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MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1994

Manufacturer NISSAN MOTOR CO., LTD.	Vehicle Line NISSAN SENTRA	
Mailing Address 560-2, OKATSUKOKU, ATSUGI-SHI, KANAGAWA, 243-01, JAPAN	Issued '93-9	Revised

Direct questions concerning these specifications to the manufacturer listed above.

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

mvma

Motor Vehicle Manufacturers Association
of the United States, Inc.

Forms Provided by Technical Affairs Division

MVMA Specifications

METRIC (U.S. Customary)

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NOTE :

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED :
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications

Vehicle Line NISSAN SENTRA
 Model Year '94 Issued '93 - 9 Revised() _____

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Vehicle Origin

Design & development (company)	NISSAN MOTOR CO., LTD.
Where built (country)	JAPAN / U. S. A.
Authorized U.S.sales marketing representative	NISSAN MOTOR CORPORATION in U. S. A.

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*				Introduction Date	Make, Vehicle Models, Series, Body Type (Mfg'r's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk / Cargo Load - Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
FED	2SED	2WD	GA16DE	E	AAYALBFB13EUA	5 (2 / 3)	34 kg (75 lbs)	29 / 38
					AAYALBAB13EUA			26 / 35
				XE	AAYALFFB13EUA			29 / 38
					AAYALFAB13EUA			26 / 35
				SE	AAYALWFB13EUA			29 / 38
					AAYALWAB13EUA			26 / 35
	4SED	2WD	GA16DE	SE - R	ABYALHFB13EUA			23 / 31
					ABYALHAB13EUA			23 / 30
				E	BAYALBFB13EUA			29 / 38
					BAYALBAB13EUA			26 / 35
				XE	BAYALFFB13EUA			29 / 38
					BAYALFAB13EUA			26 / 35
CAL	2SED	2WD	GA16DE	GXE	BAYALGFB13EUA			29 / 38
					BAYALGAB13EUA			26 / 35
	4SED	2WD	GA16DE	E	AAYALBFB13EVA			29 / 38
					AAYALBAB13EVA			26 / 35
				XE	AAYALFFB13EVA			29 / 38
					AAYALFAB13EVA			26 / 35
	2SED	2WD	GA16DE	SE	AAYALWFB13EVA			29 / 38
					AAYALWAB13EVA			26 / 35
				SE - R	ABYALHFB13EVA			23 / 31
					ABYALHAB13EVA			23 / 30
	4SED	2WD	GA16DE	E	BAYALBFB13EVA			29 / 38
					BAYALBAB13EVA			26 / 35
				XE	BAYALFFB13EVA			29 / 38
					BAYALFAB13EVA			26 / 35
	4SED	2WD	GA16DE	GXE	BAYALGFB13EVA			29 / 38
					BAYALGAB13EVA			26 / 35

*FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

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Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77° F / 25° C and 29.61 in Hg / 100 kPa atmospheric pressure.

		A	B	C	D
E N G I N E	Engine Code	GA16DE	GA16DE	SR20DE	SR20DE
	Displacement Liters (in³)	1.597	1.597	1.998	1.998
	Induction system (FI, Carb, etc.)	N. A.	N. A.	N. A.	N. A.
	Compression ratio	9.5	9.5	9.5	9.5
	SAE Net at RPM	Power kW(bhp) 80.9 / 6000 (110 / 6000)	80.9 / 6000 (110 / 6000)	103.0 / 6400 (140 / 6400)	103.0 / 6400 (140 / 6400)
		Torque N · m(lb. ft.) 147.1 / 4000 (108 / 4000)	147.1 / 4000 (108 / 4000)	179.0 / 4800 (132 / 4800)	179.0 / 4800 (132 / 4800)
T R A N S	Exhaust single, dual	SINGLE	SINGLE	Dual	Dual
	Transmission / Transaxle	RS5F31A	RL4F03A	RS5F32V	RE4F03V
	Effective Final Drive/ Axle Ratio (std.first)	3.895	3.827	4.176	3.827

Series Availability		Power Teams(A - B - C - D)	
Model	Code	Standard	Optional
AAYALBFB13EUA		A	
AAYALBAB13EUA		B	
AAYALFFB13EUA		A	
AAYALFAB13EUA		B	
AAYALWFB13EUA		A	
AAYALWAB13EUA		B	
ABYALHFB13EUA		C	
ABYALHAB13EUA		D	
BAYALBFB13EUA		A	
BAYALBAB13EUA		B	
BAYALFFB13EUA		A	
BAYALFAB13EUA		B	
BAYALGFB13EUA		A	
BAYALGAB13EUA		B	
AAYALBFB13EVA		A	
AAYALBAB13EVA		B	
AAYALFFB13EVA		A	
AAYALFAB13EVA		B	
AAYALWFB13EVA		A	
AAYALWAB13EVA		B	
ABYALHFB13EVA		C	
ABYALHAB13EVA		D	
BAYALBFB13EVA		A	
BAYALBAB13EVA		B	
BAYALFFB13EVA		A	
BAYALFAB13EVA		B	
BAYALGFB13EVA		A	
BAYALGAB13EVA		B	

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Vehicle Line NISSAN SENTRA
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METRIC(U.S.Customary)

Engine Description Engine Code	GA16DE	SR20DE
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ENGINE - GENERAL

Type & description(inline,V, angle, flat,location,front,mid,rear, transverse,longitudinal,sohc,dohc, ohv,hemi,wedge,pre-chamber,etc.)	Inline Front Transverse	
Manufacturer	AICHI, NMMC	NISSAN
No. of cylinders	4	
Bore	76 mm	86 mm
Stroke	88 mm	86 mm
Bore spacing (C / L to C / L)	85.5 mm	97 mm
Cylinder block material & mass kg(lbs.)(machined)	Cast Iron 36.6 kg	Aluminum Alloy 26 kg
Cylinder block deck height	214 mm	211.3 mm
Cylinder block length	369 mm	440.5 mm
Deck clearance (minimum) (above or below block)	0 mm	
Cylinder head material & mass kg (lbs.)	Aluminum Alloy 10.8 kg	Aluminum Alloy 15 kg
Cylinder head volume cm ³ (inches ³)	32 cm ³	46 cm ³
Cylinder liner material	Cast Iron	
Head gasket thickness (compressed)	1.2 mm	
Minimum combustion chamber total volume cm ³ (inches ³)	47 cm ³	59 cm ³
Cyl.no.system (front to rear) *	L.Bank	1 - 2 - 3 - 4
	R.Bank	N. A.
Firing order	1 - 3 - 4 - 2	
Intake manifold material & mass kg(lbs.)**	Aluminum Alloy 6.0 kg	Aluminum Alloy 3.7 kg
Exhaust manifold material & mass kg(lbs.)**	Cast Iron 4.6 kg	Cast Iron 5.2 kg
Knock sensor (number & location)	N. A.	
Fuel required unleaded, diesel,etc.	Unleaded	
Fuel antiknock index (R + M) + 2	No less than 87	
Engine mounts	Quantity	Attachment *
	Material and type(elastomeric, hydroelastic,hydraulic damper,etc.)	RH Mount : Hydroelastic / Other Mount : Elastomeric
	Added isolation (sub-frame, crossmember,etc.)	Center Member

Total dressed engine mass(Wt)dry***

Engine - Pistons

Material & mass, g (weight,oz.) - piston only	Aluminum Alloy 236 g	Aluminum Alloy 362 g
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Engine - Camshaft

Location	Cylinder Head	
Material & mass kg(weight,lbs)	Cast Iron Int 1.8 kg Exh 1.7 kg	Cast Iron 2 kg
Drive type	Chain / belt	Chain
	Width / pitch	14 mm / 9.525 mm 14 mm / 9.5 mm

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Finished state.

*** Dressed engine mass (weight)included the following :

M / T	A / T
MAIN MOUNTS 3	MAIN MOUNTS 3
BUFFER ROD 1	

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Engine Description
Engine Code

GA16DE

SR20DE

Engine - Valve System

Hydraulic lifters(std. opt.n.a.)	N. A.	Std.
Valves	Number intake / exhaust	2 / 2
	Head O.D. intake / exhaust	30 mm / 24 mm
		34.2 mm / 30.2 mm

Engine - Connecting Rods

Material & mass kg. (weight, lbs)*	Forged Steel 0.529 kg	Vanadium Steel 0.59 kg
Length(axes C / L to C / L)	140.5 mm	136.3 mm

Engine - Crankshaft

Material & mass kg. (weight, lbs)*	Forged Steel 12.7 kg	Vanadium Steel 17.0 kg
End thrust taken by bearing (no.)	No. 3	
Length & number of main bearings	465.5 mm, 5	506.3 mm, 5
Seal(material, one, two piece design, etc.)	Front Acrylic Rubber One Piece	
	Rear Silicon Rubber One Piece	Fluorine Rubber One Piece

Engine - Lubrication System

Normal oil pressure kPa (Psi) at engine rpm	294.2 kPa at 2000 rpm	314 - 392 kPa at 3200 rpm
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part, other)	Full Flow	
Capacity of c / case, less filter - refill L (qt.)	3.2	3.7

Engine - Diesel Information

Diesel engine manufacturer	
Glow plug, current drain at 0° F	
Injector	Type
nozzle	Opening pressure kPa (psi)
Pre - chamber design	
Fuel in -	Manufacturer
jection pump	Type
Fuel injection pump drive (belt, chain, gear)	
Supplementary vacuum source (type)	
Fuel heater (yes / no)	
Water separator, description (std., opt.)	
Turbo manufacturer	
Oil cooler - type (oil to engine coolant ; oil to ambient air)	
Oil filter	

Engine - Intake System

Turbo charger - manufacturer	N. A.
Super charger - manufacturer	N. A.
Intercooler	N. A.

*Finished State

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Engine Description
Engine Code

GA16DE		SR20DE	
M/T	4 A/T	M/T	4 A/T

Engine - Cooling System

Coolant recovery system (std.,opt.,n.a.)		Std. (Reserve Tank)				
Coolant fill location (rad.,bottle)		Bottle				
Radiator cap relief valve pressure kPa(psi)		90				
Circulation	Type (choke,bypass)	Bypass				
thermostat	Starts to open*at °C(F)	76.5°C				
Water pump	Type (centrifugal, other)	Centrifugal				
	GPM 1000 pump rpm	N. A.				
	Number of pumps	1				
	Drive(V - belt,other)	V - Belt				
	Bearing type	Ball and Roller		Ball		
	Impeller material	Cold Rolled Carbon Steel				
	Housing material	Aluminum Alloy				
By - pass recirculation type(inter.,ext.)		Internal				
Cooling system capacity	With heater - L(qt.)	5.3	5.5	5.8	6.0	
	With air conditioner - L(qt.)	5.3	5.5	5.8	6.0	
	Opt.equipment specify - L(qt.)	Yes				
Water jackets full length of cyl.(yes .no)		Yes		No		
Water all around cylinder(yes,no)		Yes				
Water jackets open at head face (yes,no)		No				
Radiator core	Std., A / C, HD	Std. A/C				
	Type (cross - flow,etc.)	Vertical Flow				
	Construction(fin & tube mechanical,braze,etc.)	TUBE AND CORRUGATED FIN BRAZED				
	Material,mass kg (wgt.,lbs)	1.9	2.5	2.2	2.5	
	Width	647mm	647mm	647mm	647mm	
	Height	320mm	320mm	320mm	320mm	
	Thickness	16mm	16mm	16mm	16mm	
	Fins per inch	16	23	23	23	
Radiator end tank material		Resin				
Fan	Std., elec.,opt.	Elect.				
	Number of blades & type (flex,solid,material)	N. A.				
	Number & location (front, rear of radiator)					
	Diameter & projected width	300				
	Ratio(fan to crankshaft rev.)	N. A.				
	Fan cutout type	N. A.				
	Drive type(direct,remote)	N. A.				
	RPM at idle (elec.)	1800	High speed 2250 Low speed 1600	1800	High speed 2300 Low speed 1750	
	Motor rating (wattage / elec.)	50W	110W	70W	160W	
	Motor switch (type & location / elec.)	Electrical - ECCS Control				
	Switch point (temp./pressure/elec.)	*1				
	Fan shroud (material)	Resin				
			*1 Electrical-ECCS Control			
			91°C at Idle	91°C at Idle (Low)	100°C at Idle	95°C at Idle (Low)

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Engine Description
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GA16DE

SR20DE

Engine - Fuel System

(See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type : carburetor, fuel injection system, etc.		Electronic Fuel Injection	
Manufacturer		NISSAN	
Carburetor no. of barrels		N. A.	
Idle A / F mix		Present and Sealed at Factor	
Fuel injection	Point of injection (no.)	4	
	Constant, pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure kPa (psi)	299.1 Kpa (3.05 kg / cm ²)	
Idle spd., rpm (spec. neutral or drive and propane if used)	Manual	650 rpm	800 rpm
	Automatic	800 rpm (N Range)	
Intake manifold heat control (exhaust or water thermostatic or fixed)		No	Fixed
Air cleaner type		Paper Element	
Fuel filter (type / location)		Paper Element / Engine Room	
Fuel pump	Type (elec. or mech.)	Electrical	
	Location (eng., tank)	In tank	
	Pressure range kPa (psi)	300 Kpa	
	Flow rate at regulated pressure L (gal) / hr @ kPa (psi)	85 L/hr at 300 Kpa	70 L/hr at 299 Kpa

Fuel Tank

Capacity refill L (gallons)		50 (13.2)	
Location (describe)		Under Rear Floor	
Attachment		Fastened with Bolts	
Material & Mass kg (weight lbs.)		Carbon Steel Tin-Lead Coat, 11	
Filler pipe	Location & material	At the Left Rear Fender, Carbon Steel	
	Connection to tank	Rubber Hose	
Fuel line (material)		Carbon Steel & Rubber	
Fuel hose (material)		Rubber	
Return line (material)		Carbon Steel & Rubber	
Vapor line (material)		Carbon Steel & Rubber	
Extended range tank	Opt., n.a.		
	Capacity L (gallons)		
	Location & material		
	Attachment		
Auxiliary tank	Opt., n.a.		
	Capacity L (gallons)		
	Location & material		
	Attachment		
	Selector switch or valve		
Separate fill			

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Vehicle Emission Control

	Type(air injection,engine modifications, other)		TWC / H02S / EGR / SMPI (Fed A/T only) TWC / 02S / EGR / SMPI (other)	EGI / EGR / TWC / 02S
Air Injection	Air	Pump or pulse	N. A.	N. A.
		Driven by	N. A.	N. A.
		Air distribution (head, manifold, etc.)	N. A.	N. A.
		Point of entry	N. A.	N. A.
	Exhaust Gas	Type(controlled flow, open orifice, other)	Controlled Flow	
		Exhaust source	Exhaust Manifold	
	Recirculation	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
	Catalytic Converter	Type	Three way	
		Number of	1	
		Location(s)	Under Floor	
		Volume L (in ³)	1.7	
		Substrate type	Monolith	
		Noble metal type		
		Noble metal concentration(g/cm ³)		
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Intake Manifold	
	Air inlet (breather cap, other)		Air Duct	Air Duct
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister	
		Carburetor	N. A.	
	Vapor storage provision		Carbon Canister	
Electronic system	Closed loop(yes/no)		Yes	
	Open loop(yes/no)		Yes	

Engine-Exhaust system

Type(single, single with cross-over, dual, other)		Single with Converter	Dual with Converter
Muffler no. & type (reverse flow, straight thru, separate resonator)Material & Mass kg (weight lbs)		Muffler2 1. Expansion with Glass Wool 2. Expansion and Reverse Flow with Resonator	
Resonator no. & type		None	None
Exhaust pipe	Branch o.d., wall thickness	None	φ 42.7 x 2 11.5
	Main o.d., wall thickness	φ 42.7 Front Half : 11.5 Rear Half : 11.2	φ 48.6 Front Half : 11.5 Rear Half : 11.2
	Material & Mass kg (weight lbs)	Stainless Steel Tube 3.0 kg	Stainless Steel Tube 4.2 kg
Inter-mediate pipe	o.d., & wall thickness	Front Half : φ 45 12.0 Rear Half : φ 42.7 11.2	φ 48.6 Front Half : 11.2 Rear Half : 12.0
	Material & Mass kg (weight lbs)	Al coat Steel Tube 3.6 kg	Al coat Steel Tube 3.2 kg
Tail pipe	o.d., & wall thickness	φ 38.1 11.2	φ 48.6 11.2
	Material & Mass kg (weight lbs)	Stainless Steel Tube 0.3 kg	Stainless Steel Tube 0.2 kg

* Material : Stainless Steel & Al Coat Steel

Mass:

	GA16DE	SR20DE
1	1.7 kg	1.8 kg
2	3.1 kg	5.1 kg

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Transmissions/Transaxle(Std.,Opt.,N.A.)

Manual 4-speed (manufacturer/country)	N. A.
Manual 5-speed (manufacturer/country)	Std.
Manual 6-speed (manufacturer/country)	N. A.
Automatic(manufacturer/country)	N. A.
Automatic overdrive(manufacturer/country)	Std.

Manual Transmission/Transaxle

Number of forward speeds		5	5
Gear rations	1st	3.333	3.063
	2nd	1.955	1.826
	3rd	1.286	1.286
	4th	0.926	0.975
	5th	0.733	0.756
	6th	—	—
	Reverse	3.417	3.153
Synchronous meshing(specify gears)		1, 2, 3, 4, 5	1, 2, 3, 4, 5
Shift lever location		Floor Mounted	Floor Mounted
Trans.case mat'l. & mass kg(lbs)*		Aluminum Alloy 34.3	Aluminum Alloy 41.2
Lubricant	Capacity L (pt)	2.9	3.5 ~ 3.7
	Type recommended	NISSAN MPG SPECIAL 80W-90	

Clutch (Manual Transmission)

Clutch manufacturer		ATSUGI UNISIA	
Clutch type(dry,wet:single,multiple disc)		Dry Single Disc	
Linkage(hydraulic,cable,rod,lever,other)		Cable	
Max.pedal effort(nom. spring load) N(lbs)	Depressed		
	Released		
Assist (spring power/percent,nominal)			
Type pressure plate springs		Diaphragm	
Total spring load(nominal)N(lbs)		3825 (N)	4413 (N)
Clutch facing	Facing mfg.& material coding	HITACHI, HN63Z2	NISSHINBO, NN63
	Facing material & construction	Spial Wound Non Asbestos	
	Rivets per facing	16 V	
	Outside x inside dia. (nominal)	190 x 132	215 x 140
	Total eff.area cm ² (in. ²)	147 cm ²	209 cm ²
	Thickness(pressure plate side/fly wheel side)	3.5 / 3.5	
	Rivet depth(pressure plate side/fly wheel side)	1.3 - 1.8 / 1.3 - 1.8	
	Engagement cushion method	Flat Wave Springs	
Release bearing type & method lub.		Ball Bearing Sealed type	
Torsional damping method, springs,hysteresis		Rubbers	Coil Springs and Friction Washers

*Includes shift linkage,lubricant,and clutch housing. If other specify.

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Engine Description
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Automatic Transmission/Transaxle

Trade Name		NISSAN MATIC (RL4F03A)	NISSAN MATIC (RE4F03V)
Type and special features(describe)		Lock up torque converter with automatically operated planetary gear	
Shift mechanics			
Gear Selector	Location(column,floor,other)	Floor Mounted	
	Ltr./No. designation(e.g.PRND21)	P. R. N. D. 2. 1	
	Shift interlock (yes,no,describe)	YES	
Gear ratios	1st	2.861	
	2nd	1.562	
	3rd	1.000	
	4th	0.697	
	Reverse	2.310	
	Final drive ratio	3.827	
Max. upshift vehicle speed - drive range km/h(mph)		150 km/h	168 km/h
Max. upshift engine speed RPM		5700 rpm	6390 rpm
Max.kickdown speed - drive range km/h(mph)		153 km/h	164 km/h
Min.overdrive speed km.h(mph)		35 km/h	28 km/h
Torque converter	Type	with lock-up clutch	with lock-up clutch
	Torus design	Flat type	Flat type
	Number of elements	3	3
	Max. ratio at stall	2.6 : 1	2.0 : 1
	Type of cooling (air,liquid)	Liquid	Liquid
	Nominal diameter	236 mm	236 mm
	Capacity factor "K"		
Pump type		Trochoid type	
Lubricant	Capacity refill L (Pt.)	7	
	Type recommended	Dexron automatic transmission Fluid NISSAN Matic FLUID "D"	
Oil cooler (std.,opt., N.A.,internat,external,air,liquid)		Std.	
Transmission mass kg (lbs) & case material**		Aluminum Alloy 62	Aluminum Alloy 75
All Wheel / 4 Wheel Drive			
Description & type (part-time,full-time, 2/4 shift while moving,mechanical, elect., chain/gear,etc)			
Transfer case	Manufacturer and model		
	Type and location		
Low-range gear ratio			
System disconnect (describe)			
Center differential	Type (bevel,planetary,w or w/o viscous bias, torsen,etc.)		
	torque split (% front / rear)		

*Input speed + $\sqrt{\text{torque}}$

**Dry weight including torque converter. If other, specify.

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Engine Description
Engine Code

GA16DE		SR20DE	
M / T	A / T	M / T	A / T

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

Axle Ratio and Tooth Combinations			(See Power trains for axle ratio usage)			
Effective final drive ratio (or overall top gear ratio)			3.895	3.827	4.176	3.827
Transfer ratio and method (chain,gear, etc.)			N. A.			
Front drive unit	Ring gear o.d.		196.7	200.0	198.6	200.0
	No. of teeth	Pinion	19	21	17	21
		Ring gear	74	76	71	76

Front Drive Unit

Description (integral to trans.,etc.)		
Limited slip differential(type)		
Drive pinion	Type	
	Offset	
No. of differential pinions		
Pinion / differential	Adjustment(shim,etc.)	
	Bearing adjustment	
Driving wheel bearing (type)		
Lubricant	Capacity L(pt)	
	Type recommended	

Axle Shafts - Front Wheel Drive

Manufacturer and number used			2	2
Type(straight,solid bar,tubular,etc)		Left	Solid Bar	Solid Bar
		Right	Tubular	Solid Bar
Outer diam. X length* X wall thickness	Manual transaxle	Left	21 x 361	23 x 341
		Right	45 x 647 x 3.2	24 x 391
	Automatic transaxle	Left	21 x 361	23 x 341
		Right	45 x 647 x 3.2	24 x 391
	Optional transaxle	Left		
		Right		
Slip yoke	Type			
	Number of teeth			
	Spline o.d.			
Universal joints	Make and mfg. no	Inner	NISSAN	NTN
		Outer	NISSAN	NTN
	Number used		2 Inner & 2 Outer	2 Inner & 2 Outer
	Type, size,plunge	Inner	TS79C	DS86 (RH), TS86 (LH)
		Outer	ZF90	BF86
	Attach(u-bolt,clamp,etc)		Attached by Cir Clip	
	Bearing	Type (plain, anti-friction)		
		Lubrication (fitting,prepack)		
Drive taken through (torque tube, arms or springs)				
Torque taken through (torque tube, arms or springs)				

*Centerline to centerline of universal joints, or to centerline of attachment

MVMA Specifications

Vehicle Line **NISSAN SENTRA**

Model Year **'94** Issued **'93-9** Revised(-)

METRIC(U.S.Customary)

Engine Description

Engine Code

2 W D		
GA16DE		
MS	PS	SR20DE

Suspension - General Including Electronic Controls

Car leveling	Standard /optional/not avail		N. A.
	Manual/automatic control		N. A.
	Type (air/hydraulic)		N. A.
	Primary/assist spring		—
	Rear only/4 wheel leveling		—
	Single/dual rate spring		—
	Single/dual ride heights		—
	Provision for jacking		—
Shock absorber damping controls	Standard/option/not avail		—
	Manual/automatic control		—
	Number of damping rates		—
	Type of actuation(manual/ electric motor /air,etc)		—
	sensors	Lateral acceleration	—
		Deceleration	—
		Acceleration	—
		Road surface	—
Shock absorber (front & rear)	Type		Hydraulic
	Make		Atsugi, Kayaba, Tokico and Monroe
	Piston diameter		φ 25
	Rod diameter		φ 18

Suspension - Front

Type and description		Independent Strut Type		
Travel	Full jounce (define load condition)		75mm	
	Full rebound		85.5mm	
Spring	Type(coil,leaf,other & material)		Coil, Spring Steel	
	Insulators(type & material)		Rubber Seat	
	Size(Leaf length & width;Coil:design height & i.d; Bar:lenght & diameter)		*1 (Attachement)	
	Spring rate [N/mm(lb./in.)]		19.6 N/mm	21.6 N/mm
	Rate at wheel [N/mm(lb./in.)]		19.7 N/mm	21.4 N/mm
Stabilizer	Type(link,linkless,frameless)		N. A.	LINK
	Material & O.D.bar/tube,wall thickness		N. A.	Carbon Steel, φ 28.6 Carbon Steel, φ 28

Suspension - Rear

Type and description		Independent Strut Type		
Traavel	Full jounce (define load condition)		105mm	
	Full rebound		95mm	
Spring	Type (coil,leaf,other & material)		Coil, Spring Steel	
	Size (Leaf : lenght & width: Coil: design height & i.d.: Bar : length & diameter)		*2 (Attachement)	
	Spring rate [N/mm(lb./in.)]		19.6 N/mm	15.7N/mm 19.6 N/mm
	Rate at wheel [N/mm (lb./in.)]		19.7 N/mm	18.3 N/mm 22.2N/mm
	Insulators (type & material)		Rubber Seat	
	If leaf	No. of leaves	N. A.	
		Shackle(comp.or lens.)	N. A.	
Stabilizer	Type (link,linkless,frameless)		N. A.	LINK
	Material & O.D.bar/tube,wall thickness		N. A.	Carbon Steel, φ 10 Carbon Steel, φ 15
Track bar(Type)		N. A.		

Vehicle Line NISSAN SENTRA
 Model Year '94 Issued '93-9 Revised()

*1

G A 1 6 D E			SR20DE	
E 5M/T	GXE 5M/T SE 5M/T XE 5M/T E 4A/T	GXE 4A/T SE 4A/T XE 4A/T	5M/T	4A/T
365 × 130	375 × 130	385 × 130	360 × 130	370 × 130

*2

G A 1 6 D E			SR20DE
E (MS)	E (PS) XE, SE	GXE	
321 × 130	341 × 130	351 × 130	318.5 × 130

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line **NISSAN SENTRA**

Model Year **'94** Issued **'93 - 9** Revised()

Model Code/Description And/Or
Engine Code/Description

GA16DE		SR20DE
E	XE, SE, GXE	

Brakes - Service

Description			() : With ABS		
Manufacturer and brake type(std., opt., n.a.)		Front (disc or drum)	Disc : Std.		Disc : Std
		Rear (disc or drum)	Drum : Std.	Disc : opt	Disc : Std
Valving type (proportion, delay, metering, other)			Front : Std. Rear : Std		
Power brake (std., opt., n.a.)			Std.		
Booster type (remote, integral, vac., hyd., etc)			Integral		
Vacuum	Source(inline, pump, etc)		Inline		
	Reservoir(volume in ³)		110.3 (147.1)	147.1	147.1
	Pump-type (elec, gear driven, belt driven)		N. A.		
Traction assist	Operational speed range				
	Type(engine or brake intervention)				
Anti-lock device	Front / rear (std., opt., n.a.)		(OPT)		
	Manufacturer		(NIPPON ABS. LTD.)		
	Type (electronic, mech.)		(Electronic)		
	Number sensors or circuits		(4 Sensor)		
	Number anti-lock hydraulic circuits		(2 chnnel)		
	Integral or add - on system		(Add - on System)		
	Yaw control (yes, no)		(No)		
Hydraulic power source (elec., vac. mtr., pwr. stg.)		(Electronic)			
Effective area cm ² (in. ²)*			160/204 (100)		152/100
Gross Lining area cm ² (in. ²)**(F/R)			160/204 (100)		152/100
Swept area cm ² (in. ²)*** (F/R)			1054/339 (740)		1098/740
Rotor	Outer working diameter	F / R	238/N.A. (232)		248/232
	Inner working diameter	F / R	152/N.A.(174)		163/174
	Thickness	F / R	18/N.A.(7)		18/7
	Material & type (vented/solid)	F / R	Cast Iron vented / N.A.(cast iron solid)		CAstiron vented / (cast iron solid)
Drum	Diameter & width	F / R	N. A./180(N. A.)		N. A./N. A.
	Type and material	F / R	N. A./Cast iron (N. A.)		N. A./N. A.
Wheel cylinder bore			48.1/15.8 (30.1)		48.1/30.1
Master sylander	Bore/stroke	F / R	19.0 (22.2)	20.6(22.2)	22.2
Pedal arc ratio			3.8		
Line pressure at 445 N(100 lb.) pedal load [kPa(pai)]			10725	11701	12727
Lining clearance			F / R NoMAJOR ADJUSTMENT REQUIRED/0.3-0.5(PRI+SEC) (No MAJOR ADJUSTMENT REQUIRED)		
Brake lining	Front wheel	Bonded or riveted(rivets/ seg.)	BONDED		BONDED
		Rivet size	N. A.		N. A.
		Manufacturer	HITACHI / NBK		HITACHI
		Lining code*****	HITACHI HP12H FE / NBK NP57H FF		HITACHI HP12FE
		Material	MOLDED SEMI METALIC / NON ASBESTOS		MOLDED SEMI METALIC
		**** Primary or out - board	106×43×10		97.5×42.5×10
		Size Secondary or in-board	106×43×10		97.5×42.5×10
		Shoe thickness (no lining)	6.0		6.0
	Rear wheel	Bonded or riveted (rivets/seg)	BONDED		BONDED
		Manufacturer	AKEBONO		AKEBONO
		Lining code*****	AKEBONO A901 EF(AKEBONO AP52 FF)		AKEBONO AP52 FF
		Material	MOLDED NON ASBESTOS		MOLDED NON ASBESTOS
		**** Primary or out-board	172.8×30×4.0(94×29×10)		94×29×10
		Size Secondary or in-board	172.8×30×4.0(94×29×10)		94×29×10
		Shoe thickness (no lining)	1.6 (6.0)		6.0

* Excludes rivet holes, grooves, chamfers, etc.

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake : Widest lining contact width for each brake x its contact circumference.)

(Disc brake : Square of Outer Working Dia. minus Square of inner Woring Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

METRIC(U.S.Customary)

Model Code/Description And/Or
Engine Code/Description

Vehicle Line **NISSAN SENTRA**

Model Year **'94**

Issued **'93 - 9**

Revised(-)

GA16DE		SR20DE
E	XE, SE, GXE	SE - R

Tires And Wheels (Standard)

Tires	Size(Service description)		P155/80R13 78S(B)	P175/70R13 82S(B)	P185/60R14 82H(B)
	Type(bias,radial,steel,nylon,etc)		RADIAL		
	Inflation pressure(cold)for recommended max.vehicle load	Front kPa (psi)	230 (33)	220 (32)	230(33)
		Rear kPa (psi)	200 (29)	200 (29)	200(29)
	Rev./mile-at 70km/h(45 mph)		921	925	921
Wheels	Type & material		DISC STAMPED STEEL		
	Rim (size & flange type)		13X5J		14X5 1/2JJ
	Wheel offset		40		45
	Attachment	Type (bolt or stud & nut)	Stud		
		Circle diameter	100		
		Number & size	M 12X1.25 4Hex Nuts		
Spare	Tire and wheel		T115 / 70D14 14X4T		T135/70D15 15X4T
	Storage position & location (describe)				

Tires And Wheels (Optional)

Tires And Wheels (Optional)			
Tire size (service description)	P175/70R13 82S (B)	N. A.	
Type(bias,radial,steel,nylon,etc)	RADIAL	N. A.	
Wheel(type & material)	N. A.	Aluminum Casting	
Rim (size,flange type and offset)	N. A.	13X5J	14X5 1/2JJ
Tire size (service description)			
Type(bias,radial,steel,nylon,etc)			
Wheel(type & material)			
Rim (size,flange type and offset)			
Tire size (service description)			
Type (bias,radial,steel,nylon,etc)			
Wheel(type & material)			
Rim (size,flange type and offset)			
Tire size (service description)			
Type(bias,radial,steel,nylon,etc)			
Wheel (type & material)			
Rim(size,flange type and offset)			
Spare tire and wheel size (If configuration is different than road tire or wheel, describe optional spare tire and / or wheel location & storage position)			

Brakes - Parking

Type of control		Center Lever Hand Operated
Location of control		Between Front Seats
Operates on		Rear Wheels
If separate from service brakes	Type(internal or external)	N. A.
	Drum diameter	N. A.
	Lining size (length x width x thickness)	N. A.

MVMA Specifications

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

METRIC(U.S.Customary)

Model Code/Description And/Or
Engine Code/Description

GA16DE E

GA16DE XE / SE / GXE, SR20DE

Steering

Manual (std., opt., n.a.)			Std.	N. A.
Power(std.,opt.,n.a.)			Opt.	Std.
Speed-sensitive(std.,opt.,n.a.)				
4-wheel steering(std.,opt.,n.a.)				
Adjustable steering wheel/column (tilt,telescope,other)	Type	Tilt		
	Manufacturer (std.,opt.,n.a.)	NASTECH		
		Std. GRADE E : Opt.		
Wheel diameter** (W9) SAE J1100	Manual	φ 380		
	Power	φ 380 (4 spokes) φ 370 (3 spokes)		
Turning diameter m (ft.)	Outside front	Wall to wall(l. & r.)		
		Curb to curb(l. & r.)	4.6 *1	5.2 *2
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb(l. & r.)		
Scrub Radius*			-2.8 (*2)	2.2 (*1)
Manual	Gear	Type	Rack & Pinion	
		Manufacturer	N. S. k	
		Ratios	Gear	∞
		Overall	22.7	
	No. wheel turns(stop to stop)		MS : 4.21	
Power	Type (coaxial,elec.,hyd.,etc)		Integral Gear & Power Piston with Vane Type Pump	
	Manufacturer		TRW	GA16DE : TRW SR20DE : UNISIA
	Gear	Type	Rack & Pinion	
		Ratios	Gear	∞
		Overall	16.5	
	Pump(drive)		Belt from Crank-Shaft Pulley	
	No.wheel turns (stop to stop)		PS : 3.07 *1 2.74 *2	
Linkage	Type		Parallelogram	
	Location (front or rear of wheels,other)		Rear	
	Tie rods (one or two)		2	
Steering axis	Inclination at camber(deg.)			
	Bearings (type)	Upper		
		Lower		
		Thrust		
Steering spindle / knuckle & joint type				

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

** See Page 23.

*1 : 155SR13, 175 / 70R13
*2 : 185 / 60R14

MVMA Specifications

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

METRIC(U.S.Customary)

Model Code/Description And/Or
Engine Code/Description

Except E

E only

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1° 25'±45'
		Camber(deg.)	-0° 15'±45'
		Toe-in outside track-mm(in.)	2.0±2 (mm)
	Service reset*	Caster (deg.)	1° 25'±45'
		Camber(deg.)	-0° 15'±45'
		Toe-in-mm(in.)	2.0±1 (mm)
	Periodic M.V. in-spection	Caster (deg.)	1° 25'±45'
		Camber(deg.)	-0° 15'±45'
		Toe-in-mm(in.)	2.0±2 (mm)
Rear wheel at curb mass (wt.)	Service checking	Camber(deg.)	-0° 55'
		Toe-in outside track-mm (in.)	1.0±2 (mm)
	Service reset*	Camber(deg.)	-0° 55'
		Toe-in-mm(in.)	1.0±2 (mm)
	Periodic M.V.in-spection	Camber(deg.)	-0° 55'
		Toe-in-mm(in.)	1.0±2 (mm)

*Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

Speed-ometer	Type(analog,digital,std.,opt)	Dial with Pointer
	Trip odometer (std.,opt.,n.a.)	Std.
Head-up display	standard,optional, not available	Not available
	Type	Secondary,opto-electronic
	Speedometer	Digital
	Status / warning indications	Turn signals, high beam, low fuel, check gauges
	Brightness control	Day / night mode, adjustable
		N. A.
EGR maintenance indicator		None
Charge indicator	Type	Warning Light
	Warning device (light,audible)	Light
Temperature indicator	Type	Electric Gauge
	Warning device (light,audible)	None
Oil pressure indicator	Type	Warning Light
	Warning device (light,audible)	Light
Fuel indicator	Type	Electric Gauge, Warning Light
	Warning device (light,audible)	Light
Wind-shield wiper	Type(standard)	Electric 2 Speed Inter Mittent
	Type(optional)	NONE
	Blade length	500 mm (LH) 475 mm (RH)
	Swept area cm ² (in. ²)	6260 cm ²
Wind-shield washer	Type (standard)	ELECTRIC
	Type(optional)	N. A.
	Fluid level indicator (light, audible)	Level Gauge
Rear window wiper, wiper/washer (std., opt., n.a.)		NONE
Horn	Type	Vibrator
	Number used	1
Other		

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

Engine Code/Description

GA16DE

SR20DE

Electrical - Supply System

Battery	Manufacturer	SHIN-KOBE, YUASA, MATSUSHITA, GS, FURUKAWA		
	Model, std., (opt)	55D23L (GASTD) 65D26L (GA CAN STD) 80D26L (SR : CAN STD + COLD Opt.)		
	Voltage	12 V		
	Amps at 0° F cold crank	356 (55D23L)	413 (65D26L)	582 (80D26L)
	Minutes-reserve capacity	99 (55D23L)	113 (65D26L)	133 (80D26L)
	Amps/hrs., -20 hr.rate	60 (55D23L)	65 (65D26L)	68 (80D26L)
	Location	Engine Room Compartment		
Alternator	Manufacturer	HITACHI, MITSUBISHI		
	Rating (idle/max,rpm)	70 A		80 A
	Ratio (alt. crank/rev)	2.42		2.21
	Output at idle (rpm,park)	30 A		50 A
	Optional (type & rating)	N. A.		
Regulator	Type	IC Regulator		

Electrical - Starting System

Electrical - Starting System			
Motor	Manufacturer	HITACHI, MITSUBISHI	MITSUBISHI
	Current drain _____ °C (° F)	N. A.	
	Power rating kw (hp)	0.8 kw (CAL 2WD M/T) 1.2 kw (others)	1.4 kw
Motor drive	Engagement type	Solenoid	
	Pinion engages from (front,rear)	M/T : Rear A/T : Front	Rear

Electrical - Ignition System

Electrical Ignition System				
Type	Electronic (std.,opt.,n.a.)		Std.	
	Other (specify)		N. A.	
Coil	Manufacturer		HANSHIN	HANSHIN / MITSUBISHI
	Model		SMC-1200	SMC-200 / F097
	Current	Engine stopped - A	0 A	
		Engine Idling - A	0.4 A	
Spark Plug	Manufacturer		NGK	
	Model		BKR5E-11	PER6B-11
	Thread (mm)		14 mm	19 mm
	Tightening torque N - m (lb.ft)		20 - 29 N.m	19.6 - 29.4 N.m
	Gap		1.0 - 1.1 mm	1.1 mm
	Number per cylinder		1	
Distributor	manufacturer		HITACHI / MITSUBISHI	
	Model		D4P86-05 / T4T74271	D4P88-03 / T2T42171

Electrical - Suppression

Locations & type	Resistance Type Spark Plugs
------------------	-----------------------------

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised(-)

Model Code/Description

Body

Structure	Monocoque Body
Bumper system front - rear	Polypropylene
Anti-corrosion treatment	Surface Treatment Steel Seat Anti Corrosion Sealant Anti Corrosion Wax

Body- Miscellaneous Information

Type of finish (lacquer, enamel, other)		
Hood	Material & mass	Steel 14.2 kg
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal
Trunk lid	Material & mass	Steel
	Type (counterbalance, other)	Torsion
	Internal release control (elec., mech., n.a.)	Mech
Hatch-back lid	Material & mass	None
	Type (counterbalance, other)	None
	Internal release control (elec., mech., n.a.)	None
Tailgate	Material & mass	None
	Type (drop, lift, door)	None
	Internal release control (elec., mech., n.a.)	None
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Window regulator type (cable, tape, flex drive, etc)	Front	Cable
	Rear	Cable
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc)	Front	Urethane foam
	Rear	Urethane foam
	3rd seat	N. A.
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc)	Front	Spring + Urethane foam
	Rear	Urethane foam
	3rd seat	N. A.

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised(-)

Model Code/Description

WITH A / B					
2SED	4SED	2SED	4SED	2SED	4SED

Restraint System

Seating Position			Left	Center	Right
Active	Type & description	First seat	None	None	None
	(lap & shoulder belt lap belt,etc.)	Second seat	Std. 3 Point with (ELR) Retractor	Std. 2 Point	Std. 3 Point with (ELR) Retractor
	Standard / optional	Third seat	None	None	None
	Type & description	First seat	*1	None	3 point fixed belt
Passive	(air bag,motorized-2-point belt, fixed belt, knee bolster,manual-lap belt)	Second seat	*2	None	motorized 2 point belt manual lap belt knee bolster
	Standard / optional	Third seat	None	None	None

Glass

	SAE Ref.No.	
Windshield glass exposed surface area cm ² (in ²)	S1	9390
Side glass exposed surface area cm ² (in ²)-total 2-sides	S2	
Backlight glass exposed surface area cm ² (in ²)	S3	7250
Total glass exposed surface area cm ² (in ²)	S4	
Windshield glass(type/thickness)		Curved Laminated Plate
Side glass (type/thickness)		Curved Tempered Plate
Backlight glass (type/thickness)		Curved Tempered Plate
Tinted(yes/no,location)		None
Solar control(yes / no, coated/batched,location)		None

Headlamps

Description(sealed beam, halogen,replaceable bulb,etc)	halogen & replaceable bulb
Shape	styled type
Lo-beam type(2A1,2B1, 2C1,etc)	—
Quantity	2
Hi-beam type(1A1,2A1,1C1, 2C1,etc)	—
Quantity	2

*1 Std. SRS-Supplemental restraint system (Air Bag) .
kness Bolster

*2 motorized 2 point belt manual lap belt, knee
bolster

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

Model Code/Description

NO A/B					
2SED	4SED	2SED	4SED	2SED	4SED

Restraint System

Seating Position			Left		Center	Right	
Active	Type & description	First seat	None		None	None	
	(lap & shoulder belt lap belt, etc.)	Second seat	Std. 3 Point with (ELR) Retractor		Std. 2 Point	Std. 3 Point with (ELR) Retractor	
		Third seat	None		None	None	
	Standard / optional						
Passive	Type & description	First seat	3 point fixed belt	motorized 2 point belt manual lap belt, knee bolster	None	3 point fixed belt	motorized 2 point belt manual lap belt, (ELR) knee bolster
	(air bag, motorized-2-point belt, fixed belt, knee bolster, manual lap belt)	Second seat	None		None	None	
		Third seat	None		None	None	
	Standard / optional						

Glass	SAE Ref.No.	
Windshield glass exposed surface area cm ² (in ²)	S1	9390
Side glass exposed surface area cm ² (in ²) -total 2-sides	S2	
Backlight glass exposed surface area cm ² (in ²)	S3	7250
Total glass exposed surface area cm ² (in ²)	S4	
Windshield glass(type/thickness)		Curved Laminated Plate
Side glass (type/thickness)		Curved Tempered Plate
Backlight glass (type/thickness)		Curved Tempered Plate
Tinted(yes/no,location)		None
Solar control(yes / no, coated/batched,location)		None

Headlamps

Description(sealed beam, halogen, replaceable bulb, etc)	halogen & replaceable bulb
Shape	styled type
Lo-beam type(2A1, 2B1, 2C1, etc)	—
Quantity	2
Hi-beam type(1A1, 2A1, 1C1, 2C1, etc)	—
Quantity	2

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

Engine Code/Description

SR20DE

GA16DE

Cilmate Control System

Air conditioning (std.,opt.,man.,auto)		OPT
		MANUAL
Condenser	Type	SERPENTINE
	Eff. face area (sq. mm.)	206720
	Fins per inch	12
Evaporator	Type	DRAWN CUP
	Eff. face area (sq. mm.)	52640
	Fins per inch	12.7
Heater core	Material	ALUMINUM
	Eff. face area (sq. mm.)	29412
	Fins per inch	28.2
Compressor	Type	VANE ROTARY
	Displacement(cc.)	140
	Manufacturer	CALSONIC
	A/C pulley ratio	1.084 : 1
Accumulator	Type	0.92 : 1
	Height (mm.)	
	Diameter(mm.)	
Receiver	Type	CONICAL BOTTOM
	Height (mm.)	162
	Diameter(mm.)	60.5
Refrigerant control (CCOT,TVS,etc)		CCEV (TXV)
Heater water valve(yes/no)		YES
Refrigerant (R - 12, R-134a,etc)		HFC 134a
Charge level (lbs.-oz)		1.3 - 1.5
Cold engine lockout switch (yes / no)		
Wide open throttle cutout switch (yes / no)		

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line **NISSAN SENTRA**

Model Year **'94** Issued **'93 - 9** Revised(-)

Model Code/Description

Convenience Equipment (standard,optional,n.a.)

	Clock (digital,analog)	digital
	Compass / thermometer	None
	Console (floor,overhead)	—
	Defroster, electric windshield	
	Defroster,electric. backlight	
Electronic	Diagnostic monitor (integrated,individual)	None
	Instrument cluster (list instruments)	—
	Keyless entry	None
	Tripminder (avg.spd.,fuel)	None
	Voice alert (list items)	None
	Other	
	Fuel door lock (remote,key,electric)	Remote (Std. except for E, Opt. for E)
Lamps	Auto head on / off delay,dimming	None
	Cornering	None
	Courtesy (map,reading)	None
	Door lock,ignition	
	Engine compartment	
	Fog	Std. (SE, SE - R)
	Glove compartment	
	Trunk	Std. (XE, SE, SER, GXE) None (E)
	Illuminated entry system (list lamps,activation)	
	Other	High Mount Stop Lamp (Std.)
Mirrors	Day / night (auto.man.)	Manual
	L.H.(remote,power,heated)	E : Manual, XE, SE : Manual (Std.) Power (Opt), GXE : Power
	R.H.(convex,remote,power,heated)	Convex E : N.A , XE, SE : Manual (Std.) Power (Opt), GXE : Power
	Visor vanity (RH / LH,illuminated)	
	Navigation system(describe)	None
	Parking brake-auto release (warning light)	

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Model Code/Description

Convenience Equipment (standard,optional,n.a.)

Power equipment	Deck lid(release,pull down)		
	Door locks (manual,automatic, describe system)		GXE GRADE : STD (Automatic) OTHER : STD (Manual)
	Seats	2 - 4 - 6 way,etc.	None
		Reclining (R.H.,L.H.)	None
		Memory (R.H.,L.H.,preset recline)	None
		Support(lumbar,hip,thigh,etc)	None
		Heated (R.H.,L.H.,other)	None
	Side windows		Std. (Power Window) GXE
	Vent windows		None
	Rear windows		None
Radio systems	Antenna(location,whip,w /shield,power)		Front Fender Whip (OPT : + Rear Glass)
	Standard	AM,FM,stereo,tape, compact disc,graphic equalizer, theft deterrent,radio prep package, headphone jacks,etc.	None
	Optional		AM AM/FM MPX AM/FM MPX with Cassette
	Speaker (number,location)		Std : None, Opt : 4 speakers (Front : Door, Rear : RR Parcel Shelf) 1 speaker (Door)
	Roof : open air or fixed(flip-up,sliding,"T")		Opt. (Sliding)
Speed control device		Opt.	
Speed warning device(light,buzzer,etc)		None	
Tachometer(rpm)		8000 rpm (GA16DE) , 9000 rpm (SR20DE)	
Telephone system (describe)		None	
Theft deterrent system		Steering Lock	

Trailer Towing

Towing capable	Yes / No
Engine / transmission / axle	Std / Opt
Tow class (I,II,III)*	Std / Opt
Max.gross trailer wgt.(lbs.)	Std / Opt
Max.trailer tongue load(lbs.)	Std / Opt
Towing package available	Yes / No

*Class I - 2,000 lbs

Class II - 3,500lbs

Class III - 5,000 lbs

MVMA Specifications

Vehicle Line **NISSAN SENTRA**

Model Year **'94** Issued **'93 - 9** Revised(-)

METRIC(U.S.Customary)

Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line. SAE Ref. no.refers to the definition published in SAE Recommended Practice J1100"Motor Vehicle Dimensions,"unless otherwise specified.

Model Code/Description

SAE
Ref.
No.

GA16DE

SR20DE

Width

Tread(front)	W101	1445	1435
Tread (rear)	W102	1420	1410
Vehicle width	W103	1670	
Body width at Sq RP (front)	W117	1665	
Vehicle width (front doors open)	W120	3415	
Vehicle width (rear doors open)	W121	3250	
Tumble-home (degrees)	W122	250	
Outside mirror width	W410	1850	

Length

Wheelbase	L101	2430
Vehicle length	L103	4326
Overhang(front)	L104	876.7
Overhang(rear)	L105	1019.7
Upper structure length	L123	2587
Rear wheel C/L "X"coordinate	L127	2430

Height*

Passenger distribution(front/rear)	PD1,2,3	2 / 3
Trunk / cargo load		34 kg
Vehicle height	H101	1345 (C. W. 1373.7)
Cowl point to ground	H114	888
Deck point to ground	H138	928
Rocker panel-front to ground	H112	199.6
Rocker panel-rear to ground	H111	197.4
Windshield slope angle(degrees)	H122	
Backlight slope angle (degrees)	H121	

Ground Clearance*

Front bumper to ground	H102	230
Rear bumper to ground	H104	269
Bumper to ground front at curb mass(wt.)	H103	251
Bumper to ground rear at curb mass(wt.)	H105	303
Angle of approach(degrees)	H106	18.96°
Angle of departure (degrees)	H107	14.06°
Ramp breakover angle(degrees)	H147	13.34°
Axle differential to ground (front/rear)	H153	141.5
Min.running ground clearance	H156	135.5
Location of min.run.grd.clear.		CAT

*All vehicl height and ground clearances are measured at the Manufacturer's Design Load Weight.
Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load,unless otherwise specified.
All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

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Vehicle Dimensions See Key Sheets for definitions

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

Model Code/Description

	SAE Ref. No.	
Front Compartment		
SgRP front,"X" coordinate	L31	1344
Effective head room	H61	977.0
Max. eff leg room(accelerator)	L34	1060.5
SgRP to heel point	H30	246.3
SgRP to heel point	L53	839.4
Back angle(degrees)	L40	25°
Hip angle(degrees)	L42	95.08°
Knee angle(degrees)	L44	123.63°
Foot angle (degrees)	L46	88.61°
Design H-point front travel	L17	213.9
Normal driving & riding seat track trvl.	L23	213.9
Shoulder room	W3	1336.0
Hip room	W5	1270.2
Upper body opening to ground	H50	1237.2
Steering wheel maximum diameter*	W9	438.0
Steering wheel angle(degrees)	H18	24°
Accel. heel pt. to steer.whl.cnt	L11	425.0
Accel. heel pt. to steer.whl.cnt	H17	620.1
Undepressed floor covering thickness	H67	20.0

Rear Compartment

SgRP point couple distance	L50	685.9
Effective head room	H63	927.1
Min.effective leg room	L51	796.9
SgRP (second to heel)	H31	303.0
Knee clearance	L48	0
Shoulder room	W4	133.5
Hip room	W8	1345
Upper body opening to ground	H51	1243.5
Back angle (degrees)	L41	25°
Hip angle (degrees)	L43	85.9°
Knee angle(degrees)	L45	85.99°
Foot angle (degrees)	L47	115.08°
Depressed floor covering thickness	H73	14

Luggage Compartment

Usable luggage capacity L (cu. ft)	V1	338 (11,743 cu.ft.)
Liftover height	H195	892

Interior Volumes(EPA Classification)

Vehicle class	Sub Compact
Interior volume index including trunk/cargo(cu.ft)**	95.5
Trunk/cargo index(cu.ft.)	11.7

*See page 14

**See definition page 33

All linear dimensions are in millimeters(inches)unless otherwise noted.

MVMA Specifications

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Vehicle Dimensions See Key Sheets for definitions

Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised()

Model Code/Description

Station Wagon / MPV* —Third Seat	SEA Ref. NO.	
Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle(degrees)	L88	
Hip angle (degrees)	L89	
Knee angle (degrees)	L90	
Foot angle (degrees)	L91	

Station Wagon / MPV* - Cargo Space

Cargo length (open front)	L200	N. A.
Cargo length (open second)	L201	N. A.
Cargo length (closed front)	L202	N. A.
Cargo length (closed second)	L203	N. A.
Cargo length at belt (front)	L204	N. A.
Cargo length at belt (second)	L205	N. A.
Cargo width (wheelhouse)	W201	N. A.
Rear opening width at floor	W203	N. A.
Opening width at belt	W204	N. A.
Min.rear opening width above belt	W205	N. A.
Cargo height	H201	N. A.
Rear opening height	H202	N. A.
Tailgate to ground height	H250	N. A.
Front seat back to load floor height	H197	N. A.
Cargo volume index m ³ (ft. ³)	V2	N. A.
Hidden cargo volume index m ³ (ft. ³)	V4	N. A.
Cargo volume index-rear of 2-seat	V10	N. A.
Cargo volume index*	V6	N. A.
Cargo width at floor*	W500	N. A.
Maximum cargo height*	H505	N. A.

Hatchback - Cargo Space

Cargo length at front seatback height	L208	N. A.
Cargo length at floor(front)	L209	N. A.
Cargo length at second seatback height	L210	N. A.
Cargo length at floor (second)	L211	N. A.
Front seatback to load floor height	H197	N. A.
Second seatback to load floor height	H198	N. A.
Cargo volume index m ³ (ft. ³)	V3	N. A.
Hidden cargo volume index m ³ (ft. ³)	V4	N. A.
Cargo volume index - rear of 2-seat	V11	N. A.

All linear dimensions are in millimeters (inches)unless otherwise noted.

*MPV- Multipurpose Vehicle

MVMA Specifications
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Vehicle Line NISSAN SENTRA
Model Year '94 Issued '93 - 9 Revised()

Model Code/
Description

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location	
Front(1)		The Locating Hole (ϕ 16) on the 1st Cross Member.	
Front(2)			
Rear(1)		The Locating Hole (ϕ 16) on the Extension Rear Side Member.	
Rear(2)			
Note: Provide 3 of 4 Fiducial Mark Locations			
Front	W21**	0	
	L54**	— 640	
	H81**	24.8	
	H161**		
	H163**		
		RH	LH
Rear	W22**	— 539	470
	L55**	2911	2911
	H82**	136.6	136.6
	H162**		
	H164**		

*Reference-SEA Recommended Practice,J182a,Motor Vehicle Fiducial Marks.
**Reference - SEA Recommended Practice J1100-Motor Vehicle Dimensions.
All linear dimensions are in millimeters (inches)unless otherwise noted.

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Vehicle Line NISSAN SENTRA

Model Year '94 Issued '93 - 9 Revised(-)

[illegible]

*Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

****ETWC - Equivalent Test Weight Class - basis for U.S.Environmental Protection Agency emission certifications.**

Refer to ETWC code legend below for test weight calss.

ETWC LEGEND

A	= 1000	I	= 2000	Q	= 3000	Y	= 4000
B	= 1125	J	= 2125	R	= 3125	Z	= 4250
C	= 1250	K	= 2250	S	= 3250	AA	= 4500
D	= 1375	L	= 2375	T	= 3375	BB	= 4750
E	= 1500	M	= 2500	U	= 3500	CC	= 5000
F	= 1625	N	= 2625	V	= 3625	DD	= 5250
G	= 1750	O	= 2750	W	= 3750	EE	= 5500
H	= 1875	P	= 2875	X	= 3875	FF	= 5750

***Shipping Mass (weight) = Curb Weight Less:

METRIC(U.S.Customary)

Model Year '94 Issued '93 - 9 Revised(-) _____

[illegible]

*Also see Engine - General Section for dressed engine mass (weight)