

FRONT AXLE & FRONT SUSPENSION

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SECTION **FA**

MODIFICATION NOTICE:

- Service data and specifications (SDS) have been changed.

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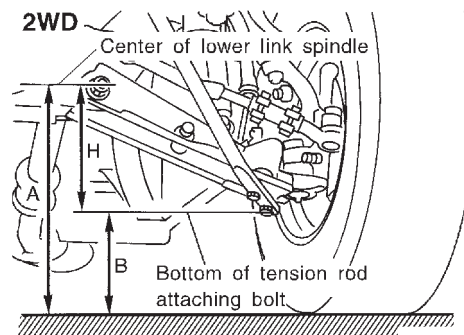
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Inspection and Adjustment

WHEEL ALIGNMENT (Unladen*1)

2WD

Applied model			Europe and Australia	Except Europe, Australia and Middle East	Middle East	
			—			Optional low-down spring
Camber	Degree minute (Decimal degree)	Minimum	−0°05′ (−0.08°)	−0°13′ (−0.22°)	0°07′ (0.12°)	
		Normal	0°25′ (0.42°)	0°17′ (0.28°)	0°37′ (0.62°)	
		Maximum	0°55′ (0.92°)	0°47′ (0.78°)	1°07′ (1.12°)	
		Left and right difference	45′ (0.75°) or less			
Caster	Degree minute (Decimal degree)	Minimum	−0°08′ (−0.13°)	0°02′ (0.03°)	0°15′ (0.25°)	
		Normal	0°22′ (0.37°)	0°32′ (0.53°)	0°45′ (0.75°)	
		Maximum	0°52′ (0.87°)	1°02′ (1.03°)	1°15′ (1.25°)	
		Left and right difference	45′ (0.75°) or less			
Kingpin inclination	Degree minute (Decimal degree)	Minimum	8°35′ (8.58°)	8°43′ (8.72°)	8°33′ (8.55°)	
		Normal	9°05′ (9.08°)	9°13′ (9.22°)	9°03′ (9.05°)	
		Maximum	9°35′ (9.58°)	9°43′ (9.72°)	9°33′ (9.55°)	
Total toe-in	Radial tire	Minimum	3 (0.12)			
		Normal	4 (0.16)			
		Maximum	5 (0.20)			
Distance (A - B)	Bias tire	Minimum	5 (0.20)		—	
		Normal	6 (0.24)		—	
		Maximum	7 (0.28)		—	
mm (in)	Radial tire	Minimum	15′ (0.25°)			
		Normal	20′ (0.33°)			
		Maximum	25′ (0.42°)			
Angle (left plus right)	Bias tire	Minimum	25′ (0.42°)		—	
		Normal	30′ (0.50°)		—	
		Maximum	35′ (0.58°)		—	
Degree minute (Decimal degree)	Maximum	Minimum	36°00′ (36.00°)		36°12′ (36.20°)	
		Normal	38°00′ (38.00°)		38°12′ (38.20°)	
		Maximum	38°00′ (38.00°)		38°12′ (38.20°)	
Wheel turning angle	Degree minute (Decimal degree)	Minimum	32°36′ (32.60°)		32°48′ (32.80°)	
		Normal	34°36′ (34.60°)		34°48′ (34.80°)	
		Maximum	34°36′ (34.60°)		34°48′ (34.80°)	
Inside	Degree minute (Decimal degree)	Minimum	36°00′ (36.00°)		36°12′ (36.20°)	
		Normal	38°00′ (38.00°)		38°12′ (38.20°)	
		Maximum	38°00′ (38.00°)		38°12′ (38.20°)	
Full turn*2	Degree minute (Decimal degree)	Minimum	32°36′ (32.60°)		32°48′ (32.80°)	
		Normal	34°36′ (34.60°)		34°48′ (34.80°)	
		Maximum	34°36′ (34.60°)		34°48′ (34.80°)	
Outside	Degree minute (Decimal degree)	Minimum	32°36′ (32.60°)		32°48′ (32.80°)	
		Normal	34°36′ (34.60°)		34°48′ (34.80°)	
		Maximum	34°36′ (34.60°)		34°48′ (34.80°)	
Vehicle posture			111 - 115	120 - 124	102 - 106	
Lower arm pivot height (H)			mm (in)	(4.37 - 4.53)	(4.72 - 4.88)	(4.02 - 4.17)



SFA815B

*1: Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

*2: On power steering models, wheel turning force (at circumference of steering wheel) of 98 to 147 N (10 to 15 kg, 22 to 33 lb) with engine idle.

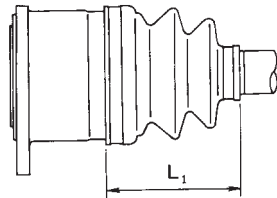
SERVICE DATA AND SPECIFICATIONS (SDS)

Inspection and Adjustment (Cont'd)

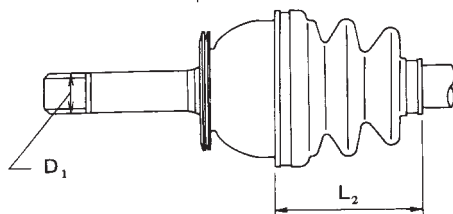
DRIVE SHAFT (4WD)

Drive shaft joint type	
Final drive side	TS82F
Wheel side	ZF100*
Fixed joint axial end play limit mm (in)	1 (0.04)
Diameter mm (in)	
Wheel side (D ₁)	29.0 (1.142)
Grease	
Quality	Nissan genuine grease or equivalent
Capacity g (oz)	
Final drive side	95 - 105 (3.35 - 3.70)
Wheel side*	135 - 145 (4.76 - 5.11)
Boot length mm (in)	
Final drive side (L ₁)	95 - 97 (3.74 - 3.82)
Wheel side (L ₂)*	96 - 98 (3.78 - 3.86)

Final drive side



Wheel side



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*: ZF100 (Wheel side) joint type has two types of material boot; one is made of rubber and the other is made of plastic. Do not disassemble joint assembly made of plastic boot. If the boot or joint is damaged, replace the drive shaft assembly.

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