

FB 30^s

03.9302-3010.4 740288

BA





Operating instructions

ATE Brake bleeding unit FB 30^s (03.9302-3010.4)

Preface

Congratulations – You have opted for a state-of-the-art high quality ATE brake bleeding unit of Continental Teves Corporation. The ATE brake bleeding unit is characterized by ease of handling. Prior to delivery, each device is carefully inspected for function and perfect condition. Please contact your sales partner for all question regarding the unit.

1. Introduction

Please read these operating instructions carefully. Pay special attention to the safety notes of these operating instructions! Keep the operating instructions for future reference or pass them on to possible future owners of the unit.

Work on braking equipment may only be performed by mechanics with the appropriate expert knowledge and corresponding shop equipment. Generally, the specifications contained in the original documentation of the vehicle manufacturer must be followed.

1.1 General safety notes

- The unit may only be connected to a power supply with voltage, current type and frequency matching the specifications on the type plate! Never pull the power plug on the cord (2) when unplugging it!
- Do not start operation of the unit if:
 - the power cord (2) has been damaged,
 - the housing or the filling hose (3/5) show signs of damage.
- **Never connect the unit to compressed air.**
- Operate only with pure brake fluid on glycol base (DOT 3, DOT 4, DOT 5.1). **Products containing mineral oil will destroy the unit.**
- **Before** corrective maintenance, cleaning or repairs on electric devices, the user must ensure that the device is without current, i.e. switched off and the power plug pulled and the brake fluid has been drained from the unit.
- The unit and its components may only be cleaned with alcohol. Do not rinse the unit with running water!
- Repairs may only be performed by trained professionals with corresponding shop equipment.
- Improper repair or handling may lead to significant hazards to the user and may damage the unit. – Unintended use or improper operation of the unit will void the liability for possible damages.
- A function and leakage check must be performed after the repair of the unit has been completed. It must be ensured

hereby that units for brake fluids (blue units) are only operated with brake fluid on glycol base (DOT 3, DOT 4, DOT 5.1). The use of brake fluids not recommended will lead to the destruction of the unit.

1.2 Safety notes on the brake fluid

- Do not swallow or drink brake fluid! Strictly avoid contact with eyes and skins. In case of emergency, immediately consult a physician and present container information.
- Swallowing or drinking brake fluid leads to symptoms of poisoning such as headaches, dizziness, stomach pain, vomiting, and diarrhea and, in severe cases, may cause cramping, unconsciousness or death.
- If brake fluid has entered the eyes, rinse them immediately with much clear water. An eye specialist must be consulted immediately after the eyes have been rinsed.
- If brake fluid has come in contact with the skin, rinse the skin immediately with much clear water. Immediately contact a physician in case of skin irritation.
- Change clothing soiled with brake fluid as soon as possible.
- Always keep brake fluid closed and store only in original containers. Brake fluid must not be accessible to children or other persons not able to read the label and warnings.
- When painted or sensitive surfaces come into contact with brake fluid, immediately wash the paint with clear water.
- Follow the recommendations and regulations of the vehicle manufacturer when refilling the brake system with brake fluid.
- Glycol-based brake fluids (DOT 3, DOT 4, DOT 5.1) may not be mixed with mineral oil. A mixing of the fluids will lead to the total failure of the brake system.
- The safety data sheets for ATE brake fluids are available for download in the internet at <http://www.ate.de>.

2. Application and features

- Suitable for passenger car and commercial vehicle applications with corresponding adapter (see www.ate.de for a vehicle specific adapter list)
- Allows for quick filling, bleeding and replacing of brake fluid on hydraulic brake systems/clutch activations.
- Suitable for container sizes from 5 l to 30 l of brake fluid.
- Pump cannot run dry – acoustic warning signal and pump shut-off when container is empty.
- Working in „One-man operation“.
- Easy use through clear design.
- Mobile with casters and positioning handle.
- Adjustable constant working pressure through EPC (Electronic Pressure Control).

- ABS-tested and applicable
- MB SBC-tested and applicable
- Unit is CE conform and tested. A certificate of conformity can be provided upon request.

3. Prerequisites

- 230 V Power supply (50-60 Hz)
- Adapter matching the vehicle type (see www.ate.de for vehicle specific adapter list)
- Brake fluid recommended by vehicle manufacturer (container size 5 l–30 l)
- Environmentally compliant disposal options for old brake fluid

4. Operation startup

4.1 Preparation for operation

The illustrations on page 5 demonstrate the steps required for setting up the unit. The packaging must be disposed off in compliance with legal and official waste regulations.

4.2 Place brake fluid container

The illustrations on pages 6–8 demonstrate the steps required for startup of the unit.

4.3 Replace empty brake fluid container

The illustrations on page 9 demonstrate the steps required to replacing the brake fluid container.

5. Suction extraction

5.1 General information on extraction by suction of glycol-based brake fluid

Warning: Do not draw off any product containing mineral oil as this will damage the unit.

Make sure that the collecting bottle has been drained before starting suction process.

Check the level of liquid in the collecting bottle during the process and drain the bottle if necessary.

After completion of suction process, drain the filled collecting bottle into the special collecting container on the back of the unit (see point 7).

⚠ The braking system cannot function if the brake fluid reservoir has been drained! The vehicle may not be used on the roads if the brake fluid reservoir has been drained. If this warning is ignored, there is a risk of personal and material damage due to loss of braking system!

The pictures on page 10 show the basic procedure for suction extraction in order to drain a brake fluid reservoir.



6. Bleeding

6.1 General notes on bleeding of brake systems

The bleeding instructions of the vehicle manufacturer must always be observed and followed!

⚠ Work on braking equipment may only be performed by mechanics with the appropriate expert knowledge and corresponding shop equipment. Generally, the specifications contained in the original documentation of the vehicle manufacturer must be followed.

The illustrations on page 11 demonstrate the basic procedure when replacing brake fluids of brake system/brake fluid replacement.

Attention: If, after bleeding, the travel of the brake pedal is too long after repeated firm activation of the brake pedal or if the pressure buildup is too „soft“, the brake system must be bled once more according to the vehicle manufacturer's instructions.

A leakage, function and action check of the service brake system must be performed after each filling, bleeding and brake fluid replacement.

7. Disposal

7.1 Brake fluid

Used brake fluid must be collected in a suitable collecting container (ATE-220 liter collecting container system) separated by category. Used brake fluid may not be mixed with other fluids since it must otherwise be disposed off as special waste at a high cost.

In keeping with the legal and official waste regulations, the used brake fluid must be brought to a waste removal or waste recycling facility certified for this purpose.

7.2 Containers

The brake fluid containers must be emptied completely and disposed off in compliance with the legal and official waste regulations.

7.3 Unit

The unit is to be returned to your sales partner or be disposed off in compliance with the legal and official waste regulations.

8. Storage

8.1 Brake fluid

Always keep brake fluid closed airtight and store only in original containers. Brake fluid must not be accessible to children or other persons not able to read the label and warnings.

8.2 Unit

The unit must be stored in a clean and dry environment. The unit must be stored inaccessible to unauthorized persons.

9. Corrective maintenance/Repair

9.1 Unit

Corrective maintenance and repair may only be performed by expert personnel!

9.2 Corrective maintenance/Repair by customer service

The device must be submitted to the sales partner. The device must be shipped using appropriate and sufficient packaging. ATE is not liable for possible transport damages. The sender will pay the shipping costs.

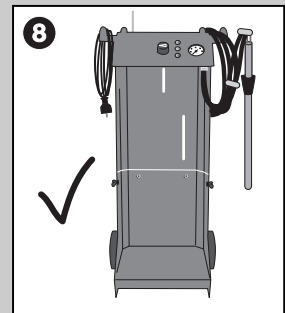
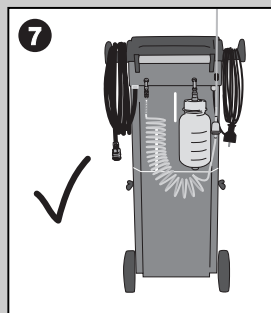
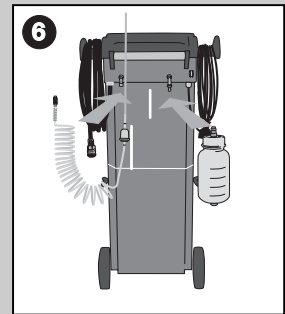
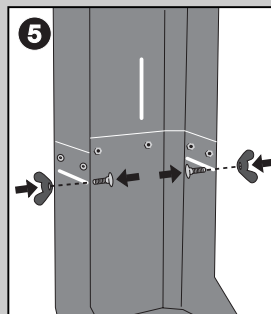
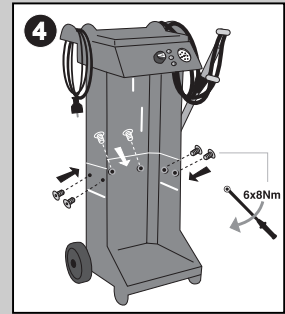
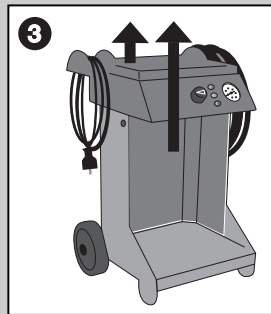
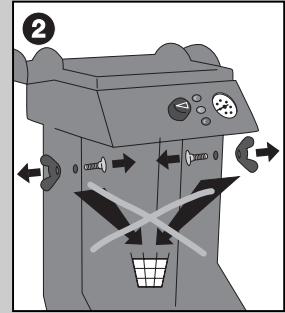
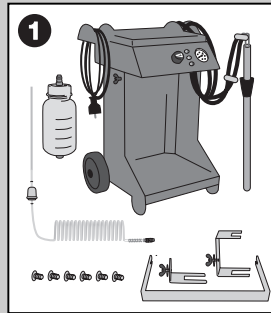
Warranty repairs must be coordinated directly with Continental Tevel AG & Co. oHG.

10. Technical data

Height:	915 mm
Width:	475 mm
Depth:	380 mm
Empty weight:	16.8 kg
Capacity:	up to 30 l
Power supply:	230 V / 50-60 Hz
Output E-Motor:	125 W
Delivery rate of pump:	Approx. 0.9 l at 2 bar back pressure
Ranges of control:	Unit without pressure/switched off, 0.4 bar (40000 Pa), 1 bar (10000 Pa), 2.2 bar (22000 Pa)
Output of suction pump:	1 l/min
Temperature – Work area:	0° C - 45° C
Automatic cut-off of pump:	at approx. 0.5 l remaining quantity with acoustic warning
Electrical fuse:	5x20 mm M 5 A 250 V
Pressure regulator:	0-6 bar (0-600000 Pa)
Length of connecting cable:	4.20 m
Filling hose length:	3.50 m

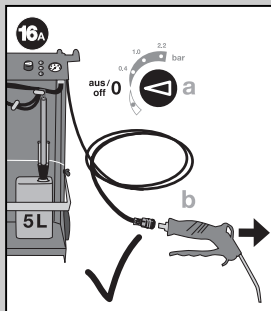
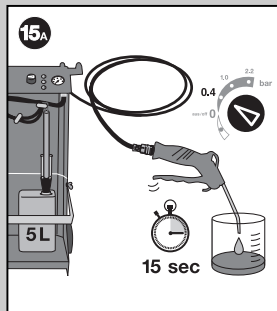
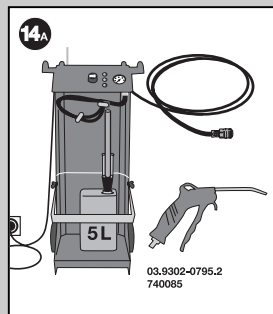
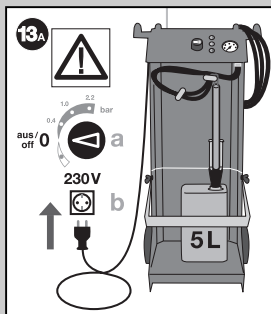
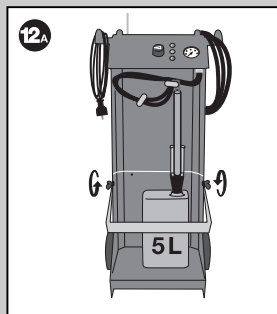
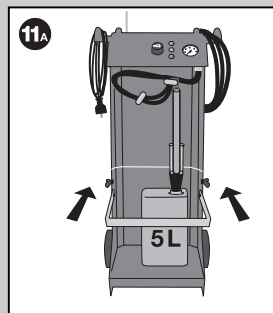
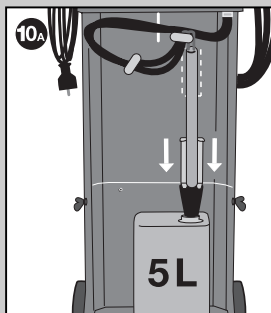
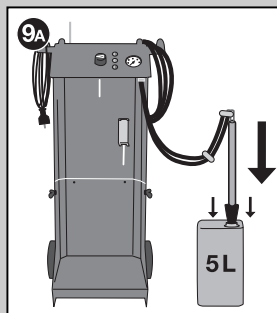
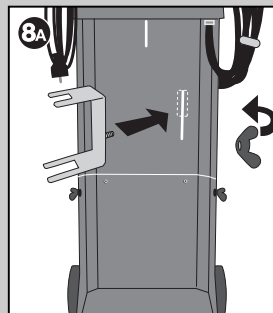
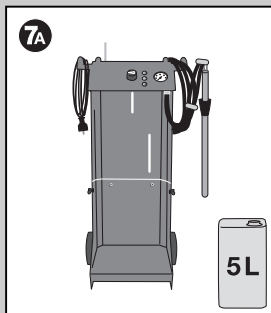
Technical changes, including engineering changes, remain expressly reserved.

4.1

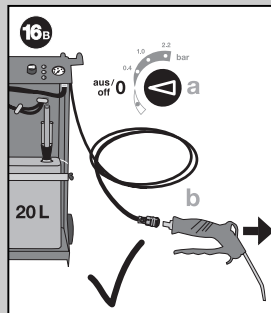
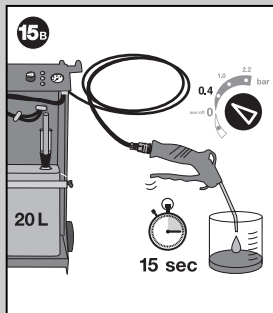
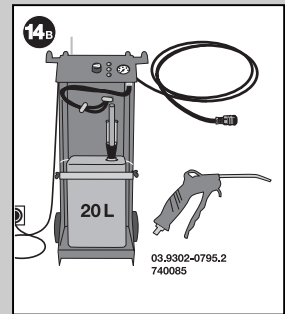
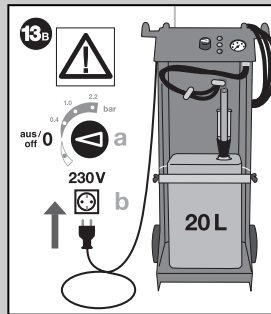
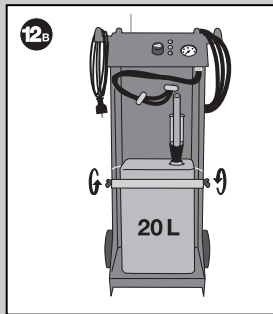
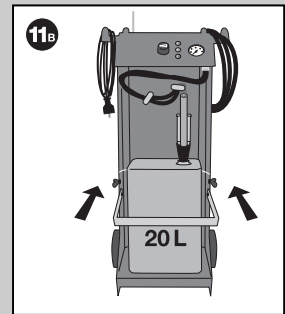
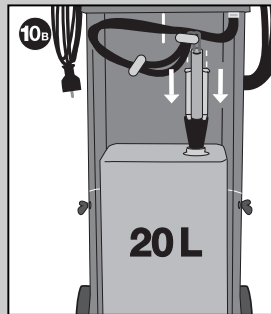
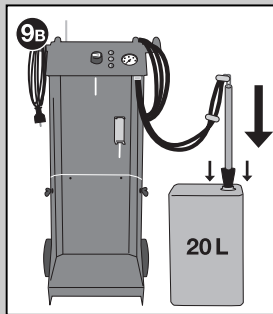
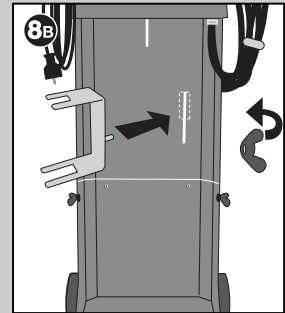
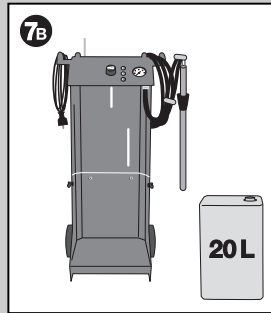


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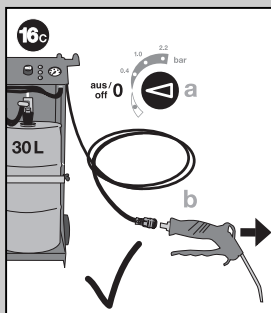
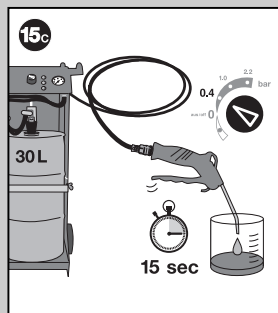
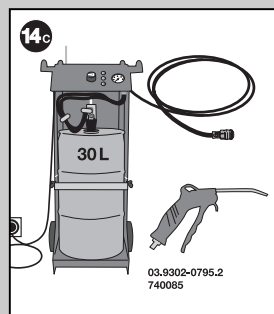
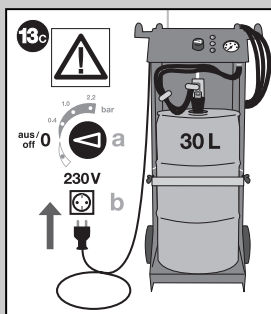
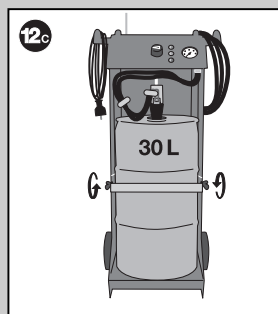
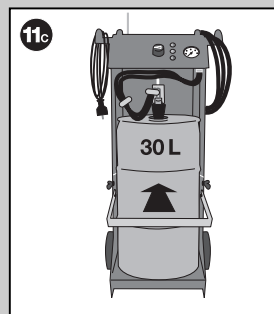
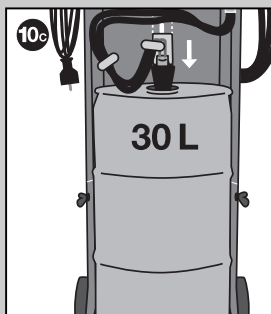
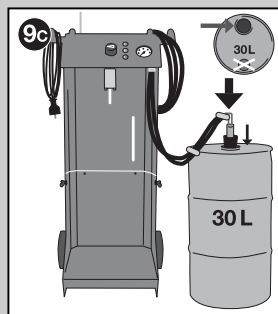
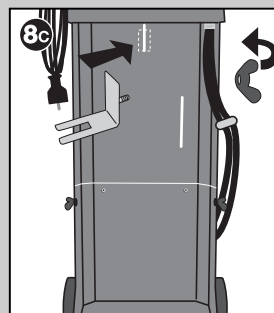
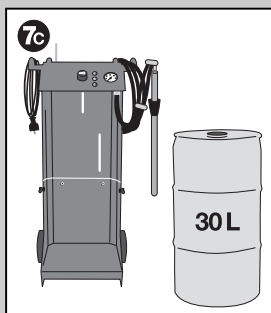
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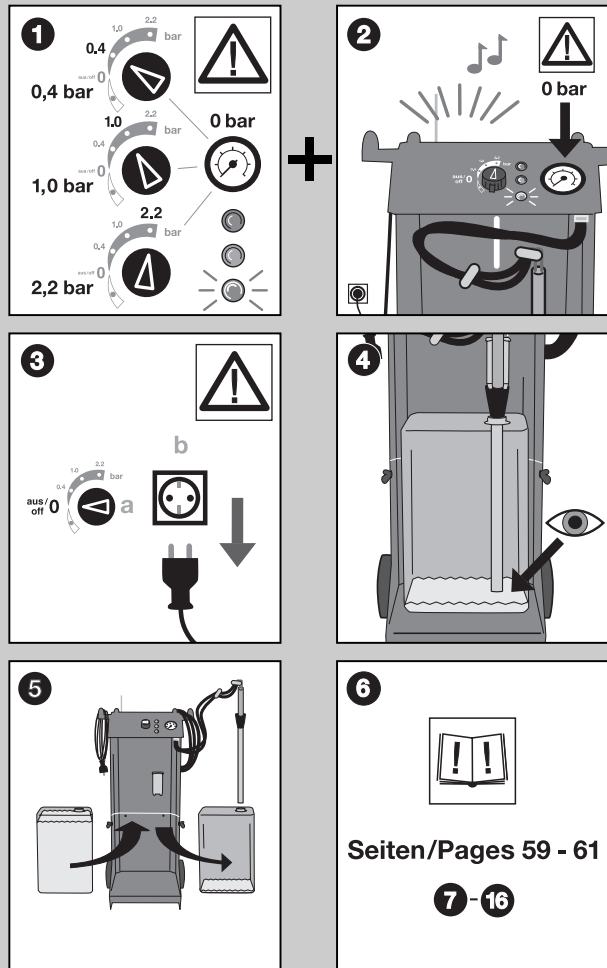
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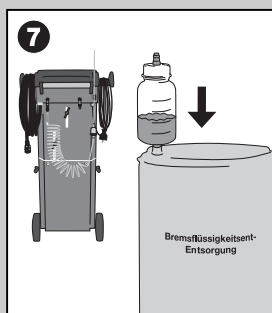
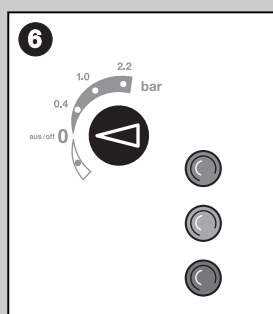
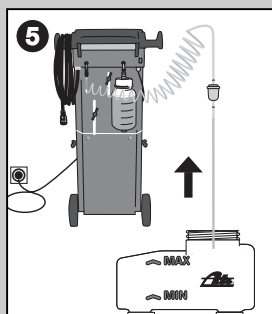
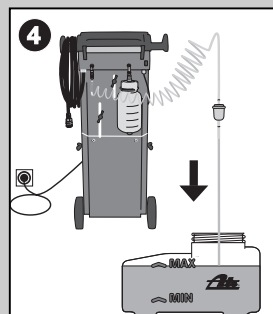
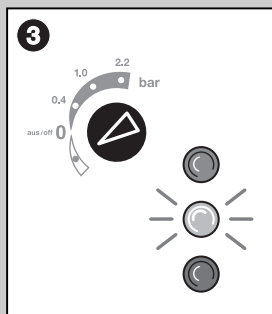
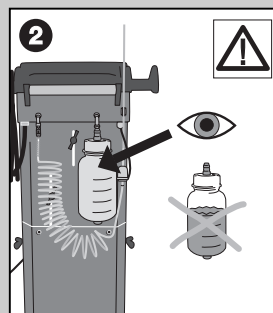
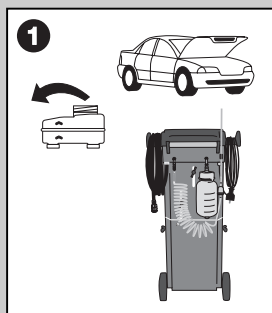
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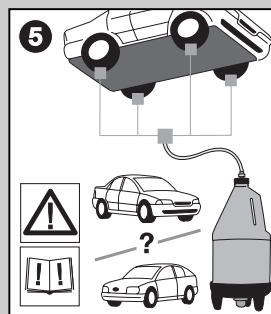
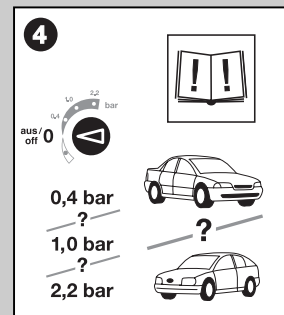
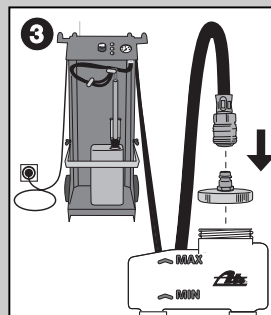
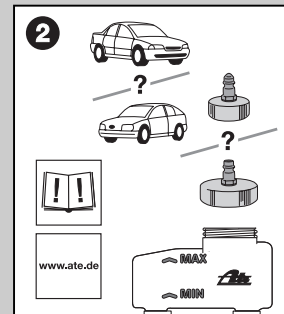
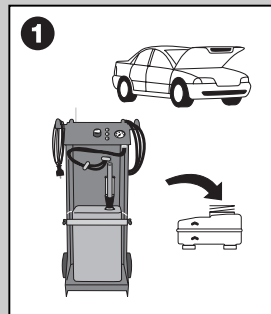
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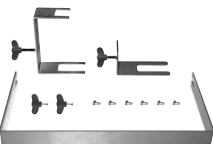
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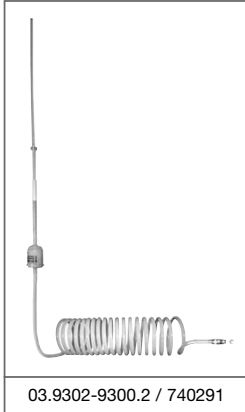
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03.9302-0800.3 740271



03.9302-0795.2 740085



03.9312-0100.4 760032



03.9314-1500.3 760041



03.9314-5900.3 760068



G
(DOT 3)

SL
(DOT 4)

SL.6
(DOT 4/Class 6)

Typ 200
(DOT 4)

**Super Blue
Racing**
(DOT 4)



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