

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S.Customary)

1994

Manufacturer NISSAN MOTOR CO., LTD.	Vehicle Line NISSAN 300ZX	
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.

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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 300ZX
 Model Year '94 Issued '93-9 Revised()

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Vehicle Origin

Design & development (company)	NISSAN MOTOR CO., LTD.
Where built (country)	JAPAN
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 (Mfr's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk / Cargo Load - Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
2 Seater		RLZ32JU(GL)	2	40.8 kg (90 lbs)	18/24
		KRLZ32XU(GLL)			18/24
		KRLZ32XAU(GLL)			18/23
		RLZ32JV(GL)			18/24
		KRLZ32XV(GLL)			18/24
		KRLZ32XAV(GLL)			18/23
2 + 2 Seater		KRLGZ32XU(GLL)	4 (2+2)	40.8 kg (90 lbs)	18/24
		KRLGZ32XAU(GLL)			18/23
		KRLGZ32XV(GLL)			18/24
		KRLGZ32XAV(GLL)			18/23
2 Seater		KRLZ32XSU(GLL)	2	40.8 kg (90 lbs)	18/24
		KRLZ32XASU(GLL)			18/23
		KRLZ32XSV(GLL)			18/24
		KRLZ32XASV(GLL)			18/23
CONVERTIBLE		CRLZ32JU	2	40.8 kg (90 lbs)	18/24
		CRLZ32JAU			18/23
		CRLZ32JV			18/24
		CRLZ32JAV			18/23

*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		VG30DE	VG30DE	VG30DETT	VG30DETT
	Displacement Liters (in³)		2.960	2.960	2.960	2.960
	Induction system (FI, Carb, etc.)		EFI	EFI	EFI	EFI
	Compression ratio		10.5	10.5	8.5	8.5
	SAE Net at RPM	Power kW(bhp)	166 / 6400	166 / 6400	224 / 6400	209 / 6400
		Torque N • m(lb. ft.)	198 / 4800	198 / 4800	283 / 3600	283 / 3600
Exhaust single, dual		Dual	Dual	Dual	Dual	
T R A N S	Transmission / Transaxle		RS5R30A	RE4R01A	RS5R30A	RE4R03A
	Effective Final Drive/ Axle Ratio (std.first)		4.083	4.083	3.692	3.692

Series Availability		Power Teams(A - B - C - D)	
Model	Code	Standard	Optional
RLZ32JU (GL)		A	—
KRLZ32XU (GLL)		A	—
KRLZ32XAU (GLL)		B	—
RLZ32JV (GL)		A	—
KRLZ32XV (GLL)		A	—
KRLZ32XAV (GLL)		B	—
KRLGZ32XU (GLL)		A	—
KRLGZ32XAU (GLL)		B	—
KRLGZ32XV (GLL)		A	—
KRLGZ32XAV (GLL)		B	—
KRLZ32XSU (GLL)		C	—
KRLZ32XASU (GLL)		D	—
KRLZ32XSV (GLL)		C	—
KRLZ32XASV (GLL)		D	—
CRLZ32JU		A	—
CRLZ32JAU		B	—
CRLZ32JV		A	—
CRLZ32JAV		B	—

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Engine Description
Engine Code

VG30DE

VG30DETT

ENGINE - GENERAL

Type & description(inline,V, angle, flat,location,front,mid,rear, transverse,longitudinal,sohc,dohc, ohv,hemi,wedge,pre-chamber,etc.)	V6, 60° Front Longitudinal DOHC	
Manufacturer	NISSAN	
No. of cylinders	6	
Bore	87 mm	
Stroke	83 mm	
Bore spacing (C / L to C / L)	108 mm	
Cylinder block material & mass kg(lbs.)(machined)	Cast Iron 55.5 kg	
Cylinder block deck height	227.65 mm	
Cylinder block length	390 mm	
Deck clearance (minimum) (above or below block)	0.0 mm	
Cylinder head material & mass kg (lbs.)	Aluminum Alloy (RH : 12.7 , LH : 13.3 kg)	
Cylinder head volume cm ³ (inches ³)	48.1cm ³	
Cylinder liner material	N. A.	
Head gasket thickness (compressed)	1.2 mm	
Minimum combustion chamber total volume cm ³ (inches ³)	52.0 cm ³	69.7 cm ³
Cyl.no.system	L.Bank	2 - 4 - 6
(front to rear) * R.Bank		1 - 3 - 5
Firing order	1 - 2 - 3 - 4 - 5 - 6	
Intake manifold material & mass kg(lbs.)**	Aluminum Alloy 3.0 kg	
Exhaust manifold material & mass kg(lbs.)**	Stainless Steel RH 5.1 kg , LH 5.0 kg	Cast Iron RH 3.3 kg , LH 3.1 kg
Knock sensor (number & location)	1 (Between V bank at Cylinder Block)	
Fuel required unleaded, diesel,etc.	Unleaded	
Fuel antiknock index (R + M) + 2	No less than 91	
Engine mounts	Quantity	3
	Material and type(elastomeric, hydroelastic,hydraulic damper,etc.)	2 Hydroelastic 1 Elastomeric
	Added isolation (sub-frame, crossmember,etc.)	Rear Member
Total dressed engine mass(Wt)dry***	220kg (M/T) 202 kg (A/T)	247 kg (M/T) 229 kg (A/T)

Engine - Pistons

Material & mass, g (weight,oz.) - piston only	Aluminum Alloy 398 g	Aluminum Alloy 380 g
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Engine - Camshaft

Location	Cylinder Head
Material & mass kg(weight,lbs)	Cast Iron RH 1.9 kg , LH 2.1 kg
Drive type	Chain / belt
Width / pitch	31.75 mm / 8.000 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 :

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Engine - Valve System

Hydraulic lifters(std. opt.n.a.)		Std.
Valves	Number intake / exhaust	2 / 2
	Head O.D. intake / exhaust	34 mm / 29.5 mm

Engine - Connecting Rods

Material & mass kg..(weight.lbs)*	Steel 0.719 kg
Length(axes C / L to C / L)	154.15 mm

Engine - Crankshaft

Material & mass kg..(weight.lbs)*		Cast Iron 18.5 kg
End thrust taken by bearing (no.)		No. 4
Lenght & number of main bearings		502 mm, 4
Seal(material,one,two piece design,etc.)	Front	Acryl Rubber One Piece
	Rear	Flouric Rubber + Acryl Rubber One Piece

Engine - Lubrication System

Normal oil pressure kPa (Psi) at engine rpm	490 kpa at 2000 rpm	588 kpa at 2000 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.)	4.3 l	

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.	Garrett Turbo Inc.
Super charger - manufacturer	N. A.	N.A.
Intercooler	N. A.	Applicable

*Finished State

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VG30DE

VG30DETT

Engine - Cooling System

Coolant recovery system (std.,opt.,n.a.)		Std.	
Coolant fill location (rad.,bottle)		Rad.	
Radiator cap relief valve pressure kPa(psi)		1.2 ± 0.1 kg / cm ²	
Circulation thermostat	Type (choke,bypass)	Bypass	
	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 Integral Permanently Sealed	
	Impeller material	Steel	
	Housing material	Aluminum Alloy	
By - pass recirculation type (inter.,ext.)		External	
Cooling system capacity	With heater - L (qt.)	10.0	
	With air conditioner - L (qt.)	N.A.	
	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)		No	
Radiator core	Std., A / C, HD	Std.	
	Type (cross - flow,etc.)	Vertical Flow Tube and Corrugated Fin	Cross Flow and Corrugated Fin
	Construction(fin & tube mechanical,braze,etc.)	Fin & Tube : Aluminum	
	Material,mass kg (wgt.,lbs)	2.9 kg	3.1 kg
	Width	691 mm	500 mm
	Height	400 mm	460 mm
	Thickness	16 mm	25 mm
	Fins per inch	23.0	16.9
	Radiator end tank material	Resin	
Fan	Std., elec.,opt.	Std.	
	Number of blades & type (flex,solid,material)	7 Solid Type	
	Number & location (front, rear of radiator)		
	Diameter & projected width	450 mm	
	Ratio(fan to crankshaft rev.)	1.25	1.35
	Fan cutout type	Temperature Controlled Hydraulic Coupling	
	Drive type(direct,remote)	Belt Drive	
	RPM at idle (elec.)		
	Motor rating (wattage / elec.)	110 W	160 W
	Motor switch (type & location / elec.)	Thermistor, On the Top of Water Inlet Housing	
	Switch point (temp./pressure/elec.)	A/C Off : 105°C, A/C On : 95°C	A/C Off : 105°C, A/C On : 90°C(110W) 100°C(160W)
	Fan shroud (material)	Resin	

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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		13.2	
Fuel injection	Point of injection(no.)	6	
	Constant, pulse, flow	Pulse	
	Control(electronic, mech.)	Electronic	
	System pressure kPa(psi)	299 ± 3.9 kpa (Except Hot Restart Time)	
Idle spd. -rpm (spec. neutral or drive and propane if used)	Manual	700	700
	Automatic	770	750
Intake manifold heat control(exhaust or water thermostatic or fixed)		N. A.	
Air cleaner type		Paper Element	
Fuel filter (type / location)		Paper Element / ENG Room	
Fuel pump	Type (elec. or mech.)	Elec.	
	Location(eng., tank)	In Tank	
	Pressure range kPa(psi)	299 Kpa	
	Flow rate at regulated pressure L(gal)/hr @ kPa (psi)	115 L/hr at 299 Kpa	195 L/hr at 299 Kpa

Fuel Tank

Capacity refill L (gallons)		72 L (19.0 gallons)	
Location (describe)		2 Seater : Under the Rear Floor & Front of Rear Axle 2+2 : Under the Rear Floor	
Attachment		Band Support	
Material & Mass kg(weight lbs.)		Tin-Lead Coat Steel 2 Seater : 12.1 kg 2+2 Seater : 10.7 kg	
Filler pipe	Location & material	Left Rear Fender, Steel	
	Connection to tank	Steel Flange	
Fuel line (material)		Steel	
Fuel hose (material)		Rubber	
Return line (material)		Steel	
Vapor line(material)		Steel	
Extended range tank	Opt., n.a.	N.A.	
	Capacity L (gallons)	N.A.	
	Location & material	N.A.	
	Attachment	N.A.	
Auxiliary tank	Opt., n.a.	N.A.	
	Capacity L (gallons)	N.A.	
	Location & material	N.A.	
	Attachment	N.A.	
	Selector switch or valve	N.A.	
	Separate fill	N.A.	

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2 SEATER / CONVERTIBLE		2+2 SEATER		2 SEATER	
5M/T	4A/T	5M/T	4A/T	5M/T	4A/T

Vehicle Emission Control

Vehicle Emission Control					
Exhaust Emission Control	Type(air injection,engine modifications, other)		SFI / EGR / TWC / H02S		SFI / EGR / TWC / H02S / TC / CAC / WUTWC
	Air Injection	Pump or pulse	N.A.		
		Driven by	N.A.		
		Air distribution (head,manifold,etc.)	N.A.		
		Point of entry	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	2	4	
		Location(s)	Under Floor		Engine Room & Under Floor
		Volume L (in ³)	M/T 1.5 L A/T 1.3 L		* 3
		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)		To Intake Manifold		
	Air inlet (breather cap,other)		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)		NO		

Engine-Exhaust system

Type(single, single with cross-over, dual,other)		Dual with Twin Conveter				
Muffler no. & type (reverse flow, straight thru, separate resonator)Material & Mass kg (weight lbs)		* 1				
		Stainless Steel 19.8 kg	Stainless Steel 21.6 kg		Stainless Steel 17.1 kg	
Resonator no. & type		None				
Exhaust pipe	Branch o.d., wall thickness	None				
	Main o.d., wall thickness	φ 54, t 1.5				
	Material & Mass kg (weight lbs)	* 2 12.8kg	* 2 12.6kg	* 2 12.8kg	* 2 12.6kg	* 2 11.0kg
Inter- mediate pipe	o.d. & wall thickness	φ 50.8, t 1.5				φ 54, t 1.5
	Material & Mass kg (weight lbs)	Stainless Steel 4.1 kg		Stainless Steel 4.6 kg		Stainless Steel 4.6 kg
Tail pipe	o.d., & wall thickness	φ 38.1, t 1.2 Quad Pipe				
	Material & Mass kg (weight lbs)	Stainless Steel				

*1 : 3. One Pre Muffler and Two Main Mufflers, Pre Muffler :
Straight Thru Main Muffler : Reverse Flow with Resonator

*2 : Stainless Steel

*3 : Pre Cat Right Side 0.4 L Left Side 0.5 L Main Cat 1.3 L

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Engine Code

VG30DE

VG30DETT

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
Gear rations	1st	3.214
	2nd	1.925
	3rd	1.302
	4th	1.000
	5th	0.752
	6th	N.A.
	Reverse	3.369
Synchronous meshing(specify gears)		1, 2, 3, 4, 5
Shift lever location		Floor Mounted
Trans.case mat'l. & mass kg(lbs)*		Aluminum Alloy 53
Lubricant	Capacity L (pt)	2.8 L
	Type recommended	NISSAN GEAR OIL (HQ MULTI)

Clutch (Manual Transmission)

Clutch manufacturer		UNISIA JECS
Clutch type(dry,wet;single,multiple disc)		Dry Single Disc
Linkage(hydraulic,cable,rod,lever,other)		Hydraulic
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)		580 kg 800 kg
Clutch facing	Facing mfr.& material coding	NISSHINBO G110
	Facing material & construction	Non Asbestos
	Rivets per facing	16
	Outside x inside dia.(nominal)	240 x 160
	Total eff.area cm ² (in. ²)	251 cm ² 290 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 Spring
	Release bearing type & method lub.	Ball Bearing Sealed Type
Torsional damping method, springs,hysteresis		Coil Spring and Friction Washers

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

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Engine Code

VG30DE	VG30DETT
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Automatic Transmission/Transaxle

Trade Name		Full Range EAT (RE4R01A)	Full Range EAT (RE4R03A)
Type and special features(describe)		4 Speed with Lock Up Torque Converter, Electronic Control	
Shift mechanics		Electronic Control	
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	2.785	2.784
	2nd	1.545	1.544
	3rd	1.000	1.000
	4th	0.694	0.694
	Reverse	2.272	2.275
	Final drive ratio	4.083	3.692
Max. upshift vehicle speed - drive range km/h(mph)		171	188
Max. upshift engine speed RPM		6410	6520
Max.kickdown speed - drive range km/h(mph)		165	182
Min.overdrive speed km.h(mph)		63 (39)	
Torque converter	Type	3 element 1stage 2phase Torque Converter	
	Torus design	Flat Type	
	Number of elements	3	
	Max. ratio at stall	2.0 : 1	
	Type of cooling (air,liquid)	Liquid	
	Nominal diameter	250	
	Capacity factor "K"		
Pump type		Variable displacement Vane Pump	
Lubricant	Capacity refill L (Pt.)	8.3	8.3
	Type recommended	NISSAN MATIC FLUID 'D'	
Oil cooler (std.,opt., N.A.,internal,external,air,liquid)		Std, Liquid	
Transmission mass kg (lbs) & case material** DRY		Aluminum Alloy 75	Aluminum Alloy 91
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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VG30DETT

Axle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio (or overall top gear ratio)		4.083	3.692
Ring gear o.d.		205	230
No. of teeth	Pinion	12	13
	Ring gear	49	48

Rear Axle Unit

Description		Independent Suspension	
Limited slip differential(type)		Std. (Viscous)	
Drive pinion	Type	Hypoid	
	Offset	35	
No. of differential pinions		4	
Pinion / differential	Adjustment (shim, etc)	Shim	
	Bearing adjustment	Solid Spacer	Collapsible Spacer
Driving wheel bearing (type)			
Lubricant	Capacity L (pt.)	1.3	1.8
	Type recommended	API GL-5	
		80W-90	

Propeller Shaft-Rear Wheel Drive

Manufacturer			Straight Tube	
Type (straight tube,tube-in-tube, internal-external damper,etc.)				
Outer diam X length" X wall thickness	Manual 4-speed transmission		N.A.	
	Manual 5-speed transmission		2 Seat 75 × 606 × 1.6 + 75 × 419 × 1.6 2+2 Seat 75 × 606 × 1.6 + 75 × 539 × 1.6	82.6 × 606 × 2.0 + 75.2 × 388 × 2.6
	Manual 6-speed transmission		N.A.	
	Overdrive		N.A.	
	Automatic transmission		2 Seat 75 × 510 × 1.6 + 75 × 419 × 1.6 2+2 Seat 75 × 510 × 1.6 + 75 × 539 × 1.6	82.6 × 489 × 2.0 + 75.2 × 388 × 2.6
Inter-mediate bearing	Type(plain,anti-friction)		Ball Bearing	
	Lubrication(fitting,prepack)		Prepack	
Slip yoke	Type		Slidingspline	
	Number of teeth		30 (M/T) 26 (A/T)	30
	Spline o.d.		32 (M/T) 28 (A/T)	32
Universal joints	Make and mfg. no.	Front	UNISIA JECS	
		Rear	UNISIA JECS	
	Number used		3	
	Type(ball and trunnion, cross)		Cross	Cross, C. V. J. (3rd Joint)
	Rear attach (u-bolt, clamp,etc)		Clamp	
	Bearing	Type (plain, anti-friction)	Anti - Friction	
		Lubrication (fitting,prepack)	Prepack	
Drive taken through (torque tube, arms or springs)				
Touque taken through(torque tube, arms or springs)				

*Centerline to centerline of universal joints, or to enterline of rear attachment.

MVMA Specifications

Vehicle Line **NISSAN 300ZX**

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

METRIC(U.S.Customary)

Engine Description

Engine Code

VG30DE			VG30DETT
2 Seater	CONVERTIBLE	2+2 Seater	2 Seater

Suspension - General Including Electronic Controls

Car leveling	Standard /optional/not avail	N. A.	N. A.	N. A.
	Manual/automatic control			
	Type (air/hydraulic)			
	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	N. A.	N. A.	Standard
	Manual/automatic control			Manual
	Number of damping rates			2
	Type of actuation(manual/electric motor /air,etc)			Electric Motor
	sensors	Lateral acceleration		N. A.
		Deceleration		N. A.
		Acceleration		N. A.
		Road surface		N. A.
Shock absorber (front & rear)	Type	Direct Double Acting Hydraulic		
	Make	TOKICO / KYB	TOKICO / KYB	TOKICO / KYB
	Piston diameter	FR : ϕ 25 RR : ϕ 30	FR : ϕ 25 RR : ϕ 30	FR : ϕ 30 RR : ϕ 30
	Rod diameter	FR : ϕ 12.5 RR : ϕ 12.5	FR : ϕ 12.5 RR : ϕ 12.5	FR : ϕ 14.0 RR : ϕ 14.0

Suspension - Front

Type and description		Independent Multi-Link Type		
Travel	Full jounce (define load condition)	80		
	Full rebound	100		
Spring	Type(coil,leaf,other & material)	Coil Spring Steel		
	Insulators(type & material)	Rubber Insulator Type		
	Size(Leaf length & width;Coil:design height & i.d; Bar:length & diameter)	360X ϕ 90	370X ϕ 90	370X ϕ 90
	Spring rate [N/mm(lb./in.)]	3.0 kg / mm	2.8 kg / mm	3.0 kg / mm
	Rate at wheel [N/mm(lb./in.)]	2.78 kg / mm	2.6 kg / mm	2.78 kg / mm
Stabilizer	Type(link,linkless,frameless)	Link	Link	Link
	Material & O.D.bar/tube,wall thickness	High Carbon Steel ϕ 27.2 14.0	*1 ϕ 28.6 14.5	*1 ϕ 27.2 14.0

Suspension - Rear

Type and description		Independent Multi-Link Type		
Travel	Full jounce (define load condition)	100		
	Full rebound	100		
Spring	Type (coil,leaf,other & material)	Coil Spring Steel		
	Size (Leaf : length & width: Coil: design height & i.d.: Bar : length & diameter)	370X ϕ 90	380X ϕ 90	370X ϕ 90
	Spring rate [N/mm(lb./in.)]	2.2 kg / mm	2.2 kg / mm	2.4 kg / mm
	Rate at wheel [N/mm (lb./in.)]	2.9 kg / mm	2.9 kg / mm	3.1 kg / mm
	Insulators (type & material)	Rubber Insulation Type		
	If leaf	No. of leaves	N. A.	N. A.
		Shackle(comp.or tens.)	N. A.	N. A.
Stabilizer	Type (link,linkless,frameless)	Link	Link	Link
	Material & O.D.bar/tube,wall thickness	*1 ϕ 15.9 11.8	*1 ϕ 21 12.6	*1 ϕ 25.4 13.0
Track bar(Type)		N. A.	N. A.	N. A.

*1 : High Carbon Steel

MVMA Specifications

METRIC(U.S.Customary)

Model Code/Description And/Or
Engine Code/Description

Vehicle Line **NISSAN 300ZX**
Model Year '94 Issued '93-9 Revised(-)

ALL MODELS

Brakes - Service

Description				
Manufacturer and		Front (disc or drum)	DISC : Std.	
brake type(std., opt.,n.a.)		Rear (disc or drum)	DISC : Std.	
Valving type (proportion, delay, metering,other)			Rear : Proportioning	
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)		192.2	
	Pump-type (elec,gear driven,belt driven)		N. A.	
Traction assist	Operational speed range		N. A.	
	Type(engine or brake intervention)		N. A.	
Anti-lock device	Front / rear (std., opt.,n.a.)		Std.	
	Manufacturer		NIPPON ABS, LTD	
	Type (electronic,mech.)		Electronic	
	Number sensors or circuits		4 sensors	
	Number anti-lock hydraulic circuits		3 Channel	
	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)*			Front : 200, Rear : 96	
Gross Lining area cm ² (in. ²)**(F/R)			Front : 200, Rear : 96	
Swept area cm ² (in. ²)*** (F/R)			Front : 1433, Rear : 1186	
Rotor	Outer working diameter	F / R	Front : 278, Rear : 295	
	Inner working diameter	F / R	Front : 178, Rear : 222	
	Thickness	F / R	Front : 30, Rear : 18	
	Material & type (vented/solid)	F / R	Front : Cast Iron (Vented), Rear : Cast Iron (Vented)	
Drum	Diameter & width	F / R	N. A.	
	Type and material	F / R	N. A.	
Wheel cylinder bore			Front : 40.45X4, Rear : 31.18X2	
Master cylinder	Bore/stroke	F / R	25.40 / 31	
Pedal arc ratio			3.8	
Line pressure at 445 N(100 lb.) pedal load (kPa(pai))			11.96 MPa (122 kgf / cm ²)	
Lining clearance			Front : No Major Adjustment Required, Rear : No Major Adjustment Required	
Brake lining	Front wheel	Bonded or riveted(rivets/ seg.)		Bonded
		Rivet size		N. A.
		Manufacturer		SUMITOMO
		Lining code*****		M9017
		Material		Molded Semi Metallic
		****	Primary or out - board	116X50.0X10.0
		Size	Secondary or in-board	116X50.0X10.0
		Shoe thickness (no lining)		4.5
	Rear wheel	Bonded or riveted (rivets/seg)		Bonded
		Manufacturer		SUMITOMO
		Lining code*****		SUMITOMO SP12 FF
		Material		Molded Semi Metallic
		****	Primary or out-board	71.8X36.5X11.5
		Size	Secondary or in-board	71.8X36.5X11.5
		Shoe thickness (no lining)		4.5

* 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 braked 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 for formulation designation and coefficient of friction classification.

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Engine Code/Description

Vehicle Line NISSAN 300ZX
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VG30DE		VG30DETT
2Seater / CONVERTIBLE	2 + 2 Seater	2Seater

Tires And Wheels (Standard)

Tires	Size(Service description)		P225 / 50 R16 91V	P225 / 50 R16 91V	FR : 225/50 ZR16, RR : 245/45 ZR16
	Type(bias,radial,steel,nylon,etc)		Radial	Radial	Radial
	Inflation pressure(cold)for recommended max.vehicle load	Front kPa (psi)	230 KPa (33 psi)	230 KPa (33 psi)	230 KPa (33 psi)
		Rear kPa (psi)	250 KPa (36 psi)	250 KPa (36 psi)	250 KPa (36 psi)
	Rev./mile-at 70km/h(45 mph)		605 rpm	605 rpm	FR : 605 rpm, RR : 610 rpm
Wheels	Type & material		Aluminum Casting	Aluminum Casting	Aluminum Casting
	Rim (size & flange type)		16X7 - 1/2 - JJ	16X7 - 1/2 - JJ	FR:16X7 1/2JJ, RR:16X8 1/2JJ
	Wheel offset		45	45	FR 45, RR 35
	Attachment	Type (bolt or stud & nut)	Stud	Stud	Stud
		Circle diameter	114.3	114.3	114.3
		Number & size	M12X1.25, SHEX NUTS	M12X1.25, SHEX NUTS	M12X1.25, SHEX NUTS
Spare	Tire and wheel		165 / 80D15 15X5 - J	T125 / 90D16 16X4T	165 / 80D15 15X5 - J
	Storage position & location (describe)				

Tires And Wheels (Optional)

Tire size (service description)	N. A.
Type(bias,radial,steel,nylon,etc)	N. A.
Wheel(type & material)	N. A.
Rim (size,flange type and offset)	N. A.
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 Type Hand Operation
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 300ZX

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

METRIC(U.S.Customary)

Model Code/Description And/Or
Engine Code/Description

2 SEATER/CONVERTIBLE

2+2 SEATER

Steering

Manual (std., opt., n.a.)			N. A.	
Power(std.,opt.,n.a.)			Std.	
Speed-sensitive(std.,opt.,n.a.)			Std.	
4-wheel steering(std.,opt.,n.a.)			Std. (Only Turbo Model)	
Adjustable steering wheel/column (tilt,telescope,other)	Type	N.A.		
	Manufacturer	Fuji Kiko		
	(std.,opt.,n.a.)	N.A.		
Wheel diameter** (W9) SAE J1100	Manual	N. A.		
	Power	Std. ϕ 380 (AIR BAG)		
Turning diameter m (ft.)	Outside front	Wall to wall(l. & r.)	—	
		Curb to curb(l. & r.)	10.8	11.2
	Inside rear	Wall to wall (l. & r.)	—	
		Curb to curb(l. & r.)	—	
Scrub Radius*			0	
Manual	Gear	Type	—	
		Manufacturer	—	
		Ratios	Gear	—
			Overall	—
	No. wheel turns(stop to stop)		—	
Power	Type (coaxial,elec.,hyd.,etc)		Integral Gear & Power Piston with Vane Type Pump	
	Manufacturer		UNISIA JECS	
	Gear	Type	Rack & Pinion	
		Ratios	Gear	∞
			Overall	14.8 (T/C), 16.9 (N/A)
	Pump(drive)		Belt from Crank-Shaft Pulley	
	No.wheel turns (stop to stop)		2.4(T/C), 2.7 (N/A)	
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	Radial Ball Bearing	
		Lower	Ball Joint	
		Thrust	None	
Steering spindle / knuckle & joint type			Multi Link Ball Joint Type	

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

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Vehicle Line NISSAN 300ZX
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METRIC(U.S.Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL Models

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	9° 45' ±45'
		Camber(deg.)	-0° 50' ±45'
		Toe-in outside track-mm(in.)	1±1 (mm)
	Service reset*	Caster (deg.)	9° 45' ±45'
		Camber(deg.)	-0° 50' ±45'
		Toe-in-mm(in.)	1±1 (mm)
	Periodic M.V. in-spection	Caster (deg.)	9° 45' ±45'
		Camber(deg.)	-0° 50' ±45'
		Toe-in-mm(in.)	1±1 (mm)
Rear wheel at curb mass (wt.)	Service checking	Camber(deg.)	-1° 05' ±30'
		Toe-in outside track-mm (in.)	2±2 (mm)
	Service reset*	Camber(deg.)	-1° 05' ±30'
		Toe-in-mm(in.)	2±2 (mm)
	Periodic M.V.in-spection	Camber(deg.)	-1° 05' ±30'
		Toe-in-mm(in.)	2±2 (mm)

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

Electrical - Instruments and Equipment

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	—
EGR maintenance indicator			N.A.
Charge indicator	Type		None
	Warning device (light,audible)		Light
Temperature indicator	Type		Gauge
	Warning device (light,audible)		None
Oil pressure indicator	Type		Gauge
	Warning device (light,audible)		None
Fuel indicator	Type		Gauge
	Warning device (light,audible)		Light
Wind-shield wiper	Type(standard)		Electric 2 Speed with Interval
	Type(optional)		N. A.
	Blade length		525 mm
	Swept area cm ² (in ²)		7169 cm ²
Wind-shield washer	Type (standard)		Electric
	Type(optional)		N. A.
	Fluid level indicator (light, audible)		Level Sensor
Rear window wiper, wiper/washer (std., opt., n.a.)			2 seater, 2+2 seater : Std. CONV : None
Horn	Type		Vibrator
	Number used		2
Other			

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METRIC(U.S.Customary)

Vehicle Line **NISSAN 300ZX**

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Engine Code/Description

VG30DE		VG30DETT
2 Seater / 2+2 Seater	CONVERTIBLE	

Electrical - Supply System

Battery	Manufacturer	Shin-kobe, Matsushita, Yuasa, Furukawa, Japan-Storage				
	Model, std., (opt)	65D26L(M/T) , 80D26L(A/T)	55D23L	65D26L (M/T) 80D26L (A/T)	65D26L(M/T) , 80D26L(A/T)	
	Voltage	12V				
	Amps at 0° F cold crank	413 (M/T) , 582 (A/T)	356	413 (M/T) 582 (A/T)	413 (M/T) , 582 (A/T)	
	Minutes-reserve capacity	113 (M/T) , 133 (A/T)	99	113 (M/T) 133 (A/T)	113 (M/T) , 133 (A/T)	
	Amps/hrs.-20 hr.rate	65	60	65	65	
	Location	Right Side Rear of Engine Conpartment				
Alternator	Manufacturer	HITACHI			MITSUBISHI	
	Rating (idle/max.rpm)	80A			90A	
	Ratio (alt. crank/rev)	2.43				
	Output at idle (rpm,park)	38 A				
	Optional (type & rating)	N.A.				
Regulator	Type	IC Regulator				

Electrical - Starting System

Motor	Manufacturer	MITSUBISHI
	Current drain °C(° F)	N.A.
	Power rating kw (hp)	1.4 KW
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	Manufacturer	Hanshin
	Model	MCP - 400 MCP - 401
	Current	Engine stopped - A 0 A
		Engine Idling - A 0.5 A
Spark Plug	Manufacturer	NGK
	Model	PFR 6B - 11 PFR 5B - 11B
	Thread (mm)	14 mm
	Tightening torque N - m (lb.ft)	20 - 29 Nm
	Gap	1.0 to 1.1 mm
	Number per cylinder	1
Distributor	manufacturer	N.A.
	Model	N.A.

Electrical - Suppression

Locations & type	Resistance Type Spark Plugs
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MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line NISSAN 300ZX
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Model Code/Description

2 Seater

2+2 Seater

CONVERTIBLE

Body

Structure

Monocoque Body

Bumper system
front - rear

Impact Shock Absorbing Bumper

Anti-corrosion treatment

Surface Treatment Steel Seat
Anti Corosion Sealand
Anti Corosion Wax

Body- Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic Lacquer		
Hood	Material & mass	Aluminum 8.0kg		
	Hinge location (front, rear)	Rear		
	Type (counterbalance, prop)	Prop		
	Release control (internal, external)	Internal		
Trunk lid	Material & mass	N. A.		Aluminum (6 kg)
	Type (counterbalance, other)	N. A.		Counter balance
	Internal release control (elec., mech., n.a.)	N. A.		elec & mech
Hatch- back lid	Material & mass	Steel 17.3 kg	Steel 19.1 kg	N. A.
	Type (counterbalance, other)	Counterbalance		N. A.
	Internal release control (elec., mech., n.a.)	Mech & elec		N. A.
Tailgate	Material & mass	N. A.		
	Type (drop, lift, door)	N. A.		
	Internal release control (elec., mech., n.a.)	N. A.		
Vent window control (crank, friction, pivot, power)		Front	N. A.	
		Rear	N. A.	
Window regulator type (cable, tape, flex drive, etc)		Front	X Arm Type	
		Rear	N. A.	
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc)		Front	Spring + Urethane Foam	
		Rear	N. A.	Urethane Foam N. A.
		3rd seat	N. A.	
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc)		Front	Spring + Urethane Foam	
		Rear	N. A.	Urethane Foam N. A.
		3rd seat	N. A.	

Frame

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

N. A.

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Model Code/Description

Model Code/Description			2 Seater	2+2 Seater	CONVERTIBLE
Restraint System					
Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt lap belt,etc.)	First seat	3 points with Retractor	N.A.	3 points with Retractor (A-ELR)
		Second seat	3 Points with Retractor(A-ELR)(2+2)	N.A.	3 Points with Retractor(A-ELR)(2+2)
		Third seat	N.A.	N.A.	N.A.
	Standard / optional				
Passive	Type & description (air bag,motorized-2-point belt,fixed belt, knee bolster,manual-lap belt)	First seat	N.A.	N.A.	N.A.
		Second seat	N.A.	N.A.	N.A.
		Third seat	N.A.	N.A.	N.A.
	Standard / optional				
Glass		SAE Ref.No.			
Windshield glass exposed surface area cm ² (in ²)		S1	10275 cm ²		
Side glass exposed surface area cm ² (in ²)-total 2-sides		S2	8888 cm ²	9580 cm ²	8888 cm ²
Backlight glass exposed surface area cm ² (in ²)		S3	9938 cm ²	11774 cm ²	3425 cm ²
Total glass exposed surface area cm ² (in ²)		S4	29101 cm ²	31629 cm ²	22588 cm ²
Windshield glass(type/thickness)			4.7		
Side glass (type/thickness)			4.0		
Backlight glass (type/thickness)			3.1		PVC 11.0
Tinted(yes/no,location)			YES		
Solar control(yes / no, coated/batched,location)			N. A.		

Headlamps

Description(sealed beam, halogen,replaceable bulb,etc)	Replaceable Bulb
Shape	Proper Shape
Lo-beam type(2A1,2B1, 2C1,etc)	HB4
Quantity	2
Hi-beam type(1A1,2A1,1C1, 2C1,etc)	HB3
Quantity	2

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Vehicle Line NISSAN 300ZX

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

Engine Code/Description

ALL Models

Climate Control System

Air conditioning (std.,opt.,man.,auto)

Condenser	Type	PARARELL FLOW	
	Eff. face area (sq. mm.)	NA : 192285	T/C : 158344
	Fins per inch	NA : 16.9	T/C : 14.1
Evaporator	Type	SERPENTINE	
	Eff. face area (sq. mm.)	55224	
	Fins per inch	14.1	
Heater core	Material	AL	
	Eff. face area (sq. mm.)	29184	
	Fins per inch	28.2	
Compressor	Type	SWASHPLATE	
	Displacement(cc.)	167	
	Manufacturer	ZEXEL	
Accumulator	A/C pulley ratio	1.09	
	Type	N/A	
	Height (mm.)	—	
Receiver	Diameter(mm.)	—	
	Type	T - FLOW	
	Height (mm.)	175	
Refrigerant control (CCOT,TVS,etc)	Diameter(mm.)	60.5	
	Refrigerant (R - 12, R-134a,etc)	MANUAL A/C : EXPANSION VALVE AUTO A/C : EXPANSION VALVE	
	Heater water valve(yes/no)	YES	
Charge level (lbs.-oz)	Refrigerant (R - 12, R-134a,etc)	HFC - 134 a	
	Cold engine lockout switch (yes / no)		
	Wide open throttle cutout switch (yes / no)		

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Model Code/Description

ALL Models

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

	Clock (digital,analog)	Digital
	Compass / thermometer	N. A.
	Console (floor,overhead)	Floor
	Defroster, electric windshield	None
	Defroster,electric, backlight	Defroster Std.
Electronic	Diagnostic monitor (integrated,individual)	Individual
	Instrument cluster (list instruments)	None
	Keyless entry	None
	Tripminder (avg.spd.,fuel)	None
	Voice alert (list items)	None
	Other	None
	Fuel door lock (remote,key,electric)	2 Seater, 2+2 Seater : Remote Conv. : Electric
Lamps	Auto head on / off delay,dimming	N. A.
	Cornering	None
	Courtesy (map,reading)	Std.
	Door lock,ignition	Std.
	Engine compartment	N. A.
	Fog	FR : Std. RR : None
	Glove compartment	Std.
	Trunk	2 Seater : None, 2+2 Seater : Std. Conv. : Std.
	Illuminated entry system (list lamps,activation)	Std.
	Other	N. A.
Mirrors	Day / night (auto.man.)	Man
	L.H.(remote,power,heated)	Remote : Std. Heated : Std.
	R.H.(convex,remote,power,heated)	Convex Remote : Std. Heated : Std.
	Visor vanity (RH / LH,illuminated)	R.H
	Navigation system(describe)	N. A.
	Parking brake-auto release (warning light)	N. A.

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Line **NISSAN 300ZX**
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Model Code/Description

2 Seater , 2+2 Seater

CONVERTIBLE

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

Power equipment	Deck lid(release,pull down)		N.A.	
	Door locks (manual,automatic, describe system)		Automatic	
	Seats	2 - 4 - 8 way,etc.	4 way opt.	
		Reclining (R.H.,L.H.)	L.H	
		Memory (R.H.,L.H.,preset recline)	N.A.	
		Support(lumbar,hip,thigh,etc)	Lifter	
		Heated (R.H.,L.H.,other)	N.A.	
	Side windows		Std.	
	Vent windows		N.A.	
	Rear windows		N.A.	
Radio systems	Antenna(location,whip,w /shield,power)		Power : Std, Rear Fender & Rear Glass	Power : Std, Rear Fender & Front Glass
	Standard	AM,FM,stereo,tape, compact disc,graphic equalizer, theft deterrent,radio prep package, headphone jacks,etc.	AM / FM with Cassette	
	Optional			
	Speaker (number,location)		FR 2 RR 2	FR2
	Roof : open air or fixed(flip-up,sliding,"T")		VG30DE GL : Fixed Roof, Others : T - Roof	Folding Roof
Speed control device		Std.		
Speed warning device(light,buzzer,etc)		N.A.		
Tachometer(rpm)		Std.		
Telephone system (describe)		N.A.		
Theft deterrent system		Std.		

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 300ZX**

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.

2 SEATER

CONV

2 + 2 SEATER

Width

Tread(front)	W101	1495		
Tread (rear)	W102	1535(VG30DE) 1555(VG30DETT)		
Vehicle width	W103	1790		1800
Body width at Sq RP (front)	W117	1766		
Vehicle width (front doors open)	W120	3993		
Vehicle width (rear doors open)	W121	N.A.		
Tumble-home (degrees)	W122	32° 30'		32° 42'
Outside mirror width	W410	2018		

Length

Wheelbase	L101	2450		2570
Vehicle length	L103	4305		4520
Overhang(front)	L104	915		
Overhang(rear)	L105	940		1035
Upper structure length	L123	2434	2085	2618
Rear wheel C/L "X"coordinate	L127	2450		2570

Height*

Passenger distribution(front/rear)	PD1,2,3	2		2 / 2
Trunk / cargo load		90 lbs		
Vehicle height	H101	1226 1230(T-BAR Roof)	1236	1221
Cowl point to ground	H114	852		844
Deck point to ground	H138	951	952	928
Rocker panel-front to ground	H112	154		146
Rocker panel-rear to ground	H111	141		122
Windshield slope angle(degrees)	H122	62° 24'		
Backlight slope angle (degrees)	H121	75° 30'	63° 54'	76° 6'

Ground Clearance*

Front bumper to ground	H102	167		
Rear bumper to ground	H104	272		244
Bumper to ground front at curb mass(wt.)	H103	171		173
Bumper to ground rear at curb mass(wt.)	H105	303		301
Angle of approach(degrees)	H106	11° 44'		11° 46'
Angle of departure (degrees)	H107	16° 41'		13° 38'
Ramp breakover angle(degrees)	H147	10° 59'		9° 16'
Axle differential to ground (front/rear)	H153	Rear 181 171(Turbo Models)		159
Min.running ground clearance	H156	115		101
Location of min.run.grd.clear.		Heat Insulator of Catalyzer		

*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

Vehicle Line **NISSAN 300ZX**

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

METRIC(U.S.Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

2 SEATER

CONV

2 + 2 SEATER

	SAE Ref. No.			
Front Compartment				
SgRP front,"X" coordinate	L31	1614		
Effective head room	H61	939	935 (T-BAR Roof)	N.A. 943
Max. eff leg room(accelerator)	L34	1092		
SgRP to heel point	H30	175		
SgRP to heel point	L53	869		
Back angle(degrees)	L40	23°		
Hip angle(degrees)	L42	92°		
Knee angle(degrees)	L44	130°		
Foot angle (degrees)	L46	102°		
Design H-point front travel	L17	202		
Normal driving & riding seat track trvl.	L23	202		
Shoulder room	W3	1441		
Hip room	W5	1359		
Upper body opening to ground	H50	1114	1112(T-Bag Roof)	1199 1108
Steering wheel maximum diameter*	W9	φ 380 (Air Bag)		
Steering wheel angle(degrees)	H18	19° 24'		
Accel. heel pt. to steer.whl.cntr	L11	463		
Accel. heel pt. to steer.whl.cntr	H17	561		
Undepressed floor covering thickness	H67	26		

Rear Compartment				
SgRP point couple distance	L50	N. A.		526
Effective head room	H63	N. A.		875
Min.effective leg room	L51	N. A.		577
SgRP (second to heel)	H31	N. A.		232
Knee clearance	L48	N. A.		-209
Shoulder room	W4	N. A.		1403
Hip room	W6	N. A.		1047
Upper body opening to ground	H51	N. A.		1101
Back angle (degrees)	L41	N. A.		31°
Hip angle (degrees)	L43	N. A.		75°
Knee angle(degrees)	L45	N. A.		36°
Foot angle (degrees)	L47	N. A.		88°
Depressed floor covering thickness	H73	N. A.		16°

Luggage Compartment				
Usable luggage capacity L (cu. ft)	V1	205 L	167	153 L 237 L (Rear Seat Down)
Liftover height	H195	846		819

Interior Volumes(EPA Classification)			
Vehicle class	Two Seaters	Two Seaters	Subcompact Cars
Interior volume index including trunk/cargo(cu.ft)**	75.8	58.14 (ft ³)	86.8
Trunk/cargo index(cu.ft.)	23.7	5.79 (ft ³)	11.5

*See page 14

**See definition page 33

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

MVMA Specifications

METRIC(U.S.Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line NISSAN 300ZX
Model Year '94 Issued '93-9 Revised(-)

Model Code/Description

2 SEATER	CONVERTIBLE	2 + 2 SEATER
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Station Wagon / MPV* -Third Seat	SEA Ref. NO.	
Seat facing direction	SD1	N.A.
SgRP 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.
SgRP to heel point	H87	N.A.
Knee clearance	L87	N.A.
Back angle(degrees)	L88	N.A.
Hip angle (degrees)	L89	N.A.
Knee angle (degrees)	L90	N.A.
Foot angle (degrees)	L91	N.A.

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	824	N.A.	N. A.	1015
Cargo length at floor(front)	L209	1314	N.A.	N. A.	1474
Cargo length at second seatback height	L210	N.A.	N.A.	N. A.	692
Cargo length at floor (second)	L211	N.A.	N.A.	N. A.	947
Front seatback to load floor height	H197	438	N.A.	N. A.	353
Second seatback to load floor height	H198	N.A.	N.A.	N. A.	284
Cargo volume index m ³ (ft. ³)	V3	0.675	N.A.	N. A.	0.616
Hidden cargo volume index m ³ (ft. ³)	V4	None	N.A.	N. A.	
Cargo volume index - rear of 2-seat	V11	N.A.	N.A.	N. A.	0.327

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

*MPV- Multipurpose Vehicle

MVMA Specifications
METRIC(U.S.Customary)

Vehicle Line NISSAN 300ZX
Model Year '94 Issued '93-9 Revised(-)

Model Code/
Description

2 SEATER / CONVERTIBLE

2 + 2 SEATER

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location	
Front(1)		The Center of the Left Bolt Head (Outside) Securing the Left Tension Rod Bracket to the Cross Member.	
Front(2)			
Rear(1)		The Center of the Left Bolt Point Securing The Rear Suspension Mounting Member to the Rear Side Member.	
Rear(2)			
Note: Provide 3 of 4 Fiducial Mark Locations			
Front	W21**	296	
	L54**	-431	
	H81**	-6	
	H161**	178	180
	H163**	172	169
Rear	W22**	343	
	L55**	2620	2740
	H82**	134	
	H162**	326	325
	H164**	300	277

*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.

Vehicle Line NISSAN 300ZX
Model Year '94 Issued '93-9 Revised ()

*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.

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