SUSPENSION

SERVICE DATA

Front wheel alignment	Vehicle height		
	FF	Front: A - B	115.5 mm (4.55 in.)
		Rear: D - C	-27.5 mm (-1.08 in.)
	4WD	Front: A - B	116 mm (4.57 in.)
		Rear: D - C	-45.5 mm (-1.79 in.)
	Toe-in (total)	FF	A+B: -1.2' +- 12' (-0.02° +- 0.2°) C-D: -0.2+- 2 mm (-0.01 +- 0.08 in.)
		4WD	A+B: 2.4' +- 12' (0.04° +- 0.2°) C-D: 0.4+- 2 mm (0.02 +- 0.08 in.)
	Rack end length difference		1.5 mm (0.059 in.) or less
	Wheel angle		
	FF	Inside wheel	42°45' +- 2° (42.75° +- 2°)
		Outside wheel: Reference	36°21' (36.35°)
	4WD	Inside wheel	42°42' +- 2° (42.70° +- 2°)
		Outside wheel: Reference	36°16' (36.27°)
	Camber		-0°17' +- 45' (-0.28° +- 0.75°)
	Right-left error		30' (0.5°) or less
	Caster	FF:	3°09' +- 45' (3.15° +- 0.75°)
		4WD:	3°00' +- 45' (3.00° +- 0.75°)
		Right-left error	30' (0.5°) or less
	Steering axis inclination	FF:	10°25' +- 45' (10.42° +- 0.75°)
		4WD:	10°12' +- 45' (10.20° +- 0.75°)
		Right-left error	30' (0.5°) or less
Front suspension	Lower ball joint turning torque		0.98 - 3.43 N*m (10 - 35 kgf*cm, 8.7 - 30 in.*lbf)
	Stabilizer bar link ball joint turning torque		0.05 - 1.96 N*m (0.5 - 20 kgf*cm, 0.4 - 17.4 in.*lbf)

A: Ground clearance of front wheel center
B: Ground clearance of lower suspension arm No. 2 set bolt center
C: Ground clearance of rear axle carrier bush set bolt center
D: Ground clearance of rear wheel center

Rear wheel alignment	Toe-in (total)		
		FF: 215/65R16	A+B: 16.2' +- 16.2' (0.27° +- 0.27°) C-D: 3.2+- 3.2mm (0.13 +- 0.13 in.)
		FF: 225/60R17	A+B: 16.2' +- 16.2' (0.27° +- 0.27°) C-D: 3.3+- 3.3mm (0.13 +- 0.13 in.)
		4WD: 225/60R17	A+B: 12.6' +- 16.2' (0.21° +- 0.27°) C-D: 2.6+- 3.3mm (0.10 +- 0.13 in.)
	Camber	FF:	-1°22' +- 30' (-1.37° +- 0.5°)
		Right-left error	30' (0.5°) or less
		4WD:	-1°25' +- 30' (-1.42° +- 0.5°)
		Right-left error	30' (0.5°) or less

Length of shock absorber	
FF:	234 mm (9.22 in.)
4WD:	258 mm (10.16 in.)

TORQUE SPECIFICATIONS

Part Tightened		N*m	kgf*cm	ft*lbf
Tie rod end lock nut		74	755	55
Steering knuckle x Shock absorber		210	2,140	155
Hub nut		103	1,050	76
Suspension support x Body		80	816	59
Suspension support x Piston rod		49	500	36
Speed sensor wire harness bracket set bolt		19	189	14
Lower suspension arm set bolt	Front side:	200	2,040	148
	Rear side:	206	2,100	152
Transverse engine engine mounting insulator set nut		87	887	64
Front axle assembly x Lower ball joint assembly		123	1,250	91
Stabilizer bar bracket x Suspension member		17	173	12
Stabilizer bar link set nut		74	755	55
Cowl top panel sub-assembly outer front set bolt		7.5	76	66 in.*lbf
Cowl top to cowl brace inner No.1 set bolt		7.5	76	66 in.*lbf
Rear axle beam x Rear brake tube No. 2		15	153	11
Rear axle beam x Rear brake tube No. 1		15	153	11
Rear axle beam x Parking brake cable assembly No. 3		8.0	82	71 in.*lbf
Rear axle beam x Parking brake cable assembly No. 2		8.0	82	71 in.*lbf
Rear axle beam x Skid control sensor wire		8.0	82	71 in.*lbf
Rear axle beam x Shock absorber assembly rear	Lower side	115	1,173	85
Body x Shock absorber assembly rear	Upper side	30	310	22
Body x Rear axle beam		135	1,377	100
Rear axle beam x Rear disc brake caliper assembly		88	897	65
Rear axle hub & bearing assembly x Rear axle bearing retainer		56	571	41
Rear axle shaft nut x Rear drive shaft assembly		216	2,263	159
Rear drive shaft assembly x Differential carrier assembly		56	571	41
Body x Differential carrier assembly rear		95	969	70
Propeller w/center bearing shaft assembly x Differential carrier assembly rear		74	755	55
Exhaust pipe assembly tail set bolt		43	438	32
Fuel tank filler hose cover set bolt		5.0	51	44
Rear floor No. 2 crossmember brace set bolt		28	286	21