SUSPENSION AND AXLE

SERVICE DATA

SS10V–02

Wheel alignment (2WD)			
Vehicle height	RZN149L–TRPDK	Front *1 Rear *2	22 mm (0.87 in.) 41 mm (1.61 in.)
	RZN149L–PRPDK	Front *1 Rear *2	28 mm (1.10 in.) 43 mm (1.69 in.)
Camber	RZN149L–TRPDK	–0°10' ± 45' (–0.17° ± 0.75°)	
	RZN149L–PRPDK	–0°06' ± 45' (–0.10° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Caster	RZN149L–TRPDK RZN149L–PRPDK	1°17' ± 45' (1.29° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Steering axis inclination	RZN149L–TRPDK	10°40' ± 45' (10.67° ± 0.75°)	
	RZN149L–PRPDK	10°36' ± 45' (10.60° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Toe–in (total)	RZN149L–TRPDK	0°29' ± 10' (0.48° ± 0.17°, 6 ± 2 mm, 0.24 ± 0.08 in.)	
	RZN149L–PRPDK	0°24' ± 10' (0.40° ± 0.17°, 5 ± 2 mm, 0.20 ± 0.08 in.)	
		Tie rod end length difference: 3.0 mm (0.118 in.) or less	
Wheel angle	Inside wheel Outside wheel: Reference	38° (36° – 39°) 34°	

Front*1: A –B
Rear*2: C – D
Measuring points:
A: Ground clearance of spindle center.
B: Ground clearance of lower suspension arm bolt center.
C: Ground clearance of rear axle shaft center.
D: Ground clearance of leaf spring front hanger pin center.

Wheel alignment (4WD and pre runner)			
Vehicle height	KZN165R–TRMSTQ(3)	Front *3 Rear *4	43 mm (1.69 in.) –118 mm (–4.65 in.)
	KZN165R–PRMSTQ	Front *3 Rear *4	50 mm (1.97 in.) –110 mm (–4.33 in.)
	LN190L–PRPSXW	Front *3 Rear *4	62 mm (2.43 in.) –101 mm (–3.97 in.)
Camber	KZN165R–TRMSTQ(3) KZN165R–PRMSTQ	0°18' ± 45' (0.30° ± 0.75°)	
	LN190L–PRPSXW	0°17' ± 45' (0.28° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Caster	KZN165R–TRMSTQ(3)	0°47' ± 45' (0.78° ± 0.75°)	
	KZN165R–PRMSTQ	1°01' ± 45' (1.02° ± 0.75°)	
	LN190L–PRPSXW	1°13' ± 45' (1.22° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Steering axis inclination	KZN165R–TRMSTQ(3) KZN165R–PRMSTQ	12°15' ± 45' (12.25° ± 0.75°)	
	LN190L–PRPSXW	12°16' ± 45' (12.27° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	

Toe–in (total)	KZN165R–TRMSTQ(3)	0°27' ± 18' (0.45° ± 0.31°, 2.9 ± 2 mm, 0.11 ± 0.08 in.)
	KZN165R–PRMSTQ	0°19' ± 18' (0.32° ± 0.31°, 2.1 ± 2 mm, 0.08 ± 0.08 in.)
	LN190L–PRPSXW	0°24' ± 18' (0.40° ± 0.31°, 2.5 ± 2 mm, 0.10 ± 0.08 in.)
		Tie rod end length difference: 3.0 mm (0.118 in.) or less
Wheel angle	Inside wheel Outside wheel: Reference	33° (31° – 34°) 32°

Front*3: A –B

Rear*4: C – D

Measuring points:

A: Ground clearance of spindle center.

B: Ground clearance of lower suspension arm front bolt center.

C: Ground clearance of rear axle shaft center.

D: Ground clearance of leaf spring front hanger pin center.