

How to open a B-Control

Version 1.0.0
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This document explains how to open a Behringer BCF2000 or BCR2000, in particular how to remove the two plastic side panels.

Warning:

Unless you *absolutely* need to open a BCF2000 or BCR2000, ***don't do it!***

Even if you know how to do it (as explained in this document), there is always a big risk of breaking off the tabs of the two side panels, which may well void your warranty.

So if there is something wrong with your BCF/BCR while it is still in its warranty period, don't take any risk by trying to open it; instead, simply take it to your dealer for repair.

Even *outside* the warranty period it is advisable not to open a BCF/BCR unless you really have to: once a side panel's tab has broken off, the panel will stay slightly loose in the middle, no matter how tightly you screw on its two screws.

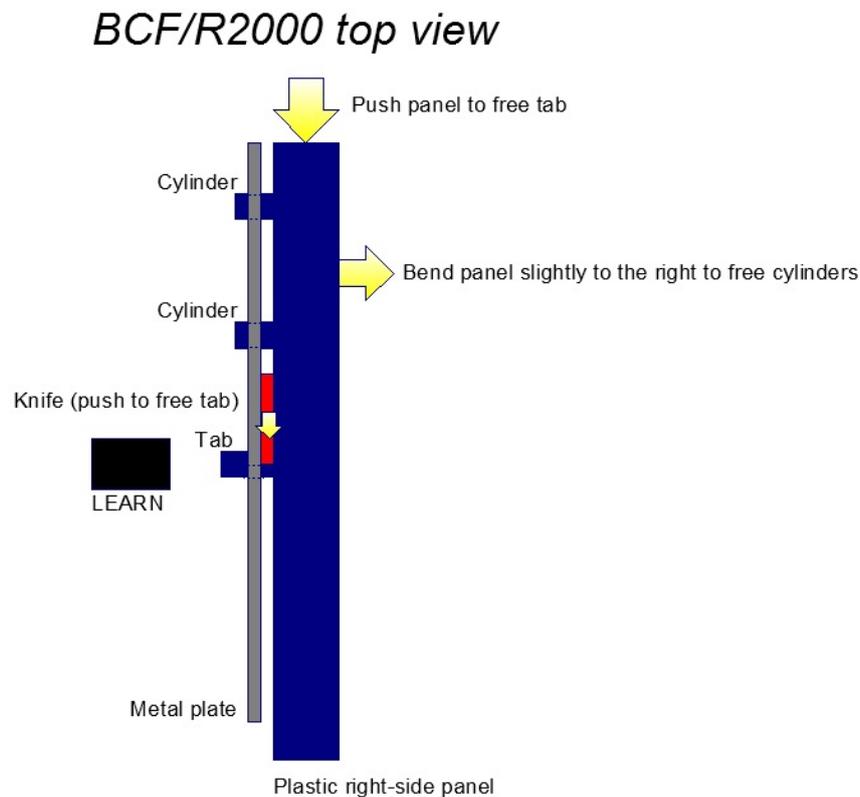
Steps to remove a plastic side panel:

1. First unscrew and remove the side panel's two screws. This is the easy part...
2. What makes removing a side panel so difficult, is that each of the BCF/BCR's two side panels has a plastic tab that is hooked very firmly behind a 15×5 mm vertical slit in the metal casing; see the diagram on the next page. Forcibly pulling a panel to the side will *definitely* break this tab.
Another complication is that each side panel has two cylinders that go into the raised top panel (containing e.g. the display), about 5 mm deep. E.g. for the right-hand panel, one cylinder is very near to the display and the other is close to the bottom two ENCODER GROUPS buttons.
So to remove the right-hand side panel, you must bend it to the right at the position of the cylinders (but as little as possible, because you don't want to put any pressure on the *tab* in this direction), then push the side panel as a whole slightly in the direction of the 'corrugated' plastic panel in order to free the tab and thereby the whole side panel.
To help freeing the tab while I'm bending and pushing, I always insert a thin (<1 mm) filling knife¹ (<4 cm wide) between the side panel and the metal casing at the location

¹ Maybe a bread knife or some other thin metal strip would work as well, but of course you don't want to cut or break the tab with your knife: the inserted object should be thin and stiff, but not sharp.

indicated in the diagram, from the bottom of the BCF/BCR to the top. (The tab is actually near the top panel (very close to the LEARN button), but in my experience it's impossible to insert anything from the top down.) So I use one hand to bend and push the side panel, and the other hand to exert slight pressure on the thin part of the tab via the knife, in the same direction in which I'm pushing the side panel. Actually in the end you don't have to use very much force: just slowly increase the pressure on the side panel and the knife, until (hopefully) the whole side panel (i.e. including the tab!) slips free.

Good luck! You'll need it...



By the way, removal of the 'corrugated' plastic panel (which could be a next step after removal of the two side panels) isn't very easy either, due to its various, rather vulnerable tabs. However, depending on which part of your BCF/BCR you want to fix, it may not be necessary to remove the corrugated panel.