

# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

# 1990

|                                                                              |                                  |         |
|------------------------------------------------------------------------------|----------------------------------|---------|
| Manufacturer<br>NISSAN MOTOR CO., LTD.                                       | Vehicle Line<br><br>NISSAN 240SX |         |
| Mailing Address<br>560-2, OKATSUKOKU, ATSUGI-SHI,<br>KANAGAWA, 243-01, JAPAN | Issued<br>'89-8                  | 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.



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.

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Vehicle Line NISSAN 240SX  
 Model Year '90 Issued '89-8 Revised (+) \_\_\_\_\_

## 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<br>Description & Drive<br>(FWD / RWD / AWD / 4WD)* |           | Introduction<br>Date | Make, Vehicle Models,<br>Series, Body Type<br>(Mfr's Model Code) | No. of Designated<br>Seating Positions<br>(Front/Rear) | Max. Trunk/Cargo<br>Load-Kilograms<br>(Pounds) |
|----------------------------------------------------------|-----------|----------------------|------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------|
| California<br>Models                                     | COUPE     | '89-7                | HLS13FV                                                          | 4 (2/2)                                                | 18 (39.6)                                      |
|                                                          |           |                      | HLS13AV                                                          |                                                        |                                                |
|                                                          | HATCHBACK |                      | RHLS13FV                                                         |                                                        |                                                |
|                                                          |           |                      | RHLS13AV                                                         |                                                        |                                                |
| Non-<br>California                                       | COUPE     | '89-7                | HLS13FU                                                          | 4 (2/2)                                                | 18 (39.6)                                      |
|                                                          |           |                      | HLS13AU                                                          |                                                        |                                                |
|                                                          | HATCHBACK |                      | RHLS13FU                                                         |                                                        |                                                |
|                                                          |           |                      | RHLS13AU                                                         |                                                        |                                                |

\* 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 |
|--------|-------------------------------------------|---------------------------|----------|----------|---|---|
| ENGINE | Engine Code                               |                           | KA24E    | KA24E    |   |   |
|        | Displacement<br>Liters (in <sup>3</sup> ) |                           | 2.389    | 2.389    |   |   |
|        | Induction system<br>(FI, Carb, etc.)      |                           | EFI      | EFI      |   |   |
|        | Compression<br>ratio                      |                           | 8.6      | 8.6      |   |   |
|        | SAE<br>Net<br>at<br>RPM                   | Power<br>kW (bhp)         | 104/5600 | 104/5600 |   |   |
|        |                                           | Torque<br>N • m (lb. ft.) | 206/4400 | 206/4400 |   |   |
|        | Exhaust<br>single, dual                   |                           | Dual     | Dual     |   |   |
| TRANS  | Transmission/<br>Transaxle                |                           | FS5W71C  | RE4R01A  |   |   |
|        | Axle Ratio<br>(std. first)                |                           | 4.083    | 4.083    |   |   |

[illegible]

# MVMA Specifications

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## METRIC (U.S. Customary)

Engine Description  
Engine Code

All Models

### ENGINE - GENERAL

|                                                                                                                                                    |                                                                       |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------|
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.) | Inline SOHC<br>Front<br>Longitudinal pent-roof                        |                                     |
| Manufacturer                                                                                                                                       | NISSAN                                                                |                                     |
| No. of cylinders                                                                                                                                   | 4                                                                     |                                     |
| Bore                                                                                                                                               | 89 mm                                                                 |                                     |
| Stroke                                                                                                                                             | 96 mm                                                                 |                                     |
| Bore spacing (C/L to C/L)                                                                                                                          | 96 mm - 98 mm - 96 mm                                                 |                                     |
| Cylinder block material & mass kg (lbs.) (machined)                                                                                                | Cast Iron 52 kg                                                       |                                     |
| Cylinder block deck height                                                                                                                         | 247 mm                                                                |                                     |
| Cylinder block length                                                                                                                              | 426 mm                                                                |                                     |
| Deck clearance (minimum) (above or below block)                                                                                                    | 0 mm                                                                  |                                     |
| Cylinder head material & mass kg (lbs.)                                                                                                            | Aluminum Alloy 7.7 kg                                                 |                                     |
| Cylinder head volume (cm <sup>3</sup> )                                                                                                            | 67.6 cm <sup>3</sup>                                                  |                                     |
| Cylinder liner material                                                                                                                            | N.A.                                                                  |                                     |
| Head gasket thickness (compressed)                                                                                                                 | 1.2 mm                                                                |                                     |
| Minimum combustion chamber total volume (cm <sup>3</sup> )                                                                                         | 73.4 cm <sup>3</sup>                                                  |                                     |
| Cyl. no. system (front to rear)*                                                                                                                   | L Bank                                                                | 1-2-3-4                             |
|                                                                                                                                                    | R Bank                                                                | N.A.                                |
| Firing order                                                                                                                                       | 1-3-4-2                                                               |                                     |
| Intake manifold material & mass (kg (lbs.))**                                                                                                      | Aluminum Alloy 4.5 kg                                                 |                                     |
| Exhaust manifold material & mass (kg (lbs.))**                                                                                                     | Cast Iron 6.0 kg                                                      |                                     |
| Fuel required unleaded, diesel, etc.                                                                                                               | Unleaded                                                              |                                     |
| Fuel antiknock index (R + M) + 2                                                                                                                   | No less than 87                                                       |                                     |
| Engine mounts                                                                                                                                      | Quantity                                                              | 3                                   |
|                                                                                                                                                    | Material and type (elastomeric, hydroelastic, hydraulic damper, etc.) | Elastomeric ; 1<br>Hydroelastic ; 2 |
|                                                                                                                                                    | Added isolation (sub-frame, crossmember, etc.)                        | RR member                           |
| Total dressed engine mass (wt) dry***                                                                                                              | 159 kg (M/T) 153 kg (A/T)                                             |                                     |

### Engine - Pistons

|                                                |                      |
|------------------------------------------------|----------------------|
| Material & mass, g (weight, oz.) - piston only | Aluminum Alloy 369 g |
|------------------------------------------------|----------------------|

### Engine - Camshaft

|                                   |                  |
|-----------------------------------|------------------|
| Location                          | Cylinder Head    |
| Material & mass kg (weight, lbs.) | Cast Iron 3.7 kg |
| Drive type                        | Chain / belt     |
|                                   | Chain            |
|                                   | Width / pitch    |
|                                   | 14.0 mm/9.525 mm |

\* 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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### Engine - Valve System

|                                    |                            |
|------------------------------------|----------------------------|
| Hydraulic lifters (std., opt., NA) | Std.                       |
| Valves                             | Number intake / exhaust    |
|                                    | 2/1                        |
|                                    | Head O.D. intake / exhaust |
|                                    | 34 mm/40 mm                |

### Engine - Connecting Rods

|                                        |                       |
|----------------------------------------|-----------------------|
| Material & mass (kg., (weight, lbs.))* | Forged Steel 0.647 kg |
| Length (axes C to C) mm                | 165 mm                |

### Engine - Crankshaft

|                                              |                        |
|----------------------------------------------|------------------------|
| Material & mass (kg., (weight, lbs.))*       | Forged Steel 17.5 kg   |
| End thrust taken by bearing (no.)            | No. 3                  |
| Length & number of main bearings             | 528.5 mm 5             |
| Seal (material, one, two piece design, etc.) | Front                  |
|                                              | Rear                   |
|                                              | Acryl Rubber One Piece |
|                                              | Acryl Rubber One Piece |

### Engine - Lubrication System

|                                                |                     |
|------------------------------------------------|---------------------|
| Normal oil pressure (kPa (psi) at engine rpm)  | 294 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.) | 3.5 L               |

### 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. |
| Intercooler                  | N.A. |

\* Finished State

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Engine Description  
Engine Code

All Models

### Engine - Cooling System

|                                                |                                                   |                                           |
|------------------------------------------------|---------------------------------------------------|-------------------------------------------|
| Coolant recovery system (std., opt., n.a.)     |                                                   | Std. (Reserve Tank)                       |
| Coolant fill location (rad., bottle)           |                                                   | Bottle                                    |
| Radiator cap relief valve pressure (kPa (psi)) |                                                   | 90                                        |
| Circulation 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                                      | Roller & Ball                             |
|                                                | Impeller material                                 | Steel                                     |
|                                                | Housing material                                  | Aluminum Alloy                            |
| By-pass recirculation (type (inter., ext.))    |                                                   | External                                  |
| Cooling system capacity                        | With heater - L(qt.)                              | 6.7                                       |
|                                                | With air conditioner - L(qt.)                     | 6.7                                       |
|                                                | Opt. equipment (specify - L(qt.))                 | N.A.                                      |
| Water jackets full length of cyl. (yes, no)    |                                                   | Yes                                       |
| Water all around cylinder (yes, no)            |                                                   | No                                        |
| Water jackets open at head face (yes, no)      |                                                   | No                                        |
| Radiator core                                  | Std., A/C, HD                                     | Std.                                      |
|                                                | Type (cross-flow, etc.)                           | Vertical Flow                             |
|                                                | Construction (fin & tube mechanical, braze, etc.) | Corrugated Fin                            |
|                                                | Material, mass (kg (wgt., lbs.))                  | 2.24 kg (M/T), 2.54 kg (A/T)              |
|                                                | Width                                             | 646 mm                                    |
|                                                | Height                                            | 360 mm                                    |
|                                                | Thickness                                         | 16 mm                                     |
| Fan                                            | Fins per inch                                     | 17                                        |
|                                                | Radiator end tank material                        | Aluminum & Resin                          |
|                                                | Std., elec., opt.                                 | Std. & Elec.                              |
|                                                | Number of blades & type (flex, solid, material)   | 8 Solid Type                              |
|                                                | Diameter & projected width                        | 410 mm (Std.) 280 mm (Elec.)              |
|                                                | Ratio (fan to crankshaft rev.)                    | 1.3                                       |
|                                                | Fan cutout type                                   | Temperature Controlled Hydraulic Coupling |
|                                                | Drive type (direct, remote)                       | Belt Drive                                |
|                                                | RPM at idle (elec.)                               | 2100 rpm when on                          |
|                                                | Motor rating (wattage) (elec.)                    | 70                                        |
|                                                | Motor switch (type & location) (elec.)            | Thermo Switch (Red) & A/C Switch          |
|                                                | Switch point (temp., pressure) (elec.)            | 95°C or A/C on                            |
|                                                | Fan shroud (material)                             | P.P. & Steel                              |

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Engine Description  
 Engine Code

All Models

### 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.                                                         |                                                          | 13.0                        |
| Fuel injection                                                        | Point of injection (no.)                                 | 4                           |
|                                                                       | Constant, pulse, flow                                    | Pulse                       |
|                                                                       | Control (electronic, mech.)                              | Electronic                  |
|                                                                       | System pressure (kPa (psi))                              | 299 KPa                     |
| Idle spd.-rpm (spec. neutral or drive and propane if used)            | Manual                                                   | 700 rpm                     |
|                                                                       | Automatic                                                | 750 rpm (N or P Range)      |
| Intake manifold heat control (exhaust or water thermostatic or fixed) |                                                          | N.A.                        |
| Air cleaner type                                                      |                                                          | Paper Element               |
| Fuel filter (type/location)                                           |                                                          | Paper Element / Engine 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)) | 70 L/hr at 299 KPa          |

### Fuel Tank

|                                    |                          |                                        |
|------------------------------------|--------------------------|----------------------------------------|
| Capacity (refill L (gallons))      |                          | 60 L (15.9 Gallons)                    |
| Location (describe)                |                          | Under Rear Floor                       |
| Attachment                         |                          | Fastened with Belts                    |
| Material & Mass (kg (weight lbs.)) |                          | Carbon Steel Tin-Lead Coat 12.8 kg     |
| Filler pipe                        | Location & material      | At the Right Rear Fender, Carbon Steel |
|                                    | Connection to tank       | Fastened with Bolts                    |
| Fuel line (material)               |                          | Carbon Steel and Rubber                |
| Fuel hose (material)               |                          | Rubber                                 |
| Return line (material)             |                          | Carbon Steel and Rubber                |
| Vapor line (material)              |                          | Carbon Steel and 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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## METRIC (U.S. Customary)

Engine Description  
 Engine Code

All Models

### Vehicle Emission Control

|                              |                                                          |                                                                                    |                                     |
|------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------|
| Exhaust Emission Control     | Type (air injection, engine modifications, other)        |                                                                                    | SMPI/EGR/PAIR/TWC/02S               |
|                              | Air Injection                                            | Pump or pulse                                                                      | Pulse                               |
|                              |                                                          | Driven by                                                                          | N.A.                                |
|                              |                                                          | Air distribution (head, manifold, etc.)                                            | Exhaust Front Tube                  |
|                              |                                                          | Point of entry                                                                     | Air Cleaner Clean Side              |
|                              | Exhaust Gas Recirculation                                | Type (controlled flow, open orifice, other)                                        | Controlled Flow                     |
|                              |                                                          | Exhaust source<br>Point of exhaust injection (spacer, carburetor, manifold, other) | Exhaust Manifold<br>Intake Manifold |
|                              | Catalytic Converter                                      | Type                                                                               | Three Way                           |
|                              |                                                          | Number of                                                                          | 1                                   |
|                              |                                                          | Location(s)                                                                        | Under Floor                         |
|                              |                                                          | Volume [L (in <sup>3</sup> )]                                                      | 1.7 L                               |
|                              |                                                          | Substrate type                                                                     | Monolith                            |
|                              |                                                          | Noble metal type                                                                   |                                     |
|                              |                                                          | Noble metal concentration (g/cm <sup>3</sup> )                                     |                                     |
| 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.                                |
| Electronic system            | Vapor storage provision                                  |                                                                                    | Carbon Canister                     |
|                              | Closed loop (yes/no)                                     |                                                                                    | Yes                                 |
|                              | Open loop (yes/no)                                       |                                                                                    | Yes                                 |

### Engine - Exhaust System

|                                                                                                        |                                   |                                        |                                                             |
|--------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|-------------------------------------------------------------|
| Type (single, single with cross-over, dual, other)                                                     |                                   | Dual with Converter                    |                                                             |
| Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass (kg (weight lbs)) |                                   | CTR; Resonator<br>Al Coat Steel 2.4 kg | RR; One Reverse Flow with Resonator<br>Al Coat Steel 6.2 kg |
| Resonator no. & type                                                                                   |                                   |                                        |                                                             |
| Exhaust pipe                                                                                           | Branch o.d., wall thickness       |                                        | (ø45. t2.0) x 2                                             |
|                                                                                                        | Main o.d., wall thickness         |                                        | ø54. t2.0                                                   |
|                                                                                                        | Material & Mass (kg (weight lbs)) |                                        | Stainless Steel Tube 4.2 kg                                 |
| Intermediate pipe                                                                                      | o.d. & wall thickness             |                                        | ø54. t1.4                                                   |
|                                                                                                        | Material & Mass (kg (weight lbs)) |                                        | Al Coat Steel Tube 3.3 kg                                   |
| Tail pipe                                                                                              | o.d. & wall thickness             |                                        | (ø38.1. t1.6) x 2                                           |
|                                                                                                        | Material & Mass (kg (weight lbs)) |                                        | Al Coat Steel Tube 0.4 kg                                   |

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## METRIC (U.S. Customary)

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All Models

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

|                                            |      |
|--------------------------------------------|------|
| Manual 3-speed (manufacturer/country)      | N.A. |
| Manual 4-speed (manufacturer/country)      | N.A. |
| Manual 5-speed (manufacturer/country)      | Std. |
| Automatic (manufacturer/country)           | N.A. |
| Automatic overdrive (manufacturer/country) | Std. |

## Manual Transmission/Transaxle

|                                     |                    |                                 |
|-------------------------------------|--------------------|---------------------------------|
| Number of forward speeds            |                    | 5                               |
| Gear ratios                         | 1st                | 3.321                           |
|                                     | 2nd                | 1.902                           |
|                                     | 3rd                | 1.308                           |
|                                     | 4th                | 1.000                           |
|                                     | 5th                | 0.759                           |
|                                     | Reverse            | 3.382                           |
| Synchronous meshing (specify gears) |                    | 1, 2, 3, 4, 5                   |
| Shift lever location                |                    | Floor Mounted                   |
| Trans. case mat'l. & mass kg (lbs)* |                    | Aluminum Alloy 45               |
| Lubricant                           | Capacity [L (pt.)] | 2.4 L                           |
|                                     | Type recommended   | NISSAN GEAR OIL (Multi Special) |
|                                     |                    |                                 |

## Clutch (Manual Transmission)

|                                                   |                                                       |                       |
|---------------------------------------------------|-------------------------------------------------------|-----------------------|
| Clutch manufacturer                               | ATSUGI                                                |                       |
| Clutch type (dry, wet; single, multiple disc)     | Dry Single Disc                                       |                       |
| Linkage (hydraulic, cable, rod, lever, other)     | Hydraulic                                             |                       |
| Max. pedal effort (nom. spring load, new) N (lbs) | Depressed                                             |                       |
|                                                   | Released                                              |                       |
| Assist (spring, power/percent, nominal)           |                                                       |                       |
| Type pressure plate springs                       | Diaphragm                                             |                       |
| Total spring load (nominal, new) N (lbs)          | 450 kg                                                |                       |
| Clutch facing                                     | Facing mfg. & material coding                         | AKEBONO AA61Z2        |
|                                                   | Facing material & construction                        | Spiral Wound Asbestos |
|                                                   | Rivets per facing                                     | 16                    |
|                                                   | Outside x inside dia. (nominal)                       | 225 x 150             |
|                                                   | Total eff. area (cm <sup>2</sup> (in. <sup>2</sup> )) | 221                   |
|                                                   | Thickness (pressure plate side/ry wheel side)         | 3.5/3.5               |
|                                                   | Rivet depth (pressure plate side/ry 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 Springs and Friction Washers                     |                       |

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

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## METRIC (U.S. Customary)

Engine Description  
Engine Code

All Models

### ☒ Automatic Transmission/Transaxle

|                                                                |                                     |                                                           |
|----------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|
| Trade Name                                                     |                                     | FULL RANGE EAT (RE4R01A)                                  |
| Type and special features (describe)                           |                                     | 4 Speed with Lock Up Torque Converter, 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                                                     |
|                                                                | 2nd                                 | 1.545                                                     |
|                                                                | 3rd                                 | 1.000                                                     |
|                                                                | 4th                                 | 0.694                                                     |
|                                                                | Reverse                             | 2.272                                                     |
| Max. upshift speed - drive range [km/h (mph)]                  |                                     | 152                                                       |
| Max. kickdown speed - drive range [km/h (mph)]                 |                                     | 145                                                       |
| Min. overdrive speed [km/h (mph)]                              |                                     | 32                                                        |
| Torque converter                                               | Number of elements                  | 3                                                         |
|                                                                | Max. ratio at stall                 | 2.0 : 1                                                   |
|                                                                | Type of cooling (air, liquid)       | Liquid                                                    |
|                                                                | Nominal diameter                    | 250                                                       |
|                                                                | Capacity factor "K"                 |                                                           |
| Lubricant                                                      | Capacity (refill L(pt.))            | 8.5                                                       |
|                                                                | Type recommended                    | NISSAN MATIC FLUID 'D'                                    |
| Oil cooler (std., opt., N.A., internal, external, air, liquid) |                                     | Std. Liquid                                               |
| Transmission mass (kg (lbs)) & case material **                |                                     | Aluminum Alloy 74                                         |

### ☒ 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.

# MVMA Specifications

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (+)

## METRIC (U.S. Customary)

Engine Description  
Engine Code

All Models

### ⊗ Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)

|                                        |           |       |
|----------------------------------------|-----------|-------|
| Axle ratio (or overall top gear ratio) |           | 4.083 |
| Ring gear o.d.                         |           | 200   |
| No. of teeth                           | Pinion    | 12    |
|                                        | Ring gear | 49    |

### ⊗ Rear Axle Unit

|                                  |                         |                        |
|----------------------------------|-------------------------|------------------------|
| Description                      |                         | Independent Suspension |
| Limited slip differential (type) |                         | N.A.                   |
| Drive pinion                     | Type                    | HYPROID                |
|                                  | Offset                  | 35                     |
| No. of differential pinions      |                         | 2                      |
| Pinion / differential            | Adjustment (shim, etc.) | Shim                   |
|                                  | Bearing adjustment      | Solid Spacer           |
| Driving wheel bearing (type)     |                         |                        |
| Lubricant                        | Capacity (L (pt.))      | 1.3                    |
|                                  | Type recommended        | API GL-5<br>80W-90     |

### ⊗ Propeller Shaft - Rear Wheel Drive

|                                                                                       |                                  |                                |                                                                                                 |  |
|---------------------------------------------------------------------------------------|----------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|--|
| Manufacturer<br>Type (straight tube, tube-in-tube,<br>internal-external damper, etc.) |                                  |                                | Straight Tube (M/T)<br>Tube in Tube (A/T)                                                       |  |
| Outer<br>diam. x<br>length* x<br>wall<br>thickness                                    | Manual 3-speed transmission      |                                | N.A.                                                                                            |  |
|                                                                                       | Manual 4-speed transmission      |                                | N.A.                                                                                            |  |
|                                                                                       | Manual 5-speed transmission      |                                | 75 x 395 x 1.6 + 75 x 605 x 1.6<br>(75 x 395 x 1.6 + 75 x 590 x 1.6 at A.B.S. option)           |  |
|                                                                                       | Overdrive                        |                                | N.A.                                                                                            |  |
|                                                                                       | Automatic transmission           |                                | 75 x 432 x 1.6 + 75/63.5 x 605 x 1.6<br>(75 x 432 x 1.6 + 75/63.5 x 590 x 1.6 at A.B.S. option) |  |
| Inter-<br>mediate<br>bearing                                                          | Type (plain, anti-friction)      |                                | Ball Bearing                                                                                    |  |
|                                                                                       | Lubrication (fitting, prepack)   |                                | Prepack                                                                                         |  |
| Slip<br>yoke                                                                          | Type                             |                                | Sliding Spline                                                                                  |  |
|                                                                                       | Number of teeth                  |                                | 24 (M/T)    26 (A/T)                                                                            |  |
|                                                                                       | Spline o.d.                      |                                | 25 (M/T)    28 (A/T)                                                                            |  |
| Universal<br>joints                                                                   | Make and mfg. no.                | Front                          | ATSUGI                                                                                          |  |
|                                                                                       |                                  | Rear                           | ATSUGI                                                                                          |  |
|                                                                                       | Number used                      |                                | 3                                                                                               |  |
|                                                                                       | Type (ball and trunnion, cross)  |                                | Cross, Rubber Joint (M/T 1st 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)                                    |                                  |                                |                                                                                                 |  |
| Torque taken through (torque tube, arms or springs)                                   |                                  |                                |                                                                                                 |  |

# MVMA Specifications

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (+)

## METRIC (U.S. Customary)

Body Type And/Or  
Engine Displacement

standard - ALL

optional - ALL

### Suspension - General Including Electronic Controls

|                                 |                                                     |                                            |
|---------------------------------|-----------------------------------------------------|--------------------------------------------|
| Car leveling                    | Standard/optional/not avail.                        | N.A.                                       |
|                                 | Manual/automatic control                            | N.A.                                       |
|                                 | Type (air/hydraulic)                                | N.A.                                       |
|                                 | Primary/assist spring                               | N.A.                                       |
|                                 | Rear only/4 wheel leveling                          | N.A.                                       |
|                                 | Single/dual rate spring                             | N.A.                                       |
|                                 | Single/dual ride heights                            | N.A.                                       |
| Shock absorber damping controls | Provision for jacking                               | N.A.                                       |
|                                 | Standard/option/not avail.                          | N.A.                                       |
|                                 | Manual/automatic control                            | N.A.                                       |
|                                 | Number of damping rates                             | N.A.                                       |
|                                 | Type of actuation (manual/electric motor/air, etc.) | N.A.                                       |
|                                 | s<br>e<br>n<br>s<br>i<br>t<br>i<br>v<br>e           |                                            |
|                                 | Lateral acceleration                                | N.A.                                       |
| Shock absorber (front & rear)   | Deceleration                                        | N.A.                                       |
|                                 | Acceleration                                        | N.A.                                       |
|                                 | Road surface                                        | N.A.                                       |
|                                 | Type                                                | Direct Double Acting Hydraulic             |
|                                 | Make                                                | Front : ATSUGI      Rear : TOKICO / KAYABA |
|                                 | Piston diameter                                     | Front : $\phi 30$ Rear : $\phi 25$         |
|                                 | Rod diameter                                        | Front : $\phi 20$ Rear : $\phi 12.5$       |

### Suspension - Front

|                      |                                     |                                           |                             |
|----------------------|-------------------------------------|-------------------------------------------|-----------------------------|
| Type and description |                                     | Independent - Strut Type with Coil Spring |                             |
| Travel*              | Full jounce                         | 80 mm                                     |                             |
|                      | Full rebound                        | 100 mm                                    |                             |
| Spring               | Type (coil, leaf, other) & material | Coil, Spring Steel                        |                             |
|                      | Insulators (type & material)        | Rubber Insulation Type                    |                             |
|                      | Size (coil design height & i.d.)    | 160 x 157                                 | 160 x 157                   |
|                      | Spring rate [N/mm (lb./in.)]        | 2.0                                       | 2.2                         |
|                      | Rate at wheel [N/mm (lb./in.)]      | 2.1                                       | 2.2                         |
| Stabilizer           | Type (link, linkless, frameless)    | Link                                      |                             |
|                      | Material & bar diameter             | High Carbon Steel $\phi 24$               | High Carbon Steel $\phi 25$ |

### Suspension - Rear

|                      |                                                  |                             |                             |
|----------------------|--------------------------------------------------|-----------------------------|-----------------------------|
| Type and description |                                                  | Independent Multi-Link Type |                             |
| Travel*              | Full jounce                                      | 100 mm                      |                             |
|                      | Full rebound                                     | 100 mm                      |                             |
| Spring               | Type (coil, leaf, other) & material              | Coil, Spring Steel          |                             |
|                      | Size (length x width, coil design height & i.d.) | 230 x 88                    | 238 x 88                    |
|                      | Spring rate [N/mm (lb./in.)]                     | 2.0                         | 2.2                         |
|                      | Rate at wheel [N/mm (lb./in.)]                   | 2.7                         | 2.9                         |
|                      | Insulators (type & material)                     | Rubber Insulation Type      |                             |
|                      | if leaf                                          | No. of leaves               | N.A.                        |
|                      |                                                  | Shackle (comp. or tens.)    | N.A.                        |
| Stabilizer           | Type (link, linkless, frameless)                 | Link                        |                             |
|                      | Material & bar diameter                          | High Carbon Steel $\phi 15$ | High Carbon Steel $\phi 17$ |
| Track bar (type)     |                                                  | None                        |                             |

\* Define load condition:

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (+)

Body Type And/Or  
Engine Displacement

Standard-All

Optional-All

## Brakes - Service

|                                                                |                                              |                                 |                                                        |                      |                   |
|----------------------------------------------------------------|----------------------------------------------|---------------------------------|--------------------------------------------------------|----------------------|-------------------|
| Description                                                    |                                              |                                 |                                                        |                      |                   |
| Manufacturer and<br>brake type (std., opt., n.a.)              | Front (disc or drum)                         |                                 | Disc: Std.                                             |                      |                   |
|                                                                | 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. <sup>3</sup> )         |                                 | 143.4 147.1                                            |                      |                   |
|                                                                | Pump type (elec. gear driven, belt driven)   |                                 | N.A.                                                   |                      |                   |
| Traction<br>control                                            | Operational speed range                      |                                 |                                                        |                      |                   |
|                                                                | Type engine intervention (electronic, mech.) |                                 |                                                        |                      |                   |
| Anti-lock<br>device                                            | Front / rear (std., opt., n.a.)              |                                 |                                                        |                      |                   |
|                                                                | Manufacturer                                 |                                 |                                                        |                      |                   |
|                                                                | Type (electronic, mech.)                     |                                 | Opt.                                                   |                      |                   |
|                                                                | Number sensors or circuits                   |                                 |                                                        |                      |                   |
|                                                                | Number anti-lock hydraulic circuits          |                                 |                                                        |                      |                   |
|                                                                | Integral or add-on system                    |                                 |                                                        |                      |                   |
|                                                                | Yaw control (yes, no)                        |                                 |                                                        |                      |                   |
| Hydraulic power source (elec., vac. mtr., pwr. stg.)           |                                              |                                 |                                                        |                      |                   |
| Effective area [cm <sup>2</sup> (in. <sup>2</sup> )]           |                                              | Front: 176 Rear: 104            | Front: 204 Rear: 104                                   |                      |                   |
| Gross Lining area [cm <sup>2</sup> (in. <sup>2</sup> )]**(F/R) |                                              | Front: 176 Rear: 104            | Front: 204 Rear: 104                                   |                      |                   |
| Swept area [cm <sup>2</sup> (in. <sup>2</sup> )]**(F/R)        |                                              | 2241                            | 2280                                                   |                      |                   |
| Rotor                                                          | Outerworking diameter                        | F/R                             | Front: 250 Rear: 256 Front: 255 Rear: 256              |                      |                   |
|                                                                | Inner working diameter                       | F/R                             | Front: 160.4 Rear: 176 Front: 164.4 Rear: 176          |                      |                   |
|                                                                | Thickness                                    | F/R                             | Front: 20 Rear: 9 Front: 22 Rear: 9                    |                      |                   |
|                                                                | Material & type (vented/solid)               | F/R                             | Front: Cast Iron (VENTED) Rear: Cast Iron (LOLID)      |                      |                   |
| Drum                                                           | Diameter & width                             | F/R                             | N.A.                                                   |                      |                   |
|                                                                | Type and material                            | F/R                             | N.A.                                                   |                      |                   |
| Wheel cylinder bore                                            |                                              | Front: 54.0 Rear: 33.96         | Front: 57.2 Rear: 33.96                                |                      |                   |
| Master cylinder                                                | Bore/stroke                                  | F/R                             | 22.22/31 23.81/31                                      |                      |                   |
| Pedal arc ratio                                                |                                              | 3.8                             |                                                        |                      |                   |
| Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]         |                                              | 10731                           | 11175                                                  |                      |                   |
| Lining clearance                                               |                                              | F/R                             | Front: No Major Adjustment Required, Rear: No Major Ad |                      |                   |
| Brake<br>lining                                                | Front<br>wheel                               | Bonded or riveted (rivets/seg.) |                                                        | Bonded               | justment Required |
|                                                                |                                              | Rivet size                      |                                                        | N.A.                 |                   |
|                                                                |                                              | Manufacturer                    |                                                        | HITACHI              |                   |
|                                                                |                                              | Lining code*****                |                                                        | HITACHI HP12FE       |                   |
|                                                                |                                              | Material                        |                                                        | Molded Semi Metallic |                   |
|                                                                |                                              | ****                            | Primary or out-board                                   | 112.8 x 44.8 x 10    | 125.6 x 45.3 x 11 |
|                                                                |                                              | Size                            | Secondary or in-board                                  | 112.8 x 44.8 x 10    | 125.6 x 45.3 x 11 |
|                                                                | Shoe thickness (no lining)                   |                                 | 6.0                                                    |                      |                   |
|                                                                | Rear<br>wheel                                | Bonded or riveted (rivets/seg.) |                                                        | Bonded               |                   |
|                                                                |                                              | Manufacturer                    |                                                        | N.B.K.               |                   |
|                                                                |                                              | Lining code*****                |                                                        | NRKNP01FF            |                   |
|                                                                |                                              | Material                        |                                                        | Molded Asbestos      |                   |
|                                                                |                                              | ****                            | Primary or out-board                                   | 75 x 40 x 9.5        |                   |
|                                                                |                                              | Size                            | Secondary or in-board                                  | 75 x 40 x 9.5        |                   |
| Shoe thickness (no lining)                                     |                                              | 5.0                             |                                                        |                      |                   |

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

\*\*\* Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)  
(Disc brake: Square of Outer Working Dia. minus Square of inner 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.

# MVMA Specifications

Vehicle Line NISSAN 240SX  
 Model Year '90 Issued '89-8 Revised (+)

## METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

All Models

### Tires And Wheels (Standard)

|        |                                                             |                     |                                       |
|--------|-------------------------------------------------------------|---------------------|---------------------------------------|
| Tires  | Size (load range, ply)                                      |                     | 195/60R15 86H Load Range B, Net 2 Ply |
|        | Type (bias, radial, steel, nylon, etc.)                     |                     | Radial                                |
|        | Inflation pressure (cold) for recommended max. vehicle load | Front (kPa (psi))   | 200 KPa (28 psi)                      |
|        |                                                             | Rear (kPa (psi))    | 200 KPa (28 psi)                      |
|        | Rev./mile-at 70 km/h (45 mph)                               |                     | 627 rpm                               |
| Wheels | Type & material                                             |                     | Disc-Stamped Steel                    |
|        | Rim (size & flange type)                                    |                     | 15 x 6JJ                              |
|        | Wheel offset                                                |                     | 40                                    |
|        | Attachment                                                  | Type (bolt or stud) | Stud                                  |
|        |                                                             | Circle diameter     | 114.3                                 |
|        |                                                             | Number & size       | M12 x 1.25 4 Hex Nuts                 |
| Spare  | Tire and wheel                                              |                     | 15 x 4T                               |
|        | Storage position & location (describe)                      |                     |                                       |

### Tires And Wheels (Optional)

|                                                                                                                                                             |  |                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|
| Tire size (load range, ply)                                                                                                                                 |  | 205/60 R15 89H Load Range B, Net 2 Ply |
| radial, steel, nylon, etc.)                                                                                                                                 |  | Radial                                 |
| Wheel (type & material)                                                                                                                                     |  | Aluminum Casting                       |
| Rim (size, flange type and offset)                                                                                                                          |  | 15 x 6JJ                               |
| Tire size (load range, ply)                                                                                                                                 |  |                                        |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                     |  |                                        |
| Wheel (type & material)                                                                                                                                     |  |                                        |
| Rim (size, flange type and offset)                                                                                                                          |  |                                        |
| Tire size (load range, ply)                                                                                                                                 |  |                                        |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                     |  |                                        |
| Wheel (type & material)                                                                                                                                     |  |                                        |
| Rim (size, flange type and offset)                                                                                                                          |  |                                        |
| Tire size (load range, ply)                                                                                                                                 |  |                                        |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                     |  |                                        |
| Wheel (type & material)                                                                                                                                     |  |                                        |
| Rim (size, flange type and offset)                                                                                                                          |  |                                        |
| Spare tire and wheel size<br>(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position) |  |                                        |

### Brakes - Parking

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

# MVMA Specifications

Vehicle Line NISSAN 240SX  
 Model Year '90 Issued '89-8 Revised (-)

## METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

All Models

### Steering

|                                                           |                                           |                        |                                                  |               |      |  |
|-----------------------------------------------------------|-------------------------------------------|------------------------|--------------------------------------------------|---------------|------|--|
| Manual (std., opt., n.a.)                                 |                                           |                        | N.A.                                             |               |      |  |
| Power (std., opt., n.a.)                                  |                                           |                        | Std.                                             |               |      |  |
| Adjustable steering wheel/column (tilt, telescope, other) | Type                                      |                        | Tilt                                             |               |      |  |
|                                                           | Manufacturer                              |                        | Fuji Kikoh                                       |               |      |  |
|                                                           | (std., opt., n.a.)                        |                        | Std.                                             |               |      |  |
| Wheel diameter** (W9) SAE J1100                           |                                           | Manual                 |                                                  | N.A.          |      |  |
|                                                           |                                           | Power                  |                                                  | ø370          |      |  |
| Turning diameter m (ft.)                                  | Outside front                             | Wall to wall (l. & r.) |                                                  |               |      |  |
|                                                           |                                           | Curb to curb (l. & r.) |                                                  |               |      |  |
|                                                           | Inside rear                               | Wall to wall (l. & r.) |                                                  |               |      |  |
|                                                           |                                           | Curb to curb (l. & r.) |                                                  |               |      |  |
| Scrib Radius*                                             |                                           |                        |                                                  |               |      |  |
| Manual                                                    | Gear                                      | Type                   |                                                  | N.A.          |      |  |
|                                                           |                                           | Manufacturer           |                                                  | N.A.          |      |  |
|                                                           |                                           | Ratios                 | Gear                                             |               | N.A. |  |
|                                                           |                                           |                        | Overall                                          |               | N.A. |  |
|                                                           | No. wheel turns (stop to stop)            |                        | N.A.                                             |               |      |  |
| Power                                                     | Type (coaxial, elec., hyd., etc.)         |                        | Integral Gear & Power Piston with Vane Type Pump |               |      |  |
|                                                           | Manufacturer                              |                        | NISSAN                                           |               |      |  |
|                                                           | Gear                                      | Type                   |                                                  | Rack & Pinion |      |  |
|                                                           |                                           | Ratios                 | Gear                                             |               | ∞    |  |
|                                                           |                                           |                        | Overall                                          |               | 17.1 |  |
|                                                           | Pump (drive)                              |                        | Belt from Crank-Shaft Pulley                     |               |      |  |
|                                                           | No. wheel turns (stop to stop)            |                        | 3.1                                              |               |      |  |
| Linkage                                                   | Type                                      |                        | Parallelogram                                    |               |      |  |
|                                                           | Location (front or rear of wheels, other) |                        | Rear                                             |               |      |  |
|                                                           | Tie rods (one or two)                     |                        | 2                                                |               |      |  |
| Steering axis                                             | Inclination at camber (deg.)              |                        |                                                  |               |      |  |
|                                                           | Bearings (type)                           | Upper                  |                                                  |               |      |  |
|                                                           |                                           | Lower                  |                                                  |               |      |  |
|                                                           |                                           | Thrust                 |                                                  |               |      |  |
| Steering spindle/knuckle & joint type                     |                                           |                        |                                                  |               |      |  |
| Wheel spindle/hub                                         | Diameter                                  | Inner bearing          |                                                  |               |      |  |
|                                                           |                                           | Outer bearing          |                                                  |               |      |  |
|                                                           | Thread (size)                             |                        |                                                  |               |      |  |
|                                                           | Bearing (type)                            |                        |                                                  |               |      |  |

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

\*\* See Page 22.

# MVMA Specifications

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (-)

## METRIC (U.S. Customary)

Body Type And/Or  
Engine Displacement

All Models

### Wheel Alignment

|                                |                          |                                 |              |
|--------------------------------|--------------------------|---------------------------------|--------------|
| Front wheel at curb mass (wt.) | Service checking         | Caster (deg.)                   | 6°44' ± 45'  |
|                                |                          | Camber (deg.)                   | -0°44' ± 45' |
|                                |                          | Toe-in (outside track-mm (in.)) | 1.29 ± 2     |
|                                | Service reset*           | Caster                          | 6°44' ± 45'  |
|                                |                          | Camber                          | -0°44' ± 45' |
|                                |                          | Toe-in                          | 1.29 ± 2     |
|                                | Periodic M.V. inspection | Caster                          | 6°44' ± 45'  |
|                                |                          | Camber                          | -0°44' ± 45' |
|                                |                          | Toe-in                          | 1.29 ± 2     |
| Rear wheel at curb mass (wt.)  | Service checking         | Camber (deg.)                   | -1°06' ± 30' |
|                                |                          | Toe-in (outside track-mm (in.)) | 2.5 ± 2.5    |
|                                | Service reset*           | Camber                          | -1°06' ± 30' |
|                                |                          | Toe-in                          | 2.5 ± 2.5    |
|                                | Periodic M.V. inspection | Camber                          | -1°06' ± 30' |
|                                |                          | Toe-in                          | 2.5 ± 2.5    |

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

### Electrical - Instruments and Equipment

|                                                    |                                        |                                   |
|----------------------------------------------------|----------------------------------------|-----------------------------------|
| Speedometer                                        | Type (analog, digital, std., opt.)     | Dial with Pointer (Opt. Digital)  |
|                                                    | Trip 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    |
|                                                    | Warning device (light, audible)        | Light                             |
| Wind-shield wiper                                  | Type (standard)                        | Electric 2 Speed Intermittent     |
|                                                    | Type (optional)                        | N.A.                              |
|                                                    | Blade length                           | 500 mm x 2                        |
|                                                    | Swept area (cm²(in.²))                 | 6380 cm²                          |
| Wind-shield washer                                 | Type (standard)                        | Electric                          |
|                                                    | Type (optional)                        | N.A.                              |
|                                                    | Fluid level indicator (light, audible) | *1 Warning Light                  |
| Rear window wiper, wiper/washer (std., opt., n.a.) |                                        | Opt. Electric (H/B), N.A. (COUPE) |
| Horn                                               | Type                                   | Vibrator                          |
|                                                    | Number used                            | 2                                 |
| Other                                              |                                        |                                   |

\*1 For SGL

# MVMA Specifications

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (+)

## METRIC (U.S. Customary)

Engine Description  
Engine Code

All Models

### Electrical - Supply System

|            |                            |                                                       |
|------------|----------------------------|-------------------------------------------------------|
| Battery    | Manufacturer               | SHIN-KOBE, YUASA, MATSUSHITA, JAPAN-STORAGE, FURUKAWA |
|            | Model, std., (opt.)        | 55D23R                                                |
|            | Voltage                    | 12V                                                   |
|            | Amps at 0°F cold crank     | 356                                                   |
|            | Minutes-reserve capacity   | 99                                                    |
|            | Amps/hrs.-20 hr. rate      | 60                                                    |
|            | Location                   | Right Side Front of Engine Compartment                |
| Alternator | Manufacturer               | HITACHI, MITSUBISHI                                   |
|            | Rating (idle/max. rpm)     | 80A                                                   |
|            | Ratio (alt. crank/rev.)    | 2.2                                                   |
|            | Output at idle (rpm, park) | 30A                                                   |
|            | Optional (type & rating)   | N.A.                                                  |
| Regulator  | Type                       | IC REGULATOR                                          |

### Electrical - Starting System

|             |                                   |                    |
|-------------|-----------------------------------|--------------------|
| Motor       | Manufacturer                      | HITACHI/MITSUBISHI |
|             | Current drain _____ °F            | N.A.               |
|             | Power rating [kw (hp)]            | 1.4 KW             |
| Motor drive | Engagement type                   | Solenoid           |
|             | Pinion engages from (front, rear) | Front              |

### Electrical - Ignition System

|             |                                   |                    |
|-------------|-----------------------------------|--------------------|
| Type        | Electronic (std., opt., n.a.)     | Std.               |
|             | Other (specify)                   | N.A.               |
| Coil        | Manufacturer                      | HANSHIN            |
|             | Model                             | SMC-102            |
|             | Current                           | Engine stopped - A |
|             |                                   | 0A                 |
| Spark plug  | Current                           | Engine idling - A  |
|             |                                   | 0.3A               |
|             | Manufacturer                      | NGK                |
|             | Model                             | ZFR5E-11           |
|             | Thread (mm)                       | 14 mm              |
|             | Tightening torque (N-m (lb. ft.)) | 19.6 - 29.4 Nm     |
| Distributor | Gap                               | 1.0 - 1.1 mm       |
|             | Number per cylinder               | 1                  |
|             | Manufacturer                      | HITACHI/MITSUBISHI |
| Distributor | Model                             | D4P87-03/T2T42071  |

### Electrical - Suppression

|                  |                                               |
|------------------|-----------------------------------------------|
| Locations & type | Resistance Type Ignition Cables & Spark Plugs |
|------------------|-----------------------------------------------|

# MVMA Specifications

Vehicle Line NISSAN 240SX

Model Year '90 Issued '89-8 Revised (-) \_\_\_\_\_

## METRIC (U.S. Customary)

Body Type

All Models

### Body

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| Structure                     | Monocoque Body                                                               |
| Bumper system<br>front - rear | Urethane                                                                     |
| Anti-corrosion treatment      | Surface treatment Steel Seat<br>Anti-corrosion Sealant<br>Anti-corrosion Wax |

### Body - Miscellaneous Information

|                                                                 |                                               |                        |
|-----------------------------------------------------------------|-----------------------------------------------|------------------------|
| Type of finish (lacquer, enamel, other)                         |                                               |                        |
| Hood                                                            | Material & mass                               | Steel 17.6 kg          |
|                                                                 | Hinge location (front, rear)                  | Rear                   |
|                                                                 | Type (counterbalance, prop)                   | Prop.                  |
|                                                                 | Release control (internal, external)          | Internal               |
| Trunk lid                                                       | Material & mass                               | Steel                  |
|                                                                 | Type (counterbalance, other)                  | TORSION                |
|                                                                 | Internal release control (elec., mech., n.a.) | Mech.                  |
| Hatch-back lid                                                  | Material & mass                               | Steel                  |
|                                                                 | Type (counterbalance, other)                  | Telescoping Gas Spring |
|                                                                 | Internal release control (elec., mech., n.a.) | Mech.                  |
| Tailgate                                                        | Material & mass                               |                        |
|                                                                 | Type (drop, lift, door)                       |                        |
|                                                                 | Internal release control (elec., mech., n.a.) | N.A.                   |
| Vent window control (crank, friction, pivot, power)             | Front                                         |                        |
|                                                                 | Rear                                          |                        |
| Window regulator type (cable, tape, flex drive, etc.)           | Front                                         | Cable                  |
|                                                                 | Rear                                          | N.A.                   |
| Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.) | Front                                         | Spring + Urethane Foam |
|                                                                 | Rear                                          | Urethane Foam          |
|                                                                 | 3rd seat                                      | N.A.                   |
| Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)   | Front                                         | Spring + Urethane Foam |
|                                                                 | Rear                                          | Frame + Urethane Foam  |
|                                                                 | 3rd seat                                      | N.A.                   |

# MVMA Specifications

Vehicle Line NISSAN 240SX  
 Model Year '90 Issued 89-8 Revised (-)

## METRIC (U.S. Customary)

Body Type

All Models

## Restraint System

| Seating Position |                                                                                                                            |             | Left                                                  | Center | Right                                                 |
|------------------|----------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------|--------|-------------------------------------------------------|
| Active           | Type & description (lap & shoulder belt, lap belt, etc.)<br><br>Standard / optional                                        | First seat  | None                                                  | None   | None                                                  |
|                  |                                                                                                                            | Second seat | Lap & shoulder belt with Retractor                    | None   | Lap & shoulder belt with Retractor                    |
|                  |                                                                                                                            | Third seat  | None                                                  | None   | None                                                  |
| Passive          | Type & description (air bag, motorized 2-point belt, fixed belt, knee bolster, manual lap belt)<br><br>Standard / optional | First seat  | Motorized 2 Point belt, manual lap belt, Knee bolster | None   | Motorized 2 Point belt, manual lap belt, Knee bolster |
|                  |                                                                                                                            | Second seat | None                                                  | None   | None                                                  |
|                  |                                                                                                                            | Third seat  | None                                                  | None   | None                                                  |

| Glass                                                                                 | SAE Ref. No. | COUPE                 | HATCHBACK |
|---------------------------------------------------------------------------------------|--------------|-----------------------|-----------|
| Windshield glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))           | S1           | 9940                  |           |
| Side glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> )) - total 2-sides | S2           | 8360                  | 10880     |
| Backlight glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))            | S3           | 8700                  | 10790     |
| Total glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))                | S4           | 27000                 | 31610     |
| Windshield glass (type)                                                               |              | Laminated             |           |
| Side glass (type)                                                                     |              | Curved Tempered Plate |           |
| Backlight glass (type)                                                                |              | Tempered              |           |

## Headlamps

|                                                            |                     |
|------------------------------------------------------------|---------------------|
| Description - sealed beam, halogen, replaceable bulb, etc. | Sealed Beam Halogen |
| Shape                                                      | Rectangular         |
| Lo-beam type (2A1, 2B1, 2C1, etc.)                         | 2B1                 |
| Quantity                                                   | 2                   |
| Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)                    | 2B1                 |
| Quantity                                                   | 2                   |

## Frame

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

# MVMA Specifications

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (-)

## METRIC (U.S. Customary)

Body Type

All Models

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

|                                               |                                                   |                                       |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------|
| Air conditioning (manual, auto, temp control) |                                                   | Manual                                |
| Clock (digital, analog)                       |                                                   | Std. (Digital) in Instrument Cluster  |
| Compass / thermometer                         |                                                   | None                                  |
| Console (floor, overhead)                     |                                                   | Std. (Floor)                          |
| Defroster, elec. backlight                    |                                                   |                                       |
| Electronic                                    | Diagnostic monitor (integrated, individual)       |                                       |
|                                               | Instrument cluster (list instruments)             |                                       |
|                                               | Keyless entry                                     | None                                  |
|                                               | Tripminder (avg. spd., fuel)                      | None                                  |
|                                               | Voice alert (list items)                          | None                                  |
|                                               | Other                                             |                                       |
| Fuel door lock (remote, key, electric)        |                                                   | Remote                                |
| Lamps                                         | Auto head on / off delay, dimming                 |                                       |
|                                               | Cornering                                         | None                                  |
|                                               | Courtesy (map, reading)                           | Opt.                                  |
|                                               | Door lock, ignition                               |                                       |
|                                               | Engine compartment                                | None                                  |
|                                               | Fog                                               | None                                  |
|                                               | Glove compartment                                 |                                       |
|                                               | Trunk                                             | Std.                                  |
|                                               | Illuminated entry system (list lamps, activation) |                                       |
|                                               | Other                                             | High mount stop lamp                  |
| Mirrors                                       | Day / night (auto, man.)                          | Manual                                |
|                                               | L.H. (remote, power, heated)                      | Std: Manual, Opt: Power               |
|                                               | R.H. (convex, remote, power, heated)              | Std: Convex Manual, Opt: Convex Power |
|                                               | Visor vanity (RH / LH, illuminated)               | RH / LH                               |
| Navigation system (describe)                  |                                                   | None                                  |
| Parking brake-auto release (warning light)    |                                                   |                                       |

# MVMA Specifications

Vehicle Line NISSAN 240SX  
 Model Year '90 Issued '89-8 Revised (+) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

|       |           |
|-------|-----------|
| COUPE | HATCHBACK |
|-------|-----------|

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

|                                            |                                                 |                                                                                                                   |                                       |
|--------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Power equipment                            | Deck lid (release, pull down)                   |                                                                                                                   |                                       |
|                                            | Door locks (manual, automatic, describe system) |                                                                                                                   | Opt.                                  |
|                                            | Seats                                           | 2 - 4 - 6 way, etc.                                                                                               | None                                  |
|                                            |                                                 | Reclining (R.H., L.H.)                                                                                            | None                                  |
|                                            |                                                 | Memory (R.H., L.H., present, recline)                                                                             | None                                  |
|                                            |                                                 | Lumbar, hip, thigh, support                                                                                       | None                                  |
|                                            |                                                 | Heated (R.H., L.H., other)                                                                                        | None                                  |
|                                            | Side windows                                    |                                                                                                                   | Opt.                                  |
|                                            | Vent windows                                    |                                                                                                                   |                                       |
|                                            | Rear windows                                    |                                                                                                                   |                                       |
|                                            |                                                 |                                                                                                                   |                                       |
| Radio systems                              | Antenna (location, whip, w / shield, power)     |                                                                                                                   | Rear Fender Whip & Rear Glass , POWER |
|                                            | Standard                                        | AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc. | AM/FM MPX                             |
|                                            | Optional                                        |                                                                                                                   | AM/FM MPX with Cassette               |
|                                            | Speaker (number, location)                      |                                                                                                                   | 4 Speakers                            |
|                                            | Roof: open air or fixed (flip-up, sliding, "T") |                                                                                                                   | Sliding (Opt)                         |
| Speed control device                       |                                                 | Opt.                                                                                                              |                                       |
| Speed warning device (light, buzzer, etc.) |                                                 | None                                                                                                              |                                       |
| Tachometer (rpm)                           |                                                 | Std.                                                                                                              |                                       |
| Telephone system (describe)                |                                                 | None                                                                                                              |                                       |
| Theft deterrent system                     |                                                 | Steering Lock                                                                                                     |                                       |

# MVMA Specifications

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.

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (-)

| Body Type                        | SAE Ref. No. | COUPE | HATCHBACK |
|----------------------------------|--------------|-------|-----------|
| <b>Width</b>                     |              |       |           |
| Tread (front)                    | W101         | 1465  |           |
| Tread (rear)                     | W102         | 1460  |           |
| Vehicle width                    | W103         | 1690  |           |
| Body width at Sg RP (front)      | W117         | 1688  |           |
| Vehicle width (front doors open) | W120         | 3730  |           |
| Vehicle width (rear doors open)  | W121         |       |           |
| Tumble-home (deg.)               | W122         |       |           |
| Outside mirror width             | W410         |       |           |

|                               |      |      |  |
|-------------------------------|------|------|--|
| <b>Length</b>                 |      |      |  |
| Wheelbase                     | L101 | 2475 |  |
| Vehicle length                | L103 | 4520 |  |
| Overhang (front)              | L104 | 990  |  |
| Overhang (rear)               | L105 | 1055 |  |
| Upper structure length        | L123 | 2400 |  |
| Rear wheel C/L "X" coordinate | L127 | 2475 |  |

|                                     |         |      |     |
|-------------------------------------|---------|------|-----|
| <b>Height*</b>                      |         |      |     |
| Passenger distribution (front/rear) | PD1,2,3 | 2/2  |     |
| Trunk/cargo load                    |         | 18   |     |
| Vehicle height                      | H101    | 1260 |     |
| Cowl point to ground                | H114    | 835  |     |
| Deck point to ground                | H138    | 880  | 925 |
| Rocker panel-front to ground        | H112    | 180  |     |
| Rocker panel-rear to ground         | H111    | 165  |     |
| Windshield slope angle              | H122    | 61°  |     |
| Backlight slope angle               | H121    | 61°  |     |

| Ground Clearance*                           |      |              | WITHOUT SPOILER | WITH SPOILER |
|---------------------------------------------|------|--------------|-----------------|--------------|
| Front bumper to ground                      | H102 | 207          | 207             | 172          |
| Rear bumper to ground                       | H104 | 261          | 266             | 266          |
| Bumper to ground (front at curb mass (wt.)) | H103 | 227          | 224             | 224          |
| Bumper to ground (rear at curb mass (wt.))  | H105 | 307          | 312             | 312          |
| Angle of approach (degrees)                 | H106 | 13°          |                 |              |
| Angle of departure (degrees)                | H107 | 15°          |                 |              |
| Ramp breakover angle (degrees)              | H147 | 12°          |                 |              |
| Axle differential to ground (front/rear)    | H153 | 145          |                 |              |
| Min. running round clearance                | H156 | 110          |                 |              |
| Location of min. run. grd. clear.           |      | FR EXT. TUBE |                 |              |

\* All vehicle 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

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line

NISSAN 240SX

Model Year

'90

Issued '89-8

Revised (-)

Body Type

COUPE

HATCHBACK

## Front Compartment

SAE  
Ref.  
No.

|                                          |     | WITHOUT SUNROOF | WITH SUNROOF | WITHOUT SUNROOF | WITH SUNROOF |
|------------------------------------------|-----|-----------------|--------------|-----------------|--------------|
| SgRP front, "X" coordinate               | L31 | 1500            |              |                 |              |
| Effective head room                      | H61 | 925             | 885          | 925             | 920          |
| Max. eff. leg room (accelerator)         | L34 | 1067            |              |                 |              |
| SgRP to heel point                       | H30 | 153             |              |                 |              |
| SgRP to heel point                       | L53 | 871             |              |                 |              |
| Back angle                               | L40 | 25°             |              |                 |              |
| Hip angle                                | L42 | 90°             |              |                 |              |
| Knee angle                               | L44 | 125°            |              |                 |              |
| Foot angle                               | L48 | 87°             |              |                 |              |
| Design H-point front travel              | L17 | 224.5           |              |                 |              |
| Normal driving & riding seat track trvl. | L23 |                 |              |                 |              |
| Shoulder room                            | W3  | 1430            |              |                 |              |
| Hip room                                 | W5  | 1450            |              |                 |              |
| Upper body opening to ground             | H50 |                 |              |                 |              |
| Steering wheel maximum diameter*         | W9  | 370             |              |                 |              |
| Steering wheel angle                     | H18 |                 |              |                 |              |
| Accel. heel pt. to steer. whl. cntr      | L11 |                 |              |                 |              |
| Accel. heel pt. to steer. whl. cntr      | H17 |                 |              |                 |              |
| Undepressed floor covering thickness     | H67 |                 |              |                 |              |

## Rear Compartment

|                                    |     |      |  |     |  |
|------------------------------------|-----|------|--|-----|--|
| SgRP point couple distance         | L50 | 565  |  |     |  |
| Effective head room                | H63 | 774  |  | 737 |  |
| Min. effective leg room            | L51 | 672  |  |     |  |
| SgRP (second to heel)              | H31 | 233  |  |     |  |
| Knee clearance                     | L48 | 134  |  |     |  |
| Shoulder room                      | W4  | 1380 |  |     |  |
| Hip room                           | W8  |      |  |     |  |
| Upper body opening to ground       | H51 |      |  |     |  |
| Back angle                         | L41 | 27°  |  |     |  |
| Hip angle                          | L43 | 67°  |  |     |  |
| Knee angle                         | L45 | 54°  |  |     |  |
| Foot angle                         | L47 | 100° |  |     |  |
| Depressed floor covering thickness | H73 |      |  |     |  |

## Luggage Compartment

|                                       |      |     |  |     |  |
|---------------------------------------|------|-----|--|-----|--|
| Usable luggage capacity (L (cu. ft.)) | V1   |     |  |     |  |
| Liftover height                       | H195 | 845 |  | 890 |  |

## Interior Volumes (EPA Classification)

|                                   |  |             |  |        |  |
|-----------------------------------|--|-------------|--|--------|--|
| Vehicle class                     |  | Minicompact |  |        |  |
| Interior volume index (cu. ft.)** |  | 79.9        |  | 84.9   |  |
| Trunk / cargo index (cu. ft.)     |  | 8.622       |  | 14.189 |  |

\* See page 14.

\*\* Includes passenger and trunk / cargo index - see definition page 32.

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line NISSAN 240SX  
Model Year '90 Issued '89-8 Revised (+)

Body Type

COUPE

HATCHBACK

SAE  
Ref.  
No.

## Station Wagon - Third Seat

|                       |     |      |
|-----------------------|-----|------|
| 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            | 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. |
| 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 <sup>3</sup> (ft. <sup>3</sup> ))        | V2   | N.A. |
| Hidden cargo volume index (m <sup>3</sup> (ft. <sup>3</sup> )) | V4   | N.A. |
| Cargo volume index-rear of 2-seat                              | V10  | N.A. |

## Hatchback - Cargo Space

|                                                                |      |      |      |
|----------------------------------------------------------------|------|------|------|
| Cargo length at front seatback height                          | L208 |      | 800  |
| Cargo length at floor (front)                                  | L209 |      | 1559 |
| Cargo length at second seatback height                         | L210 |      | 585  |
| Cargo length at floor (second)                                 | L211 |      | 1018 |
| Front seatback to load floor height                            | H197 | None | 552  |
| Second seatback to load floor height                           | H198 | None | 402  |
| Cargo volume index (m <sup>3</sup> (ft. <sup>3</sup> ))        | V3   |      |      |
| Hidden cargo volume index (m <sup>3</sup> (ft. <sup>3</sup> )) | V4   |      |      |
| Cargo volume index-rear of 2-seat                              | V11  |      |      |

**MVMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line NISSAN 240SX  
 Model Year '90 Issued '89-8 Revised (+) \_\_\_\_\_

Body Type \_\_\_\_\_

**Vehicle Fiducial Marks**

| Number* |                      | Define Coordinate Location                            |
|---------|----------------------|-------------------------------------------------------|
| Front   |                      | The Center of the Hole (Ø16) on front Side Member.    |
|         |                      |                                                       |
| Rear    |                      | The Center of the Hole (Ø16) on the Rear Side Member. |
|         |                      |                                                       |
| Front   | Fiducial Mark Number |                                                       |
|         | W21*                 | 373                                                   |
|         | L54*                 | -23                                                   |
|         | H81*                 | 55                                                    |
|         | H161*                | 308                                                   |
|         | H163*                | 285                                                   |
| Rear    | W22*                 | 520                                                   |
|         | L55*                 | 3050                                                  |
|         | H82*                 | 200                                                   |
|         | H162*                | 455                                                   |
|         | H164*                | 413                                                   |

\* Reference - SAE Recommended Practice, J162, Motor Vehicle Fiducial Marks.

**METRIC (U.S. Customary)**

Model Year '90 Issued '89-8 Revised (-)

\*\* ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.  
Refer to ETWC code legend below for test weight class.

|      |   |      |   |      |    |      |
|------|---|------|---|------|----|------|
| 1000 | I | 2000 | Q | 3000 | Y  | 4000 |
| 1125 | J | 2125 | R | 3125 | Z  | 4125 |
| 1250 | K | 2250 | S | 3250 | AA | 4250 |
| 1375 | L | 2375 | T | 3375 | BB | 4375 |
| 1500 | M | 2500 | U | 3500 | CC | 4500 |
| 1625 | N | 2625 | V | 3625 | DD | 4625 |
| 1750 | O | 2750 | W | 3750 | EE | 4750 |
| 1875 | P | 2875 | X | 3875 | FF | 4875 |

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

**METRIC (U.S. Customary)**

Model Year 1990 Issued 189-8 Revised (-) \_\_\_\_\_

[illegible]

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