

# SERVICE SPECIFICATIONS

## SERVICE DATE

Cold tire inflation pressure kPa (kgf/cm <sup>2</sup> , psi)	Tire size		Front	Rear
	195/55R15 83V		200 (2.0, 29)	-
	225/50R15 91V		-	230 (2.3, 33)
Chassis ground clearance mm (in.)	All models		216.5 (8.524)	193.4 (7.614)
Front wheel alignment	Toe-in Tie rod end length left-right error		1 ± 2 mm (0.04 ± 0.08 in.), 0.1° ± 0.2° 1.0 mm (0.039 in.) or less	
	Camber Cross camber		-1°00' ± 45' 30' or less	
	Caster Cross caster		2°50' ± 45' 30' or less	
	Steering axis inclination		13°50' ± 45'	
	Wheel angle (Maximum)	Outside wheel	32°00'	
Inside wheel		37°00' ± 1°30'		
Rear wheel alignment	Toe-in Tie rod end length left-right error		6 ± 1 mm (0.24 ± 0.04 in.), 0.6° ± 0.1° 1.0 mm (0.039 in.) or less	
	Camber Cross camber		-1°35' ± 45' 30' or less	
Wheel lateral runout	Less than 1.4 mm (0.055 in.)			
Front axle and suspension	Hub bearing axial direction	Limit	0.5 mm	0.0020 in.
	Ball joint rotation condition		0.8 - 2.5 N·m	
	Ball joint vertical play		(8 - 25 kgf·cm, 7 - 22 in.-lbf)	
	Strut bar length		0 mm	0 in.
			362 mm	14.25 in.
Rear axle and suspension	Hub bearing axial direction	Limit	0.5 mm	0.0020 in.
	Ball joint rotation condition		0.05 - 0.98 N·m	
	Ball joint vertical play		(0.5 - 10 kgf·cm, 0.43 - 8.68 in.-lbf)	
	Drive shaft grease capacity		0 mm	0 in.
	Outboard joint 5S-FE engine			
	3S-GTE engine			
	Inboard joint 5S-FE engine		120 - 130 g	0.26 - 0.29 lb
	3S-GTE engine		120 - 130 g	0.26 - 0.29 lb
	Side gear shaft 3S-GTE engine		232 - 242 g	0.51 - 0.53 lb
	Drive shaft standard length		90 - 100 g	0.20 - 0.22 lb
	5S-FE engine		43 - 53 g	0.09 - 0.12 lb
	3S-GTE engine			
		LH	540.3 ± 5.0 mm	21.272 ± 0.197 in.
	RH	831.4 ± 5.0 mm	32.732 ± 0.197 in.	
	LH	389.7 ± 5.0 mm	15.343 ± 0.197 in.	
	RH	389.7 ± 5.0 mm	15.343 ± 0.197 in.	

## TORQUE SPECIFICATIONS (FRONT)

Part tightened	N-m	kgf-cm	ft-lbf
Disc brake dust cover x Steering knuckle	8.3	85	74 in.-lbf
Axle hub lock nut	123	1,250	90
Tie rod end x Steering knuckle	49	500	36
Ball joint x Steering knuckle	80	820	59
ABS speed sensor x Steering knuckle (w/ABS)	7.8	80	69 in.-lbf
Steering knuckle x Shock absorber	173	1,760	127
Brake caliper x Steering knuckle	59	600	43
Piston rod x Suspension support	49	500	36
Suspension support x Body	39	400	29
Brake hose x Disc brake caliper	30	310	22
Stabilizer link x Shock absorber	64	650	47
Lower arm x Ball joint	78	800	58
Strut bar x Lower arm	127	1,300	94
Lower arm x Body	118	1,200	87
Stabilizer bar x Body	64	650	47
Stabilizer bar x Stabilizer link	64	650	47
Strut bar x Body	113	1,150	83
Hub nut	103	1,050	76

## (REAR)

Part tightened	N-m	kgf-cm	ft-lbf
Axle carrier x Shock absorber	173	1,760	127
Axle carrier x Tie rod end	103	1,050	76
Axle carrier x Lower arm	113	1,150	83
Stabilizer link x Shock absorber	49	500	36
ABS speed sensor x Axle carrier	7.8	80	69 in.-lbf
Disc brake caliper x Axle carrier	59	600	43
Hub bearing lock nut (5S-FE engine)	226	2,300	166
Hub bearing lock nut (3S-GTE engine)	294	3,000	217
Axle carrier x Ball joint	113	1,150	83
Bearing bracket stay x Engine	75	770	56
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Bearing bracket x Drive shaft center bearing	32	330	24
Bearing bracket' x Engine	64	650	47
Drive shaft inboard joint holding hexagon bolts	65	660	48
Piston rod x Suspension support	73	740	54
Suspension support x Body	80	820	59
Brake hose x Disc brake caliper	30	310	22
ABS speed sensor wire harness x Suspension cross member	5.4	55	48 in.-lbf
Lower arm x Ball joint	91	930	67
Lower arm holding nut	132	1,350	98
Strut rod nut	118	1,200	87

Strut rod x Body	<b>118</b>	<b>1,200</b>	<b>87</b>
Suspension arm x Body	<b>103</b>	<b>1,050</b>	<b>76</b>
Stabilizer bar x Body	<b>19</b>	<b>195</b>	<b>14</b>
Suspension cross member x Body	<b>113</b>	<b>1,150</b>	<b>83</b>
Engine mount x Suspension cross member	<b>77</b>	<b>790</b>	<b>57</b>
Exhaust pipe x Suspension cross member	<b>21</b>	<b>210</b>	<b>15</b>
Stabilizer bar x Stabilizer link	<b>49</b>	<b>500</b>	<b>36</b>