

# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

## 1993

|                                                                            |                          |         |
|----------------------------------------------------------------------------|--------------------------|---------|
| Manufacturer<br>SUZUKI MOTOR CORPORATION                                   | Vehicle Line<br>SWIFT GT |         |
| Mailing Address<br>HAMAMATSU-NISHI, P.O. BOX 1<br>432-91, HAMAMATSU, JAPAN | Issued<br>July 2, 1992   | Revised |

Direct questions concerning these specifications to the manufacturer listed above.

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Motor Vehicle Manufacturers Association  
of the United States, Inc.  
Forms Provided by Technical Affairs Division

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

**Vehicle Line** SWIFT GT

**Model Year** 1993

**Issued** July 2, 1992

**Revised (\*)** \_\_\_\_\_

**Vehicle Origin**

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Design & development (company)                    | SUZUKI MOTOR CORPORATION          |
| Where built (country)                             | Japan                             |
| Authorized U.S. sales<br>marketing representative | American Suzuki Motor Corporation |

**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) | EPA Fuel<br>Economy<br>(City/Hwy) |
|----------------------------------------------------------|----------------------|------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------|-----------------------------------|
| SWIFT GT (FWD)                                           | 1992.06.01           | 3 Dr Hatchback:AC34S                                             | 2 / 2                                                  | 40<br><br>( 88 )                                 | 28/35                             |

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

## Power Teams

Model Year 1993

**Issued July 2, 1992**

Revised (\*)

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

|                            |                                                    |                        | A              | B | C | D |
|----------------------------|----------------------------------------------------|------------------------|----------------|---|---|---|
| E<br>N<br>G<br>I<br>N<br>E | Engine Code                                        |                        | G13B           |   |   |   |
|                            | Displacement<br>Liters(in3)                        |                        | 1.3(79)        |   |   |   |
|                            | Induction system<br>(FI, Carb, etc)                |                        | MFI            |   |   |   |
|                            | Compression<br>ratio                               |                        | 10.0           |   |   |   |
|                            | SAE<br>Net<br>at<br>RPM                            | Power<br>kW (bhp)      | 73(100)@6,500  |   |   |   |
|                            |                                                    | Torque<br>N-m (lb.ft.) | 113(83)@5,000  |   |   |   |
|                            | Exhaust<br>single, dual                            |                        | Single         |   |   |   |
| T<br>R<br>A<br>N<br>S      | Transmission/<br>Transaxle                         |                        | Manual 5 speed |   |   |   |
|                            | Effective Final Drive /<br>Axle Ratio (std. first) |                        | 4.105          |   |   |   |

[illegible]

**MVMA Specifications****Vehicle Line** SWIFT GT**METRIC (U.S.Customary)****Model Year** 1993**Issued** July 2, 1992**Revised (\*)**Engine Description  
Engine Code

1.3 L Multi point injection

2 dr hatchback

**ENGINE - GENERAL**Type & description (inline, V, angle,  
flat, location, front, mid, rear,  
transverse, longitudinal, sohc, dohc,  
ohv, hemi, wedge, pre-chamber, etc.)

Inline, Front, Transverse, DOHC

**Manufacturer**

SUZUKI MOTOR CORPORATION

**No. of cylinders**

4

**Bore**

74 mm (2.91 in)

**Stroke**

75.5 mm (2.97 in)

**Bore spacing (C/L to C/L)**

84 mm (3.31 in.)

**Cylinder block material & mass kg (lbs.) (machined)**

Aluminum alloy, 15.7 kg

**Cylinder block deck height**

186.8 mm

**Cylinder block length**

372 mm

**Deck clearance (minimum)  
(above or below block)**

0 mm (0 in) above

**Cylinder head material & mass kg (lbs.)**

Aluminum alloy, 9.98 kg

**Cylinder head volume cm3 (inches3)**

29.2 cm3

**Cylinder liner material**

Cast iron

**Head gasket thickness  
(compressed)**

1.2 mm

**Minimum combustion chamber  
total volume cm3 (inches3)**

35.86 cm3

**Cyl.no.system  
(front to rear)\***

L. Bank

1--2--3--4

R. Bank

-----

**Firing order**

1--3--4--2

**Intake manifold material & mass kg (lbs.)\*\***

Aluminum alloy, 4.0 kg (8.8 lbs)

**Exhaust manifold material & mass kg (lbs.)\*\***

Cast iron, 5.3 kg (11.7 lbs)

**Knock sensor (number & location)**

N.A.

**Fuel required unleaded, diesel, etc.**

Unleaded

**Fuel antiknock index (R+M) - 2**

87 or more

**Engine  
mounts****Quantity**

3

Material and type (elastomeric,  
hydroelastic, hydraulic damper, etc.)

Rubber (Elastomeric)

Added isolation (sub-frame,  
crossmember, etc.)

None

**Total dressed engine mass (wt) dry\*\*\***

88 kg

**Engine - Pistons****Material & mass, g**

(weight, oz.) - piston only

Aluminum alloy, 240 g

**Engine - Camshaft****Location**

In cylinder head

**Material & mass kg (weight, lbs.)**

Cast iron, 1.47 kg

**Drive type****Chain / belt**

Belt

**Width / pitch**

25.4 mm / 9.525 mm

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

\*\* Finished state.

\*\*\* Dressed engine mass (weight) includes the following: Oil &amp; Coolant excluded, Air Cleaner, Intake manifold &amp; Exhaust manifold included

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**METRIC (U.S.Customary)****Vehicle Line** SWIFT GT**Model Year** 1993**Issued** July 2, 1992**Revised** (\*)**Engine Description**  
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2 dr hatchback

**Engine - Valve System**

|                                      |                            |               |
|--------------------------------------|----------------------------|---------------|
| Hydraulic lifters (std., opt., n.a.) |                            | std.          |
| Valves                               | Number intake / exhaust    | 8 / 8         |
|                                      | Head O.D. intake / exhaust | 29 mm / 24 mm |

**Engine - Connecting Rods**

|                                     |                            |
|-------------------------------------|----------------------------|
| Material & mass kg., (weight, lbs.) | Forged steel 0.455 (1.003) |
| Length (axes C/L to C/L)            | 120 mm (4.72in)            |

**Engine - Crankshaft**

|                                                 |       |                            |
|-------------------------------------------------|-------|----------------------------|
| Material & mass kg., (weight, lbs.)*            |       | Forged steel 10.67 (23.52) |
| End thrust taken by bearing (no.)               |       | 2                          |
| Length & number of main bearings                |       | 18mm x 5                   |
| Seal (material, one, two<br>Piece design, etc.) | Front | Rubber, 1 piece            |
|                                                 | Rear  | Rubber, 1 piece            |

**Engine - Lubrication System**

|                                                  |                                  |
|--------------------------------------------------|----------------------------------|
| Normal oil pressure kPa (psi) at engine rpm      | 441 (519) @4,000                 |
| Type oil intake (floating, stationary)           | Stationary                       |
| Oil filter system (full flow, part, other)       | Full flow                        |
| Capacity of oil case, less filter-refill-L (qt.) | 3.1 (incl. Filter replace = 3.3) |
| SAE Viscosity Number (Recommended)               | 10W-30                           |

**Engine - Diesel Information**

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

**Engine - Intake System**

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

\* Finished State

Engine Description  
Engine Code

1.3 L Multi point injection

2 dr hatchback

**Engine - Cooling System**

|                                             |                                                   |                                  |
|---------------------------------------------|---------------------------------------------------|----------------------------------|
| Circulation thermostat                      | Type (choke, bypass)                              | Choke                            |
|                                             | Starts to open at °C (°F)                         | 88 (190)                         |
| Water pump                                  | Type (centrifugal, other)                         | Centrifugal                      |
|                                             | GPM 1000 pump rpm                                 | 4.0 gallon/min                   |
|                                             | Number of pumps                                   | 1                                |
|                                             | Drive (V-belt, other)                             | V ribbed belt                    |
|                                             | Bearing type                                      | Ball                             |
|                                             | Impeller material                                 | Steel                            |
|                                             | Housing material                                  | Aluminum alloy                   |
| By-pass recirculation type (inter., ext.)   |                                                   | Ext.                             |
| Cooling system capacity                     | With heater - L (qt.)                             | 4.7                              |
|                                             | With air conditioner - L (qt.)                    | 4.7                              |
|                                             | Opt. equipment specify - L (qt.)                  | N.A.                             |
| Water jackets full length of cyl. (yes, no) |                                                   | Yes                              |
| Water all around cylinder (yes, no)         |                                                   | Yes                              |
| Water jackets open at head face (yes, no)   |                                                   | Yes                              |
| Radiator core                               | Std., A/C, HD                                     | Std                              |
|                                             | Type (cross-flow, etc.)                           | Vertical-flow                    |
|                                             | Construction (fin & tube mechanical, braze, etc.) | Fin & Tube                       |
|                                             | Material, mass kg (wgt., lbs.)                    | Copper & brass, MT:2.8 AT:3.6    |
|                                             | Width                                             | 328                              |
|                                             | Height                                            | 350                              |
|                                             | Thickness                                         | 32                               |
|                                             | Fins per inch                                     | 10                               |
| Radiator end tank material                  |                                                   | Plastics                         |
| Fan                                         | Std., elec., opt.                                 | Std, elec                        |
|                                             | Number of blades & type (flex, solid, material)   | 4, Solid, Plastics               |
|                                             | Number of location (front, rear of radiator)      | Rear                             |
|                                             | Diameter & projected width                        | 300 mm                           |
|                                             | Ratio (fan to crankshaft rev.)                    | N.A.                             |
|                                             | Fan cutout type                                   | -----                            |
|                                             | Drive type (direct, remote)                       | Electric motor drive             |
|                                             | RPM at idle (elec.)                               | 2100 rpm                         |
|                                             | Motor rating (wattage / elec.)                    | 80 W                             |
|                                             | Motor switch (type & location / elec.)            | Bimetal type, on intake manifold |
|                                             | Switch point (temp./pressure/elec.)               | ON/OFF 98/93°C                   |
|                                             | Fan shroud (material)                             | steel                            |

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2 dr hatchback

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

|                                                                       |                                                        |
|-----------------------------------------------------------------------|--------------------------------------------------------|
| Induction type : carburetor, fuel injection system, etc.              | Fuel injection                                         |
| Manufacturer                                                          | HITACHI Co., Ltd.                                      |
| Carburetor no. of barrels                                             | N.A.                                                   |
| Idle A/F mix.                                                         | Preset at manufacture                                  |
| Fuel injection                                                        | Point of injection (no.)                               |
|                                                                       | Port injection (4)                                     |
|                                                                       | Constant, pulse, flow                                  |
|                                                                       | Pulse flow                                             |
| Fuel injection                                                        | Control (electronic, mech.)                            |
|                                                                       | Electronic                                             |
|                                                                       | System pressure kPa (psi)                              |
|                                                                       | 250 KPa (36 psi)                                       |
| Idle spd. - rpm (spec. neutral or drive and propane if used)          | Manual                                                 |
|                                                                       | 850 (neutral)                                          |
|                                                                       | Automatic                                              |
|                                                                       | N.A.                                                   |
| Intake manifold heat control (exhaust or water thermostatic or fixed) | N.A.                                                   |
| Air cleaner type                                                      | Replaceable nonwoven fabric element, Single snorkel    |
| Fuel filter (type / location)                                         | paper / fuel tank side                                 |
| Fuel pump                                                             | Type (elec. or mech.)                                  |
|                                                                       | Electronic                                             |
|                                                                       | Location (eng., tank)                                  |
|                                                                       | Fuel tank                                              |
| Fuel pump                                                             | Pressure range kPa (psi) (*)                           |
|                                                                       | 588 KPa (85 psi)                                       |
|                                                                       | Flow rate at regulated pressure L (gal)/hr @ kPa (psi) |
|                                                                       | 80@250 (21.1@36)                                       |

**Fuel Tank**

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Capacity refill L (gallons)      | 40(10.6)                            |
| Location (describe)              | Under floor - rear                  |
| Attachment                       | Bolts                               |
| Material & Mass kg (weight lbs.) | Steel, 8.6 (18.9)                   |
| Filler pipe                      | Location & material                 |
|                                  | Left side rear quarter panel, Steel |
| Filler pipe                      | Connection to tank                  |
|                                  | Kevlar reinforced rubber hose       |
| Fuel line (material)             | Steel                               |
| Fuel hose (material)             | Rubber                              |
| Return line (material)           | Steel                               |
| Vapor line (material)            | Steel and Rubber                    |
| Extended range tank              | Opt., n.a.                          |
|                                  | N.A.                                |
|                                  | Capacity L (gallons)                |
|                                  | N.A.                                |
| Extended range tank              | Location & material                 |
|                                  | N.A.                                |
|                                  | Attachment                          |
|                                  | N.A.                                |
| Auxiliary tank                   | Opt., n.a.                          |
|                                  | N.A.                                |
|                                  | Capacity L (gallons)                |
|                                  | N.A.                                |
| Auxiliary tank                   | Location & material                 |
|                                  | N.A.                                |
|                                  | Attachment                          |
|                                  | N.A.                                |
| Auxiliary tank                   | Selector switch or valve            |
|                                  | N.A.                                |
| Auxiliary tank                   | Separate fill                       |
|                                  | N.A.                                |

\* Note : Maximum Fuel Pump Pressure with closed valve is stated.

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**Vehicle Emission Control**

|                                         |                                                          |                                                                  |                                        |
|-----------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|----------------------------------------|
| Exhaust<br>Emission<br>Control          | Type (air injection, engine modifications, other)        |                                                                  | Fed:MFI/TWC/O2S Cal : MFI/TWC/O2S/EGR  |
|                                         | Air<br>Injection                                         | Pump or pulse                                                    | N.A.                                   |
|                                         |                                                          | Driven by                                                        | N.A.                                   |
|                                         |                                                          | Air distribution (head, manifold, etc.)                          | N.A.                                   |
|                                         |                                                          | Point of entry                                                   | N.A.                                   |
|                                         | Exhaust<br>Gas<br>Recircula-<br>tion                     | Type (controlled flow, open orifice, other)                      | Fed:N.A. Cal : Backpressure controlled |
|                                         |                                                          | Exhaust source                                                   | Fed:N.A. Cal :Manifold                 |
|                                         |                                                          | Point of exhaust injection (spacer, carburetor, manifold, other) | N.A. Cal :Manifold                     |
|                                         | Catalytic<br>Converter                                   | Type                                                             | Three way cat.                         |
|                                         |                                                          | Number of                                                        | 1                                      |
|                                         |                                                          | Location(s)                                                      | Under Floor                            |
|                                         |                                                          | Volume L (in3)                                                   | 0.901 L (54.9 in3)                     |
|                                         |                                                          | Substrate type                                                   | Monolith                               |
|                                         |                                                          | Noble metal type                                                 | Platinum & Rhodium                     |
|                                         |                                                          | Noble metal concentration (g/cm3)                                | confidential                           |
| Crankcase<br>Emission<br>Control        | Type (ventilates to atmosphere, induction system, other) |                                                                  | Positive Crankcase Ventilation System  |
|                                         | Energy source (manifold vacuum, carburetor, other)       |                                                                  | Manifold vacuum                        |
|                                         | Discharges to (intake manifold, other)                   |                                                                  | Intake manifold                        |
|                                         | Air inlet (breather cap, other)                          |                                                                  | AFM outlet hose                        |
| Evapora-<br>tive<br>Emission<br>Control | Vapor vented to (crankcase, canister, other)             | Fuel tank                                                        | Canister                               |
|                                         |                                                          | Carburetor                                                       | N.A.                                   |
|                                         | Vapor storage provision                                  |                                                                  | Canister                               |
| Electronic<br>system                    | Closed loop (yes/no)                                     |                                                                  | Yes                                    |
|                                         | Open loop (yes/no)                                       |                                                                  | Yes                                    |

**Engine - Exhaust System**

|                                                                                                      |                                 |                                                        |
|------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------|
| Type (single, single with cross-over, dual, other)                                                   |                                 | Single                                                 |
| Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs) |                                 | Muffler 1 , One Reverse Flow with Resonator            |
| Resonator no. & type                                                                                 |                                 | None                                                   |
| Exhaust<br>pipe                                                                                      | Branch o.d., wall thickness     | N.A.                                                   |
|                                                                                                      | Main o.d., wall thickness       | ø35.0 - 1.5 mm (dual)                                  |
|                                                                                                      | Material & Mass kg (weight lbs) | Inner : stainless steel, Outer : Aluminum coated steel |
| Inter-<br>mediate<br>pipe                                                                            | o.d. & wall thickness           | ø54.0 - 1.6 / ø42.7 - 1.2 mm                           |
|                                                                                                      | Material & Mass kg (weight lbs) | Inner : stainless steel, Outer : Aluminum coated steel |
| Tail<br>pipe                                                                                         | o.d. & wall thickness           | ø35.0 - 1.2 mm (dual)                                  |
|                                                                                                      | Material & Mass kg (weight lbs) | Stainless steel                                        |

Engine Description  
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1.3 L Multi point injection

2 dr hatchback

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

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| Manual 4-speed (manufacturer / country)    | N.A.                             |
| Manual 5-speed (manufacturer/country)      | SUZUKI MOTOR CORPORATION / JAPAN |
| Manual 6-speed (manufacturer/country)      | N.A.                             |
| Automatic (manufacturer/country)           | AISIN SEIKI / JAPAN              |
| Automatic overdrive (manufacturer/country) | N.A.                             |

**Manual Transmission / Transaxle**

|                                              |                      |                           |
|----------------------------------------------|----------------------|---------------------------|
| Number of forward speeds                     |                      | 5                         |
| <input checked="" type="radio"/> Gear ratios | 1st                  | 3.416                     |
|                                              | 2nd                  | 1.894                     |
|                                              | 3rd                  | 1.280                     |
|                                              | 4th                  | 0.914                     |
|                                              | 5th                  | 0.757                     |
|                                              | 6th                  | N.A.                      |
|                                              | Reverse              | 3.272                     |
| Synchronous meshing (specify gears)          |                      | All forward gears         |
| Shift lever location                         |                      | Floor mounted             |
| Trans.case mat'l & mass kg (lbs)*            |                      | Aluminum die-cast, 7.7 kg |
| Lubricant                                    | Capacity L (pt.)     | 2.4 L                     |
|                                              | Type recommended     | Gear oil GL-4             |
|                                              | SAE Viscosity number | 75W / 90                  |

P F

**Clutch (Manual Transmission)**

|                                               |                                                  |                                             |
|-----------------------------------------------|--------------------------------------------------|---------------------------------------------|
| Clutch manufacturer                           |                                                  | DAIKIN CLUTCH CORPORATION                   |
| Clutch type (dry, wet, single, multiple disc) |                                                  | Dry, Single disc                            |
| Linkage (hydraulic, cable, rod, lever, other) |                                                  | Cable                                       |
| Max. pedal effort (nom. spring load) N (lbs)  | Depressed                                        | 103                                         |
|                                               | Released                                         | 70                                          |
| Assist (spring, power/percent, nominal)       |                                                  | N.A.                                        |
| Type pressure plate springs                   |                                                  | Diaphragm spring                            |
| Total spring load (nominal) N (lbs)           |                                                  | 3190 N                                      |
| Clutch facing                                 | Facing mfg. & material coding                    | ASAHI SEKIMEN, NC-80A                       |
|                                               | Facing material & construction                   | Non-asbestos, Semi mold                     |
|                                               | Rivets per facing                                | 16                                          |
|                                               | Outside x inside dia. (nominal)                  | 190 x 132 mm                                |
|                                               | Total eff. area cm2 (in2)                        | 147                                         |
|                                               | Thickness (pressure plate side/fly wheel side)   | 3.5 mm / 3.5 mm                             |
|                                               | Rivet depth (pressure plate side/fly wheel side) | Min. 1.3 mm / Min. 1.3 mm                   |
| Engagement cushion method                     |                                                  | Separate cushion type                       |
| Release bearing type & method lub.            |                                                  | Automatic center adjusting type with grease |
| Torsional damping method, springs, hysteresis |                                                  | Spring type                                 |

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

Engine Description  
Engine Code

1.3 L Multi point injection

2 dr hatchback

**Automatic Transmission / Transaxle**

|            |      |
|------------|------|
| Trade Name | N.A. |
|------------|------|

|                                      |      |
|--------------------------------------|------|
| Type and special features (describe) | N.A. |
|--------------------------------------|------|

|                                                     |      |
|-----------------------------------------------------|------|
| <input checked="" type="checkbox"/> Shift mechanics | N.A. |
|-----------------------------------------------------|------|

|               |                                     |      |
|---------------|-------------------------------------|------|
| Gear selector | Location (column, floor, other)     | N.A. |
|               | Ltr./No. designation (e.g. PRND21)  | N.A. |
|               | Shift interlock (yes, no, describe) | N.A. |

|             |         |      |
|-------------|---------|------|
| Gear ratios | 1st     | N.A. |
|             | 2nd     | N.A. |
|             | 3rd     | N.A. |
|             | 4th     | N.A. |
|             | Reverse | N.A. |

|                                                       |      |
|-------------------------------------------------------|------|
| <input checked="" type="checkbox"/> Final drive ratio | N.A. |
|-------------------------------------------------------|------|

|                                                     |      |
|-----------------------------------------------------|------|
| Max. upshift vehicle speed - drive range km/h (mph) | N.A. |
|-----------------------------------------------------|------|

|                                                                   |      |
|-------------------------------------------------------------------|------|
| <input checked="" type="checkbox"/> Max. upshift engine speed RPM | N.A. |
|-------------------------------------------------------------------|------|

|                                              |      |
|----------------------------------------------|------|
| Max. kickdown speed - drive range km/h (mph) | N.A. |
|----------------------------------------------|------|

|                                 |      |
|---------------------------------|------|
| Min. overdrive speed km/h (mph) | N.A. |
|---------------------------------|------|

|                                                         |                               |      |
|---------------------------------------------------------|-------------------------------|------|
| <input checked="" type="checkbox"/> PF Torque converter | Type                          | N.A. |
|                                                         | Torus design                  |      |
|                                                         | Number of elements            | N.A. |
|                                                         | Max. ratio at stall           | N.A. |
|                                                         | Type of cooling (air, liquid) | N.A. |
|                                                         | Nominal diameter              | N.A. |
|                                                         | Capacity factor "K"           | N.A. |

|                                               |      |
|-----------------------------------------------|------|
| <input checked="" type="checkbox"/> Pump type | N.A. |
|-----------------------------------------------|------|

|           |                         |      |
|-----------|-------------------------|------|
| Lubricant | Capacity refill L (pt.) | N.A. |
|           | Type recommended        | N.A. |

|                                                                |      |
|----------------------------------------------------------------|------|
| Oil cooler (std., opt., N.A., internal, external, air, liquid) | N.A. |
|----------------------------------------------------------------|------|

|                                              |      |
|----------------------------------------------|------|
| Transmission mass kg (lbs) & case material** | N.A. |
|----------------------------------------------|------|

**All Wheel / 4 Wheel Drive**

|                                                                                                         |      |
|---------------------------------------------------------------------------------------------------------|------|
| Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.) | N.A. |
|---------------------------------------------------------------------------------------------------------|------|

|               |                        |      |
|---------------|------------------------|------|
| Transfer case | Manufacturer and model | N.A. |
|               | Type and location      | N.A. |

|                      |      |
|----------------------|------|
| Low-range gear ratio | N.A. |
|----------------------|------|

|                              |      |
|------------------------------|------|
| System disconnect (describe) | N.A. |
|------------------------------|------|

|                     |                                                              |      |
|---------------------|--------------------------------------------------------------|------|
| Center differential | Type (bevel, planetary, w or w/o viscous bias, torsen, etc.) | N.A. |
|                     | Torque split (% front / rear)                                | N.A. |

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

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

**MVMA Specifications**  
**METRIC (U.S.Customary)**
**Vehicle Line** SWIFT GT

**Model Year** 1993

**Issued** July 2, 1992

**Revised (\*)**
**Engine Description**  
**Engine Code**

1.3 L Multi point injection

**Axle Ratio and Tooth Combinations**

(See 'Power Teams' for axle ratio usage)

|                                                         |                |           |            |
|---------------------------------------------------------|----------------|-----------|------------|
| Effective final drive ratio (or overall top gear ratio) |                |           | MT : 4.105 |
| Transfer ratio and method (chain, gear, etc.)           |                |           | N.A.       |
| Front drive unit                                        | Ring gear o.d. |           | 184.70 mm  |
|                                                         | No. of teeth   | Pinion    | MT : 19    |
|                                                         |                | Ring gear | MT : 78    |

**Front Drive Unit**

|                                        |                         |                                                        |
|----------------------------------------|-------------------------|--------------------------------------------------------|
| Description (integral to trans., etc.) |                         | Front differential with helical gears and ball bearing |
| Limited slip differential (type)       |                         | N.A.                                                   |
| Drive pinion                           | Type                    | Helical gear                                           |
|                                        | Offset                  | N.A.                                                   |
| No. of differential pinions            |                         | 2                                                      |
| Pinion / differential                  | Adjustment (shim, etc.) | Shim                                                   |
|                                        | Bearing adjustment      | N.A.                                                   |
| Driving wheel bearing (type)           |                         | Ball bearing                                           |
| Lubricant                              | Capacity L (pt.)        | MT: See Page 8                                         |
|                                        | Type recommended        | MT : Gear oil GL-4                                     |
| SAE Viscosity Number                   |                         | MT: See Page 8                                         |
|                                        |                         |                                                        |
|                                        |                         |                                                        |

PF

**Axle Shafts - Front Wheel Drive**

|                                                     |                             |                                |                     |                                              |
|-----------------------------------------------------|-----------------------------|--------------------------------|---------------------|----------------------------------------------|
| Manufacturer and number used                        |                             |                                | NTN CORPORATION , 2 |                                              |
| Type (straight, solid bar, tubular, etc.)           |                             |                                | Left                | Solid bar                                    |
|                                                     |                             |                                | Right               | Solid bar                                    |
| Outer diam. x length* x wall thickness              | Manual transaxle            | Left                           | 22 x 455.7 mm       |                                              |
|                                                     |                             | Right                          | 22 x 546.5 mm       |                                              |
|                                                     | Automatic transaxle         | Left                           | 19.4 x 410.1 mm     |                                              |
|                                                     |                             | Right                          | 19.4 x 591.6 mm     |                                              |
|                                                     | Optional transaxle          | Left                           | N.A.                |                                              |
|                                                     |                             | Right                          | N.A.                |                                              |
| Slip yoke                                           | Type                        |                                | N.A.                |                                              |
|                                                     | Number of teeth             |                                | N.A.                |                                              |
|                                                     | Spline o.d.                 |                                | N.A.                |                                              |
| Universal joints                                    | Make and mfg. no.           |                                | Inner               | NTN CORPORATION 2                            |
|                                                     |                             |                                | Outer               | NTN CORPORATION 2                            |
|                                                     | Number used                 |                                | 4                   |                                              |
|                                                     | Type, size, plunge          |                                | Inner               | Tripod, TJ75                                 |
|                                                     |                             |                                | Outer               | Rzeppa, BJ75                                 |
|                                                     | Attach (u-bolt, clamp, etc) |                                |                     | Serration                                    |
|                                                     | Bearing                     | Type (plain, anti-friction)    |                     | Anti-friction                                |
|                                                     |                             | Lubrication (fitting, prepack) |                     | Prepack                                      |
| Drive taken through (torque tube, arms or springs)  |                             |                                |                     | Lower : Control arm, Upper : McPherson strut |
| Torque taken through (torque tube, arms or springs) |                             |                                |                     | Engine mounting system                       |

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

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**MVMA-93**
**(Front Wheel Drive)**

Model Code/Description And/Or  
Engine Code/Description

1.3 L Multi point injection

2 dr hatchback

FWD

**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.                                                        |
|                                 | Provision for jacking                               | N.A.                                                        |
| Shock absorber damping controls | 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.                                                        |
|                                 | Lateral acceleration                                | N.A.                                                        |
|                                 | Deceleration                                        | N.A.                                                        |
|                                 | Acceleration                                        | N.A.                                                        |
| Shock absorber (front & rear)   | Road surface                                        | N.A.                                                        |
|                                 | Type                                                | Front : McPherson Rear : McPherson, Double acting hydraulic |
|                                 | Make                                                | Front : Showa Rear : Tokico                                 |
|                                 | Pistondiameter (mm)                                 | Front : 30 Rear : 30                                        |
| PF                              | Rod diameter (mm)                                   | Front : 20 Rear : 20                                        |

**Suspension - Front**

|                      |                                                                                 |                                  |
|----------------------|---------------------------------------------------------------------------------|----------------------------------|
| Type and description |                                                                                 | McPherson strut with coil spring |
| Travel*              | Full jounce (mm)                                                                | 100                              |
|                      | Full rebound (mm)                                                               | 50                               |
| Spring               | Type (coil, leaf, other & material)                                             | Coil, Steel                      |
|                      | Insulators (type & material)                                                    | Rubber top only                  |
|                      | Size (Leaf: length & width; Coil design height & i.d.; Bar : length & diameter) | Coil: 286 x 157                  |
|                      | Spring rate N/mm (lb./in.)                                                      | 20.6 (117.5)                     |
|                      | Rate at wheel N/mm (lb./in.)                                                    | 20.6 (117.5)                     |
| Stablizer            | Type (link, linkless, frameless)                                                | Link                             |
|                      | Material & O.D. bar/tube, wall thickness                                        | Steel bar, 24 mm                 |

**Suspension - Rear**

|                      |                                                                                 |                                       |
|----------------------|---------------------------------------------------------------------------------|---------------------------------------|
| Type and description |                                                                                 | McPherson strut, Separate coil spring |
| Travel*              | Full jounce (mm)                                                                | 120                                   |
|                      | Full rebound (mm)                                                               | 50                                    |
| Spring               | Type (coil, leaf, other & material)                                             | Coil, Steel                           |
|                      | Size (Leaf: length & width; Coil design height & i.d.; Bar : length & diameter) | 241 x 95                              |
|                      | Spring rate N/mm (lb./in.)                                                      | 54.9 (313.1)                          |
|                      | Rate at wheel N/mm (lb./in.)                                                    | 21.6 (123.2)                          |
|                      | Insulators (type & material)                                                    | Rubber top only                       |
|                      | If leaf                                                                         | No. of leaves N.A.                    |
|                      | Shackle (comp. or tens.)                                                        | N.A.                                  |
| Stablizer            | Type (link, linkless, frameless)                                                | Link                                  |
|                      | Material & O.D. bar/tube, wall thickness                                        | Steel, 18 mm                          |
| Track bar (type)     |                                                                                 | None                                  |

\* Define load condition:

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1.3 L Multi point injection

2 dr hatchback

**Brakes - Service**

|                                                    |                                                  |                                 |                                                                |
|----------------------------------------------------|--------------------------------------------------|---------------------------------|----------------------------------------------------------------|
| Description                                        |                                                  |                                 | Power - assisted 4-wheel discs (front ventilated / rear solid) |
| Manufacturer and brake type (std., opt., n.a.)     | Front (disc or drum)                             |                                 | Aisin seiki, disc                                              |
|                                                    | Rear (disc or drum)                              |                                 | Tokiko, disc                                                   |
| Valving type (proportion, delay, metering, other)  |                                                  |                                 | Proportion                                                     |
| Power brake (std., opt., n.a.)                     |                                                  |                                 | Std.                                                           |
| Booster type (remote, integral, vac., hyd., etc.)  |                                                  |                                 | Vac.                                                           |
| Vacuum                                             | Source (inline, pump, etc.)                      |                                 | Inline (intake manifold)                                       |
|                                                    | Reservoir (volume in.3)                          |                                 | N.A.                                                           |
|                                                    | Pump-type (elec, gear driven, belt driven)       |                                 | N.A.                                                           |
| Traction assist                                    | Operational speed range                          |                                 | N.A.                                                           |
|                                                    | Type (engine or brake intervention)              |                                 | N.A.                                                           |
| Anti-lock device                                   | Front/rear (std., opt., n.a.)                    |                                 | N.A.                                                           |
|                                                    | Manufacturer                                     |                                 | N.A.                                                           |
|                                                    | Type (electronic, mech.)                         |                                 | N.A.                                                           |
|                                                    | Number sensors or circuits                       |                                 | N.A.                                                           |
|                                                    | Number anti-lock hydraulic circuits              |                                 | N.A.                                                           |
|                                                    | Integral or add-on system                        |                                 | N.A.                                                           |
|                                                    | Yaw control(yes,no)                              |                                 | N.A.                                                           |
|                                                    | Hydraulic power source (ele.,vac,mtr.,pwr.strg.) |                                 | N.A.                                                           |
| PF                                                 | Effective area cm2(in2)                          |                                 | 146/83 (22.6/12.9)                                             |
|                                                    | Gross Lining area cm2(in.2)**(F/R)               |                                 | 151/86 (23.4/13.3)                                             |
|                                                    | Swept area cm2(in.2)*** (F/R)                    |                                 | 1002/802 (155.3/124.3)                                         |
| Rotor                                              | Outerworking diameter                            | F/R                             | 248/237 mm                                                     |
|                                                    | Inner working diameter                           | F/R                             | 172/175 mm                                                     |
|                                                    | Thickness                                        | F/R                             | 18.5/10 mm                                                     |
|                                                    | Material & type (vented/solid)                   | F/R                             | Cast iron, Vented/Solid                                        |
| Drum                                               | Diameter & width (mm)                            | F/R                             | N.A.                                                           |
|                                                    | Type and material                                | F/R                             | N.A.                                                           |
| Wheel cylinder bore (mm)                           |                                                  |                                 | 51.1/30.2                                                      |
| Master cylinder                                    | Bore/stroke                                      | F/R                             | 20.6/28.5 mm                                                   |
| Pedal arc ratio                                    |                                                  |                                 | 4.1:1                                                          |
| Line pressure at 445 N(100lb.) pedal load kPa(psi) |                                                  |                                 | —                                                              |
| Lining clearance                                   |                                                  | F/R                             | self adjusting / self adjusting                                |
| Brake lining                                       | Front wheel                                      | Bonded or riveted (rivets/seg.) | Bonded                                                         |
|                                                    |                                                  | Rivet size                      | N.A.                                                           |
|                                                    |                                                  | Manufacturer                    | AKEBONO BRAKE INDUSTRY Co., Ltd.                               |
|                                                    |                                                  | Lining code*****                | AK V3016 EE                                                    |
|                                                    |                                                  | Material                        | Resin mold                                                     |
|                                                    |                                                  | **** Primary or out-board       | 99.8 X 38.3 X 10                                               |
|                                                    |                                                  | Size Secondary or in-board      | 99.8 X 38.3 X 10                                               |
|                                                    |                                                  | Shoe thickness (no lining)      | 5mm                                                            |
|                                                    | Rear wheel                                       | Bonded or riveted (rivets/seg.) | Bonded                                                         |
|                                                    |                                                  | Manufacturer                    | Nisshin spring                                                 |
|                                                    |                                                  | Lining code*****                | NBK N603 FF                                                    |
|                                                    |                                                  | Material                        | Resin mold                                                     |
|                                                    |                                                  | **** Primary or out-board       | 77 x 20.5 x 8                                                  |
|                                                    |                                                  | Size Secondary or in-board      | 77 x 20.5 x 8                                                  |
|                                                    |                                                  | Shoe thickness (no lining)      | 5                                                              |

\* Excludes rivet holes, grooves, chamfer, 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.

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**Model Code/Description And/Or**  
**Engine Code/Description**
1.3 L Multi point injection
2 dr hatchback
FWD
**Tire And Wheels (Standard)**

|        |                                                             |                           |                            |
|--------|-------------------------------------------------------------|---------------------------|----------------------------|
| Tires  | Tire size (service description)                             |                           | P175/60R14                 |
|        | Type (bias, radial, steel, nylon, etc.)                     |                           | Radial BRIDGESTONE         |
|        | Inflation pressure (cold) for recommended max. vehicle load | Front kPa (psi)           | 180(26)                    |
|        |                                                             | Rear kPa (psi)            | 180(26)                    |
|        | Rev./mile-at 70 km/h (45 mph)                               |                           | 938                        |
| Wheels | Type & material                                             |                           | Drop center, Steel         |
|        | Rim (size & flange type)                                    |                           | 14 x 5J                    |
|        | Wheel offset                                                |                           | 45 mm                      |
|        | Attachment                                                  | Type (bolt or stud & nut) | Stud & nut                 |
|        |                                                             | Circle diameter           | 114.3                      |
| Spare  | Number & size                                               |                           | 4-M12                      |
|        | Tire and wheel                                              |                           | T115/70D14, 14 x 4T        |
|        | Storage position & location (describe)                      |                           | Flat under rear load floor |

**Tire And Wheels (Optional)**

|                                                                                                                                                             |                                                                     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------|
| PF                                                                                                                                                          | <input checked="" type="checkbox"/> Tire size (service description) | N.A. |
|                                                                                                                                                             | Type (bias, radial, steel, nylon, etc.)                             | N.A. |
|                                                                                                                                                             | Wheel (type & material)                                             | N.A. |
|                                                                                                                                                             | Rim (size, flange type and offset)                                  | N.A. |
| <input checked="" type="checkbox"/>                                                                                                                         | Tire size (service description)                                     | N.A. |
|                                                                                                                                                             | Type (bias, radial, steel, nylon, etc.)                             | N.A. |
|                                                                                                                                                             | Wheel (type & material)                                             | N.A. |
|                                                                                                                                                             | Rim (size, flange type and offset)                                  | N.A. |
| <input checked="" type="checkbox"/>                                                                                                                         | Tire size (service description)                                     | N.A. |
|                                                                                                                                                             | Type (bias, radial, steel, nylon, etc.)                             | N.A. |
|                                                                                                                                                             | Wheel (type & material)                                             | N.A. |
|                                                                                                                                                             | Rim (size, flange type and offset)                                  | N.A. |
| <input checked="" type="checkbox"/>                                                                                                                         | Tire size (service description)                                     | N.A. |
|                                                                                                                                                             | Type (bias, radial, steel, nylon, etc.)                             | N.A. |
|                                                                                                                                                             | Wheel (type & material)                                             | N.A. |
|                                                                                                                                                             | Rim (size, flange type and offset)                                  | N.A. |
| <input checked="" type="checkbox"/>                                                                                                                         | Tire size (service description)                                     | N.A. |
|                                                                                                                                                             | Type (bias, radial, steel, nylon, etc.)                             | N.A. |
|                                                                                                                                                             | Wheel (type & material)                                             | N.A. |
|                                                                                                                                                             | Rim (size, flange type and offset)                                  | N.A. |
| 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                 |                                          | Lever-hand oprated  |
| Location of control             |                                          | Between front seat  |
| Operates on                     |                                          | Rear service brakes |
| If separate from service brakes | Type (internal or external)              | N.A.                |
|                                 | Drum diameter                            | N.A.                |
|                                 | Lining size (length x width x thickness) | N.A.                |

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2 dr hatchback

**Steering**

|                                                           |                                   |                        |                                |                          |
|-----------------------------------------------------------|-----------------------------------|------------------------|--------------------------------|--------------------------|
| Manual (std., opt., n.a.)                                 |                                   |                        | Std.                           |                          |
| Power (std., opt., n.a.)                                  |                                   |                        | Opt.                           |                          |
| Speed-sensitive (std., opt., n.a.)                        |                                   |                        | N.A.                           |                          |
| 4-wheel steering (std., opt., n.a.)                       |                                   |                        | N.A.                           |                          |
| Adjustable steering wheel/column (tilt, telescope, other) | Type                              |                        | N.A.                           |                          |
|                                                           | Manufacturer                      |                        | N.A.                           |                          |
|                                                           | (std., opt., n.a.)                |                        | Opt.                           |                          |
| Wheel diameter** (W9) SAE J1100                           |                                   | Manual                 | 365 mm                         |                          |
|                                                           |                                   | Power                  |                                |                          |
| Turning diameter m (ft.)                                  | Outside front                     | Wall to wall (l. & r.) | 10.0                           |                          |
|                                                           |                                   | Curb to curb (l. & r.) | 9.2                            |                          |
|                                                           | Inside rear                       | Wall to wall (l. & r.) | N.A.                           |                          |
|                                                           |                                   | Curb to curb (l. & r.) | N.A.                           |                          |
| Scrub Radius*                                             |                                   |                        | -1                             |                          |
| Manual                                                    | Gear                              | Type                   | Rack and pinion                |                          |
|                                                           |                                   | Manufacturer           |                                | SUZUKI MOTOR CORPORATION |
|                                                           |                                   | Ratios                 | Gear                           | N.A.                     |
|                                                           |                                   |                        | Overall                        | 18:1                     |
|                                                           | No. wheel turns (stop to stop)    |                        | 3.6                            |                          |
| Power                                                     | Type (coaxial, elec., hyd., etc.) |                        | Hyd.                           |                          |
|                                                           | Manufacturer                      |                        | NIPPON POWERSTEERING CO., LTD. |                          |
|                                                           | Gear                              | Type                   | RACK & PINION                  |                          |
|                                                           |                                   | Ratios                 | Gear                           | N.A.                     |
|                                                           |                                   |                        | Overall                        | 18:1                     |
|                                                           | Pump (drive)                      |                        | V-ribbed belt                  |                          |
|                                                           | No. wheel turns (stop to stop)    |                        | 3.6                            |                          |
|                                                           | Linkage                           | Type                   | N.A.                           |                          |
| Location (front or rear of wheel, other)                  |                                   | N.A.                   |                                |                          |
| Tie rods (one or two)                                     |                                   | 2                      |                                |                          |
| Steering axis                                             | Inclination at camber (deg.)      |                        | 25.7                           |                          |
|                                                           | Bearings (type)                   | Upper                  | Ball bearing                   |                          |
|                                                           |                                   | Lower                  | Rubber bush                    |                          |
|                                                           |                                   | Thrust                 | N.A.                           |                          |
| Steering spindle/knuckle & joint type                     |                                   |                        | Serrated shaft                 |                          |

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

\*\* See Page 23

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2 dr hatchback

**Wheel Alignment**

|                                |                           |                               |                |
|--------------------------------|---------------------------|-------------------------------|----------------|
| Front wheel at curb mass (wt.) | Service checking          | Caster (deg.)                 | 3              |
|                                |                           | Camber (deg.)                 | 0              |
|                                |                           | Toe-in outside track-mm (in.) | 0              |
|                                | Service reset*            | Caster (deg.)                 | Not adjustable |
|                                |                           | Camber (deg.)                 | Not adjustable |
|                                |                           | Toe-in - mm (in.)             | Adjustable     |
|                                | Periodic M.V. in-spection | Caster (deg.)                 | 3° +/- 2°      |
|                                |                           | Camber (deg.)                 | 0° +/- 1°      |
|                                |                           | Toe-in - mm (in.)             | 0 +/- 2mm      |
| Rear wheel at curb mass (wt.)  | Service checking          | Camber (deg.)                 | 0° +/- 1°      |
|                                |                           | Toe-in outside track-mm (in.) | 2mm            |
|                                | Service reset*            | Camber (deg.)                 | Not adjustable |
|                                |                           | Toe-in - mm (in.)             | Adjustable     |
|                                | Periodic M.V. in-spection | Camber (deg.)                 | 0° +/- 1°      |
|                                |                           | Toe-in - mm (in.)             | 2 mm +/- 2 mm  |

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

**Electrical - Instruments and Equipment**

|                                                   |                                        |                                                         |                                                                                                                                                                                   |
|---------------------------------------------------|----------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessories and Equipment                         |                                        |                                                         |                                                                                                                                                                                   |
| Speed-ometer                                      | Type (analog, digital, std., opt.)     |                                                         | Analog                                                                                                                                                                            |
|                                                   | Trip odometer (std., opt., n.a.)       |                                                         | std.                                                                                                                                                                              |
| Head-up display                                   | Standard, optional, not available      |                                                         | N.A.                                                                                                                                                                              |
|                                                   | Type                                   | Secondary, opto-electronic                              | N.A.                                                                                                                                                                              |
|                                                   | Speedometer                            | Digital                                                 | N.A.                                                                                                                                                                              |
|                                                   | Status / warning indicators            | Turn signals, high beam, low fuel, check gauges         | N.A.                                                                                                                                                                              |
|                                                   | Brightness control                     | Day / night mode, adjustable                            | N.A.                                                                                                                                                                              |
|                                                   | EGR maintenance indicator              |                                                         | N.A.                                                                                                                                                                              |
| Charge indicator                                  | Type                                   | Telltale warning light                                  |                                                                                                                                                                                   |
|                                                   | Warning device (light, audible)        | Light                                                   |                                                                                                                                                                                   |
| Temperature indicator                             | Type                                   | Electric gauge with pointer                             |                                                                                                                                                                                   |
|                                                   | Warning device (light, audible)        | N.A.                                                    |                                                                                                                                                                                   |
| Oil pressure indicator                            | Type                                   | Telltale warning light                                  |                                                                                                                                                                                   |
|                                                   | Warning device (light, audible)        | Light                                                   |                                                                                                                                                                                   |
| Fuel indicator                                    | Type                                   | Electric gauge with pointer                             |                                                                                                                                                                                   |
|                                                   | Warning device (light, audible)        | N.A.                                                    |                                                                                                                                                                                   |
| Wind-shield wiper                                 | Type (standerd)                        | Electric 2 speed                                        |                                                                                                                                                                                   |
|                                                   | Type (optional)                        | Intermittent                                            |                                                                                                                                                                                   |
|                                                   | Blade length                           | Dr.: 500 mm                                             | As: 450 mm                                                                                                                                                                        |
|                                                   | Swept area cm2(in.2)                   | 6161                                                    |                                                                                                                                                                                   |
| Wind-shield washer                                | Type (standerd)                        | Electric, Lever control : Pull combination switch lever |                                                                                                                                                                                   |
|                                                   | Type (optional)                        | N.A.                                                    |                                                                                                                                                                                   |
|                                                   | Fluid level indicator (light, audible) | N.A.                                                    |                                                                                                                                                                                   |
| Rear window wiper, wiper/washer(std., opt., n.a.) |                                        |                                                         | Std.                                                                                                                                                                              |
| Horn                                              | Type                                   | Electric resonator                                      |                                                                                                                                                                                   |
|                                                   | Number used                            | 1                                                       |                                                                                                                                                                                   |
| Other                                             |                                        |                                                         | Service & parking brake failure warning light, seat belt warning light and buzzer, headlamp high beam indicating light,check engine indicating light turn signal indicating light |

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1.3 L Multi point injection

2 dr hatchback

**Electrical - Supply system**

|            |                            |                                      |
|------------|----------------------------|--------------------------------------|
| Battery    | Manufacturer               | FURUKAWA BATTERY CO., LTD.           |
|            | Model, std., (opt.)        | 55B24R-MF(55B24S-MF) / 1982035       |
|            | Voltage                    | 12 V                                 |
|            | Amps at 0°F cold crank     | 400 Amp                              |
|            | Minutes-reserve capacity   | 70 min.                              |
|            | Amps/hrs.-20hr.rate        | 45 AH                                |
|            | Location                   | Left hand side of engine compartment |
| Alternator | Manufacturer               | NIPPON DENSO                         |
|            | Rating (idle/max.rpm)      | 50A, 55A(2500rpm)*                   |
|            | Ratio (alt. crank/rev.)    | 2.36 : 1                             |
|            | Output at idle (rpm, park) | MT : 18A (750rpm)                    |
|            | Optional (type & rating)   | None                                 |
| Regulator  | Type                       | Integral with alternator             |

**Electrical - Starting System**

|             |                                   |                              |
|-------------|-----------------------------------|------------------------------|
| Motor       | Manufacturer                      | NIPPON DENSO                 |
|             | Current drain _____ °C(°F)        | 200 A max                    |
|             | Power rating kw (hp)              | MT : 1.0                     |
| Motor drive | Engagement type                   | MT : Positive shift solenoid |
|             | Pinion engages from (front, rear) | Front                        |

**Electrical - Ignition System**

|             |                               |                               |
|-------------|-------------------------------|-------------------------------|
| Type        | Electronic (std., opt., n.a.) | Electric spark advance , Std. |
|             | Other (specify)               | High energy ignition          |
| Coil        | Manufacturer                  | HITACHI                       |
|             | Model                         | J002T00871                    |
|             | Current                       | Engine stopped - A 0          |
|             |                               | Engine Idling - A 1.5 A max.  |
| Spark plug  | Manufacturer                  | NGK ND                        |
|             | Model                         | BPR6ES W20EPR-U               |
|             | Thread (mm)                   | M14 x 1.25                    |
|             | Tightening torque N-m (lb-ft) | 20-30 (15-22)                 |
|             | Gap                           | 0.8 mm                        |
|             | Number per cylinder           | 1                             |
| Distributor | Manufacturer                  | HITACHI                       |
|             | Model                         | D4S87-01                      |

**Electrical - Suppression**

|                  |                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Locations & type | Internal alternator capacitor, resister high-tension ignition cables, resister spark plugs, ignition coil by-pass capacitor |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|

\* CAMI

Model Code/Description

2 dr hatchback

**Body**

|                               |                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Structure                     | Unitized frame                                                                                                                                                                                                                                                                                            |
| Bumper system<br>front - rear | Bumper system is composed of energy absorption formed polypropylene, steel member and polypropylene cover.                                                                                                                                                                                                |
| Anti-corrosion treatment      | <ol style="list-style-type: none"> <li>1. Use of surface treated steel plates in major body components.</li> <li>2. Application of vinly chloride coating to floor botton surface and side sill outer surface.</li> <li>3. Application of corrosion protection oil to side sill inner surface.</li> </ol> |

**Body - Miscellaneous Information**

|                                                                 |                                               |                                                     |
|-----------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------|
| PF Type of finish (lacquer, enamel, other)                      |                                               | Enamel                                              |
| Hood                                                            | Material & mass                               | Steel                                               |
|                                                                 | Hinge location (front, rear)                  | Rear                                                |
|                                                                 | Type (counterbalance, prop)                   | Prop                                                |
|                                                                 | Release control (internal, external)          | Internal & external                                 |
| Trunk lid                                                       | Material & mass                               | N.A.                                                |
|                                                                 | Type (counterbalance, other)                  | N.A.                                                |
|                                                                 | Internal release control (elec., mech., n.a.) | N.A.                                                |
| Hatch-back lid                                                  | Material & mass                               | Steel                                               |
|                                                                 | Type (counterbalance, other)                  | Gas dumper stay                                     |
|                                                                 | Internal release control (elec., mech., n.a.) | Mech.                                               |
| Tailgate                                                        | Material & mass                               | N.A.                                                |
|                                                                 | Type (drop, lift, door)                       | N.A.                                                |
|                                                                 | Internal release control (elec., mech., n.a.) | N.A.                                                |
| Vent window control (crank, friction, pivot, power)             | Front                                         | N.A.                                                |
|                                                                 | Rear                                          | 2dr : Pivot 4dr : N.A.                              |
| Window regulator type (cable, tape, flex drive, etc.)           | Front                                         | X arm                                               |
|                                                                 | Rear                                          | Cable                                               |
| Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.) | Front                                         | Bucket type, Steel plate press frame, Urethane mold |
|                                                                 | Rear                                          | Bench type, Steel wire frame, Urethane mold         |
|                                                                 | 3rd seat                                      | N.A.                                                |
| Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)   | Front                                         | Bucket type, Steel pipe frame, Urethane mold        |
|                                                                 | Rear                                          | 50/50 type, Steel pipe frame, Urethane mold         |
|                                                                 | 3rd seat                                      | N.A.                                                |

**Frame**

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

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

**Vehicle Line** SWIFT GT

**Model Year** 1993

**Issued** July 2, 1992

**Revised** (\*)

**Model Code/Description**

2 dr hatchback

**Restraint System**

| Seating Position |                                                                                                      |             | Left                                  | Center | Right                                 |
|------------------|------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|--------|---------------------------------------|
| Active(*)        | Type & description<br>(lap & shoulder belt, lap belt, etc.)                                          | First seat  | N.A.                                  | N.A.   | N.A.                                  |
|                  |                                                                                                      | Second seat | Lap and shoulder belt, ALR + ELR      | N.A.   | Lap and shoulder belt, ALR + ELR      |
|                  | Standard / optional                                                                                  | Third seat  | N.A.                                  | N.A.   | N.A.                                  |
| Passive(*)       | Type & description<br>(air bag, motorized - 2-point belt, fixed belt, knee bolster, manual-lap belt) | First seat  | Door mounted lap & shoulder belt, ELR | N.A.   | Door mounted lap & shoulder belt, ELR |
|                  |                                                                                                      | Second seat | N.A.                                  | N.A.   | N.A.                                  |
|                  | Standard / optional                                                                                  | Third seat  | N.A.                                  | N.A.   | N.A.                                  |

| Glass                                                         |    | SAE Ref. No.           |      |
|---------------------------------------------------------------|----|------------------------|------|
| Windshield glass exposed surface area cm2 (in.2)              | S1 | 8281 cm2 (1284in2)     |      |
| PF Side glass exposed surface area cm2 (in.2) - total 2-sides | S2 | 12384 cm2 (1920in2)    |      |
| Backlight glass exposed surface area cm2(in.2)                | S3 | 4071 cm2 (631 in2)     |      |
| Total glass exposed surface area cm2(in.2)                    | S4 | 24736 cm2 (3834 in2)   |      |
| ⊗ Windshield glass (type/thickness)                           |    | Laminated glass        | 4.89 |
| ⊗ Side glass (type/thickness)                                 |    | Tempered glass         | 3.5  |
| ⊗ Backlight glass (type/thickness)                            |    | Tempered glass         | 3.5  |
| ⊗ Tinted (yes/no, location)                                   |    | Alternatively Optional |      |
| ⊗ Solar control (yes / no, coated / batched, location)        |    | N.A.                   |      |

**Headlamps**

|                                                            |                           |
|------------------------------------------------------------|---------------------------|
| Description (sealed beam, halogen, replaceable bulb, etc.) | Halogen, Replaceable bulb |
| Shape                                                      | Flush                     |
| Lo-beam type (2A1, 2B1, 2C1, etc.)                         | 9004                      |
| Quantity                                                   | 2                         |
| Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)                    | 9004                      |
| Quantity                                                   | 2                         |

\*ELR+ALR functions as ELR in normal use and, after the webbing is fully pulled, functions as ALR for securing child seat. The function returns to ELR when certain length of webbing is retracted.

Engine Code/Description

1.3 L Multi point injection

2 dr hatchback

**Climate Control System**

|                                             |                          |                                   |
|---------------------------------------------|--------------------------|-----------------------------------|
| Air conditioning (std., opt., man., auto.)  |                          | Optional, Manual control          |
| Condenser                                   | Type                     | Corrugated fin type               |
|                                             | Eff. face area (sq. mm.) | 127,400                           |
|                                             | Fins per inch            | 8.5                               |
| Evaporator                                  | Type                     | Single tank laminate              |
|                                             | Eff. face area (sq. mm.) | 44,120                            |
|                                             | Fins per inch            | 7.3                               |
| Heater core                                 | Material                 | Copper                            |
|                                             | Eff. face area (sq. mm.) | 24,990                            |
|                                             | Fins per inch            | 12.7                              |
| Compressor                                  | Type                     | Swash                             |
|                                             | Displacement(cc.)        | 81.6                              |
|                                             | Manufacturer             | NIPPON DENSO CO., LTD.            |
|                                             | A/C pulley ratio         | 1.2                               |
| Accumulator                                 | Type                     | N.A.                              |
|                                             | Height (mm.)             | N.A.                              |
|                                             | Diameter(mm)             | N.A.                              |
| Receiver                                    | Type                     | Dryer, Sight glass, Safety device |
|                                             | Height (mm.)             | 167                               |
|                                             | Diameter(mm)             | 60                                |
| Refrigerant control (CCOT,TVS,etc.)         |                          | Thermostatic expansion valve      |
| Heater water valve (yes/no)                 |                          | No                                |
| Refrigerant (R - 12, R - 134a, etc.)        |                          | R - 12                            |
| Charge level (lbs. - oz.)                   |                          | 1.1 lbs                           |
| Cold engine lockout switch (yes / no)       |                          | No                                |
| Wide open throttle cutout switch (yes / no) |                          | No                                |

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

**Vehicle Line** SWIFT GT

**Model Year** 1993

**Issued** July 2, 1992

**Revised (\*)** \_\_\_\_\_

**Model Code/Description**

2 dr hatchback

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

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

Model Code/Description

2 dr hatchback

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

|                                            |                                                  |                                                                                                                   |                                                   |
|--------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Power equipment                            | Deck lid (release, pull down)                    |                                                                                                                   | N.A.                                              |
|                                            | Door locks (manual, automatic, describe system)  |                                                                                                                   | N.A.                                              |
|                                            | Seats                                            | 2 - 4 - 6 way, etc.                                                                                               | N.A.                                              |
|                                            |                                                  | Reclining (R.H., L.H.)                                                                                            | N.A.                                              |
|                                            |                                                  | Memory (R.H., L.H., present recline)                                                                              | N.A.                                              |
|                                            |                                                  | Support (lumbar, hip, thigh, etc.)                                                                                | N.A.                                              |
|                                            |                                                  | Heated (R.H., other)                                                                                              | N.A.                                              |
|                                            | Side windows                                     |                                                                                                                   | N.A.                                              |
|                                            | Vent windows                                     |                                                                                                                   | N.A.                                              |
|                                            | Rear windows                                     |                                                                                                                   | N.A.                                              |
| Radio systems                              | Antenna (location, whip, w / shield, power)      |                                                                                                                   | Left-front pillar, Whip                           |
|                                            | Standard                                         |                                                                                                                   | Antenna                                           |
|                                            | Optional                                         | AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc. | AM/FM Stereo<br>AM/FM Stereo with cassette        |
|                                            | Speaker (number, location)                       |                                                                                                                   | 2, Instrument panel mounted 2, Quarter tie member |
|                                            | Roof : open air or fixed (flip-up, sliding, "T") |                                                                                                                   | N.A.                                              |
| Speed control device                       |                                                  | N.A.                                                                                                              |                                                   |
| Speed warning device (light, buzzer, etc.) |                                                  | N.A.                                                                                                              |                                                   |
| Tachometer (rpm)                           |                                                  | Std.                                                                                                              |                                                   |
| Telephone system (describe)                |                                                  | N.A.                                                                                                              |                                                   |
| Theft deterrent system                     |                                                  | Steering lock type                                                                                                |                                                   |

**Trailer Towing**

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

\* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

**MVMA Specifications Vehicle Line** SWIFT GT**METRIC (U.S.Customary)****Model Year** 1993**Issued** July 2, 1992**Revised (\*)****Vehicle Dimensions** See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line.

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

**Model Code/Description****SAE  
Ref.  
No.**

2 dr hatchback

FWD

**Width**

|                                  |      |             |
|----------------------------------|------|-------------|
| Tread (front)                    | W101 | 1365 (53.7) |
| Tread (rear)                     | W102 | 1340 (52.8) |
| Vehicle width                    | W103 | 1585 (62.4) |
| Body width at Sg RP (front)      | W117 | 1592        |
| Vehicle width (front doors open) | W120 | 3590        |
| Vehicle width (rear doors open)  | W121 |             |
| Tumble-home (degrees)            | W122 | 22°30'      |
| Outside mirror width             | W410 | 1817        |

**Length**

|                               |      |              |
|-------------------------------|------|--------------|
| Wheelbase                     | L101 | 2265 (89.2)  |
| Vehicle length                | L103 | 3745 (147.4) |
| Overhang (front)              | L104 | 785 (30.9)   |
| Overhang (rear)               | L105 | 695 (27.36)  |
| Upper structure length        | L123 | 2618 (103.1) |
| Rear wheel C/L "X" coordinate | L127 | 2810 (110.6) |

**Height\*\***

|                                     |         |             |    |
|-------------------------------------|---------|-------------|----|
| Passenger distribution (front/rear) | PD1,2,3 | 2 / 2       | .. |
| Trunk/cargo load                    |         |             | .. |
| Vehicle height                      | H101    | 1330 (52.4) |    |
| Cowl point to ground                | H114    | 871         |    |
| Deck point to ground                | H138    | ----        |    |
| Rocker panel-front to ground        | H112    | 193         |    |
| Rocker panel-rear to ground         | H111    | 205 (8.07)  |    |
| Windshield slope angle (degrees)    | H122    | 60°         |    |
| Backlight slope angle(degrees)      | H121    | 51°30'      |    |

**Ground Clearance\*\***

|                                           |      |               |
|-------------------------------------------|------|---------------|
| Front bumper to ground                    | H102 | 190 (7.48)    |
| Rear bumper to ground                     | H104 | 245 (9.65)    |
| Bumper to ground front at curb mass (wt.) | H103 | 210 (8.27)    |
| Bumper to ground rear at curb mass (wt.)  | H105 | 265 (10.43)   |
| Angle of approach (degrees)               | H106 | 18°           |
| Angle of departure (degrees)              | H107 | 20°30'        |
| Ramp breakover angle (degrees)            | H147 | 17°           |
| Axle differential to ground (front/rear)  | H153 | 180           |
| Min. running ground clearance             | H156 | 145 (5.71)    |
| Location of min. run.grd.clear.           |      | Catalyst case |

\*\* All vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions.

EPA Loaded Vehicle Weight is the Base Vehicle Weight Plus All Coolant And Fluids Necessary For Operation Plus 100% Of The Fuel Capacity. Plus The Weight Of All Options And Accessories Which Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line, Plus Two Occupants.

# MVMA Specifications Vehicle Line SWIFT GT

METRIC (U.S. Customary)

Model Year 1993

Issued July 2, 1992

Revised (\*)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

SAE  
Ref.  
No.

2 dr hatchback

FWD

## Front Compartment

|                                          |     |            |
|------------------------------------------|-----|------------|
| SgRP front, "X" coordinate               | L31 | 1850       |
| Effective head room                      | H61 | 960(37.8)  |
| Max. eff. leg room (accelerator)         | L34 | 1079(42.5) |
| SgRP to heel point                       | H30 | 240        |
| SgRP to heel point                       | L53 | 882        |
| Back angle (degrees)                     | L40 | 25°        |
| Hip angle (degrees)                      | L42 | 97°30'     |
| Knee angle (degrees)                     | L44 | 129°       |
| Foot angle (degrees)                     | L46 | 87°        |
| Design H-point front travel              | L17 | 210        |
| Normal driving & riding seat track trvl. | L23 | 210        |
| Shoulder room                            | W3  | 1295(51.0) |
| Hip room                                 | W5  | 1298       |
| *** Upper body opening to ground         | H50 | 1230       |
| Steering wheel maximum diameter*         | W9  | 375        |
| Steering wheel angle (degrees)           | H18 | 26°48'     |
| Accel. heel pt. to steer. whl. cntr      | L11 | 452        |
| Accel. heel pt. to steer. whl. cntr      | H17 | 626        |
| Undepressed floor covering thickness     | H67 | 30         |

## Rear Compartment

|                                    |     |            |
|------------------------------------|-----|------------|
| SgRP point couple distance         | L50 | 660        |
| Effective head room                | H63 | 928(36.5)  |
| Min. effective leg room            | L51 | 757(29.8)  |
| PF SgRP (second to heel)           | H31 | 266        |
| Knee clearance                     | L48 | -73        |
| Shoulder room                      | W4  | 1282(50.5) |
| Hip room                           | W6  | 1080       |
| *** Upper body opening to ground   | H51 | N.A.       |
| Back angle (degrees)               | L41 | 25°        |
| Hip angle (degrees)                | L43 | 76°        |
| Knee angle (degrees)               | L45 | 66°30'     |
| Foot angle (degrees)               | L47 | 112°       |
| Depressed floor covering thickness | H73 | 20         |

## Luggage Compartment

|                                     |      |      |
|-------------------------------------|------|------|
| Usable luggage capacity L (cu. ft.) | V1   | N.A. |
| *** Lifter height                   | H195 | 769  |

## Interior Volumes (EPA Classification)

|                                   |  |            |
|-----------------------------------|--|------------|
| Vehicle class                     |  | subcompact |
| Interior volume index (cu. ft.)** |  | 89.1       |
| Trunk / cargo index (cu. ft.)     |  | 10.3       |

\* See page 14.

\*\* See definition page 33.

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

\*\*\* EPA Loaded Vehicle Weight, Loading Conditions

**MVMA Specifications****Vehicle Line** SWIFT GT**METRIC (U.S.Customary)****Model Year** 1993**Issued** July 2, 1992**Revised (\*)** \_\_\_\_\_**Vehicle Dimensions** See Key Sheets for definitions**Model Code/Description****Station Wagon / MPV\***  
**- Third Seat****SAE  
Ref.  
No.**

2 dr hatchback

|                       |     |      |
|-----------------------|-----|------|
| Seat facing direction | SD1 | N.A. |
| SgRP couple distance  | L85 | N.A. |
| Shoulder room         | W85 | N.A. |
| Hip room              | W86 | N.A. |
| Effective leg room    | L86 | N.A. |
| Effective head room   | H86 | N.A. |
| SgRP to heel point    | H87 | N.A. |
| Knee clearance        | L87 | N.A. |
| Back angle (degrees)  | L88 | N.A. |
| Hip angle (degrees)   | L89 | N.A. |
| Knee angle (degrees)  | L90 | N.A. |
| Foot angle (degrees)  | L91 | N.A. |

**Station Wagon / MPV\* - Cargo Space**

|                                      |      |               |
|--------------------------------------|------|---------------|
| Cargo length (open front)            | L200 | N.A.          |
| Cargo length (open second)           | L201 | N.A.          |
| Cargo length (closed front)          | L202 | N.A.          |
| Cargo length (closed second)         | L203 | N.A.          |
| Cargo length at belt (front)         | L204 | N.A. ( in )   |
| 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 m3(ft.3)          | V2   | N.A.          |
| Hidden cargo volume index m3(ft.3)   | V4   | N.A.          |
| Cargo volume index-rear of 2-seat    | V10  | N.A.          |
| Cargo volume index*                  | V6   | m3 ( cu.ft. ) |
| Cargo width at floor*                | W500 | N.A. ( in )   |
| Maximum cargo height*                | H505 | N.A. ( in )   |

**Hatchback - Cargo Space**

|                                        |      |       |
|----------------------------------------|------|-------|
| Cargo length at front seatback height  | L208 | 1102  |
| Cargo length at floor (front)          | L209 | 1018  |
| Cargo length at second seatback height | L210 | 460   |
| Cargo length at floor (second)         | L211 | 600   |
| Front seatback to load floor height    | H197 | 455   |
| Second seatback to load floor height   | H198 | 427   |
| Cargo volume index m3(ft.3)            | V3   | 0.618 |
| Hidden cargo volume index m3(ft.3)     | V4   | 0.390 |
| Cargo volume index-rear of 2-seat      | V11  | 0.292 |

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

\*MPV - Multipurpose Vehicle

\*\* EPA Loaded Vehicle Weight, Loading Conditions

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

**Vehicle Line** SWIFT GT

**Model Year** 1993

**Issued** July 2, 1992

**Revised (\*)**

**Model Code/  
Description**

2 dr hatchback

**Vehicle Fiducial Marks**

| Fiducial Mark<br>Number*                                     | Define Coordinate Location                                                |
|--------------------------------------------------------------|---------------------------------------------------------------------------|
| Front(1)                                                     | Front suspension strut upper center                                       |
| Front(2)                                                     |                                                                           |
| Rear(1)                                                      | Burring hole center of rear floor side member at rear most bottom surface |
| Rear(2)                                                      |                                                                           |
| <b>Note:</b> Provide<br>3 of 4<br>Fiducial Mark<br>Locations |                                                                           |
| Front                                                        | W21** 512 mm (20.16 in)                                                   |
|                                                              | L54** 569 mm (22.40 in)                                                   |
|                                                              | H81** 525 mm (20.67 in)                                                   |
|                                                              | *** H161** 738 (29.06)                                                    |
|                                                              | *** H163** 738 (29.06)                                                    |
| Rear                                                         | W22** 463 mm (18.23 in)                                                   |
|                                                              | L55** 3260 mm (128.35 in)                                                 |
|                                                              | H82** 159 mm (6.26 in)                                                    |
|                                                              | *** H162** 390 (15.35)                                                    |
|                                                              | *** H164** 390 (15.35)                                                    |

\* Reference-SAE Recommended Practice J182a-motor Vehicle Fiducial Marks.

\*\*Reference-SAE Recommended Practice J1100-Motor Vehicle Dimensions.

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

\*\*\* EPA Loaded Vehicle Weight, Loading Conditions

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

Vehicle Line SWIFT GT

Model Year 1993 Issued July 2, 1992 Revised(•)

[illegible]

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

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

### ETWC LEGEND

| TWO LEGEND |         |         |          |
|------------|---------|---------|----------|
| A =1000    | I =2000 | Q =3000 | Y =4000  |
| B =1125    | J =2125 | R =3125 | Z =4250  |
| C =1250    | K =2250 | S =3250 | AA =4500 |
| D =1375    | L =2375 | T =3375 | BB =4750 |
| E =1500    | M =2500 | U =3500 | CC =5000 |
| F =1625    | N =2625 | V =3625 | DD =5250 |
| G =1750    | O =2750 | W =3750 | EE =5500 |
| H =1875    | P =2825 | X =3875 | FF =5750 |

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