

# Maintenance manual of the LPG sequential regulator

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Maintenance is to be carried out every 40.000 kms.

The jobs described herein are to be carried out strictly with the regulator out of the vehicle.

For any information concerning the jobs described herein please contact 0039 051 6322429 or write to [info@tartariniauto.it](mailto:info@tartariniauto.it)



## **Tartarini Auto S.p.a**

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fig.1

Remove the screws that secure the cover.



**WARNING:**

While unscrewing the six screws, hold the cover down with one hand to prevent it from springing off..



fig.2

Take the cover off.



fig.3

Remove the spring.



fig.4

Take the diaphragm out of the regulator casing.

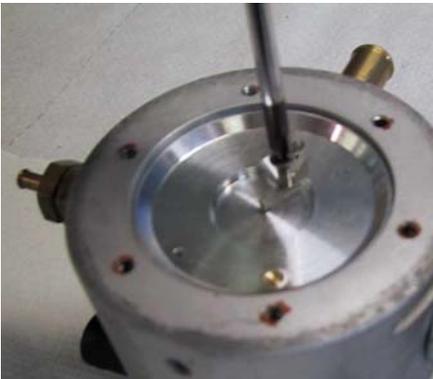


fig.5

Unscrew the screw that holds the plate in place.



**WARNING:** The screw may have some thread-locking adhesive in it, which could sometimes make it difficult to unscrew.



fig.6

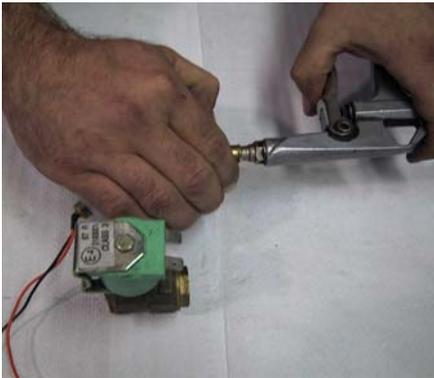


fig.7



**WARNING:**

Protect yourself with your hand in case the plate is projected outwards.



fig.8

This is the plate, after having taken it out of its seat.



fig.9

Unscrew the safety valve and replace it with a new one.



fig.10

Turn the regulator over

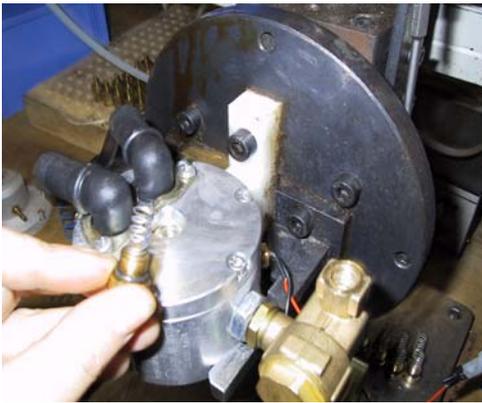


fig.11

Unscrew the bottom cap.

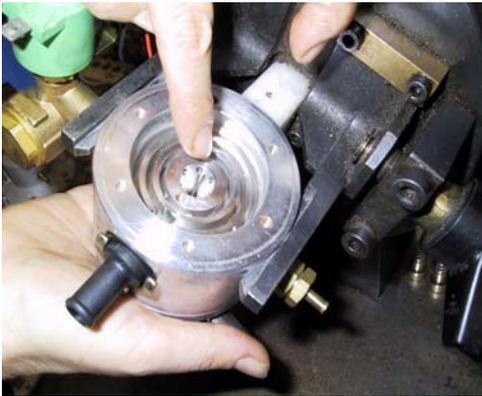


fig.12

Take the plunger out by slightly pressing down from the top.



fig.13

Remove the water fittings and replace them with **new** ones.



fig.14

Insert the **new** plunger, putting it in from bottom to top, ensuring the stem is correctly inserted in the GAS expansion chamber.

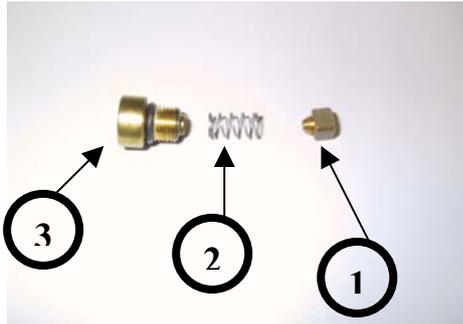


fig.15

1- Insert the **new** plunger stopper  
2- Insert the **new** spring  
3- Replace the old O-ring of the cap with the **new** O-ring.  
Tighten the cap in place and turn the regulator back over.

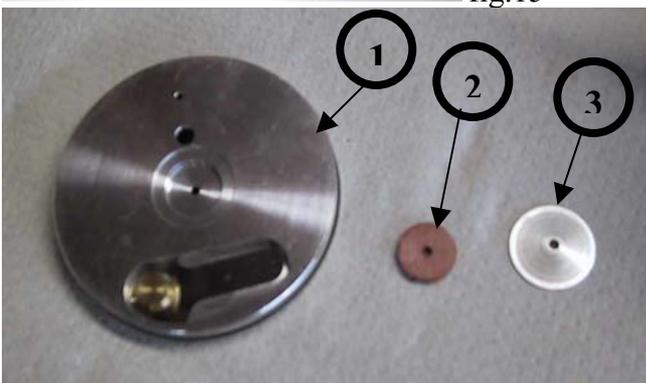


fig.16

This picture illustrates the plate  
1- Plate with **new** compensator valve.  
2- The **new** seal ring  
3- The **new** disk

If you already have this type of plate just replace the seal ring.



fig.17

First insert the disk and then the seal ring.



fig.18

Insert the plate, making sure the hole of the securing screw matches up with the relative threading in the casing.



fig.19

Slightly press down to push the plate into its seat properly.

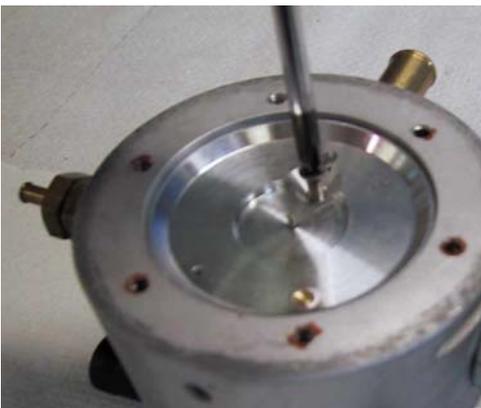


fig.20

Secure the plate using the **new** securing screw.

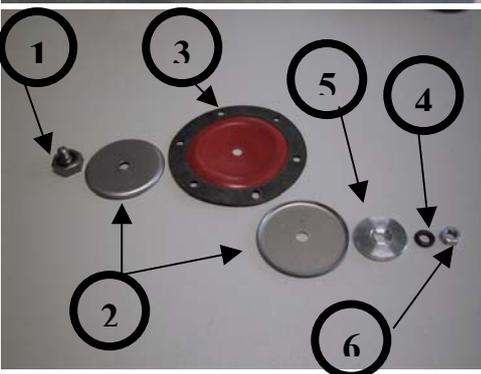


fig.21

Replace the old diaphragm with the **new** one in the following manner:

- 1- Nut with o-ring.
- 2- Plates
- 3- Diaphragm
- 4- O-ring of disk n° 5.
- 5- Disk
- 6- Nut



fig.22

Put the **new** diaphragm in position.



fig.23

Put the adjustment spring in position.



fig.24

Press the cover onto the diaphragm to be able to tighten the securing screws.

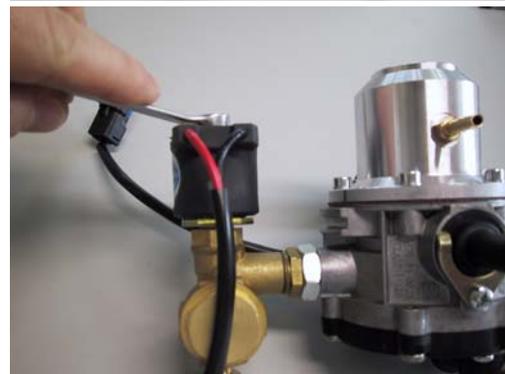


fig.25

Servicing the Solenoid valve:  
Unscrew the screw that secures the coil.  
Remove the coil.



fig.26

Unscrew the sleeve that carries the small piston.



fig.27

Replace the small piston with a **new** one.  
Tighten the sleeve again.  
Secure the coil.



fig.28

Unscrew the cap of the filter.



fig.29

Replace the filter with a **new** one.  
Tighten the cap again.



fig.30

Maintenance is complete.

At this stage the regulator is ready to be installed in the vehicle.

As soon as you switch the vehicle over to run on LPG, thoroughly check for any GAS leaks or anomalies in the vehicle running conditions.

If you have encountered any difficulties in assembling the regulator, please immediately contact the Service Centre of Tartarini Auto S.p.A.

Time schedules:

Vehicle disassembly/Assembly	30 min.
Maintenance from fig.1 to fig.12	12 min.
Maintenance from fig.13 to fig.30	18 min.