



USER MANUAL
MAINTENANCE AND SPARE PARTS
BRAKE BLEEDER
BRK600





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1 INTRODUCTION

1.1 PURPOSE OF THE INSTRUCTION MANUAL

This user and maintenance manual contains data concerning the performance, technical characteristics, use and maintenance methods for the standard and correct operation of the machine.

The user is recommended to read it carefully and to comply with the rules and procedures contained in it, as they provide important indications regarding the safety of use.

This will allow to optimize the operation, increase the duration of the machine, and operate safely.

Failure to comply with the suggested rules can cause malfunctions, anomalies, or damages; the machine must therefore be intended only for the use for which it was expressly designed.

The **manufacturing company** will not be held responsible for breakages, accidents, or various inconveniences due to the non-compliance (or in any case non-application) of the requirements contained in this manual. The same applies to the execution of modifications, variations, and/or the installation of accessories, that were not authorized in advance.

1.2 HOW TO READ AND USE THE INSTRUCTION MANUAL

The machine was manufactured in accordance with all Community rules concerning the free movement of industrial products in the countries of the European Community (check the Machinery Directive 2006/42/EC).

The machine is then provided complete with all the documentation required by these regulations.

The user manual, maintenance and spare parts is an integral part of it and contains all the information necessary for a good operation of the machine with particular attention to the safety of the involved personnel.

1.3 PRESERVATION OF THE MANUAL

This instruction manual is an integral part of the machine and must therefore be carefully preserved for any further consultation.

- 1) It is recommended to use the manual carefully so as not to damage the content and not compromise its functionality.
- 2) Do not remove, tear or rewrite parts of the manual for any reason.
- 3) Store the manual in places protected from moisture and heat.
- 4) The user manual must be stored near the machine so that consultation is facilitated.
- 5) The place of preservation of the manual must be clearly identifiable and known to all operators authorized to use the machine.
- 6) Once the consultation has been completed, the manual must be stored in the appropriate place of storage.
- 7) The manual must be kept for the duration of use of the machine and transmitted to any other user or subsequent owner.

1.4 MANUAL INSTRUCTION UPDATE

The **manufacturing company** reserves the right to make changes, additions or improvements to the manual itself, without this being a reason to consider this publication inadequate.

1.5 RECIPIENTS

This documentation is addressed to qualified and appropriately trained technical staff.

Only qualified personnel have the necessary technical knowledge to correctly interpret and apply concretely the safety regulations and warnings contained in the specific documents.

Knowledge and correct application of safety regulations and warnings are prerequisites for the installation and setup free of hazards as well as for safety during operation and maintenance of the described product.

"Qualified personnel" means those persons who, by reason of their training, experience, education, knowledge of the relevant standards, requirements, measures for the prevention of accidents and conditions of service, have been authorized by the person in charge for the safety concerning machineries to carry out any necessary activities and to be able to recognize and avoid any possible danger.

1.6 SYMBOLOGY

! The bold texts, preceded by this symbol, contain very important information/regulation regarding the good operation of the machine. Failure to comply may result in:

- loss of the contractual warranty
- declination of responsibility by the **manufacturing company**.

! The bold texts preceded by this symbol contain signs of possible dangers and important requirements to safeguard the safety of the operator. Failure to comply may result in:

- risks to operator's safety
- declination of responsibility by the **manufacturing company**.

2 GENERAL INFORMATION

2.1 MANUFACTURER IDENTIFICATION DATA

Top Auto S.r.l.

Viale del Lavoro 40, 37030 Colognola ai colli – Italy

tel. +39 0456170025 - fax. +39 6152493

info@topauto-equipment.com www.topauto-equipment.com




2.2 MACHINE IDENTIFICATION DATA

The machine is built in accordance with the Machinery Directive 2006/42/ currently in force for use within the European Community in the safety field. The CE marking tags and related product identification data are affixed to the machine. The serial number must also be used for the request of intervention or for spare parts.

The identification plate must always be kept legible with regard to all the data contained in it and must be periodically cleaned.

If the license plate deteriorates and/or is no longer legible, even in only one of the information elements reported, it is recommended to request another one from the manufacturer, citing the data contained in this manual, and provide for its replacement.

2.3 CE MARKING

		Top Auto S.r.l. Viale del Lavoro, 40 Colognola ai Colli - Italy Tel.+39 045.6170025	
Model:	BRK 600	POWER SUPPLY: 230V - 50Hz PRESSURE RANGE : 0-4 bar TEMPERATURE RANGE: + 5°C/+45°C PUMP CAPACITY: 1 l/min	
S/N:			
Year:			
V:	230V		
Made in Italy			

MODEL: Machine Model

SERIAL NUMBER: Machine Serial Number

2.4 GENERAL SAFETY RULES

→ In addition to the rules listed below, the machinery supervisor must comply with the regulation of current legislation on the safety and health of personnel at workplaces (Directive 2006/42/EC).

⚠ Always follow the safety regulations and instructions in this manual.

The **manufacturing company** disclaims all responsibility resulting from an incorrect use of the machine and the supplied equipment.

⚠ **The unit must not operate with liquids other than those for which the machine was built.**

⚠ The machine must be used by qualified personnel and can be used correctly only after reading this manual containing also the basic safety rules set out below:

- Wear gloves and goggles.
- Do not expose the machine to direct sunlight and rain.
- Before any operation check on the vehicle use and maintenance manual the type of fluid used by the braking system.
- Do not smoke near the machine and during operations.
- Do not use the machine in environments without lightning protection.

The equipment is classified in: Group II category 3G II B T3 and must be used in places with classification 2. The environmental conditions of use of the equipment are as follows:

- pressure from 80 kPa (0.8 bar) to 110 kPa (1.1 bar);
- temperature from – 20°C to + 60°C;
- air with normal oxygen content, usually 21 % v/v.

⚠ **The machine shall not be used in places at risk of explosion and/or fire classified in the following areas:**

1. zone 0 – 20 / 1 – 21;
2. maximum operating temperatures T4, T5 and T6.

Machine storage: the machine, when not used, must be stored in a dedicated place having the following characteristics:

1. There must be no trigger sources, such as heat sources, open flames, sparks of mechanical origin, electrical equipment, stray electric currents and cathodic corrosion (verify that the electrical distribution system complies with the laws in force); (check the grounding of the plant's electrical distribution system).

- Use the machine away from heat sources, open flames and/or sparks.
- Always make sure that when you turn off the engine the vehicle ignition key is brought to the "All Off (OFF)" position.
- Keep connection pipes away from moving or rotating objects/elements.
- Keep connection pipes away from hot objects/elements.
- Always make sure that the liquid tank is at the correct level.
- Before connecting the machine with the power grid, check that the voltage and the frequency of the power supply corresponds to the values indicated in the CE marking.
- Always check that the exhausted fluid tank is not full before starting each operation
- Throw the extracted liquid in the appropriate containers for exhausted oils.
- Check frequently that the two filters on the device are not obstructed.
- Use only the liquids recommended by the manufacturer.

Failure to comply with each of the above safety rules results in the decay of any form of warranty on the machine.

2.5 BRAKE FLUIDS - PERSONAL PROTECTIVE EQUIPMENT AND PRECAUTIONS

! The operator must wear appropriate protections such as goggles, gloves, and clothing suitable for work.

2.5.1 FIRST AID MEASURES



Inhalation	If inhaled, go quickly to the open air. If symptoms appear ask for medical assistance. In case of inhalation of decomposed products in a fire, symptoms may be delayed. It is possible that the exposed person shall be kept under medical supervision for 48 hours.
Contact with the skin	Skin degreasing. It can cause dryness and skin irritation.
Eye contact	Not classified as eye irritant. Based on the documentation available for this or other similar materials.
Ingestion	Diethylene glycol: ingestion of diethylene glycol can cause metabolic acidosis, kidney damage, central nervous system depression and convulsions. The estimated lethal dose for an adult is circa 100 ml.
Main symptoms and effects, both acute and delayed	Overexposure to inhalation of drops in the air or aerosols can cause irritation of the respiratory tract. Ingestion of large amounts can cause nausea and diarrhea. Prolonged or repeated contact with the skin may over-degrease the skin and cause irritation and/or dermatitis. Potential risk of burning or temporary redness in case of accidental eye contact.

2.5.2 FIRE-FIGHTING MEASURES

Usable means for extinguishing a fire	In case of fire, use sprays or fire extinguishers based on foam, anhydrous chemicals, or carbon dioxide.
Special hazards arising from the substance or the mixture	Exposure to flames can cause the container to break or explode. Dangerous combustion products: in the event of fire, the following products may result by thermal decomposition: Carbon monoxide, carbon dioxide, nitrogen monoxide, nitrogen dioxide
Recommendations for people in charge of fire extinguishing	No action should be taken involving any personal risk or without appropriate training. Promptly isolate the area by moving all people away from the accident area in the event of a fire.
Special protective equipment for fire-fighters	Firefighters must wear protective equipment and a self-contained breathing apparatus (SCBA) with full face mask on the face operating at positive pressure. Clothing for firefighters (including helmets, protective boots, and gloves) that comply with the EN 469 European standard will ensure basic level protection for chemical accidents.

2.5.3 MEASURES IN THE EVENT OF AN ACCIDENTAL LEAK

Small leak	Stop the leakage if there is no risk. Move containers away from the leakage area. Absorb with an inert material and put the spilled product in a special recovery container. Dispose of waste through an authorized company for waste disposal.
Big leak	Stop the leakage if there is no risk. Move containers away from the leakage area. Prevent the leakage in sewer systems, waterways, bases, or limited areas. Circumscribe and collect any leak with non-combustible absorbent material, such as sand, soil, vermiculite, diatomite and dispose of the product in a container in accordance with the current legislation. Dispose of waste through an authorized company for waste disposal.

Environmental pre-cautions	Avoid dispersion and outflow of any spilled material and contact with waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, land or air).
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2.6 WARRANTY

The terms and conditions of the warranty are established as follows unless otherwise specified in the Order Confirmation:

Subject of the Warranty

The **manufacturing company** guarantees the good quality and good construction of the machine it builds, forcing itself, during the specified warranty period, to repair or replace free of charge the parts whose premature breakage or wear are due to poor quality of the materials used, defect in processing or imperfect assembly.

The warranty of those parts whose breakage or wear are due to:

- Failure to comply with the instructions contained in the User and Maintenance Manual.
- Lacking or incorrect maintenance.
- Lacking or incorrect cleaning of all the components of the machine that need to be cleaned regularly.
- User's negligence related to level control, filters cleaning, auxiliary services, power supply.
- Use of tools not suitable to perform ordinary and extraordinary maintenance.
- Modifications or tampering carried out by the user or carried out by third parties, without specific approval by the **manufacturing company**.
- Use of non-original spare parts.

2.7 DURATION OF WARRANTY

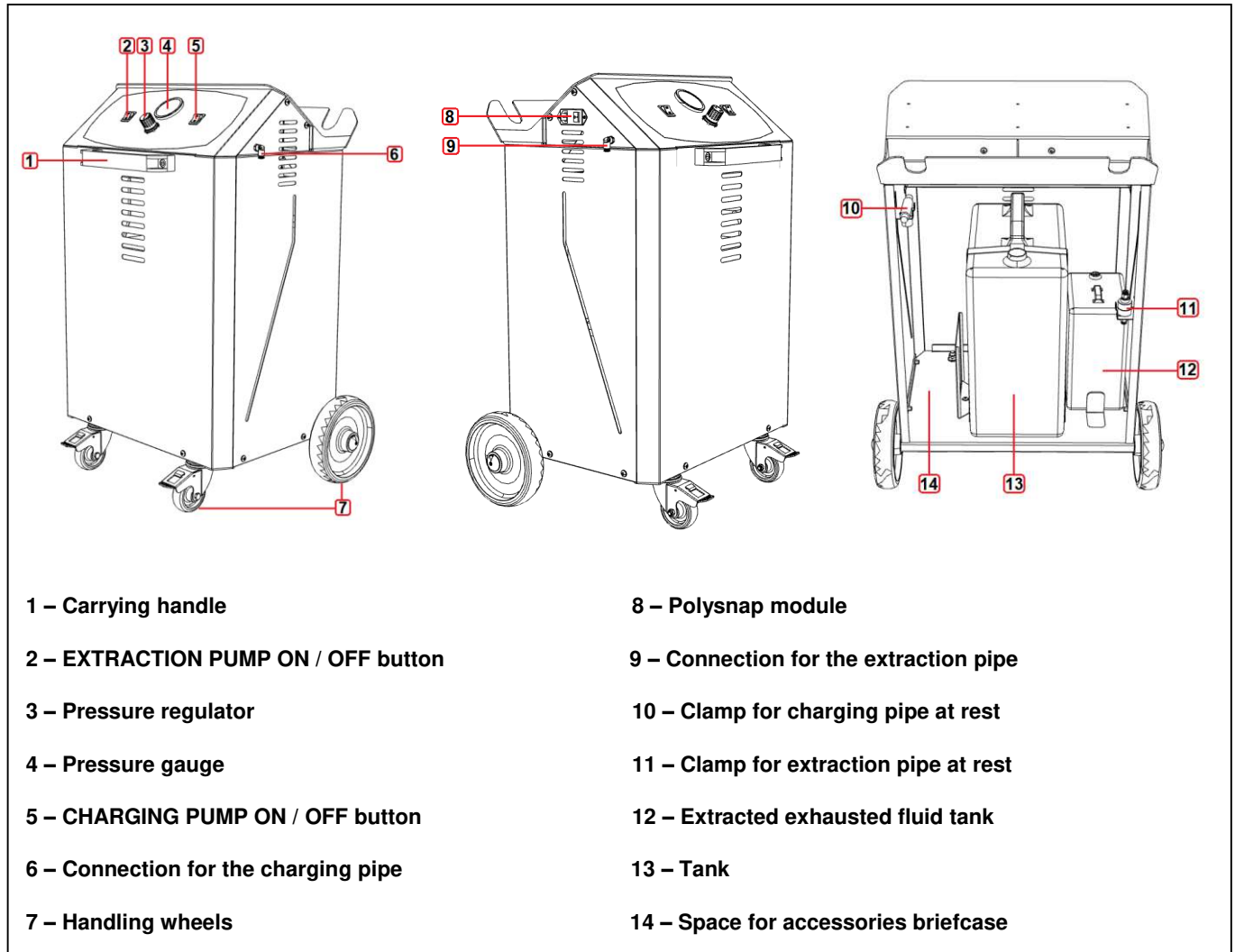
For warranty terms, reference is made to what is contractually agreed.

3 MACHINE DESCRIPTION

3.1 OPERATING PRINCIPLES

The machine referred to in this manual was designed and built to bleed the braking system in a single series of operations, without any dispersion into the environment of brake fluids present in the vehicle braking system.

3.2 MACHINE COMPONENTS



3.3 TECHNICAL SPECIFICATIONS

Compatible fluid types	Pre-DOT – DOT2 – DOT3 – DOT4 – DOT5 – DOT5.1 – DOT6 – DOT6.1 - LHM
Exhausted fluid tank capacity	5 l
New fluid tank capacity	5 l standard (predisposition for tanks up to 25 lt)
Operating pressure	0 – 4 bar
Extraction pump power	30 W (1 l/min)
Charging pump power	30 W (1 l/min)
Charging/extraction pipe length	7,5 m
Power supply	230/50-60 Volt/Hz
Machine size	67x54x90H cm
Pack size	
Unladen weight	
Noise	< 70 dB (A)

4 OPERATION AND USE

4.1 DESCRIPTION OF THE MACHINE OPERATION

The machine referred to in this manual has been designed and built for the replacement and discharge of brake fluid from brake and car clutch systems. The liquid is constantly pumped into the brake liquid tank with a pressure of 0 to 4 bar. The liquid to be replaced can therefore be discharged through the individual bleeding valves of brake calipers until the new liquid comes out. This technique avoids the formation of air bubbles in the system and avoids the typical annoying pouring operations.

4.2 MACHINE CYCLES

1) Extraction

- The pump extracts the exhausted brake fluid from the specific pan in the engine compartment until completely emptied.

2) Connection

- The adapter can be found in the specific kit and connects to the pan instead of the original cap.

3) Charging new liquid

- The pan is filled up to the expected level.

4) Bleeding old liquid

- The exhausted liquid is extracted from the system through the bleeding valves.

5) Disconnection

- The pressure is bled by the specific valve and the adapter is disconnected by putting the original cap back on the pan.

4.3 INTENDED AND UNINTENDED USE

The machine in question has been designed and built for the above use. The machine must not be used for uses other than those specified here.

It is forbidden to:

- Use the machine with a different liquid than the indicated one in this manual.
- Modify the operation principle of the machine in any way by adding or removing components to it.
- Use the machine in explosive and/or fire-risk environments.
- Plug in the machine to energy sources other than those envisaged by the manufacturer
- Use commercial devices for a purpose other than the manufacturer intended.

⚠ ATTENTION It is the obligation of the employer (or safety officer) to ensure that the machine is not used improperly, endangering the health of the operator and exposed persons. It is the worker's obligation to inform the employer (or the safety officer) if there is a danger of improper use of the machine because, as an educated person, the worker is responsible for the machinery use he is going to carry on.

4.4 WORKSTATIONS FOR OPERATORS

The machine is designed to work in the presence of an operator. The presence of an operator is provided for the connection and disconnection of the machine to the vehicle as well as to setup and switch off the cycle. The dismantling of the protective casings and the consequent access inside the machine is provided only for maintenance and cleaning operations.

5 INSTALLATION

5.1 DELIVERY AND CONTROL

Once the machine leaves the production plant of the **Manufacturing company**, any damage to it is attributable to the carrier, be it a courier or a means of the buyer, unless otherwise specified in the Order Confirmation.

In case of damage to the machine, please inform the **Manufacturing company** as soon as possible.

At the time of delivery it is therefore necessary to check:

- The match between packing list and the actual contents of the packaging.
- The integrity of the packaging in all its parts, in order to identify any obvious damage attributable to the carrier.
- Any damage reported by the machine as a result of incorrect execution of the carrier.

Contents of the packaging:

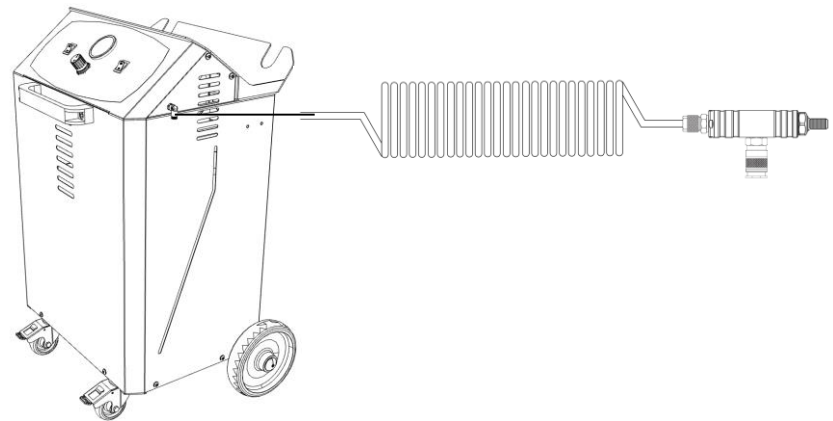
- 1 unit for the replacement of brake fluids
- 1 spiral charging pipe L= 7.5 m
- 1 spiral extraction pipe with filter L= 7.5 m
- 1 T-coupling to connect to adapters.
- 1 transparent pipe with rubber seal for bleeding valves connection L= 1 m
- 2 tanks (2 lt) for exhausted liquid bleeding
- 1 tank (10 lt) for extracted exhausted liquid.
- 1 tank (10 lt) for new liquid
- 5 adapters of various sizes
- 1 universal adapter
- 1 power cord

5.2 MACHINE SETUP

The machine is supplied fully assembled and tested. Before use, it is necessary to proceed with the preparation of the machine:

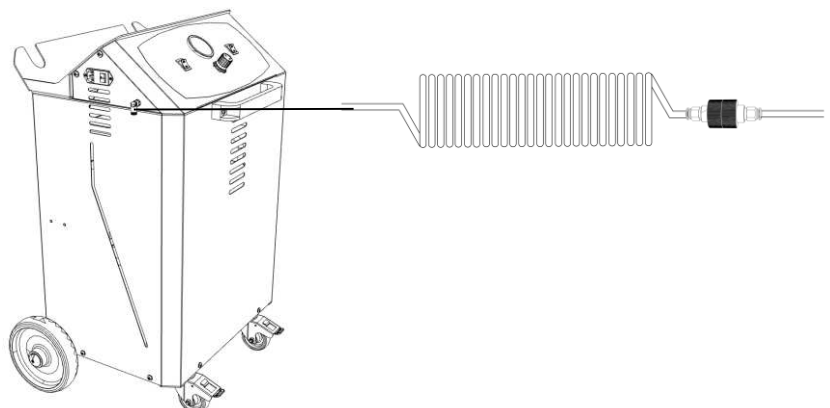
1) Connection of the charging pipe

Connect the spiral charging pipe with the T-coupling to the **right** connector of the machine



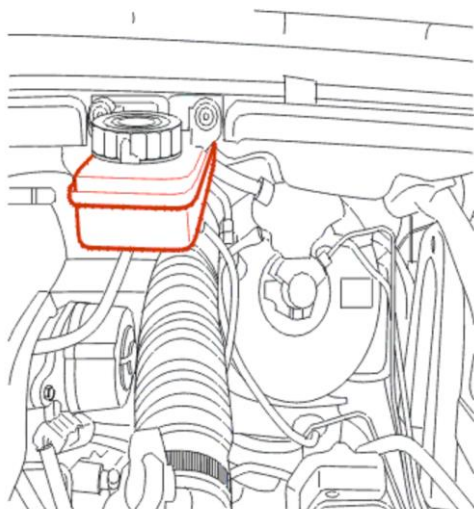
2) Connection of the extraction pipe

Connect the spiral extraction pipe with the filter to the **left** connector of the machine

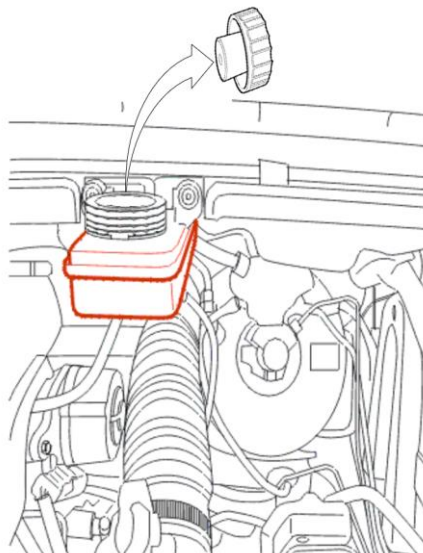


6 MACHINE USE

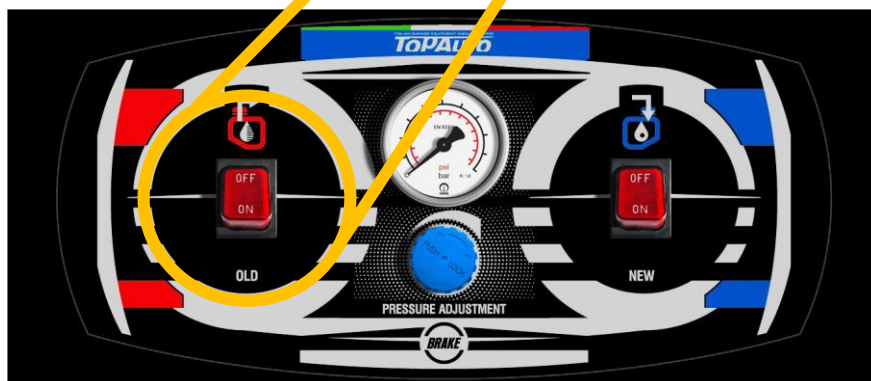
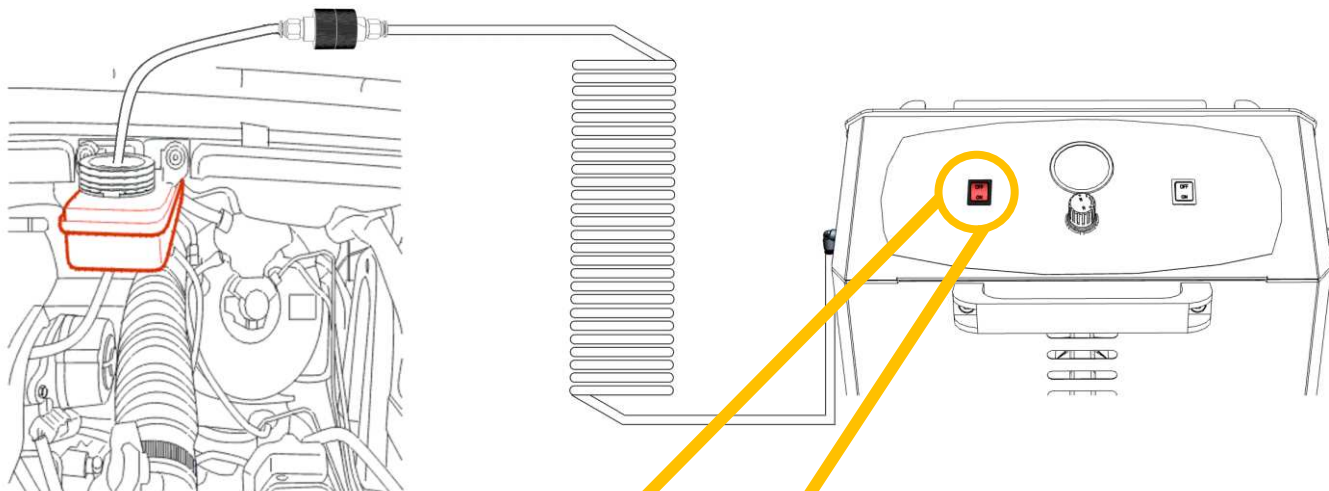
1. Identify the brake liquid pan located in the motor engine.



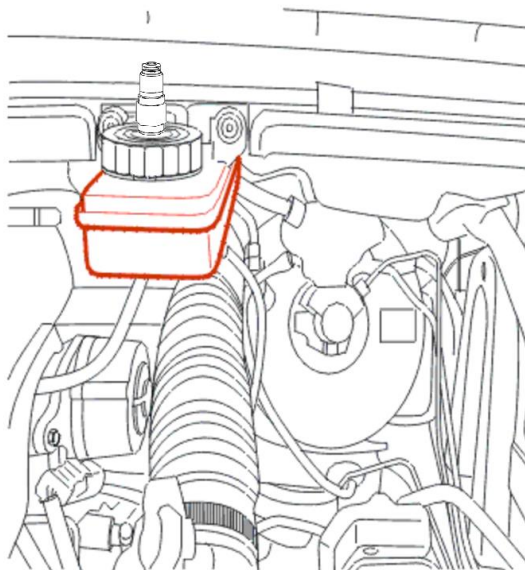
2. Remove the pan cap.



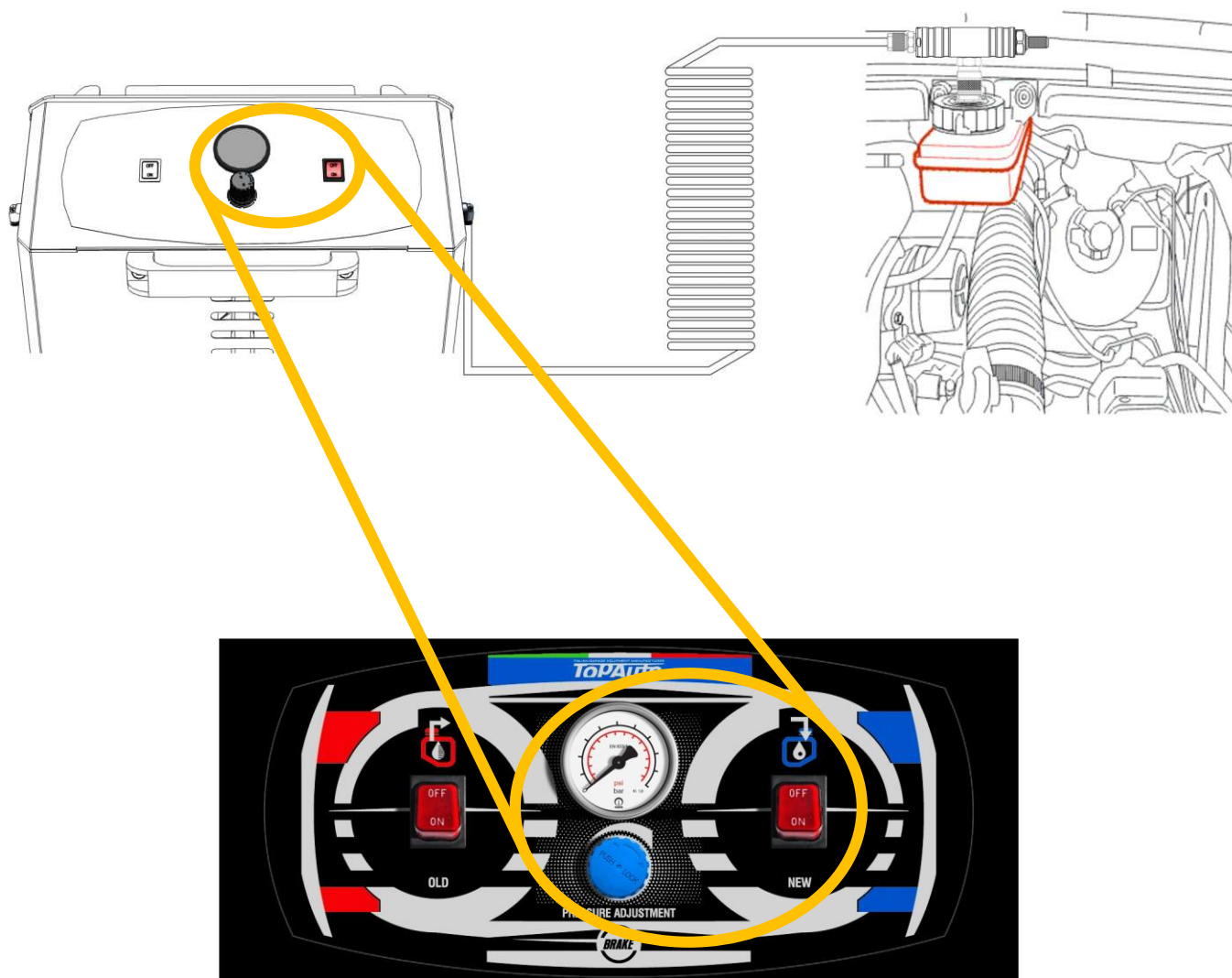
3. Insert the extraction pipe into the pan and press the ON button to start the pump and extract all the exhausted liquid. Stop the pump by pressing the OFF button when you start extracting air.



4. Identify the specific adapter and connect it to the pan making sure it is fixed correctly to avoid leakage during subsequent operations.

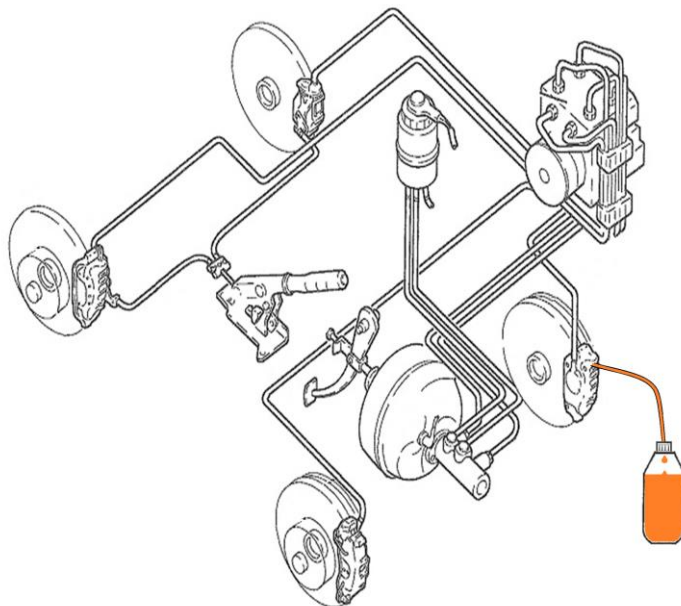
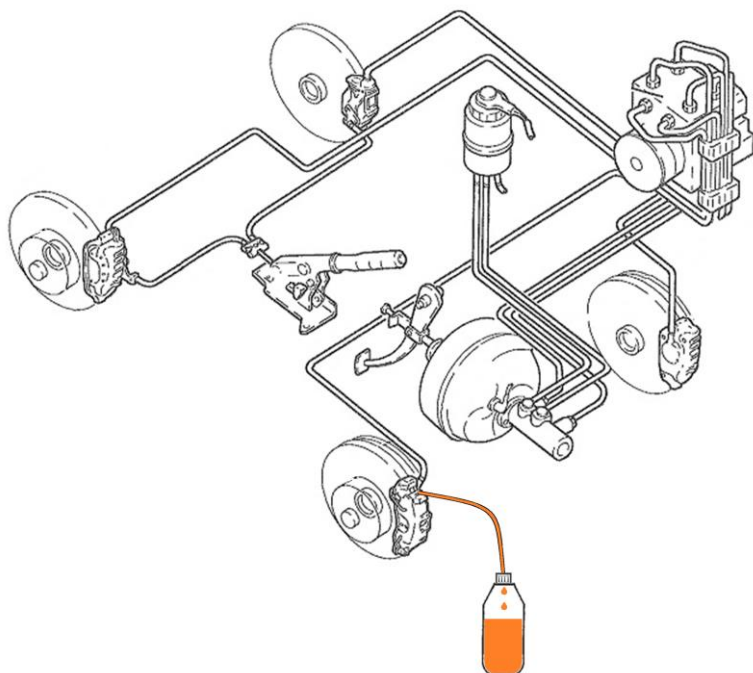
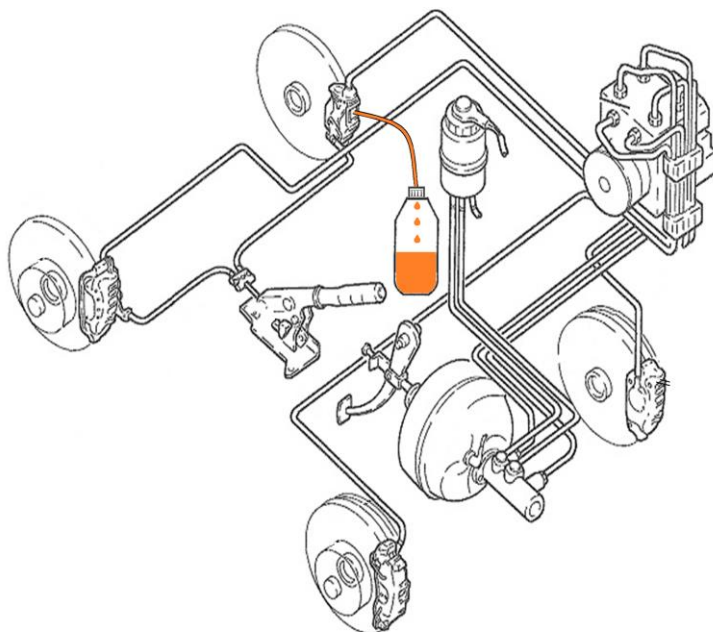
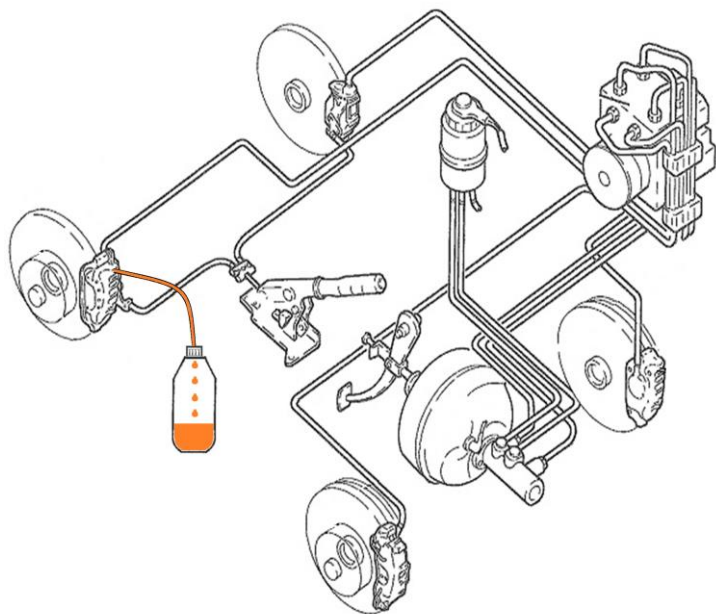
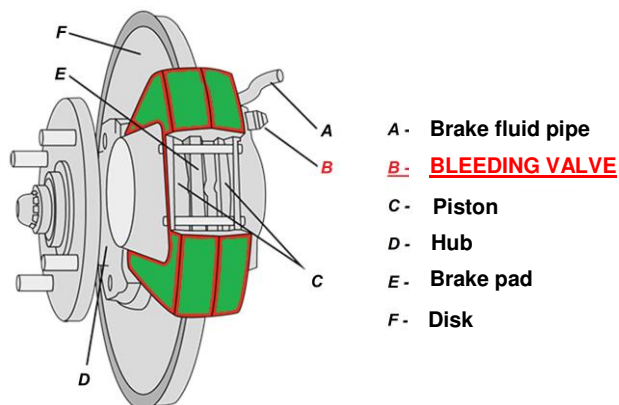


5. Connect the charging pipe to the adapter and press the ON button to start charging the new liquid. Through the pressure regulator set the working pressure (usually 1.5 – 2 bar)

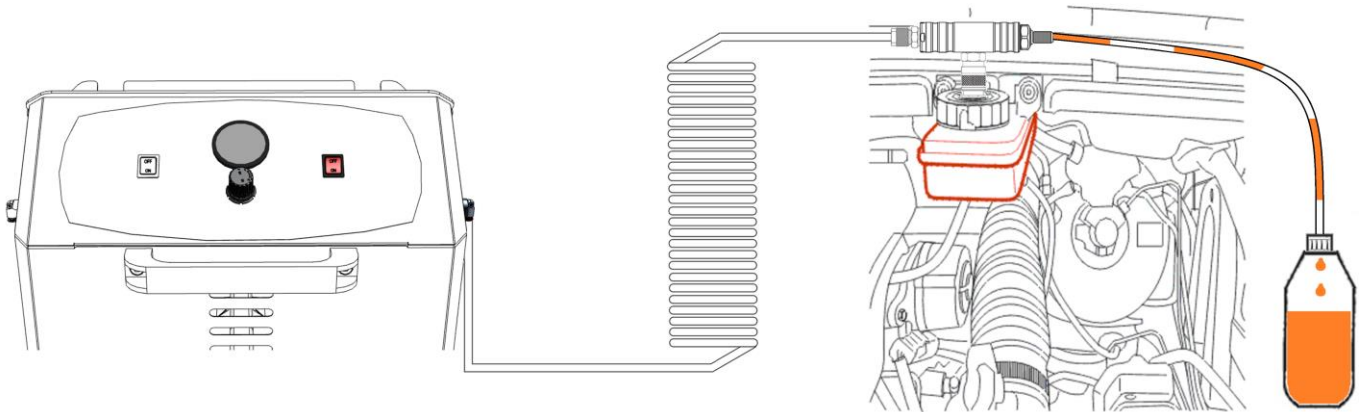


6. Use the pipette with the transparent tube and the 5l tank supplied to connect to the valve.
Use a wrench to open the bleeding valve until you see that the exhausted liquid comes out.
Bleeding is considered finished when new liquid comes out from the transparent pipe. Then close the bleeding valve and switch to the next brake caliper.


Carry out the bleeding operation on all 4 brake calipers.



7. Once the bleeding operation is finished, turn off the machine via the OFF button.
8. Connect the pipette with the transparent pipe and the 5l tank to the T-coupling bleeding valve to bleed the pressure in the charging pipe before disconnecting it.



9. Make sure the liquid inside the pan is at the correct level.
10. Disconnect the adapter and screw the original pan cap again.

	<p>ATTENTION!!!</p> <p>When performing the brake bleeding operation on cars that are over 5 years old or that still show signs of wear, it is absolutely advisable to replace the hoses that take the oil to the brake calipers. In fact, maintenance on the braking system involves a restoration of the original pressure. This pressure may be excessive for the old hoses, which may break causing the liquid to spill and consequent malfunction of the braking system with serious danger while driving.</p>
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6.1 PROBLEMS AND REMEDIES

The search for faults and the eventual repairing operations require compliance with ALL SAFETY PRECAUTIONS indicated in Chapter 2.

PROBLEM	REMEDY
General problems	
The machine does not work, the two ON/OFF switches do not light up	Check the 2 line fuses (those mounted in the polysnap module)
	Check the power cord
	Check the connection of the two ON/OFF buttons
When turned on, only one of the two ON/OFF buttons lights up	Check the connection of the not working button
	Replace the not working button
The machine works but the pumps do not start	Check pump connection
	Check the connection of thermal protectors
	Replace pumps *
Problems with exhausted liquid extraction	
The pump starts but extracts very slowly	Clean the filter on the extraction pipe
	Check the correct operation of the non-return valve
	Check that there is no narrowing on the pipes inside the machine
Problems with the new liquid charge	

The pump starts but struggles to charge the new liquid	Clean the filter on the pipe that goes into the new liquid tank
	Check the correct operation of the non-return valve
	Check that there is no narrowing on the pipes inside the machine
Problems with pressure regulation	
The machine does not reach the set pressure	Check that the adapter on the pan is connected correctly and that there are no leaks
	Replace pressure regulator *

* **CONTACT THE MANUFACTURER'S SUPPORT SERVICE.**

7 MAINTENANCE

! ALL MAINTENANCE OPERATIONS MUST BE CARRIED OUT WHEN THE MACHINE IS STATIONARY.

7.1 NATURE AND FREQUENCY OF CHECKS AND MAINTENANCE

To keep the unit in full efficiency, you must follow the stated maintenance timelines.

! FAILURE TO COMPLY WITH THE ABOVE STATEMENTS EXEMPTS THE MANUFACTURER FROM ANY RESPONSIBILITY TO THE EFFECTS OF THE WARRANTY.

AFTER 1 WEEK after the setup, you must check:

- The correct tightening of the screws;
- The correct tightening of the pipes;
- The absence of leaks in the machine.

EVERY 6 MONTHS you must check:

- The correct tightening of the screws;
- The correct tightening of the pipes;
- The integrity of the connection pipes;
- The cleaning of the two filters;
- The absence of leaks in the machine.

→ ATTENTION! The brake fluid must not be discharged in the environment; it is a special waste and as such it must be disposed of in accordance with the rules in force.

7.2 EXHAUSTED OIL TANK EMPTYING

When the level of the exhausted liquid in the tank exceeds half, it must be emptied in order to avoid leaks. Remove the tank with the exhausted liquid very carefully. Unscrew the cap and empty the tank into another tank for exhausted oils. Screw the tank cap again and place it in its location.

8 ADDITIONAL INSTRUCTIONS

8.1 DEACTIVATION AND DISASSEMBLY

According to Directive 2012/19/EU, the machine cannot be disposed of through municipal waste, but is required to be delivered to a specialised centre for the separate collection and disposal of Waste Electrical and Electronic Equipment (WEEE), or it can be returned to the retailer in case of purchase of a new machine. The law provides for sanctions for those who release WEEE into the environment. WEEE, if released into the environment or misused, can release substances that are dangerous to the environment itself and to human health.

9 SPARE PARTS

9.1 GENERAL INSTRUCTIONS

For the replacement of spare parts use only ORIGINAL SPARE PARTS.

The use of non-original spare parts entails the immediate suspension of the warranty; in addition, the **manufacturing company** disclaims all responsibility concerning the machinery safety in case of accidents.

The **manufacturing company** put its technicians in its factory at customers' disposal, to solve any problems regarding the use and maintenance of the machine.

To order a spare part, it is advisable to use the attached form below, which must be completed in all its parts.

The following is a list of the individual pieces, the number corresponding to the position occupied in the attached drawings, the code and the description.

Orders (which must be sent by fax or e-mail) must be addressed to:

Top Auto S.r.l.
Viale dell'Artigianato 4, 37042- Caldiero (VR) – Italy
tel. +39 0456170025 - fax. +39 0456152493
info@topauto-equipment.com www.topauto-equipment.com

9.2 SPARE PARTS REQUEST FORM

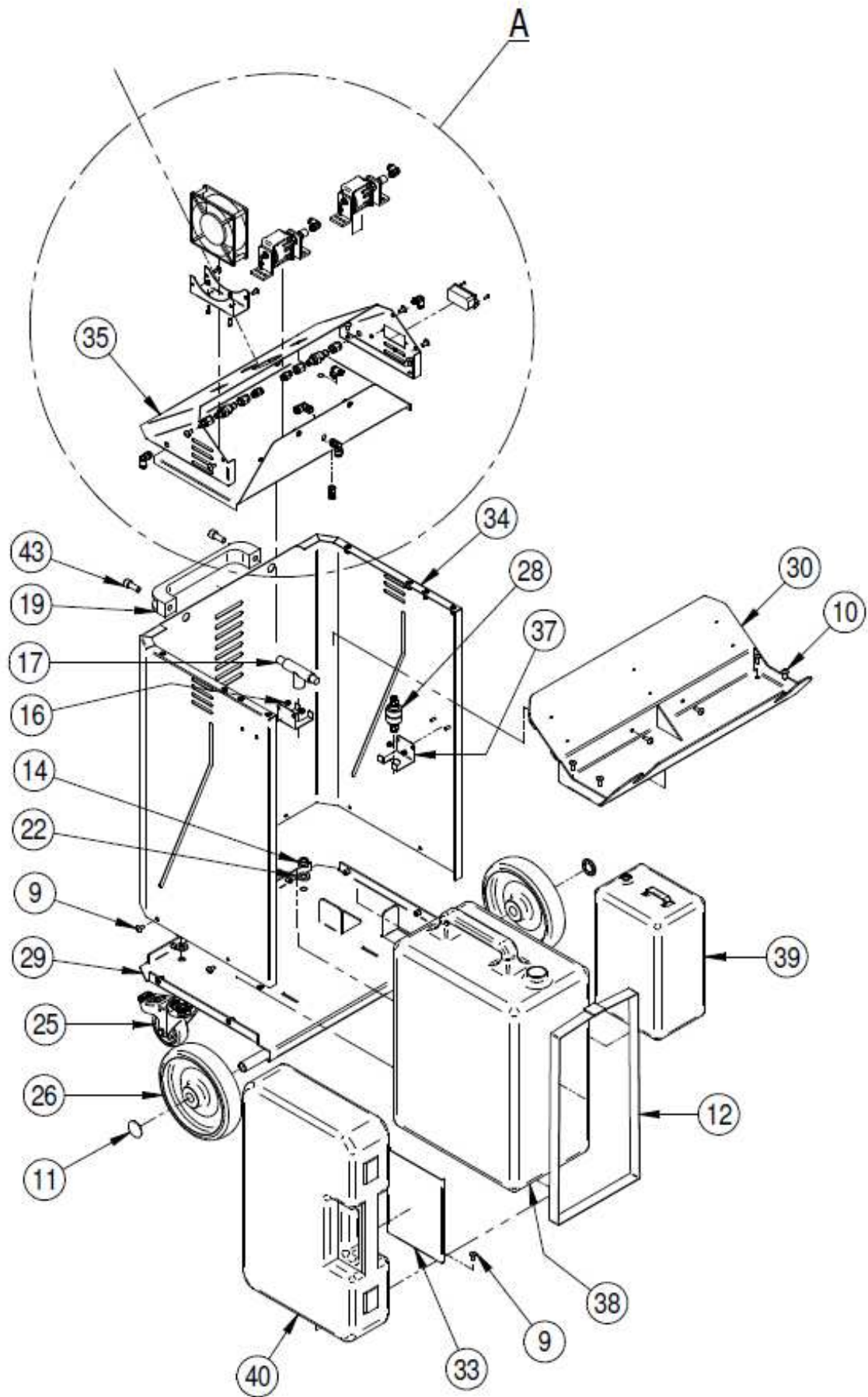
The next page shows the form to be used to order spare parts.

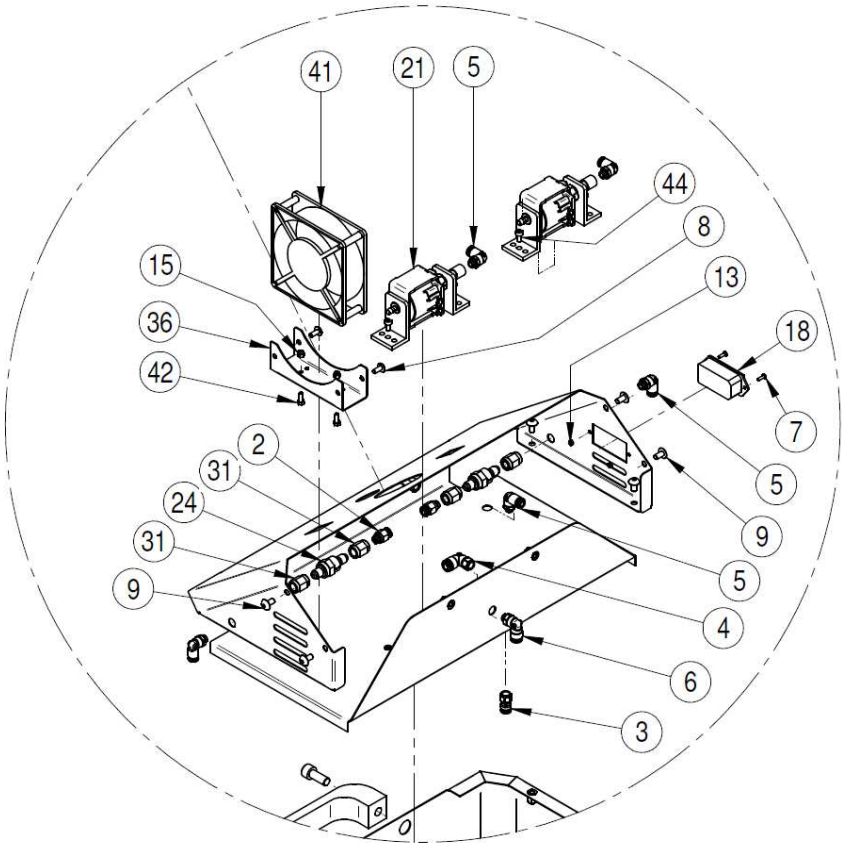
In the case of a request for spare parts or a request for a quote for spare parts, it is advisable to photocopy the form and fill it out in all its parts.

The detailed compilation is decisive to receive a prompt response from the Technical Assistance Support of the **Manufacturing company**.

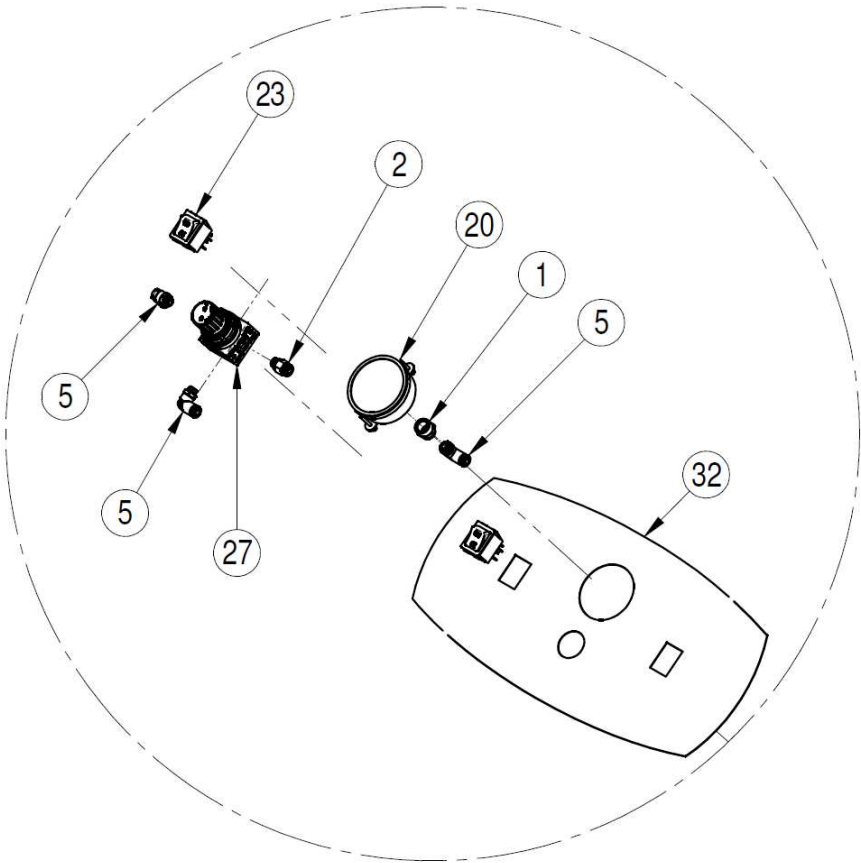
SPARE PARTS REQUEST FORM			
CUSTOMER:			
MACHINE:		SERIAL NUMBER:	
YEAR OF MANUFACTURE:			
SHIPPING ADDRESS:			
TELEPHONE:		FAX:	
DRAWING NO.	POS	CODE - DESCRIPTION	QUANTITY

9.3 SPARE PARTS LIST





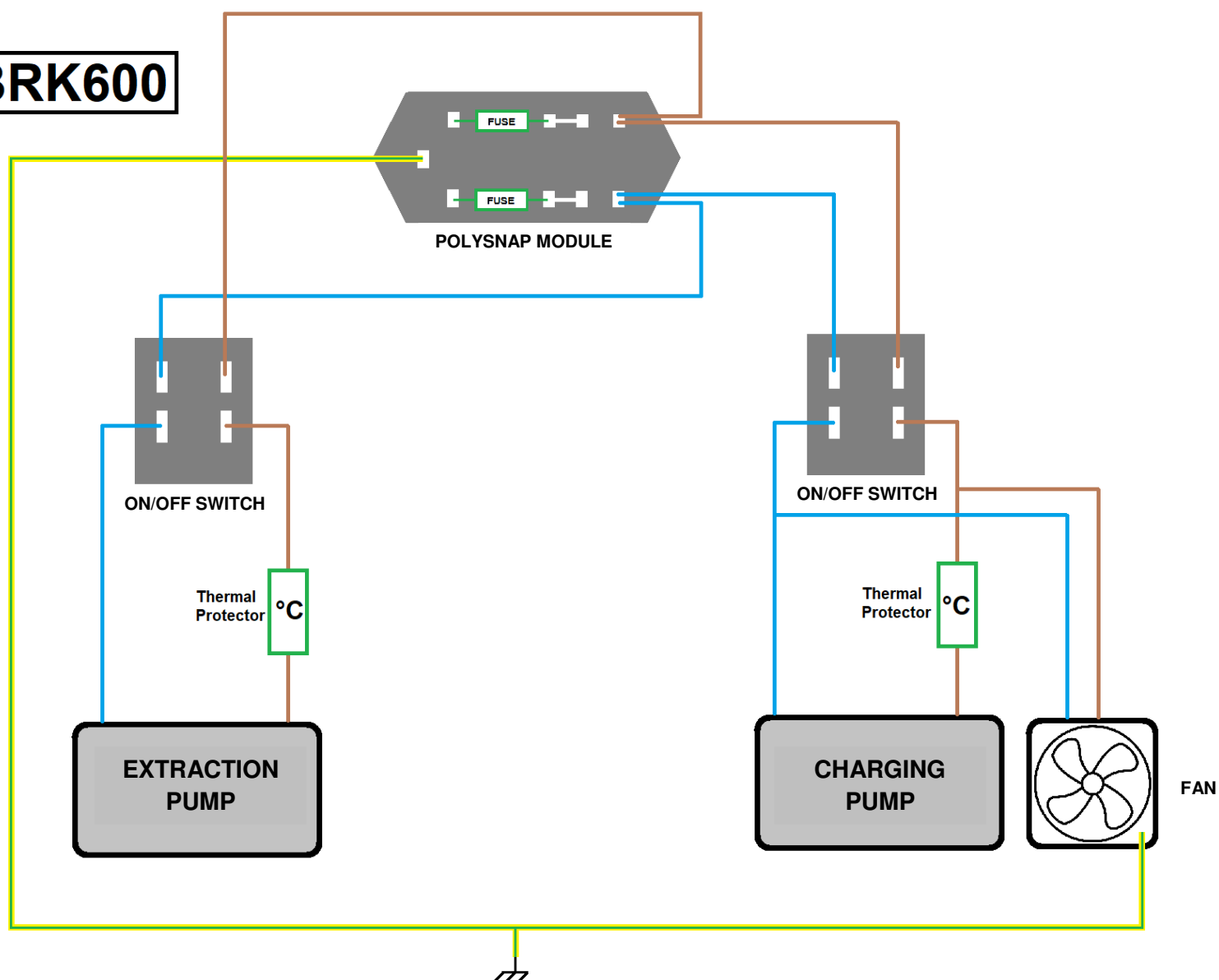
DETAIL A



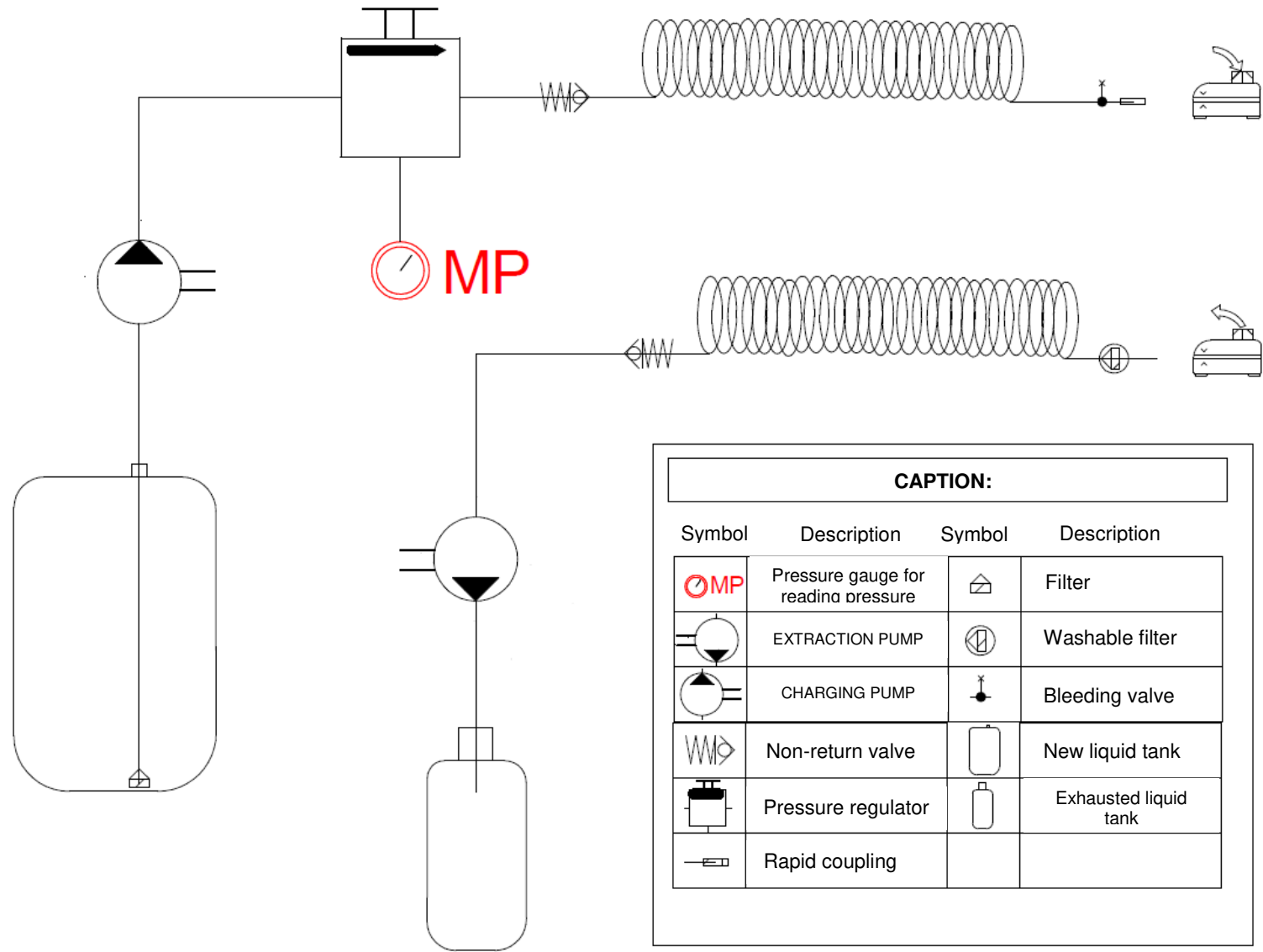
POS	CODE	DESCRIPTION	QTY
1	030100001ATNB	REDUCTION SLEEVE 1/4-1/8	1
2	5002000003	Automatic male fitting 1/8 straight Ø 6mm	3
3	5003000002	FEMALE AUTOMATIC FITTING 1/8 Ø 6mm	1
4	5010600005	Automatic female fitting 1/8 90° Ø 8mm	1
5	5011600008	Automatic male fitting 1/8 90° Ø 6mm	8
6	5011600010	Automatic male fitting 1/8 90° Ø 8mm	1
7	7380M3X10	SCREW UNI-ISO 7380 M3X10	2
8	7380M5X12	SCREW UNI-ISO 7380 M5X12	2
9	7380M6X12	SCREW UNI-ISO 7380 M6X12	15
10	7380M6X16	SCREW UNI-ISO 7380 M6X16	6
11	CAPP-20	CAP CAPP-SERIES Ø20 Øe=36 H=10.5	2
12	CINGHIA FISSAGGIO TANICA	25L TANK FASTENING STRAP	1
13	Dado_M3	NUT M3 UNI 5588	2
14	DADOM12_UNI7473	SELF-BRAKING NUT M12 IN 7473	2
15	DADOM4_UNI7473	NUT M4 UNI 7473	2
16	DADOM5_UNI7473	NUT M5 UNI 7473	4
17	INGOMBRO Y - BRK600	T-ASSEMBLED	1
18	INT-0-1-PRES	SWITCH 0/1 + PLUG	1
19	MAN-235	BLACK HANDLE	1
20	MANOMETRO__SP-MGX13	MGX13-Series Pressure Gauge	1
21	POMPA Serie 22000	PUMP with SELF-VIBRATING	2
22	RONDM12	WASHER UNI 6592 D=13X24	2
23	RR0147	INT. BIPO. LUM. - ON/OFF SWITCH	2
24	RR0221	VALVE UNID. MM 1/4 ORR060CR000	2
25	RUO-80-12-114+F	WHEEL Ø80 WITH BRAKE H=108 M12	2
26	RUOTA-DB200	WHEEL DB200 - Øe=200 SP.45 Øi=20	2
27	T020002020000	Pressure regulator (0-8 bar) T020-MINI	1
28	TA620000	ASSEMBLED FILTER	1
29	TA701052	BASE	1
30	TA735037	ROOF 'POCKET'	1
31	TA750029	SLEEVE F 1/8" GAS - F 1/4" SAE	4
32	TA750045	DASHBOARD STICKER	1
33	TA755018	DIVIDER FOR BRIEFCASE	1
34	TA758019	COVER	1
35	TA765145	UPPER DASHBOARD	1
36	TA773118	SUPPORT FAN__EX ORR0174RRHF	1
37	TA773127	SUPPORT FILTER / T	2
38	TANICA-25L	TANK 25 L	1
39	TANICA-5L	TANK 5 L	1
40	VALIGETTA-01	OPTIONAL BRIEFCASE	1
41	VENTOLA 120X120X38	FAN 220V 120X120X38	1
42	VITEUNI5737_M4X12	SCREW M4X12 IN 24016	2
43	VITEUNI5931_M10X25	SCREW M10 X 25 UNI 5931	2
44	VITEUNI5931_M5X10	SCREW M5 X 10 UNI 5931	4

10 ELECTRICAL DIAGRAM












BRK600



11 HYDRAULIC DIAGRAM



CAPTION:

Symbol	Description	Symbol	Description
	Pressure gauge for reading pressure		Filter
	EXTRACTION PUMP		Washable filter
	CHARGING PUMP		Bleeding valve
	Non-return valve		New liquid tank
	Pressure regulator		Exhausted liquid tank
	Rapid coupling		

Nome progetto	BRK600	Versione:	v 1.0
Autore:	Foca Ciobanu	Date:	25 - 11 - 20
Descrizione:	Dispositivo per lo spurgo degli impianti frenanti		
Note:			



12 SERVICE-PROGRAM

DATE :

Work carried out:

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.....

DATE :

Work carried out:

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.....

DATE :

Work carried out:

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.....

DATE :

Work carried out:

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DATE :

Work carried out:

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DATE :

Work carried out:

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**DICHIARAZIONE DI CONFORMITÀ
DECLARATION OF CONFORMITY
KONFORMITÄTSERKLÄRUNG
DÉCLARATION DE CONFORMITÉ
DECLARACIÓN DE CONFORMIDAD**



Top Auto S.r.l.

Viale dell'Artigianato 4 – 37042 Caldiero (VR) - Italy

Telephone 045/6170025 Fax 045/6152493

(Manufacturing company in which the Technical Dossier is created and stored)

DECLARES UNDER ITS OWN RESPONSIBILITY THAT THE NEW MACHINE:

BRK600	SERIAL NUMBER:	YEAR OF MANUFACTURE:

COMPLIES WITH THE FOLLOWING DIRECTIVES:

Machinery Directive 2006/42/EC
Directive 2006/95/EC and subsequent Amendments
Directive 2004/108/EC and subsequent Amendments

Colognola ai colli, lì _____


The Legal Representative
Ing. M. Focchi



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