



Flushing Device Adapters Kit - Extended Universal

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The following guidelines and recommendations are in accordance with the applicable safety regulations and are therefore based in principle on compliance with such safety regulations. MAGNETI MARELLI Aftermarket shall not be held liable for any damage or injuries resulting from a failure to observe the applicable safety regulations and the following instructions. All operators are therefore urged to comply and implement the following information and to strictly comply with the accident prevention regulations in force in the country where the equipment is installed and used.

Safety devices may be removed only where this is strictly necessary for the performance of regular or emergency maintenance interventions.

If the safety devices are removed, all appropriate safety precautions must be taken to detect any possible dangers.

The reassembly of the removed safety devices should take place as soon as the reasons for their temporary removal have been eliminated.

All regular and emergency maintenance interventions must be carried out after the unit has been switched off.

All transport, installation, use, maintenance and repair works on the unit, whether regular or emergency, must be carried out by specialised and competent operators only.

The SPECIALISED AND COMPETENT OPERATOR shall mean the person or persons who, having received the appropriate and necessary instructions, are designated and authorised by the owner of the equipment to perform the necessary installation and/or use of the equipment or plant in which it is installed.

The aforementioned personnel shall wear appropriate clothing protecting against accidents at work and, in particular, shall not wear clothing with elements that are loose or likely to be caught by moving parts.

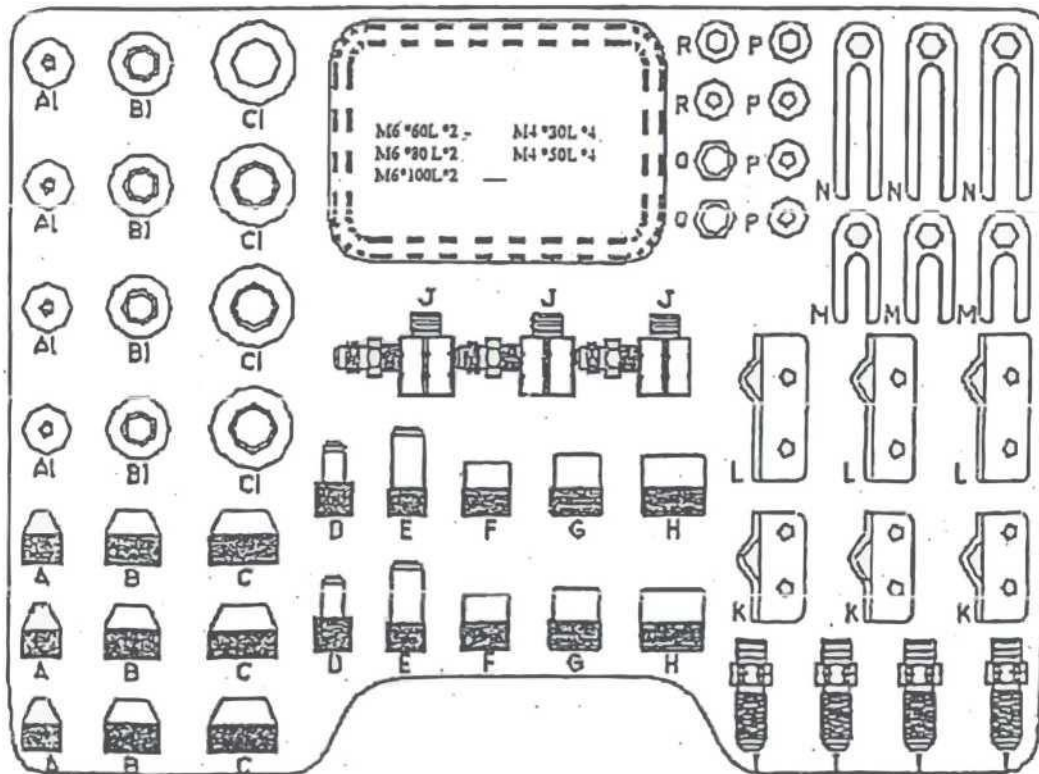
The flushing unit may not be used for purposes other than those recommended and not in accordance with its intended use without prior consultation with MAGNETI MARELLI Aftermarket

Important

Before using the Magneti Marelli Flushing Device Adapters Kit, read this User Manual and familiarize yourself with the specifications and operation. The User Manual will provide you with important information on operation and servicing of the kit.

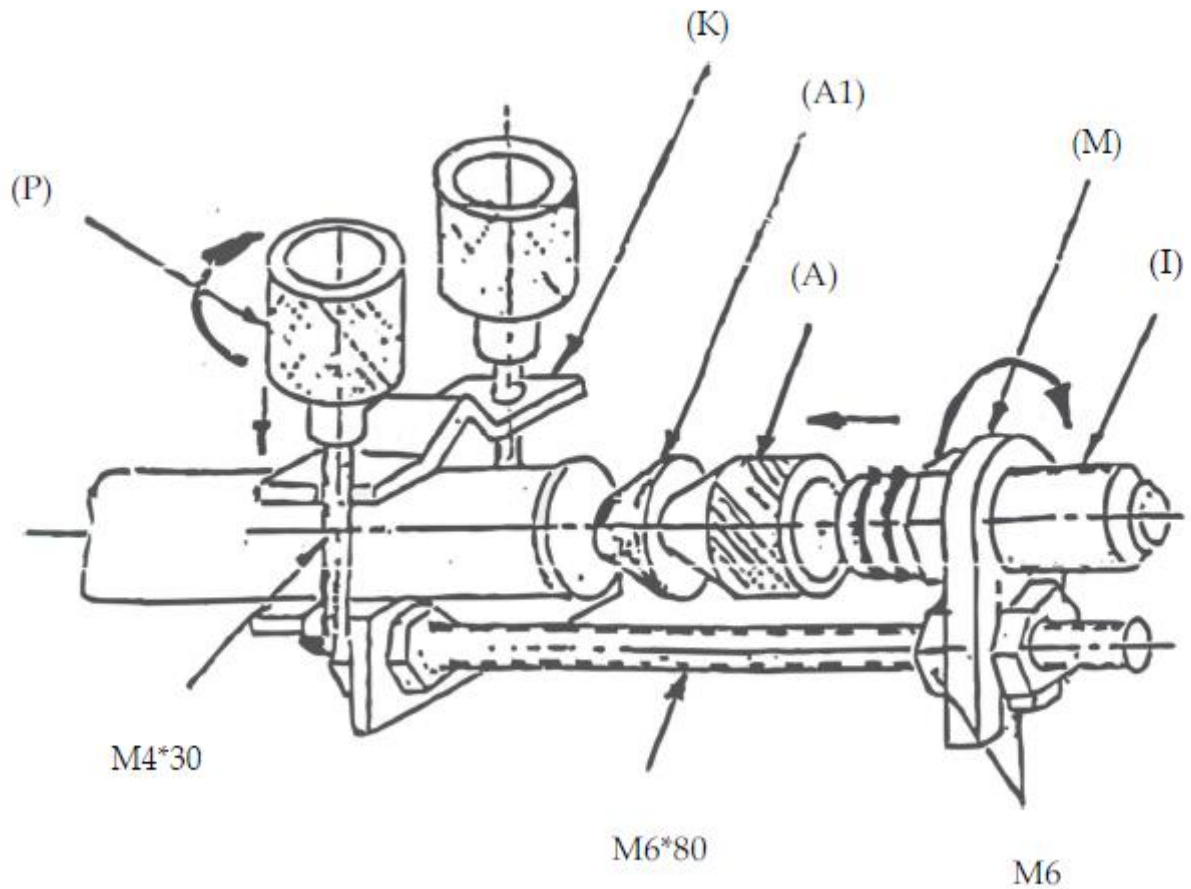
The Adapters Kit includes special patented conical connectors that adapt to most air conditioning systems installed in European, American and Asian cars. Since the individual elements are made of copper, they are rustproof and more durable.

The kit contains:



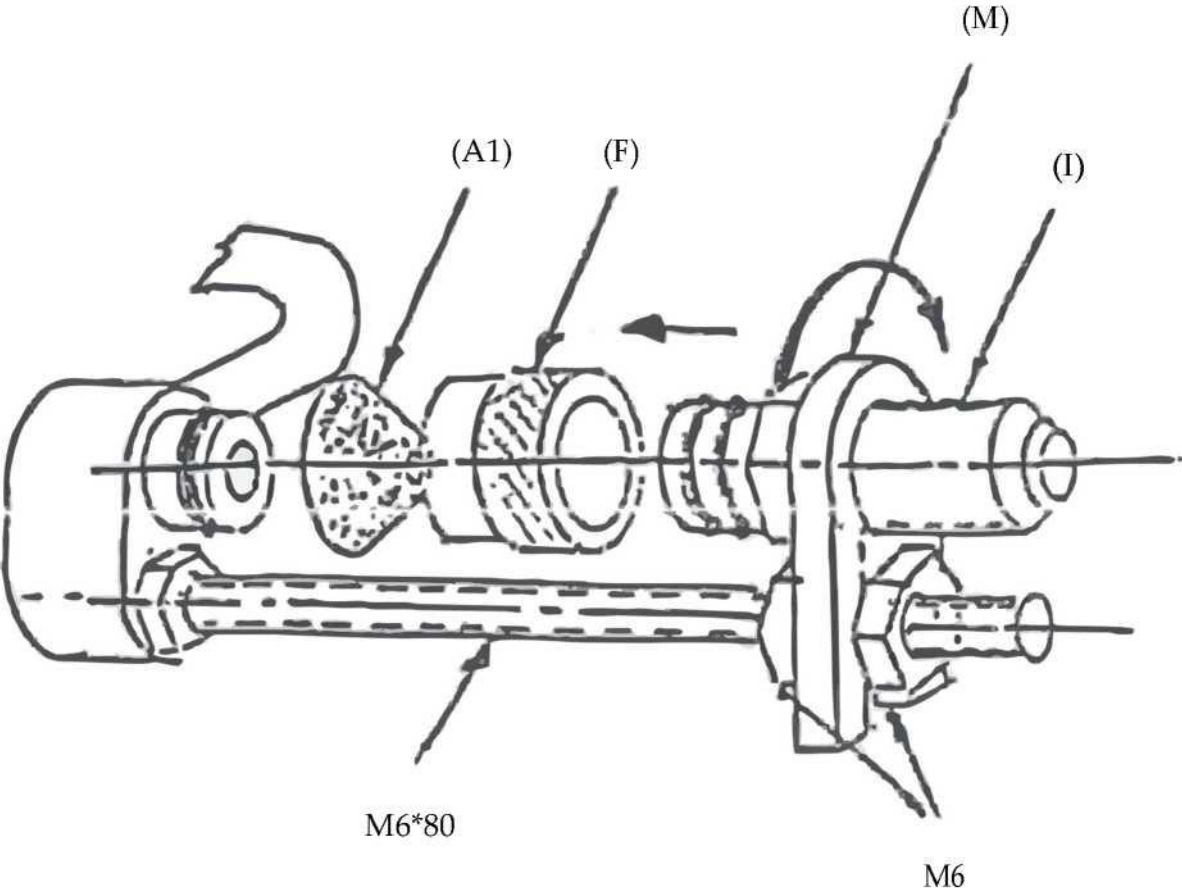
Part Number	Name	Description
(A)(B)(C)	Convex conical connector	Diameter: (A) 50~150 (B) 110~200 (C) 160~250
(A1)(B1)(C1)	Cone-shaped rubber washer	Diameter: (A1) 60~180 (B1) 130~240 (C1) 180~300
(D)(E)	Special connector for holes	
(F)	Concave conical connector	Diameter: (F) 70~130
	Flat connector	Diameter: (G) 100~180 (H) 160~240
(I)	Connector for the hose from the flushing device	7/16*20UNF
(J)	Connector for the hose from the flushing device 90°	
(K)(L)	Clamp mount	(K) <=18mm (L) <=40mm
(M)(N)	C-shaped mount	(M) 28mm (N) 40mm
(P)	Clamp mounting nuts	
(Q)	Fixing bolts	7/16*20UNF
(R)	Connector	7/16*20UNF - can be connected to any end of the pipe to stop the flow

Installation example R12 - Figure 1



- Install the clamp (K) on the tube of the flushing device using special nuts (P) and M4x30 bolts on both sides
- Select the conical rubber seal (A1) and a convex cone connector (A) to fix the connector (I)
- Install the connector (I) and the adapter (A) to the mount (M). Tighten everything carefully by turning the mount (M)
- Select 2 M6 nut and a bolt of suitable length to connect the clamp (K) and the mount (A1) (A) (M) (I). Secure the bolt with M6 nuts on both sides. Make sure that the bolt is parallel to the mounting. Check if the connection is rigid and then connect the hose from the flushing device to the connector (I)

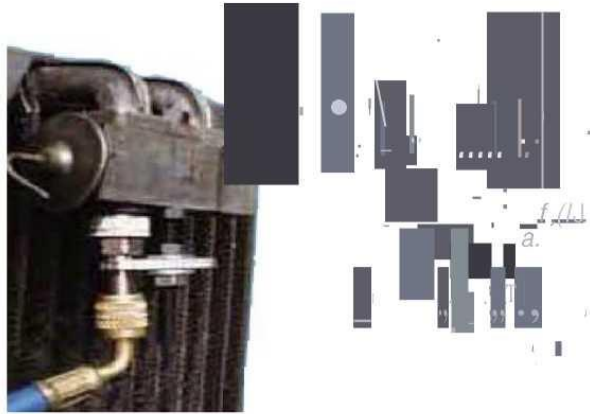
Installation example R134A - Figure 2



Install the adapters in the same way as in the previous example but skip the clamp (K) and replace the connector (A) with the connector (F)

Other examples of installation:







GUARANTEE TERMS AND CONDITIONS FOR THE SALE OF MAGNETI MARELLI AFTERMARKET PRODUCTS

DEFINITIONS

Guarantee and Guarantee at Sale - this statement, which defines the obligations of the Guarantor and the rights of the Customer and the Consumer in the event that they have purchased the Product from the Guarantor and the Product has a physical defect inherent at the time of purchase, not resulting from improper use.

Guarantor – is the entity granting this Guarantee, defined as MMAM (Magneti Marelli Aftermarket).

Customer - a natural person, a legal person or an organizational unit without legal personality, but having the capacity to perform legal acts, who purchases Products from MMAM for the purpose related to its business or professional activity.

Consumer - a natural person purchasing the Products from MMAM for purposes not related to its business or professional activity.

Operating environment - conditions of operation of the Product which are within the parameters specified for a given Product and which the Customer or the Consumer is responsible for ensuring and maintaining.

Product - a movable item offered for sale by MMAM, purchased by the Customer or the Consumer. Unless otherwise indicated in the Guarantee, the Product covered by the Guarantee shall be considered as new, not used before.

Authorised Service Centre (ASC) - an entity which has concluded an appropriate agreement with MMAM and after competence verification, has obtained an authorisation from MMAM to perform repairs under this Guarantee.

Seller - the entity which sells the Product directly to the Customer or to the Consumer, independent of MMAM, and which may enter the MMAM distribution system.

Spare part - An item which is used for the repair of another movable item, becoming after the repair a fixed, inseparable part thereof, and not a Consumable Part.

Consumable part - An item intended for the use of other movable item, the operator of the movable property is obliged to replace it within periods determined by the manufacturer, provided that its life is generally much shorter than the life of the movable property. The wear of such a Product depends on the intensity of use of the movable item and does not constitute a defect.

Service - a general definition of the group of entities which perform repairs under this Guarantee, including entities authorized by MMAM as well as entities with which MMAM has other agreements for the provision of repair services of the Products.

Repair location - the geographical location where the Products are repaired under this Guarantee.

MMAM - Magneti Marelli Aftermarket Parts & Services S.P.A., operating in Poland through **Magneti Marelli Aftermarket Sp. z o.o.**, with its registered office in Katowice (40-476 Katowice), Plac Pod Lipami 5., tel. +48 32 60 36 107, fax +48 32 60 36 108, e-mail: checkstar@magnetimarelli.com.

GENERAL PROVISIONS

1. This Guarantee constitutes a general warranty statement by the Guarantor and applies to Products which are not excluded from the terms of this Guarantee in the text of this Guarantee or when sold to the Customer or to the Consumer. If the Products are accompanied by special guarantee conditions, they shall take precedence over the present Guarantee, in particular as regards the duration of the Guarantee and the exclusion of the liability of the Guarantor. In such cases, this Guarantee is of an auxiliary nature to the extent not regulated by the special conditions.

2. The Customer and the Consumer are responsible for the use, maintenance and possible inspection of the Products and of the software provided by MMAM with due care. If the Customer's expertise is required for these activities, it is the Customer's responsibility to have such expertise. For this reason, the Products intended for the professional market should not be purchased or used by a Consumer who, in such cases, within the meaning of this Guarantee, act at their own risk.

3. Failure to exercise due diligence, lack of expertise in the handling of the Products, failure to familiarize oneself with the operating conditions and technical parameters of the Products, in particular with the attached instructions for use or operation, may result in the exclusion of the Guarantor's liability under this Guarantee, including any resulting damage.

DURATION OF THE GUARANTEE

1. The Guarantor grants a 24-month Guarantee for defects of the Products, calculated from the date of sale of the Products.

2. Defects of the Products, within the meaning of the Guarantee, include defects existing in the Products themselves at the time of purchase of the Products by the Customer or the Consumer and do not include defects arising as a result of incorrect service conditions and technical parameters of use of the Products. The entity competent to confirm the defectiveness of the Products is the Service. In case of disputes, such competencies are vested in the Authorised Service Centre (ASC), MMAM and an external expert. The costs of expert's involvement or costs connected with Service employee travels, as well as costs of sending the Products, in the case of an unjustified complaint, shall be borne by the party submitting the complaint under the Guarantee.

3. If the Products are installed and commissioned by the Service employees at the Customer's or the Consumer's premises, the guarantee period shall be calculated from that moment on.

4. The duration of the guarantee:

- restarts for the Products replaced in their entirety,
- is not extended by the duration of the repair,
- for replaced spare parts – ends upon the expiry of the Guarantee for the entire Product.

TERRITORIAL REACH OF THE GUARANTEE

The territorial reach of the Guarantee is limited to the territory of the Republic of Poland.

OBLIGATIONS OF THE CUSTOMER AND CONSUMER

1. At the moment of receiving the Product, the Customer should check whether the Product or its packaging do not have any defects visible to the naked eye. If the Customer notices such defects, they must report them to the carrier or courier at the time of receipt. In the event of defects which are not visible to the naked eye and which may arise during transport, the Customer shall notify MMAM within 5 days of receipt of the Products so that MMAM can make a claim against the carrier or the courier within 7 days from the date of delivery, in accordance with the Transport Regulations. In case of a courier service, it will be possible to demand unpacking of the Product and stating its condition in the presence of courier – resulting from the conditions of providing this service.

2. The Customer and the Consumer shall indemnify MMAM and dealer against all liability for any damage arising from the Customer's misuse of the goods or from the use of the goods in a manner inconsistent with the instructions and sequence of operations set out in the programmes and operating instructions.

3. The Customer must use all data and information received from MMAM or the dealer directly or through the use of programs and operating instructions in the knowledge that they may not be exhaustive and that they must be used in addition to the professional knowledge of the Customer.

RIGHTS IN CASE OF A DEFECT

1. Under this Guarantee, the Customer or the Consumer shall have a claim to restore the proper functioning of the Product through replacement or gratuitous repair.

2. The choice of the manner of restoring the proper operation of the Product shall be made by the Service.

3. Replaced parts and materials become the property of MMAM.

GENERAL EXCLUSIONS FROM THE GUARANTEE

1. The Guarantor's liability under the warranty for sale to the Customers, as specified in the Civil Code, is excluded. The Guarantor does not exclude the Consumer's rights under the warranty provided for in the Civil Code.

2. The Guarantee shall not cover any defects or malfunctions of the Products caused as a result of:

- a) incorrect use or maintenance of the Products and incorrect or inappropriate adjustments;
- b) the use of software, interface, parts or consumables not supplied by the official MMAM trade and service network;

- c) unauthorised modifications or incorrect use;
- d) use of the products in an environment which is not within the parameters specified for the given Product;
- e) incorrect preparation or maintenance of the operating environment.

SPECIFIC EXCLUSIONS FROM THE GUARANTEE

1. Software is excluded from the guarantee granted by MMAM. If MMAM has an appropriate software manufacturer's guarantee, it shall inform the Customer or the Consumer of this and can make a claim on their behalf to the software manufacturer if

the conditions of such guarantee are met, the manufacturer's liability has arisen and the guarantee period has not expired.

2. Although MMAM has taken all measures to ensure the accuracy of the information contained or displayed, it does not warrant that the software or any information contained or displayed therein is free from errors. The data and material (in various forms) contained in the software or archives to which the Customer or the Consumer has access may come from various sources, including: original materials distributed by various manufacturers and materials delivered to MMAM by companies specialising in the preparation of this type of information.

3. The Guarantee also does not cover any problems related to the software conflict, if installed on a hardware platform other than the one manufactured or indicated by MMAM (e.g. PC, notebook, tablet, smartphone). Examples include problems caused by incompatibilities between MMAM programs and software environments that have inadequate requirements or are protected by antivirus systems that prevent proper installation and operation; environments that are damaged by viruses; environments that are supported by inadequate hardware.

4. Liability for legal defects in the software, as well as for damage that the software may cause to the IT infrastructure or to the Customer's individual computers, is excluded.

5. The Guarantor's liability for defects of the air conditioning station is excluded in case the Customer did not use Magneti Marelli consumable liquids at the station.

6. The Guarantee does not cover Consumable parts. A defect in a Consumable part may, however, be accepted by the Service if the Service determines that the parts wore unnaturally fast compared to their equivalents. The decision in this respect is made by the Service.

7. The Guarantee on Spare parts covers only their defects, caused by the fault of the manufacturer, which will be removed by repair or replacement. Under no circumstances may the Customer make any claims under the Guarantee in respect of the costs of installation, dismantling or any other damage incurred as a result. The correct functioning of spare parts is largely affected by the efficiency and correct use of the entire unit in which they are installed.

LOCATION FOR EXERCISING GUARANTEE RIGHTS

1. The exercise of the rights of the Customer or the Consumer under this Guarantee, subject to other agreements in writing or directly with the Service or MMAM, shall be carried out in an Authorised Service Centre or in the designated Service.
2. The Guarantee excludes damage caused during transport or damage caused by the use of improper packaging, in the case of Products sent to the Service.
3. In the absence of other written agreements, the costs of sending the Products for repair or replacement from the Customer's place of business to the Authorised Service Centre or to the designated Service and/or costs of delegation of the Service staff to the Customer shall be borne by the Customer.
4. Before the Products are sold to the Customer or the Consumer, MMAM and the dealer shall perform technical acceptance of the Products. The Customer or the Consumer renders this Guarantee invalid if they had not carried out all periodic inspections prior to the occurrence of the defect, as provided for in the operating manual accompanying the product. This also applies to air-conditioning service stations.
5. The addresses of Authorized Service Centers and Services are enclosed with the Guarantee. Reasonable comments on the operation of the Services should be sent to MMAM.

RESPONSE AND REPAIR TIME

1. The Service shall make every effort to take a position on the legitimacy of the complaint within 14 days from the delivery of the Products, informing the Customer or the Consumer thereof.
2. The Service shall repair the Products as soon as possible, within a period not exceeding 30 days, subject to the provisions of item 3.
3. If the repair of the Products within the period specified in item 2 is not possible due to a particularly complicated defect, lack of spare parts, lack of possibility of quick diagnosis of the defect, etc. the Service will carry out the repair accounting for the possibility of solving the above problems.
4. The liability of MMAM for any damage resulting from the exclusion of the Product from use during the repair, including an extended repair period, for the reasons specified in item 3, shall be excluded.

CONSUMER STATEMENTS

This Guarantee does not exclude, limit or suspend the rights of the buyer, who is a Consumer, and which result from the provisions on the warranty for defects of the sold item, specified in the Civil Code.

PERSONAL DATA

I agree to the processing of my personal data in a database administered by MMAM. Personal data will be processed in order to exercise the rights under the Guarantee. The person providing personal data has the right to access and correct the content of their data. The processing of personal data is based on the provisions of the Act of 29 August 1997 on personal data protection.

Magneti Marelli Aftermarket Sp. z o.o.

.....

signature

GUARANTOR

Customer / Consumer

Katowice,

Magneti Marelli Aftermarket Spółka z.o.o.

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