# SDS TOYOTA Land Cruiser Diesel

LJ120, 125
KZJ120, KDJ 120, 125

Sep. '02

| | | 5L–E | 1KZ–TE | 1KD–FTV |
|---|---|---|---|---|
| | cm³ or CC *(cu. in.)* | 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)* ※300–500 *(31–51)* | ——— |
| | | 15–20 *(0.59–0.79)* ※196–392 *(20–40)* | 15–21 *(0.59–0.83)* ※196–392 *(20–40)* | ——— |
| | | 10–15 *(0.39–0.59)* ※196–343 *(20–35)* | ——— | ——— |
| | | ——— | ——— | Used / New |
| 20°C *(68°F)* Ω | | 0.72 | | |
| 20°C *(68°F)* secs | | 3.2 | 1.1 | |
| mm *(in.)* | | ——— | | |
| | | ○ × × × | | ——— |
| kPa *(kgf/cm², psi)* | | 15200–16180 *(155–165 2205–2347)* | 14710–15690 *(150–160 2133–2276)* | ——— |
| | | 15790–16570 *(161–169 2290–2404)* | 15310–16090 *(156–164 2220–2334)* | ——— |
| mm *(in.)* | | 0.20–0.30 *(0.008–0.012)* | | |
| | | 0.40–0.50 *(0.016–0.020)* | 0.25–0.35 *(0.010–0.014)* | 0.35–0.45 *(0.014–0.018)* |

| | | | | |
|---|---|---|---|---|
| rpm | | 650–750 | | |
| | | 4750–5050 | 4450–4750 | 4500–4700 |
| kPa *(kgf/cm², psi)* | | 3138 *(32.0, 455)* | 3040 *(31.0, 441)* | 2700 *(27.5, 391)* |
| | | ↑ 1961 *(20.0, 284)* | | ↑ 2200 *(22.5, 320)* |
| | | ↓ 490 *(5.0, 71)* | | ↓ 500 *(5.0, 71)* |
| N·m *(kgf·cm, ft·lbf)* | A | ① 78 *(800, 58)* ② 90° ③ 90° | ① 40 *(408, 30)* ② 90° ③ 90° | ① 85 *(867, 63)* ② 90° ③ 90° |
| | B | 24 *(245, 18)* | 29 *(296, 21)* | |
| | C | 52 *(530, 38)* | | |
| | D | 64 *(653, 47)* | 54 *(551, 40)* | 22 *(224, 16)* |
| | E | 25 *(255, 18)* | 15 *(153, 11)* | 35 *(357, 26)* |
| kPa *(kgf/cm², psi)* | | ↑ 29 *(0.3, 4.2)* | | |
| | 3,000 rpm | 294–539 *(3.0–5.5 43–78)* | ↑ 245 *(2.5, 36)* | |

| | | 5L–E | 1KZ–TE | 1KD–FTV |
|---|---|---|---|---|
| liter *(US qts, Imp. qts)* | | 6.0 *(6.3, 5.3)* | 6.3 *(6.7, 5.5)* | 6.7 *(7.1, 5.9)* |
| | | 6.9 *(7.3, 6.1)* | 7.0 *(7.4, 6.2)* | 7.4 *(7.8, 6.5)* |
| | | API CF-4 or CF (You may also use API CE or CD) | | |
| liter *(US qts, Imp. qts)* | 2 4 R | 9.3 *(9.8, 8.2)* | 12.2 *(12.9, 10.7)* | w/ Viscous heater 11.3 *(11.9, 9.9)* w/o Viscous heater 11.1 *(11.7, 9.8)* |
| | | ——— | 12.0 *(12.7, 10.6)* | w/ Viscous heater 11.0 *(11.6, 9.7)* w/o Viscous heater 10.8 *(11.4, 9.5)* |

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TOYOTA MOTOR CORPORATION

Pub. No. SDS464E

# Land Cruiser Diesel

TOYOTA QUALITY SERVICE

| | | | |
|---|---|---|---|
| | | | |
| A | | 197.9–207.9 *(7.791–8.185)* | 193.9–203.9 *(7.634–8.028)* |
| B | | 5–15 *(0.20–0.59)* | |
| C | | 25 *(0.98)* | |
| mm *(in.)* | | SAE J1703 or FMVSS No. 116 DOT3 | |

| | | | |
|---|---|---|---|
| | | | |
| A | | 181.6–191.6 *(7.150–7.543)* | 180.6–190.6 *(7.110–7.504)* |
| B | | 1–6 *(0.04–0.24)* | |
| C | | ※1 ↑ 44 *(1.73)*<br>※2 ↑ 55 *(2.16)* | |
| mm *(in.)* | | SAE J1703 or FMVSS No. 116 DOT3 | |
| 196 N *(20 kgf, 44 lbf)* | | 5–7 | |
| | | | |
| A | | ↑ 1.0 *(0.039)* | |
| B | | ↑26 *(1.024)* | ↑16 *(0.63)* |
| mm *(in.)* | | | |
| mm *(in.)* | | ↓ 211 *(8.307)* | |

| | | |
|---|---|---|
| | | |
| N·m *(kgf·cm, ft·lbf)* | 113 *(1150, 83)* | |

| | | | |
|---|---|---|---|
| | | LJ | KZJ, KDJ |
| liter *(US qts, Imp. qts)* | | 2.2 *(2.3, 1.9)* | |
| | | API GL–4 or GL–5<br>SAE 75W–90 | |
| liter *(US qts, Imp. qts)* | | — | 2.0 *(2.1, 1.8)* |
| | | ATF TYPE T–IV | |
| liter *(US qts, Imp. qts)* | | Full–time type<br>1.4 *(1.5, 1.2)*<br>Part–time type<br>1.0 *(1.1, 0.9)* | |
| | | API GL–5<br>SAE 75W–90 | |
| liter *(US qts, Imp. qts)* | Others 3-door model | 1.4 *(1.5, 1.2)* | 2.4 *(2.6, 2.1)* (w/ Rr Differential lock)<br>2.5 *(2.6, 2.2)* (w/o Rr Differential lock) |
| | Others 5-door model | | 2.95 *(3.1, 2.6)* (w/ Rr Differential lock)<br>3.05 *(3.2, 2.7)* (w/o Rr Differential lock) |
| | Australia | | 2.95 *(3.1, 2.6)* (w/ Rr Differential lock)<br>3.05 *(3.2, 2.7)* (w/o Rr Differential lock) |
| | | Hypoid gear oil API GL–5<br>With LSD use LSD oil only<br>SAE 90 (↑ –18°C (0°F))<br>SAE 80W or 80W–90<br>(↓ –18°C (0°F)) | |

| | | |
|---|---|---|
| | | LJ, KZJ, KDJ |
| mm *(in.)* | | ↓ 30 (1.18) |

| | | 3–door model | 5–door model | |
|---|---|---|---|---|
| | | | Air suspention | Except air suspention |
| A | | 0°16′±45′ *(0.27°±0.75°)* | 0°19′±45′ *(0.32°±0.75°)* | |
| B | | 12°14′±45′ *(12.23°±0.75°)* | 12°11′±45′ *(12.18°±0.75°)* | |
| C | | 2°41′±45′ *(2.68°±0.75°)* | 2°56′±45′ *(2.93°±0.75°)* | 2°40′±45′ *(2.67°±0.75°)* |
| D | | 36°20′ +1° −2° *(36.33° +1° −2°)* | | |
| E+F | | 0°05′±0°10′ *(0.08°±0.16°)* | 0°10′±0°10′ *(0.16°±0.16°)* | |
| G–H | mm *(in.)* | 1±2 *(0.04+0.08)* | 2±2 *(0.08+0.08)* | |

| | | | |
|---|---|---|---|
| | | | |
| kPa *(kgf/cm², psi)* | 225/70R17 108S | 200 *(2.0, 29)* | 200 *(2.0, 29)*<br>260 *(2.7, 38)**1 |
| | 225/70R17C 108S | 200 *(2.0, 29)* | 200 *(2.0, 29)*<br>290 *(3.0, 42)**1 |
| | P265/65R17 110S | 200 *(2.0, 29)* | 200 *(2.0, 29)* |
| | 265/65R17 112S | 200 *(2.0, 29)*<br>190 *(1.9, 28)**2 | 200 *(2.0, 29)*<br>190 *(1.9, 28)**2 |

*1: Standard inflation for all loads including full rated loads
*2: Australia

※1: w/o Vehicle stability control system and active traction control system
※2: w/ Vehicle stability control system and active traction control system

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