SDS TOYOTA Hilux Diesel

LN 141, 145, 146, 147, 150, 152, 166, 167, 170, 171, 172, 190, 191
KZN165

Jan. '01

		2L	2L–T	3L	5L–E	1KZ–TE
	cm³ or CC (cu. in.)	2446 (149.3)		2779 (169.6)	2986 (182.2)	2982 (182.0)
mm (in.) N (kgf)		10–14 (0.39–0.55) ※ 196–343 (20–35)				8–12 (0.31–0.47) ※196–343 (20–35)
		17–21 (0.67–0.83) ※ 196–392 (20–40)				15–21 (0.59–0.83) ※196–392 (20–40)
		10–15 (0.39–0.59) ※ 196–343 (20–35)				—
		9–12 (0.35–0.47) ※196–343 (20–35)			—	
	20°C (68°F) Ω	0.72				
secs	20°C (68°F)	Europe, Thailand 3.0 Others 5.0	3.0	Malaysia 3.0 Others 5.0	3.2	1.1
mm (in.)		Europe Thailand 0.55–0.65 (0.0217–0.0256) Others 0.84–0.96 (0.0331–0.0378)	0.54–0.66 (0.0213–0.0260)	Malaysia 0.54–0.66 (0.0213–0.0260) Others 0.84–0.96 (0.0331–0.0378)	—	
		○ × × ×				
kPa (kgf/cm², psi)		14220–15200 (145–155 / 2062–2205)			15200–16180 (155–165 / 2205–2347)	14710–15690 (150–160 / 2134–2276)
		14810–15590 (151–159 / 2148–2262)			15790–16570 (161–169 / 2290–2404)	15298–16083 (156–164 / 2219–2333)
mm (in.)	H	0.20–0.30 (0.008–0.012)				
	C	0.40–0.50 (0.016–0.020)				0.25–0.35 (0.010–0.014)

rpm	H	650–750			720–820	650–750
	C	4770–5030	4670–4930	Malaysia 4270–4530 Others 4470–4730	4770–5030	4450–4750
kPa (kgf/cm², psi)		3138 (32.0, 455)	3040 (31.0, 441)	3138 (32.0, 455)	3138 (32.0, 455)	3040 (31.0, 441)
		↑ 1961 (20.0, 284)				
		↓ 490 (5.0, 71)				
N·m (kgf·cm, ft·lbf)	A	① 78 (800, 58) ② 90° ③ 90°				① 39 (400, 29) ② 90° ③ 90°
	B	23.5 (240, 17)				29 (290, 21)
	C	52 (530, 38)				
	D	64 (650, 47)				54 (540, 40)
	E	29.5 (300, 22)			46.58 (475, 22)	37 (375, 27)
kPa (kgf/cm², psi)		↑ 29 (0.3, 4.3)				
	3,000 rpm H	294–539 (3.0–5.5 / 43–78)				250–600 (2.5–6.1 / 36–87)

		2L	2L–T	3L	5L–E 2WD	5L–E 4WD	1KZ–TE
liter (US qts, Imp. qts)		5.3 (5.6, 4.7) (2WD except Pre Runner) 6.0 (6.3, 5.3) (4WD & Pre Runner)					6.4 (6.8, 5.6)
		6.0 (6.3, 5.3) (2WD except Pre Runner) 6.9 (7.3, 6.1) (4WD & Pre Runner)					7.1 (7.5, 6.2)
		API CF-4 or CF (You may also use API CE or CD)					
liter (US qts, Imp. qts)		w/Heater 9.5 (10.0, 8.4) w/o Heater 8.7 (9.2, 7.7)	9.7 (10.3, 8.5)	w/Heater 9.5 (10.0, 8.4) w/o Heater 8.7 (9.2, 7.7)	w/Heater 9.7 (10.3, 8.5) w/o Heater 8.9 (9.4, 7.8)	w/Heater 9.9 (10.5, 8.7) w/o Heater 9.1 (9.6, 8.0)	10.5 (11.1, 9,2)

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TOYOTA MOTOR CORPORATION

Pub. No. SDS441E

Hilux Diesel

LN141 – *0002293*~ LN145 – *0050297*~ LN146 – *0003975*~ LN147 – *0008074*~ LN150 – *0005308*~
LN152 – *0001223*~ LN166 – *0048219*~ LN167 – *0021778*~ LN170 – *0017507*~ LN171 – *0003550*~
LN172 – *0004504*~, *5000833*~ LN190 – *0001495*~ LN191 – *0001871*~ KZN165 – *0003287*~

TOYOTA QUALITY SERVICE

	LN
A	LHD : 173 *(6.811)* RHD : 177 *(6.968)*
B	5–15 *(0.197–0.591)*
C	⬆ 25 *(0.984)*
	SAE J1703 or FMVSS No. 116 DOT3

mm *(in.)*

	4×2 (Except Pre Runner)	4×4 (Include Pre Runner)
A	LHD : 161.1 *(6.343)* RHD : 167.7 *(6.579)*	
B	1–6 *(0.04–0.24)*	
C	LHD : 80 *(3.150)* RHD : 85 *(3.346)*	LHD : 75 *(2.953)* RHD : 80 *(3.150)*
	SAE J1703 or FMVSS No. 116 DOT3	

mm *(in.)*

196 N *(20 kgf, 44.1 lbf)*

11–17

A	⬆ 1.0 *(0.039)*	
B	⬆ 23.0 *(0.906)*	⬆ 18.0 *(0.709)*

mm *(in.)*

⬆ 1.0 *(0.039)*

mm *(in.)*

	⬇ 256 *(10.079)*	⬇ 297.0 *(11.693)*

mm *(in.)*

	4×2	4×4
	A+[5.9–17.7] *(0.6–1.8 / 1.3–4.0)*	A±[13–38] *(1.3–3.9 / 2.9–8.8)*

N *(kgf, lbf)*

	LN191 103 *(1050, 76)* Others 137 *(1400, 101)*	103 *(1050, 76)*

N·m *(kgf·cm, ft·lbf)*

	4×2	4×4
	2.2 *(2.3, 1.9)*	1KZ–TE 2.2 *(2.3, 1.9)* 3L (Except G.C.C.) 3.9 *(4.1, 3.4)* 2L–T 2.5 *(2.6, 2.2)* Others 2.8 *(3.0, 2.5)*
	API GL–4 or GL–5 SAE 75W–90	

liter *(US qts, Imp. qts)*

	2.4 *(2.5, 2.1)*	——
	ATF DII orDEXRON®III (DEXRON®II)	

liter *(US qts, Imp. qts)*

	——	LN166 ※1, 171 1.6 *(1.7, 1.4)* Others 1.1 *(1.2, 1.1)*
	API GL–4 or GL–5 SAE 75W–90	

liter *(US qts, Imp. qts)*

	——	G.C.C., LN191, LN192 2.4 *(2.5, 2.1)* LN190, KZN190 2.7 *(2.9, 2.4)* Others 1.8 *(1.9, 1.6)*	w/ A.D.D. 1.86 *(1.97, 1.65)* w/o A.D.D. 1.6 *(1.7, 1.4)*	1KZ–TE, 2L–T 2.7 *(2.9, 2.4)* Others 2.4 *(2.5, 2.1)*
	Hypoid gear oil API GL–5 With LSD use LSD oil only With A.D.D. use SAE 75W–90 SAE 90			

liter *(US qts, Imp. qts)*

	LN
	⬇ 30 *(1.18)*

mm *(in.)*

	4×2 B–cab Short	4×2 B–cab Long	4×2 W–cab	4×2 C–cab	4×4 (Include Pre Runner) B–cab	4×4 (Include Pre Runner) W–cab	4×4 (Include Pre Runner) C–cab
A, B, C	**Please refer to the Repair Manual Pub.No.RM651E, RM706E, 789E (Service Specification)**						
D	36° +1° −2°				33° +1° −2°		
	38° +1° −2°						
	Please refer to the Repair Manual Pub.No.RM651E, 789E (Service Specification)						

mm *(in.)*

6.00–14–6PRLT	200 *(2.0, 29)* ※2 180 *(1.8, 26)* ※3	—— ——
6.50–14–8PRLT	—— ——	425 *(4.25, 62)* ※2 240 *(2.4, 35)* ※3
185R14C–8PR	220 *(2.2, 32)*	450 *(4.5, 65)* ※12 220 *(2.2, 32)* ※8
195R14C–8PR	220 *(2.2, 32)* ※12 200 *(2.0, 29)* ※9	450 *(4.5, 65)* ※4, ※6, ※9 220 *(2.2, 32)* ※5, ※8 200 *(2.0, 29)* ※10
195R15C 195R15–6PRLT	180 *(1.8, 26)*	375 *(3.75, 54)*
205R16 (Reinfored radial tire)	170 *(1.7, 25)*	260 *(2.6, 38)* ※6, ※7 240 *(2.4, 35)* ※4, ※11 170 *(1.7, 25)* ※5, ※8
205R16C–6PR	170 *(1.7, 25)*	300 *(3.0, 44)* ※12 220 *(2.2, 32)* ※5
7.00–16–8PRLT	240 *(2.4, 35)*	425 *(4.25, 62)*
255/70R15 112LT	190 *(1.9, 28)*	240 *(2.4, 35)* ※4 190 *(1.9, 28)* ※12
205/70R15C–8PR	200 *(2.0, 29)*	400 *(4.0, 58)* ※2 200 *(2.0, 29)* ※3

kPa *(kgf/cm² or bar, psi)*

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※1: Except LN166L–PRMDSV ※2: Loaded ※3: Unloaded ※4: Australia (Loaded) ※5: Australia (Unloaded)
※6: Europe ※7: Israel (Loaded) ※8: Israel (Unloaded) ※9: LN145L–PRMDST and LN155L–TRMDST (Loaded)
※10: LN145L–PRMDST and LS155L–TRMDST (Unloaded) ※11: General ※12: Others

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