SUSPENSION AND AXLE

SERVICE DATA

SS1H7–03

2WD			
Cold tire inflation pressure (Loaded)	195R14C–8PR	Front Rear	220 kPa (2.2 kgf/cm^2, 32 psi) 450 kPa (4.5 kgf/cm^2, 65 psi)
Cold tire inflation pressure (Unloaded*1)	195R14C–8PR	Front Rear	220 kPa (2.2 kgf/cm^2, 32 psi) 220 kPa (2.2 kgf/cm^2, 32 psi)
Vehicle height	LN147R–TRMDEQ	Front *2 Rear *3	35 mm (1.38 in.) 42 mm (1.65 in.)
	LN147R–TRMDEQ3	Front *2 Rear *3	35 mm (1.38 in.) 42 mm (1.65 in.)
	LN147R–PRMDEQ	Front *2 Rear *3	46 mm (1.81 in.) 46 mm (1.81 in.)
	LN152R–CRMDEQ3	Front *2 Rear *3	40 mm (1.57 in.) 47 mm (1.85 in.)
Camber	LN147R–TRMDEQ	–0°03' ± 45' (–0.05° ± 0.75°)	
	LN147R–TRMDEQ3	–0°03' ± 45' (–0.05° ± 0.75°)	
	LN147R–PRMDEQ	0°00' ± 45' (0.00° ± 0.75°)	
	LN152R–CRMDEQ3	–0°01' ± 45' (–0.02° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Caster	LN147R–TRMDEQ	1°12' ± 45' (1.20° ± 0.75°)	
	LN147R–TRMDEQ3	1°12' ± 45' (1.20° ± 0.75°)	
	LN147R–PRMDEQ	1°07' ± 45' (1.12° ± 0.75°)	
	LN152R–CRMDEQ3	1°20' ± 45' (1.34° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Steering axis inclination	LN147R–TRMDEQ	10°33' ± 45' (10.55° ± 0.75°)	
	LN147R–TRMDEQ3	10°33' ± 45' (10.55° ± 0.75°)	
	LN147R–PRMDEQ	10°30' ± 45' (10.50° ± 0.75°)	
	LN152R–CRMDEQ3	10°31' ± 45' (10.52° ± 0.75°)	
		Right–left error: 30' (0.5°) or less	
Toe–in (total)	LN147R–TRMDEQ	0°28' ± 10' (0.46° ± 0.17°, 4 ± 2 mm, 0.16 ± 0.08 in.)	
	LN147R–TRMDEQ3	0°28' ± 10' (0.46° ± 0.17°, 4 ± 2 mm, 0.16 ± 0.08 in.)	
	LN147R–PRMDEQ	0°21' ± 10' (0.35° ± 0.17°, 2 ± 2 mm, 0.08 ± 0.08 in.)	
	LN152R–CRMDEQ3	0°24' ± 10' (0.41° ± 0.17°, 3 ± 2 mm, 0.12 ± 0.08 in.)	
		Tie rod end length difference: 3.0 mm (0.118 in.) or less	

*1: Unladen with 2 occupants and 100kg of luggage or less.
*2: A – B
*3: 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 angle (Manual steering)	Inside wheel Outside wheel: Reference		36° (34° – 37°) 32°	
Wheel angle (Power steering)	Inside wheel Outside wheel: Reference		37.5° (35.5° – 38.5°) 33.5°	
4WD				
Cold tire inflation pressure (Loaded)	205R16C–6PR		Front Rear	170 kPa (1.7 kgf/cm^2, 25 psi) 300 kPa (3.0 kgf/cm^2, 44 psi)
	205R16 Reinforced		Front Rear	170 kPa (1.7 kgf/cm^2, 25 psi) 240 kPa (2.4 kgf/cm^2, 35 psi)
	255/70R15 112L LT		Front Rear	190 kPa (1.9 kgf/cm^2, 28 psi) 240 kPa (2.4 kgf/cm^2, 35 psi)
Cold tire inflation pressure (Unloaded*1)	205R16C–6PR		Front Rear	170 kPa (1.7 kgf/cm^2, 25 psi) 220 kPa (2.2 kgf/cm^2, 32 psi)
	205R16 Reinforced		Front Rear	170 kPa (1.7 kgf/cm^2, 25 psi) 170 kPa (1.7 kgf/cm^2, 25 psi)
	255/70R15 112L LT		Front Rear	190 kPa (1.9 kgf/cm^2, 28 psi) 190 kPa (1.9 kgf/cm^2, 28 psi)
Vehicle height	KZN165R–TRMDTQ	205R16C–6PR	Front *2 Rear *3	43 mm (1.69 in.) –117 mm (–4.61 in.)
	KZN165R–TRMDTQ3	205R16C–6PR	Front *2 Rear *3	43 mm (1.69 in.) –117 mm (–4.61 in.)
	KZN165R–PRMDTQ	205R16C–6PR	Front *2 Rear *3	50 mm (1.97 in.) –109 mm (–4.29 in.)
	KZN165R–PRMSTQ	205R16 reinforced	Front *2 Rear *3	50 mm (1.97 in.) –110 mm (–4.33 in.)
		255/70R15 112L LT	Front *2 Rear *3	50 mm (1.97 in.) –109 mm (–4.29 in.)
	LN167R–TRMDEQ	205R16C–6PR	Front *2 Rear *3	43 mm (1.70 in.) –118 mm (–4.65 in.)
	LN167R–TRMDEQ3	205R16C–6PR	Front *2 Rear *3	43 mm (1.70 in.) –118 mm (–4.65 in.)
		205R16 reinforced	Front *2 Rear *3	44 mm (1.73 in.) –118 mm (–4.65 in.)
	LN167R–PRMDEQ	205R16C–6PR	Front *2 Rear *3	50 mm (1.97 in.) –110 mm (–4.33 in.)
		205R16 reinforced	Front *2 Rear *3	50 mm (1.97 in.) –109 mm (–4.29 in.)
		255/70R15 112L LT	Front *2 Rear *3	50 mm (1.97 in.) –109 mm (–4.29 in.)

*1: Unladen with 2 occupants and 100kg of luggage or less.
*2: A – B
*3: 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

Vehicle height	LN172R–CRMDEQ	205R16C–6PR	Front *2 Rear *3	67 mm (2.64 in.) –104 mm (–4.09 in.)
		205R16 reinforced	Front *2 Rear *3	67 mm (2.64 in.) –103 mm (–4.06 in.)
	LN172R–CRMDEQ3	205R16C–6PR	Front *2 Rear *3	67 mm (2.64 in.) –104 mm (–4.09 in.)
		205R16 reinforced	Front *2 Rear *3	67 mm (2.64 in.) –103 mm (–4.06 in.)
Camber	KZN165R–TRMDTQ		0°18' ± 45' (0.30° ± 0.75°)	
	KZN165R–TRMDTQ3		0°18' ± 45' (0.30° ± 0.75°)	
	KZN165R–PRMDTQ		0°18' ± 45' (0.30° ± 0.75°)	
	KZN165R–PRMSTQ		0°18' ± 45' (0.30° ± 0.75°)	
	LN167R–TRMDEQ		0°18' ± 45' (0.30° ± 0.75°)	
	LN167R–TRMDEQ3		0°18' ± 45' (0.30° ± 0.75°)	
	LN167R–PRMDEQ		0°18' ± 45' (0.30° ± 0.75°)	
	LN172R–CRMDEQ		0°16' ± 45' (0.27° ± 0.75°)	
	LN172R–CRMDEQ3		0°16' ± 45' (0.27° ± 0.75°)	
				Right–left error: 30' (0.5°) or less
Caster	KZN165R–TRMDTQ	205R16C–6PR	0°52' ± 45' (0.87° ± 0.75°)	
	KZN165R–TRMDTQ3	205R16C–6PR	0°52' ± 45' (0.87° ± 0.75°)	
	KZN165R–PRMDTQ	205R16C–6PR	1°05' ± 45' (1.08° ± 0.75°)	
	KZN165R–PRMSTQ	205R16 reinforced	1°00' ± 45' (1.00° ± 0.75°)	
		255/70R15 112L LT	1°02' ± 45' (1.03° ± 0.75°)	
	LN167R–TRMDEQ	205R16C–6PR	0°53' ± 45' (0.88° ± 0.75°)	
		205R16 reinforced	0°50' ± 45' (0.83° ± 0.75°)	
	LN167R–TRMDEQ3	205R16C–6PR	0°53' ± 45' (0.88° ± 0.75°)	
		205R16 reinforced	0°50' ± 45' (0.83° ± 0.75°)	
	LN167R–PRMDEQ	205R16C–6PR	1°05' ± 45' (1.08° ± 0.75°)	
		205R16 reinforced	1°02' ± 45' (1.03° ± 0.75°)	
		255/70R15 112L LT	1°05' ± 45' (1.08° ± 0.75°)	
	LN172R–CRMDEQ	205R16C–6PR	1°18' ± 45' (1.03° ± 0.75°)	
		205R16 reinforced	1°15' ± 45' (1.25° ± 0.75°)	
	LN172R–CRMDEQ3	205R16C–6PR	1°18' ± 45' (1.03° ± 0.75°)	
		205R16 reinforced	1°15' ± 45' (1.25° ± 0.75°)	
				Right–left error: 30' (0.5°) or less

*2: A – B

*3: 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

Steering axis inclination	KZN165R–TRMDTQ	12°14' ± 45' (12.23° ± 0.75°)
	KZN165R–TRMDTQ3	12°14' ± 45' (12.23° ± 0.75°)
	KZN165R–PRMDTQ	12°15' ± 45' (12.25° ± 0.75°)
	KZN165R–PRMSTQ	12°15' ± 45' (12.25° ± 0.75°)
	LN167R–TRMDEQ	12°14' ± 45' (12.23° ± 0.75°)
	LN167R–TRMDEQ3	12°14' ± 45' (12.23° ± 0.75°)
	LN167R–PRMDEQ	12°15' ± 45' (12.25° ± 0.75°)
	LN172R–CRMDEQ	12°16' ± 45' (12.27° ± 0.75°)
	LN172R–CRMDEQ3	12°16' ± 45' (12.27° ± 0.75°)
		Right–left error: 30' (0.5°) or less
Toe–in (total)	KZN165R–TRMDTQ	0°26' ± 18' (0.45° ± 0.31°, 2.9 ± 2 mm, 0.11 ± 0.08 in.)
	KZN165R–TRMDTQ3	0°26' ± 18' (0.45° ± 0.31°, 2.9 ± 2 mm, 0.11 ± 0.08 in.)
	KZN165R–PRMDTQ	0°19' ± 18' (0.32° ± 0.31°, 2.1 ± 2 mm, 0.08 ± 0.08 in.)
	KZN165R–PRMSTQ	0°19' ± 18' (0.32° ± 0.31°, 2.1 ± 2 mm, 0.08 ± 0.08 in.)
	LN167R–TRMDEQ	0°26' ± 18' (0.45° ± 0.31°, 2.9 ± 2 mm, 0.11 ± 0.08 in.)
	LN167R–TRMDEQ3	0°26' ± 18' (0.45° ± 0.31°, 2.9 ± 2 mm, 0.11 ± 0.08 in.)
	LN167R–PRMDEQ	0°19' ± 18' (0.32° ± 0.31°, 2.1 ± 2 mm, 0.08 ± 0.08 in.)
	LN172R–CRMDEQ	0°17' ± 18' (0.30° ± 0.31°, 1.9 ± 2 mm, 0.07 ± 0.08 in.)
	LN172R–CRMDEQ3	0°17' ± 18' (0.30° ± 0.31°, 1.9 ± 2 mm, 0.07 ± 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°