

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S. Customary)

Passenger Car

1987

Manufacturer NISSAN MOTOR CO., LTD.	Car Line NISSAN SENTRA	
Mailing Address 560-2, OKATSUKOKU, ATSUGI-SHI, KANAGAWA, 243-01, JAPAN	Issued '86-9	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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

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Motor Vehicle Manufacturers Association
of the United States, Inc.

MVMA Specifications Form Passenger Car .

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 completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car
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Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Car Models

Model Description & Drive (FWD/RWD)		Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)		No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
Non-California Model	2 Door Sedan	E16S	STD/E	PLB12RSFU	5 (2/3)	34 kg (75 lb)
			E	PLB12RSAU		
			XE	PLB12RFU		
			XE	PLB12RAU		
	4 Door Sedan	E16S	E	PLB12SFU		
			E	PLB12SAU		
			XE	PLB12FU		
			XE	PLB12AU		
			GXE	PLB12HFU		
			GXE	PLB12HAU		
	3 Door HATCH BACK	E16S	E	RPLB12SFU	4 (2/2)	34 kg (75 lb)
			E	RPLB12SAU		
			XE	RPLB12FU		
			XE	RPLB12AU		
	Coupe	E16I	XE	KPLB12FIU		
			XE	KPLB12AIU		
			SE	KPLB12XFIU		
			SE	KPLB12XAIU		
	Wagon	E16S	XE	WPLB12FU	5 (2/3)	34 kg (75 lb)
			XE	WPLB12AU		
			GXE	WPLB12HFU		
			GXE	WPLB12HAU		
	Wagon 4WD	E16I	XE	WPLNB12FIU	-	

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California Model	2 Door Sedan	E16S	STD/E	PLB12RSFV	5 (2/3)	34 kg (75 lb)
			E	PLB12RSAV		
			XE	PLB12RFV		
			XE	PLB12RAV		
	4 Door Sedan	E16S	E	PLB12SFV		
			E	PLB12SAV		
			XE	PLB12FV		
			XE	PLB12AV		
			GXE	PLB12HFV		
			GXE	PLB12HAV		
	3 Door HATCH BACK	E16S	E	RPLB12SFV		
			E	RPLB12SAV		
			XE	RPLB12FV		
			XE	RPLB12AV		
	Coupe	E16I	XE	KPLB12FIV	4 (2/2)	
			XE	KPLB12AIV		
			SE	KPLB12XFIV		
			SE	KPLB12XAIV		
	Wagon	E16S	XE	WPLB12FV	5 (2/3)	
			XE	WPLB12AV		
			GXE	WPLB12HFV		
			GXE	WPLB12HAV		
	Wagon 4WD	E16I	XE	WPLNB12FIV		

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Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25° C and 29.91 in. Hg/100 kPa atmospheric pressure.

SERIES AVAILABILITY	ENGINE					E x h a u s t S O	TRANSMISSION/ TRANSAXLE	AXLE RATIO (std. first)																						
	Displ. Liters (in ³)	Cyls. (Bore x Stk. etc.)	Compr. Ratio	SAE Net at RPM																										
				Power kW (bhp)	Torque N • m (lb. ft.)																									
PLB12RSFU	1.597	Single 2-Barrel	9.4	51.5	124	S	RS5F31A	3.895																						
PLB12RSAU							RL3F01A	3.600																						
PLB12RFU							RS5F31A	3.895																						
PLB12RAU							RL3F01A	3.600																						
PLB12SFU							RS5F31A	3.895																						
PLB12SAU							RL3F01A	3.600																						
PLB12FU							RS5F31A	3.895																						
PLB12AU							RL3F01A	3.600																						
PLB12HFU							RS5F31A	3.895																						
PLB12HAU							RL3F01A	3.600																						
RPLB12SEU							RS5F31A	3.895																						
RPLB12SAU							RL3F01A	3.600																						
RPLB12FEU							RS5F31A	3.895																						
RPLB12FAU							RL3F01A	3.600																						
WPLB12FEU							RS5F31A	3.895																						
WPLB12FAU							RL3F01A	3.600																						
WPLB12HFU							RS5F31A	3.895																						
WPLB12HAU							RL3F01A	3.600																						
PLB12RSFV							2-Barrel	2-Barrel	9.4	51.5	124	S	RS5F31A	3.895																
PLB12RSAV													RL3F01A	3.600																
PLB12RFV													RS5F31A	3.895																
PLB12RAV													RL3F01A	3.600																
PLB12SFV													RS5F31A	3.895																
PLB12SAV													RL3F01A	3.600																
PLB12FV													RS5F31A	3.895																
PLB12AV													RL3F01A	3.600																
PLB12HFV													RS5F31A	3.895																
PLB12HAV													RL3F01A	3.600																
RPLB12SEV													2-Barrel	2-Barrel	9.4	51.5	124	S	RS5F31A	3.895										
RPLB12SAV																			RL3F01A	3.600										
RPLB12FV																			RS5F31A	3.895										
RPLB12AV																			RL3F01A	3.600										
WPLB12FEV																			RS5F31A	3.895										
WPLB12FAV																			RL3F01A	3.600										
WPLB12HFV																			RS5F31A	3.895										
WPLB12HAV																			RL3F01A	3.600										
KPLB12FIU		N.A.			N.A.														9.4	51.5	124	S	RS5F31A	4.167						
KPLB12AIU																							RL3F01A	3.600						
KPLB12XFIU																							RS5F31A	4.167						
KPLB12XAIU																							RL3F01A	3.600						
KPLB12FIV																							RS5F31A	4.167						
KPLB12AIV																							RL3F01A	3.600						
KPLB12XFIV																							RS5F31A	4.167						
KPLB12XAIV																							RL3F01A	3.600						
WPLNB12FIU																							N.A.	N.A.	9.4	51.5	124	S	RS5F31A	4.471
WPLNB12FIV																													RS5F31A	4.471

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Engine Description/Carb.
 Engine Code

All Models

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, side, etc., crw, hawt, wedge, pre-camber, etc.)	Inline Front Transverse
Manufacturer	AICHI
No. of cylinders	4
Bore	76
Stroke	88
Bore spacing (C/L to C/L)	82.5 (No. 1 - No. 2, No. 3 - No. 4)
Cylinder block material & mass kg (lbs.) (mechanical)	Cast Iron 28.5 kg
Cylinder block deck height	214
Cylinder block length	372
Deck clearance (minimum) (above or below block)	0
Cylinder head material & mass kg (lbs.)	Aluminum Alloy 5.5 kg
Cylinder head volume (cm ³)	25.4
Cylinder liner material	Cast Iron
Head gasket thickness (compressed)	1.0 mm
Minimum combustion chamber total volume (cm ³)	47.6
Cyl. no. system (front to rear)*	L. Bank R. Bank
Firing order	1 - 3 - 4 - 2
Intake manifold material & mass kg (lbs.)**	Aluminum Alloy 2.2 kg
Exhaust manifold material & mass kg (lbs.)**	Cast Iron 4.3 kg
Recommended fuel (leaded, unleaded, diesel)	Unleaded
Fuel anti-knock index (R + M) 2	No less than 87
Total dressed engine mass (wt dry)***	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy 0.24 kg
--	------------------------

Engine - Camshaft

Location	Cylinder Head
Material & mass kg (weight, lbs.)	Cast Iron 2.2 kg
Drive type	Chain / belt
	Witch / pitch
	19/9.525

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

** Finished state.

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

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All Models

Engine - Valve System

Hydraulic flare (std., opt., NA)	N.A.
Valves	Number intake / exhaust
	Head O.D. intake / exhaust

Engine - Connecting Rods

Material & mass (kg., (weight, lbs.))	Forged Steel 0.485 kg (with Bolts)
---------------------------------------	------------------------------------

Engine - Crankshaft

Material & mass (kg., (weight, lbs.))	Forged Steel 11.5 kg
End thrust taken by bearing (no.)	3
Number of main bearings	5
Seal (material, one, two piece design, etc.)	Front Acrylic Rubber One Piece
	Rear Silicone One Piece

Engine - Lubrication System

Normal oil pressure (kPa (psi) at engine rpm)	343 kPa at 1700 rpm
Type of intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of crcase, less filter+oil+L (qt.)	3.3

Engine - Diesel Information

Diesel engine manufacturer	
Glow plug, current drain at 0°F	
Injector nozzle	Type
	Opening pressure (kPa (psi))
Pre-chamber design	
Fuel injection pump	Manufacturer
	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.
Charge cooler	N.A.

*Finished State

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Engine Description/Code
 Engine Code

All Models	
M/T	A/T

Engine - Cooling System

Coolant recovery system (std., opt., N.A.)		Std (Reserve Tank)	
Coolant fill location (ref., bottle)		Bottle	
Radiator cap relief valve pressure (kPa (psi))		90	
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at °C (°F)	82°C	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM/1000 pump rpm	-	
	Number of pumps	1	
	Drive (V-belt, other)	V-belt	
	Sealing type	Integral shaft Permanently Sealed	
	Impeller material	Cold Rolled Carbon Steel	
	Housing material	Aluminum Alloy	
By-pass recirculation (type (filter... etc.))		Internal	
Cooling system capacity	With heater—L/(qt.)	4.8	5.2
	With air cond.—L/(qt.)	4.8	5.2
	Opt. equipment (specify—L/(qt.))	N.A.	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		Yes	
Radiator core	Std. A/C, HO	Std. A/C	
	Type (cross-flow, etc.)	Cross Flow	
	Construction (fin & tube mechanical, brazed, etc.)	Corrugated	
	Material, mass (kg (wgt. lbs.))	4.05 kg	6.0 kg
	Width	590 mm	
	Height	349 mm	
	Thickness	16 mm	32 mm
	Pins per inch	19	17
Radiator end tank material		Resin	
Fan	Std., elec., opt.	Elect	
	Number of blades & type (fan, solid, material)	N.A.	
	Diameter & projected width	ø320	
	Race (fan to crankshaft rev.)	N.A.	
	Fan output type	N.A.	
	Drive type (direct, remote)	N.A.	
	RPM at idle (elec.)	2200 rpm	
	Motor rating (wattage) (elec.)	160 W	
	Motor switch (type & location) (elec.)	Thermo Switch / Rad	
	Switch point (temp., pressure) (elec.)	95°C	
	Fan shroud (material)	Resin	Steel

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Engine Description/Carb.
 Engine Code

E16I		E16S	
2WD	4WD	FED	CAL

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

Induction type: carburetor, fuel injection system, etc.			Fuel Injector		Carburetor	
Manufacturer			JECS		HITACHI	
Carburetor	Choke (type)		N.A.		N.A. Symetal	
	Idle spec. rpm (spec. neutral or drive and propane if used)	Manual	800 rpm in Neutral	800 rpm in Neutral	800 rpm in Neutral	
		Automatic	700 rpm in Drive	N.A.	700 rpm in Drive	
Idle A/F mix.			Preset and Sealed at Factor			
Fuel injection	Point of injection (no.)		1		N.A.	
	Constant, pulse, flow		Pulse		N.A.	
	Control (electronic, mech.)		Electronic		N.A.	
	System pressure (kPa (psi))		98.1 kPa (1.0 kg/cm ²)	250.1 kPa (2.55 kg/cm ²)	N.A.	
Intake manifold heat control (exhaust or water thermostat or fixed)			Water			
Air cleaner type	Standard		Thermostatically controlled (Paper Filter)			
	Optional		N.A.			
Fuel pump	Type (elec. or mech.)		Electrical		Mechanical	
	Location (eng., tank)		In Tank		Eng	
	Pressure range (kPa (psi))		98.1 kPa (1.0 kg/cm ²)	299.1 kPa (3.05 kg/cm ²)	26.5 kPa (0.27 kg/cm ²)	
Fuel Tank			2WD		4WD	
Capacity (refill L (gallons))			50		47	
Location (describe)			Under Rear Floor			
Attachment			Fastened with bolts		Fastened with belt	
Material & Mass (kg (weight lbs))			Carbon Steel Tin-Lead Coat Carb 10kg SPI 11kg SPI 12.5 kg			
Filter 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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E16I		E16S	
2WD	4WD	FED	CAL

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		TBI/EGR/AIV/ TWC/CL	TBI/EGR/AIV/ TWC+OC/CL	ECC/EGR/AIV/ TWC+OC/CL	ECC/EGR/AIV/ TWC/CL
	Air Injection	Pumps or valves	N.A.			
		Driven by	N.A.			
		Air distribution (manifold, etc.)	N.A.			
		Point of entry	N.A.			
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled			
		Exhaust source	Exhaust Manifold			
		Point of exhaust injection (exhaust manifold, other)	Intake Manifold			
	Catalytic Converter	Type	Three way	Three way + Oxidation	Three way + Oxidation	Three way
		Number of	1			
		Location(s)	Under Floor			
		Volume (L (in ³))	1.7	1.3+0.7	1.3+0.7	1.3
		Substrate type	Monolith			

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)		To Intake Manifold	
	Air inlet (breather cap, other)		Air Cleaner	Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, carburetor, other)	Fuel tank	Canister	Canister
		Carburetor	N.A.	Canister through the other vent pipe
	Vapor storage provision		Carbon Canister	
Electronic system	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		Yes	

Engine - Exhaust System			E16I		E16S		CD17
			2WD	4WD	FED	CAL	
Type (single, single with cross-over, dual, other)			Single with Converter				Dual
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass (kg (weight lbs))			Muffler 1				
Resonator no. & type			*1 3.9kg	*1 4kg	*1 3.7kg	*1 3.9kg	*1 3.4kg
Exhaust pipe	Branch o.d., wall thickness		N.A.				ø38.1 t1.6
	Main o.d., wall thickness		*2	ø42.7 t1.4	*2		ø45 t1.4
	Material & Mass (kg (weight lbs))		*3 3.2kg	*3 2.2kg	*3 3.1kg	*3 3.5kg	*4 5.6kg
Intermediate pipe	o.d. & wall thickness		ø42.7 t1.6	ø42.7 t1.4	ø42.7 t1.6		ø38.1 t1.4
	Material & Mass (kg (weight lbs))		*4 3.8kg	*4 2.8kg	*4 3.8kg		*4 2.8kg
Tail pipe	o.d. & wall thickness		ø38.1 t1.4	ø35 t1.6	ø38.1 t1.4		ø38.1 t1.4
	Material & Mass (kg (weight lbs))		*5	*4 0.4kg	*5		*4 3.8kg

- *1 One Reverse Flow with Resonator
- *2 Front Half; ø42.7 t1.5 Rear Half; ø45 t1.4
- *3 Front Half; Stainless Steel Tube Rear Half; Al Coat Steel Tube
- *4 Al Coat Steel Tube
- *5 Al Coat Steel Tube 0.2kg(H/B), 0.5kg(SED)
0.3kg(COUPE), 0.6kg(WAG)

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Engine Code

E16I		E16S
2WD	4WD	

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N.A.		
Manual 4-speed (std., opt., n.a.) (mfr.)	N.A.		
Manual 5-speed (std., opt., n.a.) (mfr.)	Std.		
Manual overdrive (std., opt., n.a.) (mfr.)	Std.		
Automatic (std., opt., n.a.) (mfr.)	Std.	N.A.	Std.
Automatic overdrive (std., opt., n.a.) (mfr.)	N.A.	N.A.	N.A.

Manual Transmission/Transaxle

Number of forward speeds		5		
Transmission ratios	In first	3.333	3.063	3.333
	In second	1.955	1.826	1.955
	In third	1.286	1.207	1.286
	In fourth	0.902	0.902	0.902
	In fifth	0.756	0.756	0.756
	In overdrive			
	In reverse	3.417	3.417	3.417
Synchronous meshing (specify gears)		1,2,3,4,5		
Shift lever location		Floor Mounted		
Lubricant	Capacity (L (qt.))	2.7		
	Type recommended	NISSAN Elephant MP Gear Oil		
	SAE viscosity number	Summer	80W-90	
		Winter	80W-90	
		Extreme cold	80W-90	

Clutch (Manual Transmission)

Make, type, engagement (describe) -- (hydraulic, cable, rod)		ATSUGI Dry Disc		
Assist (yes, no, percent)				
Type pressure plate springs		Diaphragm		
Total spring load (N (lb.))		330 kg		
No. of clutch driven discs		1		
Clutch facing	Material	Spiral Wound Asbestos		
	Manufacturer	AKERONO		
	Part number	93C138 8231		
	Rivets/plate	16		
	Rivet size	9.5		
	Outside & inside dia.	190 x 132		
	Total eff. area (cm ² (in. ²))	147 cm ²		
	Thickness	3.5		
	Engagement cushion method	Flat Wave Spring		
Release bearing	Type & method of lubrication	Ball Bearing Sealed Type		
Torsional damping	Method: springs, friction material	Coil Springs and Friction Washers		

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Engine Description/Carb.
 Engine Code

E16S A/T	E16i A/T	E16 I 2WD	M/T 4WD	E16S M/T
-------------	-------------	--------------	------------	----------

Automatic Transmission/Transaxle

Trade name		Nissan Mario (RL3F01A)
Type and special features (describe)		Lock up Torque Converter with Automatically Operated Planetary Gear
Selector	Location	Floor Mounted
	Ltr. No. designation	P.R.N.D.2.1
Gear ratios	1st	2.826
	2nd	1.543
	3rd	1.000
	4th	
	Reverse	2.364
Max. upshift speed - drive range (low/h (mph))		103
Max. lockdown speed - drive range (low/h (mph))		93
Min. overdrive speed (low/h (mph))		N.A.
Torque converter	Number of elements	3
	Min. ratio at stall	2.0 : 1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	236
Lubricant	Capacity (refill L (pt.))	6.0
	Type Recommended	Dexron Automatic Transmission Fluid
Oil cooler (std., opt., NA, internal, external, air, liquid)		Std.

Axle or Front Wheel Drive Unit

Type (front, rear)			
Description			
Limited slip differential (type)			
Drive pinion offset			
Drive pinion (type)			
No. of differential pinions			
Pinion / differential adjustment (shim, other)			
Pinion / differential bearing adjustment (shim, other)			
Driving wheel bearing (type)			
Lubricant	Capacity (L (pt.))		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
	Extreme cold		

Axle or Transaxle Ratio and Tooth Combinations (See Power Teams for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.600	4.167	4.471	3.895
No. of teeth	Pinion	20	18	17	19
	Ring gear or gear	72	75	76	74
Ring gear o.d.		202.4	198.9	201.3	196.7
Transaxle	Transfer gear ratio	N.A.	N.A.	N.A.	N.A.
	Final drive ratio	3.600	4.167	4.471	3.895

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

NISSAN SENTRA

Car Line _____
 Model Year '87 Issued '86-9 Revised (e) _____

Engine Description/Carb.
 Engine Code

E16S	E16I
------	------

Axle Shafts – Front Wheel Drive

Manufacturer and number used		2	
Outer diam. x length* x wall thickness	Type (straight, solid bar, tubular, etc.)	Left	Solid Bar
		Right	Tubular
	Manual transmission	Left	25 x 379.2
		Right	40 x 643 x 3.5
	Automatic transmission	Left	25 x 379.2
		Right	40 x 643 x 3.5
	Optional transmission	Left	
		Right	
Spline	Type		
	Number of teeth		
	Spline o.d.		
Universal joints	Make and mtg. no.	Inner	NISSAN
		Outer	NISSAN
	Number used	2 Inner & 2 Outer	
	Type, size, plunge	Inner	TS70C
		Outer	ZF80
	Attach (u-bolt, clamp, etc.)	Attached by Circlip	
		Bearing	Type (plain, anti-friction)
Lubrication (filing, grease)	ZF90		
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.

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Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type And/Or
 Engine Displacement

2WD		4WD
COUPE	EXCEPT COUPE	

Suspension - General

Car leveling	Std. oil / n.a.	N.A.
	Type (air, hyd., etc.)	N.A.
	Manual/auto. controlled	N.A.
Provision for brake disc control		Suspension Geometry
Provision for accel. equal control		Suspension Geometry
Provisions for car jacking		-
Shock absorber (front & rear)	Type	Hydraulic
	Make	Atugi, Kayaba and Tokiko
	Front diameter	425
	Rear diameter	418
		Kayaba Fr: 425 Rr: 430.2 Fr: 418 Rr: 420

Suspension - Front

Type and description		Independent Strut Type	
Travel	Full bounce	67 mm	75 mm
	Full rebound	93.5 mm	85.5 mm
Spring	Type (coil, leaf, other) & material	Coil, Spring Steel	
	Insulators (type & material)	Rubber Seat	
	Size (coil design height & i.d., bar length & dia.)	*1	LH 356x117, 2675x12.9 RH 348x117, 2555x12.8
	Spring rate (N/mm (lb./in.))	19.6 N/mm	24.5 N/mm
	Rate at wheel (N/mm (lb./in.))	19.2 N/mm	24.0 N/mm
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	Carbon Steel, 24.2 Carbon Steel, 21	

Suspension - Rear

Type and description		Independent Strut Type	
Travel	Full bounce	100 mm	102.5 mm
	Full rebound	100 mm	97.5 mm
Spring	Type (coil, leaf, other) & material	Coil, Spring Steel	
	Size (length x width, coil design height & i.d., bar length & dia.)	COUPE 330 x 117, 2480x9.9-11.5	SEDAN 339 x 117, 2555x10.1-11.5
		WAGON 349 x 117, 2670x10.1-11.8	377 x 87 ~ 117 2900 x 11.7
	Spring rate (N/mm (lb./in.))	15.7 ~ 24.0 N/mm	17.6 N/mm
	Rate at wheel (N/mm (lb./in.))	14.2 ~ 21.7 N/mm	15.9 N/mm
	Insulators (type & material)	Rubber Seat	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	Carbon Steel, 24.2 Carbon Steel, 18	
Track bar (type)		N.A.	

*1	Coupe M/T	Coupe A/T SED. WAG. M/T Coupe M/T (w/AC)	SED. WAG. A/T SED. WAG. M/T (w/AC)	Diesel SED. WAG. A/T (w/AC)	Diesel (w/AC)
	LH 343x117, 2445x11.7	351x117, 2505x11.8	358x117, 2630x12.1	366x117, 2695x12.1	373x117, 2760x12.3
MVMA-C-87	RH 336x117, 2385x11.7	343x117, 2445x11.8	351x117, 2505x11.9	358x117, 2630x12.1	366x117, 2695x12.3

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type And/Or
 Engine Displacement

SEDAN HATCH BACK COUPE	WAGON	WAGON 4WD
------------------------------	-------	-----------

Brakes - Service

Description						
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)		Disc: Std.		
		Rear (disc or drum)		Drum; Std.		
Self-adjusting (std., opt., n.a.)		Front; Std. Rear; Std.				
Special valving	Type (proportion, delay, metering, other)		Rear; Proportioning			
Power brake (std., opt., n.a.)		Std.				
Master type (remote, integral, vcd., hyd., etc.)		Integral				
Fluid source (inline, pump, etc.)		Inline				
Vacuum reservoir (volume in. ³)		88.5		112.9		
Vacuum pump-type (elec. gear driven, belt driven, if other so state)		N.A.				
Anti-lock device type (std., opt., n.a.) (F/R)		N.A.				
Effective area (cm ² (in. ²))		*1 132/272	*1 148/272	*1 148/348		
Gross lining area (cm ² (in. ²))** (F/R)		*1 132/272	*1 148/272	*1 148/348		
Swept area (cm ² (in. ²))*** (F/R)		1391	1525	1653		
Rotor	Outer working diameter	F/R	*1 238/N.A.	*1 238/N.A.		
	Inner working diameter	F/R	*1 164/N.A.	*1 149.4/N.A.		
	Thickness	F/R	12	18		
	Material & type (vented/solid)	F/R	*2	*1 Cast Iron Vented/N.A.		
Drum	Diameter & width	F/R	*1 N.A./203.2	*1 N.A./228.6		
	Type and material	F/R	*1 N.A./Cast Iron			
Wheel cylinder bore		*1 48.1/15.88	*1 48.1/17.46			
Master cylinder	Bore/stroke	F/R	23.81 - 19.05/31	25.4 - 20.64/31		
Pedal arc ratio		4.21				
Line pressure at 445 N(100 lb.) pedal load (kPa (psi))		11380		11091		
Lining clearance		F/R	*1 No Major Adjustment Required/0.3-0.5(Pri + Sec)			
Brake lining	Front wheel	Bonded or riveted (rivets seq.)		Bonded		
		Rivet size		N.A.		
		Manufacturer		HITACHI		
		Lining code*****		HITACHI HP14 EE		
		Material		Molded Semi Metallic		
		****	Primary or out-board	94 x 37 x 10	100.8 x 44.3 x 10	
		Size	Secondary or in-board	94 x 37 x 10	100.8 x 44.3 x 10	
		Shoe thickness (no lining)		6	6	
	Rear wheel	Bonded or riveted (rivets seq.)		Bonded		
		Manufacturer		AKEBONO		
		Lining Code*****		AKEBONO AKP330 FF		
		Material		Molded Asbestos		
		****	Primary or out-board	195 x 35 x 4.5	219.4 x 40.0 x 4.5	
		Size	Secondary or in-board	195 x 35 x 4.5	219.4 x 40.0 x 4.5	
		Shoe thickness (no lining)		1.6	2	

*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 Working Dia. multiplied by Pi/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

*1 Front/Rear
 *2 Front:Cast Iron So
 Rear : N.A.

MVMA Specifications Form
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METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type And/Or
 Engine Displacement

2WD			4WD
STD,E	XE,GXE	SE	

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P155/80R13.B. 1 ply		P175/70R13.B. 1 ply		185/60R14 82H. 2 ply		P175/70R13.B. 1 ply		
	Type (bias, radial, etc.)		Radial								
	Inflation pressure (cold) for recommended max. vehicle load	Front (kPa (psi))	200 (29)						200 (29)		
		Rear (kPa (psi))	180 (26)						200 (29)		
	Rev./mile—at 70 km/h (45 mph)			666 rpm		663 rpm		668 rpm		663 rpm	
Wheels	Type & material		Disc-Stamped Steel			Aluminum Casting			Disc-Stamped Steel		
	Rim (size & flange type)		13 x 5 - J			14x5-1/2-JJ			13 x 5 - J		
	Wheel offset		40			45			40		
	Attachment	Type (bolt or stud)	Stud								
		Circle diameter	100.0								
Number & size		M12 x 1.25 4 Hex Nuts									
Spare	Tire and wheel (same, if other describe)		T115/70D14 14 x 4T						T135/70D15 15 X 4T		
	Storage position & location (describe)										

Tires And Wheels (Optional)

Size (load range, ply)	N.A.
Type (bias, radial, etc.)	N.A.
Wheel (type & material)	Aluminum Casting
Rim (size, flange type and offset)	13 x 5 - J
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel	
(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 brake	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

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Passenger Car
METRIC (U.S. Customary)

NISSAN SENTRA

Car Line _____
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type And/Or
 Engine Displacement

2WD		4WD
Excent SE	SE	

Steering

Manual (std., opt., n.s.)		Std.	
Power (std., opt., n.s.)		Opt.	
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt	
	Manufacturer	F.K.K.	
	(Std., opt., n.s.)	Std. GREAD STD: Opt.	
Wheel diameter** (WB) SAE J1100	Manual	ø380 mm	
	Power	ø380 mm	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	5.1 5.3 5.4
		Curb to curb (l. & r.)	4.6 4.8 4.9
	Inside rear	Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	
Steering Radius*			
Manual	Gear	Type	Rack & Pinion
		Manufacturer	NISSAN
		Ratios	Overall 20.5 20.7
	No. wheel turns (stop to stop)	4.28 4.08 4.02	
	Type (control linkage, etc.)		
Power	Gear	Type	Rack & Pinion
		Ratios	Overall 14.7 14.8 14.0
		Pump (drive)	Belt from Crank-Shaft Pulley
	No. wheel turns (stop to stop)	3.07 2.92 2.72	
	Type		
Linkage	Location (front or rear of wheels, other)		Rear
	Tie rods (one or two)		Two
Steering axis	Inclination at camber (deg.)		
	Bearings (type)	Upper	
		Lower	
Thrust			
Steering spindle & joint type		Knuckle with Upper Strut and Lower Spherical Joint	
Wheel spindle/hub	Diameter	Inner bearing	ø38
		Outer bearing	ø38
	Thread (size)	M22 x 1.5	
	Bearing (type)	Angular Ball	

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

**See Page 21.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type And/Or
 Engine Displacement

2WD		4WD
Except Coupe	Coupe	

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1°30' ± 45'	1°40' ± 45'	0°55' ± 45'
		Camber (deg.)	-0°10' ± 45'	-0°20' ± 45'	-0°05' ± 45'
		Toe-in (outside track-mm (in.))	0.5 ± 1 (mm)	0.3 ± 1 (mm)	0.5 ± 1 (mm)
	Service reset*	Caster	1°30' ± 45'	1°40' ± 45'	0°55' ± 45'
		Camber	-0°10' ± 45'	-0°20' ± 45'	-0°05' ± 45'
		Toe-in	0.5 ± 1 (mm)	0.3 ± 1 (mm)	0.5 ± 1 (mm)
	Periodic M.V. inspection	Caster	1°30' ± 45'	1°40' ± 45'	0°55' ± 45'
		Camber	-0°10' ± 45'	-0°20' ± 45'	-0°05' ± 45'
		Toe-in	0.5 ± 1 (mm)	0.3 ± 1 (mm)	0.5 ± 1 (mm)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-1°05' ± 45'	-1°10' ± 45'	-0°55' ± 45'
		Toe-in (outside track-mm (in.))	-1 ± 2 (mm)	-2 ± 2 (mm)	-2 ± 2 (mm)
	Service reset*	Camber	-1°05' ± 45'	-1°10' ± 45'	-0°55' ± 45'
		Toe-in	-1 ± 2 (mm)	-2 ± 2 (mm)	-2 ± 2 (mm)
	Periodic M.V. inspection	Camber	-1°05' ± 45'	-1°10' ± 45'	-0°55' ± 45'
		Toe-in	-1 ± 2 (mm)	-2 ± 2 (mm)	-2 ± 2 (mm)

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Dial with Pointer
	Trips odometer (std., opt., n.a.)	Std.
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 (Opt.)
	Warning device (light, audible)	Light (Opt.)
Windshield wiper	Type (standard)	Electric 2 speed Intermittent
	Type (optional)	N.A.
	Blade length	475 mm (LH) 450 mm (RH)
	Sweep area (cm ² (in. ²))	5950 cm ²
Windshield washer	Type (standard)	Electric
	Type (optional)	N.A.
	Fluid level indicator (light, audible)	Warning Light
Rear window wiper, wiperwasher (std., opt., n.a.)		Std. (Coupe SE, Wagon XE) Opt. (H/B, Coupe DX, Wagon DX)
Horn	Type	Vibrator
	Number used	1

Other

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Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Engine Description/Carb.
 Engine Code

All Models

Electrical - Supply System

Battery	Manufacturer	
	Model, std., (opt.)	55023LMF
	Voltage	12V
	Amps at 0°F cold crank	300
	Minutes-reserve capacity	90
	Amps/hr. - 25 hr. rate	60Ah
	Location	ENG Room L/H Front
Alternator	Manufacturer	
	Rating	60A
	Ratio (alt. crankrev.)	2.25
	Options (type & rating)	N.A.
Regulator	Type	Voltage Control

Electrical - Starting System

Start. motor	Current drain at 0°F	N.A.
Motor drive	Engagement type	Solenoid
	Pinion engages from (front, rear)	Rear

Electrical - Ignition System

Type	Electronic (std., opt., N.A.)	Std.
	Other (specify)	N.A.
Coil	Make	HITACHI
	Model	CMIT-201-20
	Current	Engine stopped - A
		Engine idling - A
Spark plug		0
		0.4
	Make	NGK
	Model	BPRSES-11
	Thread (mm)	14
	Tightening torque (N-m (lb. ft.))	0.2 - 0.3 Nm
	Gap	1.0 - 1.1 mm
Distributor	Make	HITACHI MITSUBISHI
	Model	D4P83-03 T4T84471

Electrical - Suppression

Locations & type	
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MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (•) _____

Body Type

SEDAN		HATCH BACK	COUPE	WAGON
4 Door	2 Door			

Body

Structure	Mono Cock
Bumper system front - rear	
Anti-corrosion treatment	Surface treatment Steel Seat Anti corrosion sealant Anti corrosion wax

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)					
Hood	Hinge location (front, rear)	Rear -			
	Type (counterbalance, prop)	Prop			
	Release control (internal, external)	Internal			
Trunk lid	Type (counterbalance, other)	Torsion	-	-	-
	Internal release control (elec., mech., n.a.)	Mechanical	-	-	-
Hatch-back lid	Type (counterbalance, other)	-	Gas Spring	Gas Spring	-
	Internal release control (elec., mech., n.a.)	-	Mechanical	Mechanical	-
Station wagon		-	-	-	Gas Spring
		-	-	-	Mechanical
Vent window control (crank, friction, pivot, power)		Front			
		Rear			
Seat cushion type (e.g., 80/40, bucket, bench, wvs, foam etc.)		Front	Spring + Urethane Foam		
		Rear	Urethane Foam		
		3rd seat	N.A.		
Seat back type (e.g., 80/40, bucket, bench, wvs, foam etc.)		Front	Spring + Urethane Foam		
		Rear	Urethane Foam		
		3rd seat	N.A.		

MVMA Specifications Form
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Car Line NISSAN SENTRA

Model Year '87 Issued '86-9 Revised (e) _____

Body Type

All Models

Restraint System

Active restraint system	Standard/optional	Standard		
	Type and description	3 Point with (ELR) Retractor	2 Point with (ALR) Retractor	2 Point
	Location	Front	Rear Side	Rear Center
Passive seat belts	Standard/optional	None		
	Power/manual	None		
	2 or 3 point	None		
	Knee bar lap belt	None		

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)		Unitized Construction				
Glass	SAE Ref. No.	SEDAN		HATCHBACK	WAGON	COUPE
		4 Door	2 Door			
Windshield glass exposed surface area (cm ² (in. ²))	S1	8240 cm ²				8000 cm ²
Side glass exposed surface area (cm ² (in. ²)) - total 2-sides	S2	9893 cm ²	9659 cm ²	10400 cm ²	11893 cm ²	6559 cm ²
Rearlight glass exposed surface area (cm ² (in. ²))	S3	6675 cm ²		7583 cm ²	7504 cm ²	11223 cm ²
Total glass exposed surface area (cm ² (in. ²))	S4	24808 cm ²	24574 cm ²	26223 cm ²	27637 cm ²	25782 cm ²
Windshield glass (type)		Curved Luminate Plate				
Side glass (type)		Curved Tempered Plate				
Rearlight glass (type)		Curved Tempered Plate				

MVMA Specifications Form
Passenger Car
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Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type

All Models

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

Air conditioning (manual, auto, temp control)	Manual	
	Std. (Digital)	
Clock (digital, analog)	None	
Compass, thermometer	Std. (Floor)	
Console (floor, overhead)		
Defroster, elec. backlight		
Electronics	Diagnostic monitor (integrated, individual)	
	Instrument cluster (flat instruments)	
	Keyless entry	None
	Trigameter (avg. spd., fuel)	
	Voice alert (flat tones)	
	Other	
Fuel door lock (remote, key, electric)	Std. - Key	E - Remote
Lamps	Auto head on / off delay, dimming	
	Cornering	None
	Courtesy (map, reading)	None
	Door lock, ignition	
	Engine compartment	None
	Fog	None
	Glove compartment	
	Trunk	
Mirrors	Other	High Mount Stop Lamp
	Day-night (auto, man.)	Man.
	L.H. (remote, power, heated)	Std: Body Adjust, E: Man (Opt Remote), *1: Remote
	R. H. (convex, remote, power, heated)	Std: Convex Body Adjust, E: (Opt Convex Remote), *1: Convex Remote (Opt Convex Power)
Power equipment	Vicar vanity (RH L.H. illuminated)	
	Parking brake-auto release (warning light)	
	Door locks, deck lid - specify	None Opt. - 2 Door SED. 4 Door SED WAGON
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hsa, thigh support (power, manual) reclining (driver, pass) memory (1-2 crest, recline)	None
	Side windows	None
	Vent windows	None
Radio systems	Rear window	None
	Antenna (location, whip, w/ shield, power)	Opt. SED, H/B, WAGON: Front Fender Whip & w/ Shield, COUPE: Rear Whip & Rear Glass
	AM, FM, stereo, tape, CB	Opt: AM/FM MPX
Roof open air fixed (flip-up, sliding, "T")	Speaker (number, location) Premium sound	Opt: 4 Speakers (Front; Door, Rear; Rear Parcel Shelf)
		SED, WAGON, 3 Door H/B - Sliding(opt.) COUPE-Flip-up(opt.)
Speed control device	None	
Speed warning device (light, buzzer, etc.)	None	
Tachometer (rpm)	Opt.	
Telephone system - mode	None	
Theft protection-type	Steering Lock	

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body 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 car line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Car Line NISSAN SENTRA
Model Year '87 Issued '86-9 Revised (e) _____

Body Type	SAE Ref. No.	SEDAN		COUPE		HATCH BACK	WAGON	4WD WAGON
		4Door	2Door	SE	XE			
Width								
Track (front)	W101	1430		1425	1435	1430		1430
Track (rear)	W102	1430		1425	1435	1430		1415
Vehicle width	W103	1640		1665			1640	
Body width at Sq RP (front)	W117				1635			
Vehicle width (front doors down)	W120	3280		3760			3280	
Vehicle width (rear doors down)	W121	3330		N.A.			3330	
Front fender overall width	W106	1640		1665		1640		
Rear fender overall width	W107	1640		1665		1640		
Turn-in angle (deg.)	W122	21°		24°			21°	

Length

Wheelbase	L101		2430					
Vehicle length	L103	4285		4230		4125	4375	
Overhang (front)	L104	855		930			855	
Overhang (rear)	L105	1000		870		840	1090	
Upper structure length	L123	2430		2650		2473	2935	
Rear wheel C L "X" coordinate	L127		2430					
Cowl point "X" coordinate	L125							
Front end length at cowl line	L128	1178		1267			1178	
Rear end length at cowl line	L129	513		187		305	93	

Height*

Passenger distribution (front/rear)	P01 2/3	2/3		2/2			2/3	
Trunk cargo load					34 kg			
Vehicle height	H101	1380		1325		1405	1380	1395
Cowl point to ground	H114	898		891		898		903
Deck point to ground	H138	862		851		846	812	850
Rocker panel-front to ground	H112	187		181		187		181
Bottom of door closed-front to grd.	H133	257	253	254		253	257	297
Rocker panel-rear to ground	H111	156		158		156		180
Bottom of door closed-rear to grd.	H135	246		-			246	270
Windshield slope angle	H122				60°			
Backlight slope angle	H121	45°		20°		45°		32°

Ground Clearance*

Front bumper to ground	H102	252		242		252	252	246
Rear bumper to ground	H104	210		222		214	210	242
Bumper to ground (front at curb mass (wt.))	H103	260		252		260	260	260
Bumper to ground (rear at curb mass (wt.))	H105	304		297		308	304	329
Angle of approach (degrees)	H108	20.6°		19°			20.6°	
Angle of departure (degrees)	H107	15 *1		17 *1		19 *1	13 *1	12.5°
Ramp breakover angle (degrees)	H147	17.9°		16.8°			17.9°	18.4°
Axle differentials to ground (front/rear)	H153							
Min. running ground clearance	H158	130		118		130	130	128
Location of min. run. grd. clear.					Exhaust pipe			Exhaust

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.

Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk cargo load.

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

*1 Passenger
Front Seat 2
Rear Seat 2

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line NISSAN SENTRA
Model Year '87 Issued '86-9 Revised (e) _____

Body Type

S&B Ref. No.	SEDAN		HATCH BACK	COUPE	WAGON	
	4Door	2Door			2WD	4WD

Front Compartment

Sg RP front, "X" coordinate	L31	1348				
Effective head room	H61	970	983	940	970	
Max. eff. leg room (acceleration)	L34	1062		1057	1062	
SgRP to heel point	H30	269		254	269	
SgRP to heel point	L53	853				
Back angle	L40	25°				
Hip angle	L42	97°		96°	97°	
Knee angle	L44	123°		122.5°	123°	
Foot angle	L46	84°		85°	84°	
Design H-point from travel	L17	226.8				
Normal driving & riding seat track inv.	L23	226.8				
Shoulder room	W3	1323	1328	1328	1323	
Hip room	W5	1372		1262	1372	
Upper body opening to ground	H60					
Steering wheel maximum diameter	W8	6380 mm				
Steering wheel angle	H18	24.4°				
Accel. heel pt. to steer. whl. crtr	L11	451				
Accel. heel pt. to steer. whl. crtr	H17	647				
Steering wheel to C. L. of thigh	H13	68		73	68	
Steering wheel torso clearance	L7	376		382	376	
Headlining to roof panel (front)	H37					
Undepressed floor covering thickness	H67					

Rear Compartment

Sg RP Point couple distance	L50	692		592	692	682
Effective head room	H63	935	973	742	998	978
Min. effective leg room	L51	797			797	795
Sg RP (second to heel)	H31	298		263	298	318
Knee clearance	L48	0				
Compartment room	L3	583		628	583	
Shoulder room	W4	1323	1303	1285	1278	1323
Hip room	W6	1369	1333	1181	1001	1372
Upper body opening to ground	H51					
Back angle	L41	27°		22°	27°	
Hip angle	L43	84°		72.5°	84°	86°
Knee angle	L45	72°		47°	72°	
Foot angle	L47	112°		93.5°	112°	110°
Headlining to roof panel (second)	H38					
Depressed floor covering thickness	H73					

Luggage Compartment

Usable luggage capacity (L. (CL. R.))	V1					
Lift-over height	H185	795	645	865	585	

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)	Compact Cars		Subcompact Cars	Small Station Wagons	
Interior volume index (cu. ft.)	99.6	103.8	87.9	115.0	113.9
Trunk cargo index (cu. ft.)	12.3	14.7	16.2	24.4	

* See page 14.

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line NISSAN SENTRA

Model Year '87 Issued '86-9 Revised (e) _____

Body Type

SAE Ref. No.	SEDAN		WAGON		HATCH BACK	COUPE
	2Door	4Door	2WD	4WD		

Station Wagon - Third Seat

Sq RP couple distance	L85	N.A.
Shoulder room	W85	N.A.
Hip room	W86	N.A.
Effective leg room	L86	N.A.
Effective head room	H86	N.A.
Sq RP to rear door	H87	N.A.
Knee clearance	L87	N.A.
Seat facing direction	SD1	N.A.
Back angle	L88	N.A.
Hip angle	L89	N.A.
Knee angle	L90	N.A.
Foot angle	L91	N.A.

Station Wagon - Cargo Space

Cargo length (open front)	L200	N.A.			N.A.
Cargo length (open second)	L201	N.A.			N.A.
Cargo length (closed front)	L202	N.A.			N.A.
Cargo length (closed second)	L203	N.A.	977	983	N.A.
Cargo length at belt (front)	L204	N.A.	1487.8		N.A.
Cargo length at belt (second)	L205	N.A.	736.8		N.A.
Cargo width (wheelhouse)	W201	N.A.	940.0		N.A.
Rear opening width at floor	W203	N.A.	-		N.A.
Opening width at belt	W204	N.A.	1298.7		N.A.
Max. rear opening width above belt	W205	N.A.	-		N.A.
Cargo height	H201	N.A.	692.7		N.A.
Rear opening height	H202	N.A.	692.7		N.A.
Tailgate to ground height	H230	N.A.	-		N.A.
Front seat back to load floor height	H197	N.A.	312		N.A.
Cargo volume index (m ³ (ft. ³))	V2	N.A.	1.38		N.A.
Hidden cargo volume (m ³ (ft. ³))	V4	N.A.	-		N.A.
Cargo volume, index-rear of 2-seat	V10	N.A.	-		N.A.

Hatchback - Cargo Space

Cargo length at front seatback height	L208	N.A.		12960	12510
Cargo length at floor (front)	L209	N.A.		13650	13400
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.		312	347
Second seatback to load floor height	H198	N.A.		517	465
Cargo volume index (m ³ (ft. ³))	V3	N.A.		5.44	4.50
Hidden cargo volume (m ³ (ft. ³))	V4	N.A.			
Cargo volume index-rear of 2-seat	V11	N.A.			

Aerodynamics*

Wheel to ground, front	628	628	645	628	618
Wheel to ground, rear	607	607	669	607	604
Frontal area (m ² (ft. ²))	1.82	1.82	1.83	1.82	1.78
Drag coefficient (Cd)	0.36	0.37	0.36	0.36	0.32

* EPA Loaded Vehicle Weight, Loading Conditions

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type

SEDAN , HATCH BACK

COUPE

Vehicle Fiducial Marks

Fiducial Mark Number	Define Coordinate Location		
Front	The Center of the Drain Hole (ø14) on the 1st Cross Member.		
Rear	The Center of the Hole (ø16) on the Left Hand Rear Side Member.		
Fiducial Mark Number			
Front	W21	250	250
	LS4	-600	-600
	H81	34.1	34.1
	H181	268.3	258
	H183	248.2	240.9
Rear	W22	529	529
	LS5	2880	2880
	H82	140	140
	H182	388.5	374.5
	H184	348.2	351.9

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.
 All linear dimensions are in millimeters (inches).

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line NISSAN SENTRA
 Model Year '87 Issued '86-9 Revised (e) _____

Body Type

COUPE	WAGON	SED	HATCH BACK
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Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	655	665			
		Lowest	N.A.				
	Tail lamp (SAE - H128)	Highest**	735	745 .	765	750	
		Lowest	N.A.				
	Sidemarker	Front	660	645			
		Rear	475	475	475	475	
Distance from C.L. of car to center of bulb	Headlamp	Inside	500	510			
		Outside**	N.A.				
	Tail lamp	Inside	400	625	435	510	
		Outside**	665	N.A.	635	630	
	Directional	Front	565	570	570	570	
		Rear	520	705	625	570	
	BODY TYPE			ALL			
	Halogen headlamp (std., opt., N.A.)	Lo beam	Std.				
Hi beam		Std.					
Replaceable bulb		9004					
Shape		Aero dynamic Head Lamp					
Headlamp cover over main above	Lo beam	N.A.					
	Hi beam	N.A.					
	Replaceable	N.A.					
	Shape	N.A.					
	Type	N.A.					

* Measured at curb mass (weight).

** If single lamps are used enter here.

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

METRIC (U.S. Customary)

Model Year '87 Issued '86-9 Revised (e)

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
 ** Shipping mass (weight) definition -

METRIC (U.S. Customary)

Model Year '87 Issued '86-9 Revised (et

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
 ** Shipping mass (weight) definition -

METRIC (U.S. Customary)

Car Line NISSAN SENTRA
Model Year '87 Issued '86-9 Revised (e) _____

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

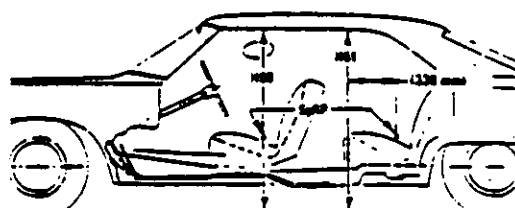
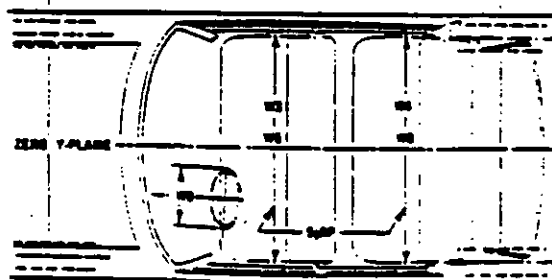
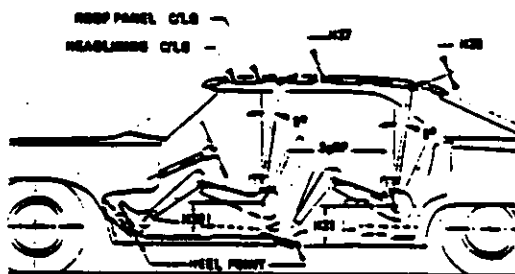
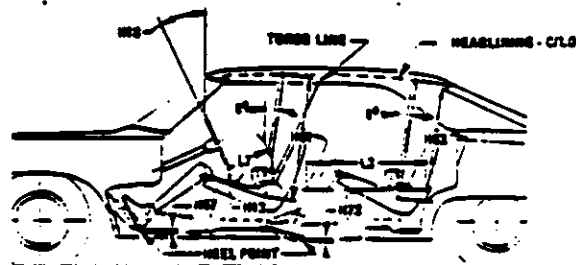
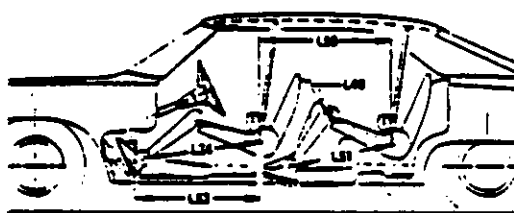
Exterior Car And Body Dimensions – Key Sheet

[illegible]

The diagram illustrates a ramp breaker assembly. A horizontal line represents the ramp surface. A curved line represents the breaker. The angle between the horizontal line and the breaker is labeled "RAMP BREAKER ANGLE". The angle between the horizontal line and the breaker is also labeled "INCLUDED RAMP ANGLE". The diagram shows that the breaker is positioned such that the ramp angle is equal to the breaker angle.

MVMA Specifications Form **Passenger Car** **METRIC (U.S. Customary)**

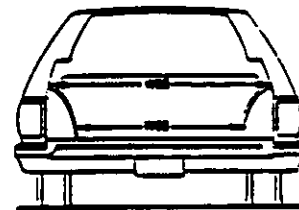
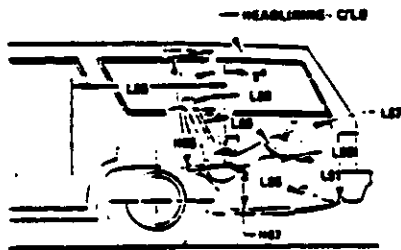
Interior Car And Body Dimensions - Key Sheet



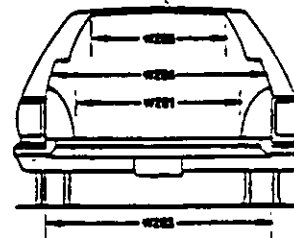
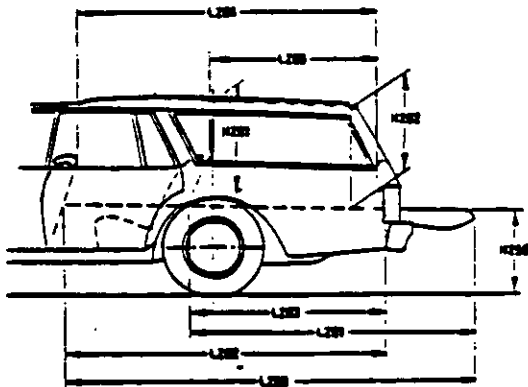
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

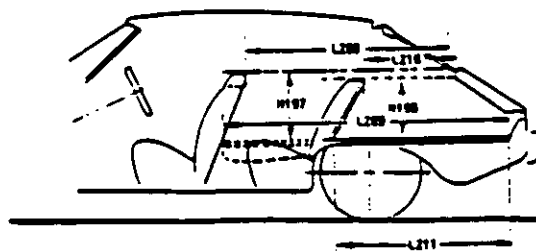
Third Seat



Cargo Space



Station Wagon



Hatchback