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Replacing a damaged riser tube

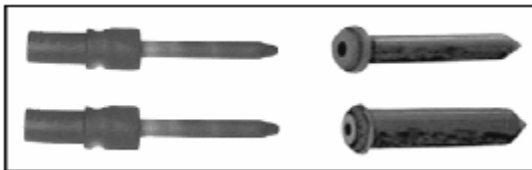
In the event of a riser getting damaged and leaking, one of the advantages of Heliocol collectors is the ease with which the leaking riser can be removed, the leak repaired, and a replacement riser attached to maintain the uniform appearance of the panel.

A damaged riser is replaced using a Heliocol riser repair kit (consisting of two rubber sleeves and two plastic plugs), and the broken riser itself.



Note: Water does not run through the replacement riser. The purpose of the replacement is only to maintain the uniform appearance of the panel.

Figure B1: Heliocol riser repair plug (left) and sleeve (right)



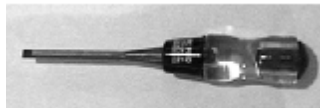
Cat. No.1202910 for panel **with** header ribs

Cat. No.1203910 for panel **without** header ribs

Figure B2: Heliocol riser repair tools:



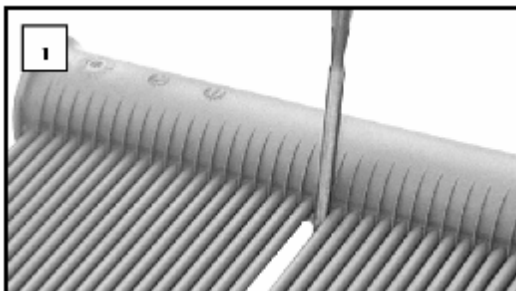
Specific Heliocol repair handle
Cat. No. 1202880



7 mm Chisel

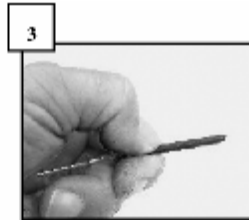
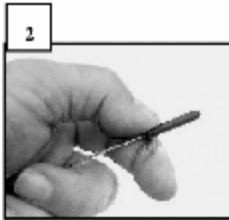


Important: Do not use a chisel more than 7mm wide, as you might damage the adjacent risers as you remove the broken riser.



1 Using a 7 mm chisel, and holding the flat side of the chisel towards the header, cut through the damaged riser, flush against the header. A round hole is created in the manifold header.

Repeat at other end of riser and save the removed riser for use in the repair.

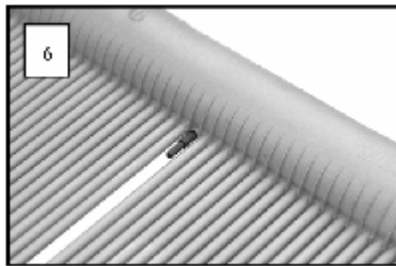


2 Spray the rubber sleeve with silicon spray and pull it over the small metal pin of the Heliocol repair handle.

3 Stretch and relax the rubber sleeve couple of times over the metal pin.



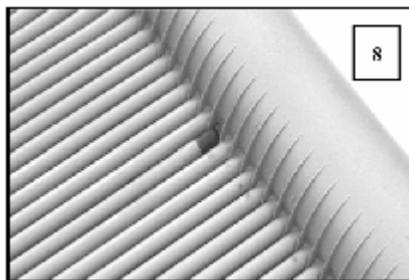
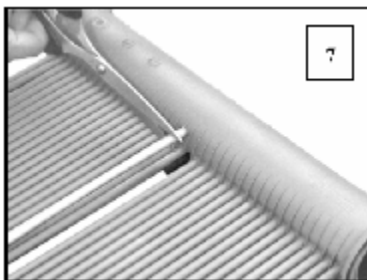
4 Using the repair handle gently push the rubber sleeve into one of the holes created by the removal of the riser, until only the head is showing.



5 Push a plastic repair plug all the way down into the repair sleeve. You may use the rear part of the handle to push it firmly into the sleeve.

6 The hole is plugged and will not leak.

Repeat steps 4 and 5 for the hole in the header at the other end of the panel.



7 Cut the removed riser so it fits exactly between the broad heads of the plastic pins.

8 Fit the riser onto the stubs of the two repair plugs.

The panel is now leak free while its uniform appearance is restored.