

Suspension System

GENERAL

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SPECIFICATIONS E0D7974F

FRONT SUSPENSION SYSTEM

Items			Specification
Type			Double Wishbone
Shock Absorber	Type		Gas
	Stroke mm(in)		96(3.78)
	Expansion mm(in)		424.0±3(16.69±0.118)
	Compression mm(in)		328.0 +3/-∞(12.91+0.118/-∞)
	Damping force (0.3 m/s)	Expansion N(kgf)	2300±320(230±32)
		Compression N(kgf)	910±170(91±17)
	I.D color		Red
Spring	2.4GSL	Free height mm(in)	335.8(13.22)
		I.D color	Pink - Pink
	3.3GSL	Free height mm(in)	345.4(13.60)
		I.D color	Pink - Red
	2.4GSL (High suspension)	Free height mm(in)	342.4(13.48)
		I.D color	Pink - Green
	3.3GSL (High suspension)	Free height mm(in)	352.0(13.86)
		I.D color	Pink - Blue

REAR SUSPENSION SYSTEM

Items			Specification
Type			Multi Link
Shock Absorber	Type		Gas
	Stroke mm(in)		160.5(6.32)
	Expansion mm(in)		584.6±3(23.016±0.118)
	Compression mm(in)		424.1 +3/-∞(16.697+0.118/-∞)
	Damping force (0.3 m/s)	Expansion N(kgf)	1150±170(115±17)
		Compression N(kgf)	280±60(28±6)
	I.D color		Red
Spring	2.4GSL/3.3GSL	Free height mm(in)	322.1(12.68)
		I.D color	Green - Pink
	2.4GSL/3.3GSL (High suspension)	Free height mm(in)	328.4(12.93)
		I.D color	Green - Green

WHEELS AND TIRES

Items		Specification
Tire Size		215/65 R15
		215/60 R16
		225/50 R17
Wheel Size	Steel	6.0J×15
		6.5J×16
	Aluminium	6.5J×16
		6.5J×17
Tire Pressure kPa(kg/cm²,psi)	All	220.6(2.2, 32)

WHEEL ALIGNMENT

Items		Front	Rear
Camber		0°±30′	-0°30′±30′
Caster	to Ground	4°50′±45′	-
	to Body	5°3′	-
Toe-in mm(in)		0±2(0±0.0787)	2±2(0.0787±0.0787)
King pin angle		9°27′	-
Tread mm(in)	15" Tire	1575(62.0)	1560(61.42)
	Others	1565(61.61)	1550(61.02)

TIGHTENING TORQUE

E78E38F5

FRONT SUSPENSION

Items	Nm	kgf-m	lb-ft
Front strut assembly mounting nut	45 ~ 60	4.5 ~ 6.0	32.5 ~ 43.4
Front strut assembly self-locking nut	20 ~ 25	2.0 ~ 2.5	14.5 ~ 18.1
Front shock absorber to fork nut	60 ~ 80	6 ~ 8	43.4 ~ 57.8
Front lower arm ball joint self-locking nut	75 ~ 90	7.5 ~ 9.0	54.2 ~ 65.1
Front lower arm ball joint mounting bolt	100 ~ 120	10 ~ 12	72.3 ~ 86.8
Front upper arm ball joint self-locking nut	35 ~ 45	3.5 ~ 4.5	25.3 ~ 32.5
Front upper arm mounting bolt	55 ~ 65	5.5 ~ 6.5	39.8 ~ 47.0
Front lower arm bushing(A) mounting bolt	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Front lower arm bushing(G) mounting bolt	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Front lower arm connector nut (to fork)	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Front stabilizer link self-locking nut	100 ~ 120	10~12	72.3 ~ 86.8
Front stabilizer bar bracket mounting bolt (to Subframe)	45 ~ 55	4.5~ 5.5	32.5 ~ 39.8
Wheel nut	90 ~ 110	9 ~ 11	65.1 ~ 79.5

REAR SUSPENSION

Items	Nm	kgf-m	lb-ft
Rear strut assembly self-locking nut	20 ~ 25	2.0 ~ 2.5	14.5 ~ 18.1
Rear strut assembly bracket mounting bolt	50 ~ 65	5.0~ 6.5	36.2 ~ 47.0
Rear shock absorber nut (to rear axle assembly)	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Rear upper arm ball joint nut (to rear axle assembly)	80 ~ 90	8 ~ 9	57.8 ~ 65.1
Rear upper arm self-locking nut (to cross member)	100 ~ 120	10 ~ 12	72.3 ~ 86.8
Rear lower arm mounting bolt (to rear axle assembly)	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Rear lower arm mounting nut (to cross member)	110 ~ 120	11 ~ 12	79.5 ~ 86.8
Assist arm mounting bolt (to rear axle assembly)	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Assist arm mounting nut (to cross member)	110 ~ 120	11 ~ 12	79.5 ~ 86.8
Trailing arm mounting nut (to body)	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Trailing arm self-locking nut (to rear axle assembly)	140 ~ 160	14 ~ 16	101.2 ~ 115.7
Cross member mounting bolt	140~ 160	14 ~ 16	101.2 ~ 115.7
Rear stabilizer bar bracket mounting bolt	45 ~ 55	4.5 ~ 5.5	32.5 ~ 39.8
Rear stabilizer link self-locking nut	35 ~ 45	3.5 ~ 4.5	25.3 ~ 32.5

**CAUTION**

Replace the self-locking nuts with new ones after removal.