

NEUSER FRETLESS SYSTEM



NEUSER FRETLESS SYSTEM®



2 IN **1**
FRETTED
AND FRETLESS SOUND

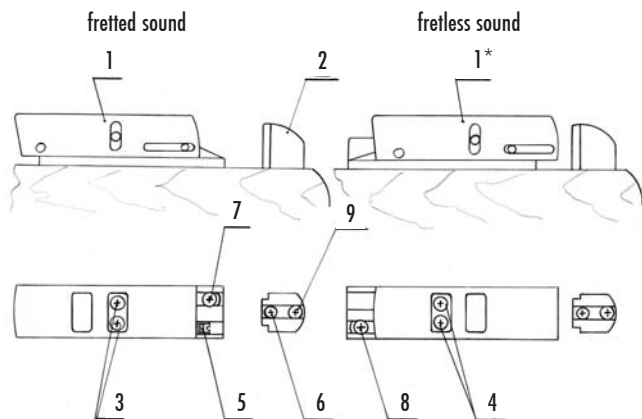
WWW.NEUSERBASSES.COM

THE NFS- BRIDGE IS COMPATIBLE
WITH THE MOST POPULAR BASS BRANDS/ MODELS
SUCH AS FENDER, YAMAHA & MUSICMAN.

- A SLEEK VERSITILE DESIGN.
- EASY TO RETROFIT ON MOST ELECTRIC BASSES.
- WITH A FLICK YOU CAN TRANSPOSE
FROM FRETTED TO FRETLESS,
EVEN IN THE MIDDLE OF A SONG.!
- ELIMINATES INTONATION CONCERNS.
- EACH STRING IS INDIVIDUALLY SWITCHABLE BETWEEN
THE TWO DIFFERENT MODES.



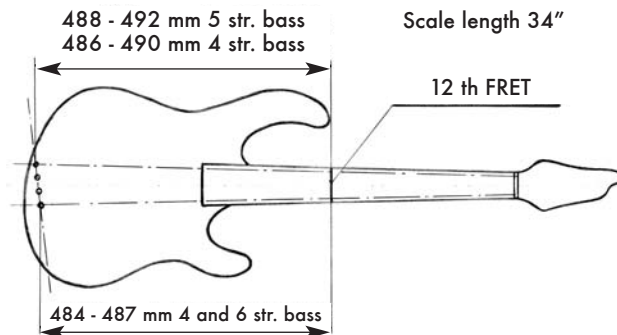
MOUNTING INSTRUCTIONS FOR THE NFS BRIDGE



pic 1

1. Movable string cover in fretted-sound position
- 1.* Movable string cover in fretless-sound position
2. Tailpiece
3. Adjustment screws, for adjusting string height, only in fretted position.
4. Adjustment screws, for adjusting the fretless sound.
5. Adjustment screw, for tuning octaves, in fretless position
6. Subsidiary adjustment screw, for adjusting the fretless sound.
- 7- 9. Fastening screws

1. Drill holes as shown in picture no 2, Holes of 2,0-2,5 mm in diameter for securing the tailpieces no 2 with screws no 9.



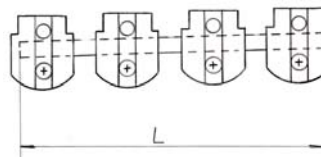
pic 2

NOTE: When measuring the places for the screws keep the correct string distance from the fingerboard edges and make the holes within equal distance from each other.

2. With the screw no 9 you slightly attach the tailpieces to the body. The tailpiece for the 5-string has the widest groove. Tailpiece No I. is for C & G strings
Tailpiece No II. is for D & A strings
Tailpiece No III. is for E & H(B) strings

3. Adjust the tailpieces so that the groove sides are evenly and equally facing the headstock of the bass.

4. Fasten the tailpieces tightly with the screws no 9. **NOTE:** In case the bass doesn't have a nutfret of brass it will be necessary to place a shielding plate under the tailpieces. The length of the shielding plate should be adjusted as shown in the pic. no 3.



pic 3

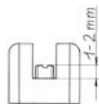
MOUNTING INSTRUCTIONS FOR THE NFS BRIDGE

5. Pick the subsidiary adjustment screws 6 from the groove and drill holes of 2,5 mm in diameter to the bass body for the screws 6. Pic. No. 4



pic 4

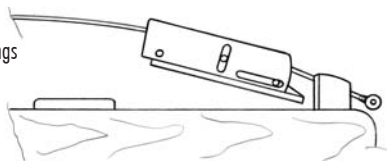
6. After that secure the subsidiary screws 6 back to the grooves 2 and to the bass body. Let the screws 6 stick out from the groove 2 about 1-2 mm. Pic. No. 5



pic 5

7. Put all the bridge units in fretted position. Pull all the strings through the bridge-units and attach the strings to the mechanics and fasten them slightly.

NOTE: Make attention that you have the bridge units correctly turned. See carefully the picture No. 6
Bridge unit No I. is for C & G strings
Bridge unit No II. is for D & A strings
Bridge unit No III. is for E & H(B) strings



pic 6

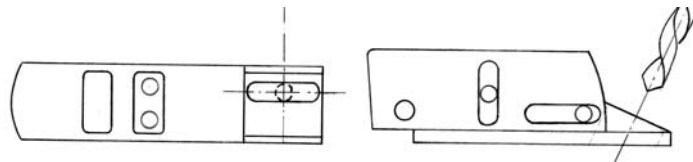
8. Place the bridge units on the bass body in front of the tailpieces. Tune the strings approximately and adjust preliminary the string height with the adjustment screws 3.

9. Move now the string cover to the fretless position. Install the adjustment screws 4 so that they will stand out 3-4 mm from the saddle. Change back to the fretted sound position. Fine tune the strings and adjust precisely the desired string height.

10. Tune the octaves. For the correct octaves you will find, the right position of the bridge, by moving the whole bridge unit (must be in fretted position) forth or back towards the neck. We recommend that you use an electric string tuner for this purpose. You should first find the right and exact tuning for each open string. After that you should play the tunes on the 12.th fret. In the event that these tunes are higher than that of the open string - move the bridge unit more towards the tail-piece. If the tune is lower on the 12.th fret than that of the open string, the unit should be moved more towards the neck.

NOTE: Control that the distances between the units are equal and that units are placed straight.

11. Drill holes in 2-2,5 mm diameter for the fastening screws 7. The holes should be drilled in the middle of the groove and straight on the oblique surface. As shown downe.



pic 7

NOTE: Take care that the bridge doesn't move while drilling the holes.

12. Secure the fastening screws 7 to the drilled holes.

13. Move the string cover to the fretless position, and repeat steps 11 and 12 on the other side of the bridge unit. The bridge is ready to be adjusted and to tune the fretless sound once you have tightly fastened both screws 7 and 8.

MOUNTING INSTRUCTIONS FOR THE NFS BRIDGE

You can change the sound from fretted to fretless by moving the string cover forth or back towards the neck.

Fretted sound- In the fretted sound position the string cover 1 is pulled towards the neck. *

Fretless sound- In the fretless sound position the string cover 1* is pushed towards the tailpiece.*

*(see pic. no.1)

Adjusting the string height.

When you adjust the string height the string cover 1 should be in the fretted sound position. The string height is adjusted with adjustment screws 3, by turning either one of the screws 3 out of the body or into the body. When you turn the screw more into the body the string gets at a higher position, and when the screw is turned outwards the strings gets a lower position. When the desired string height has been achieved, turn the second screw 3 into the same height as the first one.

To tune octaves

In the event your guitar is out of tune in octaves for example due to a change of string gauge, the tuning is done as follows:

- Move the string cover into the fretted position.
- Find the right and exact tuning for each open string.
- We recommend that you use electric string tuner for this purpose.
- Play the tunes on the 12.th fret. In the event that these tunes are higher than that of the open string then you should release adjustment screw 7 and move the bridge unit more towards the tailpiece 2
- Control again the height of both tunes (octaves). If both tunes are equal secure the adjustment screws 7 and 8 equally tight. If the tunes are not equal you have to repeat the procedure.
- If the tune on the 12.th fret is lower than that of the open string-release the adjustment screw 8 and move the unit more towards the neck. Secure both screws 7 and 8 equally tight.

NOTE: That you should make attention to keep the unit on place when securing the screws.

A faster or tighter securing of either screw can cause a slight movement of the unit.

In case you would like to slightly change the colour of the fretless sound, or if it is difficult to find the requested fretless sound especially on the thicker strings, you can use the additional adjustment screw 6 (in the tailpiece) for to achieve the preferred sound. Take the string out from the tailpiece and change the position of the additional adjustment screw 6. For example turn the screw 1-3 mm more outwards, put the string back, tune the string and try the sound. The screw can be adjusted on any position. Its height will influence also the colour of the fretted sound, the colour of the sound can be adjusted according to individual requests.

GENERAL RECOMMENDATIONS

- Somewhat thinner strings will result in a more distinguished fretless sound.
- The fretless sound is more expressive when using the bridge pickup.
- For optimal fretless sound we suggest following frequencies for your amplifier.
BASS: -2dB@100Hz, **MID:** +2dB@680Hz, **TREB:** +1dB@8kHz, +10dB@10kHz,
- It is strongly recommended that the installation of the bridge will be done at a professional service store or by a luthier.

NOTIFICATION

It is possible to mount the NFS-Bridge on almost all types of electric bassguitars for example Fender, Ibanez, Yamaha, Epiphone, Warwick, Carvin etc. However there are some exceptions:

- Basses that doesn't fit within the given measures in picture 2
- Basses that have string height at the bridge (measures from the body top) Lower than 11,5 mm or higher than 14,5 mm

Notice: In case of bolt-on basses it is possible to change the string height In case if it is too low or too high. You can change the string height by changing the neck-body angel. We recommend that you let a professional service shop make the change of the angel.

MOUNTING INSTRUCTIONS FOR THE NFS BRIDGE

Adjusting the fretless sound.

- Each string should be adjusted separately.
- Move the string cover 1 to the fretless sound position.
- The adjustment screws 4 should be turned out from the saddle so that they will stand out 3-4 mm from the saddle.
- Insert the hexagon key in one of the screws 4.
- Play tones somewhere in the middle of the fingerboard for example: play on G string tones from D-F
- As long as you can hear the played tone turn the adjustment screw 4 so that the screw will settle into the saddle. Turn the screw slowly, until you will hear the desired fretless sound. It might happen that this sound disappears and the screw is already too deep in the groove. In this case you have to turn out the screw back and repeat the procedure.
- When the desired tone is found, turn the second adjustment screw 4 so that, it will be in equal height with the first screw.
- Control the fretless sound in comparison to the fretted sound.

FINE-TUNING THE FRETLESS TONE

- The tuning of the fretless tone should be equal or with minor differences, in comparison to that of the fretted tone. These differences can be adjusted with screws no. 4
- When turning the screws no 4 clockwise the tone becomes higher.
When turning the screws no 4 counterclockwise the tone becomes lower.
- In the event the fretless tone would disappear during the adjustment and the tone would become slightly in over-tune it will be necessary to adjust the screw no. 6 slightly upwards approx. 1-2 mm or alternatively you can adjust the screw no. 5 outwards from the bridge-body.
- In case of under-tune -adjust the tone by turning the for mentioned screws no 5 and 6 to opposite directions as described above.



NEUSER BASSES
HUVILARINNE 9A
02730 ESPOO
FINLAND

NEUSER FRETLESS SYSTEM®
BY ABM
TEL: +358-9-599 615
FAX: +358-9-593 322
E-MAIL: BASSES@NEUSERBASSES.COM
WWW.NEUSERBASSES.COM

