

Greasing the molecular drag pump MDP 5011/5006 HDS



The frequencies of preventive maintenance are listed in D 10.

Components:

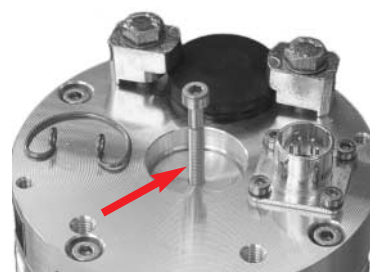
Grease syringe.  **F section «Pumping»**

Note:

- For this operation, it is not necessary to disassemble the MDP 5011 pump from the ASM 182 TD+. Access to the bearings is provided at the valve block.
- It is necessary to disassemble the MDP 5006 HDS pump from the ASM 192 T2D+.

Accessing the bearings

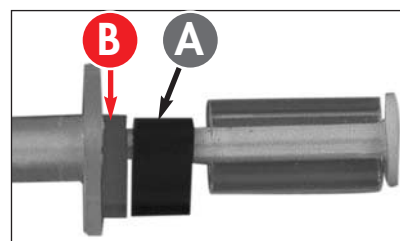
Remove the clips and use the extractor to take out the plug. Once the extractor is in place, pull it vertically.



Using the grease syringe

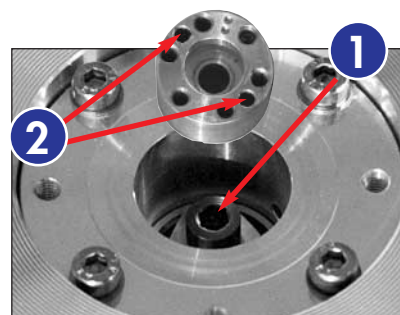
The grease syringe is equipped with a black clip **(A)** and a red clip **(B)**.

These clips are used as stops to control the amount of grease injected into the bearing.



Greasing the front bearing

Remove black clip **(A)**
Push the grease syringe in through the screw hole **(1)** until it comes up against a stop. Inject grease pushing in the plunger until it stops at clip **B**.



Greasing the rear bearing

Remove the red clip **B** and distribute the grease between the injection points (smooth holes directly opposite each other: 2).

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Running in the pump after relubrication

After relubricating the MDP 5011/5006 HDS, the grease must be distributed in the bearings ("Running in").

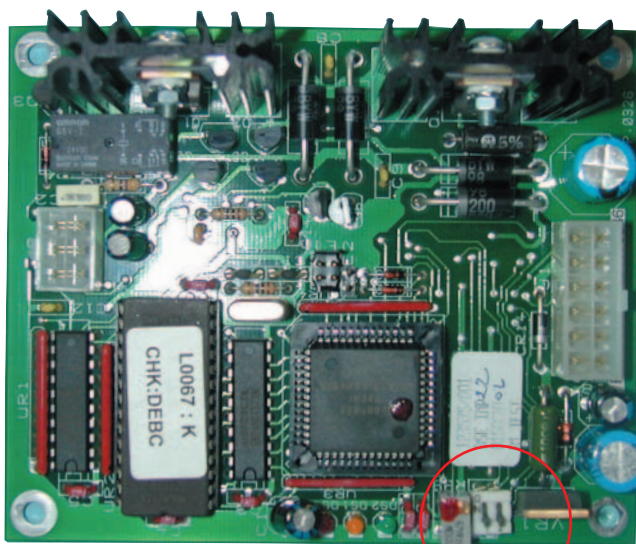
This is performed by limiting the speed of the pump for a short period.

For this, on the P0326 converter board, set the running in switches; switch 1 to ON (detector off).

Start up the detector and let it operate for approximately 10 minutes in this position.

After 10 minutes, **switch off the detector** and reset switch 1 to OFF.

Start the detector up again and check that the MDP 5011/5006 HDS reaches its synchronization speed correctly. If this time is too long, repeat the running in procedure a second time.



P0326 board

