

| | | | |
|----------|------------------------------------|--|-------------------------|
| | | GWS191 | |
| | A | 120.5 to 130.5 (4.744 to 5.138) | |
| | B | ±2.0 (0.079) | |
| | C*1 | LHD | RHD |
| | | ±73 (2.87) | ±86 (3.38) |
| | | SAE J1703 or FMVSS No. 116 DOT3 | |
| | 300 N (31 kgf, 67.5 lbf) | 7 to 9 | |
| | A | ±1.0 (0.039) | |
| | B | | |
| | | ±27.0 (1.063) | ±16.5 (0.650) |
| | mm (in.) | ±1.0 (0.039) | |
| | mm (in.) | ±191.0 (7.52) | |
| | | GWS191 | |
| | liter (US qts, Imp. qts) | _____ | |
| | liter (US qts, Imp. qts) | 1.30 to 1.40 (1.38 to 1.48, 1.15 to 1.23) | |
| | | Toyota Genuine Differential gear oil LT 75W-85 GL-5 or their equivalent | |
| A | N*m (kgf*cm, ft.*lbf) | 20 (204, 15) | |
| B | | 49 (500, 36) | |

| | | | |
|--|--------------------------|--|---|
| | | GWS191 | |
| | N*m (kgf*cm, ft.*lbf) | 103 (1050, 76) | |
| | | GWS191 | |
| | mm (in.) | ±30 (1.18) | |
| | | | |
| | A | -0°26' +-45' (-0.43°+-0.75°) | -1°19' +-45' (-1.32°+-0.75°) |
| | B | 9°26' +-45' (9.43°+-0.75°) | _____ |
| | C | 7°26' +-45' (7.43°+-0.75°) | _____ |
| | D | 41°48' +-2° (41.80°+-2°) | _____ |
| | mm (in.) | 1 +-2 (0.04 +-0.08) | 3 +-2 (0.12 +-0.08) |
| | | | |
| | | km/h (mph) | |
| | ±210 (132) | Up to 4 occupants | 270 (2.7, 39) 290 (2.9, 42) |
| | | More than 4 occupants | 280 (2.8, 41) 330 (3.3, 48) |
| | ±210 (132) | Up to 4 occupants | 250 (2.5, 36) 260 (2.6, 38) |
| | ±160 (100) | More than 4 occupants | 250 (2.5, 36) 280 (2.8, 41) |
| | ±160 (100) | Up to 4 occupants | 240 (2.4, 35) 240 (2.4, 35) |
| | | More than 4 occupants | 240 (2.4, 35) 270 (2.7, 39) |

*1: When the brake pedal is depressed with the force of 196 N (20 kgf, 44 lbf) while the engine is running.

| | | | |
|---------------------------------|--|------------------------------------|-------------|
| | | GWS191 | |
| *2 | *3 | *4 | |
| | *5 | *6 | VGRS |
| 20°C (68°F) | 1.25 to 1.29 | | |
| | | 2GR-FSE | |
| cm ³ or CC (cu. in.) | | 3456 (210.9) | |
| | | | |
| A | DENSO | FK20HBR11 | |
| | NGK | _____ | |
| | A mm (in.) | 1.0 to 1.1 (0.039 to 0.043) | |
| BTDC | 8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected) | | |
| | | _____ | |
| | | _____ | |
| | | 950 to 1050 | |
| rpm | | | |

| | | |
|---|---------------------------------|---|
| | | 1000 (10, 143) |
| | | ↑700 (7.1, 101) |
| | | ↓100 (1.0, 15) |
| kPa (kgf/cm ² , psi) | | |
| | | ↑100 (1.0, 14.6) |
| | 2500 rpm | ↑250 (2.6, 36.4) |
| kPa (kgf/cm ² , psi) | | |
| | | 2GR-FSE |
| A | | 5.9 (6.2, 5.2) |
| | | 6.3 (6.7, 5.5) |
| | liter (US qts, Imp. qts) | |
| | 20W-50 15W-40 | API grade SL or SM multigrade engine oil |
| | 10W-30 5W-30 | API grade SL, "Energy-Conserving", SM "Energy-Conserving" or ILSAC*7 multigrade engine oil |
| N*m (kgf*cm, ft.*lbf) | | 40 (408, 30) |
| | | 9.3 (9.8, 8.1) |
| liter (US qts, Imp. qts) | | |

*2: The initialization is required. Refer to the repair manual for the initialization procedures.


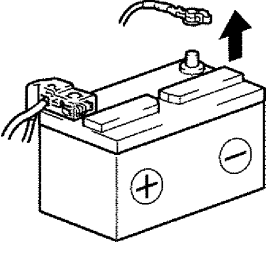

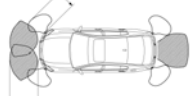
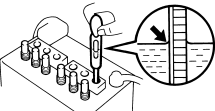

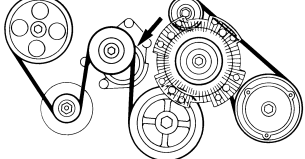
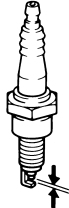
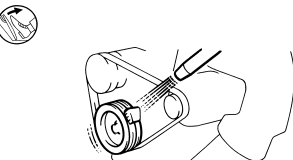
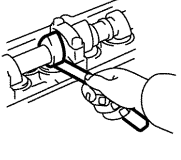


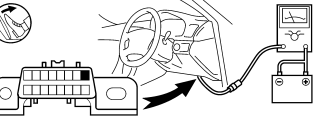

*3: Power Window Control System *4: Sliding Roof System *5: Clearance Sonar System *6: Variable Gear Ratio Steering System

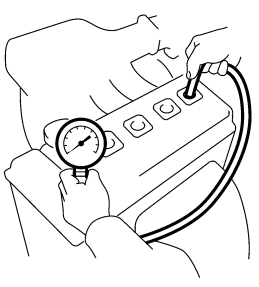




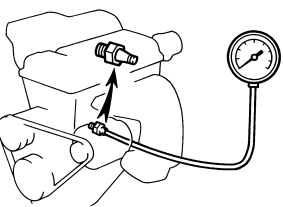



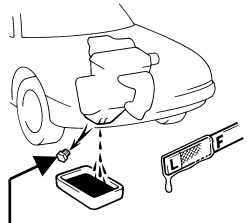



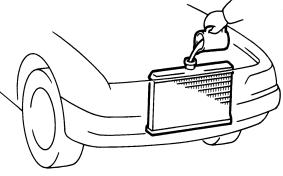
*7: International Lubricant Standardization and Approval Committee

| | | | |
|---------------------------------|--|---|---|
| | | | |
| | A | 120.5 to 130.5 (4.744 to 5.138) | 129.3 to 139.3 (5.091 to 5.484) |
| | B | ±2.0 (0.079) | |
| | C*1 | ±74 (2.91) | ±86 (3.39) |
| mm (in.) | | SAE J1703 or FMVSS No. 116 DOT3 | |
| | 300 N (31 kgf, 67.5 lbf) | 7 to 9 | |
| | A | ±1.0 (0.039) | |
| | B | | |
| mm (in.) | | ±27.0 (1.063) | ±16.5 (0.650) |
| | mm (in.) | ±1.0 (0.039) | |
| | mm (in.) | ±191.0 (7.52) | |
| | GWS191 | | |
| | *3 5.4 (5.7, 4.8) | | |
| liter (US qts, Imp. qts) | _____ | | |
| | 1.30 to 1.40 (1.38 to 1.48, 1.15 to 1.23) | | |
| | Toyota Genuine Differential gear oil LT 75W-85 GL-5 or their equivalent | | |
| N*m (kgf*cm, ft.*lbf) | A | 20 (204, 15) | |
| | B | 49 (500, 36) | |

| | | | | | | | | |
|---------------|---|--------------------------------------|--------------------------------------|----------------|---------------|---------------|---------------|---------------|
| | | GWS191 | | | | | | |
| | N*m (kgf*cm, ft.*lbf) | 103 (1050, 76) | | | | | | |
| | | GWS191 | | | | | | |
| | mm (in.) | ±30 (1.18) | | | | | | |
| | | | | | | | | |
| | A | -0°26' +45' (-0.43°+0.75°) | -1°19' +45' (-1.32°+0.75°) | | | | | |
| | B | 9°26' +45' (9.43°+0.75°) | _____ | | | | | |
| | C | 7°26' +45' (7.43°+0.75°) | _____ | | | | | |
| | D | 41°48' +2° (41.80°+2°) | _____ | | | | | |
| | E-F mm (in.) | 1 +2 (0.04 +-0.08) | 3 +2 (0.12 +-0.08) | | | | | |
| | km/h (mph) | | | | | | | |
| | kPa (kgf/cm ² , psi) | Europe | 225/50R17 94W | ↑210 (132) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 320 (3.2, 46) |
| | | | | ↓210 (132) | 240 (2.4, 35) | 250 (2.5, 36) | 240 (2.4, 35) | 290 (2.9, 42) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) |
| | | | 245/40R18 93Y 245/40ZR 18 | ↑210 (132) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 310 (3.1, 45) |
| | | | | ↓210 (132) | 240 (2.4, 35) | 250 (2.5, 36) | 240 (2.4, 35) | 270 (2.7, 39) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) |
| | | | 225/50 R 17 94W | ↑160 (100) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 320 (3.2, 46) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) |
| | | | 245/40R 18 93Y | ↑160 (100) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 310 (3.1, 45) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) |
| | | | 225/50R 17 94W | ↑210 (132) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 320 (3.2, 46) |
| | | | | ↓210 (132) | 240 (2.4, 35) | 250 (2.5, 36) | 240 (2.4, 35) | 290 (2.9, 42) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) |
| | | | 245/40R 18 93Y | ↑210 (132) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 310 (3.1, 45) |
| | | | | ↓210 (132) | 240 (2.4, 35) | 250 (2.5, 36) | 240 (2.4, 35) | 270 (2.7, 39) |
| | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) | |
| | | | 225/50 R 17 94W | ↑160 (100) | 260 (2.6, 38) | 270 (2.7, 39) | 260 (2.6, 38) | 270 (2.7, 39) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) |
| | | | 245/40 R 18 93Y | ↑160 (100) | 260 (2.6, 38) | 270 (2.7, 39) | 260 (2.6, 38) | 270 (2.7, 39) |
| | | | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) |
| | | | Taiwan | 225/50R 17 94W | ↑160 (100) | 280 (2.8, 41) | | |
| | | | | | ↓160 (100) | 230 (2.3, 33) | | |
| | | | | 245/40R 18 93Y | ↑160 (100) | 290 (2.9, 42) | | |
| | | | | | ↓160 (100) | 230 (2.3, 33) | | |
| Others | 225/50R 17 94W | ↑210 (132) | 260 (2.6, 38) | 270 (2.7, 39) | 270 (2.7, 39) | 320 (3.2, 46) | | |
| | | ↓210 (132) | 240 (2.4, 35) | 250 (2.5, 36) | 240 (2.4, 35) | 290 (2.9, 42) | | |
| | | ↓160 (100) | 230 (2.3, 33) | 230 (2.3, 33) | 230 (2.3, 33) | 260 (2.6, 38) | | |

*1: When the brake pedal is depressed with the force of 500 N (51 kgf, 112 lbf) while the engine is running. *2: Dry fill

| | | | |
|---|--|--|---|
|  | | GWS191 | |
|  *2 |  *3 |  *4 | |
| | VGRS *5 | | THEFT DETERRENT SYSTEM |
|  | 1.25 to 1.29 | | |
| 20°C (68°F) | | | |
|  | | 2GR-FSE | |
| cm ³ or CC (cu. in.) | | 3456 (210.9) | |
|  | | _____ | |
|  A | DENSO | FK20HBR11 | |
| | NGK | _____ | |
| | A mm (in.) | 1.0 to 1.1 (0.039 to 0.043) | |
|  | 8 to 12° (DLC3 Terminals 13 (TC) - 4 (CG) Connected) | | |
|  |  | _____ | |
| |  | _____ | |
|  | DLC3 Terminal 9 (TAC) Connected | |  |
| rpm | | 950 to 1050 | |

| | | |
|---|---|--|
|  |  | 1000 (10, 143) |
|  |  | ↑700 (7.1, 101) |
| kPa (kgf/cm ² , psi) |  | ↓100 (1.0, 15) |
|  |  | ↑100 (1.0, 14.6) |
| | 2500 rpm  | ↑250 (2.6, 36.4) |
|  | | 2GR-FSE |
|  A |  | 5.9 (6.2, 5.2) |
| |  | 6.3 (6.7, 5.5) |
| | liter (US qts, Imp. qts) | 20W-50 15W-40 |
| | 10W-30 5W-30 | API grade SL, "Energy-Conserving", SM "Energy-Conserving" or ILSAC*6 multigrade engine oil |
| N*m (kgf*cm, ft.*lbf) |  | 40 (408, 30) |
|  | 9.3 (9.8, 8.1) | |
| liter (US qts, Imp. qts) | | |

*2: The initialization is required. Refer to the repair manual for the initialization procedures.

*3: Power Window Control System *4: Clearance Sonar System *5: Variable Gear Ratio Steering System

*6: International Lubricant Standardization and Approval Committee