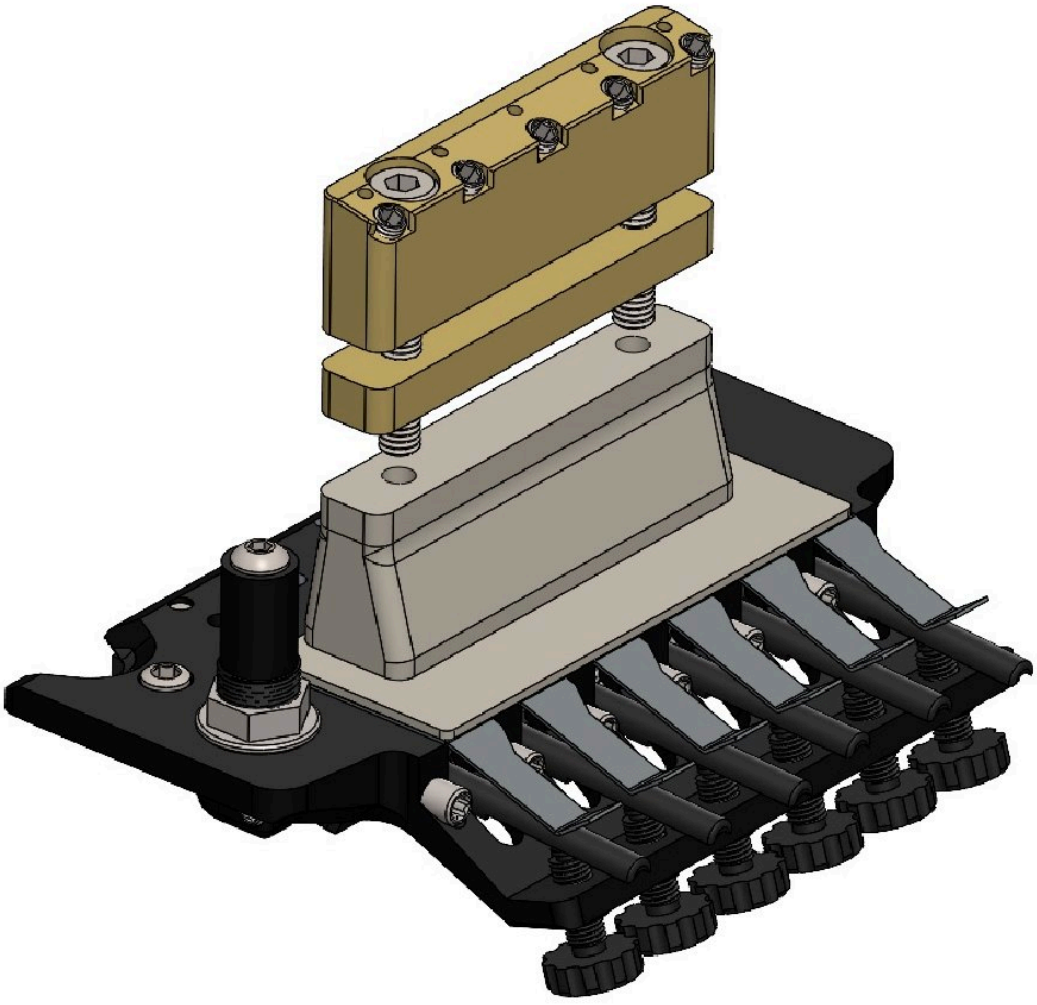
HANTUG

Locking Tremolo Pro

Owner's Manual



Rev. 2 · November 2026

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Before you start

Thank you for choosing the Hantug Locking Tremolo Pro. Every part is CNC machined in our workshop in Ankara. Please read this manual before your first setup.

Screws and tools

Part	Size / type	Drive	Section
String lock screw	M6, titanium	3 mm hex	1
Arm tension adjustment screw	M3.5, cone point, titanium	2 mm hex	2
Saddle lock screw	M3, titanium	T10 Torx	3
Intonation screw	M2.5, titanium	T10 Torx	3
Locking nut mounting screw	Wood screw, top mount, titanium	T10 Torx	4
Locking nut height screws	Side adjustment	2 mm hex	4
Spring lock screws	In the spring block	–	5
Knife edge mounting screw	M3, titanium	T10 Torx	6

Included tools: T10 Torx driver, 2 mm and 3 mm hex keys.

> **Earlier versions.** On current units the saddle lock, intonation, locking nut and knife edge screws have a T10 Torx head. Earlier units used hex (Allen) heads in these positions. If your tremolo has hex heads, use the matching hex key.

> **Do not overtighten.** Most screws on this tremolo are titanium and small in size. Tighten them firmly, but stop as soon as the part is held. Holding the driver between two fingers gives enough force for every screw in this manual.

SECTION 1

String installation

Strings are clamped at the saddle by the string lock screw. Set the fine tuner first so you have room to work.

1. **Set the fine tuner to its highest position**
   Turn the fine tuner counter-clockwise until it reaches its upper limit. This gives the most clearance and makes the string lock screw easy to reach.

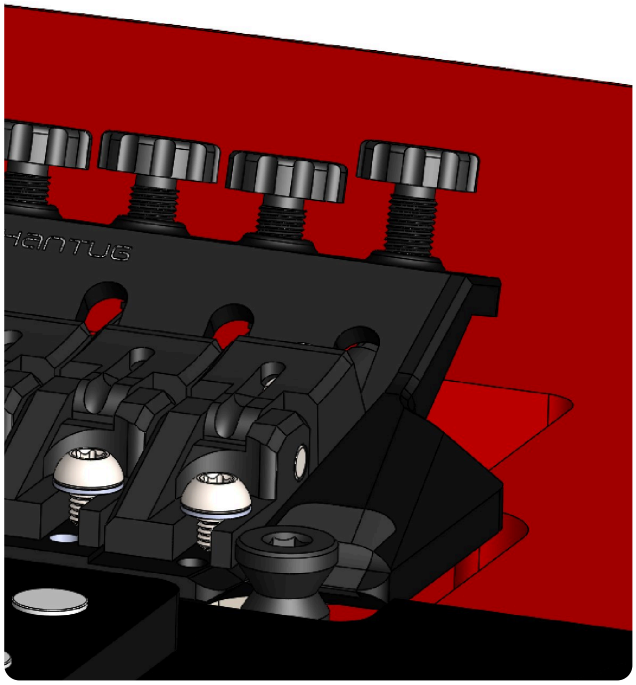
2. **Loosen the string lock screw**
   Use the 3 mm hex key. Loosen it only enough to insert the string.

3. **Insert the string**
   Push the string fully into the saddle until it reaches the internal stop. Make sure it sits straight.

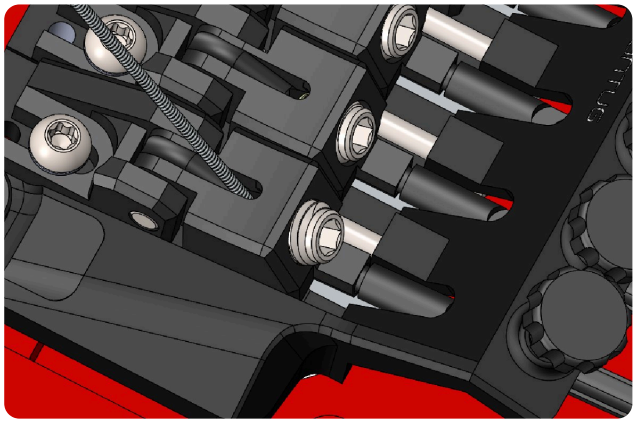
4. **Lock the string**
   Tighten the string lock screw firmly until the string is held.

5. **Return the fine tuner to the middle**
   Before tuning, turn the fine tuner back to the middle of its range. This leaves equal room to tune up and down.

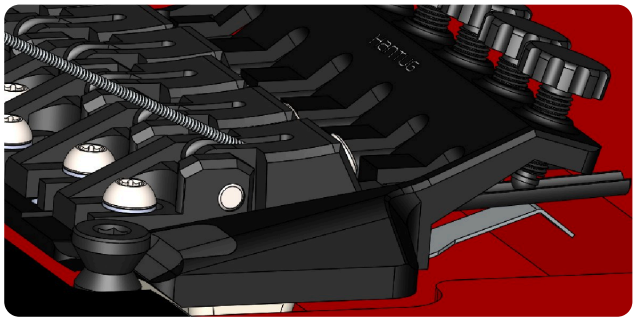
> **About the thread compound.** The string lock and fine tuner screws run titanium on titanium and titanium on stainless steel (helicoil). A small amount of anti-seize compound (Molykote) is applied to these threads to prevent galling and keep them smooth. It does not make the screws loosen and does not affect tuning stability. Please do not clean it off.



Step 1 · Fine tuner at its upper limit



Steps 2 and 3 · String lock screw and saddle



Steps 4 and 5 · String locked, fine tuner centred

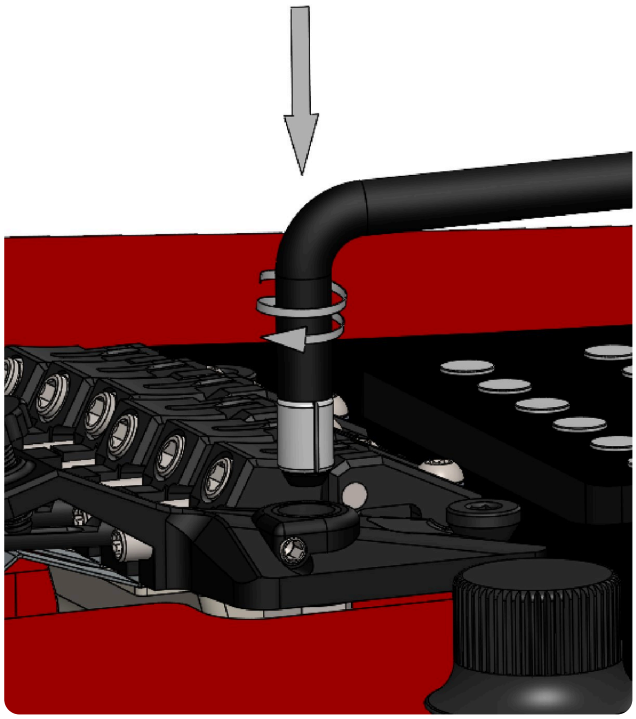
SECTION 2

Tremolo arm

The arm is threaded into its socket. You set its height by how far it is screwed in, and its resistance with a side tension screw.

Installing the arm

1. **Loosen the tension screw**
   Loosen the side tension screw with the 2 mm hex key so the arm can turn freely.
2. **Insert the arm**
   Place the arm in the socket while pressing gently downwards.
3. **Engage the thread**
   Turn the arm clockwise until it catches the internal thread.
4. **Seat the arm**
   Keep turning clockwise until the arm reaches its mechanical stop. Do not force it.



Arm socket with the side tension screw (titanium, cone point, 2 mm hex)

Height and resistance

Height. Turn the arm counter-clockwise from the stop to set your playing height.

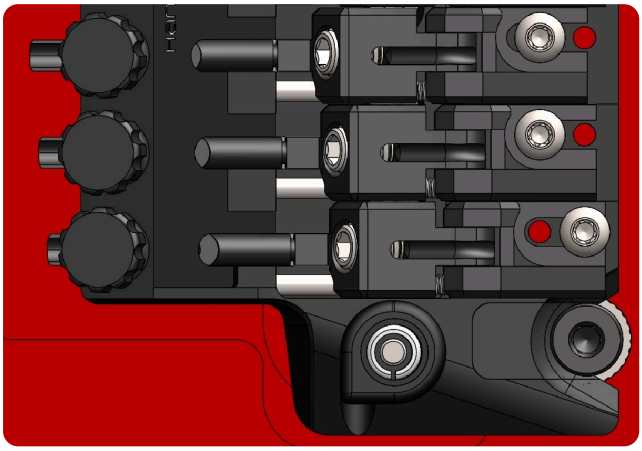
Resistance. Tighten the side tension screw until the arm turns smoothly but stays where you leave it. How stiff it should feel is personal preference.

> Always loosen the side tension screw before installing or removing the arm, and make small adjustments.

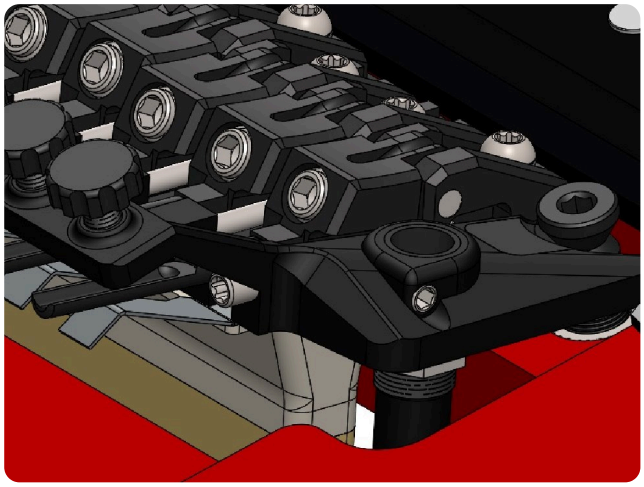
SECTION 3

Intonation

Each saddle is held by a lock screw and moved by an intonation screw at the rear. The order in which you turn them matters.



1 Saddle lock screw · M3, T10 Torx, top of the saddle



2 Intonation screw · M2.5, T10 Torx, rear of the tremolo

> **Why the order matters.** If you turn the intonation screw while the saddle lock screw is fully tight, the intonation screw can back out of the bridge, especially when turned counter-clockwise. If you then loosen the lock screw, string tension can pull the saddle forward suddenly and the setting is lost.

1. **Prepare**
   Tune to pitch and make sure the tremolo is in its normal playing position. Use the T10 Torx driver.
2. **Slightly loosen the saddle lock screw** 1
   Only enough for the saddle to move under control. Do not remove it.
3. **Adjust with the intonation screw** 2
   Clockwise moves the saddle back, counter-clockwise moves it forward. Keep the screw head against the rear of the baseplate with no visible gap.
4. **Lock the saddle**
   Tighten the saddle lock screw again once the intonation is correct.
5. **Check**
   Check tuning and intonation once more and make sure the saddle is locked.

Adjust one saddle at a time and make small moves. Small tuning changes while you adjust are normal.

SECTION 4

Locking nut height

The locking nut sets its own height with two side screws, so no shims or filing are needed.



1 **Set the string tree**
Tighten the string tree screws just enough for the strings to sit firmly against the back edge of the locking nut.



2 **Loosen the top mount screws**
With the T10 Torx driver, loosen the two titanium top mount screws slightly, only enough to let the nut move. Tighten them again after the height is set.

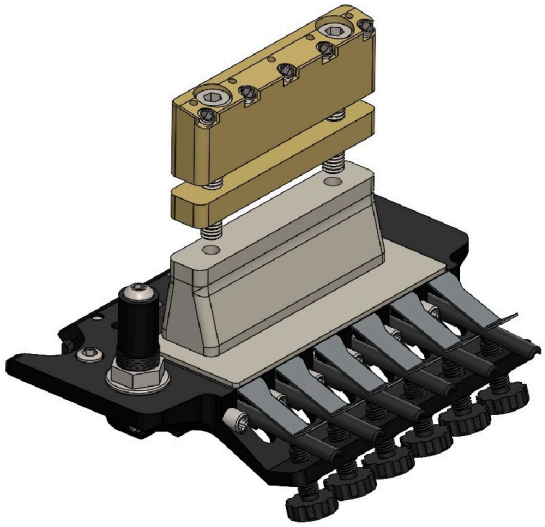


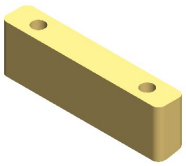
3 **Adjust the height**
Turn the side height screws with the 2 mm hex key. Clockwise raises the nut, counter-clockwise lowers it. Each side is adjusted on its own, so you can set the bass and treble sides to different heights and tilt the nut if you prefer.

SECTION 5

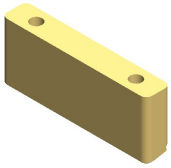
Modular tremolo block

The block has two parts: an integrated top block that always stays on the tremolo, and a brass spring block underneath. Block height is changed by swapping the spring block, without taking the tremolo apart and without shims.

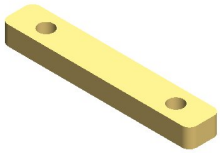




Spring block, 32 mm



Spring block, 37 mm



Extender block, 5 mm

Configurations

Total block height	Configuration
32 mm	Integrated top block + 32 mm spring block
37 mm	Integrated top block + 37 mm spring block *(factory installed)*
42 mm	Integrated top block + 5 mm extender block + 37 mm spring block

> Each spring hole in the spring block has its own spring lock screw. It holds the spring end in place so it cannot move or rattle in the hole.

SECTION 6

Troubleshooting and care

What you notice	What to check	Section
A string slips or goes flat after bending	Is the string pushed fully to the internal stop and the string lock screw tight?	1
The fine tuner runs out of travel	Return the fine tuner to the middle, retune at the tuning machine and relock the nut.	1, 4
The arm is too loose or too stiff	Adjust the side tension screw in small steps.	2
The arm will not go in or feels rough	Loosen the side tension screw fully before inserting the arm. Never force it past its stop.	2
A saddle moved while setting intonation	Follow the order: loosen the lock screw slightly, adjust, then lock again.	3
The intonation screw is loose	Keep its head against the rear of the baseplate with no gap. Never turn it with the saddle fully locked.	3
Strings buzz at the nut or the action is too high	Adjust the locking nut height on the bass or treble side, or both.	4
The tremolo does not return to pitch	Check that the nut and string locks are tight, then inspect the knife edges and the springs.	4, 5

Care

- Wipe the tremolo with a dry cloth after playing.
- When you change strings, look at the knife edges for wear.
- Do not remove the thread compound from the string lock and fine tuner screws.
- Use only Hantug screws as replacements. They are made for these threads.

Spare parts

All screws, the knife edges and the tools in this manual are available in the **Titanium Spare Parts and Service Kit** for the Locking Tremolo Pro at hantug.com.

HANTUG

Designed and machined in Ankara.

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