SDS TOYOTA Dyna Diesel

XZU300, 305, 320, 330, 340, 404, 412, 414, 422, 424, 434
WU300, 340, 410
BU303, 343

Jan. '04

		14B	W04D–J	N04C–TF	15B–FTE	S05C–B	S05C–TA	S05C–TB	J05C
	cm^3 or CC (cu. in.)	3660 (223.4)	4009 (244.5)	4009 (244.5)	4101 (250.4)	4613 (281.5)	4613 (281.5)	4613 (281.5)	5307 (323.8)
mm (in.) N (kgf)		11.0 – 16.0 (0.43 – 0.63) ※245 – 441 (25 – 45)	10.0 – 15.0 (0.40 – 0.59) ※275 – 375 (28 – 38)	12.5 – 16.0 (0.49 – 0.63) ※245 – 315 (25 – 32)	14 – 20 (0.55 – 0.79) ※196 – 392 (19 – 39)	11.0 – 13.0 (0.43 – 0.51) ※235 – 353 (24 – 36)		6.5 – 7.5 (0.26 – 0.30) ※275 – 375 (28 – 38)	11.0 – 13.0 (0.43 – 0.51) ※235 – 353 (24 – 36)
		——	8.5 – 10.0 (0.33 – 0.40)	10.0 – 13.0 (0.39 – 0.51) ※225 – 295 (23 – 30)	17 – 24 (0.67 – 0.94)	8.5 – 10.0 (0.33 – 0.40)			8.5 – 10.0 (0.33 – 0.40)
Ω	20°C (68°F) 24V	——	2.7 – 3.5		——	2.5 – 3.3			
secs		Cold Area Package 5.0	0° (48F°) 5.0		20° (68F°) 0.5	0° (48F°) 5.0			
mm (in.)		1.31 – 1.37	——						
kPa (kgf/cm², psi)		17650 – 20590 (180 – 210 2560 – 2990)	21570 – 22360 (220 – 228 3130 – 3243)	——	17162 – 18142 (175 – 185 2489 – 2632)	16180 – 16970 (165 – 173 2347 – 2461)	17650 – 18440 (180 – 188 2561 – 2674)	——	16180 – 16970 (165 – 173 2347 – 2461)
		19610 – 20590 (200 – 210 2840 – 2990)	21570 – 22560 (220 – 230 3130 – 3272)	——	17650 – 18630 (180 – 190 2560 – 2700)	16670 – 17450 (170 – 178 2418 – 2532)	18140 – 18920 (185 – 193 2632 – 2746)	——	16670 – 17450 (170 – 178 2418 – 2532)
mm (in.)		0.20 (0.008)	0.35 (0.014)	0.30 (0.012)	0.20 (0.008)	0.30 (0.012)			
		0.36 (0.014)	0.55 (0.022)	0.45 (0.018)	0.36 (0.014)	0.45 (0.018)			

rpm		650 – 750	650 – 750	600 – 700	600 – 700	600 – 700	680 – 780	600 – 700	600 – 700
		4050 – 4250	3650 – 3750	3600 – 3700	3750 – 3950	3390 – 3490	3400 – 3500	3220 – 3320	3520 – 3620
kPa (kgf/cm², psi)		2942 (30.0, 427)	3240–3530 (33-36, 490-512)	3200 (33, 469)	3000 (31.0, 441)	3500–3700 (36–38, 508–537)			
		↑ 1961 (20.0, 284)	↑ 2750 (28, 399)	↑ 2700 (28, 398)	↑ 1960 (20.0, 284)	↑ 2700 (28, 398)			
		↓ 196 (2.0, 28)	↓ 290 (3.0, 43)	↓ 290 (3.0, 43)	↓ 196 (2.0, 28)	↓ 290 (3.0, 43)			
N·m (kgf·cm, ft·lbf)	A	49 (500, 36) 90° 90°	132 (1350, 97) ※3 52 (530, 38)	※7 60 (612, 44) ※8 55 (560, 40) 90° 90°	49 (500, 36) 90° 90°	※1 59 (600, 44) 90° 90° or 135° or 180°		※2 59 (600, 44)	
	B	18.5 (189, 14)	24.5 (250, 18)	28.5 (290, 21)	18.5 (189, 14)	28.5 (290, 21)			
	C	47.5 (484, 35)	47.1 (480, 34.7)	59 (600, 44)	44.1 (449, 32)	59 (600, 44)			
	D	18 (185, 13)	14.7 (150, 11)	25 (255, 18)	21 (214, 15.5)	25 (255, 18)			
	E	25 (255, 18)	19.6 (200, 14.5)	44 (449, 32)	25 (255, 18)	34 (350, 25.3)		44.1 (450, 32.6)	24.5 (250, 18)
kPa (kgf/cm², psi)	650 rpm	↑ 80 (0.8, 11.6)	↑206*1 (2.1, 29.9)	↑196*2 (1.2, 28.4)	↑ 130 (1.33, 18.9)	↑ 147*3 (1.5, 21.3)			
	2,200 rpm	↑ 300 (3.1, 44)	↑421*4 (4.3, 61.1)	↑441*5 (45, 64.0)	↑ 320 (3.3, 46.4)	↑ 490*5 (5.0, 71.1)			

		14B	W04D–J	N04C–TF	15B–FTE	S05C–B	S05C–TA	S05C–TB	J05C
liter (US qts, Imp. qts)		8.4 (8.9, 7.4)	7.5 (7.9, 6.6)	7.2 (7.6, 6.3)	8.4 (8.9, 7.4)	8.0 (8.5, 7.0)	8.6 (9.1, 7.6)		
		9.3 (9.8, 8.2)	8.7 (9.2, 7.6)	8.2 (8.6, 7.2)	9.3 (9.8, 8.2)	9.0 (9.5, 7.9)	10.2 (10.8, 9.5)		9.6 (10.1, 8.4)
		G-DLD-1*6, API CF–4 or CF (You may also use API CE or CD)	API, CD, CE or CF	API CD, CE, CF CH-4 or CI-4	G-DLD-1*6, API CF–4 or CF (You may also use API CE or CD)	API CD, CE or CF			
liter (US qts, Imp. qts)	w/ Heater	13.1 (13.8, 11.6) ※4 13.0 (13.7, 11.4) ※5	13.0 (13.7, 11.4) ※4 12.9 (13.6, 11.4) ※5	14.4 (15.2, 12.7)	13.1 (13.8, 11.6) ※4 13.0 (13.7, 11.4) ※5	15.1 (15.9, 13.3)	15.2 (16.1, 13.4)		15.6 (16.5, 13.7)
	w/o Heater	12.5 (13.2, 11.0)	12.4 (13.1, 10.9) ※4 12.3 (13.0, 10.8) ※5	——	12.5 (13.2, 11.0)	14.5 (15.3, 12.8)	14.6 (15.4, 12.8)		——

※1 M12 bolt
※2 M10 bolt
※3 Cylinder head Additional bolt
※4 Wide cab models
※5 Regular cab models
※6 Except Europe
※7 Short bolt
※8 Long bolt
*1 700 rpm
*2 650 rpm
*3 at Idle
*4 3200 rpm
*5 3000 rpm

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TOYOTA MOTOR CORPORATION

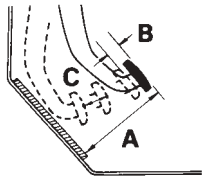
Pub. No. SDS481E

Dyna Diesel

XZU300 – *0001378~* XZU305 – *0001056~* XZU320 – *0001220~* XZU330 – *0001453~* XZU340 – *0001587~* XZU404 – *0001273~*
XZU412 – *0007923~* XZU414 – *0001794~* XZU422 – *0001542~* XZU424 – *0001329~* XZU434 – *0001104~*
WU300 – *8000036~* WU340 – *8000045~* WU410 – *0001225~* BU303 – *5000154~* BU343 – *5000079~*

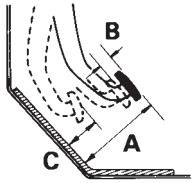
TOYOTA QUALITY SERVICE

XZU, WU, BU



A	※1 183.0–193.0 (7.205–7.598) ※2 179.0–189.0 (7.047–7.441) ※3 155.0–165.0 (6.102–6.496)
B	5.0–10.0 *(0.20–0.40)*
C	※1 137 (1.457) ※2 225 (0.985) ※3 325 (0.985)
mm *(in.)*	**SAE J1703 or FMVSS No. 116 DOT3**

XZU, WU, BU

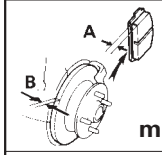


A	※4 218.4–228.4 (8.598–8.992) ※5 218–228 (8.582–8.976) ※6 197.7–207.7 (7.783–8.177)	
B	1.0–3.0 *(0.04–0.12)*	
C*1	※6 30 *(1.2)*	※5 25 *(1.0)*
mm *(in.)*	**SAE J1703 or FMVSS No. 116 DOT3**	

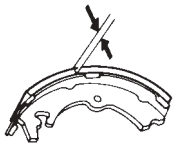
245 N *(25 kgf, 55.1 lbf)*



6–10

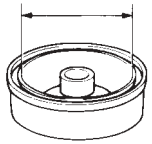


A	3.0 *(0.118)*
B	33.0 *(1.299)*



FRONT	※7 4.0 *(0.157)* ※8 4.2 *(0.165)*
REAR	※7 4.0 *(0.157)* ※8 4.2 *(0.165)* ※9 1.5 *(0.059)*

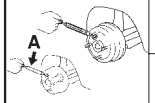
mm *(in.)*



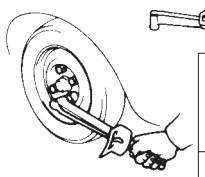
FRONT	322 *(12.68)*
REAR	※7※8 322 *(12.68)* ※9 297 *(11.69)*

mm *(in.)*

XZU, WU, BU

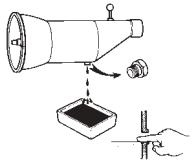


		A+[4.4–12.8] *(0.45–1.3 / 1.0–2.9)*	A+[35–53] *(3.6–5.4 / 7.9–11.9)*
		A+[5–19] *(0.5–1.4 / 1.1–3.1)*	A+[10–29] *(1.0–3.0 / 2.2–6.6)*
	G.V.W.*2 6.5 t ~ 8.5 t	A+[18–44] *(1.8–4.5 / 4.0–9.9)*	——
	G.V.W.*2 5.5 t	A+[5–14] *(0.5–1.4 / 1.1–3.1)*	——
N *(kgf, lbf)*			

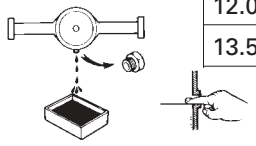


		515 *(5250, 380)*
N·m *(kgf·cm, ft·lbf)*		515 *(5250, 380)*

XZU, WU, BU

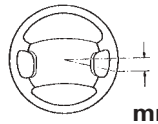


N04C-TF	2.8 *(3.0, 2.5)* ※10 3.1 *(3.3, 2.8)*
14B, W04D–J Engine	3.2 *(3.4, 2.8)* ※10 3.5 *(3.7, 3.1)*
Others	4.2 *(4.4, 3.7)* ※10 4.5 *(4.8, 4.0)*
liter *(US qts, Imp. qts)*	**API GL–4 or GL–5 SAE 75W–90**



10.5 in.	3.4 *(3.6, 3.0)*
12.0 in.	5.2 *(5.5, 4.6)*
13.5 in.	3.7 *(3.9, 3.3)*
liter *(US qts, Imp. qts)*	**Hypoid gear oil API GL–5** **SAE 90** (–18°C *(0°F)*) **SAE 80W or 80W–90** (–18°C *(0°F)*)

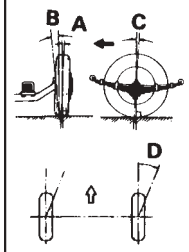
XZU, WU, BU



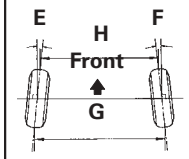
mm *(in.)*

25 *(0.98)*

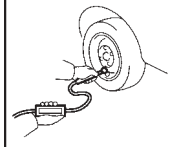
XZU, WU, BU



A	0°30′±1° *(0.5°±1°)*	※11 0°30′±1° *(0.5°±1°)* ※12 1°00′±1° *(1.0°±1°)*	
B	7°30′±1° *(7.5°±1°)*	※11 7°30′±1° *(7.5°±1°)* ※12 7°00′±1° *(7.0°±1°)*	
C	2°30′±1° *(2.5°±1°)*	※13 2°30′±1° *(2.5°±1°)* ※15 1°00′±1° *(1.8°±1°)*	※14 1°30′±1° *(1.5°±1°)* ※12 2°00′±1° *(2°±1°)*
D	33–36° ※16 36–39° ※17 42–45°	※11 48–51° ※12 47–50°	



E+F	0°–0°09′ *(0°–0.15°)*
G–H mm *(in.)*	0–2 *(0–0.08)*



Please refer to the Owner's Manual (Part 8. SPECIFICATIONS)

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※1 Booster type (LHD) ※2 Booster type (RHD) ※3 Turn over type ※4 Australia model ※5 w/o ABS ※6 w/ ABS
※7 Wide cab 6.5 t or more and Standard cab 7.5 t or more ※8 Standard cab 6.5 t, 5.5 t and Wide cab 5.5 t
※9 Australia 5.5 t or less (15 inch) ※10 w/ Power take off ※11 2.0 t ※12 2.0 t over ※13 2.0 t (Australia and Hong Kong)
※14 2.0 t (Rubber bush type) ※15 2.0 t (Metal bush type) ※16 Australia (185/85R16) ※17 Australia (195/75R16)
*1 When brake pedal is depressed with force of 490 N (50 kgf, 110 lbf) while engine is running. *2 Gross Vehicle Weight

Overseas Customer Service Technical Division: 01-040127-00