LPKF
Laser & Electronics

If a toolbarplate is damaged it´s necessary to exchange both of them.
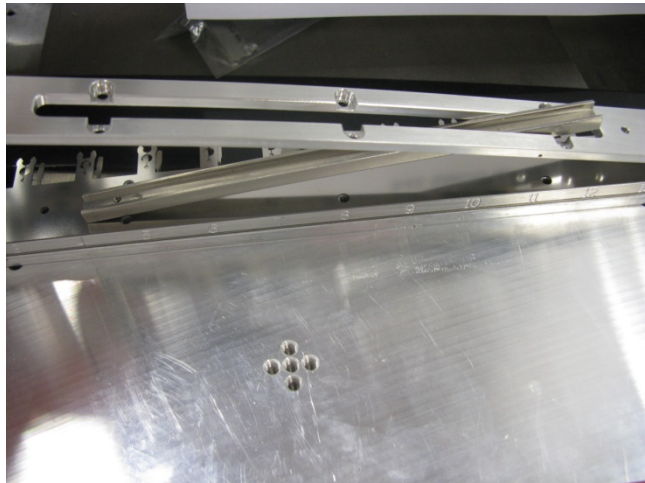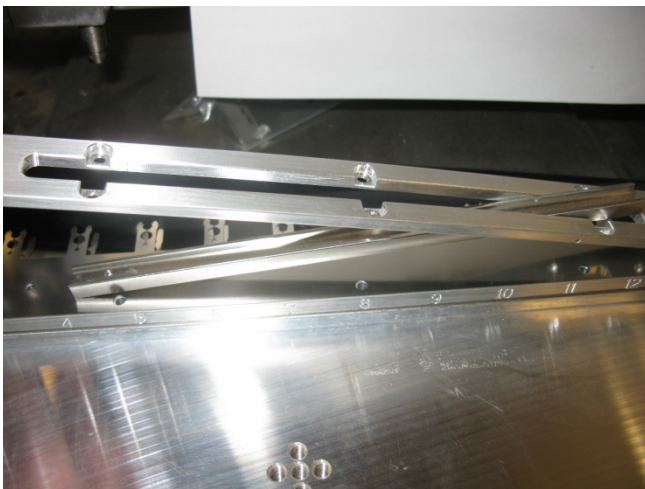
Needed tool:

Torx TX 15

Prearrangement:

There are two importat things about the plates. The lower plate is longer than the upper one. Also there are two holes for the navigation. The hole has to be on the left cylinder bolt and the long hole on the right side.
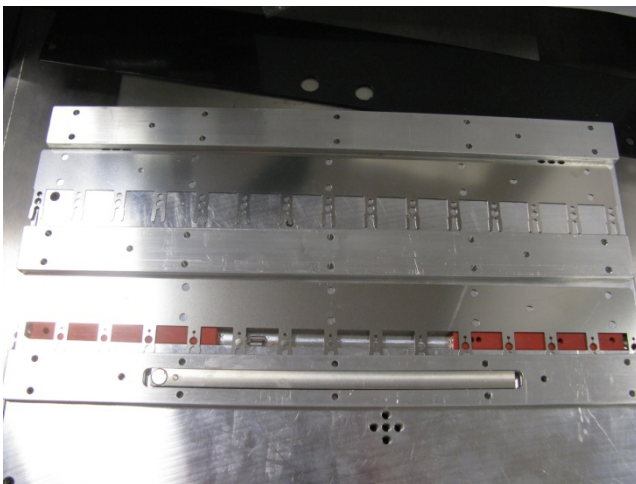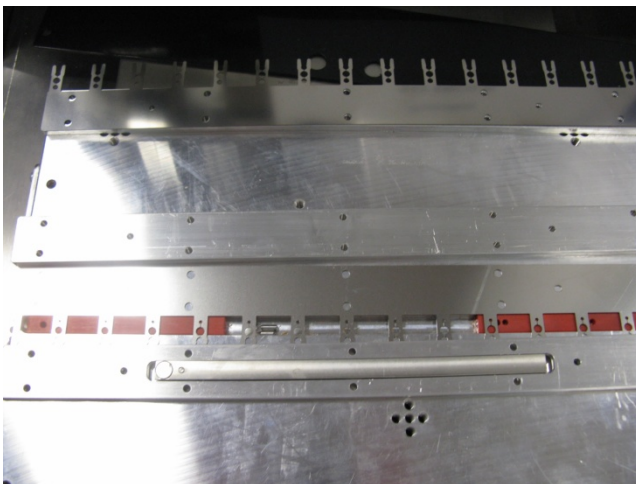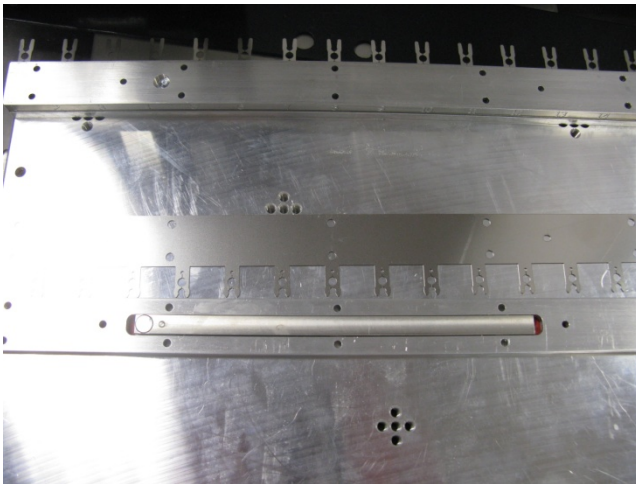
Procedure:

Move the mashine to the pause position

Lose the 10 screws of the toolbar

Remove the toolbar parts like on the pitures

LPKF-Intern

Exchange the plates and mount everything back like bevore

Fix the 10 screws

Teach the toolholder positions

At first you have to switch the userlevel

Go to Extras -> Options there switch the userlevel to Service, the Password is LPKF

Leave this button with OK

Open the Servicedialog.

Go to Machining -> Service -> Set Up Machine Dialog

Choose Seep 5: Teach Tool Holder Positions, The Machine moves near to the fist holden and focus it

Move the Camera in the middle of the small hole from the first holder.

Click Set Current Camera Positions As Position Of First Holder

Move the Camera in the middle of the small hole from the last holder

Click Set Current Camera Positions As Position Of Last Holder

The Machine read in the toolholder positions

When it´s done leave the dialog with save and close

Check the toolholder positions

Choose Step 6: Check Tool Holder Positions

At first start the Quick Check.

The Machine moves on every position and goes down and up with the head.

Please check if the tool is not pushed to the left or right side into the toolclamp and the head is moving down without any antagonism

If there are any problems please repeat the step Teach the toolholder positions

Next step is to choose Execute.

The Machine takes every tool to check if the toolexchange is working fine.

Write Parameters into the machine

After the teaching the positions has to be stored into the machine.

For the choose Setp 14: Write To Machine

After this leave the Protomat Machine Setup with X and switch

Change back the userlevel to advanced user

The Teaching is done.