0.13° ± 0.75°)	-0°58' ± 45' (-0.97° ± 0.75°) 45' (0.75°) o meno
		225/65R17 235/55R18	-0°11' ± 45' (-0.18 ± 0.75°)	-1°07' ± 45' (-1.12° ± 0.75°) 45' (0.75°) o meno
		Australia	-0°07' ± 45' (-0.12° ± 0.75°)	-0°52' ± 45' (-0.87° ± 0.75°) 45' (0.75°) o meno
	B	Solo per l'Europa 215/70R16	11°16' ± 45' (11.27° ± 0.75°)	-
		225/65R17 235/55R18	11°26' ± 45' (11.44° ± 0.75°)	-
		Australia	11°14' ± 45' (11.23° ± 0.75°)	-
	C	Solo per l'Europa 215/70R16	5°41' ± 45' (5.68° ± 0.75°)	-
		225/65R17 235/55R18	5°47' ± 45' (5.78° ± 0.75°)	-
		Australia	5°42' ± 45' (5.70° ± 0.75°)	-
	D	Solo per l'Europa 215/70R16	38°55' ± 2° (38.9° ± 2°)	-
		225/65R17	38°44' ± 2° (38.7° ± 2°)	-
		235/55R18	35°50' ± 2° (35.8° ± 2°)	-
		Australia	38°58' ± 2° (39.0° ± 2°)	-
	E+F		0°05' ± 10' (0.08° ± 0.17°)	0°11' ± 10' (0.18° ± 0.17°)
	G-H mm (in.)		1.0 ± 2 (0.04 ± 0.08)	2.3 ± 1 (0.09 ± 0.04)
		ACA,GSA		
 kPa (kgf/cm <sup>2</sup> , psi)		220 (2.2, 32)		




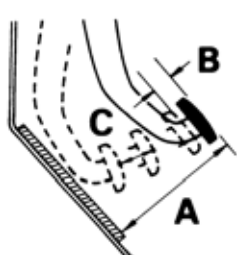





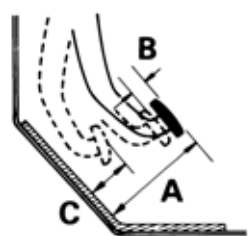






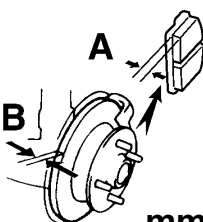




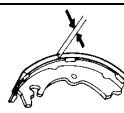




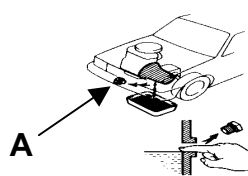
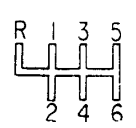
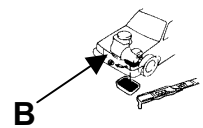
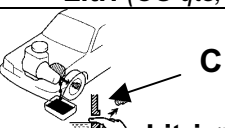
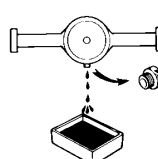
\*1 1AZ-FE    \*2 2AZ-FE    \*3 2GR-FE    \*4 Quando il pedale del freno è premuto con una forza di 490 N (50 kgf, 110 lbf) mentre il motore è in moto.

\*5 senza VSC    \*6 con VSC    \*7 Disco 15 pollici    \*8 Disco 16 pollici

		ACA, GSA			
 20°C (68°F)		1.25 - 1.29			
		1AZ-FE	2AZ-FE	2GR-FE	
cm <sup>3</sup> o cc (cu. in.)		1,998 (121.9)	2,362 (144.1)	3,456 (210.9)	
	DENSO	SK20R11		FK20HR11	
	NGK	IFR6A11		-	
	A mm (in.)	1.1 (0.043)		1.0 - 1.1 (0.039 - 0.043)	
 BTDC		8 - 12° (Terminali 13 (TC) - 4 (CG) del DLC3 collegati)			
 mm (in.)		0.21 - 0.27 (0.0083 - 0.0106)	0.21 - 0.27 (0.0083 - 0.0106)	-	
		0.30 - 0.40 (0.0118 - 0.0157)	0.38 - 0.48 (0.0150 - 0.0189)	-	
 giri/min		650 - 750	600 - 700		
		 610 - 710			
 kPa (kgf/cm <sup>2</sup> , psi)		1,300 (13.8, 196)		1,400 (14, 199)	
		1,000 (10, 142)		980 (10, 142)	
		100 (1.0, 14)			

 kPa (kgf/cm <sup>2</sup> , psi)		29 (0.3, 4.3)		80 (0.8, 11.6)
	3,000 giri/min 	245 - 539 (2.5 - 5.5, 36 - 78)	160 - 539 (1.6 - 5.5, 23 - 78)	-
	6,000 giri/min 	-	-	380 (3.9, 55.5)
		1AZ-FE	2AZ-FE	2GR-FE
 A Litri (US qts, Imp. qts)		3.6 (3.8, 3.2)	4.1 (4.3, 3.6)	5.7 (6.0, 5.0)
		3.8 (4.0, 3.3)	4.3 (4.5, 3.8)	6.1 (6.4, 5.4)
N·m (kgf·cm, ft·lbf)		20W-50 e 15W-40: olio motore multigrado gradazione API SL o SM 10W-30 e 5W-30: Gradazione API SL “Energy-Conserving”, SM “Energy-Conserving” o olio motore multigrado ILSAC* <sup>1</sup>		
		10W -30: Gradazione API SL “Energy Conserving”		
		A	40 (408, 30)	
 Litri (US qts, Imp. qts)		6.3 (6.7, 5.5)	6.6 (7.0, 5.9)	9.3 (9.8, 8.2)
		6.4 (6.8, 5.6)	6.5 (6.9, 5.7)	

\*1 ILASAC : Commissione internazionale di accettazione degli standard dei lubrificanti  
TOYOTA MOTOR CORPORATION Technical Service Division

			
	A	176.5 - 186.5 (6.949 - 7.343)	211.1 - 221.1 (8.311 - 8.705)
	B	1 - 5 (0.039 - 0.197)	
	C	 25 (0.98)	
mm (in.) 		SAE J1703 o FMVSS No. 116 DOT3	
			
	A	184.2 - 194.2 (7.252 - 7.646)	168.6 - 178.6 (6.638 - 7.031)
	B	1 - 6 (0.04 - 0.24)	
	C*1	*2  75 (2.95) *3  110 (4.33)	*2  70 (2.75) *3  100 (3.93)
mm (in.) 		SAE J1703 o FMVSS No. 116 DOT3	
196 N (20 kgf, 44.1 lbf) 		7 - 9	
	A		
	B	 1.0 (0.039)	 25.0 (0.984)  10.5 (0.413)
		 1.0 (0.039)	
		 173.0 (6.811)	
		ALA	
			2.1 (2.2, 1.8)
	Litri (US qts, Imp. qts)		API GL-5 SAE 75W
	0.45 (0.48, 0.40)		GL-5 SAE 80W-90
	Litri (US qts, Imp. qts)		
	0.45 (0.48, 0.40)		
	Litri (US qts, Imp. qts)		
	0.45 - 0.55 (0.48 - 0.58, 0.4 - 0.48)		
	API GL-5 SAE 90		
	A	39 (398, 29)	
	B		
	C		
	D		
Litri (US qts, Imp. qts) N·m (kgf·cm, ft·lbf)			

		ALA		
		103 (1,050, 76)		
N·m (kgf·cm, ft·lbf)				
		ALA		
		30 (1.18)		
mm (in.)				
	A	Solo per l'Europa 215/70R16	-0°08' ± 45' (-0.13° ± 0.75°)	-0°58' ± 45' (-0.97° ± 0.75°) 45' (0.75°) o meno
		225/65R17 235/55R18	-0°11' ± 45' (-0.18 ± 0.75°)	-1°07' ± 45' (-1.12° ± 0.75°) 45' (0.75°) o meno
	B	Solo per l'Europa 215/70R16	11°16' ± 45' (11.27° ± 0.75°)	-
		225/65R17 235/55R18	11°26' ± 45' (11.44° ± 0.75°)	-
	C	Solo per l'Europa 215/70R16	5°41' ± 45' (5.68° ± 0.75°)	-
		225/65R17 235/55R18	5°47' ± 45' (5.78° ± 0.75°)	-
	D	Solo per l'Europa 215/70R16	38°55' ± 2° (38.9° ± 2°)	-
		225/65R17	38°44' ± 2° (38.7° ± 2°)	-
		235/55R18	35°50' ± 2° (35.8° ± 2°)	-
	E+F		0°05' ± 10' (0.08° ± 0.17°)	0°11' ± 10' (0.18° ± 0.17°)
	G-H mm (in.)		1.0 ± 2 (0.04 ± 0.08)	2.3 ± 1 (0.09 ± 0.04)
			ALA	
		220 (2.2, 32)		
kPa (kgf/cm <sup>2</sup> , psi)				

\*1 Quando il pedale del freno è premuto con una forza di 490 N (50 kgf, 110 lbf) mentre il motore è in moto.

\*2 senza VSC




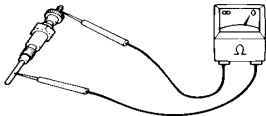
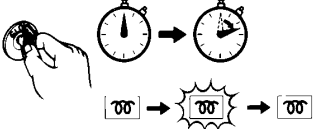
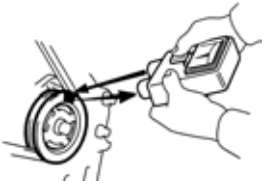


\*3 con VSC




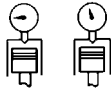
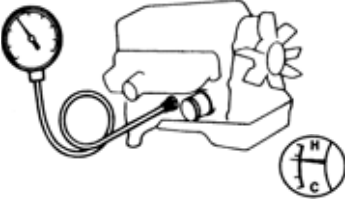



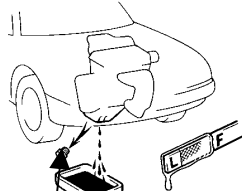


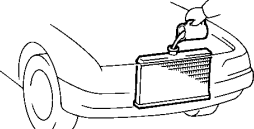
RAV4

Diesel

ALA30

2007/8 -

		ALA	
 <div>20°C (68°F)</div>		1.25 - 1.29	
		2AD-FTV	2AD-FHV
cm <sup>3</sup> o cc (cu. in.)		2,231 (136.1)	
 <div>20°C (68°F)</div>		<div>*1 0.95</div> <div>*2 0.96</div>	0.95
ohm			
 <div>sec.</div>	-20°C (-4°F)	*1*2 10 - 12	10 - 12
	-15°C (5°F)	<div>*1 5.0 - 6.0</div> <div>*2 6.0 - 7.2</div>	5.0 - 6.0
	0°C (32°F)	<div>*1 3.0 - 4.0</div> <div>*2 0.46 - 2.4</div>	3.0 - 4.0
	35°C (95°F)	<div>*1 0.45 - 1.0</div> <div>*2 0.46</div>	0.4 - 1.0
 <div>giri/min</div>		750 - 850	
		5,100 - 5,250	

 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		2,700 (27.5, 391)
		2,200 (22.5, 320)
		500 (5.0, 71)
 <div>kPa (kgf/cm<sup>2</sup>, psi)</div>		29 (0.3, 4.3)
	4,500 giri/min	245 (2.5, 36)
		
		ALA
 <div>Litri (US qts, Imp. qts)</div>		5.5 (5.8, 4.2)
		5.9 (6.2, 5.2)
	Classificazione G-DLD-1 o API CF-4, CF (può essere usato anche API CE o API CD)	
<div>A</div> <div>N·m (kgf·cm, ft·lbf)</div>	<div>A</div>	38 (387, 28)
 <div>Litri (US qts, Imp. qts)</div>	Senza riscaldatore elettrico	7.3 (7.7, 6.4)
	Con riscaldatore elettrico	7.7 (8.1, 6.8)

\*1 per DPF    \*2 per CCO

TOYOTA MOTOR CORPORATION Technical Service Division