

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



**1. GENERAL**

101. Manufacturer **MAZDA**
102. Commercial name(s) - Model and type **3 SP23 SERIES 1 (BK)**
103. Engine capacity **2260** cm<sup>3</sup> Corrected engine capacity **2260 = 2260** cm<sup>3</sup>
104. Type of car construction a) Type  separate chassis  monocoque
- b) Material of chassis / bodyshell **STEEL**
106. Number of seats **5**

**2. DIMENSIONS, WEIGHT**

- Tare Weight** **1227** kg **RVD CPA Number. 31004-555098**
- Minimum Racing Weight** **1227** kg
202. Overall length **4540** mm ± 1 %
203. Maximum overall width **2000** mm ± 1 % Where measured **EXTERNAL MIRRORS**
204. Width of bodywork a) At front axle **1755** mm ± 1 %  
b) At rear axle **1755** mm ± 1 %
206. Wheelbase **2640** mm ± 1 %
207. Maximum track a) Front **1530** mm b) Rear **1515** mm

**3. ENGINE** (In case of rotary engine, see Art. 335 on additional form)

301. Location and position of the engine **FRONT, TRANSVERSE**

302. Number of mounts **3**

Engine in its compartment



304. Supercharging

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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Maximum manifold pressure (additional) **N/A**

Type and number of compressors **0**

305. Number and layout of cylinders

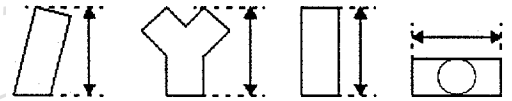
**4**

312. Cylinder block material

**ALUMINIUM**

310. Maximum compression ratio

**9.7 : 1**



<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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313. Sleeves

a)  yes  no

b) Material **XXXX**

c)  wet  dry

314. Bore **87.5** +0/- 0.1 mm

316. Stroke **94.0** +0/- 0.1 mm

321. Cylinderhead a) Number **1**

b) Material **ALUMINIUM**

324. Fuel feed by injection : a) Make \_\_\_\_\_

b) Model \_\_\_\_\_

f) Position of Injectors:

f1)  Manifold  Cylinderhead

325. Camshaft a) Number **2**

b) Location **CYLINDER HEAD**

c) Drive system **CHAIN**

f) Type of valve operation **OVERHEAD BUCKET & SHIM**

327. Intake

a) Material of manifold **ALUMINIUM**

b) Number of manifold elements **1**

c) Number of valves per cylinder **2**

**328. Exhaust**

- a) Material of manifold **STEEL**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder **2**
- p) External Diameter of exhaust pipe between manifold and first silencer **XX** mm ± 5%

**330. Ignition system**

- a) Type **ELECTRONIC**
- b) Number of plugs per cylinder **1**
- c) Number of distributors **XXXX**
- d) Number of coils **4**

**331. Cooling system** Capacity **7.5 L**

- 332. Cooling fan**
- a) Number **1**
- b) Diameter of the fan **390** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **7**
- e) Type of drive **ELECTRIC**
- f) Automatic cut in 

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**333. Lubrication system**

- a) Type \_\_\_\_\_
- b) Number of oil pumps **1**
- c) Total capacity **6.4 L**
- e) Location of the cooler(s) \_\_\_\_\_
- f) Type of the cooler(s) \_\_\_\_\_

**4. FUEL CIRCUIT**

**401. Fuel tank**

- b) Location **REAR**
- d) Total capacity **60L**

**402. Fuel pump(s)**

- a) 

<input checked="" type="checkbox"/> Elelectrical	<input type="checkbox"/> Mechanical
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- b) Number \_\_\_\_\_
- d) Location \_\_\_\_\_
- Fuel Pressure \_\_\_\_\_

**5. ELECTRICAL EQUIPMENT**

**502. Alternator**

- a) Number **1**
- b) Type \_\_\_\_\_
- c) Drive system **MULTI RIB V-BELT**
- d) Nominal power **110** Amp

**503. Retractable headlights**

- a) 

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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- b) Control system \_\_\_\_\_

**6. POWER TRAIN**

**601. Driven wheels**

- |       |   |  |
|-------|---|--|
| front | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no            |
| rear  | <input type="checkbox"/> yes            | <input checked="" type="checkbox"/> no |

**602. Clutch**

- a) Type **DIAPHRAGM**
- b) Control system **HYDRAULIC**

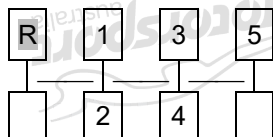


**603. Gearbox**

- a) Location **ENGINE BAY**
- b) Make **MAZDA**
- c) Type and location of control **CABLE FLOOR SHIFT**
- e) Ratios (TBC)

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<b>3.307</b>	___	___
2	_____	<b>1.842</b>	___	___
3	_____	<b>1.310</b>	___	___
4	_____	<b>0.970</b>	___	___
5	_____	<b>0.755</b>	___	___
6	_____	<b>N/A</b>	___	___
R	_____	<b>3.166</b>	___	___
Constant	_____	___	___	___

f) Gear change gate



**604. Transfer box / Centre differential**

- a) Ratios **XXXX**
- c) Control system of transfer box **XXXX**
- d) Type of central differential **XXXX**

**605. Final drive**

- a) Type of final drive \_\_\_\_\_
- b) Ratio (TBC) **4.388**
- f) Oil Cooler  yes  no
- g) Cooler Type \_\_\_\_\_

Front		Rear	
_____		<b>XXXX</b>	
<b>4.388</b>		<b>XXXX</b>	
<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
_____		<b>XXXX</b>	

**606. Shafts**

- a) Type of longitudinal shafts **XXXX**
- b) Material of longitudinal shafts **XXXX**
- c) Type of transversal half-shafts **CONSTANT VELOCITY**
- d) Material of transversal half-shafts **STEEL**



**7. SUSPENSION**

**701. General**

	Front	Rear
a) Type of suspension	<b><u>MCPHERSON STRUT</u></b>	<b><u>MULTI-LINK</u></b>
<b>702. Helical springs</b>	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>
<b>703. Leaf springs</b>	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	<b><u>XXXX</u></b>	<b><u>XXXX</u></b>
<b>704. Torsion bars</b>	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	<b><u>XXXX</u></b>	<b><u>XXXX</u></b>

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b><u>26.0</u> mm</b>	<b><u>25.0</u> mm</b>
c) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

**707. Suspension Dampers**

	Front	Rear
a) Number per wheel	<b><u>1</u></b>	<b><u>1</u></b>
b) Type	<b><u>TELESCOPIC</u></b>	<b><u>TELESCOPIC</u></b>
c) Principle of operation	<b><u>HYDRAULIC</u></b>	<b><u>HYDRAULIC</u></b>

**8. WHEELS**

**801. Wheels**

	Front	Rear
a) Diameter	<b><u>17"</u></b>	<b><u>17"</u></b>
b) Width	<b><u>6.5"</u></b>	<b><u>6.5"</u></b>
c) Offset	<b><u>+52</u> mm</b>	<b><u>+52</u> mm</b>

**803. Brakes**

a) Braking system

**HYDRAULIC - ABS**

b) Number of master cylinders

**1**

c) Servo-brakes

yes  no

c1) Make and type

**VACUUM**

	Front	Rear
e) Number of cylinders per wheel	<u>1</u>	<u>1</u>
f) <b>Drum brakes</b>	<u>XXXX</u>	<u>XXXX</u>
f1) Internal diameter	<u>XXXX</u>	<u>XXXX</u>
f2) Number of linings per wheel		
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<u>2</u>	<u>2</u>
g2) Number of calipers per wheel	<u>1</u>	<u>1</u>
g3) Caliper material	<u>ALUMINIUM</u>	<u>ALUMINIUM</u>
g4) Thickness of new disc	<u>25 ± 1 mm</u>	<u>11 ± 1 mm</u>
g5) External diameter of the disc	<u>300 ± 1.5 mm</u>	<u>280 ± 1.5 mm</u>
g9) Ventilated discs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

h) Parking brake: h1) Control system **MANUALLY OPERATED LEVER**

h2) Location of lever **FRONT TUNNEL**

Front  Rear

**804. Steering**

a) Type

Front		Rear	
<b><u>RACK &amp; PINION</u></b>		<b><u>XXXX</u></b>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<b><u>ELECTRO-HYDRAULIC</u></b>		<b><u>XXXX</u></b>	

b) Servo-assistance

Type of Assistance

**9. BODYWORK**

**901. Interior**

a) Ventilation

yes  no

c) Air Conditioning

yes  no

b) Heating

yes  no

f) Optional sun roof

yes  no

f1) Type \_\_\_\_\_

f2) Control system \_\_\_\_\_

g) Opening system for side windows

Front	Rear
<b><u>ELECTRIC</u></b>	<b><u>ELECTRIC</u></b>

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **4**

b) Tailgate

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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c) Door material

Front	Rear
<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

d) Front bonnet material

**STEEL**

e) Rear bootlid / tailgate material

**STEEL**

f) Bodywork material

**STEEL**

h) Rear window material

**GLASS**

i) Rear quarter window material

**GLASS**

k) Side window material

Front	Rear
<b><u>GLASS</u></b>	<b><u>GLASS</u></b>
<b><u>PLASTIC</u></b>	<b><u>PLASTIC</u></b>

l) Material of bumper

**PLASTIC**

**PLASTIC**

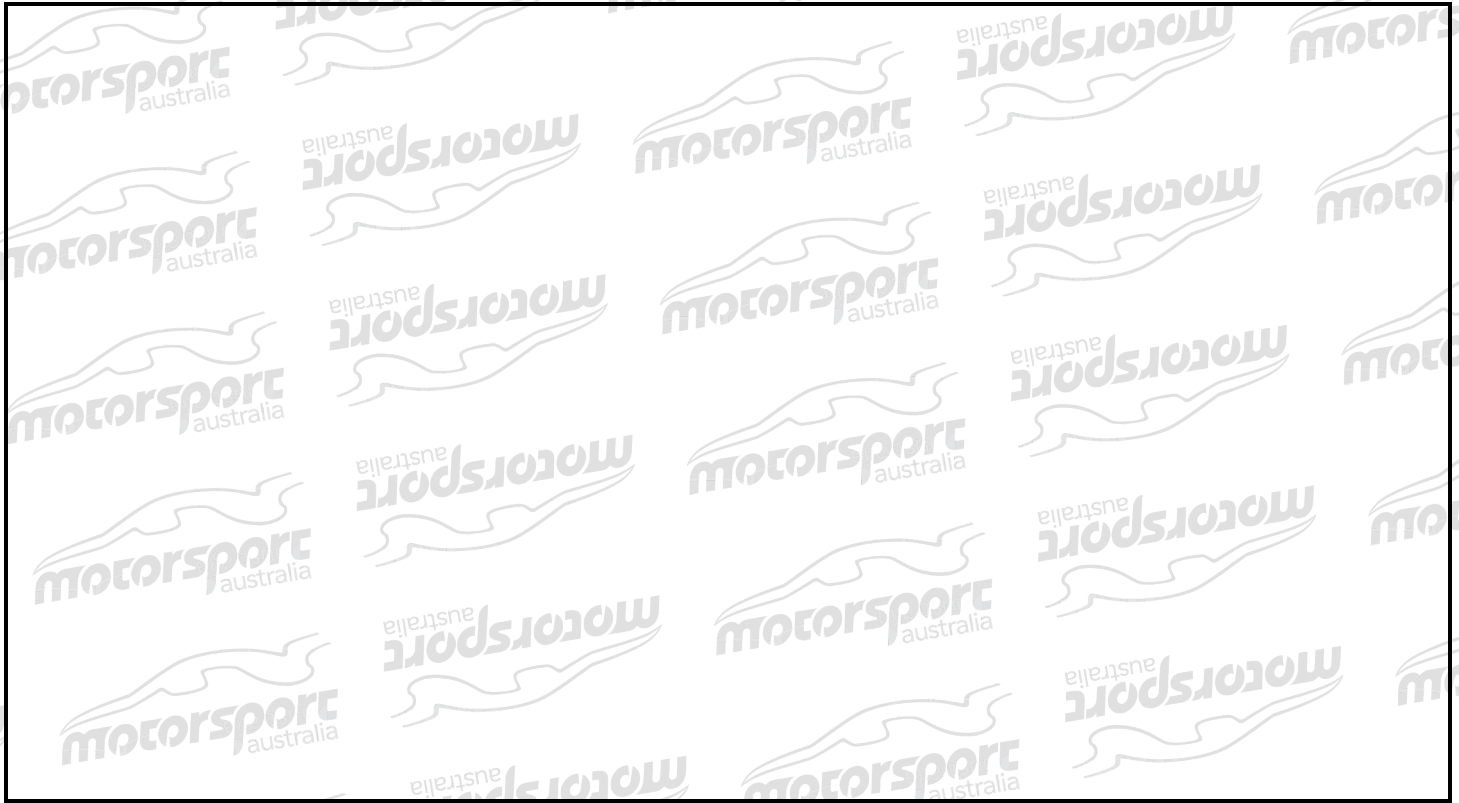
n) Exterior Rear wiper

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
1	Rear Wing	Plastic
2	Side skirts	Plastic
3	Headlights	Plastic
4	Taillights	Plastic
5	External mirrors	Plastic
6	Bonnet air intake	Plastic





**COMPLEMENTARY INFORMATION**

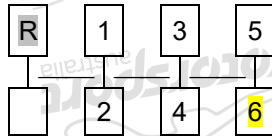
**Optional Gearbox**

603. Gearbox

- a) Location **ENGINE BAY**
- b) Make **MAZDA**
- c) Type and location of control **CABLE FLOOR SHIFT**
- e) Ratios (TBC)

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<b>3.454</b>	_____	_____
2	_____	<b>1.842</b>	_____	_____
3	_____	<b>1.310</b>	_____	_____
4	_____	<b>1.030</b>	_____	_____
5	_____	<b>0.837</b>	_____	_____
6	_____	<b>0.710</b>	_____	_____
R	_____	<b>3.166</b>	_____	_____
Constant	_____	_____	_____	_____

f) Gear change gate



**ERRATA:**

Version 3-19-012B

- Added Tare Weight and RVD CPA number
- Updated 5 Speed Gearbox ratios and Final Drive numbers
- Added Optional 6 Speed Gearbox

