

Everything is clear – with one wipe



09/2016

Wiper motors/Windscreen washer pumps/  
Wiper blades/Wiper linkages

## Wiper motors

 **NEW**

Small engine – great effect, the wiper motor of the window cleaning which assures the regular operation of the wiper blades. After windscreen washer pumps and wiper blades (HPS-Hybrid-Wipers), MAPCO® has now amplified its range of products in the field of **Electric/Accessories** by these articles for all current passenger cars and transporter models.



### Wiper motors made by MAPCO® meet all requirements:

- ✓ The gear drive of the MAPCO® wiper motors is made of synthetic PET GF 45, thus it guarantees high stability and little deformation.
- ✓ The synthetic gear drive is made of high-value DUPONT 100P and also guarantees high stability.
- ✓ The solid cylinders of the MAPCO® wiper motors made of double hot galvanized sheet comply with the European environmental norms.
- ✓ The electrical regulation card is produced according to the most recent standards and thus absolutely reliable.
- ✓ Also the magnet shows a more than superior performance.
- ✓ For the motor, we only use high-quality greases which stand also extreme climatic conditions (from -40°C to 150°C) without any problems and thus ensure a long term and service life.
- ✓ Also all the other components are drafted and produced considering a perfect temperature resistance and long service life.
- ✓ MAPCO® wiper motors are identically constructed with original parts, thus a wrong assembly is impossible.
- ✓ Also guaranteed: high hinge moment, low noise and solid operation.

## Windscreen washer pumps



Low temperatures which freeze the cleaning water or frozen washing water can affect the operation of a windscreen washer pump or it can even freeze completely.

The windscreen washer pumps for window cleaning belong to the typical wearing parts of a vehicle and can show defects over the years.

For a smooth transportation of the washing water for the window cleaning: Windscreen washer pumps – of course, also directly from the producer MAPCO®, with a comprehensive range covering approximately 85 percent of passenger car models – from Audi to Volvo in OE quality.

## Wiper blades



Generally all articles made by MAPCO® are subject to highest quality requirements. For spare parts with special security relevance, MAPCO® developed additionally its High Performance Standard (HPS), certified by the Technical Supervisory Association (TÜV). For a crystal clear view: HPS-Hybrid-Wiper-Blades, which guarantee excellent and low noise performance also with high contact pressure.



## Product-Advantages:



**Multi-Clip:** fit for 92 percent cars

**Plastic cover:** heat & cold resistant, age resistant, amebiotic

**The flexible high-carbon steel plate design:** can be applied to variety of different curvature of windshield  
Lined stainless steel shrapnel make the wiper more stable

**Latest high performance rubber formula:** can work well in different climate of the world

**Rubber surface with teflon treatment:** resist ultraviolet radiation and noise

## Wiper linkages

Due to the constant rotary motion imparted by the motor of the wiper to the arms and the linkage the windscreen wipers are able to move according to their arrangement. Wiper linkage mechanisms are also subject to wear and tear. Increasingly worn-out mechanisms either work sluggishly or do not move any more at all. This can also result in damage to the wiper motor.

### Our wiper mechanisms guarantee:

- a smooth upper surface of the individual components
- a high-quality appearance
- a prolonged working life
- less noise
- dust caps on the joints
- best fits for rubber components
- standardised output shafts = longer working life



**Wide selection of products, constantly available from stock and brought quickly to the customer**

Products of MAPCO® Autotechnik have been sold in the millions. As a manufacturer of high quality spare parts MAPCO® offers more than 20.000 items for brands from Alfa Romeo to Volvo. MAPCO® owns multiple central warehouses in Germany and a variety of warehouses all over the country and throughout Europe called Regional Centers. That is why MAPCO® parts are always nearby and quickly and reliably available to our customers.

MAPCO® products cover a considerable range of mechanical and electronic replacement parts that is divided into five columns:

- steering and suspension
- brakes
- drives and bearing
- motor and filter
- electrics and accessories



**TecDoc award for MAPCO® Autotechnik**

The data quality of MAPCO is outstanding as well. Hence MAPCO® is a „TecDoc Certified Data Supplier“. Especially our customers from dealerships to workshops benefit from a clear data structure that makes the identification of parts such an easy task.



**Contact**

MAPCO Autotechnik GmbH  
Central  
Moosweg 1  
14822 Borkheide · GERMANY

T: +49 33845/6 00 30  
F: +49 33845/4 10 32  
E-Mail: info@mapco.de  
www.mapco.com

MAPCO Autotechnik UK Limited  
Unit 8, By-Pass Park Estate  
Sherburn-in-Elmet  
LS25 6EP Leeds

T: +44 1977/30 14 61  
F: +44 1977/68 20 76  
E-Mail: info@mapco-automotive.co.uk  
www.mapco-automotive.co.uk

MAPCO Autotechnik GmbH  
France  
23, rue d'Arsonval  
F-69680 Chassieu

T: +33 4 37 25 85 97  
F: +33 4 72 90 13 73  
E-Mail: info.france@mapco.es  
www.mapco-france.com

MAPCO Autotechnik GmbH  
Polígono Industrial Alcalá X,  
calle 2 nave 10  
41500 Alcalá de Guadaíra  
Sevilla, Spain

T: +34 6 87 70 82 07  
E-Mail: pedidos@mapco.es  
www.mapco.es

MAPCO Autotechnik GmbH  
Deposito Italia  
Via G. Palatucci 5  
47122 Forlì (FC)

T: +39 0543 1 75 31 26  
F: +39 0543 1 75 31 26  
E-Mail: info@mapco-italia.it  
www.mapco-italia.it