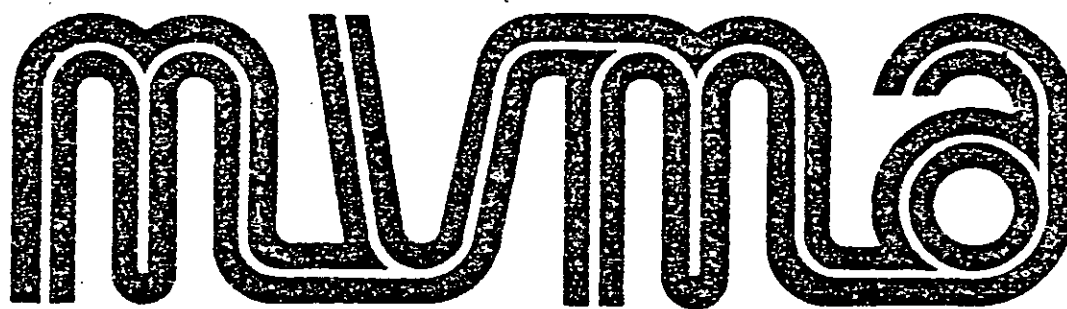




**Specifications**  
**Form**  
**Passenger Car**  
**1983**

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

|                                                                                            |                                    |                           |
|--------------------------------------------------------------------------------------------|------------------------------------|---------------------------|
| <b>Manufacturer</b><br><br>ALFA ROMEO AUTO S.p.A.                                          | <b>Car Line</b><br><br>2000 SPIDER |                           |
| <b>Mailing Address</b><br><br>Centro tecnico<br>V.le Kennedy<br>20020 Arese (Milano) Italy | <b>Model Year</b><br><br>1983      | <b>Issued:</b><br>Jan. 83 |
|                                                                                            |                                    | <b>Revised (*)</b>        |

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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

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

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**NOTE:**

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.
  - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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Car Line 2000 Spider  
Model Year 1983 issued Jan. 83 Revised (•) \_\_\_\_\_

## Car Models

| Model<br>Description | Introduction<br>Date | Make, Car Line,<br>Series, Body Type<br>(Mfr's Model Code) | No. of Designated<br>Seating Positions<br>(Front/Rear) | Max. Truck/Cargo<br>Load—Kilograms<br>(Pounds) |
|----------------------|----------------------|------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------|
| Spider<br>(2 doors)  | MY 83                | Alfa Romeo<br>2000 Spider<br>Type 115.41                   | 2                                                      | 20 Kg                                          |

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**Power Teams** (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

| SERIES<br>AVAILABILITY | ENGINE                                 |                                 |                 |                        |                              |                    | TRANSMISSION | AXLE RATIO<br>(std. first)<br>(indicate A/C ratio) |
|------------------------|----------------------------------------|---------------------------------|-----------------|------------------------|------------------------------|--------------------|--------------|----------------------------------------------------|
|                        | Displ.<br>Liters<br>(in <sup>3</sup> ) | Carb.<br>(Barrels,<br>Fl, etc.) | Compr.<br>Ratio | SAE Net at RPM         |                              | Exhaust<br>System* |              |                                                    |
|                        |                                        |                                 |                 | kW<br>(bhp)            | Torque<br>N - m<br>(lb. ft.) |                    |              |                                                    |
| Spider                 | 1.962                                  | E.F.I.S                         | 9               | 84.5<br>at<br>5500 rpm | 161.7                        | Single             | Manual       | 4.1                                                |

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Engine Description/Carb.  
 Engine Code

1962 c.c.

**ENGINE - GENERAL**

|                                                                                                         |                                       |         |                 |
|---------------------------------------------------------------------------------------------------------|---------------------------------------|---------|-----------------|
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.) | In line 2 over head camshaft in front |         |                 |
| No. of cylinders                                                                                        | 4                                     |         | mm              |
| Bore                                                                                                    | 84                                    |         | mm              |
| Stroke                                                                                                  | 88,5                                  |         | mm              |
| Bore spacing (c/i to c/i)                                                                               | 93                                    |         | mm              |
| Cylinder block material                                                                                 | Aluminium alloy                       |         |                 |
| Cylinder block deck height                                                                              | 291,5                                 |         | mm              |
| Deck clearance (minimum) (above or below block)                                                         | Above 0,1                             |         | mm              |
| Cylinder head material                                                                                  | Aluminium alloy                       |         |                 |
| Cylinder head volume (cm <sup>3</sup> )                                                                 | 91,5                                  |         | cm <sup>3</sup> |
| Head gasket thickness (compressed)                                                                      | 1.5                                   |         | mm              |
| Minimum combustion chamber volume (cm <sup>3</sup> )                                                    | 58,5                                  |         | cm <sup>3</sup> |
| Cyl. no. system (front to rear)*                                                                        | L. Bank                               | 1.2.3.4 |                 |
|                                                                                                         | R. Bank                               |         |                 |
| Firing order                                                                                            | 1.3.4.2                               |         |                 |
| Recommended fuel (leaded, unleaded, diesel)                                                             | Premium                               |         |                 |
| Fuel antiknock index (R + M) 2                                                                          | 87 91 RON<br>83 MON                   |         |                 |
| Total dressed engine mass (wt) dry**                                                                    | 146                                   |         | Kg              |

**Engine - Pistons**

|                                     |                 |   |
|-------------------------------------|-----------------|---|
| Material                            | Aluminium Alloy |   |
| Mass, g (weight, oz.) - Piston Only | 445             | g |

**Engine - Camshaft**

|                               |                    |          |
|-------------------------------|--------------------|----------|
| Location                      | 2 overhead         |          |
| Material (kg, weight, lbs.)   | Casehardened steel |          |
| Mass (kg, weight, lbs.)       | R. 1.887 L. 1.910  | Kg       |
| Type of drive (chain or belt) | Width              | 22,86 mm |
|                               | Pitch              | 9,525 mm |

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

\*\* Dressed engine mass (weight) includes the following: all. equipment accessories attached to engine such: injection system intake manifold and filter, alternator, starting motor, exhaust gas manifold.

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1962 c.c.

**Engine - Valve System**

|                          |           |      |
|--------------------------|-----------|------|
| Lifters (std, opt, n.a.) | Hydraulic | N.A. |
|                          | Solid     | std  |

**Engine - Connecting Rods**

|                                    |                                          |
|------------------------------------|------------------------------------------|
| Material & mass (kg, weight, lbs.) | Drop forged, hardened and tempered steel |
|------------------------------------|------------------------------------------|

**Engine - Crankshaft**

|                                   |                                                       |    |
|-----------------------------------|-------------------------------------------------------|----|
| Material (kg, weight, lbs.)       | Drop forged hardened tempered and soft nitrided steel |    |
| Mass (kg, weight, lbs.)           | 19                                                    | Kg |
| End thrust taken by bearing (no.) | N°3 central                                           |    |

**Engine - Lubrication System**

|                                               |                              |        |
|-----------------------------------------------|------------------------------|--------|
| Normal oil pressure (kPa (psi) at engine rpm) | 442 + 490 kPa at 5500 r.p.m. |        |
| Type oil intake (floating, stationary)        | stationary                   |        |
| Oil filter system (full flow, part, other)    | full flow                    |        |
| Capacity of c/case, less filter-refill-L (qt) | 3.360                        | liters |

**Engine - Diesel Information**

|                                    |                              |  |
|------------------------------------|------------------------------|--|
| Glow plug, current drain at 0°F    |                              |  |
| Injector nozzle                    | Type                         |  |
|                                    | Opening pressure (kPa (psi)) |  |
| Pre-chamber design                 |                              |  |
| Fuel injection pump                | Manufacturer                 |  |
|                                    | Type                         |  |
| Supplementary vacuum source (type) |                              |  |

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1962 c.c.

**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        | <i>MULTI-POINT</i> |
| Carburetor                                                             | Mfr.                                                       |                       |                    |
|                                                                        | Choke (type)                                               |                       |                    |
|                                                                        | Idle spd.-rpm (spec. neutral or drive and propane if used) | Manual                |                    |
|                                                                        |                                                            | Automatic             |                    |
| Idle A/F mix.                                                          |                                                            | (0.3 + 1.5) %         |                    |
| Fuel injection                                                         | Point of injection (no.)                                   | 7° B.T.D.C.           |                    |
|                                                                        | Constant, pulse, flow                                      | Constant              |                    |
|                                                                        | Control (electronic, mech.)                                | Electronic            |                    |
|                                                                        | System pressure (kPa (psi))                                | 300 kPa               |                    |
| Intake manifold heat control (exhaust or water: thermostatic or fixed) |                                                            | water                 |                    |
| Air cleaner type                                                       | Standard                                                   | Replacement Paper std |                    |
|                                                                        | Optional                                                   |                       |                    |
| Fuel pump                                                              | Type (elec. or mech.)                                      | Electrical            |                    |
|                                                                        | Location (eng., tank)                                      | Under floor           |                    |
|                                                                        | Pressure range (kPa (psi))                                 | 118 + 196 kPa         |                    |

**Fuel Tank**

|                               |                          |                             |        |
|-------------------------------|--------------------------|-----------------------------|--------|
| Capacity (refill L (gallons)) |                          | 46                          | liters |
| Location (describe)           |                          | in the luggage compartement |        |
| Attachment                    |                          | 3 screws                    |        |
| Material                      |                          | FeP Zn 8 III                |        |
| Filler Pipe                   | Location & material      | Rear left side              |        |
|                               | Connection to tank       | Welded                      |        |
| Fuel line (material)          |                          | Steel tube for petrol       |        |
| Fuel hose (material)          |                          | Rubber                      |        |
| Return line (material)        |                          | Steel tube for petrol       |        |
| Vapor line (material)         |                          | Rubber                      |        |
| Extended range tank           | Opt. n.a.                |                             |        |
|                               | Capacity [L (gallons)]   |                             |        |
|                               | Location & material      |                             |        |
|                               | Attachment               |                             |        |
| Auxiliary tank                | Opt. n.a.                |                             |        |
|                               | Capacity [L (gallons)]   |                             |        |
|                               | Location & material      |                             |        |
|                               | Attachment               |                             |        |
|                               | Selector switch or valve |                             |        |
| Separate fill                 |                          |                             |        |

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 Engine Code

1962 c.c.

**Engine - Cooling System**

|                                                                                      |                                                 |                                                    |                    |
|--------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------|--------------------|
| Coolant recovery system (std., opt., n.a.)                                           |                                                 | Std                                                |                    |
| Coolant fill location (rad., bottle)                                                 |                                                 | bottle                                             |                    |
| Radiator cap relief valve pressure (kPa (psi))                                       |                                                 | 69 kPa                                             |                    |
| Circulation thermostat                                                               | Type (choke, bypass)                            | by pass controlled                                 |                    |
|                                                                                      | Starts to open at °C (°F)                       | 83° + 2 °C                                         |                    |
| Water pump                                                                           | Type (centrifugal, other)                       | Centrifugal                                        |                    |
|                                                                                      | GPM 1000 pump rpm                               | 400 l/h at 1000 R.P.M. with open circuit No heater |                    |
|                                                                                      | Number of pumps                                 | one                                                |                    |
|                                                                                      | Drive (V-belt, other)                           | V-belt                                             |                    |
|                                                                                      | Bearing (type)                                  | Ball-Integral shaft Permanently molded             |                    |
| By-pass recirculation (type (inter., ext.))                                          |                                                 | external                                           |                    |
| Radiator core (type (cross-flow vertical cellular tube and fin, other) and material) |                                                 | Tube and fin vertical flow                         |                    |
| Cooling system capacity                                                              | With heater - L (qt.)                           | 9.7                                                | liters             |
|                                                                                      | With air cond - L (qt.)                         | 8.2                                                | liters             |
|                                                                                      | Opt. equipment (specify - L (qt.))              | N.A.                                               |                    |
| Water jackets full length of cyl. (yes, no)                                          |                                                 | No                                                 |                    |
| Water all around cylinder (yes, no)                                                  |                                                 | Yes                                                |                    |
| Radiator core                                                                        | Standard                                        | Width                                              | 454 mm             |
|                                                                                      |                                                 | Height                                             | 323 mm             |
|                                                                                      |                                                 | Thickness                                          | 43 mm              |
|                                                                                      |                                                 | Fins per inch                                      |                    |
|                                                                                      | A/C                                             | Width                                              |                    |
|                                                                                      |                                                 | Height                                             |                    |
|                                                                                      |                                                 | Thickness                                          |                    |
|                                                                                      |                                                 | Fins per inch                                      |                    |
|                                                                                      | Heavy duty                                      | Width                                              |                    |
|                                                                                      |                                                 | Height                                             |                    |
|                                                                                      |                                                 | Thickness                                          |                    |
|                                                                                      |                                                 | Fins per inch                                      |                    |
| Fan (standard)                                                                       | Number of blades & type (flex, solid, material) |                                                    | 6 blades 50° - 70° |
|                                                                                      | Diameter & projected width                      |                                                    | 300 mm             |
|                                                                                      | Ratio (fan to crankshaft rev.)                  |                                                    | 1.2                |
|                                                                                      | Fan cutout type                                 |                                                    | N.A.               |
|                                                                                      | Drive (type (direct, remote))                   |                                                    | Belt-one           |
|                                                                                      | Fan shroud (material)                           |                                                    |                    |
| Fan (electric)                                                                       | Diameter & projected width                      |                                                    |                    |
|                                                                                      | RPM at idle                                     |                                                    |                    |
|                                                                                      | Motor rating (wattage)                          |                                                    |                    |
|                                                                                      | Motor switch (type & location)                  |                                                    |                    |
|                                                                                      | Switch point (temp., pressure)                  |                                                    |                    |
|                                                                                      | Fan shroud (material)                           |                                                    |                    |
| Fan (optional)                                                                       | No. of blades and spacing                       |                                                    |                    |
|                                                                                      | Diameter & projected width                      |                                                    |                    |
|                                                                                      | Ratio (fan to crankshaft rev.)                  |                                                    |                    |
|                                                                                      | Fan cut-out (type)                              |                                                    |                    |
|                                                                                      | Drive (type, direct, remote)                    |                                                    |                    |

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**Vehicle Emission Control**

|                                         |                                                          |                                                                  |                            |  |
|-----------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|----------------------------|--|
| Exhaust<br>Emission<br>Control          | Type (air injection, engine modifications, other)        |                                                                  | E.F.I.S./T.W.C+Closed loop |  |
|                                         | Air<br>Injection                                         | Pump (type)                                                      | /                          |  |
|                                         |                                                          | Driven by                                                        | /                          |  |
|                                         |                                                          | Air distribution (head, manifold, etc.)                          | /                          |  |
|                                         |                                                          | Point of entry                                                   | /                          |  |
|                                         | Exhaust<br>Gas<br>Recirculation                          | Type (controlled flow, open orifice, other)                      | /                          |  |
|                                         |                                                          | Exhaust source                                                   | /                          |  |
|                                         |                                                          | Point of exhaust injection (spacer, carburetor, manifold, other) | /                          |  |
|                                         | Catalytic<br>Converter                                   | Type                                                             | T.V.C.                     |  |
|                                         |                                                          | Number of                                                        | one                        |  |
| Location(s)                             |                                                          | forward under floor                                              |                            |  |
| Volume [L (in <sup>3</sup> )]           |                                                          | 3.4                                                              | liter                      |  |
| Substrate type                          |                                                          | 2 monolithic                                                     |                            |  |
| Crankcase<br>Emission<br>Control        | Type (ventilates to atmosphere, induction system, other) |                                                                  | Induction system           |  |
|                                         | Energy source (manifold vacuum, carburetor, other)       |                                                                  | Manifold vacuum            |  |
|                                         | Discharges (to intake manifold, other)                   |                                                                  | To intake manifold         |  |
|                                         | Air inlet (breather cap, other)                          |                                                                  | /                          |  |
| Evapora-<br>tive<br>Emission<br>Control | Vapor vented to (crankcase, canister, other)             | Fuel tank                                                        | /                          |  |
|                                         |                                                          | Carburetor                                                       | /                          |  |
|                                         | Vapor Storage provision (crankcase, canister, other)     |                                                                  | Canister                   |  |

**Engine - Exhaust System**

|                                                                      |                            |                                                   |    |
|----------------------------------------------------------------------|----------------------------|---------------------------------------------------|----|
| Type (single, single with cross-over, dual, other)                   |                            | Single                                            |    |
| Muffler no. & type (reverse flow, straight thru, separate resonator) |                            | 1st catalytic converter 2nd and 3rd straight thru |    |
| Resonator no. & type                                                 |                            | 2 filled with lana di roccia                      |    |
| Exhaust<br>pipe                                                      | Branch o.d. wall thickness | 38x4.5 cast iron                                  | mm |
|                                                                      | Main o.d. wall thickness   | 38x1.5                                            | mm |
|                                                                      | Material                   | stainless steel tubes                             |    |
| Inter-<br>mediate<br>pipe                                            | o.d. & wall thickness      | 50x1.5                                            | mm |
|                                                                      | Material                   | steel tubes                                       |    |
| Tail<br>pipe                                                         | o.d. & wall thickness      | 50x1.5                                            | mm |
|                                                                      | Material                   | steel tubes                                       |    |

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Engine Description/Carb.  
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1962 c.c.

**Electrical - Supply System**

|                         |                                 |                                                    |
|-------------------------|---------------------------------|----------------------------------------------------|
| Battery                 | Voltage rtg. (V & total plates) | 12                                                 |
|                         | Minimum reserve cranking        |                                                    |
|                         | SAE capacity (amps)             | Capacity 66 AMP . Hour                             |
|                         | Location                        | Right side or rear trunk covered by plastic shield |
| Generator or alternator | Type and rating                 | Alternator 55 A                                    |
|                         | Ratio (alt. crank/rev.)         | 1.93 : 1                                           |
|                         | Optional (type & rating)        | /                                                  |
| Regulator               | Type                            | Voltage control                                    |

**Electrical - Starting System**

|              |                                  |           |
|--------------|----------------------------------|-----------|
| Start. motor | Current drain at 0°F             | /         |
| Motor drive  | Engagement type                  | Sollonoid |
|              | Pinion engages from (front/rear) | Front     |

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**Electrical — Ignition System**

|             |                                   |                    |                                              |     |
|-------------|-----------------------------------|--------------------|----------------------------------------------|-----|
| Type        | Conventional (std., opt., n.a.)   |                    | N.A.                                         |     |
|             | Transistorized (std., opt., n.a.) |                    | Std H.E.                                     |     |
|             | Other (specify)                   |                    | N.A. DIGITAL                                 |     |
| Coil        | Make                              |                    | Bosch                                        |     |
|             | Model                             |                    | 0.221.122.026                                |     |
|             | Current                           | Engine stopped — A | 1                                            | Amp |
|             |                                   | Engine idling — A  | 1                                            | Amp |
| Spark plug  | Make                              |                    | Lodge                                        |     |
|             | Model                             |                    | HL-E                                         |     |
|             | Thread (mm)                       |                    | 1.14 x 1.25                                  |     |
|             | Tightening torque (N-m (lb. ft.)) |                    | 25+34 with graphite                          |     |
|             | Gap                               |                    | 0.31-0.41 surface gap from central electrode |     |
| Distributor | Make                              |                    | Bosch                                        |     |
|             | Model                             |                    | 0.237.501.002                                |     |

**Electrical — Suppression**

|                  |                              |
|------------------|------------------------------|
| Locations & type | Resistor type ignition cable |
|------------------|------------------------------|

**Electrical — Instruments and Equipment**

|                           |                                                  |                                              |
|---------------------------|--------------------------------------------------|----------------------------------------------|
| Speedometer               | Type                                             | Magnetic torque drive                        |
|                           | Trip odometer (std., opt., n.a.)                 | Std                                          |
| EGR maintenance indicator |                                                  | N.A.                                         |
| Charge indicator          | Type                                             | The bulb lights with alternator not charging |
|                           | Warning device                                   | Lamp                                         |
| Temperature indicator     | Type                                             | Electric gauge                               |
|                           | Warning device                                   | N.A.                                         |
| Oil pressure indicator    | Type                                             | Electric gauge                               |
|                           | Warning device                                   | Lamp for low pressure                        |
| Fuel indicator            | Type                                             | Electric gauge                               |
|                           | Warning device                                   | Lamp for reserve                             |
| Windshield wiper          | Type (standard)                                  | Electric 2 speed and start stop operation    |
|                           | Type (optional)                                  | /                                            |
|                           | Blade length                                     | 400 mm                                       |
|                           | Swept area (cm <sup>2</sup> (in. <sup>2</sup> )) | 4143 cm <sup>2</sup>                         |
| Windshield washer         | Type (standard)                                  | Electric                                     |
|                           | Type (optional)                                  | /                                            |
|                           | Fluid level indicator                            | /                                            |
| Horn                      | Type                                             | Bitonal sea sheel                            |
|                           | Number used                                      | 2                                            |

Other

all. std

1) Tachometer 2) Handbrake and low brake fluid level warning lamp 3) Parking light 4) Fuel feed system low pressure warning lamp 5) Heater blower warning lamp 6) Throttle warning lamp 7) Seat belt signal and warning

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Engine Description/Carb.  
 Engine Code

1962 c.c.

**Transmissions**

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

**Manual Transmission**

|                                     |                      |                    |
|-------------------------------------|----------------------|--------------------|
| Number of forward speeds            |                      | 5                  |
| Transmission ratios                 | In first             | 3.30               |
|                                     | In second            | 1.99               |
|                                     | In third             | 1.35               |
|                                     | In fourth            | 1.00               |
|                                     | In fifth             | 0.79               |
|                                     | In overdrive         | /                  |
|                                     | In reverse           | 3.01               |
| Synchronous meshing (specify gears) |                      | 1.2.3.4.5          |
| Shift lever location                |                      | floor              |
| Lubricant                           | Capacity [L (pt.)]   | 1.85 liters        |
|                                     | Type recommended     | see footnote A     |
|                                     | SAE viscosity number | Summer SAE 85 W/90 |
|                                     |                      | Winter SAE 85 W/90 |
|                                     |                      | Extreme cold /     |

**Clutch (Manual Transmission)**

|                             |                                                       |                                   |
|-----------------------------|-------------------------------------------------------|-----------------------------------|
| Make & type                 |                                                       | Fichtel and Sachs dry disc        |
| Type pressure plate springs |                                                       | cone diaphragm                    |
| Total spring load [N (lb.)] |                                                       | 4600±5200                         |
| No. of clutch driven discs  |                                                       | one                               |
| Clutch facing               | Material                                              | S50/17                            |
|                             | Manufacturer                                          | Textar                            |
|                             | Part number                                           | Alfa Romeo 105.12.12.032.00       |
|                             | Rivets/plate                                          | 16                                |
|                             | Rivet size                                            | Dia 5 Length 5.3 mm               |
|                             | Outside & inside dia.                                 | 216 x 144 mm                      |
|                             | Total eff. area [cm <sup>2</sup> (in. <sup>2</sup> )] | 406.96 cm <sup>2</sup>            |
|                             | Thickness                                             | 8.9 New 5.3 Worn                  |
|                             | Engagement cushion method                             | Flat Wave spring                  |
| Release bearing             | Type & method of lubrication                          | Ball Bearing Permanent Lubricated |
| Torsional damping           | Method: springs, friction material                    | Coil springs and friction washer  |

A) Classification SAE 85 W/90 commercial  
 or AGIP L5 equivalents

AGIP F1 ROTRA MP  
 SAE 85 W/90  
 SHELL SPIRA 90HD  
 IP PONTIAC HD  
 SAE 85 W/90

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**Automatic Transmission**

|                                                |                               |  |
|------------------------------------------------|-------------------------------|--|
| Trade name                                     |                               |  |
| Type (describe)                                |                               |  |
| Selector                                       | Location                      |  |
|                                                | Ltr./No. designation          |  |
| Gear ratios                                    | R                             |  |
|                                                | D                             |  |
|                                                | L <sub>3</sub>                |  |
|                                                | L <sub>2</sub>                |  |
|                                                | L <sub>1</sub>                |  |
| Max. upshift speed - drive range [km/h (mph)]  |                               |  |
| Max. kickdown speed - drive range [km/h (mph)] |                               |  |
| Min. overdrive speed [km/h (mph)]              |                               |  |
| Torque converter                               | Number of elements            |  |
|                                                | Max. ratio at stall           |  |
|                                                | Type of cooling (air, liquid) |  |
|                                                | Nominal diameter              |  |
| Lubricant                                      | Capacity [refill L (pt.)]     |  |
|                                                | Type recommended              |  |
| Special transmission features                  |                               |  |

**Axle or Front Wheel Drive Unit**

|                                   |                      |                                               |   |   |   |   |   |   |
|-----------------------------------|----------------------|-----------------------------------------------|---|---|---|---|---|---|
| Type (front, rear)                |                      | Rear                                          |   |   |   |   |   |   |
| Description                       |                      | Live axle with final drive of hypoid type     |   |   |   |   |   |   |
| Limited slip differential (type)  |                      | Friction disc-optional                        |   |   |   |   |   |   |
| Drive pinion offset               |                      | 31.75 mm                                      |   |   |   |   |   |   |
| Drive pinion (type)               |                      | 2                                             |   |   |   |   |   |   |
| No. of differential pinions       |                      | Hypoid                                        |   |   |   |   |   |   |
| Pinion adjustment (shim, other)   |                      | shim                                          |   |   |   |   |   |   |
| Pinion bearing adj. (shim, other) |                      | shim                                          |   |   |   |   |   |   |
| Driving wheel bearing (type)      |                      | Ball bearing Permanently lubricated           |   |   |   |   |   |   |
| Lubricant                         | Capacity [L (pt.)]   | 1.4 liters                                    |   |   |   |   |   |   |
|                                   | Type recommended     | Some type as gearbox. See manual transmission |   |   |   |   |   |   |
|                                   | SAE viscosity number | Summer                                        | " | " | " | " | " | " |
|                                   |                      | Winter                                        | " | " | " | " | " | " |
| Extreme cold                      |                      | "                                             | " | " | " | " | " |   |

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

|                             |                     |         |
|-----------------------------|---------------------|---------|
| Axle ratio or overall ratio |                     | 4.1     |
| No. of teeth                | Pinion              | 10      |
|                             | Ring gear or gear   | 41      |
| Ring gear o.d.              |                     | 184.526 |
| Transaxle                   | Transfer gear ratio |         |
|                             | Final drive ratio   |         |

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**Axle Shafts — Front Wheel Drive**

|                                                     |                              |                             |
|-----------------------------------------------------|------------------------------|-----------------------------|
| Number used                                         |                              |                             |
| Type (straight, solid bar, tubular, etc.)           | Left                         |                             |
|                                                     | Right                        |                             |
| Outer diam. x length x wall thickness               | Manual transmission          | Left                        |
|                                                     |                              | Right                       |
|                                                     | Automatic transmission       | Left                        |
|                                                     |                              | Right                       |
|                                                     | Optional transmission        | Left                        |
|                                                     |                              | Right                       |
| Spline                                              | Type                         |                             |
|                                                     | Number of teeth              |                             |
|                                                     | Spline o.d.                  |                             |
| Universal joints                                    | Make and mfg. no.            | Inner                       |
|                                                     |                              | Outer                       |
|                                                     | Number used                  |                             |
|                                                     | Type, size, plunge           | Inner                       |
|                                                     |                              | Outer                       |
|                                                     | Attach (u-bolt, clamp, etc.) |                             |
|                                                     | Bearing                      | Type (plain, anti-friction) |
| Lubric. (fitting, prepack)                          |                              |                             |
| Drive taken through (torque tube, arms or springs)  |                              |                             |
| Torque taken through (torque tube, arms or springs) |                              |                             |

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

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**Propeller Shaft — Conventional Drive**

|                                                                    |                                                                                                        |                                                                    |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Type (straight tube, tube-in-tube, internal-external damper, etc.) |                                                                                                        | <b>Straight tube</b>                                               |
| Outer diam. x length* x wall thickness                             | Manual 3-speed trans.                                                                                  | <b>N.A.</b>                                                        |
|                                                                    | Manual 4-speed trans.                                                                                  | <b>N.A.</b>                                                        |
|                                                                    | Manual 5-speed trans.                                                                                  | <b>Front 70x567x2 Rear 70x62x2 mm</b>                              |
|                                                                    | Overdrive                                                                                              | <b>N.A.</b>                                                        |
|                                                                    | Automatic transmission                                                                                 | <b>N.A.</b>                                                        |
| Inter-mediate bearing                                              | Type (plain, anti-friction)                                                                            | <b>Ball bearing</b>                                                |
|                                                                    | Lubrication (fitting, prepack)                                                                         | <b>Prepack</b>                                                     |
| Slip yoke                                                          | Type                                                                                                   | <b>Sliding spline</b>                                              |
|                                                                    | Number of teeth                                                                                        | <b>16</b>                                                          |
|                                                                    | Spline o.d.                                                                                            | <b>26.7</b>                                                        |
| Universal joints                                                   | Make and mfg. no.                                                                                      | Front <b>SAGA Alfa Romeo P.N.105.00.15.300.00</b>                  |
|                                                                    |                                                                                                        | Rear <b>Central and rear SPICA Alfa Romeo P.N.105.12.15.030.00</b> |
|                                                                    | Number used                                                                                            |                                                                    |
|                                                                    | Type (ball and trunnion, cross) <b>Front: Hexagonal Rubber Joint<br/>Central and rear: cross joint</b> |                                                                    |
|                                                                    | Rear attach (u-bolt, clamp, etc.) <b>Belted roller</b>                                                 |                                                                    |
|                                                                    | Bearing                                                                                                | Type (plain, anti-friction)                                        |
| Lubric. (fitting, prepack)                                         |                                                                                                        | <b>Prepack</b>                                                     |
| Drive taken through (torque tube, arms or springs)                 |                                                                                                        | <b>Trailing arms</b>                                               |
| Torque taken through (torque tube, arms or springs)                |                                                                                                        | <b>Rear suspension springs</b>                                     |

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

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**Tires And Wheels (Standard)**

|        |                                                             |                     |                       |     |
|--------|-------------------------------------------------------------|---------------------|-----------------------|-----|
| Tires  | Size (load range, ply)                                      |                     | Michelin 185/70 HR 14 |     |
|        | Type (bias, radial, etc.)                                   |                     | Tubeless              |     |
|        | Inflation pressure (cold) for recommended max. vehicle load | Front [kPa (psi)]   | 24                    | Psi |
|        |                                                             | Rear [kPa (psi)]    | 26                    | Psi |
|        | Rev./mile—at 70 km/h (45 mph)                               |                     | 625                   |     |
| Wheels | Type & material                                             |                     | Aluminium alloy       |     |
|        | Rim (size & flange type)                                    |                     | 6Jx14                 |     |
|        | Wheel offset                                                |                     | 35                    | mm  |
|        | Attachment                                                  | Type (bolt or stud) | stud                  |     |
|        |                                                             | Circle diameter     | 108                   | mm  |
|        |                                                             | Number & size       | 4 Dia 1,2 x 1,5       | mm  |
| Spare  | Tire and wheel (same, if other describe)                    |                     | Same                  |     |
|        | Storage position & location (describe)                      |                     | Luggage compartement  |     |

**Tires And Wheels (Optional)**

|                                                                                                                                |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| Size (load range, ply)                                                                                                         |  |
| Type (bias, radial, etc.)                                                                                                      |  |
| Wheel (type & material)                                                                                                        |  |
| Rim (size, flange type and offset)                                                                                             |  |
| Size (load range, ply)                                                                                                         |  |
| Type (bias, radial, etc.)                                                                                                      |  |
| Wheel (type & material)                                                                                                        |  |
| Rim (size, flange type and offset)                                                                                             |  |
| Size (load range, ply)                                                                                                         |  |
| Type (bias, radial, etc.)                                                                                                      |  |
| Wheel (type & material)                                                                                                        |  |
| Rim (size, flange type and offset)                                                                                             |  |
| Size (load range, ply)                                                                                                         |  |
| Type (bias, radial, etc.)                                                                                                      |  |
| Wheel (type & material)                                                                                                        |  |
| Rim (size, flange type and offset)                                                                                             |  |
| Spare tire and wheel                                                                                                           |  |
| (If configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position) |  |

**Brakes — Parking**

|                                 |                                          |                                         |
|---------------------------------|------------------------------------------|-----------------------------------------|
| Type of control                 |                                          | Hand brake lever                        |
| Location of control             |                                          | On central tunnel between the two seats |
| Operates on                     |                                          | Rear wheel                              |
| If separate from service brakes | Type (internal or external)              | Internal                                |
|                                 | Drum diameter                            | 160                                     |
|                                 | Lining size (length x width x thickness) | Two lining for each drum Size 179x25x35 |

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**Brakes - Service**

|                                                            |                                           |                                 |                                                       |
|------------------------------------------------------------|-------------------------------------------|---------------------------------|-------------------------------------------------------|
| Description                                                |                                           |                                 |                                                       |
| Brake type<br>(std., opt., n.a.)                           | Front (disc or drum)                      |                                 | Disc std                                              |
|                                                            | Rear (disc or drum)                       |                                 | Disc std                                              |
| Self-adjusting (std., opt., n.a.)                          |                                           |                                 | std                                                   |
| Special<br>valving                                         | Type (proportion, delay, metering, other) |                                 | Metering                                              |
| Power brake (std., opt., n.a.)                             |                                           |                                 | std                                                   |
| Booster type (remote, integral, vac., hyd., etc.)          |                                           |                                 | vacuum                                                |
| Anti-skid device type (std., opt., n.a.)                   |                                           |                                 | N.A.                                                  |
| Effective area [cm <sup>2</sup> (in. <sup>2</sup> )] *     |                                           |                                 | 143,8 Front 78,5 Rear 222,3 Total cm <sup>2</sup>     |
| Gross lining area [cm <sup>2</sup> (in. <sup>2</sup> )] ** |                                           |                                 | 147,8 Front 82,3 Rear 230,1 Total cm <sup>2</sup>     |
| Swept area [cm <sup>2</sup> (in. <sup>2</sup> )] ***       |                                           |                                 | 1452,2 Front 1074,5 Rear 2526,7 Total cm <sup>2</sup> |
| Rotor                                                      | Outer working diameter                    | F                               | 268 mm                                                |
|                                                            |                                           | R                               | 263 mm                                                |
|                                                            | Inner working diameter                    | F                               | 154 mm                                                |
|                                                            |                                           | R                               | 182 mm                                                |
|                                                            | Thickness                                 | F                               | 12,7 mm                                               |
|                                                            |                                           | R                               | 9,5 mm                                                |
| Material & type (vented/solid)                             | F                                         | Cast iron - solid               |                                                       |
|                                                            | R                                         | Cast iron - solid               |                                                       |
| Drum                                                       | Diameter (nominal)                        | F                               | N.A.                                                  |
|                                                            |                                           | R                               | N.A.                                                  |
|                                                            | Type and material                         |                                 | N.A.                                                  |
| Wheel cylinder bore                                        | Front                                     |                                 | 48 mm                                                 |
|                                                            | Rear                                      |                                 | 38 mm                                                 |
| Master cylinder                                            | Bore                                      |                                 | 20,64 mm                                              |
|                                                            | Stroke                                    |                                 | 26,5 mm                                               |
| Pedal arc ratio                                            |                                           |                                 | 5                                                     |
| Line pressure at 445 N (100 lb.) pedal load [kPa (psi)]    |                                           |                                 | Manual 6,65 with booster 11,47 kPa                    |
| Lining clearance per shoe                                  | Front                                     |                                 | 0,15 mm                                               |
|                                                            | Rear                                      |                                 | 0,15 mm                                               |
| Brake lining                                               | Front wheel                               | Bonded or riveted (rivets/seg.) | Integrally molded                                     |
|                                                            |                                           | Rivet size                      | N.A.                                                  |
|                                                            |                                           | Manufacturer                    | ATE                                                   |
|                                                            |                                           | Lining code                     | Alfa Romeo P.N. 105.41.22.039.00                      |
|                                                            |                                           | Material                        | Necto 248GG                                           |
|                                                            |                                           | **** Primary or out-board       | 37 cm <sup>2</sup> x 10 mm                            |
|                                                            |                                           | Size Secondary or in-board      | /                                                     |
|                                                            |                                           | Shoe thickness (no lining)      | 5 mm                                                  |
|                                                            | Rear wheel                                | Bonded or riveted (rivets/seg.) | Integrally molded                                     |
|                                                            |                                           | Manufacturer                    | ATE                                                   |
|                                                            |                                           | Lining code                     | Alfa Romeo P.N. 105.48.26.416.00                      |
|                                                            |                                           | Material                        | Necto 248GG                                           |
|                                                            |                                           | **** Primary or out-board       | 20,5 cm <sup>2</sup> x 10 mm                          |
|                                                            |                                           | Size Secondary or in-board      | /                                                     |
|                                                            | Shoe thickness (no lining)                | 5                               |                                                       |

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

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

\*\*\* Total swept area for four brakes. (Drum brake: Widest lining contact width for each 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 thickness.

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**Steering**

|                                                |                                           |                                                       |                                                       |
|------------------------------------------------|-------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Manual (std., opt., n.a.)                      |                                           | Std                                                   |                                                       |
| Power (std., opt., n.a.)                       |                                           | N.A.                                                  |                                                       |
| Adjustable steering wheel (lift, swing, other) | Type and description                      | N.A.                                                  |                                                       |
|                                                | (Std., opt., n.a.)                        | N.A.                                                  |                                                       |
| Wheel diameter                                 | Manual                                    | 380                                                   | mm                                                    |
|                                                | Power                                     | N.A.                                                  |                                                       |
| Turning diameter m (ft.)                       | Outside front                             | Wall to wall (l. & r.)                                |                                                       |
|                                                |                                           | Curb to curb (l. & r.)                                | 10,4 m                                                |
|                                                | Inside rear                               | Wall to wall (l. & r.)                                |                                                       |
|                                                |                                           | Curb to curb (l. & r.)                                |                                                       |
| Manual                                         | Gear                                      | Type                                                  | Recirculatory rolls or in alternative worn and roller |
|                                                |                                           | Make                                                  | Spica                                                 |
|                                                |                                           | Ratios                                                | 15:1                                                  |
|                                                | Gear                                      | Overall                                               | 17,9 : 1                                              |
|                                                |                                           | No. wheel turns (stop to stop)                        | 3,75                                                  |
|                                                |                                           | Type (coaxial, linkage, etc.)                         |                                                       |
| Power                                          | Gear                                      | Type                                                  |                                                       |
|                                                |                                           | Ratios                                                |                                                       |
|                                                |                                           | Overall                                               |                                                       |
|                                                | Pump (drive)                              |                                                       |                                                       |
|                                                | No. wheel turns (stop to stop)            |                                                       |                                                       |
|                                                |                                           |                                                       |                                                       |
| Linkage                                        | Type                                      | Ball-Jointed links                                    |                                                       |
|                                                | Location (front or rear of wheels, other) | Rear of wheels                                        |                                                       |
|                                                | Drag links (trans. or longit.)            | Transverse drag link                                  |                                                       |
|                                                | Tie rods (one or two)                     | two                                                   |                                                       |
| Steering axis                                  | Inclination at camber (deg.)              | 8                                                     |                                                       |
|                                                | Bearings (type)                           | Upper                                                 | Ball Joint                                            |
|                                                |                                           | Lower                                                 | Ball Joint                                            |
|                                                |                                           | Thrust                                                | Ball Joint                                            |
| Steering spindle & joint type                  |                                           | Steering spindle with needle bearings and cross joint |                                                       |
| Wheel spindle                                  | Diameter                                  | Inner bearing                                         | 30 mm                                                 |
|                                                |                                           | Outer bearing                                         | 17 mm                                                 |
|                                                | Thread (size)                             | M16x1                                                 | mm                                                    |
|                                                | Bearing (type)                            | Taperd roller                                         |                                                       |

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**Wheel Alignment**

|                                |                           |                                 |                 |   |   |
|--------------------------------|---------------------------|---------------------------------|-----------------|---|---|
| Front wheel at curb mass (wt.) | Service checking          | Caster (deg.)                   | 10°30' + 30'    |   |   |
|                                |                           | Camber (deg.)                   | 0°20' + 30'     |   |   |
|                                |                           | Toe-in [outside track-mm (in.)] | Toe-in 0+3      |   |   |
|                                | Service reset*            | Caster                          | As above values |   |   |
|                                |                           | Camber                          | "               | " | " |
|                                |                           | Toe-in                          | "               | " | " |
|                                | Periodic M.V. in-spection | Caster                          | "               | " | " |
|                                |                           | Camber                          | "               | " | " |
|                                |                           | Toe-in                          | "               | " | " |
| Rear wheel at curb mass (wt.)  | Service checking          | Camber (deg.)                   | 0               |   |   |
|                                |                           | Toe-in [outside track-mm (in.)] | 0               |   |   |
|                                | Service reset*            | Camber                          | 0               |   |   |
|                                |                           | Toe-in                          | 0               |   |   |
|                                | Periodic M.V. in-spection | Camber                          | 0               |   |   |
|                                |                           | Toe-in                          | 0               |   |   |

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

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**Suspension - General**

|                                    |                         |                        |
|------------------------------------|-------------------------|------------------------|
| Car leveling                       | Std./opt./n.a.          | N.A.                   |
|                                    | Type (air, hyd, etc.)   | N.A.                   |
|                                    | Manual/auto. controlled | N.A.                   |
| Provision for brake dip control    |                         | N.A.                   |
| Provision for accel. squat control |                         | N.A.                   |
| Special provisions for car jacking |                         | N.A.                   |
| Shock absorber (front & rear)      | Type                    | Direct telescopic type |
|                                    | Make                    | Spica                  |
|                                    | Piston diameter         | 36 front and rear      |
| Other special features             |                         | None                   |

**Suspension - Front**

|                         |                                                    |                                                         |      |
|-------------------------|----------------------------------------------------|---------------------------------------------------------|------|
| Type and description    |                                                    | Independent trasverse links, antaroll bar               |      |
| Travel                  | Full jounce                                        | 99                                                      | mm   |
|                         | Full rebound                                       | 65                                                      | mm   |
| Spring                  | Type (coil, leaf, other)                           | coil                                                    |      |
|                         | Material                                           | Chromium alloy steel                                    |      |
|                         | Size (coil design height & ld., bar length x dia.) | Free lenght = 318<br>Int. dia = 103,7<br>Bar dia = 16,3 | mm   |
|                         | Spring rate [N/mm (lb./in.)]                       | 71,1                                                    | N/mm |
|                         | Rate at wheel [N/mm (lb./in.)]                     | 9,1                                                     | N/mm |
|                         | Stabilizer                                         | Link                                                    |      |
| Material & bar diameter |                                                    | Spring steel dia 24                                     |      |
|                         |                                                    | mm                                                      |      |

**Suspension - Rear**

|                                |                                                                    |                                                                                                |      |
|--------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------|
| Type and description           |                                                                    | Live axle with longitudinal trailing arms and T arm for transverse reaction. All rubber bushed |      |
| Drive and torque taken through |                                                                    | Drive through trailing arms. Torque through rear springs                                       |      |
| Travel                         | Full jounce                                                        | 90                                                                                             | mm   |
|                                | Full rebound                                                       | 90                                                                                             | mm   |
| Spring                         | Type (coil, leaf, other)                                           | Coil                                                                                           |      |
|                                | Material                                                           | Chromium alloy steel                                                                           |      |
|                                | Size (length x width, coil design height & ld., bar length & dia.) | Free lenght = 457<br>Int. Dia = 92,1<br>Rear dia = 11,9                                        | mm   |
|                                | Spring rate [N/mm (lb./in.)]                                       | 16,5                                                                                           | N/mm |
|                                | Rate at wheel [N/mm (lb./in.)]                                     | 11                                                                                             | N/mm |
|                                | Mounting insulation (type)                                         | Rubber seat                                                                                    |      |
|                                | If leaf                                                            | No. of leaves                                                                                  | N.A. |
|                                |                                                                    | Shackle (comp. or tens.)                                                                       | N.A. |
|                                | Type (link, linkless, frameless)                                   | Link                                                                                           |      |
|                                | Material & bar diameter                                            | Spring steel dia 14                                                                            |      |
|                                |                                                                    | mm                                                                                             |      |
| Track bar (type)               |                                                                    |                                                                                                |      |

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**Body — Miscellaneous Information**

|                                                     |                                               |                                      |
|-----------------------------------------------------|-----------------------------------------------|--------------------------------------|
| Type of finish (lacquer, enamel, other)             | Lacquer                                       |                                      |
| Hood:                                               | Hinge location (front, rear)                  | Front                                |
|                                                     | Type (counterbalance, prop)                   | N.A.                                 |
|                                                     | Release control (internal, external)          | Internal                             |
| Trunk lid                                           | Type (counterbalance, other)                  | Balanced by 2 torsion springs        |
|                                                     | Internal release control (elec., mech., n.a.) | Mech.                                |
| Bumper front                                        | Bar material & mass (wt.)                     | 9460 g.                              |
|                                                     | Reinforcement material & mass (wt.)           | /                                    |
| Bumper rear                                         | Bar material & mass (wt.)                     | 10800 g.                             |
|                                                     | Reinforcement material & mass (wt.)           | /                                    |
| Vent window control (crank, friction, pivot, power) | Front                                         | Crank PIVOT                          |
|                                                     | Rear                                          | N.A.                                 |
| Seat cushion type                                   | Front                                         | Foamed polyether at low flammability |
|                                                     | Rear                                          | rate with ext sheet metal s.         |
|                                                     | 3rd seat                                      | N.A.                                 |
| Seat back type                                      | Front                                         | Foamed polyether at low flammability |
|                                                     | Rear                                          | rate with ext. sheet metal s.        |
|                                                     | 3rd seat                                      | N.A.                                 |
| Vehicle ident. no. location                         | Inside on the left windshield pillar          |                                      |

**Passive Restraint System**

|                             |                                            |   |
|-----------------------------|--------------------------------------------|---|
| Inflatable restraint system | Standard/optional                          | / |
|                             | Type of charging system                    | / |
|                             | Location (sig. whl., instru. panel, other) | / |
| Passive seat belts          | Standard/optional                          | / |
|                             | Power/manual                               | / |
|                             | 2 or 3 point                               | / |
|                             | Knee bar/lap belt                          | / |

**Frame**

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

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

Car Line 2000 Spider

Model Year 1983 Issued Jan. 83 Revised (\*)

**Body Type.**

1962

### Convenience Equipment

|                                                    |                       |                                                                      |
|----------------------------------------------------|-----------------------|----------------------------------------------------------------------|
| Power windows                                      | Side windows          | N.A. STD                                                             |
|                                                    | Vent windows          | N.A. 1                                                               |
|                                                    | Backlight or tailgate | N.A.                                                                 |
| Power seats (specify type as well as availability) |                       | N.A.                                                                 |
| Reclining front seat back (r-l or both)            |                       | Both                                                                 |
| Radio (specify type as well as availability)       |                       | Optional                                                             |
| Premium sound system (specify)                     |                       | /                                                                    |
| Rear seat speaker                                  |                       | N.A.                                                                 |
| Power antenna                                      |                       | N.A.                                                                 |
| Clock                                              |                       | N.A. STD                                                             |
| Air conditioner (specify type)                     |                       | Optional                                                             |
| Speed warning device                               |                       | Std                                                                  |
| Speed control device                               |                       | Std                                                                  |
| Ignition lock lamp                                 |                       | N.A. STD                                                             |
| Dome lamp                                          |                       | N.A. STD                                                             |
| Glove compartment lamp                             |                       | Std                                                                  |
| Luggage compartment lamp                           |                       | Std                                                                  |
| Underhood lamp                                     |                       | Std                                                                  |
| Courtesy lamp                                      |                       | Std                                                                  |
| Map lamp                                           |                       | N.A.                                                                 |
| Cornering lamp                                     |                       | N.A.                                                                 |
| Rear window defroster electrically heated          |                       | N.A.                                                                 |
| Rear window defogger                               |                       | N.A.                                                                 |
| T-bar roof (describe)                              |                       | N.A.                                                                 |
| Sun roof (describe)                                |                       | N.A.                                                                 |
| Theft protection—type                              |                       | Key lock on ignition switch steering wheel; door luggage compartment |

**MVMA Specifications Form**  
**Passenger Car**

Car Line 2000 Spider  
Model Year 1983 Issued Jan. 83 Revised (•) \_\_\_\_\_

**FEATURE HIGHLIGHTS**

(Manufacturers selected list of special vehicle features;  
indicate if new or model year introduced)

**BODY:**

Bumper. Front and rear

GRILLE  
AIR DAM  
SPOILER

**CHASSIS:**

**ENGINE:**

**ELECTRICAL:**

Side Marker and  
rear combination lamps

ANTENNA IN WINDSHIELD  
ILLUMINATED IGNITION LOCK

**OTHER:**

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

Car Line\_\_\_\_\_2000 Spider

Model Year: 1983 Issued: Jan. 83 Revised (•)

[illegible]

\* Reference - SAE J1100a, Motor vehicle dimensions, curb weight definition.

\*\* Shipping mass (weight) definition —

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

Revised (●)

Remarks

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

# MVMA Specifications Form

## Passenger Car

Car Line 2000 Spider

Model Year 1983

Issued Jan. 83

Revised (\*)

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.  
SAE Ref. no. refers to the definition published in SAE Recommended Practice.  
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

|           |              |           |
|-----------|--------------|-----------|
| Body Type | SAE Ref. No. | 1962 c.c. |
|-----------|--------------|-----------|

### Width

|                                  |      |      |    |
|----------------------------------|------|------|----|
| Tread (front)                    | W101 | 1324 | mm |
| Tread (rear)                     | W102 | 1274 | mm |
| Vehicle width                    | W103 | 1630 | mm |
| Body width at Sg RP (front)      | W117 | 1628 | mm |
| Vehicle width (front doors open) | W120 |      |    |
| Vehicle width (rear doors open)  | W121 | N.A. |    |

### Length

|                               |      |      |    |
|-------------------------------|------|------|----|
| Wheelbase                     | L101 | 2250 | mm |
| Vehicle length                | L103 | 4247 | mm |
| Overhang (front)              | L104 | 977  | mm |
| Overhang (rear)               | L105 | 1020 | mm |
| Upper structure length        | L123 | 1815 | mm |
| Rear wheel C/L "X" coordinate | L127 | 2250 | mm |
| Cowl point "X" coordinate     | L125 | 445  | mm |

### Height\*

|                                     |         |         |    |
|-------------------------------------|---------|---------|----|
| Passenger distribution (fr./rear)   | PD1,2,3 | 2 front |    |
| Trunk/cargo load                    |         | 20      | Kg |
| Vehicle height                      | H101    | 1420    | mm |
| Cowl point to ground                | H114    | 862     | mm |
| Deck point to ground                | H138    | 857     | mm |
| Rocker panel-front to ground        | H112    | 235     | mm |
| Bottom of door closed-front to grd. | H133    | 349     | mm |
| Rocker panel-rear to ground         | H111    | /       |    |
| Bottom of door closed-rear to grd.  | H135    | /       |    |

### Ground Clearance\*

|                                             |      |              |    |
|---------------------------------------------|------|--------------|----|
| Front bumper to ground                      | H102 |              |    |
| Rear bumper to ground                       | H104 |              |    |
| Bumper to ground (front at curb mass (wt.)) | H183 |              |    |
| Bumper to ground (rear at curb mass (wt.))  | H105 |              |    |
| Angle of approach                           | H106 |              |    |
| Angle of departure                          | H107 |              |    |
| Ramp breakover angle                        | H147 |              |    |
| Rear axle differential to ground            | H153 | 280          | mm |
| Min. running ground clearance               | H156 | 135          | mm |
| Location of min. run. grd. clear.           |      | Differential |    |

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

\* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified. Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line 2000 Spider

Model Year 1983

Issued Jan. 83

Revised (\*)

Body Type

SAE  
Ref.  
No.

1962 c.c.

### Front Compartment

|                                  |     |      |
|----------------------------------|-----|------|
| Sg RP front "X" coordinate       | L31 | 1400 |
| Effective head room              | H61 | 860  |
| Max. eff. leg room (accelerator) | L34 | 750  |
| Sg RP (front to heel)            | H30 | 170  |
| Design H-point front travel      | L17 | 170  |
| Shoulder room                    | W3  | 1200 |
| Hip room                         | W5  | 1200 |
| Upper body opening to ground     | H50 | 1160 |
| Steering wheel angle             | H18 | 21°  |
| Back angle                       | L40 | 25°  |

### Rear Compartment

|                              |     |  |
|------------------------------|-----|--|
| Sg RP Point couple distance  | L50 |  |
| Effective head room          | H63 |  |
| Min. effective leg room      | L51 |  |
| Sg RP (second to heel)       | H31 |  |
| Knee clearance               | L48 |  |
| Compartment room             | L3  |  |
| Shoulder room                | W4  |  |
| Hip room                     | W6  |  |
| Upper body opening to ground | H51 |  |

### Luggage Compartment

|                                       |      |     |    |
|---------------------------------------|------|-----|----|
| Usable luggage capacity [L (cu. ft.)] | V1   | 295 | 1. |
| Liftover height                       | H195 | 734 |    |

All linear dimensions are in millimeters (inches).

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line 2000 Spider

Model Year 1983

Issued Jan. 83

Revised (\*)

Body Type

SAE  
Ref.  
No.

1962 c.c.

### Station Wagon - Third Seat

|                             |     |  |
|-----------------------------|-----|--|
| Shoulder room               | W85 |  |
| Hip room                    | W86 |  |
| Effective leg room          | L86 |  |
| Effective head room         | H86 |  |
| Effective T-point head room | H89 |  |
| Seat facing direction       | SD1 |  |

### Station Wagon - Cargo Space

|                                                          |      |  |
|----------------------------------------------------------|------|--|
| Cargo length (open front)                                | L200 |  |
| Cargo length (open second)                               | L201 |  |
| Cargo length (closed front)                              | L202 |  |
| Cargo length (closed second)                             | L203 |  |
| Cargo length at belt (front)                             | L204 |  |
| Cargo length at belt (second)                            | L205 |  |
| Cargo width (wheelhouse)                                 | W201 |  |
| Rear opening width at floor                              | W203 |  |
| Opening width at belt                                    | W204 |  |
| Max. rear opening width above belt                       | W205 |  |
| Cargo height                                             | H201 |  |
| Rear opening height                                      | H202 |  |
| Tailgate to ground height                                | H250 |  |
| Front seat back to load floor height                     | H197 |  |
| Cargo volume index [m <sup>3</sup> (ft. <sup>3</sup> )]  | V2   |  |
| Hidden cargo volume [m <sup>3</sup> (ft. <sup>3</sup> )] | V4   |  |

### Hatchback - Cargo Space

|                                                          |      |  |
|----------------------------------------------------------|------|--|
| Front seat back to load floor height                     | H197 |  |
| Cargo length at front seat back height                   | L208 |  |
| Cargo length at floor (front)                            | L209 |  |
| Cargo volume index [m <sup>3</sup> (ft. <sup>3</sup> )]  | V3   |  |
| Hidden cargo volume [m <sup>3</sup> (ft. <sup>3</sup> )] | V4   |  |

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All dimensions are in millimeters (inches).

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line 2000 Spider

Model Year 1983 Issued Jan. 83 Revised (\*) \_\_\_\_\_

Body Type

1962 c.c.

### Vehicle Fiducial Marks

Fiducial Mark  
Number\*

Define Coordinate Location

Front

Rear

Fiducial  
Mark  
Number

W21

L54

Front

H81

H161

H163

Rear

W22

L55

H82

H162

H164

\* Reference — SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks — September, 1973.  
All linear dimensions are in millimeters (inches).

# MVMA Specifications Form

## Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line 2000 Spider

Model Year 1983

Issued Jan. 83

Revised (\*)

Body Type

SAE  
Ref.  
No.

1962 o.c

### Glass

|                                                                             |      |                                                   |
|-----------------------------------------------------------------------------|------|---------------------------------------------------|
| Backlight slope angle (deg.)                                                | H121 | /                                                 |
| Windshield slope angle (deg.)                                               | H122 | 33°40'                                            |
| Tumble-Home (deg.)                                                          | W122 | /                                                 |
| Windshield glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )] | S1   | 6278 cm <sup>2</sup>                              |
| Side glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]       | S2   | 3430 cm <sup>2</sup>                              |
| Backlight glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]  | S3   | 3782 cm <sup>2</sup>                              |
| Total glass exposed surface area [cm <sup>2</sup> (in. <sup>2</sup> )]      | S4   | 13490 cm <sup>2</sup>                             |
| Windshield glass (type)                                                     |      | Single curved laminated safety plate WITH ANTENNA |
| Side glass (type)                                                           |      | curved heat treated safety sheet                  |
| Backlight glass (type)                                                      |      | PLASTIC ASA                                       |

### Lamps and Headlamp Shape\*

|                                                 |                 |           |            |
|-------------------------------------------------|-----------------|-----------|------------|
| Height above ground to center of bulb or marker | Headlamp (H127) | Highest** |            |
|                                                 |                 | Lowest    |            |
|                                                 | Taillamp (H128) | Highest** |            |
|                                                 |                 | Lowest    |            |
|                                                 | Sidemarker      | Front     |            |
|                                                 |                 | Rear      |            |
| Distance from C/L of car to center of bulb      | Headlamp        | Inside    |            |
|                                                 |                 | Outside** |            |
|                                                 | Taillamp        | Inside    |            |
|                                                 |                 | Outside** |            |
|                                                 | Directional     | Front     | 550        |
|                                                 |                 | Rear      | 520        |
|                                                 | Headlamp shape  |           | 2 Round 7" |

\* Measured at curb mass (weight).

\*\* If single lamps are used enter here.