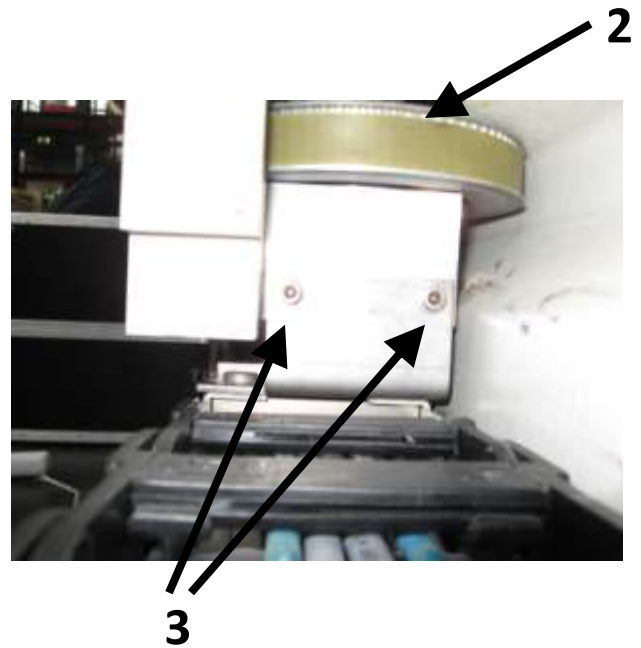There is a reoccurring hardware problem with the cft transposer robot. If the fourth axis (translation of the whole robot) does not move, or when the robot starts its homing procedure correctly but stays at the back at some point, it is probably due to this known cause. The problem is caused by a loose screw (1) which should fix a cogwheel (2). To test whether this is indeed the problem, manually move the fourth axis back and forth while keeping your finger on the cogwheel. If you can hold it still while the robot is moving, it has become loose and needs to be fixed.

To do this, first unscrew the two screws (3). This allows you to move the bundle of cables a little bit down so you will be able to reach the loose screw. Then fix the screw (1) which clamps the cogwheel, possibly with the use of locktite. Put the two screws (3) back in place and you are on your way.

2

3

Problem location

1