



## Genuine BMW Body Parts

- **Long operating life and accuracy of fit**
- **Robot technology ensures precisely welded connections**
- **Ongoing commitment to safety research**
- **Correct in every detail**
- **Corrosion-proof**

### Function in detail

Genuine BMW Body Parts protect both the passengers and the high technology interior of a BMW. They are resistant to environmental influences and have a long operating life.

Individual parts must correspond exactly in material, form and dimensions to the required engine, transmission and chassis specifications of a BMW.

### Benefits

#### Long operating life and accuracy of fit

Genuine BMW Body Parts are manufactured from a multitude of high grade sheet steel alloys. Precision equipment rolls and presses the steel in the tolerance range of a tenth of a millimetre. The high stability and long lifetime of the parts is only achieved by careful and exact processes.

#### Robot technology ensures precisely welded connections

Proper and precise welded connections guarantee stability and contribute to a long operating life. Welding operations and design are perfected in the BMW research laboratories.

#### Ongoing commitment to safety research

Ongoing crash tests demonstrate how the car body can protect the vehicle occupants in the event of an accident. Examples include side intrusion protection in the doors or invisible target kink areas in the bonnet. Every detail is exactly matched to the complex safety system. This means the occupants of a BMW are in a dimensionally stable safety cage and are thus well protected.

#### Correct in every detail

The precise form of a BMW body part perfectly matches the original. Properly dimensioned or correctly placed retaining bores save reworking during installation and loss of stability and leak tightness.

#### Corrosion proof

The electrolytic galvanisation of corrosion vulnerable parts in conjunction with fold sealing offers optimal protection. Together with the primer, the non-visible point-flange bonding ensures 100% surface protection even inside the body cavities.

#### Quality assurance

**Body parts represent an important vehicle safety component. Genuine BMW Body Parts offer high material quality and precise manufacturing. Genuine BMW Body Parts undergo complex processing technologies and strict quality control tests.**



BMWtrade**parts**



### **Strict material inspections**

The source material for Genuine BMW Body Parts is subject to constant quality checks. Only a range of specific, very high grade sheet steel alloys are allowed to be used in the manufacture of Genuine BMW Body Parts. This ensures that corrosion does not start before manufacturing.

### **Complex surface protection**

Thorough cleaning and degreasing ensures optimal adhesion of the primer coats applied through electrophoresis. This prevents corrosion. To achieve surface protection even in the body cavities, the base coat is applied in a dipping paint process.

### **Crash Tests**

Body components are constantly improved following the results of the crash test series in terms of both their construction and dimensions. The tests provide information about the absorption potential and the crash performance of the body.

### **Tests of welded connections**

The welded seams are subject to stability tests at regular intervals. This ensures the exact specifications are maintained, which is important for the longevity and stability of the parts.

### **Advantages of Genuine BMW Body Parts**

- Long operating lifetime and perfect fitting accuracy
- Precise welded connections
- Countless crash tests
- Optimal safety and function
- High corrosion protection

