# BRAKE

## SERVICE DATA

S30BH-01

| | | |
|---|---|---|
| Brake pedal height (from asphalt sheet) | | |
| (2WD) | | |
| Regular Cab | | |
| G.C.C., Australia and Europe | | |
| | LHD | 159.6 – 169.6 mm (6.283 – 6.677 in.) |
| | RHD | 166.2 – 176.2 mm (6.543 – 6.937 in.) |
| Others | | |
| | LHD | 161.1 – 171.1 mm (6.343 – 6.736 in.) |
| | RHD | 167.7 – 177.7 mm (6.602 – 6.996 in.) |
| Extra Cab | | |
| Australia (5L Engine) | | |
| | RHD | 164.2 – 174.2 mm (6.465 – 6.858 in.) |
| Others | | |
| | LHD | 159.6 – 169.6 mm (6.283 – 6.677 in.) |
| | RHD | 166.2 – 176.2 mm (6.543 – 6.937 in.) |
| Double Cab | | |
| Australia (5L Engine) | | |
| | RHD | 164.2 – 174.2 mm (6.465 – 6.858 in.) |
| G.C.C., Australia and Europe | | |
| | LHD | 159.6 – 169.6 mm (6.283 – 6.677 in.) |
| | RHD | 166.2 – 176.2 mm (6.543 – 6.937 in.) |
| Others | | |
| | LHD | 161.1 – 171.1 mm (6.343 – 6.736 in.) |
| | RHD | 167.7 – 177.7 mm (6.602 – 6.996 in.) |
| Brake pedal height (from asphalt sheet) | | |
| (4WD) | | |
| Regular Cab | | |
| G.C.C., Australia and Europe | | |
| | LHD | 157.6 – 167.6 mm (6.205 – 6.598 in.) |
| | RHD | 164.2 – 174.2 mm (6.465 – 6.858 in.) |
| Others | | |
| | LHD | 161.1 – 171.1 mm (6.343 – 6.736 in.) |
| | RHD | 167.7 – 177.7 mm (6.602 – 6.996 in.) |
| Extra Cab | | |
| Australia (5L Engine) | | |
| | RHD | 164.2 – 174.2 mm (6.465 – 6.858 in.) |
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| | LHD | 159.6 – 169.6 mm (6.283 – 6.677 in.) |
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| G.C.C., Australia and Europe | | |
| | LHD | 157.6 – 167.6 mm (6.205 – 6.598 in.) |
| | RHD | 164.2 – 174.2 mm (6.465 – 6.858 in.) |
| Others | | |
| | LHD | 161.1 – 171.1 mm (6.343 – 6.736 in.) |
| | RHD | 167.7 – 177.7 mm (6.602 – 6.996 in.) |
| Brake pedal freeplay | | 1 – 6 mm (0.4 – 0.24 in.) |
| Brake pedal reserve distance at 490 N (50 kgf, 110.2 lbf) | | |
| (2WD) | LHD | More than 80 mm (3.15 in.) |
| | RHD | More than 85 mm (3.35 in.) |
| (4WD) | LHD | More than 75 mm (2.95 in.) |
| | RHD | More than 80 mm (3.15 in.) |
| Brake booster push rod to piston clearance (w/ SST) | | 0 mm (0 in.) |
| Vacuum pump blade height | Minimum | 12.20 mm (0.4803 in.) |

| | | |
|---|---|---|
| Vacuum pump blade width | Minimum | 4.95 mm (0.1949 in.) |
| Vacuum pump blade length | Minimum | 22.98 mm (0.4047 in.) |
| Front brake pad thickness | | |
| (2WD) | STD | |
| | Europe | 9.6 mm (0.378 in.) |
| | Others | 9.5 mm (0.374 in.) |
| | Minimum | 1.0 mm (0.039 in.) |
| (4WD and Prerunner) | STD | 9.5 mm (0.374 in.) |
| | Minimum | 1.0 mm (0.039 in.) |
| Front brake disc thickness | | |
| (2WD) | STD | 25.0 mm (0.984 in.) |
| | Minimum | 23.0 mm (0.906 in.) |
| (4WD and Prerunner) | STD | 20.0 mm (0.787 in.) |
| | Minimum | 18.0 mm (0.709 in.) |
| Front brake disc runout | | |
| (2WD) | Maximum | 0.07 mm (0.0028 in.) |
| (4WD and Prerunner) | Maximum | 0.07 mm (0.0028 in.) |
| Rear brake drum inside diameter | | |
| (2WD) | STD | 270.0 mm (10.630 in.) |
| | Maximum | 272.0 mm (10.709 in.) |
| (4WD and Prerunner) | STD | 295.0 mm (11.614 in.) |
| | Maximum | 297.0 mm (11.693 in.) |
| Rear brake shoe lining thickness | | |
| (2WD) | STD | 5.5 mm (0.217 in.) |
| | Maximum | 1.0 mm (0.039 in.) |
| (4WD and Prerunner) | STD | 6.0 mm (0.236 in.) |
| | Maximum | 1.0 mm (0.039 in.) |
| Rear brake drum to shoe clearance | | 0.6 mm (0.024 in.) |
| Parking brake lever travel at 196 N (20 kgf, 44.1 lbf) | | 11 – 17 clicks |

SS0B1-01

# TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|---|---|---|---|
| Throttle cable clamp x Master cylinder | 6.9 | 70 | 61 in.·lbf |
| Master cylinder x Piston stopper bolt | 10 | 100 | 7 |
| Master cylinder x Reservoir | 1.7 | 18 | 16 in.·lbf |
| Master cylinder x Brake booster | 13 | 130 | 9 |
| Brake line union nut | 15 | 155 | 11 |
| Brake booster clevis lock nut | 25 | 260 | 19 |
| Brake booster x Pedal bracket | 14 | 145 | 10 |
| Alternator pivot bolt | 59 | 600 | 43 |
| Alternator lock bolt | 29 | 300 | 21 |
| Vacuum pump x Vacuum hose union bolt | 14 | 140 | 10 |
| Vacuum pump x Oil inlet union bolt | 14 | 140 | 10 |
| Vacuum pump x Alternator | 7.8 | 80 | 69 in.·lbf |
| Vacuum pump x Check valve | 74 | 750 | 54 |
| Vacuum pump pulley lock nut | 105 | 1,075 | 78 |
| Bleeder plug | 11 | 110 | 8 |
| Front brake caliper x Torque plate (2WD) | 39 | 400 | 29 |
| Torque plate x Steering knuckle (2WD) | 107 | 1,090 | 79 |
| Front brake caliper x Flexible hose bracket (2WD) | 19 | 195 | 14 |
| Front brake caliper x Steering knuckle (4WD) | 123 | 1,250 | 90 |
| Rear brake drum wheel cylinder x Backing plate | 10 | 100 | 7 |
| Parking brake bellcrank bracket x Backing plate | 13 | 130 | 9 |
| LSP & BV x LSP & BV bracket | 13 | 130 | 9 |
| LSP & BV bracket x Load sensing spring assembly | 18 | 185 | 13 |
| Load sensing spring assembly x Shackle No.1 | 18 | 185 | 13 |
| Shackle No.1 x Shackle No.2 | 13 | 130 | 9 |
| Shackle No.2 x Axle housing | 29 | 300 | 22 |
| Shackle No.2 x Bracket | 13 | 130 | 9 |
| Valve bracket x Body | 29 | 300 | 22 |
| ABS actuator x ABS actuator bracket | 5.4 | 55 | 48 in.·lbf |
| ABS actuator bracket x Body | 19 | 195 | 14 |
| ABS relay x Body | 5.0 | 50 | 44 in.·lbf |
| Bracket x Body | 5.0 | 50 | 44 in.·lbf |
| Front speed sensor installation bolt | 8.0 | 82 | 71 in.·lbf |
| Front speed sensor harness clamp bolt | 8.0 | 82 | 71 in.·lbf |
| Rear speed sensor installation bolt | 8.0 | 82 | 71 in.·lbf |
| Rear speed sensor harness clamp bolt | 13 | 130 | 9 |