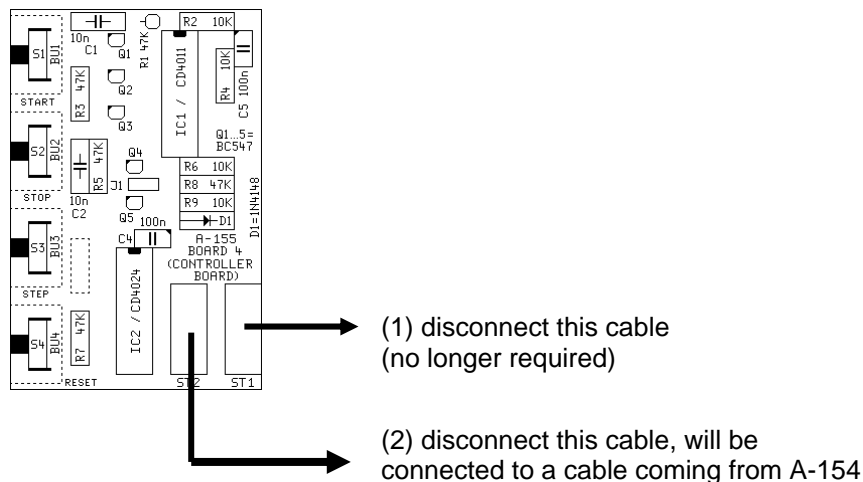


### Connection A-154 ↔ A-155

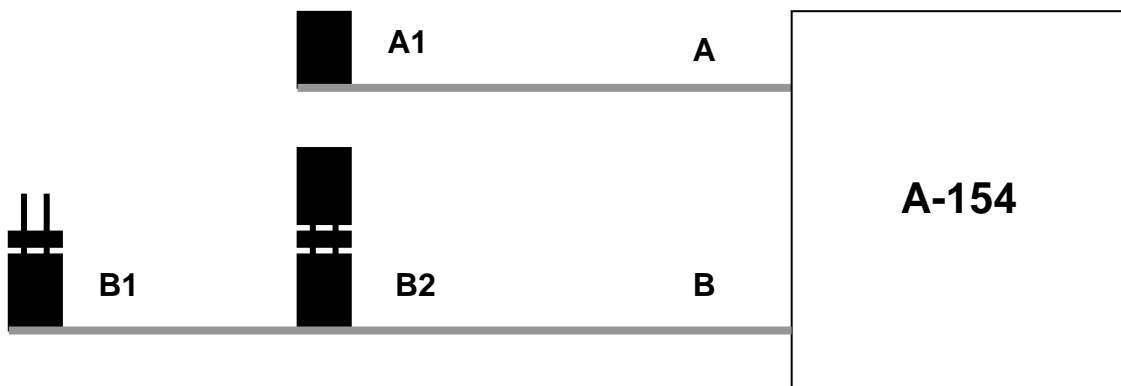
**Pay attention to the following notes regarding the connection of the modules A-154 and A-155. If a mistake is made the modules may be damaged after power on. In such cases the warranty is void and possible repairs have to be payed by the customer ! Pay attention to the right polarity of each cable with the help of the colored wire. If you think that your skills are not sufficient to carry out these connections please send in the modules to your dealer/representative or Doepfer Germany directly. That's better than destroying the modules even if it may take a few days. In such cases only the shipping charges have to be payed (provided that the modules are not yet damaged). If you order the A-154 and A-155 together we carry out the connections for free if you add a corresponding to your order.**

(1) Disconnect the 10 pin ribbon cable leading from the connector ST1 of the small A-155 controller board to the bus board. This cable is no longer required. But you may keep it as a bus cable replacement (for other modules with 10 pin connectors).

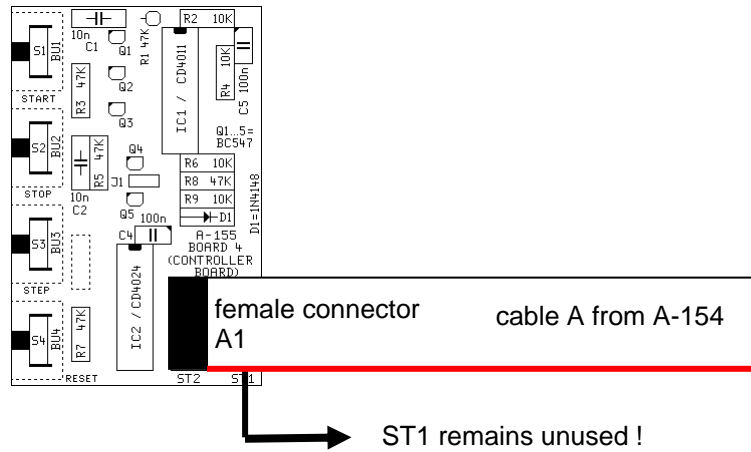
(2) Disconnect the 10 pin ribbon cable leading from the connector ST2 of the small A-155 controller board to the other boards of the A-155 (potentiometer and trigger boards). This cable is connected to another ribbon cable coming from the A-154 (see below).



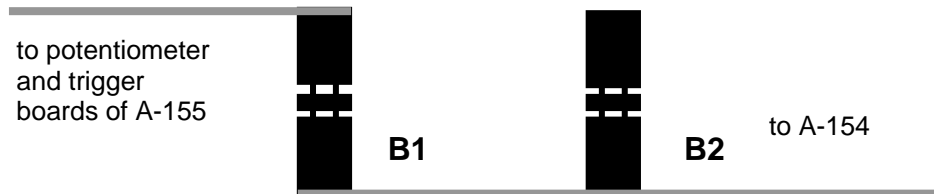
Two 10 pin ribbon cables come from the A-154. One (A) with a 10 pin female connector (A1) at its end and another (B) with two female connectors equipped with pin headers (B1, B2). One of the pin headers (B2) is provided with a second "blind" female connector as short-circuit protection (in case that only one A-155 is controlled by the A-154):



(3) Connect the 10 pin female connector **A1** of cable **A** to the pin header **ST2** of the small A-155 controller board (that has become free). Pay attention to use ST2 but not ST1 ! ST1 remains unconnected ! Otherwise a short circuit is made after power on and the A-154 may be destroyed ! Pay also attention to the polarity of the ribbon cable: the red wire has to show to the bottom if the A-155 module is assembled into the frame.

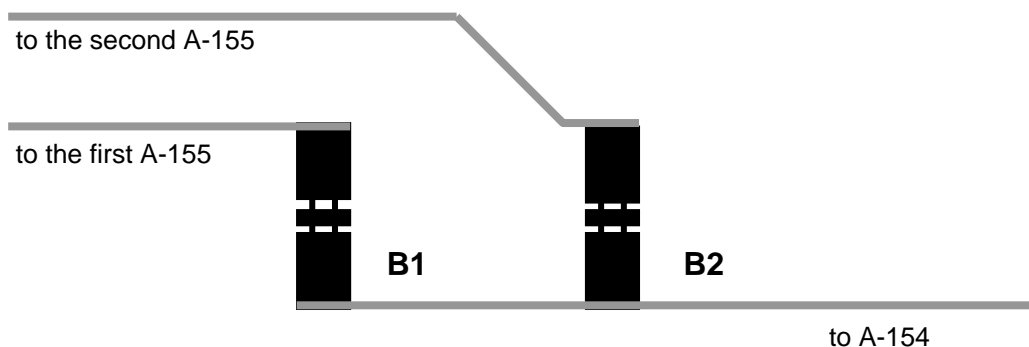


(4) Connect B1 with the female connector at the end of the ribbon cable that was removed from ST2 of the small A-155 controller board (this cable leads to the potentiometer and trigger boards of the A-155). The male pin header inserted into female connector B1 is used to establish this connection. Pay attention the the position of the red wire is the same for both ribbon cables ! The complete connection looks like this:



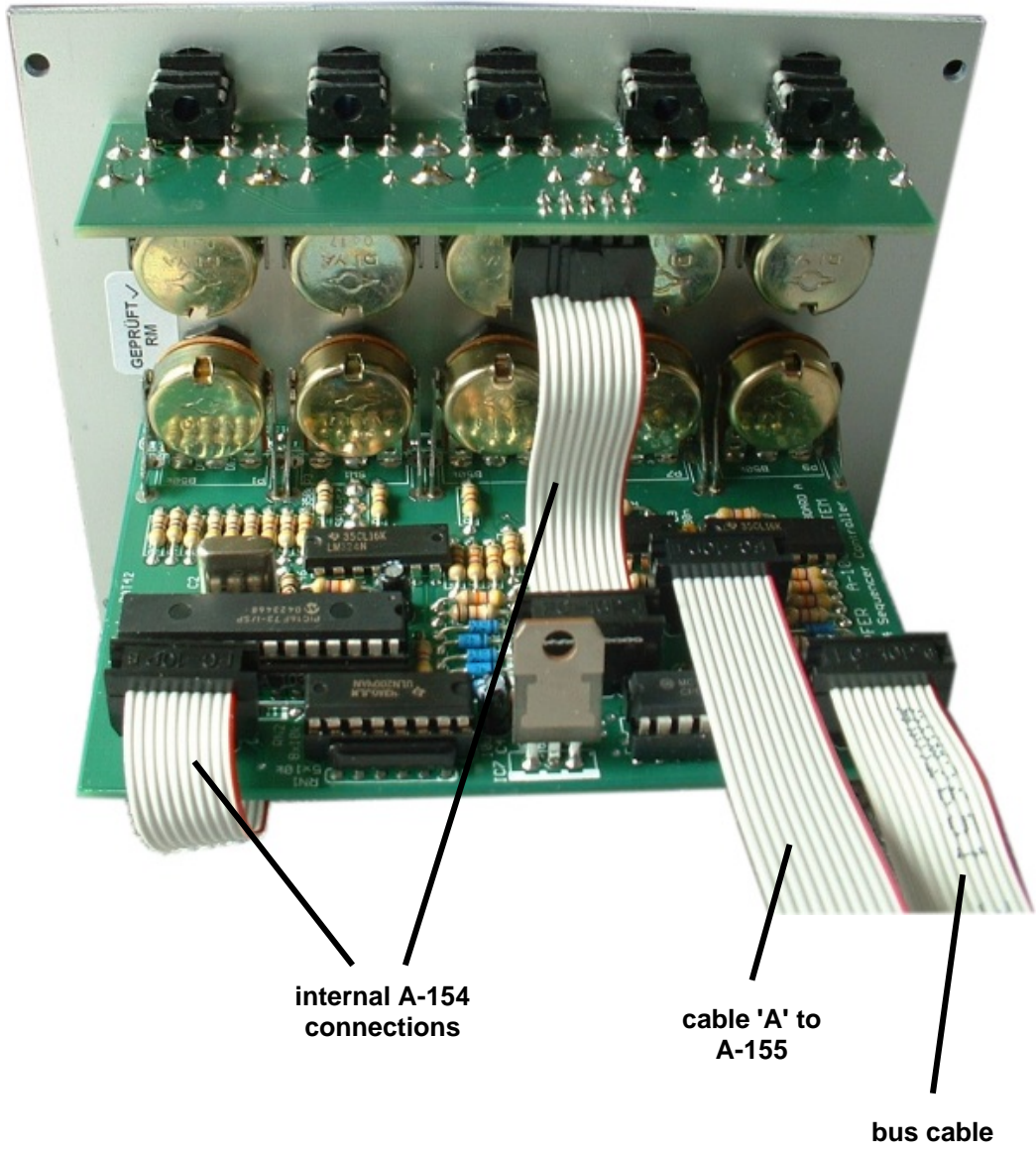
In case that **two A-155** have to be controlled by the A-154 the second A-155 has to be connected in this way:

Carry out steps (1) and (2) as described above even for the second A-155. Step (3) is not applicable. Step (4) is carried out as described above but B2 is used instead of B1. For this the "blind" female connector has to be removed before the cable coming from the potentiometer and trigger boards of the second A-155 is connected to B2. In this case the complete connection looks like this:



**Attention!** The second A-155 cannot be controlled by its "old" internal controller board. Both A-155 are controlled by the A-154 or the "old" controller board of the first A-155 depending upon the position of the master switch of the A-154.

**Attention!** If the controller and/or trigger board of the A-155 has been modified (recognizable by additional electronic parts soldered at the bottom side of the board) the modification has to be cancelled. Otherwise the A-155 will not work flawless in combination with the A-154. For details how to undo the modification please contact [hardware@doepfer.de](mailto:hardware@doepfer.de).



internal A-154  
connections

cable 'A' to  
A-155

bus cable

