

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## General Specifications — Model N14

### SUSPENSION

Suspension type	Strut type independent suspension
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### COIL SPRING

#### Except for Europe

Applied model		GA14DS		GA16DE	
		M/T	A/T	M/T	A/T
Wire diameter	mm (in)				
Left		11.6 (0.457)		11.8 (0.465)	12.0 (0.472)
Right		11.8 (0.465)		12.0 (0.472)	12.1 (0.476)
Coil diameter	mm (in)	130 (5.12)			
Left					
Right					
Free length	mm (in)				
Left		345 (13.58)		355 (13.98)	365 (14.37)
Right		355 (13.98)		365 (14.37)	375 (14.76)
Spring constant	N/mm (kg/mm, lb/in)	19.6 (2.0, 112)			
Identification color					
Left		White x 2, Yellow x 1		White x 2, Light green x 1	White x 2, Purple x 1
Right		White x 2, Light green x 1		White x 2, Purple x 1	Pink x 2, Yellow x 1

### R.H.D. for Europe

Applied model		2WD				4WD
		GA14DS, GA16DS		CD20	SR20DE	
		M/T	A/T			
Wire diameter	mm (in)					
Left		11.8 (0.465)	12.0 (0.472)	12.1 (0.476)	12.3 (0.484)	12.7 (0.500)
Right		12.0 (0.472)	12.1 (0.476)	12.3 (0.484)	12.5 (0.492)	12.9 (0.508)
Coil diameter	mm (in)	130 (5.12)				
Left						
Right						
Free length	mm (in)					
Left		355 (13.98)	365 (14.37)	375 (14.76)	360 (14.17)	390 (15.35)
Right		365 (14.37)	375 (14.76)	385 (15.16)	370 (14.57)	400 (15.75)
Spring constant	N/mm (kg/mm, lb/in)	19.6 (2.0, 112)				21.6 (2.2, 123)
Identification color						
Left		White x 2, Light green x 1	White x 2, Purple x 1	Pink x 2, Yellow x 1	Orange x 2, Light blue x 1	Pink x 2, Orange x 1
Right		White x 2, Purple x 1	Pink x 2, Yellow x 1	Pink x 2, White x 1	Orange x 2, Orange x 1	Light blue x 2, Orange x 1

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## General Specifications — Model N14 (Cont'd)

### L.H.D. for Europe

Applied model	2WD				4WD	
	GA14DS M/T	GA14DS A/T & GA16DS	CD20	SR20DE	GA16DS	SR20DET
Wire diameter mm (in)	11.8 (0.465)	12.0 (0.472)	12.1 (0.476)	12.5 (0.492)	12.3 (0.484)	12.9 (0.508)
Coil diameter mm (in)	130 (5.12)					
Free length mm (in)	355 (13.98)	365 (14.37)	375 (14.76)	370 (14.57)	390 (15.35)	400 (15.75)
Spring constant N/mm (kg/mm, lb/in)	19.6 (2.0, 112)			21.6 (2.2, 123)	19.6 (2.0, 112)	21.6 (2.2, 123)
Identification color	White × 2, Light green × 1	White × 2, Purple × 1	Pink × 2, Yellow × 1	Orange × 2, Orange × 1	Orange × 1, Light green × 1, Blue × 1	Light blue × 2, Orange × 1

### SHOCK ABSORBER OR STRUT

#### Except for Europe

Applied model	ALL
Strut type	Double-acting hydraulic
Damping force N (kg, lb) [at 0.3 m (1.0 ft)/sec.]	
Expansion	922 - 1,236 (94 - 126, 207 - 278)
Compression	265 - 422 (27 - 43, 60 - 95)
Piston rod diameter mm (in)	18 (0.71)

#### For Europe

Applied model	2WD				4WD	
	GA14DS, GA16DS		SR20DE		GA16DS	SR20DET
	R.H.D.	L.H.D.	R.H.D.	L.H.D.		
Strut type	Double-acting hydraulic					
Damping force N (kg, lb) [at 0.3 m (1.0 ft)/sec.]						
Expansion	1,000 - 1,353 (102 - 138, 225 - 304)	834 - 1,128 (85 - 115, 187 - 254)	1,000 - 1,353 (102 - 138, 225 - 304)	1,265 - 1,687 (129 - 172, 284 - 379)	1,000 - 1,353 (102 - 138, 225 - 304)	1,265 - 1,687 (129 - 172, 284 - 379)
Compression	314 - 471 (32 - 48, 71 - 106)	382 - 559 (39 - 57, 86 - 126)	520 - 755 (53 - 77, 117 - 170)	432 - 647 (44 - 66, 97 - 146)	226 - 363 (23 - 37, 51 - 82)	432 - 647 (44 - 66, 97 - 146)
Piston rod diameter mm (in)	18 (0.71)					

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## General Specifications — Model N14 (Cont'd)

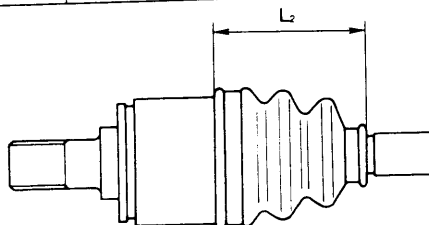
### STABILIZER BAR

Applied model	2WD		4WD	
	R.H.D.			L.H.D.
	Except SR20DE	SR20DE		
Bar diameter mm (in)	28 (1.10)		28 (1.10)	
Outer	28.6 (1.126)	—		
Inner	20.6 (0.811)	—		
Identification color	Orange	Purple		

### DRIVE SHAFT

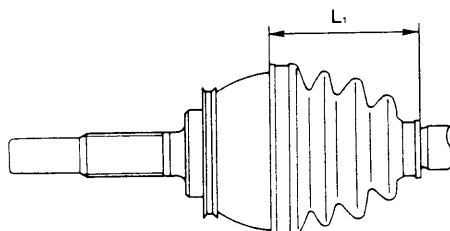
Applied model	2WD			4WD	
	GA14DS CD20	GA16DS GA16DE	SR20DE	GA16DS	SR20DET
Joint type					
Transaxle side	TS70C	TS79C	DS86	Right: DS80 Left: TS82F	Right: DS90 Left: TS82F
Wheel side	ZF80	ZF90	BF86	ZF90	ZF90
Applied grease	Nissan genuine grease or equivalent				
Quality					
Capacity g (oz)					
Transaxle side	185 - 195 (6.52 - 6.88)	225 - 235 (7.94 - 8.29)	140 - 160 (4.94 - 5.64)	R: 90 - 110 (3.17 - 3.88) L: 185 - 195 (6.52 - 6.88)	R: 165 - 175 (5.82 - 6.17) L: 185 - 195 (6.52 - 6.88)
Wheel side	90 - 100 (3.17 - 3.53)	155 - 175 (5.47 - 6.17)	105 - 125 (3.70 - 4.41)	160 - 170 (5.64 - 6.00)	160 - 170 (5.64 - 6.00)
Boot length mm (in)					
Transaxle side "L <sub>2</sub> "	95.5 - 97.5 (3.760 - 3.839)	101.5 - 103.5 (4.00 - 4.07)	97 - 99 (3.82 - 3.90)	R: 86 - 88 (3.39 - 3.46) L: 95 - 97 (3.74 - 3.82)	R: 97 - 99 (3.82 - 3.90) L: 95 - 97 (3.74 - 3.82)
Wheel side "L <sub>1</sub> "	90.5 - 92.5 (3.563 - 3.642)	96 - 98 (3.78 - 3.86)	99.5 - 101.5 (3.917 - 3.996)	96 - 98 (3.78 - 3.86)	96 - 98 (3.78 - 3.86)

Transaxle side



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Wheel side



SFA962A

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## Inspection and Adjustment — Model N14

### WHEEL ALIGNMENT (Unladen\*1)

Applied model	2WD			4WD	
	13-inch wheel		14-inch wheel	13-inch wheel	14-inch wheel
	Except CD engine	CD engine			
Camber degree	-1°00' to 0°30'			-0°40' to 0°50'	
Caster degree	0°40' - 2°10'			0°30' - 2°00'	
Kingpin inclination degree	13°15' - 14°45'			12°15' - 13°45'	
Total toe-in mm (in)	0 - 4 (0 - 0.16)				
degree	0' - 22'				
Front wheel turning angle					
Full turn*2 degree					
Inside	39° - 43°	36° - 40°	33° - 37°	37° - 41°	34° - 38°
Outside	34°	32°	30°	31°	29°

\*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) is 98 to 147 N (10 to 15 kg, 22 to 33 lb) with engine at idle.

### WHEEL BEARING

Applied model	All
Axial end play mm (in)	Less than 0.05 (0.0020)
Lock nut tightening torque N·m (kg-m, ft-lb)	196 - 275 (20 - 28, 145 - 203)
Preload N·m (kg-cm, in-lb)	1.31 (13.4, 11.6)
At knuckle arm N (kg, lb)	8.8 (0.9, 2.0)

### LOWER BALL JOINT

Applied model	All
Axial end play mm (in)	0 (0)
Swinging force N (kg, lb)	7.8 - 57.9 (0.8 - 5.9, 1.8 - 13.0)
At cotter pin hole	
Rotating torque N·m (kg-cm, in-lb)	0.5 - 3.4 (5 - 35, 4.3 - 30.4)

### WHEEL RUNOUT

Unit: mm (in)

Wheel type	Aluminum wheel	Steel wheel
Maximum radial runout limit	0.3 (0.012)	0.5 (0.020)
Maximum lateral runout limit	0.3 (0.012)	0.8 (0.031)

**General Specifications — Model N14**

**SUSPENSION**

Suspension type	Strut type parallel link independent suspension
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**COIL SPRING**

**Except for Europe**

Applied model	Without A.B.S.	With A.B.S.
Wire diameter mm (in)	11.2 (0.441)	11.4 (0.449)
Coil diameter mm (in)	130 (5.12)	
Free length mm (in)	351 (13.82)	331 (13.03)
Spring constant N·m (kg-m, ft-lb)	16 (1.6, 12)	18 (1.8, 13)
Identification color	Purple × 2, Orange × 1	Pink × 1, Purple × 2

**For Europe**

Applied model	2WD								4WD	
	3-door Hatchback			5-door Hatchback			4-door Sedan		GA16DS	SR20DET
	GA14DS & CD20	GA16DS	SR20DE	GA14DS	GA16DS & CD20	SR20DE	GA14DS	GA16DS & CD20		
Wire diameter mm (in)	11.1 (0.437)	11.1 (0.437)	11.2 (0.441)	11.1 (0.437)	11.2 (0.441)	11.5 (0.453)	11.1 (0.437)	11.1 (0.437)	11.6 (0.457)	9.7 - 11.9 (0.382 - 0.469)
Coil diameter mm (in)	130 (5.12)									
Free length mm (in)	331 (13.03)	341 (13.43)	321 (12.64)	341 (13.43)	351 (13.82)	341 (13.43)	331 (13.03)	341 (13.43)	351 (13.82)	314 (12.36)
Spring constant N·m (kg-m, ft-lb)	16 (1.6, 12)	16 (1.6, 12)	18 (1.8, 13)	16 (1.6, 12)	16 (1.6, 12)	18 (1.8, 13)	16 (1.6, 12)	16 (1.6, 12)	20 (2.0, 14)	14 - 24 (1.4 - 2.4, 10 - 17)
Identification color	Pink × 2, Light blue × 1	Pink × 2, Pink × 1	Pink × 2, Light green × 1	Pink × 2, Pink × 1	Purple × 2, Orange × 1	Purple × 2, White × 1	Pink × 2, Light blue × 1	Pink × 2, Pink × 1	Yellow × 2, Yellow × 1	White × 2, Light blue × 1

**General Specifications — Model N14 (Cont'd)**

**SHOCK ABSORBER OR STRUT**

**Except for Europe**

Applied model		All
Strut type		Double-acting hydraulic
Damping force [at 0.3 m (1.0 ft)/sec.]	N (kg, lb)	
Expansion		539 - 736 (55 - 75, 121 - 165)
Compression		226 - 363 (23 - 37, 51 - 82)
Piston rod diameter	mm (in)	18 (0.71)

**For Europe**

Applied model	2WD				4WD			
	GA14DS & CD20	GA16DS		SR20DE	GA16DS		SR20DET	
		Without A.B.S.	With A.B.S.		Without A.B.S.	With A.B.S.		
Strut type	Double-acting hydraulic							
Damping force [at 0.3 m (1.0 ft)/sec.]	N (kg, lb)							
Expansion	412 - 579 (42 - 59, 93 - 130)	412 - 579 (42 - 59, 93 - 130)	412 - 579 (42 - 59, 93 - 130)	490 - 686 (50 - 70, 110 - 154)	490 - 686 (50 - 70, 110 - 154)	490 - 686 (50 - 70, 110 - 154)	667 - 902 (68 - 92, 150 - 203)	
Compression	265 - 422 (27 - 43, 60 - 95)	265 - 422 (27 - 43, 60 - 95)	265 - 422 (27 - 43, 60 - 95)	324 - 500 (33 - 51, 73 - 112)	265 - 422 (27 - 43, 60 - 95)	265 - 422 (27 - 43, 60 - 95)	314 - 471 (32 - 48, 71 - 106)	
Piston rod diameter	mm (in)	18 (0.71)	22 (0.87)	22 (0.87)	22 (0.87)	18 (0.71)	18 (0.71)	22 (0.87)

**STABILIZER BAR**

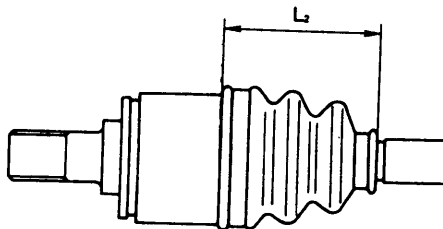
Applied model	2WD			4WD		
	Except SR20DE		SR20DE	GA16DS	SR20DET	
	R.H.D.	L.H.D.				
Bar diameter	mm (in)	9 (0.35)	10 (0.39)	14 (0.55)	10 (0.39)	15 (0.59)
Identification color		Red	Orange	White	Red	Green

**General Specifications — Model N14 (Cont'd)**

**DRIVE SHAFT**

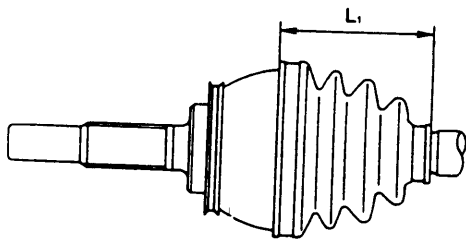
Applied model	GA16DS	SR20DET
Joint type		
Final drive side	TS70C	TS79C
Wheel side	ZF80	ZF90
Applied grease	Nissan genuine grease or equivalent	
Quality	Nissan genuine grease or equivalent	
Capacity	g (oz)	
Final drive side	185 - 195 (6.52 - 6.88)	225 - 235 (7.94 - 8.29)
Wheel side	90 - 100 (3.17 - 3.53)	160 - 170 (5.64 - 6.00)
Boot length	mm (in)	
Final drive side "L <sub>2</sub> "	95.5 - 97.5 (3.760 - 3.839)	101.5 - 103.5 (4.00 - 4.07)
Wheel side "L <sub>1</sub> "	90.5 - 92.5 (3.563 - 3.642)	96 - 98 (3.78 - 3.86)

**Final drive side**



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**Wheel side**



SFA962A

Inspection and Adjustment — Model N14

WHEEL ALIGNMENT (Unladen\*1)

Applied model	2WD	4WD
Camber degree	-1°40' to -0°10'	-0°55' to 0°35'
Toe-in mm (in)	-1 to 3 (-0.04 to 0.12)	
Total toe-in degree	-6' to 18'	

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

WHEEL BEARING

Brake	2WD	4WD
Wheel bearing axial end play mm (in)	Less than 0.05 (0.0020)	
Wheel bearing lock nuts		
Tightening torque N·m (kg·m, ft·lb)	186 - 255 (19 - 26, 137 - 188)	196 - 275 (20 - 28, 145 - 203)
Wheel bearing preload		
At wheel center N·m (kg·cm, in·lb)	0.18 - 0.94 (1.8 - 9.6, 1.6 - 8.3)	1.31 (13.4, 11.6)
At wheel hub bolt N (kg, lb)	3.9 - 18.6 (0.4 - 1.9, 0.9 - 4.2)	9.8 (1.0, 2.2)

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## General Specifications — N14 models (Cont'd)

### N14 MODELS

#### BRAKE UNIT (Europe)

Applied model	2WD			4WD			
	GA14, 16DS CD20	GA16DS	SR20DE	GA16DS		SR20DET	
	Without A.B.S.	With A.B.S.		Without A.B.S.	With A.B.S.	Without A.B.S.	With A.B.S.
<b>Front brake</b>							
Brake model	CL18VD		AD22VF	CL18VD		AD22VF	
Cylinder bore diameter mm (in)	48.1 (1.894)		54.0 (2.126)	48.1 (1.894)		54.0 (2.126)	
Lining mm (in) length x width x thickness	106 x 43 x 10 (4.17 x 1.69 x 0.39)		106.8 x 41.8 x 10 (4.20 x 1.646 x 0.39)	106 x 43 x 10 (4.17 x 1.69 x 0.39)		106.8 x 41.8 x 10 (4.20 x 1.646 x 0.39)	
Rotor outer diameter mm (in)	240 x 18 (9.45 x 0.71)		257 x 26 (10.12 x 1.02)	240 x 18 (9.45 x 0.71)		257 x 26 (10.12 x 1.02)	
<b>Rear brake</b>							
Brake model	LT18C	AD7HA	CL9HA	LT23B	AD7HA	CL9HA	
Cylinder bore diameter mm (in)	15.9 (5/8)	30.16 (1.1874)	33.96 (1.3370)	15.9 (5/8)	30.16 (1.1874)	33.96 (1.3370)	
Lining mm (in) length x width x thickness	172.8 x 30 x 4 (6.80 x 1.18 x 0.16)	94 x 29 x 10 (3.70 x 1.14 x 0.39)	89.1 x 39.5 x 10 (3.508 x 1.555 x 0.39)	219.4 x 40 x 4.5 (8.64 x 1.57 x 0.177)	94 x 29 x 10 (3.70 x 1.14 x 0.39)	89.1 x 39.5 x 10 (3.508 x 1.555 x 0.39)	
Drum inner diameter or rotor outer diameter x thickness mm (in)	180 (7.09)	234 x 7 (9.21 x 0.28)	258 x 9 (10.16 x 0.35)	228.6 (9)	234 x 7 (9.21 x 0.28)	258 x 9 (10.16 x 0.35)	
<b>Master cylinder</b>							
Cylinder bore diameter mm (in)	20.64 (13/16)		22.22 (7/8)	20.64 (13/16)		23.81 (15/16)	
<b>Control valve</b>							
Control valve	R.H.D.: D.P.V.*2 L.H.D.: D.P.V.*1	Twin load sensing valve		D.P.V.*1	D.P.V.*2	R.H.D.: D.P.V.*2 L.H.D.: D.P.V.*1	D.P.V.*2
Split point [kPa (bar, kg/cm <sup>2</sup> , psi)] x reducing ratio	3,432 (34.3, 35, 498) x 0.2	Variable		3,923 (39.2, 40, 569) x 0.2	3,432 (34.3, 35, 498) x 0.2	2,942 (29.4, 30, 427) x 0.4	3,432 (34.3, 35, 498) x 0.1
<b>Brake booster</b>							
Booster model	M165T			M195T			
Diaphragm diameter mm (in)	Primary: 180 (7) Secondary: 155 (6)			Primary: 205 (8) Secondary: 180 (7)			
Recommended brake fluid	DOT 3						

\*1: Dual proportioning valve built into master cylinder (built-in type)

\*2: Dual proportioning valve separated from master cylinder (separated type)

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## Inspection and Adjustment

### DISC BRAKE

Unit: mm (in)

Brake model	Front			Rear	
	CL18C	CL18VD	AD22VF	AD7HA	CL9HA
Lining wear limit					
Minimum thickness	2.0 (0.079)				1.5 (0.059)
Rotor repair limit					
Minimum thickness	10.0 (0.394)	16.0 (0.630)	24.0 (0.945)	6.0 (0.236)	8.0 (0.315)
Maximum runout	0.07 (0.0028)				
Maximum thickness variation	0.02 (0.0008)				

### DRUM BRAKE

Unit: mm (in)

Brake model	Rear	
	LT18C	LT23B
Lining wear limit		
Minimum thickness	1.5 (0.059)	
Drum repair limit		
Maximum inner diameter	181 (7.13)	230 (9.06)
Out-of-round	0.03 (0.0012)	

### BRAKE PEDAL

Unit: mm (in)

	2WD		4WD	
	R.H.D.	L.H.D.	R.H.D.	L.H.D.
Free height				
M/T	155 - 165 (6.10 - 6.50)	148 - 158 (5.83 - 6.22)	158 - 168 (6.22 - 6.61)	157 - 167 (6.18 - 6.57)
A/T	164 - 174 (6.46 - 6.85)	157 - 167 (6.18 - 6.57)	—	—
Depressed height [under force of 490 N (50 kg, 110 lb) with engine running]	See next page.			
Clearance between switches and pedal stopper bracket	0.1 - 0.3 (0.004 - 0.012)			
Pedal free play	1 - 3 (0.04 - 0.12)			

### PARKING BRAKE CONTROL

Brake type	Drum	Disc
Control type	Center lever	
Number of notches [under force of 196 N (20 kg, 44 lb)]	5 - 6	7 - 8
Number of notches when warning switch comes on	1 or less	

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## Inspection and Adjustment (Cont'd)

### BRAKE PEDAL

**Depressed Height [Under force of 490 N (50 kg, 110 lb) with engine running]**

#### Europe

Unit: mm (in)

Applied model		2WD			4WD		
		Except SR20DE		SR20DE	GA16DS		SR20DET
		Without A.B.S.	With A.B.S.	—	Without A.B.S.	With A.B.S.	—
L.H.D.	M/T	75 (2.95) or more	75 (2.95) or more	90 (3.54) or more	75 (2.95) or more	75 (2.95) or more	85 (3.35) or more
	A/T	75 (2.95) or more	80 (3.15) or more	—	—	—	—
R.H.D.	M/T	80 (3.15) or more	80 (3.15) or more	85 (3.35) or more	—	—	80 (3.15) or more
	A/T	85 (3.35) or more	85 (3.35) or more	—	—	—	—

#### Except Europe

Unit: mm (in)

Applied model		N14 and B13		N14	B13
		GA16D		GA14D	Others
		Without A.B.S.	With A.B.S.		
L.H.D.	M/T	75 (2.95) or more	75 (2.95) or more	75 (2.95) or more	80 (3.15) or more
	A/T	80 (3.15) or more	85 (3.35) or more	80 (3.15) or more	85 (3.35) or more
R.H.D.	M/T	80 (3.15) or more	80 (3.15) or more	80 (3.15) or more	80 (3.15) or more
	A/T	85 (3.35) or more	85 (3.35) or more	85 (3.35) or more	90 (3.54) or more

# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## General Specifications

Applied model	Except Europe			Europe		
Steering model	Manual steering	Power steering		Manual steering	Power steering	
Steering gear type	R24S	PR24SC		R24N	PR24SC	
Turns of steering wheel (Lock to lock)	3.75*1 4.01*2 4.21*3	R.H.D.	L.H.D.	3.75*1 4.21*3	2WD	4WD
			2.97*1 3.17*2, 3.33*3		2.74*1, 2.93*2 3.07*3	
Steering column type	Collapsible, tilt					

\*1: Models equipped with 14-inch tires

\*2: Diesel engine models equipped with 13-inch tires

\*3: Gasoline engine models equipped with 13-inch tires

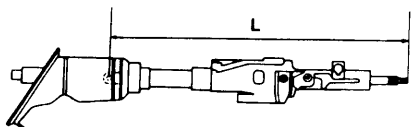
## Inspection and Adjustment

### GENERAL

Steering wheel axial play mm (in)	0 (0)
Steering wheel play limit mm (in)	35 (1.38)
Maximum movement of gear housing mm (in)	± 2 (± 0.08)

### STEERING COLUMN

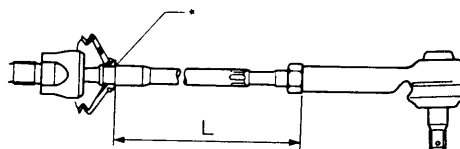
Steering column length "L" mm (in)	536.2 - 537.8 (21.11 - 21.17)
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SST125B

### STEERING GEAR AND LINKAGE

Steering gear type	R24S, R24N	PR24SC
Side rod outer ball joint		
Swinging force at cotter pin hole N (kg, lb)	6.9 - 64.7 (0.7 - 6.6, 1.5 - 14.6)	
Rotating torque N·m (kg-cm, in-lb)	0.3 - 2.9 (3 - 30, 2.6 - 26.0)	
Axial end play limit mm (in)	Less than 0.5 (0.020)	
Side rod inner ball joint		
Swinging force* N (kg, lb)	14.7 - 21.6 (1.5 - 2.2, 3.3 - 4.9)	
Axial end play limit mm (in)	0 (0)	
Side rod standard length "L" mm (in)	184 (7.24)	



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\*: Measuring point

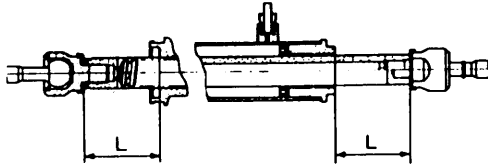
# SERVICE DATA AND SPECIFICATIONS (S.D.S.)

## Inspection and Adjustment (Cont'd)

### STEERING GEAR AND LINKAGE (Cont'd)

	2WD	4WD
Rack stroke "L"	65.5 (2.579)*1 70.0 (2.756)*2, 73.5 (2.894)*3	60.0*1 62.5*3
mm (in)		

- \*1: Models equipped with 14-inch tires  
 \*2: Diesel engine models equipped with 13-inch tires  
 \*3: Gasoline engine models equipped with 13-inch tires



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Steering gear type	R24S, R24N	PR24SC
Retainer adjustment		
Adjusting screw N-m (kg-cm, in-lb)		
Initial tightening torque	2.9 (30, 26)	4.9 (50, 43)
Retightening torque after loosening	0.2 (2, 1.7)	0.2 (2, 1.7)
Tightening torque after gear has settled	2.9 (30, 26)	4.9 (50, 43)
Returning angle degree	50° - 70°	40° - 60°
Pinion gear preload without gear oil N-m (kg-cm, in-lb)		
Within ± 100° from the neutral position		
Average rotating torque	0.7 - 1.2 (7 - 12, 6.1 - 10.4)	0.8 - 1.3 (8 - 13, 6.9 - 11.3)
Maximum torque devi- ation	0.3 (3, 2.6)	0.4 (4, 3.5)
Except above range		
Maximum rotating torque	1.5 (15, 13)	1.9 (19, 16)
Maximum torque devi- ation	0.5 (5, 4.3)	0.6 (6, 5.2)

### POWER STEERING

Steering gear type	PR24SC
Rack sliding force N (kg, lb)	
Under normal operating oil pressure	
Range within ± 11.5 mm (± 0.453 in) from the neutral position	Less than 226 (23, 51)
Except above range	Not more than 39 (4, 9) beyond above value
Steering wheel turning force (Measured at one full turn from the neutral position) N (kg, lb)	39 (4, 9) or less
Fluid capacity (Approximate) ℓ (Imp qt)	1 (7/8)
Oil pump maximum pressure kPa (bar, kg/cm <sup>2</sup> , psi)	Except CD17 engine 7,649 - 8,238 (76.5 - 82.4, 78 - 84, 1,109 - 1,194) CD17 engine 6,669 - 7,257 (66.7 - 72.6, 68 - 74, 967 - 1,052)