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C. BECHSTEIN VARIO duet digital system



Installation requirements universal stop rail for pianos

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INSTALLATION REQUIREMENTS UNIVERSAL STOP RAIL FOR PIANOS

Only piano manufacturers with experience in the installation of silent systems are able to install the universal stop rail. Ideally an installation seminar should have been completed. A certain wealth of ideas is required for action that deviate from the usual construction.

The basic prerequisite for an instrument is always an optimal regulation of the action and keyboard. Only an even regulation results in an even playing feel with the VARIO digital system.

Requirements for the keyboard:

- 88 keys in standard width according to DIN 8996 of 1226 mm +/- 1 mm. Slightly different dimensions can be made possible after consultation with our service department.
- Keyboards with 85 keys are also possible. In this case the standard width is 1157 mm. The calibration is carried out as usual with only 85 keys. After the calibration a note appears: „The colored keys will work“.
- Sufficient installation depth for the sensor bar under the keys from 8 to 15 mm

Requirements for the mechanics:

- The action brackets should allow the damper impact bar to be fixed. The stop rail developed by C. Bechstein is mounted at its fastening points.
- The damper line should be as straight as possible. Solutions for deviations are given including the necessary parts, but are complex to install.
- There should be sufficient distance between the lower edge of the hammer and the damper drums in the bass.

For pianos with a Renner action and identical action types, installation should be possible. Even old Yamaha actions can be installed easily. The variable stop rails must always be adjusted in length.

New Yamaha actions brackets do not have a fastening possibility for the damper impact bar. This is where the piano maker has to look for solutions. Our service department will be pleased to support you.

Installation of the stop rail

The stop rail must be shortened to size. For this purpose, please lay out the parts of the stop rail in front of the action as described in the installation instructions. Check which fastening angles are used on the action brackets. Then measure how long the corresponding stop rail should be and saw it off with a metal saw. At least three oblong holes must be left on each side.

Missing action stands can be replaced with an enclosed mounting bracket.

In the transition from bass to discant it may be necessary to replace the shock drums with smaller ones, especially if the shock line moves upwards. In this case the small grub screws M3 x 6 mm can be used additionally as a replacement for the normal damper puppet screws.

Please use our service on the internet:

- Operating instructions in other languages
- Current installation instructions
- Service requests
- Order of spare parts

At: <https://service.bechstein-digital.com>

Service engineering telephone:

0800 1853 000 (toll-free from Germany)
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***We look forward to getting in touch with you -
your service team from C. Bechstein Digital***