



Maintenance guide for Injectors Rail Tartarini Auto Sequential Injection systems

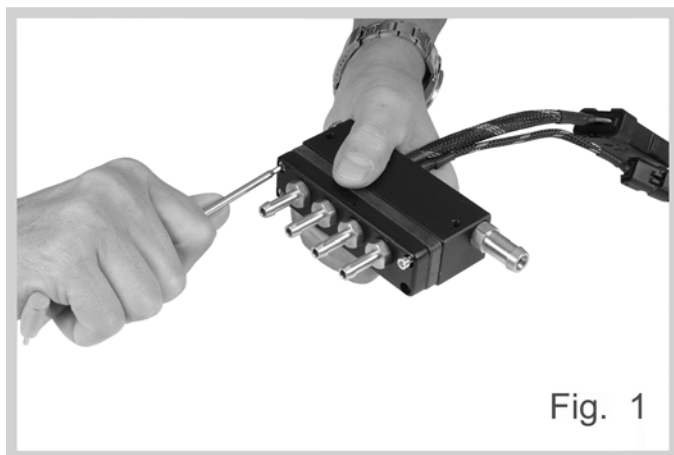
The Injectors Rail is high-tech device built with high precision components and in normal conditions/use does not need any maintenance. Nevertheless particular working conditions (like dirty or contaminated fuel, dirty filter or even absence of a filter) may require some maintenance, made by trained personnel. We underline in particular the importance of a very clean working station, in order to avoid small parts to enter the Rail (this may cause defects).

It is highly forbidden to use chemical products or solvent to clean the internal parts of the Rail.

Tools: 2,5mm allen wrench – 5mm allen wrench – 13mm hexagon wrench – small tweezers or a small screw driver.

To clean: absorbent paper, small brush

Other tools: air compressor



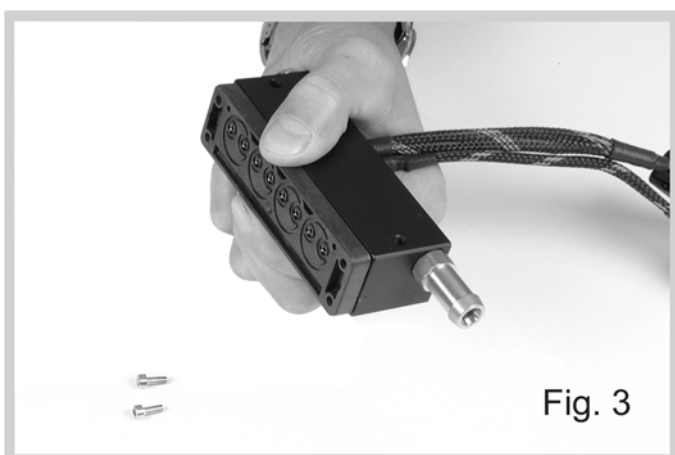
Remove the front panel by unscrewing the 4 2,5mm screws.

Clean the front intake part, by making sure the rubber supports are dust-free.

Remove the 4 o-rings by mean of a small tweezers.



Remove the 2 fixing screws of the support with a 2,5mm allen wrench by keeping the support firmly attached to the rail.



Put the rail upside down by keeping the support still and put it on the working board avoiding the internal components to go out (pictures 3 and 4)





Fig. 5

Remove the Rail and remove the plug with a 5mm allen wrench or the intake pressure plug with a 13mm hexagon wrench.

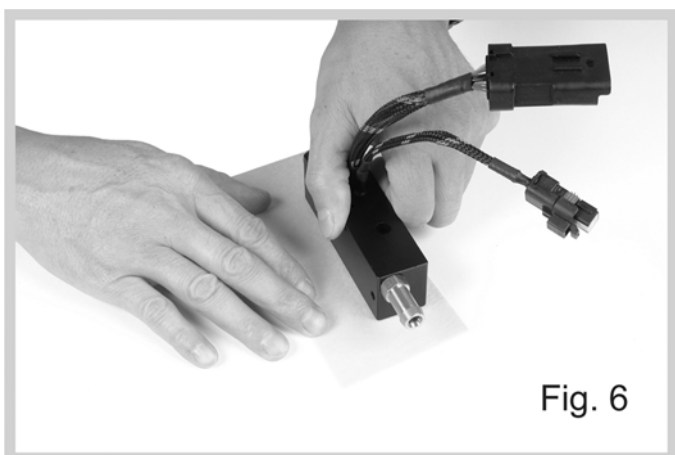


Fig. 6

Clean the internal part of the rail by removing oil drops or dust or small parts with compressed air.

Clean all the parts with absorbent paper and compressed air only.

Reposition the plug and pressure intake carefully.



Fig. 7

Remove the support by mean of a small tweezers or a small screwdriver, operating very carefully to avoid to bend or to damage the support itself (pictures 7-8)



Fig. 8

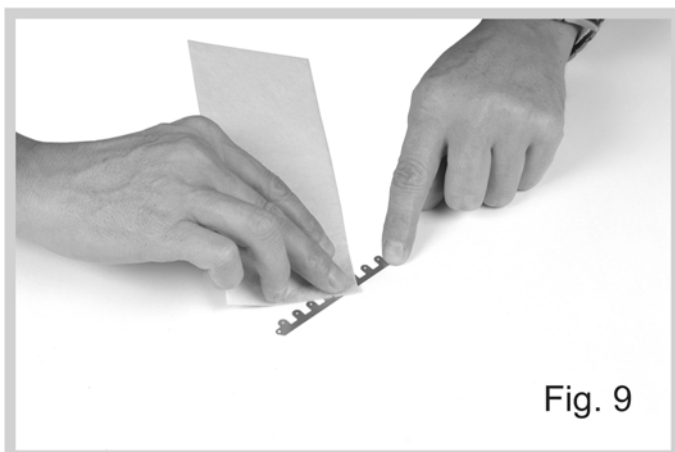


Fig. 9

Clean with absorbent paper.

Once again pay attention not to bend or damage the support.



Fig.10

Remove the small anchors by mean of tweezers and lay them onto a board by respecting the original sequence (pic. 10-11)



Fig.11

Clean the anchors with absorbent paper.

Check that the rubber surfaces are not contaminated with dirt or dust.



Fig.12

Remove the external sealing, the linear o-ring and the metal sheet with tweezers or small screwdriver.



Carefully clean the support with a brush and compressed air. Verify that the output hoses are not obstructed.

Do not touch with metal parts the hoses.



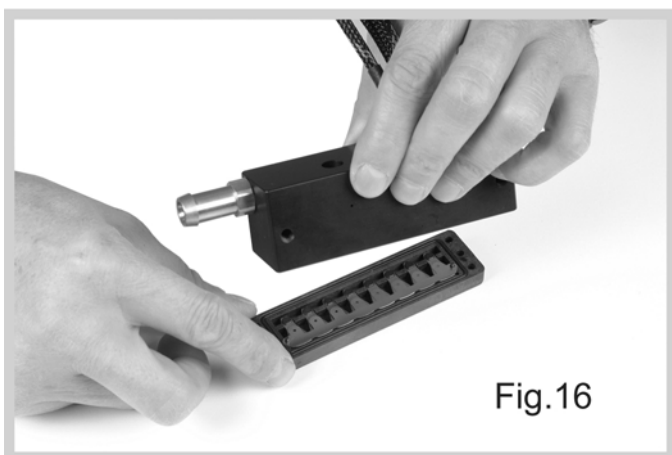
Re-position carefully the sealing, the sheet and the liner washer.

Re-position the anchors in the original sequence with the narrow part positioned upward.

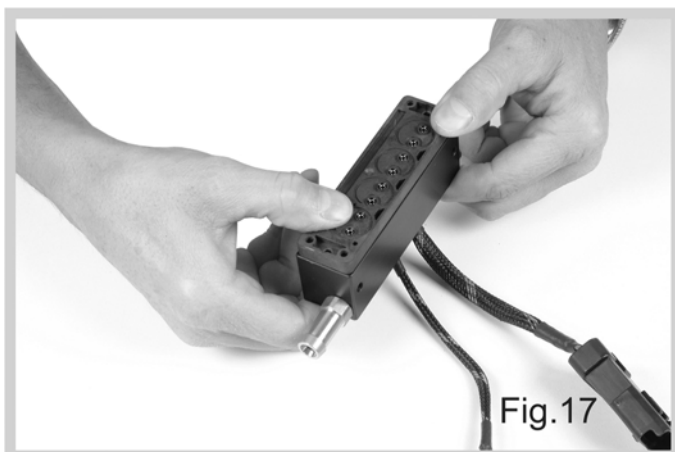
Make sure all the anchors are correctly assembled.



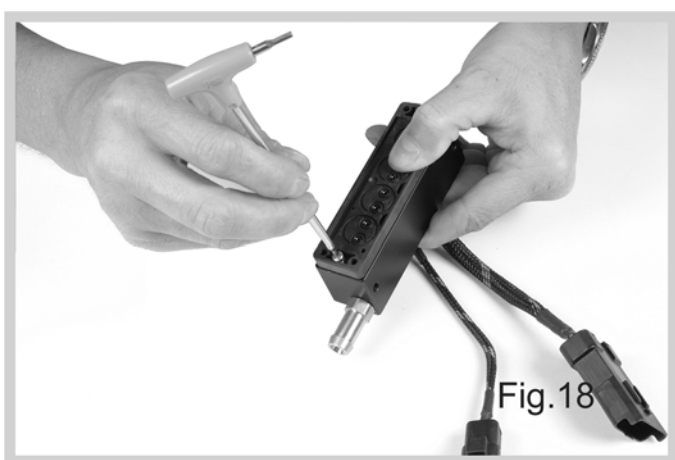
Re-position the metal support without bending or damaging the components.



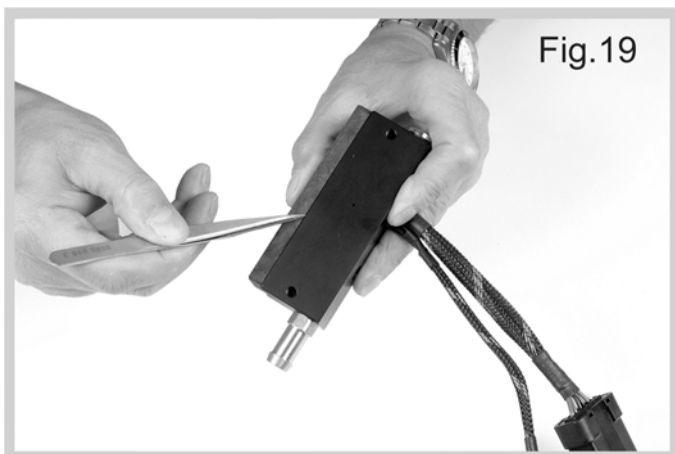
Position the rail onto the anchors, by taking the 2 lateral pins as reference.



Keep that Rail and Anchors well tight and turn up side down of 180°.



Fix them together by mean of the 2 screws without tightening it too much.



Make sure the two surfaces perfectly collide.

Should this not be the case, the rail is wrongly assembled.

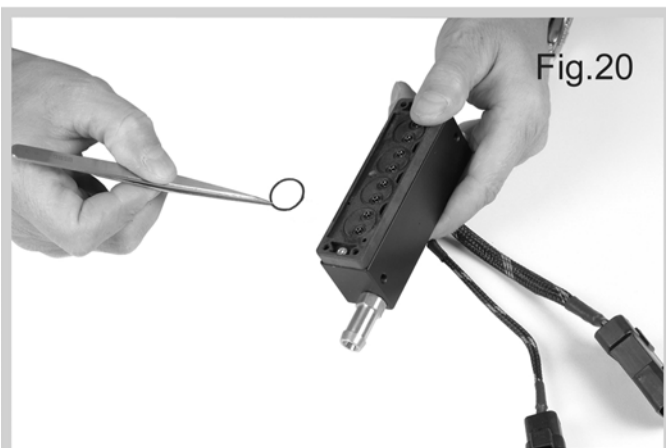


Fig. 20

Reposition on the anchor-support the 4 o-rings, by checking at the same time that the housings are not dirty.



Fig. 21

Reposition the front panel so that the rubber part match to the fixing of the nozzles and anchor support.

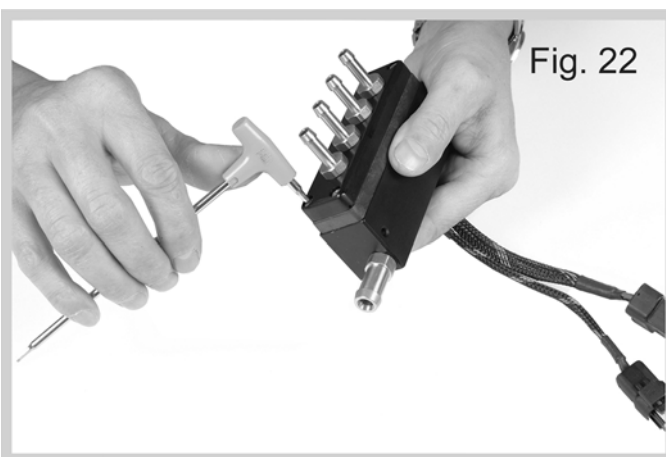


Fig. 22

Fix the panel and lock the screws with a 12kg cm force.

Note: before installing the Rail back to the Sequential System, please check that there is no leakage by letting some compressed air (4-6 bar) go through the rail, thus paying attention that all components have been re-assembled correctly.