

The ENGL logo is rendered in a highly stylized, metallic, three-dimensional font. The letters are thick and feature a brushed metal texture with highlights and shadows that give them a sense of depth. The logo is centered horizontally and positioned in the upper half of the page. The background is a dark, textured diamond plate pattern, which is a common material for truck grilles. A small, circular fastener or bolt is visible in the center of the diamond plate, directly below the ENGL logo.

ENGL

ENGL
Hardtailer
Installation Guide

ENGL Hardtailer – Tremolo Blocking System

Convert your tremolo from full floating to dive-only in a matter of seconds with the precision engineered quick release system in the ENGL Hardtailer. Easy to install without any modification to your existing tremolo block and milled from high precision aluminum and brass.

What sets the ENGL Hardtailer apart

- easy assembly

The ENGL Hardtailer can be installed within a few minutes. No changes and/or adjustments to the tremolo or the guitar are necessary. When the Hardtailer is activated, dive bombs are possible without restrictions; the tremolo is blocked in the opposite direction. After deactivating the Hardtailer, the original function of the tremolo can still be used to its full extent.

- no sound changes or discoloration

- no annoying background noise when operating the tremolo

- movement of the tremolo is not affected – smooth playing feel

- activation/deactivation within seconds

- no risk that the lock will come loose on its own

- changing strings on Floyd Rose tremolos is as easy and convenient as on a hardtail

- use as a broken string rescue system

If a page tears during a gig, the system can be activated easily to play the song to the end. All intact strings remain in tune.

- use for drop tuning with a floating bridge

Activate the Hardtailer, then tune the E string to drop – done.

Deactivate the Hardtailer, then tune the E string back – done.

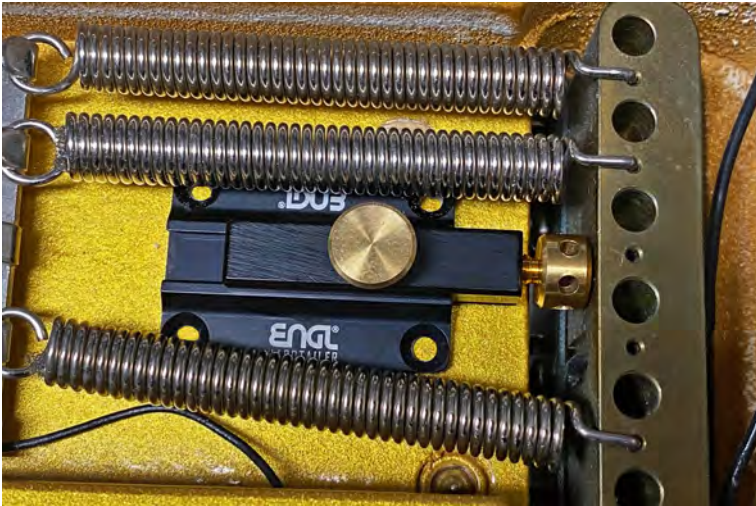
» Use in conjunction with e.g. D-Tuna / Pitch Shifter.

Tip from the designer: With the help of the knurled screw it is possible to tune the guitar a semitone lower. First, the knurled screw must be adjusted, then the individual strings only need to be re-tuned slightly.

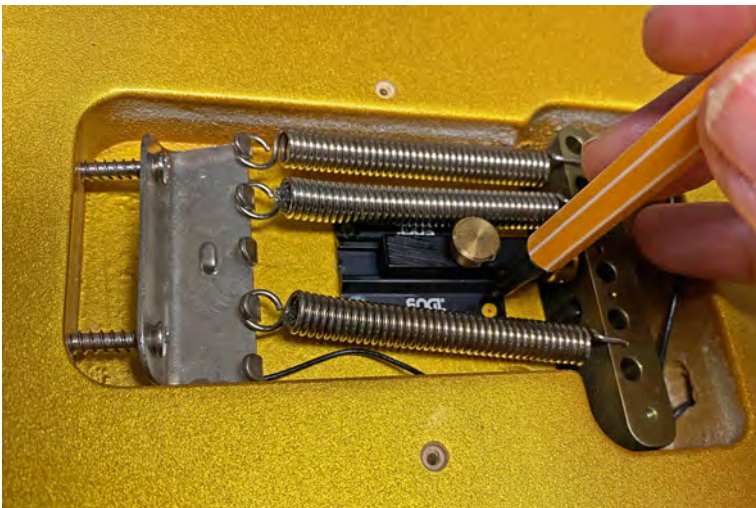
Installation instructions ENGL Hardtailer

Before installation, the guitar must be adjusted and tuned. During installation, the tremolo (with lever) must not rest on the work surface. As a recommendation, the tremolo lever should be removed and the guitar positioned on a support so that the tremolo moves freely and is in the zero position.

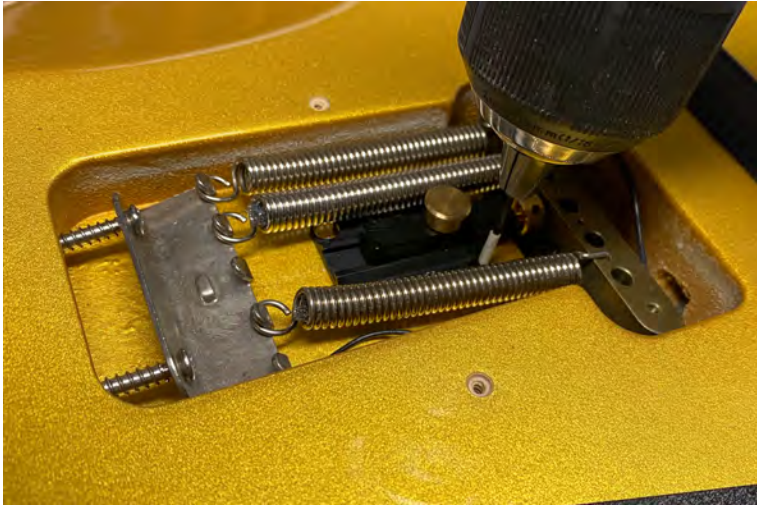
1. Put the Hardtailer in the extended position so that the knurled screw rests against the tremolo block.



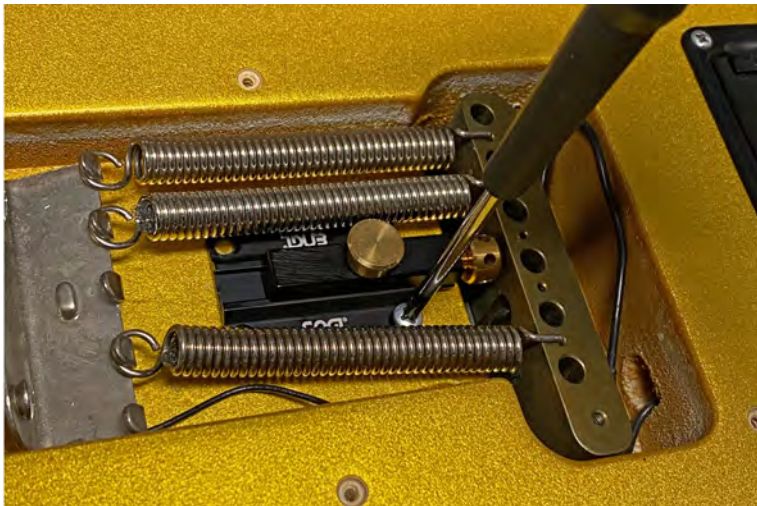
2. Mark drill holes.



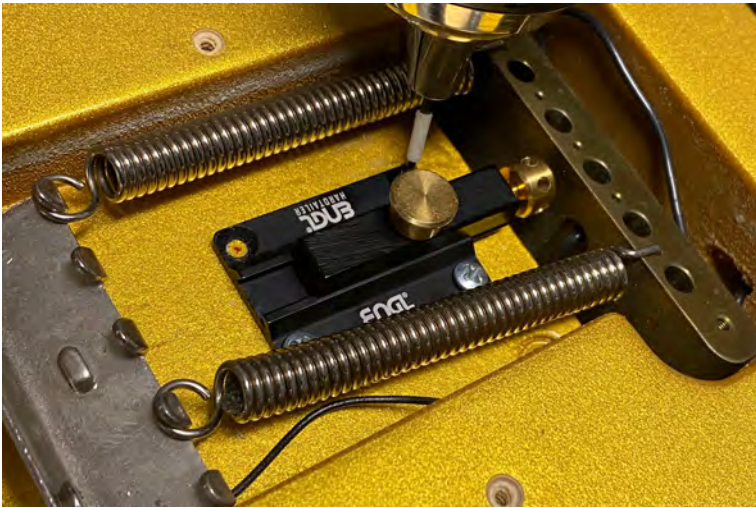
3. Pre-drill with 1.5mm drill.



4. Screw tight the Hardtailer with included screws.



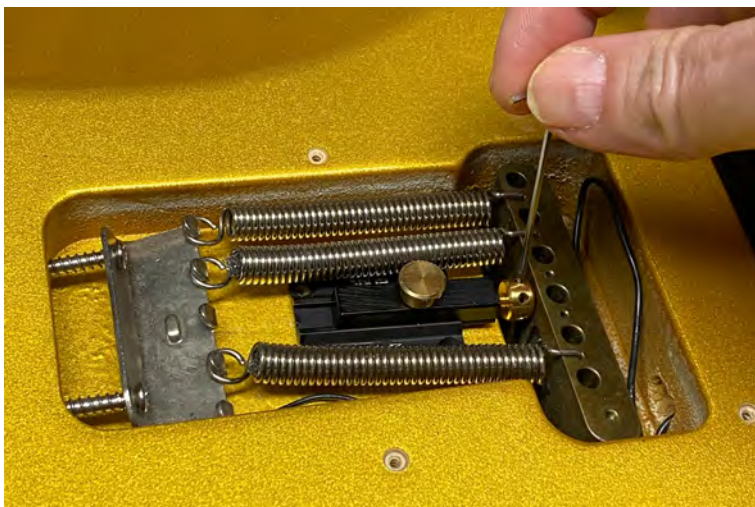
5. Mark the remaining holes, drill and finish assembling the Hardtailer. Remove springs if necessary.



6. After tightening the remaining screws, reinsert the spring.



7. Fine tuning with knurled screw.



After installation, the guitar must be tuned again with the Hardtailer deactivated.

From standard E-tuning to Drop-D

» The procedure is the same for all kind of drop tuning

Activate the Hardtailer and "drop" the low E string to D.

Then hit the A or D string (G, B, e string is also possible) and tune it using the knurled screw (using an Allen key or a small screwdriver).

Important – A, D, G, B, e strings must only be tuned with the knurled screw!

These strings are all tuned at the same time in this way, as the fine adjustment via the knurled screw restores the original position of the tremolo. Finally, the tuning of the E string, now drop-D, must be checked again and if necessary the tuning of the remaining strings must be fine-tuned again using the knurled screw as described.

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