# SDS TOYOTA Land Cruiser FZJ71, 74, 78, 79 Jan. '03

(Hardtop &Canvas Top)

| | | |
|---|---|---|
| | | 1FZ–FE |
| cm³ or CC *(cu. in.)* | | 4477 *(273.1)* |
| mm *(in.)* N *(kgf)* | | 15.0–20.0 *(0.59–0.79)*<br>※245–392 *(25–40)* |
| | | 7.0–9.5 *(0.28–0.37)*<br>※196–343 *(20–35)* |
| | DENSO | K16TR11 |
| | NGK | BKR5EKB–11 |
| | A mm *(in.)* | 1.1 *(0.043)* |
| kΩ | | 25 |
| BTDC | | 3°<br>(DLC3 Terminals 13 (TC) – 4 (CG) Connected) |
| mm *(in.)* | | 0.15–0.25 *(0.006–0.010)* |
| | | 0.25–0.35 *(0.010–0.014)* |
| rpm | | 600–700 |
| CO% *2 | | w/ TWC*1 0.5<br>w/o TWC*1 1.0–2.0 |

| | | |
|---|---|---|
| kPa *(kgf/cm², psi)* | | 1176 *(12.0, 171)* |
| | | 882 *(9.0, 128)* |
| | | 98 *(1.0, 14)* |
| kPa *(kgf/cm², psi)* | | 29 *(0.3, 4.3)* |
| | 3,000 rpm | 245–490 *(2.5–5.0, 36–71)* |
| N·m *(kgf–cm, ft–lbf)* | A | ① 39 *(400, 29)*<br>② 90°<br>③ 90° |
| | B | 20 *(210, 15)* |
| | C | 39 *(400, 29)* |

| | | |
|---|---|---|
| | | 1FZ–FE |
| liter *(US qts, Imp. qts)* | | 6.9 *(7.3, 6.1)* |
| | | Australia 7.2 *(7.6, 6.3)*<br>Others 7.4 *(7.8, 6.5)* |
| | | API grade SJ "Energy-Conserving", SL "Energy-Conserving" or ILSAC* multigrade engine oil |
| liter *(US qts, Imp. qts)* | | w/ Front Heater 13.8 *(14.6, 12.1)*<br>w/ Front and Rear Heaters 14.9 *(15.7, 13.1)*<br>w/o Heater 12.7 *(13.4, 11.2)* |

*ILSAC: International Lubricant Standardization and Approval Committee
*1 In the 2 mode (2,500 rpm and idle) test, follow the measurement order prescribed by the applicable local regulations
*2 TWC: Three–way catalytic converter

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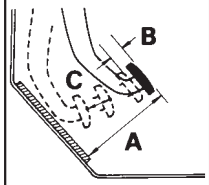
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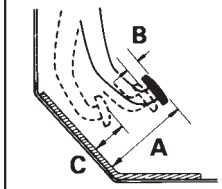
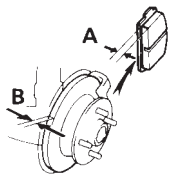
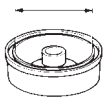
# Land Cruiser

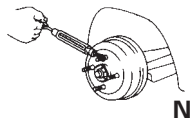
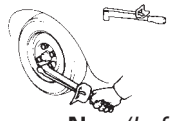
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FZJ79 – *0003180*~, *6012291*~, *8004257*~, *9000094*~

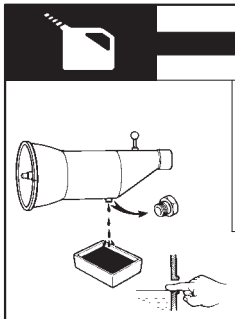
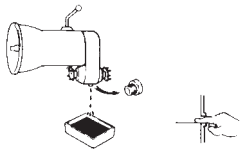
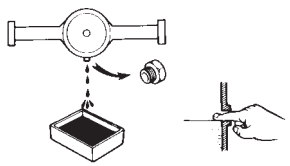
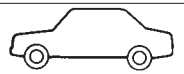
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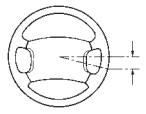
(Hardtop &Canvas Top)

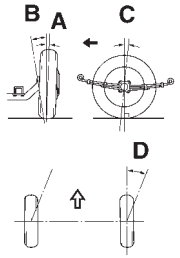
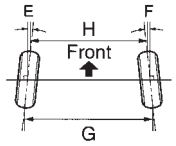
| | | FZJ |
|---|---|---|
|  | A | 186 *(7.32)* |
| | B | 5–15 *(0.20–0.59)* |
| | B | 15–30 *(0.59–1.18)* |
| | C | ⬆ 25 *(0.98)* |
| mm *(in.)* | | **SAE J1703 or FMVSS No.116 DOT3** |

| | | | |
|---|---|---|---|
|  | A | 161.6–171.6 *(6.36–6.76)* | 164.7–174.7 *(6.48–6.88)* |
| | B | 1–6 *(0.04–0.24)* | |
| | C | ⬆ 68 *(2.68)* | |
| mm *(in.)* | | **SAE J1703 or FMVSS No. 116 DOT3** | |
|  **196 N** *(20 kgf, 44.1 lbf)* | | 7–9 | |
|  mm *(in.)* | A | ⬆ 1.0 *(0.039)* | |
| | B | ⬆ 30.0 *(1.181)* | ⬆ 16.0 *(0.630)* |
|  mm *(in.)* |  | —— | ⬆ 1.0 *(0.039)* |
| |  | | ⬆ 1.5 *(0.059)* |
|  mm *(in.)* |  | —— | ⬇ 211.0 *(8.307)* |
| |  | | ⬇ 297.0 *(11.693)* |

| | | |
|---|---|---|
|  |  | |
|  **N** *(kgf, lbf)* | 26–52 *(2.7–5.3 6.0–11.7)* | 24–53 *(2.4–5.3 5.3–11.7)* |
|  **N·m** *(kgf–cm, ft–lbf)* | Steel wheels 209 *(21.3, 154.2)* Aluminum wheels 131 *(13.4, 96.6)* | |

| | | |
|---|---|---|
|  |  | 2.7 *(2.9, 2.4)* |
| **liter** *(US qts, Imp. qts)* | | **API GL–4 or GL–5 SAE 75W–90** |
|  | | 1.5 *(1.6, 1.3)* |
| **liter** *(US qts, Imp. qts)* | | **API GL–4 or GL–5 SAE 75W–90** |
|  |  | |
| | 2.6 *(2.7, 2.3)* | W/ Differential lock 2.3 *(2.4, 2.0)* W/o Differential lock 2.4 *(2.5, 2.1)* |
| **liter** *(US qts, Imp. qts)* | | **Hypoid gear oil API GL–5 With LSD use LSD oil only SAE90** ( ⬆ –18°C *(0°F)*) **SAE80W or 80W–90** ( ⬇ –18° *(0°F)*) |

| | FZJ |
|---|---|
|  mm *(in.)* | ⬇ 40 *(1.57)* |

| | | FZJ 71, 74, 78 | FZJ 79 |
|---|---|---|---|
|  | A | 1°±45′ *(1°±0.75°)* | |
| | B | 13°±45′ *(13°±0.75°)* | |
| | C | 4°20′±45′ *(4.33°±0.75°)* | 3°35′±45′ *(3.58°±0.75°)* |
| | D | 32° *(28°–32°)* | |
|  | E+F | ⬆ 0°00′±12′ *(0.0°±0.2°)* | |
| | | ⬇ 0°12′±12′ *(0.2°±0.2°)* | |
| | G–H mm *(in.)* | ⬆ 0±2 *(0.00±0.08)* | |
| | | ⬇ 2±2 *(0.08±0.08)* | |

| | | | Unladen vehicle | | Fully laden vehicle | |
|---|---|---|---|---|---|---|
| **Australia** Kpa *(kgf/cm², psi)* | FZJ78 | 7.50R16 112/107R | 250*3 *(2.5, 36)* | 275*3 *(2.75, 40)* | 250 *(2.5, 36)* | 475 *(4.75, 69)* |
| | FZJ79 | 7.50R16 112/107R | 250*4 *(2.5, 36)* | | 250 *(2.5, 36)* | 475 *(4.75, 69)* |
| | | 7.50R-16-8PRLT*5 | 240*4 *(2.4, 35)* | | 240 *(2.4, 35)* | 425 *(4.25, 62)* |
| **Others** Kpa *(kgf/cm², psi)* | FZJ71, 74 | 7.50-16-6PRLT (FZJ71 only) | 180*2 *(1.8, 26)* | | 180 *(1.8, 26)* | 325 *(3.25, 47)* |
| | | 7.50R16-6PRLT 7.50R16 112/107R 7.50R16C 112/110R | 200*2 *(2.0, 29)* | | 200 *(2.0, 29)* | 375 *(3.75, 54)* |
| | | 265/70R16 112S*1 | 180*2 *(1.8, 26)* | | 180 *(1.8, 26)* | 220 *(2.2, 32)* |
| | | 255/70R16 109S*6 (FZJ71 only) | 200*2 *(2.0, 29)* | | 200 *(2.0, 29)* | 240 *(2.4, 24)* |
| | FZJ78, 79 | 7.50-16-8PRLT | 240 *(2.4, 35)* FZJ78*3, FZJ79*4 | | 240 *(2.4, 35)* | 425 *(4.25, 62)* |
| | | 7.50R16 112/107R 7.50R16C 112/110R | 250 *(2.5, 36)* FZJ78*3,7 FZJ79*4,7 | 300 *(3.0, 44)* FJZ78*3,7 FZJ79*4,7 | 250*7 *(2.5, 36)* | 475*7 *(4.75, 69)* |
| | | | 200 *(2.0, 29)* FZJ78*3,6 FZJ79*4,6 | | 200*6 *(2.0, 29)* | 375*6 *(3.75, 54)* |
| | | 225/95 R16C 118/116R (FZJ79 only) | 220*4 *(2.2, 32)* | 260*4 *(2.6, 38)* | 220 *(2.2, 32)* | 450 *(4.5, 65)* |
| | | 265/70 R16C 115RLT (FZJ79 only) | 250*4 *(2.5, 36)* | | 250 *(2.5, 36)* | 350 *(3.5, 51)* |

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*1 With over fender
*2 Unladen with 2 occupants and 200 kg (440.9 lb.) of luggage or less
*3 Unladen with 2 occupants and 400 kg (881.8 lb.) of luggage or less
*4 Unladen with 2 occupants and 500 kg (1102.3 lb.) of luggage or less
*5 Papua New Guinea only
*6 Only models for Venezuela
*7 Except models for Venezuela

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