SDS TOYOTA Dyna Diesel

XZU300, 320, 330, 340, 404, 412, 414, 420, 424, 430, 434
WU300, 340, 410
BU300, 303, 340, 343

Jan. '03

	14B	15B–FTE	S05C–B	S05C–TA	S05C–TB	W04D–J
cm³ or CC *(cu. in.)*	3660 *(223.5)*	4101 *(250.4)*	4613 *(281.5)*	4613 *(281.5)*	4613 *(281.5)*	4009 *(244.7)*
mm *(in.)* **N** *(kgf)* ※	11.0 – 16.0 *(0.43 – 0.63)* ※245 – 441 *(25 – 45)*	14 – 20 *(0.55 – 0.75)* ※196 – 392 *(19 – 39)*	11.0 – 13.0 *(0.43 – 0.51)* ※235 – 353 *(24 – 36)*		6.5 – 7.5 *(0.256 – 0.295)* ※275 – 375 *(28 – 38, 62 – 84)*	15.0 – 18.0 *(0.59 – 0.71)* ※275 – 375 *(28 – 38, 62 – 84)*
	——	17 – 24 *(0.67 – 0.94)*	8.5 – 10.0 *(0.33 – 0.40)*			8.5 – 10.0 *(0.33 – 0.40)*
20°C *(68° F)* **24V** Ω	——		2.5 – 3.3	——	2.5 – 3.3	2.7 – 3.5
20°C *(68° F)* **secs**	Cold Area Package 5.0	0.5	1.0	——	1.0	
mm *(in.)*	1.31 – 1.37	VE pump 0.67 – 0.73 *(0.0264 – 0.0289)* NB pump 4.96 – 5.14 *(0.1952 – 0.2023)*	——			
	(15B-FTE)		(14B, S05C-B, S05-TA, S05-TB, W04D-J)			
kPa *(kgf/cm², psi)*	17650 – 20590 *(180 – 210 2560 – 2990)*	17162 – 18142 *(175 – 185 2489 – 2632)*	16180 – 16970 *(165 – 173 2347 – 2461)*	17650 – 18440 *(180 – 188 2561 – 2674)*	——	21570 – 22360 *(220 – 228 3130 – 3243)*
	19610 – 20590 *(200 – 210 2840 – 2990)*	17650 – 18630 *(180 – 190 2560 – 2700)*	16670 – 17450 *(170 – 178 2418 – 2532)*	18140 – 18920 *(185 – 193 2632 – 2746)*	——	21570 – 22560 *(220 – 230 3130 – 3272)*
mm *(in.)*	0.20 *(0.008)*		0.30 *(0.012)*			0.35 *(0.014)*
	0.36 *(0.014)*		0.45 *(0.018)*			0.55 *(0.022)*

			14B	15B–FTE	S05C–B	S05C–TA	S05C–TB	W04D–J
rpm		1 3 5 2 4 R	Australia 750 – 850 Others 600 – 700	600 – 700	600 – 700	650 – 750	600 – 700	650 – 750
			4050 – 4250	Taiwan 3750 – 3950 Europe 3500 – 3700 Others 3900 – 4100	3420 – 3520	3400 – 3500	3120 – 3420	3650 – 3750
kPa *(kgf/cm², psi)*			3000 *(31.0, 441)*		3400 – 3600 *(35 – 37, 478 – 523)*			3240 – 3530 *(33–36, 490-512)*
			↑ 1960 *(20.0, 284)*		↑ 2700 *(28, 398)*			↑ 2750 *(28, 399)*
			↓ 196 *(2.0, 28)*		↓ 290 *(3.0, 43)*			↓ 290 *(3.0, 43)*
N·m *(kgf·cm, ft·lbf)*	**A**		49 *(500, 36)* 90° 90°		※1 59 *(600, 44)* 90° 90° or 135° or 180° ※2 59 *(600, 44)*			132 *(1350, 97)* ※3 52 *(530, 38)*
	B		18.5 *(189, 14)*		28.5 *(290, 21)*			24.5 *(250, 18)*
	C		47.5 *(484, 35)*	44.1 *(449, 32)*	59 *(600, 44)*			47.1 *(480, 34.7)*
	D		18 *(185, 13)*	21 *(214, 15.5)*	25 *(255, 18)*			14.7 *(150, 11)*
	E		25 *(255, 18)*		34 *(350, 25.3)*		44.1 *(450, 32.6)*	19.6 *(200, 14.5)*
kPa *(kgf/cm², psi)*		650 rpm	↑ 80 *(0.8, 11.6)*	↑ 130 *(1.33, 18.9)*	↑ 49 *(0.5, 11)*			↑ 225.5 (2.3, 32.4)
		2,200 rpm	↑ 330 *(3.1, 44)*	↑ 320 *(3.3, 46.4)*	↑ 590 *(6.0, 85)*			↑ 402 *(4.1, 57)*

		14B	15B–FTE	S05C–B	S05C–TA	S05C–TB	W04D–J
liter *(US qts, Imp. qts)*		8.4 *(8.9, 7.4)*		8.0 *(8.5, 7.0)*	8.6 *(9.1, 7.6)*		7.5 *(7.9, 6.6)*
		9.3 *(9.8, 8.2)*		10.0 *(10.6, 8.8)*	10.6 *(11.2, 7.3)*		8.7 *(9.2, 7.6)*
		DLD-1*1, 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		15.1 *(15.9, 13.3)*	15.2 *(16.0, 13.4)*	15.2 *(16.0, 13.4)* 16.6 (17.5, 14.6) ※6	13.0 *(13.7, 11.4)* ※4 12.9 (13.6, 11.4) ※5
	w/o Heater	12.5 *(13.2, 11.0)*		14.5 *(15.3, 12.8)*	14.6 *(15.4, 12.8)*		12.4 *(13.1, 10.9)* ※4 12.3 (13.0, 10.8) ※5

Printed in Japan

※1 M12 bolt ※2 M10 bolt ※3 Cylinder head Additional bolt
※4 Wide cab models ※5 Regular cab models ※6 HongKong
*1 Except Europe

TOYOTA MOTOR CORPORATION

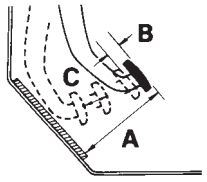
Pub. No. SDS471E

Dyna Diesel

XZU300 – *0001305~*, XZU320 – *0001181~*, XZU330 – *0001335~*, XZU340 – *0001466~*, XZU404 – *0001006~*
XZU412 – *0006479~*, XZU414 – *0001129~*, XZU420 – *0002910~*, XZU424 – *0001027~* XZU430 – *0001621~*
WU340 – *8000001~*, WU410 – *0001013~*, BU300 – *0001004~*, BU303 – *5000001~*, BU343 – *5000001~*

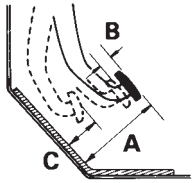
TOYOTA QUALITY SERVICE

XZU, WU, BU

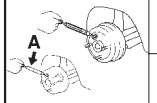


A	※1 183.0–193.0 (7.205–7.598) ※2 179.0–189.0 (7.047–7.441) ※3 155.0–165.0 (6.102–6.496)
B	5.0–10.0 *(0.20–0.40)*
C	⬆ ※1 137 (1.457) ※2 225 (0.985) ※3 325 (0.985)
mm *(in.)*	**SAE J1703 or FMVSS No. 116 DOT3**

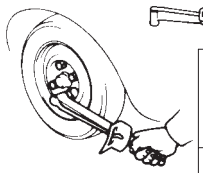
XZU, WU, BU



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	⬆ 30 *(1.2)*
mm *(in.)*	**SAE J1703 or FMVSS No. 116 DOT3**
245 N *(25 kgf, 55.1 lbf)*	6–10
mm *(in.)*	**A** ⬆ 3.0 *(0.118)* **B** ⬆ 33.0 *(1.299)*
mm *(in.)*	**FRONT** ※7 ⬆ 4.0 *(0.157)* ※8※9 ⬆ 4.2 *(0.165)*
mm *(in.)*	**REAR** ※7 ⬆ 4.0 *(0.157)* ※8 ⬆ 4.2 *(0.165)* ※9 ⬆ 1.5 *(0.059)*
mm *(in.)*	**FRONT** ⬇ 322 *(12.68)*
mm *(in.)*	**REAR** ※7※8 ⬇ 322 *(12.68)* ※9 ⬇ 297 *(11.69)*

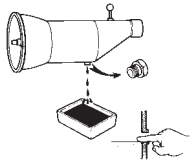


N *(kgf, lbf)*		A+[5–21] *(0.5–2.1 / 1.1–4.6)*	A+[35–53] *(3.6–5.4 / 7.9–11.9)*
		A+[5–19] *(0.5–1.4 / 1.1–3.1)*	A+[10–29] *(1.0–3.0 / 2.2–6.6)*
	G.V.W.*1 6.5 t ~ 8.5 t	A+[18–44] *(1.8–4.5 / 4.0–9.9)*	—
	G.V.W.*1 5.5 t	A+[5–14] *(0.5–1.4 / 1.1–3.1)*	—

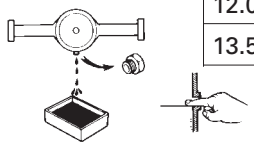


	365 *(3723, 269)*	515 *(5250, 380)*
N·m *(kgf·cm, ft·lbf)*	515 *(5250, 380)*	

XZU, WU, BU

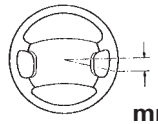


14B, W04D–J Engine	3.2 *(3.4, 2.8)* ※10 3.5 *(3.7, 3.1)*
Others	4.2 *(4.4, 3.7)* ※10 4.5 *(4.8, 4.0)*
liter *(US qts, Imp. qts)*	**API GL–4 or GL–5 SAE 75W–90**

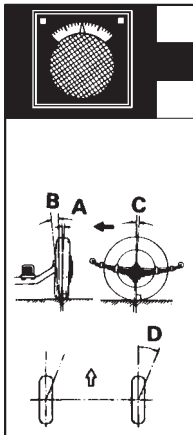


10.5 in.	3.4 *(3.6, 3.0)*
12.0 in.	5.2 *(5.5, 4.6)*
13.5 in.	3.7 *(3.9, 3.3)*
liter *(US qts, Imp. qts)*	**Hypoid gear oil API GL–5** **SAE 90** (⬆ –18°C *(0°F)*) **SAE 80W or 80W–90** (⬇ –18°C *(0°F)*)

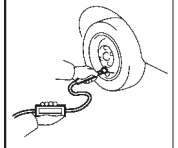
XZU, WU, BU



mm *(in.)*	⬇ 25 *(0.98)*



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°)* / ※14 1°30′±1° *(1.5°±1°)* ※15 1°00′±1° *(1.8°±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 ※8 Standard cab 6.5 t, 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 Gross Vehicle Weight

Overseas Customer Service Technical Division: 01-030128-00