

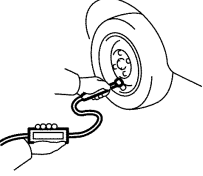
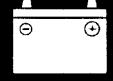
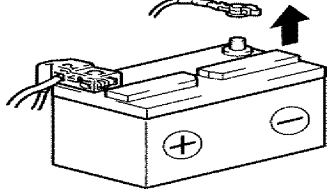
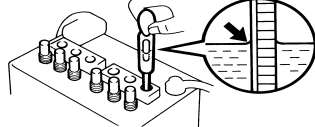
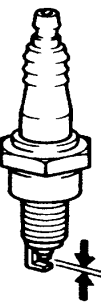
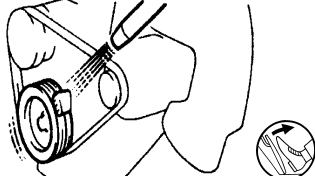
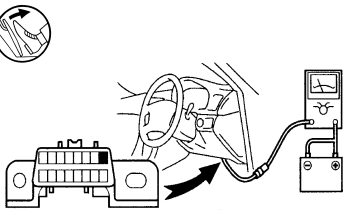
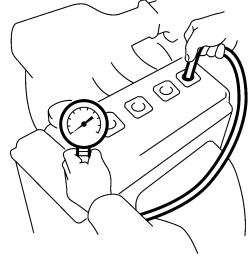




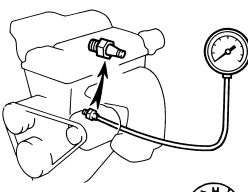



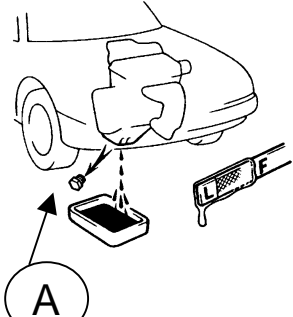




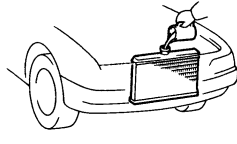


| | | | |
|--|----------|------------------------------------|----------------|
| | | | |
| mm (in.) | A | 129.9 to 139.9 (5.114 to 5.508) | |
| | B | 1.0 to 6.0 (0.039 to 0.236) | |
| | C | 61 (2.402) | |
| SAE J1703 or FMVSS No. 116 DOT3 | | | |
| 300 N (31 kgf, 67 lbf) | | 7 to 10 | |
| mm (in.) | A | 1.0 (0.039) | |
| | B | 25.0 (0.983) | 8.5 (0.334) |
| mm (in.) | | 1.0 (0.039) | |
| mm (in.) | | 171.0 (6.73) | |

| | | | | |
|---|----------|----------------------------------|----------------------------------|------------------------|
| | | GSV | | |
| A liters (US qts, Imp. qts) | | Dry fill 6.57 (6.94, 5.78) | | |
| N·m (kgf-cm, ft-lbf) | | A | 40 (408, 30) | |
| | | GSV | | |
| N·m (kgf-cm, ft-lbf) | | 103 (1050, 76) | | |
| | | GSV | | |
| mm (in.) | | 30 (1.18) | | |
| | | | | |
| mm (in.) | A | -0°43' ± 45' (-0.72° ± 0.75°) | -1°21' ± 45' (-1.35° ± 0.75°) | |
| | B | 12°20' (12.33°) | - | |
| | C | 2°57' ± 45' (2.95° ± 0.75°) | - | |
| | D | 38°31' ± 2° (38.52° ± 2°) | - | |
| mm (in.) | | H-I | 0 ± 2 (0 ± 0.08) | 4 ± 2 (0.16 ± 0.08) |

| | | |
|---|----------------------|---|
|  | |  |
| km/h (mph) | | |
|  | China | |
| | ↑ 160 (100) | 290 (3.0, 42) |
| | ↓ 160 (100) | 210 (2.1, 31) |
| kPa (kgf/cm ² or bar, psi) | Except China | |
| | ↑ 160 (100) | 240 (2.4, 35) |
| | ↓ 160 (100) | 210 (2.1, 31) |
|  | | GSV |
|  | | *1 |
|  | 20°C (68°F) | 1.25 to 1.29 |
|  | | 2GR-FE |
| cm³ or cc (cu.in.) | | 3456 (210.9) |
| | DENSO | FK20HR11 |
| | A mm (in.) | 1.0 to 1.1 (0.0394 to 0.0433) |
|  | BTDC | 8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected) |
|  | rpm | 600 to 700 |

| | | |
|---|---|---|
|  |  | 1400 (14.0, 199) |
|  |  | ↑ 980 (10.0, 142) |
| |  | ↓ 100 (1.0, 15) |
|  |  | ↑ 80 (0.8, 11.6) |
| kPa (kgf/cm ² , psi) |  | 6000 rpm: ↑ 380 (3.9, 55.5) |
|  | | GSV |
|  |  | 5.7 (6.0, 5.0) |
|  |  | 6.1 (6.4, 5.4) |
| liters (US qts, Imp. qts) | | 20W-50 and 15W-40: API grade SL or SM multigrade engine oil 10W-30 and 5W-30: API grade SL Energy-Conserving, SM Energy-Conserving or ILSAC ² multigrade engine oil |
| N·m (kgf-cm, ft-lbf) |  | 40 (408, 30) |
|  | | 9.0 (9.5, 7.9) |
| liters (US qts, Imp. qts) | | |

*1: Initialization required. Refer to the repair manual for the initialization procedures.

*2: ILSAC : International Lubricant Standardization and Approval Committee

| | | | |
|----------------------------|----------|------------------------------------|-------------------------------|
| | | | |
| mm (in.) | A | 129.9 to 139.9 (5.114 to 5.508) | |
| | B | 1.0 to 6.0 (0.039 to 0.236) | |
| | C | 61 (2.402) | |
| | | SAE J1703 or FMVSS No. 116 DOT3 | |
| 300 N (31 kgf, 67 lbf) | | 7 to 10 | |
| mm (in.) | | | |
| | | A | 1.0 (0.039) |
| | | B | 25.0 (0.983) 8.5 (0.334) |
| mm (in.) | | 1.0 (0.039) | |
| mm (in.) | | 171.0 (6.73) | |

| | | | |
|--------------------------|--|----------------------------|---|
| | | ACV | GSV |
| A | | Dry fill 7.8 (8.3, 6.9) | Dry fill 6.57 (6.94, 5.78) |
| liters (US qts, Imp.qts) | | Toyota Genuine ATF WS | |
| N·m (kgf-cm, ft-lbf) | | A | 49 (500, 36) 40 (408, 30) |
| | | ACV, GSV | |
| N·m (kgf-cm, ft-lbf) | | 103 (1050, 76) | |
| | | ACV, GSV | |
| mm (in.) | | 30 (1.18) | |
| | | | |
| A B C D | | A | -0°43' ± 45' (-0.72° ± 0.75°) -1°21' ± 45' (-1.35° ± 0.75°) |
| | | B | 12°20' (12.33°) - |
| | | C | 2°57' ± 45' (2.95° ± 0.75°) - |
| | | D | 38°31' ± 2° (38.52° ± 2°) - |
| I Front ↑ H | | H-I | 0 ± 2 (0 ± 0.08) 4 ± 2 (0.16 ± 0.08) |

| | | | |
|--|-----------------------------|---|---------------|
| | | | |
| | | km/h (mph) | |
| kPa (kgf/cm ² or bar, psi) | China | ↑ 160 (100) | 290 (3.0, 42) |
| | | ↓ 160 (100) | 210 (2.1, 31) |
| | Except China | ↑ 160 (100) | 240 (2.4, 35) |
| | | ↓ 160 (100) | 210 (2.1, 31) |
| | | ACV, GSV | |
| *1 | | *2 | |
| Smart Entry and Start System (Door Lock) | | | |
| 20°C (68°F) | | 1.25 to 1.29 | |
| | | 2AZ-FE | 2GR-FE |
| cm³ or cc (cu.in.) | | 2362 (144.1) | 3456 (210.9) |
| A | DENSO | SK20R11 | FK20HR11 |
| | NGK | IFR6A11 | - |
| | A mm (in.) | 1.0 to 1.1 (0.0394 to 0.0433) | |
| BTDC | | 8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected) | |
| rpm | | 610 to 710 | 600 to 700 |



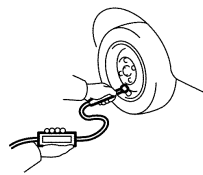
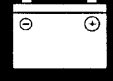
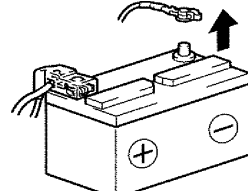
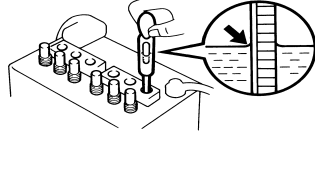
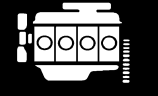
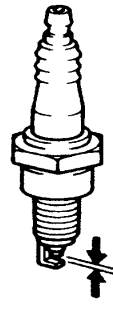
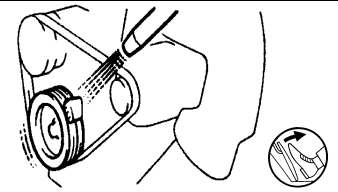
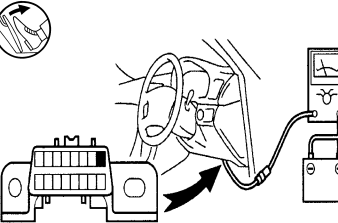
| | | | |
|---|----------|--|---|
| kPa (kgf/cm ² , psi) | | 1300 (13.3, 189) | 1400 (14.0, 199) |
| | | ↑ 1000 (10.0, 145) | ↑ 980 (10.0, 142) |
| | | ↓ 100 (1.0, 15) | |
| | | | |
| kPa (kgf/cm², psi) | | ↑ 32 (0.3, 4.6) | ↑ 80 (0.8, 11.6) |
| | | 3000 rpm: ↑ 170 to 300 (1.7 to 3.1, 25 to 44) | 6000 rpm: ↑ 380 (3.9, 55.5) |
| | | ACV | GSV |
| A | | 4.1 (4.3, 3.6) | 5.7 (6.0, 5.0) |
| | | 4.3 (4.5, 3.8) | 6.1 (6.4, 5.4) |
| liters (US qts, Imp. qts) | | 20W-50 and 15W-40: API grade SL or SM multigrade engine oil | 20W-50 and 15W-40: API grade SL or SM multigrade engine oil |
| | | 0W-20, 5W-20, 5W-30 and 10W-30: API grade SL Energy-Conserving, SM Energy-Conserving or ILSAC*3 multigrade engine oil | 10W-30 and 5W-30: API grade SL Energy-Conserving, SM Energy-Conserving or ILSAC*3 multigrade engine oil |
| N·m (kgf-cm, ft-lbf) | A | 40 (408, 30) | |
| | | 6.2 (6.6, 5.5) | 9.0 (9.5, 7.9) |
| liters (US qts, Imp. qts) | | | |

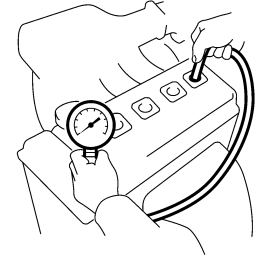





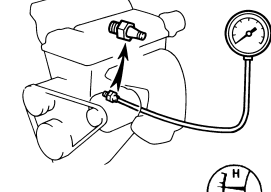


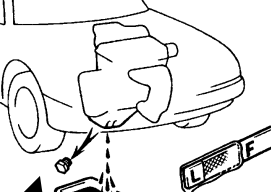


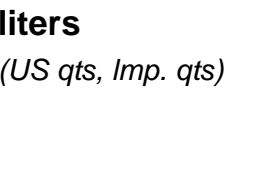
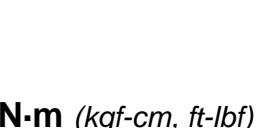

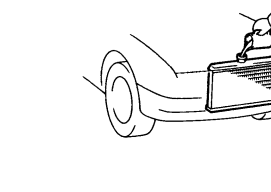
*1: Initialization required. Refer to the repair manual for the initialization procedures. *2: Sliding Roof System

*3: ILSAC : International Lubricant Standardization and Approval Committee

| | | | |
|-----------------------------------|----------|--|--------------|
| | | | |
| mm (in.) | A | 129.9 to 139.9 (5.114 to 5.508) | |
| | B | 1.0 to 6.0 (0.039 to 0.236) | |
| | C | 61 (2.402) | |
| | | SAE J1703 or FMVSS No. 116 DOT3 | |
| 300 N (31 kgf, 67 lbf) | | 7 to 10 | |
| mm (in.) | | | |
| | | A | 1.0 (0.039) |
| | | B | 25.0 (0.983) |
| | | | 8.5 (0.334) |
| mm (in.) | | 1.0 (0.039) | |
| mm (in.) | | 171.0 (6.73) | |

| | | | |
|---------------------------------|----------|----------------------------------|----------------------------------|
| | | ACV | GSV |
| A | | Dry fill 7.8 (8.3, 6.9) | Dry fill 6.57 (6.94, 5.78) |
| liters (US qts, Imp.qts) | | Toyota Genuine ATF WS | |
| N·m (kgf-cm, ft-lbf) | | A 49 (500, 36) | 40 (408, 30) |
| | | ACV, GSV | |
| N·m (kgf-cm, ft-lbf) | | 103 (1050, 76) | |
| | | ACV, GSV | |
| mm (in.) | | 30 (1.18) | |
| | | | |
| | A | -0°43' ± 45' (-0.72° ± 0.75°) | -1°21' ± 45' (-1.35° ± 0.75°) |
| | B | 12°20' (12.33°) | - |
| | C | 2°57' ± 45' (2.95° ± 0.75°) | - |
| | D | 38°31' ± 2° (38.52° ± 2°) | - |
| H-I mm (in.) | | 0 ± 2 (0 ± 0.08) | 4 ± 2 (0.16 ± 0.08) |

|  | | km/h (mph) | |  | | |
|---|----------------------|---|---------------|---|--|--|
|  kPa (kgf/cm ² or bar, psi) | China | ↑ 160 (100) | 290 (3.0, 42) | | | |
| | | ↓ 160 (100) | 210 (2.1, 31) | | | |
| | GCC Taiwan | ↑ 160 (100) | 240 (2.4, 35) | | | |
| | | ↓ 160 (100) | 210 (2.1, 31) | | | |
| | Russia | ↑ 210 (131) | 290 (3.0, 42) | 220 (2.2, 32) | | |
| | | ↓ 210 (131) | 250 (2.5, 36) | 250 (2.5, 36) | | |
| ↑ 160 (100) | | 220 (2.2, 32) | | | | |
| | | ↓ 160 (100) | 210 (2.1, 31) | | | |
|  | | ACV, GSV | | | | |
| *1 | | *2 | | | | |
|  | | Smart Entry and Start System (Door Lock) | | | | |
|  20°C (68°F) | | 1.25 to 1.29 | | | | |
|  | | 2AZ-FE | 2GR-FE | | | |
| cm ³ or cc (cu.in.) | | 2362 (144.1) | 3456 (210.9) | | | |
|  | DENSO | SK20R11 | FK20HR11 | | | |
| | NGK | IFR6A11 | - | | | |
| | A mm (in.) | 1.0 to 1.1 (0.0394 to 0.0433) | | | | |
|  BTDC | | 8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected) | | | | |
|  rpm | | 610 to 710 | 600 to 700 | | | |

| | | | |
|--|--|---|--|
|  kPa (kgf/cm ² , psi) |  | 1300 (13.3, 189) | 1400 (14.0, 199) |
| |  | ↑ 1000 (10.0, 145) | ↑ 980 (10.0, 142) |
|  kPa (kgf/cm ² , psi) |  | ↓ 100 (1.0, 15) | |
| |  | ↑ 32 (0.3, 4.6) | ↑ 80 (0.8, 11.6) |
|  kPa (kgf/cm ² , psi) |  | 3000 rpm: ↑ 170 to 300 (1.7 to 3.1, 25 to 44) | 6000 rpm: ↑ 380 (3.9, 55.5) |
| |  | | ACV |
|  liters (US qts, Imp. qts) |  | 4.1 (4.3, 3.6) | 5.7 (6.0, 5.0) |
| |  | 4.3 (4.5, 3.8) | 6.1 (6.4, 5.4) |
|  liters (US qts, Imp. qts) | 20W-50 and 15W-40: API grade SL or SM multigrade engine oil | | 20W-50 and 15W-40: API grade SL or SM multigrade engine oil |
| | 0W-20, 5W-20, 5W-30 and 10W-30: API grade SL Energy-Conserving, SM Energy-Conserving or ILSAC*3 multigrade engine oil | | 10W-30 and 5W-30: API grade SL Energy-Conserving, SM Energy-Conserving or ILSAC*3 multigrade engine oil |
|  N·m (kgf-cm, ft-lbf) |  | 40 (408, 30) | |
| |  liters (US qts, Imp. qts) | 6.2 (6.6, 5.5) | 9.0 (9.5, 7.9) |

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

*3: ILASAC : International Lubricant Standardization and Approval Committee