

SUSPENSION

SERVICE DATA

| Vehicle height (See page SP-2) | | |
|---|--|---|
| GSJ10L-GKASKA | A-B C-D | 115.9 mm (4.56 in.) 81.4 mm (3.20 in.) |
| GSJ15L-GKFSKA | A-B C-D | 87.0 mm (3.43 in.) 61.4 mm (2.42 in.) |
| GSJ15L-GKASKA | A-B C-D | 87.0 mm (3.43 in.) 61.6 mm (2.43 in.) |
| Toe-in | | |
| | A+B C-D Rack end length difference | 0°05' +- 0°10' (0.08° +- 0.16°) 1.0 +- 2.0 mm (0.04 +- 0.08 in.) 1.0 mm (0.039 in.) or less |
| Wheel turning angle | | |
| GSJ10L-GKASKA | Inside wheel - Outside wheel (Reference) | 32°45' (30°45' to 33°45') 32.75°(30.75° to 33.75°) 28°56' (28.93°) |
| GSJ15L-GKFSKA | Inside wheel - Outside wheel (Reference) | 33°10' (31°10' to 34°10') 33.17°(31.17° to 34.17°) 29°38' (29.63°) |
| GSJ15L-GKASKA | Inside wheel - Outside wheel (Reference) | 33°10' (31°10' to 34°10') 33.17°(31.17° to 34.17°) 29°38' (29.63°) |
| Camber | | |
| GSJ10L-GKASKA | | -0°34' +- 30' (-0.57° +- 0.50°) |
| GSJ15L-GKFSKA | | 0°09' +- 30' (0.15° +- 0.50°) |
| GSJ15L-GKASKA | | 0°09' +- 30' (0.15° +- 0.50°) |
| Caster | | |
| GSJ10L-GKASKA | | 3°34' +- 30' (3.57° +- 0.50°) |
| GSJ15L-GKFSKA | | 2°49' +- 30' (2.82° +- 0.50°) |
| GSJ15L-GKASKA | | 2°49' +- 30' (2.82° +- 0.50°) |
| Steering Axis Inclination (Reference) | | |
| GSJ10L-GKASKA | | 12°55' +- 30' (12.92° +- 0.50°) |
| GSJ15L-GKFSKA | | 12°21' +- 30' (12.35° +- 0.50°) |
| GSJ15L-GKASKA | | 12°21' +- 30' (12.35° +- 0.50°) |
| Front upper suspension arm | | |
| | Upper ball joint turning torque | 4.5 N*m (46 kgf*cm, 40 in.*lbf) or less |
| Front lower suspension arm | | |
| | Lower ball joint turning torque | 3.0 N*m (31 kgf*cm, 27 in.*lbf) or less |
| Front stabilizer link assembly | | |
| | Stabilizer link ball joint turning torque | 0.05 to 1.96 N*m (0.5 to 20.0 kgf*cm, 0.4 to 17.3 in.*lbf) |
| Rear stabilizer link assembly | | |
| | Stabilizer link ball joint turning torque | 0.05 to 1.96 N*m (0.5 to 20.0 kgf*cm, 0.4 to 17.3 in.*lbf) |

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TORQUE SPECIFICATIONS

| Part Tightened | N*m | kgf*cm | ft.*lbf |
|--|---------|-----------|------------|
| Tie rod end lock nut | 88 | 897 | 65 |
| Front support to front shock absorber nut x Front shock absorber | 25 | 255 | 18 |
| Front shock absorber with coil spring x Frame assembly | 64 | 653 | 47 |
| Front stabilizer link assembly x Steering knuckle | 70 | 714 | 52 |
| Engine under cover sub-assembly x Frame assembly | 29 | 296 | 21 |
| Front wheel | 112 | 1,137 | 82 |
| Front shock absorber x Front lower suspension arm | 135 | 1,377 | 100 |
| Wire harness bracket x Frame assembly | 5.8 | 59 | 51 in.*lbf |
| Front upper suspension arm x Steering knuckle | 110 | 1,122 | 81 |
| Skid control sensor wire x Front upper suspension arm | 13 | 127 | 9 |
| Front upper suspension arm x Frame assembly | 115 | 1,173 | 85 |
| Front lower ball joint attachment x Front lower suspension arm | 140 | 1,428 | 103 |
| Front lower ball joint attachment x Steering knuckle | 160 | 1,631 | 118 |
| Front lower suspension arm x Frame assembly | 135 | 1,377 | 100 |
| Front stabilizer bracket x Frame assembly | 40 | 408 | 30 |
| Front stabilizer link assembly x Front stabilizer bar | 70 | 714 | 52 |
| Front stabilizer link assembly x Steering knuckle | 70 | 714 | 52 |
| Rear shock absorber x Rear axle housing assembly | 98 | 1,000 | 72 |
| Rear brake tube flexible hose x Rear brake tube | 14 (15) | 143 (155) | 10 (11) |
| Rear wheel | 112 | 1,137 | 82 |
| Rear shock absorber x Frame assembly | 25 | 255 | 18 |
| Rear upper control arm x Frame assembly | 80 | 816 | 59 |
| Rear upper control arm x Rear axle housing assembly | 80 | 816 | 59 |
| Parking brake cable x Frame assembly | 13 | 127 | 9 |
| Rear lower control arm x Frame assembly | 130 | 1,326 | 96 |
| Rear lower control arm x Rear axle housing assembly | 130 | 1,326 | 96 |
| Rear lateral control rod x Frame assembly | 130 | 1,326 | 96 |
| Rear lateral control rod x Rear axle housing assembly | 130 | 1,326 | 96 |
| Rear stabilizer bracket cover x Rear axle housing assembly | 30 | 306 | 22 |
| Rear stabilizer link assembly x Rear stabilizer bar | 70 | 714 | 52 |
| Rear stabilizer link assembly x Frame assembly | 15 | 153 | 11 |

(): for use without SST