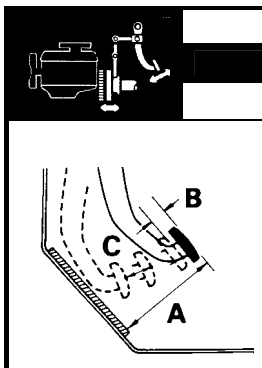
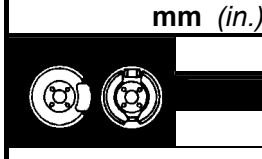
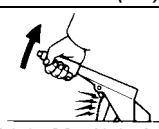
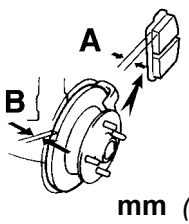
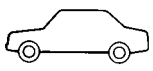
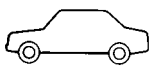
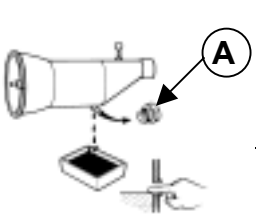
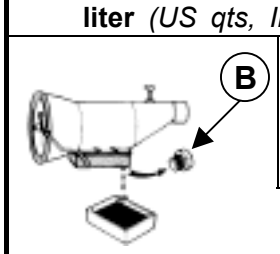
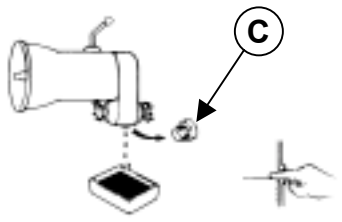
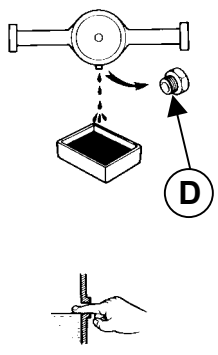
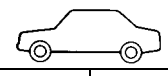
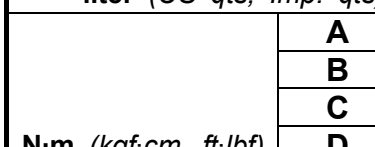
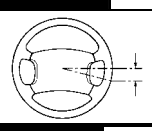
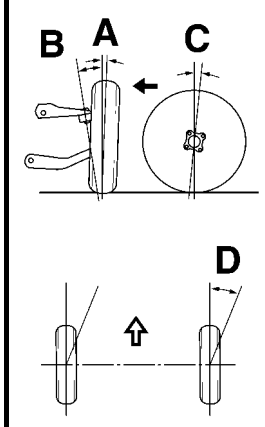
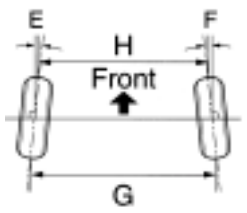
| | | | |
|---|---|---|---|
|  | | | |
| | A | 197.9 to 207.9 (7.791 to 8.185) | 193.9 to 203.9 (7.634 to 8.028) |
| | B | 5 to 15 (0.20 to 0.60) | |
| | C | ⬆ 25 (0.98) | |
| mm (in.) |  | SAE J1703 or FMVSS No. 116 DOT3 | |

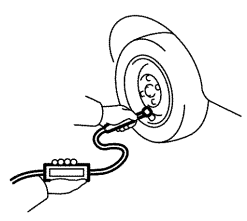
| | | TRJ | GRJ |
|---|---|---|---|
|  | A | LHD: 181.6 to 191.6 (7.15 to 7.54)<br>RHD: 180.6 to 190.6 (7.11 to 7.50) | |
| | B | 1 to 6 (0.04 to 0.24) | |
| | C*1 | ⬆ 52 (2.05)*2<br>⬆ 55 (2.17)*3<br>⬆ 55 (2.17)*4 | |
| mm (in.) |  | SAE J1703 or FMVSS No. 116 DOT3 | |
|  196 N (20 kgf, 44 lbf) | | 5 to 7 | |
|  mm (in.) |  | | |
| | A | ⬆ 1.0 (0.039) | |
| | B | ⬆ 26 (1.02) | ⬆ 16 (0.63) |
|  mm (in.) | | ⬆ 1.0 (0.039) | |
|  mm (in.) | | ⬇ 211 (8.307) | |
|  |  | | |
|  N·m (kgf·m, ft·lbf) | | 113 (11.5, 83) | |

| | | TRJ | GRJ |
|---|---|---|---|
|  | | | |
|  | 1 3 5 / 2 4 R | 2.2 (2.3, 1.9) | —— |
| | R 1 3 5 / 2 4 6 | —— | 1.8 (1.9, 1.6) |
| liter (US qts, Imp. qts) | | API GL-4 or GL-5<br>SAE 75W-90 | |
|  |  | 4-Speed<br>Level Gauge Type<br>2.0 (2.1, 1.8) | 5-Speed<br>Overflow Type<br>3.0 (3.2, 2.6) |
| liter (US qts, Imp. qts) | | Toyota Genuine ATF Type T-IV | Toyota Genuine ATF WS |

| | | |
|---|---|---|
|  liter (US qts, Imp. qts) | | 1.4 (1.5, 1.2) |
| | | Hypoid gear oil API GL-5<br>SAE 75W-90 |
|  | |  |
| | Australia | 1.4 (1.5, 1.2) — w/ Rear Differential Lock 2.95 (3.1, 2.6); w/o Rear Differential Lock 3.05 (3.2, 2.7) |
| | Others — 3-door model | 1.4 (1.5, 1.2) — w/ Rear Differential Lock 2.4 (2.6, 2.1); w/o Rear Differential Lock 2.5 (2.6, 2.2) |
| | Others — 5-door model | 1.4 (1.5, 1.2) — w/ Rear Differential Lock 2.95 (3.1, 2.6); w/o Rear Differential Lock 3.05 (3.2, 2.7) |
| liter (US qts, Imp. qts) | | Hypoid gear oil API GL-5<br>With LSD use LSD oil only<br>SAE 90 (⬆ -18°C (0°F))<br>SAE 80W, 80W-90 (⬇ -18°C (0°F)) |

| | | |
|---|---|---|
|  N·m (kgf·cm, ft·lbf) | A | 37 (377, 27) |
| | B | 20 (204, 15) |
| | C | 37 (377, 27) |
| | D | 49 (500, 36) |
|  | | TRJ·GRJ |
|  mm (in.) | | ⬇ 30 (1.2) |

| | | 3-door model | 5-door model |
|---|---|---|---|
|  | 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°) | Normal suspension 2°40´±45´ (2.67°±0.75°)<br>Air suspension 2°56´±45´ (2.93°±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)*5 |
| | 225/70R17C 108S | 200 (2.0, 29) | 200 (2.0, 29)<br>290 (3.0, 42)*5 |
| | P265/65R17 110S | 200 (2.0, 29) | 200 (2.0, 29) |
| | 265/65R17 112S | 200 (2.0, 29)<br>190 (1.9, 28)*6 | 200 (2.0, 29)<br>190 (1.9, 28)*6 |

*1 When brake pedal is depressed with the force of 490 N (50 kgf, 110 lbf) while the engine is running. *2 With ABS *3 Without ABS

*4 With VSC *5 Standard inflation for all loads including full rated loads. *6 Australia

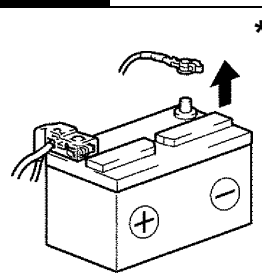
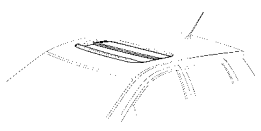
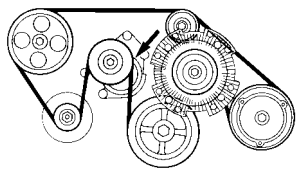
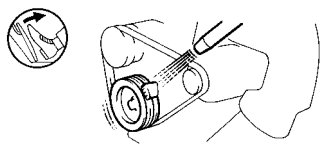
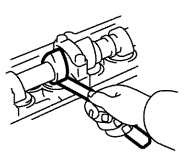
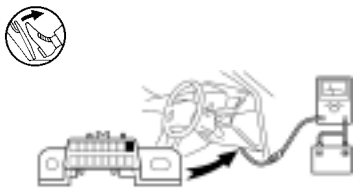
Printed in Japan ⓘ

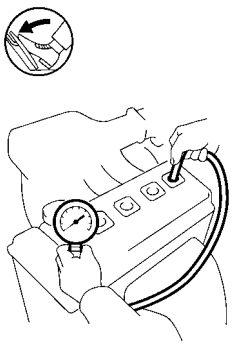
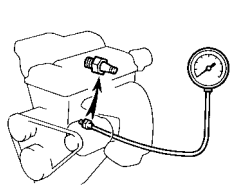
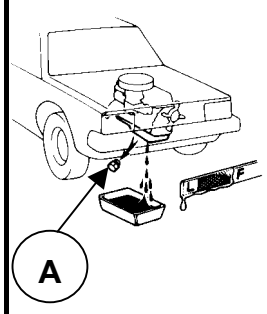
TOYOTA MOTOR CORPORATION Pub. No. SDS484E

# Land Cruiser

TRJ120, 125
GRJ120, 125

TOYOTA QUALITY SERVICE

| | TRJ | GRJ |
|---|---|---|
|  *1 |  *2  *3 | |
|  20°C (68°F) | 1.25 to 1.29 | |
| | **2TR-FE** | **1GR-FE** |
| cm³ or cc (cu. in.) | 2694 (164.4) | 3956 (241.4) |
|  |  —— | |
|  DENSO | SK20HR11*4 K20HR-U11*5 | K20HR-U11 |
| NGK | ILFR6C11*4 LFR6C11*5 | LFR6C11 |
| A mm (in.) | 1.0 to 1.1 (0.039 to 0.043) | 1.1 (0.043) |
|  BTDC | 3 to 7° (DLC3 Terminals 13 (TC) – 4 (CG) connected) | 7 to 24° (DLC3 Terminals 13 (TC) – 4 (CG) connected) |
|  mm (in.) | —— | 0.15 to 0.25 (0.006 to 0.010) |
| | —— | 0.29 to 0.39 (0.011 to 0.015) |
|  rpm | 600 to 700 | 650 to 750 |

| | | | |
|---|---|---|---|
|  kPa (kgf/cm², psi) | | 1230 (12.5, 178) | 1300 (13.3, 189) |
| | | ⬆ 883 (9.0, 128) | ⬆ 1000 (10.2, 145) |
| | | ⬇ 98 (1.0, 14) | ⬇ 100 (1.0, 15) |
|  kPa (kgf/cm², psi) | | ⬆ 29 (0.3, 4.2) | |
| | 3,000rpm | 160 to 490 (1.6 to 5.3, 23 to 75) | 294 to 588 (3.0 to 6.0, 43 to 85) |
| | | 2TR-FE | 1GR-FE |
|  liter (US qts, imp. qts) | | 5.0 (5.3, 4.4) | 4.9 (5.2, 4.3) |
| | | 5.7 (6.0, 5.0) | 5.2 (5.5, 4.6) |
| | | 20W-50 and 15W-40 API grade SJ or SL multigrade engine oil<br>10W-30 and 5W-30 API grade SJ "Energy-Conserving", SL "Energy-Conserving" or ILSAC*6 multigrade engine oil | |
| N·m (kgf-cm, ft-lbf) | A | 40 (408, 30) | |
|  liter (US qts, imp. qts) | | M/T 8.3 (8.8, 7.3)<br>A/T 8.1 (8.6, 7.1) | M/T 9.4 (9.9, 8.3)<br>A/T 9.8 (10.4, 8.6) |

*1 Initialization required. Refer to the repair manual for the initialization procedures. *2 Power Window *3 Sliding Roof System

*4 Unleaded Gasoline *5 Leaded Gasoline *6 ILSAC: International Lubricant Standardization and Approval Committee

© 2005 TOYOTA MOTOR CORPORATION

Overseas Customer Service Technical Division: 01-050126-00