
Situation 14.5.2018
D1 OK
D2 OK
D3 OK
Driven Element OK
Ref OK

Das schwingende Element


Situation
10.11.2018
D1 OK
D2 ½ lost
D3OK
Driven Element OK
Ref ½ lost

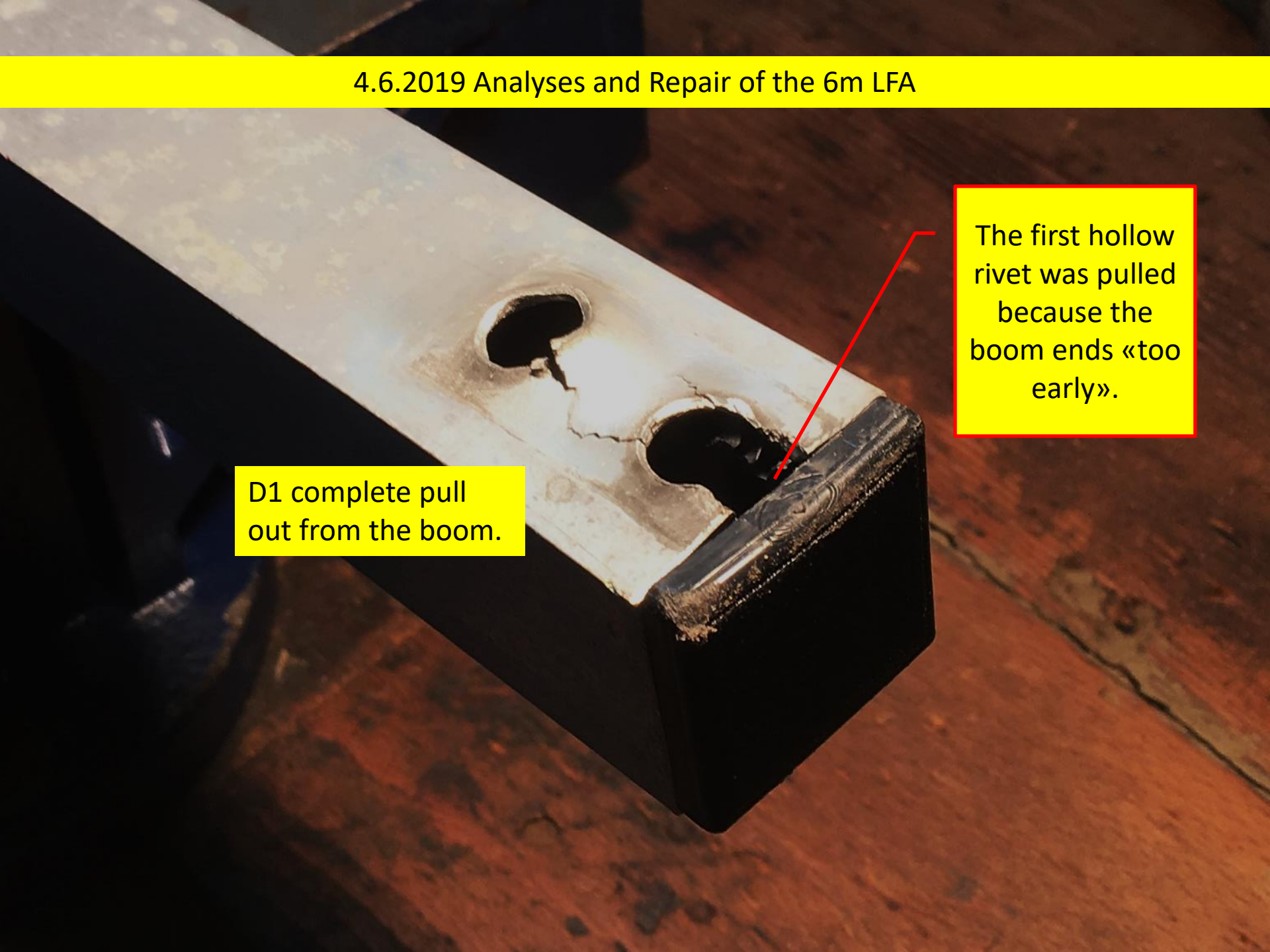
4.11.2018 Info to G0KSC about «missing» elements
5.11.2018 Info from G0KSC that the phaenomena is known for such antennas
10.11.2018 start of investigations to that problem
12.11.2018 Info from W7EW to use ropes
Different trials of materials to damp the “swinging” elements
Test setup

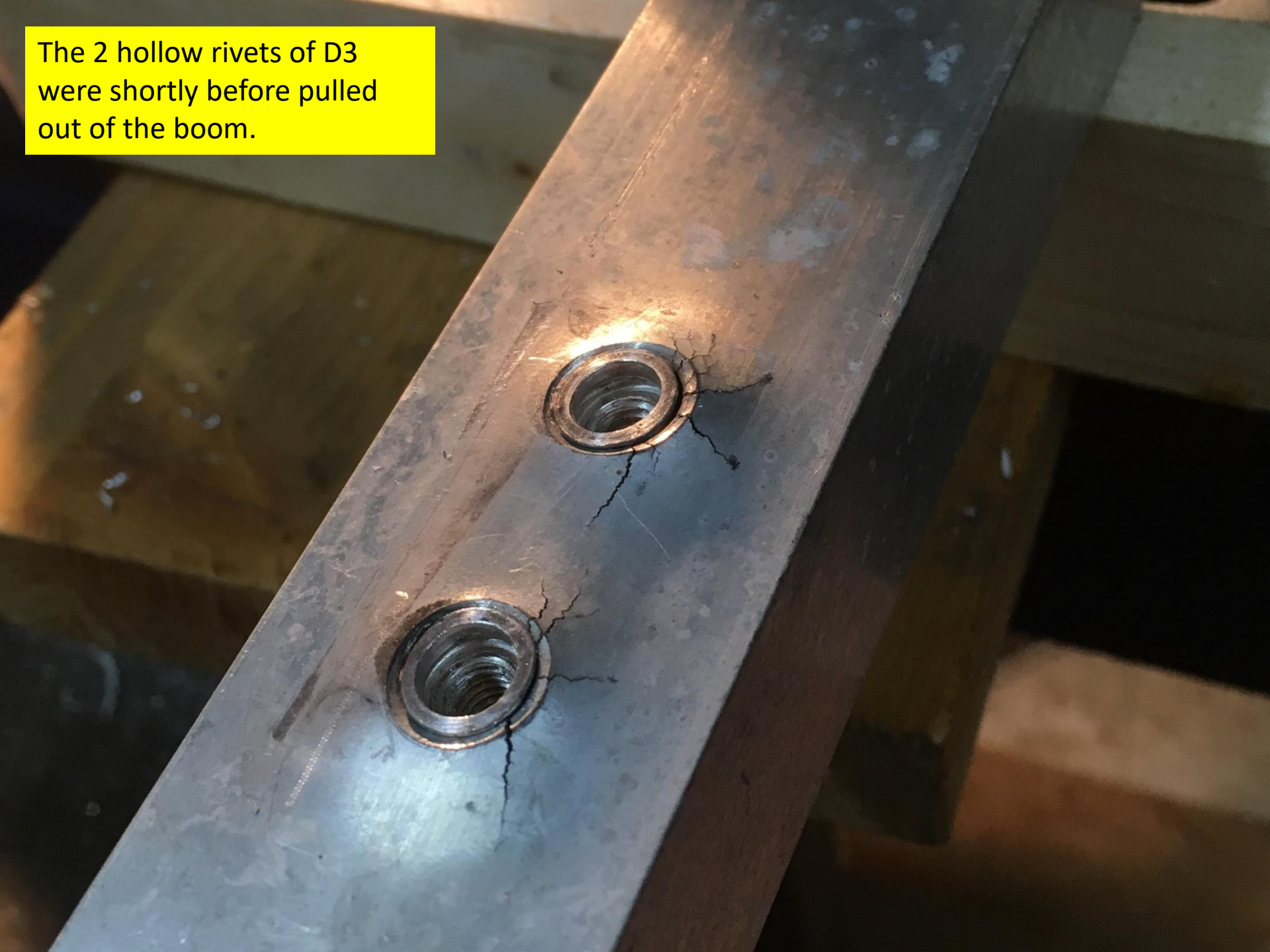
>> Best Solution for the actual tubes is a 5mm rope.

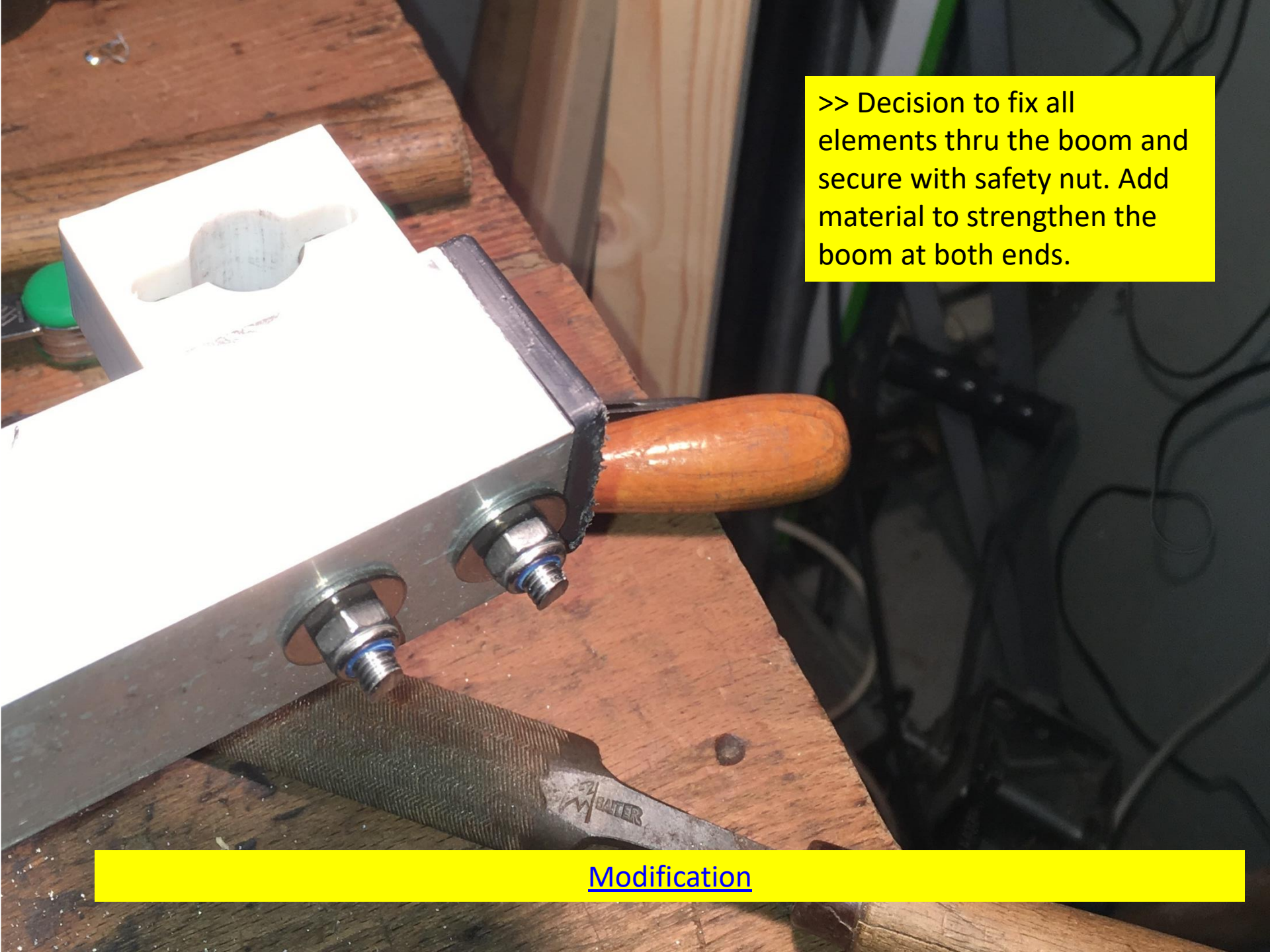
Waiting for possibility to take down the antenna.

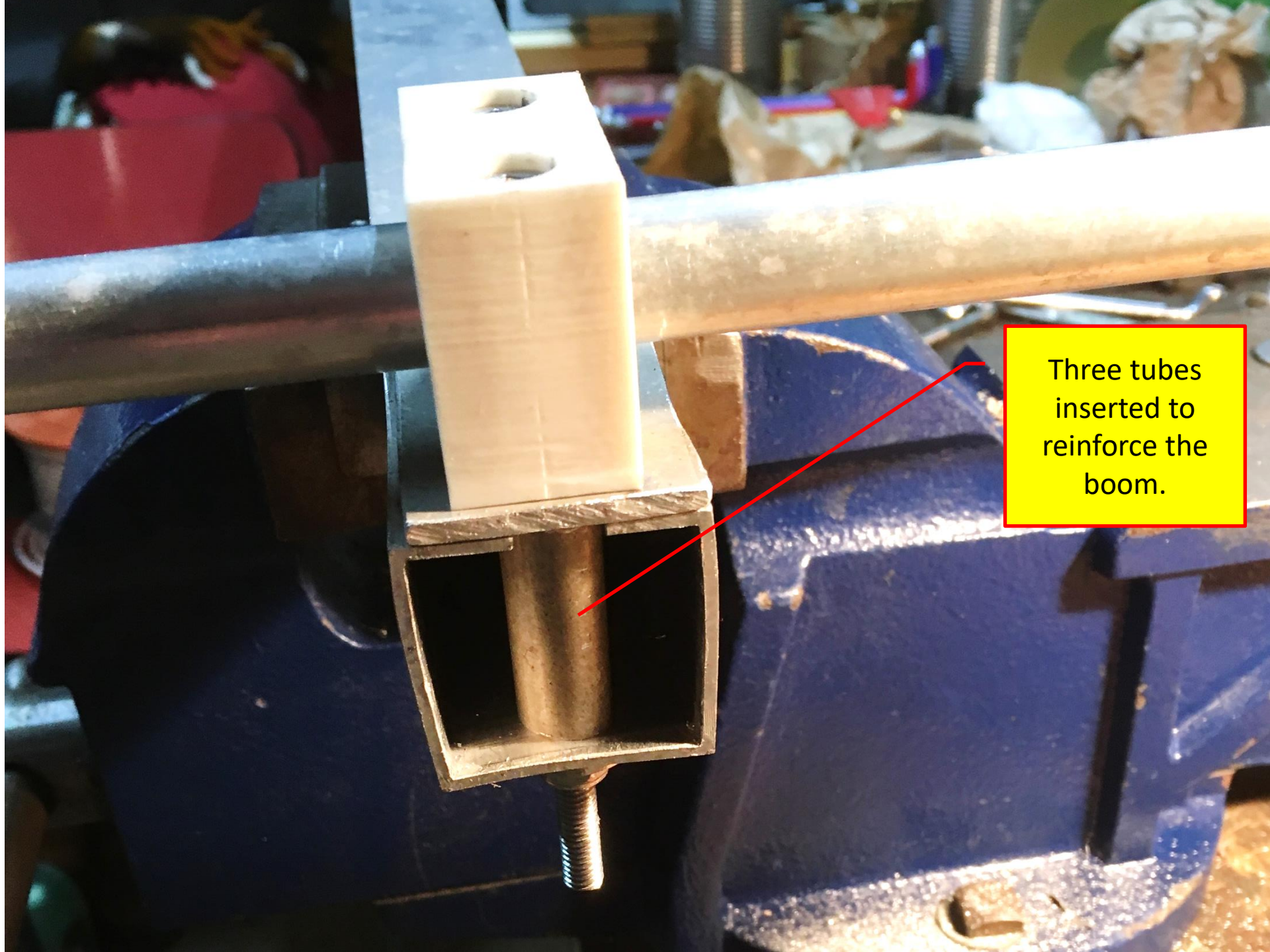

Situation 13.5.2019
D1 lost
D2 ½ lost
D3OK
Driven Element OK
Ref ½ lost

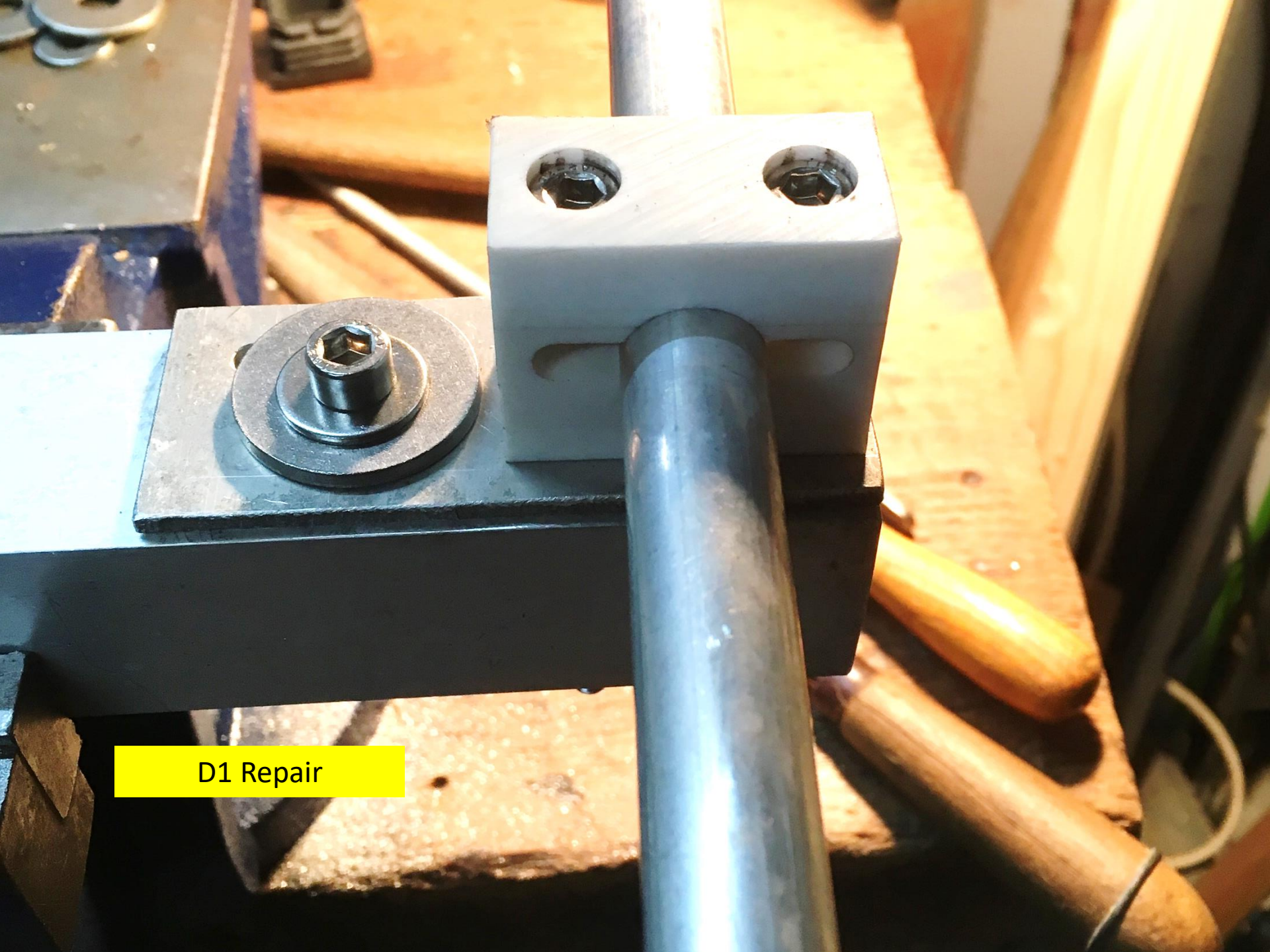
4.6.2019 Analyses and Repair of the 6m LFA



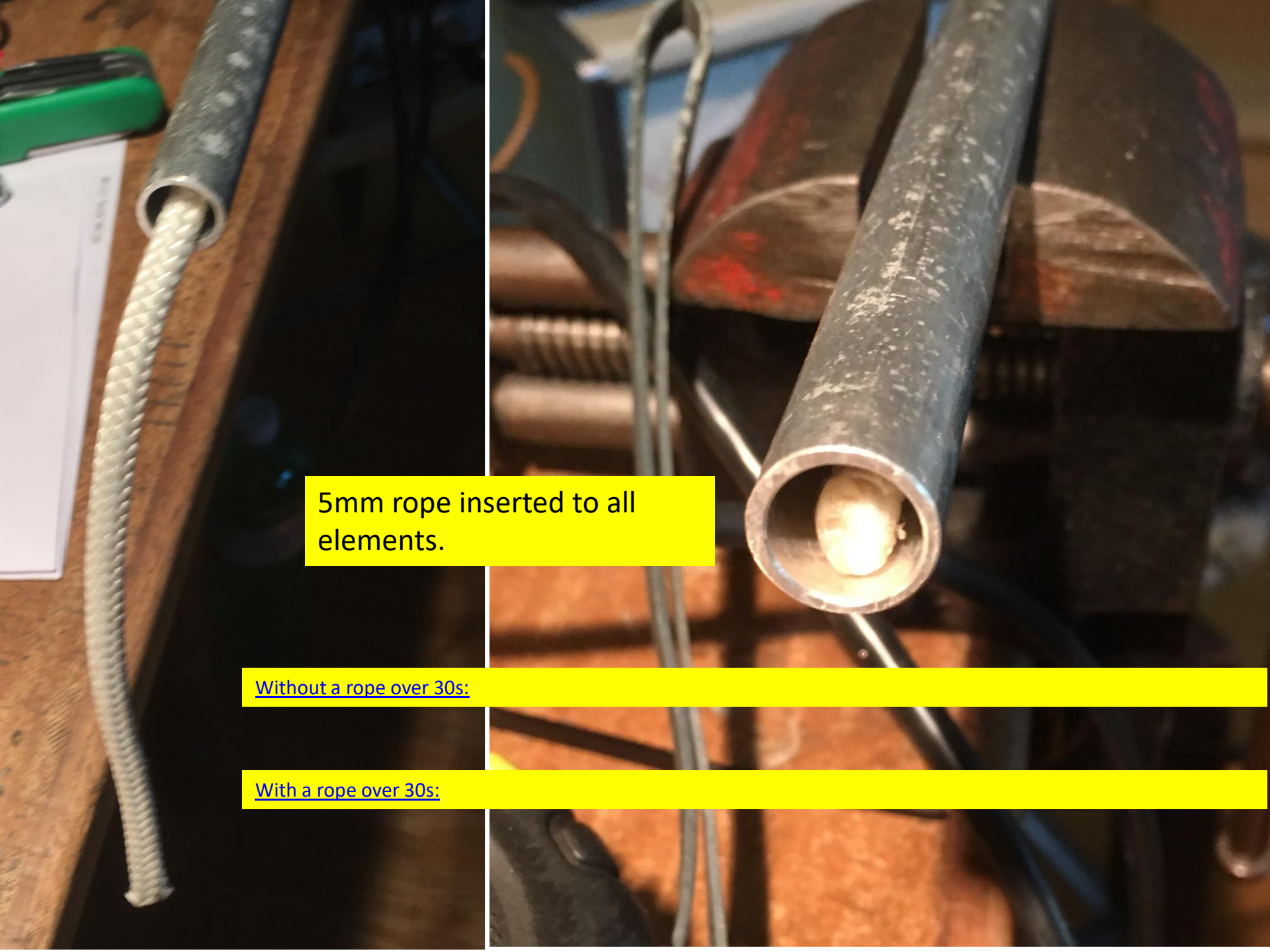

The 2 hollow rivets of D3
were shortly before pulled
out of the boom.


>> Decision to fix all elements thru the boom and secure with safety nut. Add material to strengthen the boom at both ends.
Modification


Three tubes inserted to reinforce the boom.


D1 Repair

Reinforcement of the reflector side. Here the hollow rivets are still present so I could not use tubes to insert.


5mm rope inserted to all elements.
Without a rope over 30s:
With a rope over 30s:


Antenna again ready to be mounted to our QTH on the Weissenstein for many DX. Thanks for support from you all!