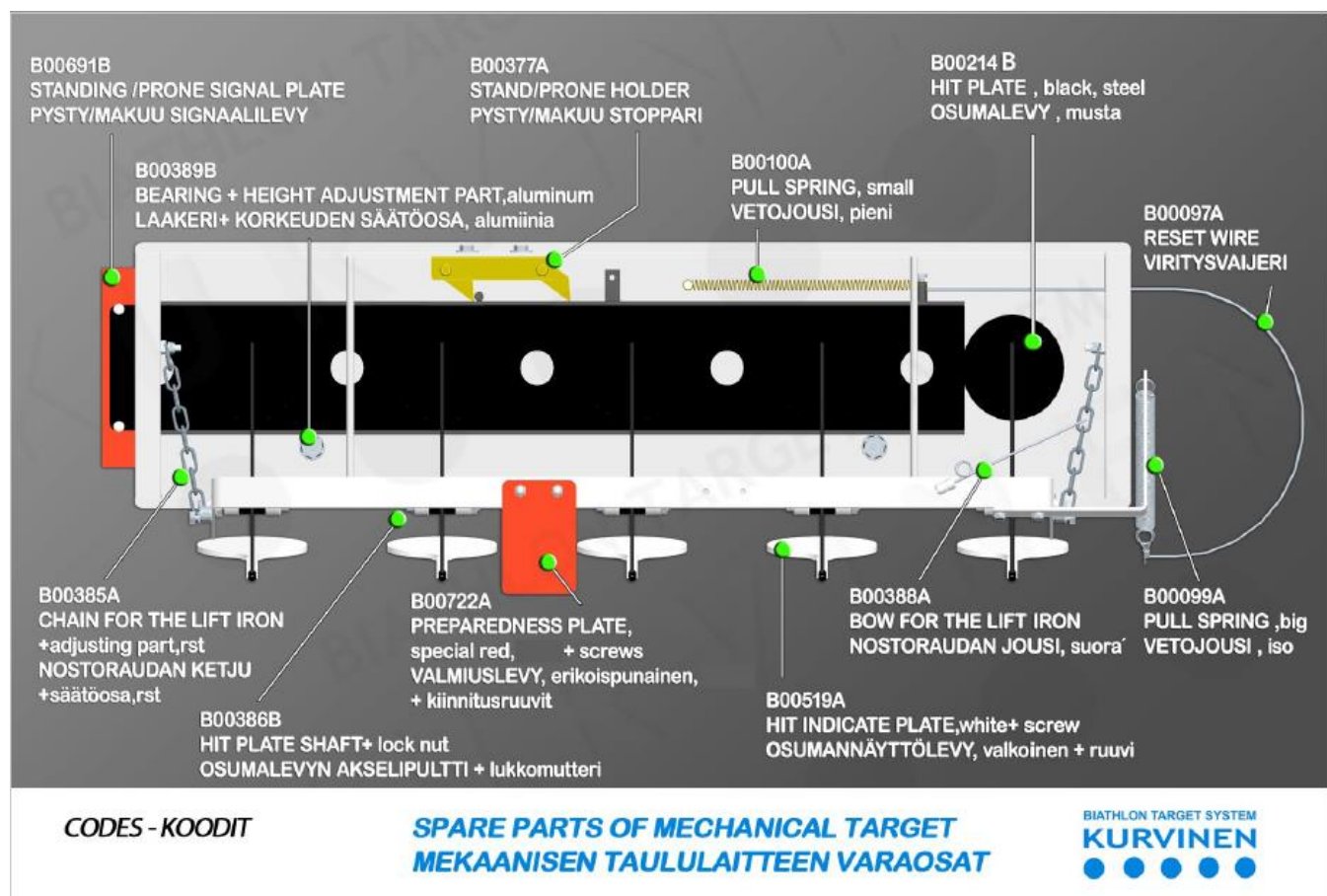


MAINTENANCE INSTRUCTIONS



Spare parts with codes

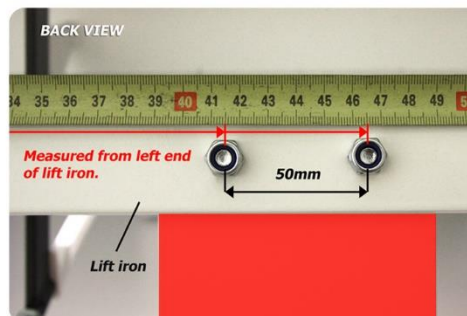


Installing red preparedness plates

Installing red preparedness plate to new target.



Replacing the old type preparedness plate by the NEW plate.
Spare part code for preparedness plate B00722A



2. If there is no holes in the lift iron (older target), drill 2 x 9mm holes.



Installing white flaps



Mechanical target disassembly for maintenance

Open prone / standing stopper holder screws and remove stopper.



Mechanical target disassembly for maintenance

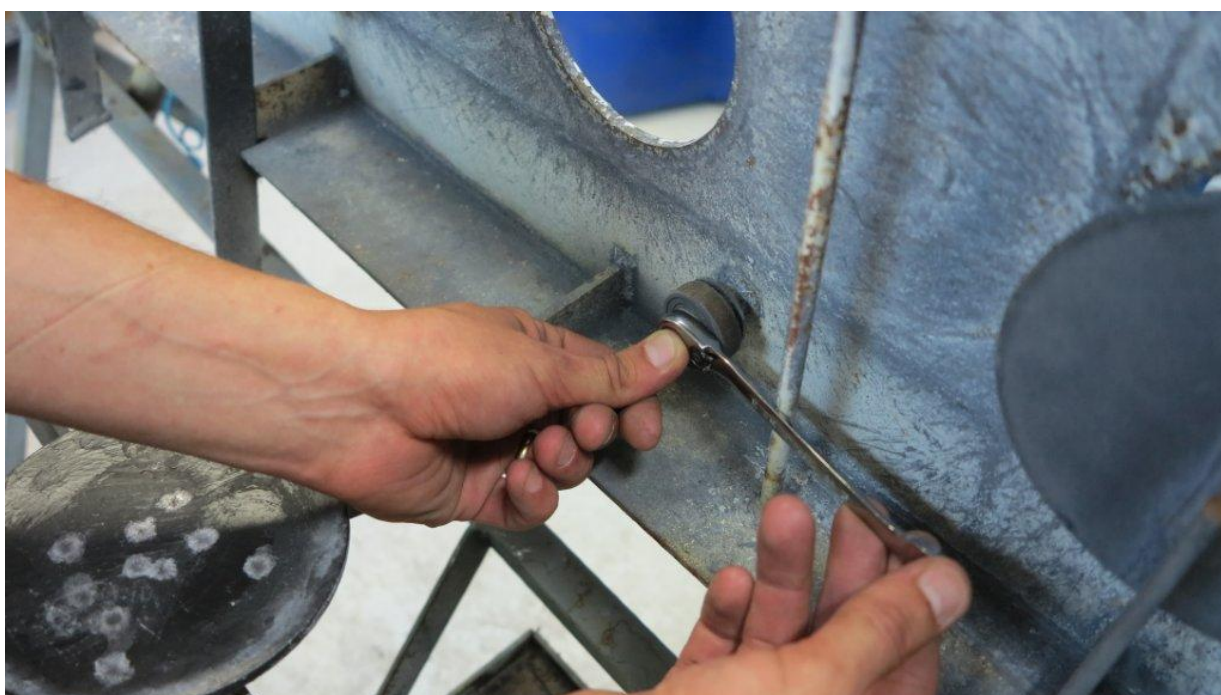
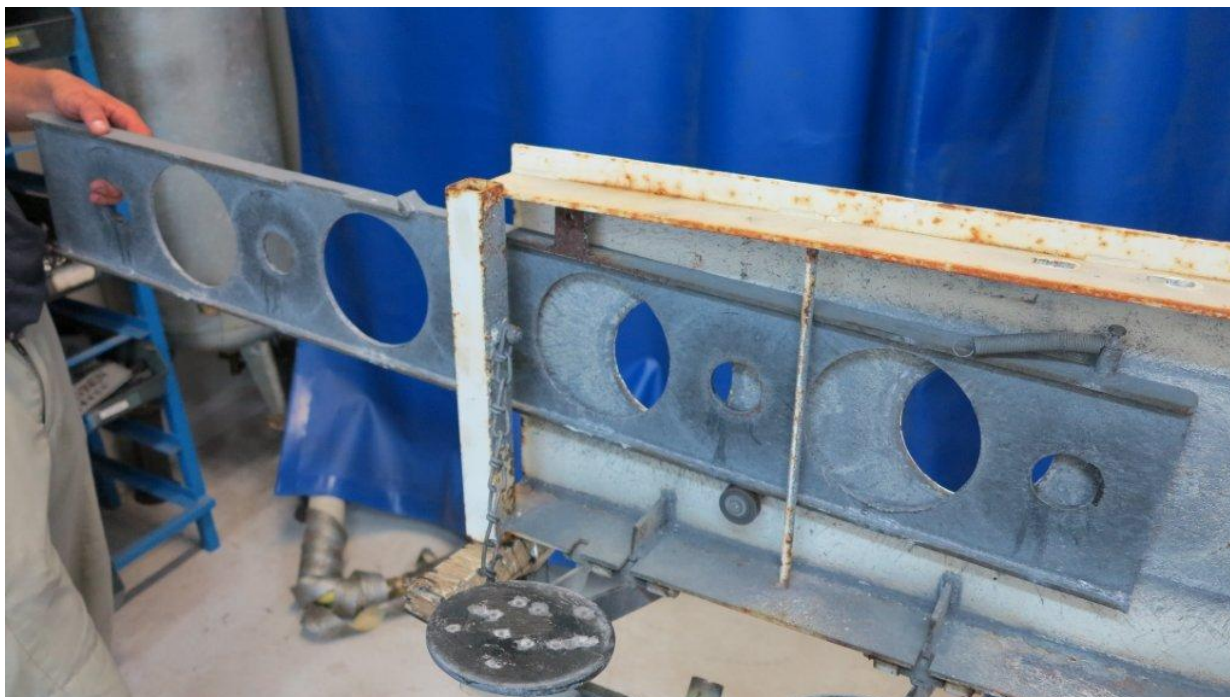
Remove spring and cable.





Mechanical target disassembly for maintenance

Remove prone / standing plate and remove old bearings.



Target frame and checking steel hit plates

Use the caliber for checking distance from target frame to hit plates. Distance has to be between 32-35mm when measured as shown in picture. If distance is not correct go to next step. (Target frame correction)



Target frame and hit plate position correction

Check hit plate weldings. If you find any breaking in weldings you should replace part with new replacement part. Note fixing the hit plate with welding usually cause problem with balance of hit plates or malfunction.



New hit plate. Spare part code B00214B

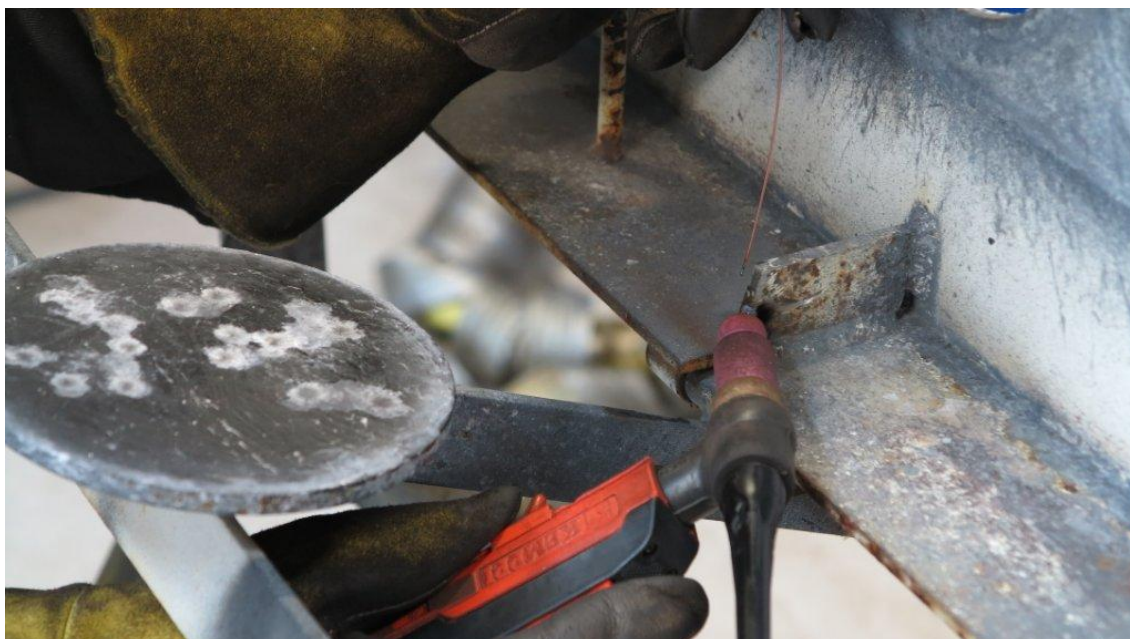


Target frame and hit plate position correction by welding

Remove rust and old paint off from hit plate position stopper.



Fill position stopper surface by TIG-welding.



Target frame and hit plate position correction by welding.

Position stopper after welding.



Level position stopper surface with grinder. Note this must do accurate that position stopper surface is touching completely to surface of hit plate arm.



Target frame and hit plate position correction by welding.

Level so long that distance between target frame and hit plate is 35mm as shown in picture.

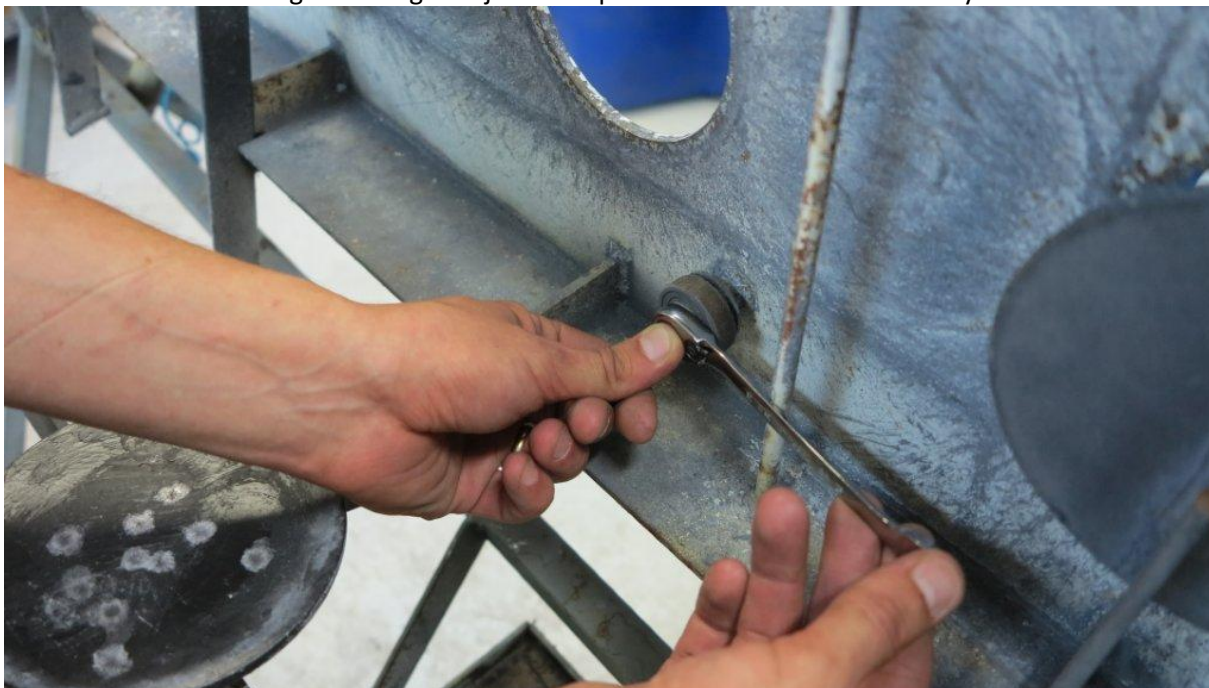


Assemble prone / standing plate back to place and check that between hit plate / prone / standing is gap minimum 2mm. During checking a gap, pull prone / standing plate backwards.



Instructions how to change bearings and height adjustment parts to old targets

Remove first old bearings and height adjustment parts. You can loosen screws by 10mm wrench.



In old targets the holes are made for M6 screws. Open the holes by 6,8mm drill and make new threads M8 for M8 screws.



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Install 13x32 washer, bearing, aluminum height adjustment part, Nord Lock washer NL8Xsp and M8x14 screw, add Loctite 243 or similar to the screw and tighten well by 13mm wrench. It is not necessary to add Loctite when you are using Nord Lock washers.



In the picture below you are able to see right order how these parts should be installed



Changes needed in prone/standing plates

Open the holes by 6,8mm drill and make new threads M8 for M8 screws.



Changes in prone/standing plate

Bolt M8x16



Install spring back to position and secure it is installed properly.



Target cleaning before basic painting

Use grinder with sanding disc for removing old paint completely.



For making good grip surface for paint use vibration grinder for finishing.



Painting instructions

Target maintenance painting

White front plate, black hit plates and back plate

1. Remove loose and rough paint layer with scraper.
2. Next use the orbital grinder for the surface. The need of sanding depends on the condition of the paint layer. The purpose of the sanding is to remove extra rough paint layers, smoothen the surface and get the good grip for the new paint layer.

The smaller the hit point in the target is, the better is the quality of the paint job done.

Use only good quality, efficient orbital grinder.

Change the grinding disc often enough and sand the surfaces regularly in order to keep the paint layers in good shape.

Grind only the paint and not the metal!!! Sand blasting and shot blasting is



3. Wipe the dust away from the surface and make sure that surface is dry before painting.

The purpose of the painting job is to have clean target with thin paint layers that have good contrast between black and white color.

4. Paint first black parts with spray paint. When needed use the safety cover to prevent black spray ending up to white areas. Spray thin layers and just enough to achieve matte black surface. Too thick paint layer is not ideal! Storage paint in room temperature (+20°C), shake the spray bottles well before use. Empty the bottle nozzle right away after painting job. Use only high quality matte black spray which is suitable for metal. Color tint: Deep black (RAL code 9005).



5. Paint the white front plate of the target with paint roller. If needed add second thin layer to get smooth and pure white result. Too thick paint layer is not ideal!

Use only matte alkyd paint suitable for metal. Color tint: Deep white (RAL 9003, RAL 9010 or RAL 9016). Storage the paint in room temperature (+20°C) in order to help the paint dry faster and make the paint job easier. Shake the paint well ALWAYS before painting.



Tools and paints:

- High quality matte black spray paint
- Small about 100mm wide paint roller and its container
- Matte deep white alkyd paint or deep white primer paint for metal.

Use everytime same paint in order to avoid possible problems.