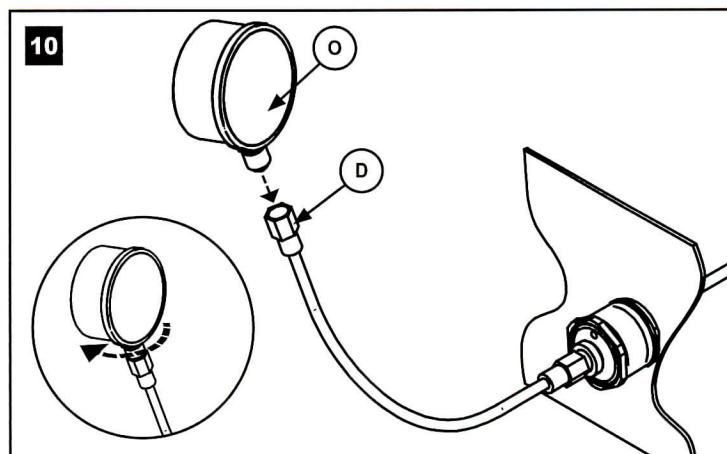
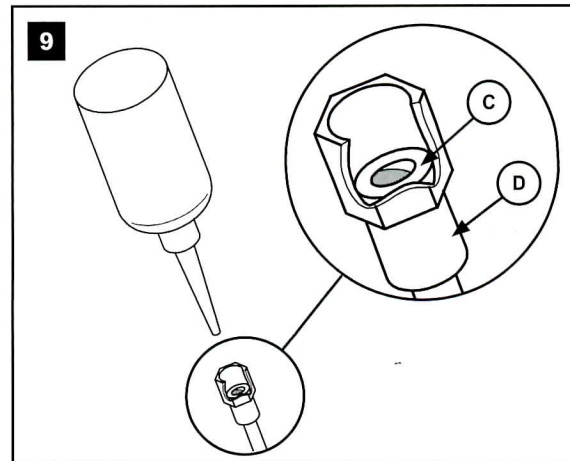
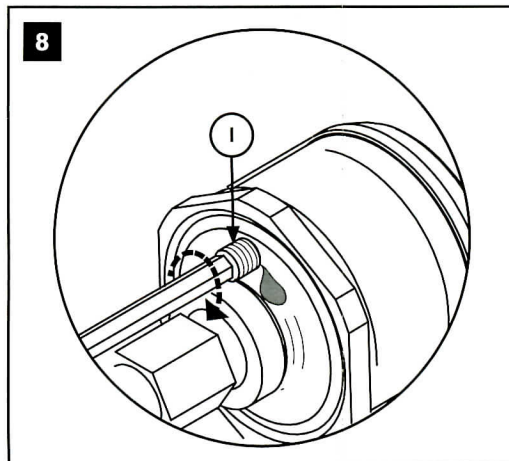
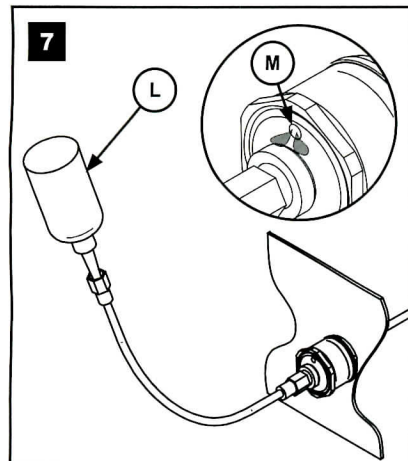
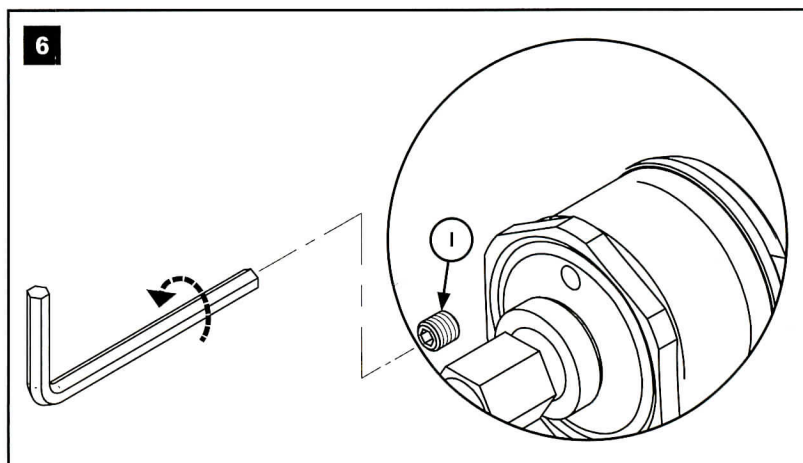
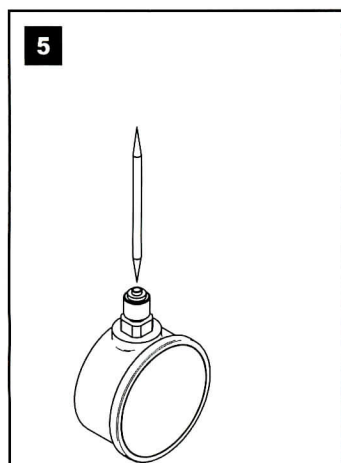
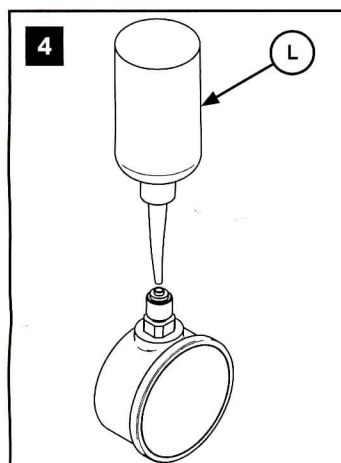
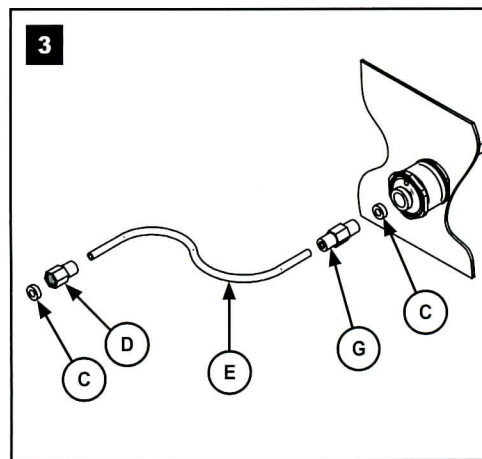
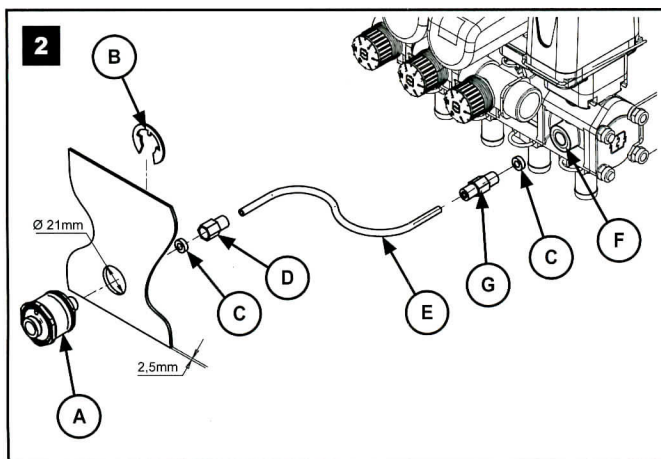
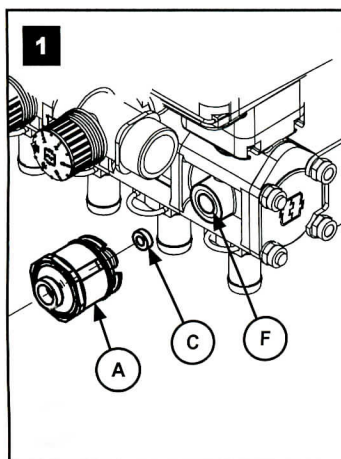




Gauge separator

Warning: do not use this article before having read the instruction manual

INTENDED USE

The gauge separator is an accessory that enables you to use an analogue gauge directly in the cab without the risk of injury caused by contact with harmful fluids in the case of break-ages in the system.

- The manufacture cannot be held responsible for any damage resulting from improper usages.
- For further information and requests for spare parts and accessories, contact the Geoline / Tecomec Customer Services.



SAFETY REQUIREMENTS

This instruction must be installed strictly following the instructions given hereafter. Never exceed the maximum pressures written on the "Technical Data" plates.

Release the pressure left in the circuit when carrying out maintenance.

Do not use the separator if there is ice.

Always use original Geoline - Tecomec spare parts and accessories

GENERAL INFORMATION AND GUARANTEE

Geoline is the spraying accessories division of . Any time that either name is mentioned, it relates nevertheless to Tecomec. The Manufacturer will not honour the guarantee nor accept any liability for damage in the following instances:

- failure to comply with the contents of the instruction manual;
- usages of separators other than those specified in the paragraph "INTENDED USE";
- uses that contravene current regulations on health and safety at work;
- incorrect installation;
- failure to carry out required maintenance;
- modifications or maintenance activities not authorised by the Manufacturer;
- the use of non-original or inappropriate spare parts;
- repairs not carried out by a specialised technician.

The manufacturer undertakes to guarantee the equipment described in this manual for a period of 12 months from the date of delivery.

The guarantee does not cover:

- parts subject to wear and tear

USAGE AND STORAGE OF THE INSTRUCTION MANUAL

Reproduction of any part of this publication without the authorisation of the manufacturer (Tecomec.) is forbidden.

The instruction manual forms an integral part of this article and must be kept in a safe place which enables it to be consulted promptly whenever needed.

This manual also becomes an integral part of the documentation of the equipment on which the separator is installed.

SYMBOLS



Indicates the high probability of personal injury, if the associated instructions and directions are not followed.

TECHNICAL DATA AND DIMENSIONS

Max operating pressure	21 bar (300 p.s.i.)
Materials	Unions: Nickel-plated brass / Nylon
	Tube 6x4mm: Rilsan
	Separator: Stainless steel 303/Viton/Anticorodal Aluminium
Compatibility of insulating fluid	Glycerine: YES
	Automatic transmission oil type II (i.e. power steering): YES
	Ethylene glycol: YES
	"Light" motor oil 5W/40: YES
	Oil for BRAKES: NO
Weight (just separator casing)	140 g

Features and technical data are for guidance. The manufacturer reserves the right to carry out any modifications to the electrovalve that it deems necessary.

STANDARD SUPPLY

The separator is supplied ready for installation. The standard supply differs based on the type chosen.

P/N 8392064	SEPARATOR G1/4-G1/4	No. 1 Separator No. 1 Owner's handbook No. 2 Separator gaskets
P/N 8392065	SEPARATOR 1/4-1/4 NPT	
P/N 8392066	SEPARATOR G1/8-G1/8	
P/N 8392067	SEPARATOR 1/8-1/8 NPT	
P/N 8392068	SEPARATOR KIT 8392064 1/4 GAS	No. 1 Separator No. 1 Owner's handbook No. 1 Rilsan tube 6x4 L=5m No. 2 Separator gaskets No. 2 Unions with male thread No. 2 Unions with female thread No. 1 Small fluid filling bottle
P/N 8392069	SEPARATOR KIT 8392065 1/4 NPT	
P/N 8392070	SEPARATOR KIT 8392066 1/8 GAS	
P/N 8392071	SEPARATOR KIT 8392067 1/8 NPT	

Make sure the separator is complete and intact.

INSTALLATION

There are two ways of installing the gauge separator:

1. INSTALL IT ON THE CONTROL UNIT

2. INSTALL IT AT A DISTANCE

The gauge separator can be installed directly on the control unit or at a distance.

INSTALLATION ON THE CONTROL UNIT FIG.1

- Manually screw the separator **A** into the pre-arranged hole **F**, putting the sealing gasket **C** in-between (in alternative, use Teflon® tape).

INSTALLATION AT A DISTANCE FIG.2

- Pre-arrange a 2.5-mm thick sheet plate with a hole Ø 21 mm on the machine.
- Secure the separator **A** to the sheet plate using the ring **B** (supplied)
- Screw the union **D** (with female thread) onto the male thread of the separator **A**, putting the sealing gasket **C** in-between (in alternative, use Teflon® tape).
- Screw the union **G** (with male thread) into the pre-arranged hole **F**, putting the sealing gasket **C** in-between (in alternative, use Teflon® tape).
- Connect the ends of the unions **G-D** to the tube (in Rilsan®) **E**.

INSTALLING THE GAUGE

FITTING THE TUBE FIG.3

- Screw the union **G** (with male thread) into the separator, putting the sealing gasket **C** in-between (in alternative, use Teflon® tape).
- Connect the union **G** to the tube **E**.
- Connect the union **D** (with female thread) to the end of the tube **E**.
- Fit the gasket **C** inside the union **D**.

FILLING THE GAUGE

- Pump the fluid into the gauge, using the small bottle **L** (Fig.4)
- Eliminate the air bubbles using a rod (i.e. toothpick) (Fig.5)
- When the fluid reaches the head, the job is complete. The fluid should not leak out even if the gauge is turned upside down.

FILLING THE TUBE

- Unscrew the grub screw **I** on the separator using a 2.5 mm Allen key (fig. 6)
- Fill the tube using the small bottle **L** until the fluid comes out of the hole **M** (Fig. 7).
- Turn the grub screw **I** by ½ a turn and continue pumping the fluid with the small bottle **L** (Fig. 8).
- Make sure a few drops of fluid come out of the grub screw **I**, then screw the grub screw tight.
- Make sure the level of fluid reaches the gasket **C**, inside the union **D** (Fig. 9).

FITTING THE GAUGE

To fit the gauge at a distance:

- Manually screw the gauge **O** onto the union **D** (Fig. 10).
- If the gauge indicates an excessive pressure, loosen the grub screw **I** until the indicator of the gauge moves back to a value near to "0". Once this is achieved, tighten the grub screw **I**.

To fit the gauge directly on the control unit:

- Manually screw the gauge onto the separator casing.

OPERATING, STOPPING AND LAYING UP

Please refer to the instructions for the equipment on which the separator has been installed.

DISMANTLING AND DISPOSAL

Dismantling of the separator must be carried out only by qualified personnel and in compliance with legislation in force in the country in which it has been installed.

PROBLEMS, CAUSES AND REMEDIES

- In the event that it is not possible to restore the correct operation of the separator following the instructions contained in the table below, consult a specialised technician

Problem	Probable cause	Remedy
The gauge does not indicate any pressure	Fluid leak	Fill with fluid, following the procedure
	Gauge defective	Replace the gauge
The gauge does not move back to zero	Pressure left in connection tube	Release the pressure by unscrewing the dedicated grub screw
The pressure indicated is lower than the real pressure	Air left in connection tube	Release the air by unscrewing the dedicated grub screw and fill with fluid again following the procedure.