FRONT SUSPENSION (1GR–FE)

031E9–01

SERVICE DATA

Front wheel alignment	• Vehicle height (5 Door Except air suspension)		
	GRJ120L – GKMGK	5 passenger Front A–B:	76.1 mm (3.00 in.)
		Rear C–D:	53.7 mm (2.11 in.)
		8 passenger Front A–B:	75.6 mm (2.98 in.)
		Rear C–D:	58.0 mm (2.28 in.)
	GRJ120L – GKPGK	5 passenger Front A–B:	77.6 mm (3.06 in.)
		Rear C–D:	54.0 mm (2.13 in.)
		8 passenger Front A–B:	77.1 mm (3.04 in.)
		Rear C–D:	58.4 mm (2.30 in.)
	GRJ120L – GKMGKV	5 passenger Front A–B:	79.0 mm (3.11 in.)
		Rear C–D:	54.4 mm (2.14 in.)
		8 passenger Front A–B:	78.6 mm (3.09 in.)
		Rear C–D:	58.7 mm (2.31 in.)
		9 passenger Front A–B:	78.8 mm (3.10 in.)
		Rear C–D:	56.5 mm (2.22 in.)
	GRJ120L – GKPGKV	5 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	54.1 mm (2.13 in.)
		8 passenger Front A–B:	77.3 mm (3.04 in.)
		Rear C–D:	58.5 mm (2.30 in.)
		9 passenger Front A–B:	77.5 mm (3.05 in.)
		Rear C–D:	56.3 mm (2.22 in.)
	GRJ120R – GKMEKQ	5 passenger Front A–B:	79.0 mm (3.11 in.)
		Rear C–D:	53.2 mm (2.09 in.)
		8 passenger Front A–B:	78.5 mm (3.09 in.)
		Rear C–D:	57.6mm (2.27 in.)
	GRJ120R – GKPEKQ	5 passenger Front A–B:	80.5 mm (3.17 in.)
		Rear C–D:	53.6 mm (2.11 in.)
		8 passenger Front A–B:	80.0 mm (3.15 in.)
		Rear C–D:	57.9 mm (2.28 in.)
	GRJ120R – GKPGKQ	5 passenger Front A–B:	83.3 mm (3.28 in.)
		Rear C–D:	55.4 mm (2.18 in.)
		8 passenger Front A–B:	82.8 mm (3.26 in.)
		Rear C–D:	59.7 mm (2.35 in.)
	GRJ120R – GKPEKW	5 passenger Front A–B:	79.0 mm (3.11 in.)
		Rear C–D:	53.2 mm (2.09 in.)
		8 passenger Front A–B:	78.9 mm (3.11 in.)
		Rear C–D:	52.9 mm (2.08 in.)
	GRJ120L – GKPEKW	5 passenger Front A–B:	79.0 mm (3.11 in.)
		Rear C–D:	53.2 mm (2.09 in.)
		8 passenger Front A–B:	78.9 mm (3.11 in.)
		Rear C–D:	52.9 mm (2.08 in.)
	GRJ120L – GKMEKW	5 passenger Front A–B:	77.5 mm (3.05 in.)
		Rear C–D:	52.8 mm (2.09 in.)
		8 passenger Front A–B:	77.4 mm (3.05 in.)
		Rear C–D:	52.6 mm (2.08 in.)
	• Vehicle height (5 Door Air suspension)		
	GRJ120L – GKMGK	5 passenger Front A–B:	75.0 mm (2.95 in.)
		Rear C–D:	65.1 mm (2.56 in.)
		8 passenger Front A–B:	75.0 mm (2.95 in.)
		Rear C–D:	65.0 mm (2.56 in.)
	GRJ120L – GKPGK	5 passenger Front A–B:	76.5 mm (3.01 in.)
		Rear C–D:	65.6 mm (2.58 in.)
		8 passenger Front A–B:	76.5 mm (3.01 in.)
		Rear C–D:	65.3 mm (2.57 in.)

Front wheel alignment	GRJ120L – GKMGKV	5 passenger Front A–B:	78.0 mm (3.07 in.)
		Rear C–D:	65.9 mm (2.59 in.)
		8 passenger Front A–B:	77.9 mm (3.07 in.)
		Rear C–D:	65.7 mm (2.59 in.)
		9 passenger Front A–B:	78.0 mm (3.07 in.)
		Rear C–D:	65.8 mm (2.59 in.)
	GRJ120L – GKPGKV	5 passenger Front A–B:	76.8 mm (3.02 in.)
		Rear C–D:	65.7 mm (2.59 in.)
		8 passenger Front A–B:	76.7 mm (3.02 in.)
		Rear C–D:	65.4 mm (2.57 in.)
		9 passenger Front A–B:	76.7 mm (3.02 in.)
		Rear C–D:	65.6 mm (2.58 in.)
	GRJ120R – GKMEKQ	5 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	65.8 mm (2.59 in.)
		8 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	65.6 mm (2.58 in.)
	GRJ120R – GKPEKQ	5 passenger Front A–B:	79.3 mm (3.12 in.)
		Rear C–D:	66.1 mm (2.60 in.)
		8 passenger Front A–B:	79.2 mm (3.12 in.)
		Rear C–D:	65.9 mm (2.59 in.)
	GRJ120R – GKPGKQ	5 passenger Front A–B:	82.3 mm (3.24 in.)
		Rear C–D:	66.8 mm (2.63 in.)
		8 passenger Front A–B:	82.2 mm (3.24 in.)
		Rear C–D:	66.7 mm (2.63 in.)
	GRJ120R – GKPEKW	5 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	65.8 mm (2.59 in.)
		8 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	65.6 mm (2.58 in.)
	GRJ120L – GKPEKW	5 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	65.8 mm (2.59 in.)
		8 passenger Front A–B:	77.8 mm (3.06 in.)
		Rear C–D:	65.6 mm (2.58 in.)
	GRJ120L – GKMEKW	5 passenger Front A–B:	76.3 mm (3.00 in.)
		Rear C–D:	65.4 mm (2.57 in.)
		8 passenger Front A–B:	76.3 mm (3.00 in.)
		Rear C–D:	65.2 mm (2.57 in.)
	• Vehicle height (3 Door)		
	GRJ125L – GJPGK	Front A–B:	80.9 mm (3.19 in.)
		Rear C–D:	58.1 mm (2.29 in.)
	GRJ125L – GJPGKV	Front A–B:	84.1 mm (3.31 in.)
		Rear C–D:	59.0 mm (2.32 in.)
	GRJ125L – GJMEKW	Front A–B:	77.9 mm (3.07 in.)
		Rear C–D:	56.1 mm (2.21 in.)
	GRJ125L – GJPEKW	Front A–B:	79.5 mm (3.13 in.)
		Rear C–D:	56.6 mm (2.23 in.)
	• Toe–in (total)		
		5 Door:	0°10’ ± 0°10’ (0.16° ± 0.16°)
			2 ± 2 mm (0.08 ± 0.08 in.)
		3 Door:	0°05’ ± 0°10’ (0.08° ± 0.16°)
			1 ± 2 mm (0.04 ± 0.08 in.)
		Rack end length difference	1.0 mm (0.04 in.) or less
	• Wheel angle		
		Inside wheel	36°20’ (34°20’ – 37°20’)
			36.33° (34.33° – 37.33°)
		Outside wheel: Reference	33°14’
			33.23°

Front wheel alignment	• Camber	
	5 Door	−0°19' ± 45' (−0.32° ± 0.75°)
	Right–left error	45' (0.75°) or less
	3 Door	−0°16' ± 45' (−0.27° ± 0.75°)
	Right–left error	45' (0.75°) or less
	• Caster	
	5 Door Except air suspension	2°40' ± 45' (2.67° ± 0.75°)
	Right–left error	45' (0.75°) or less
	5 Door Air suspension	2°56' ± 45' (2.93° ± 0.75°)
	Right–left error	45' (0.75°) or less
	3 Door	2°41' ± 45' (2.68° ± 0.75°)
	Right–left error	45' (0.75°) or less
	• Steering axis inclination	
	5 Door	12°11' ± 45' (12.18° ± 0.75°)
	Right–left error	45' (0.75°) or less
	3 Door	12°14' ± 45' (12.23° ± 0.75°)
	Right–left error	45' (0.75°) or less

A: Ground clearance of front wheel center

B: Ground clearance of lower suspension arm No.2 set bolt center

C: Ground clearance of rear wheel center

D: Ground clearance of strut rod set bolt center