TITAN

QUICKSTART GUIDE

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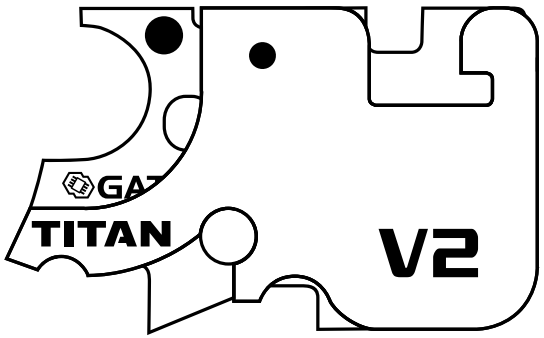
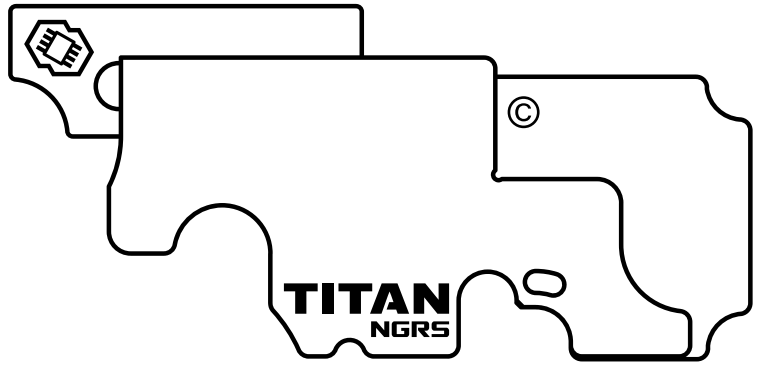

TITAN
V2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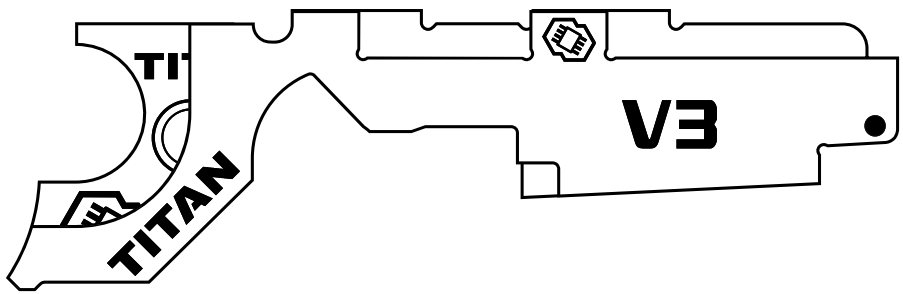
TITAN
NGRS


TITAN
V3

TITAN

Congratulations on your new TITAN, an AEG Control System which will transform your airsoft gun into an advanced training weapon. Designed for enthusiastic airsoft players, the TITAN with its multiple functions encourages you to push your boundaries and play at your best.

Firmware Editions

The TITAN is currently available in two firmware editions: BASIC and ADVANCED. In the future, the EXPERT edition will be also available.

BASIC

The best for those who prefer simplicity but require highest quality. Economic version with limited number of functions.

ADVANCED

The best for those who like complex solutions. Advanced version with wide variety of functions. It enables access to the Statistics and TITAN World Rankings.

Notice

In order to upgrade your TITAN firmware from BASIC to ADVANCED, you need to purchase the upgrade. Follow the steps on the website: *www.gatee.eu/editions*

TITAN™ Firmware edition	BASIC	ADVANCED
Fire selector mode	3 modes	6 modes
Trigger sensitivity adjustment	✓	✓
Cycle detection	✓	✓
Burst	3-round	2 / 3 / 4 / 5 / 8 / 10-round
Burst mode	FULL	FULL / TRIGGER
Pre-cocking	✗	✓
ROF control	✗	✓
Sniper delay	✗	✓
Battery protection	✓	✓
Low battery warning	✓	✓
Equalizer	✗	✓
AUG mode	✓	✓
Manual active brake settings	✓	✓
Statistics & rankings	✗	✓
Diagnostics	✓	✓
Firmware update	✓	✓
Firmware upgrade	One-time payment for higher edition	

Safety Summary

For your safety, we recommend that this product should be installed by an experienced airsoft service. Please read the safety information below carefully before installing the device.

Warning

Situations that could cause injury to yourself and others.

Caution

Situations that could cause damage to your device or other equipment.

Notice

Notes, usage tips, or additional information.

Warning

Incorrectly connecting positive and negative battery terminals will cause immediate damage to the device and it can lead to fire.

Warning

Stay careful to prevent short circuiting the battery as the consequences can be very dangerous.

Warning

Too high trigger sensitivity might cause accidental shooting.

Warning

When an airsoft gun is not in use, its magazine must be detached or kept empty with no BBs inside.

Warning

Before starting installation process, please ensure that your AEG is empty and there are no BBs inside.

Warning

Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Notice

We suggest to use an additional fuse between the battery and the device.

Notice

Do not remove the device cover.

Notice

Avoid using your device around strong electromagnetic fields or when electrostatic discharges such as lightening occur in the atmosphere.

Notice

The Product Warranty Form is available on our website:
www.gatee.eu/warranty

Programming via GCS

Notice

You need USB-Link and USB cable to connect TITAN with GATE Control Station.

Caution

Prevent the USB-Link and the ends of USB cable from contact with conductive materials (e.g. dust, liquid, metal powder).

Notice

Do not remove the device cover.

1. **Download and install GATE Control Station:**
   www.gatee.eu/gcs

Notice

Your Android device must support OTG technology to run GATE Control Station app.

2. **Connect the USB-Link to PC, MAC or smartphone using USB cable. The dedicated cables:**

PC

USB-A Cable for USB-Link

Smartphones

Micro-USB Cable for USB-Link

USB-C Cable for USB-Link

Notice

The Micro-USB Cable has the same connectors on both sides. However, it is very important to which end of cable you connect the USB-Link and smartphone. It will not work reversely.

Notice

If your USB-Link cannot be detected, please follow instructions from GATE Control Station screen.

3. **Connect TITAN to USB-Link.**

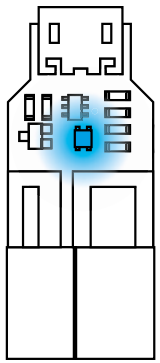
Notice

If USB-Link cannot detect TITAN please check if there is the same issue with another PC, MAC or smartphone. If the problem still occurs, please contact us at *titan@gatee.eu*

4. **Now you can control TITAN via GATE Control Station.**

USB-Link Troubleshooting

USB-Link has a 4-colour LED indicator.

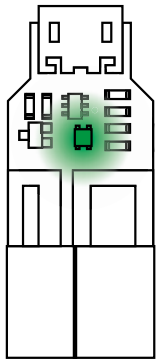


BLUE (glowing)

The USB-Link is connected to a PC or smartphone.
TITAN is not connected or a PC driver is not installed.
You can download the driver here:
www.gatee.eu/drivers

BLUE (blinking)

The USB-Link does not have an installed firmware. Please install the firmware.

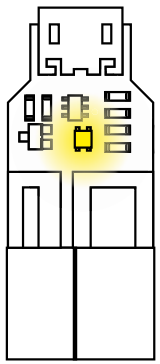


GREEN (glowing)

The USB-Link is connected to TITAN and PC, MAC or smartphone.

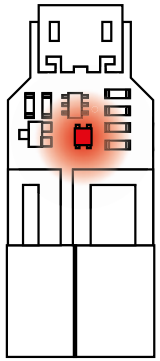
GREEN (blinking)

The USB-Link is connected to TITAN and PC, MAC or smartphone, but the TITAN does not have an installed firmware. Please install the TITAN firmware.



YELLOW (glowing)

The USB-Link is transmitting data.



RED (glowing)

Communication with the TITAN was interrupted while saving settings. The TITAN settings may be transmitted incorrectly. Please check the connection between the USB-Link and the TITAN.

Installation

1. **Watch the installation video:**
   www.youtube.com/gatemovies

2. **Learn more about TITAN from the detailed instructions in the full-length user manual at** *www.gatee.eu/manuals*

Notice

Please do not attempt to mount the device before watching the installation video and checking the full-length pdf manual.

Notice

To avoid TITAN damage, regardless of your previous experience, please check all the cautions.

Notice

TITAN installation requires deep technical knowledge of gearbox internals. To avoid TITAN damage, we recommend that it should be installed by an experienced airsoft service.

Caution

The incorrect installation may result in sensors' damage what is not covered by the warranty.

Caution

Connectors should be bent according to the photo below. Bending connectors in the opposite direction may cause them to break.

Notice

TITAN V2 and V3 do not support the Infinite torque-up gears.

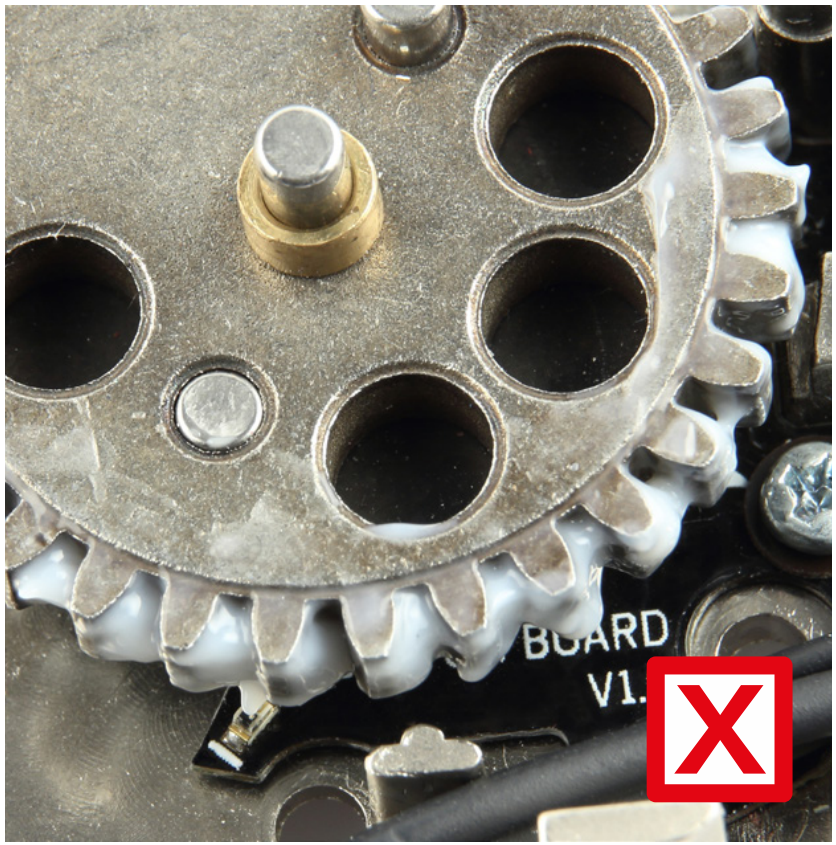
V2 ☒

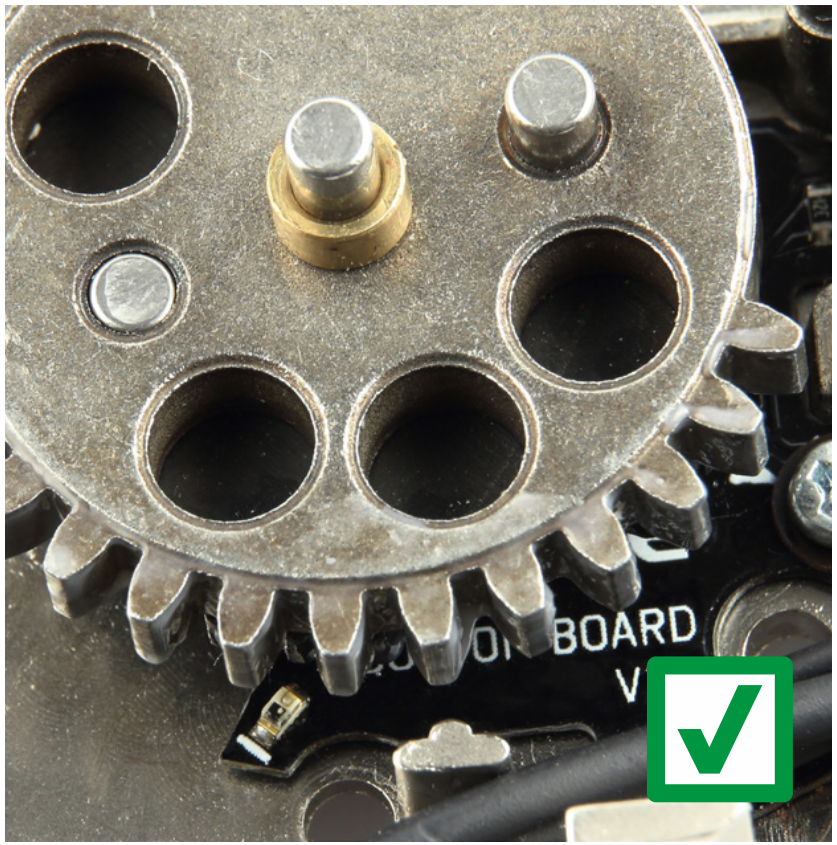
V3 ☒

V2 NGRS ☑

Notice

Do not use too much grease. Excessive grease may cover gaps between teeth what will cause improper cycle detection.





Notice

After connecting the device for the first time, you should:

1) download the most updated version of GATE Control Station
2) make the firmware update
3) configure the gear type (if your gears are not stock)

Notice

TITAN V3 and TITAN V2 NGRS require first-time calibration of sensors what can be performed only with USB-Link.

Notice

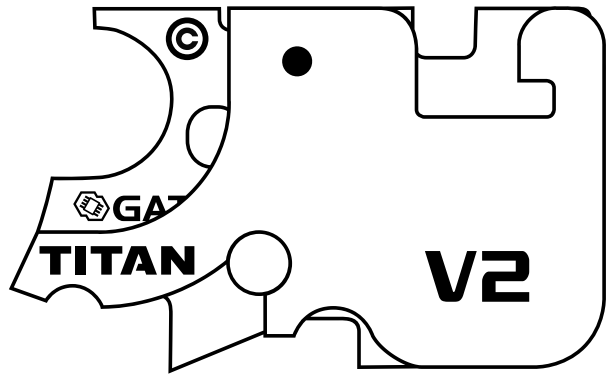
In case you have any difficulties while installing or using this product, we recommend to:

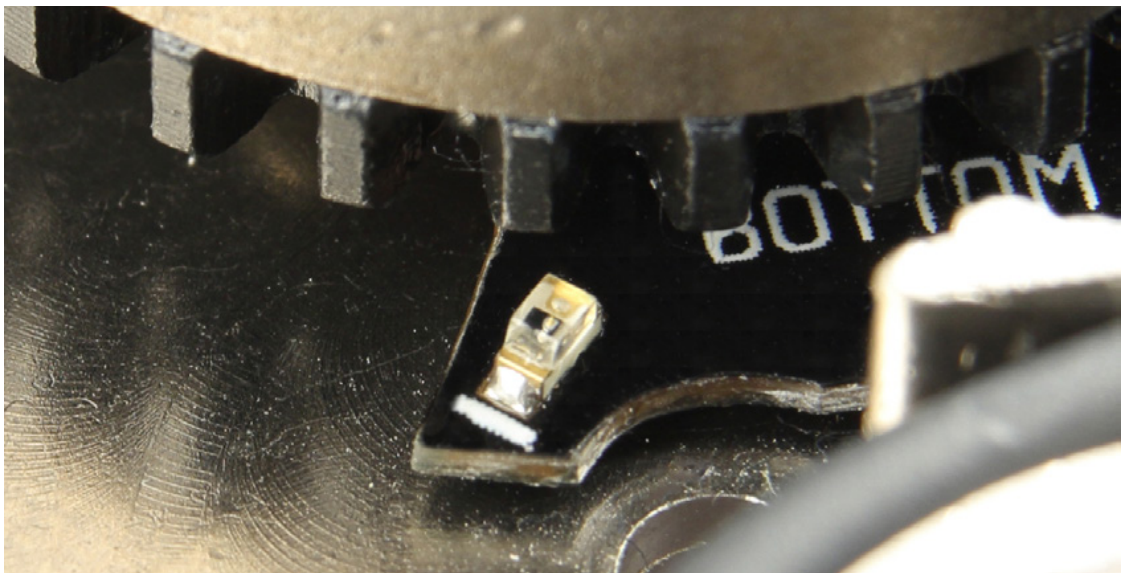
a) email us at *titan@gatee.eu*
b) contact us via Facebook: *www.facebook.com/gatee*
c) call (+48) 122-100-523

TITAN V2

Caution

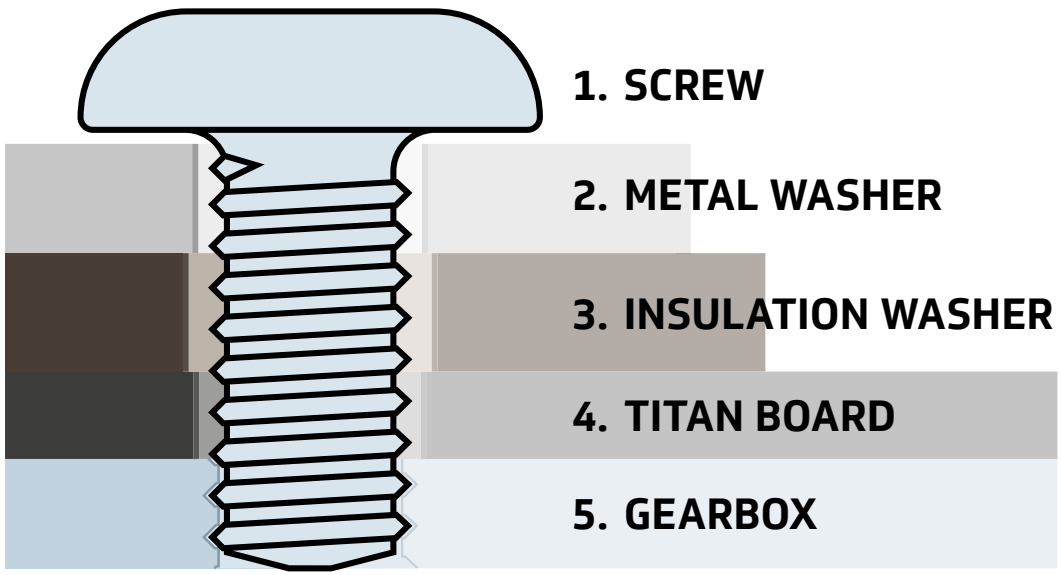
A sector gear can damage a gear sensor during installation. Stay careful to avoid this damage.

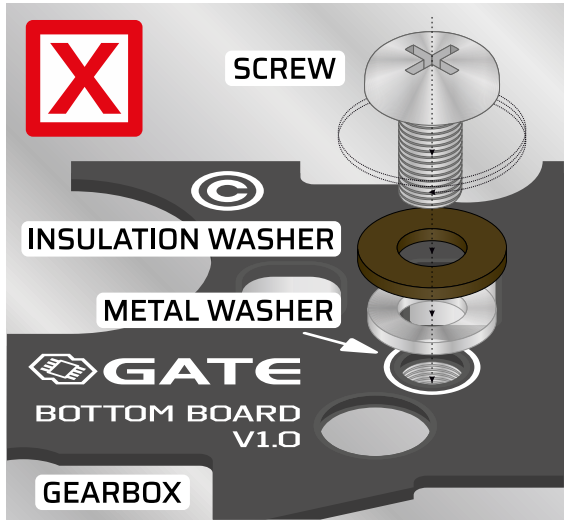


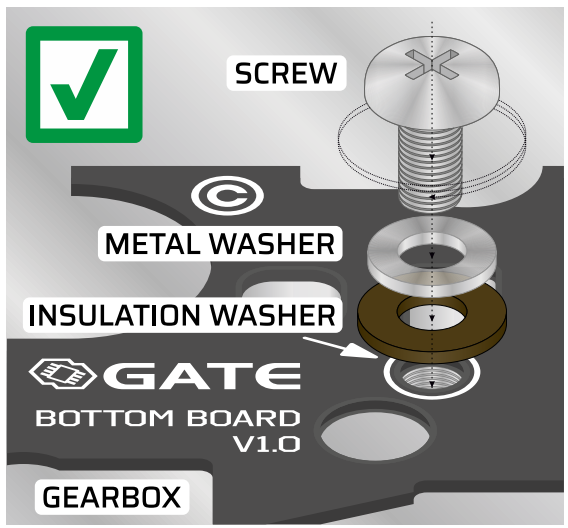


Caution

Placing the washers in wrong order will cause short circuit and permanent damage to the TITAN, which is not covered by the warranty.

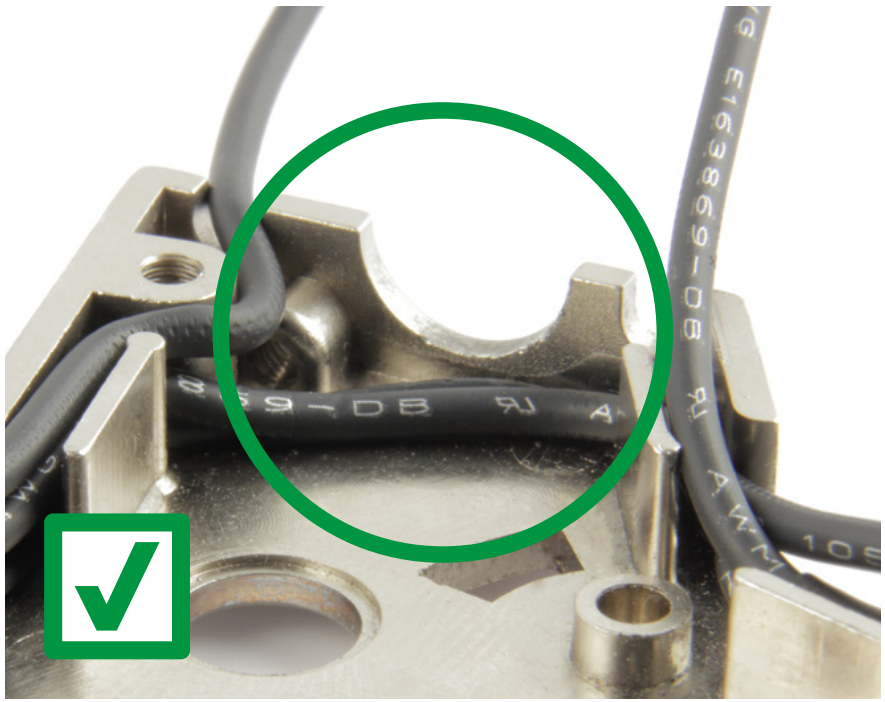






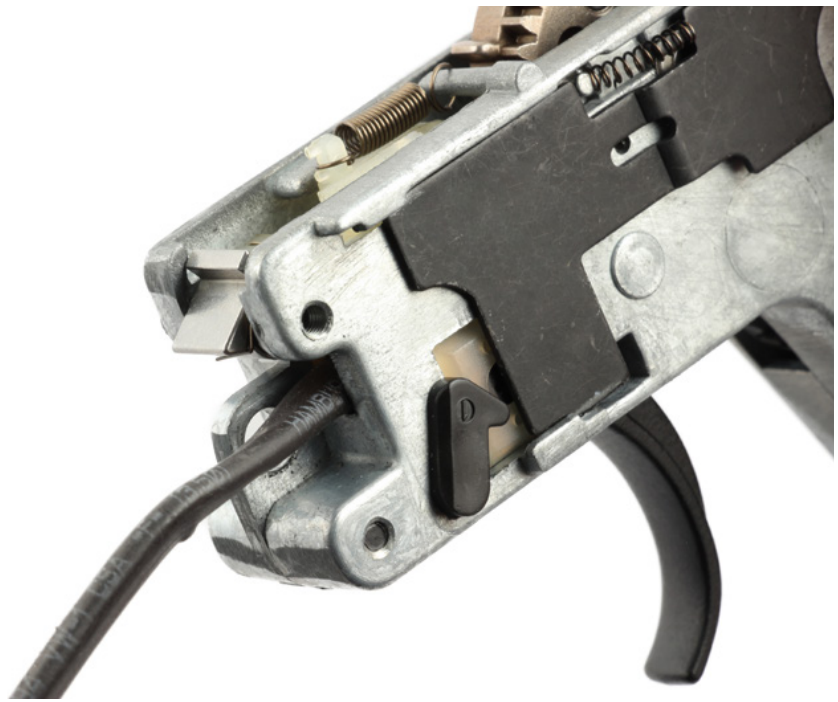
Caution

The improper placement of wiring under motor gear can cause insulation damage and a short circuit.



Caution

ICS gearboxes require modification to avoid TITAN damage.

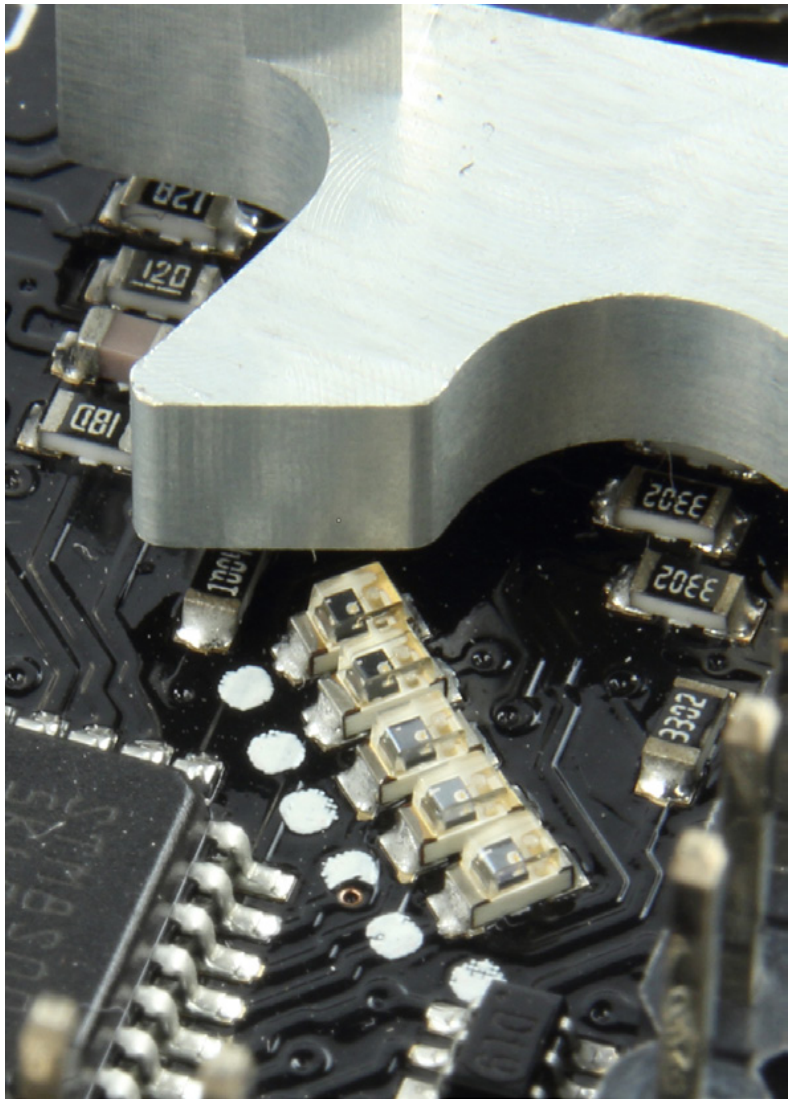


Caution

Do not pull the trigger when gearbox is open. It may result in trigger sensors' damage.

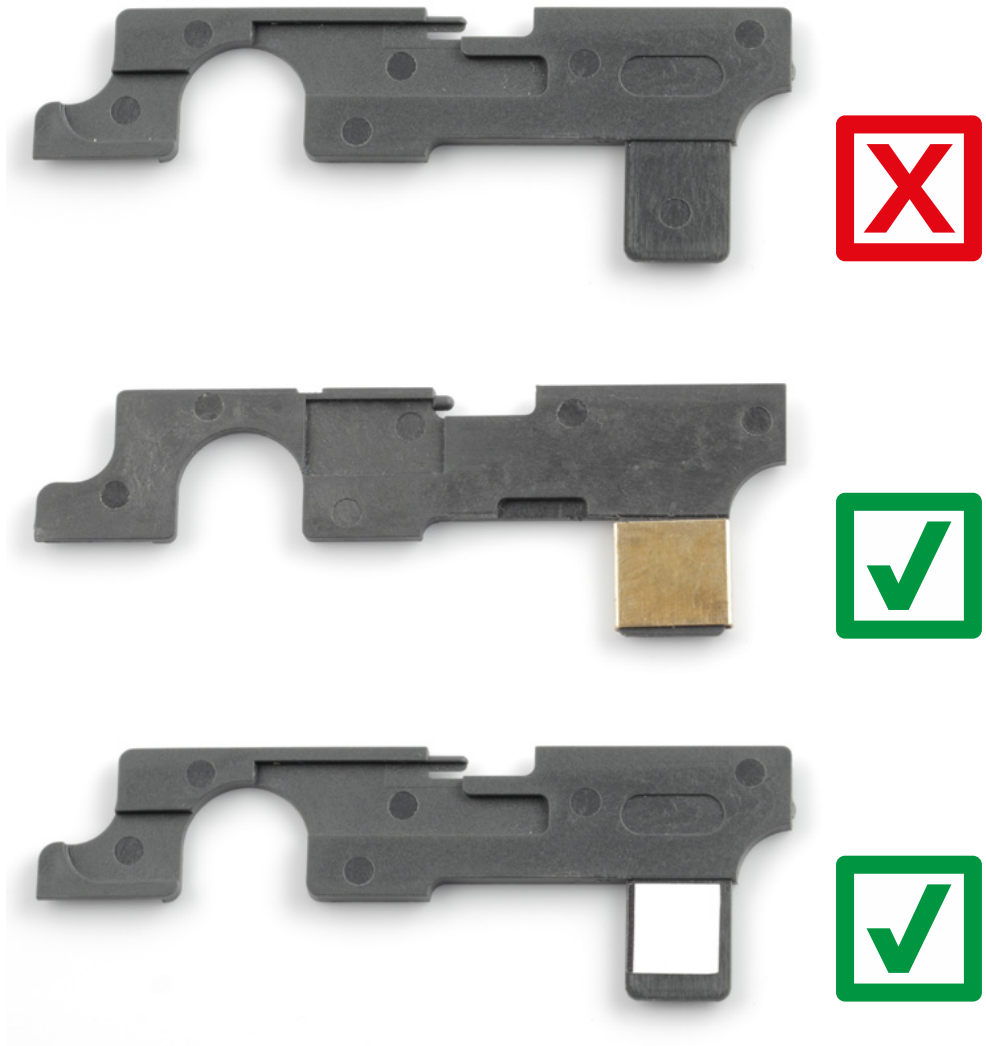
Notice

In case of some triggers (e.g. speed or CNC triggers), first trigger sensors might be covered even when the trigger is not pulled.



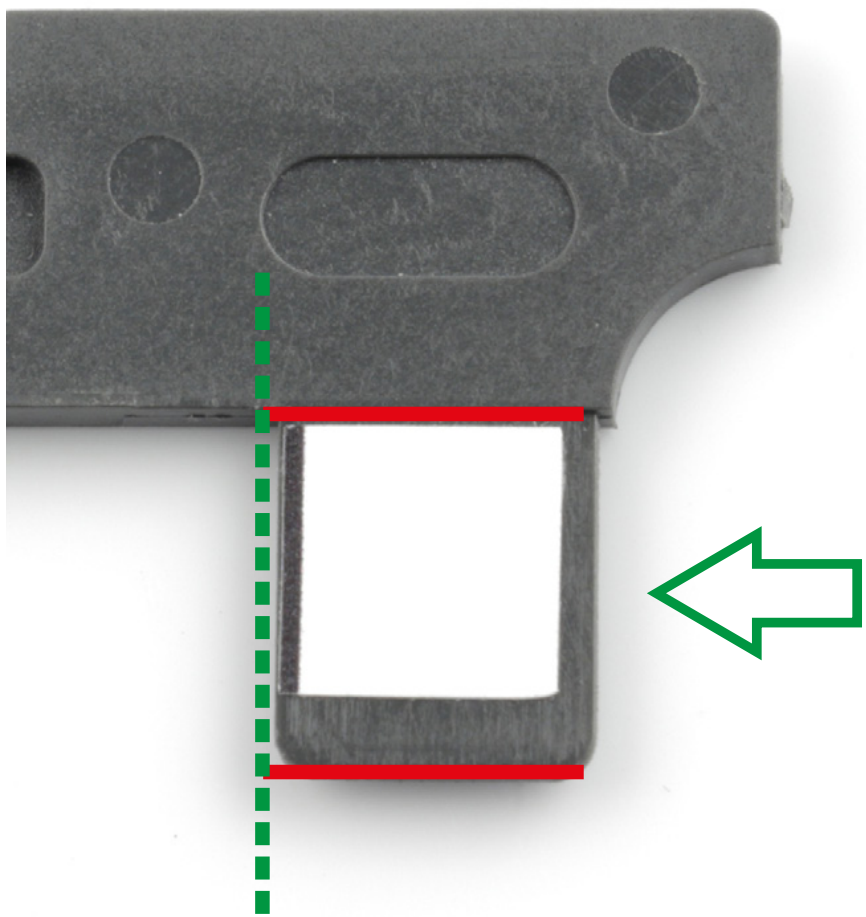
Notice

A selector sensor does not detect black surface. If your selector does not have metal connector, you must use sticker from the kit.



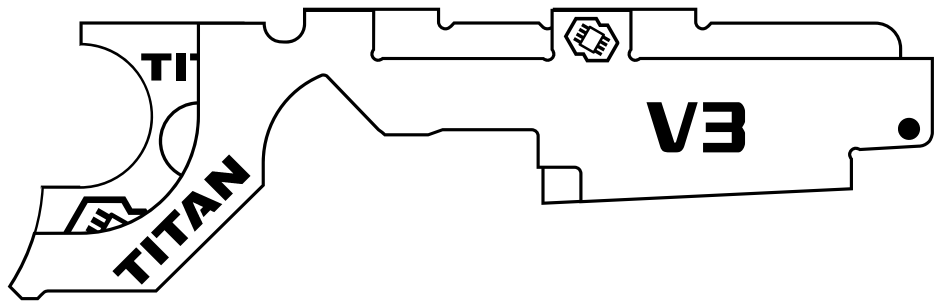
Notice

The sticker position is very important. Pay attention to place the sticker **very close to the left edge**, between the top and bottom red lines.



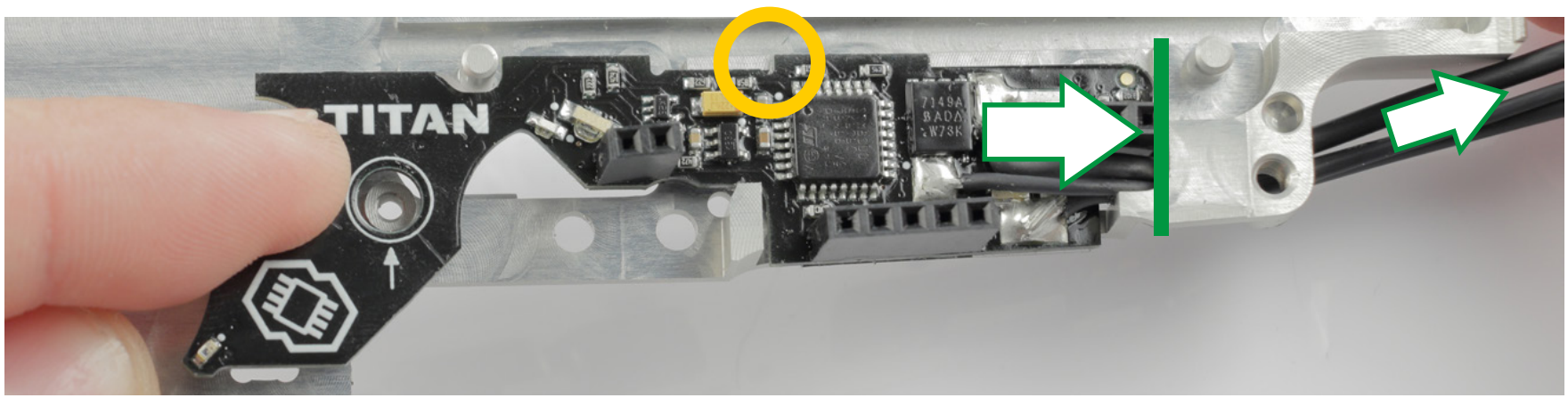
The set contains 3 different sticker types. At first, use the sticker with narrower black line. If you are not able to calibrate selector well, you should try other stickers.

TITAN V3



Notice

The TITAN V3 fits CNC gearboxes with very small backlash. While fitting the TITAN, pull the cables and at the same time push the board into the right place. Pay attention to the area marked in yellow to fit the board correctly.

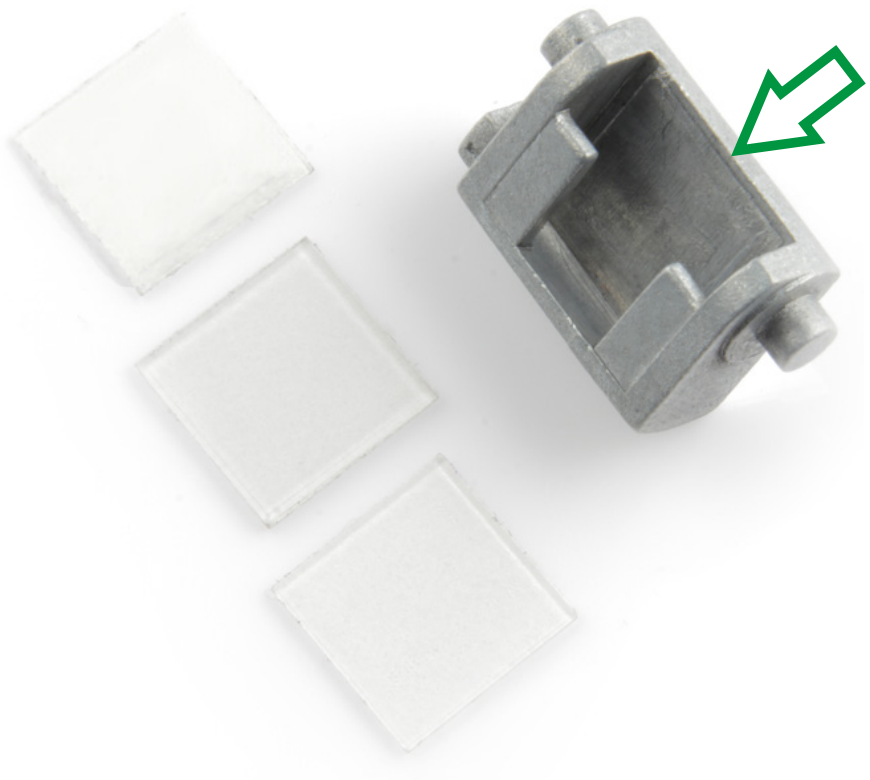


Notice

Use the trigger sticker to make it visible for trigger sensor.

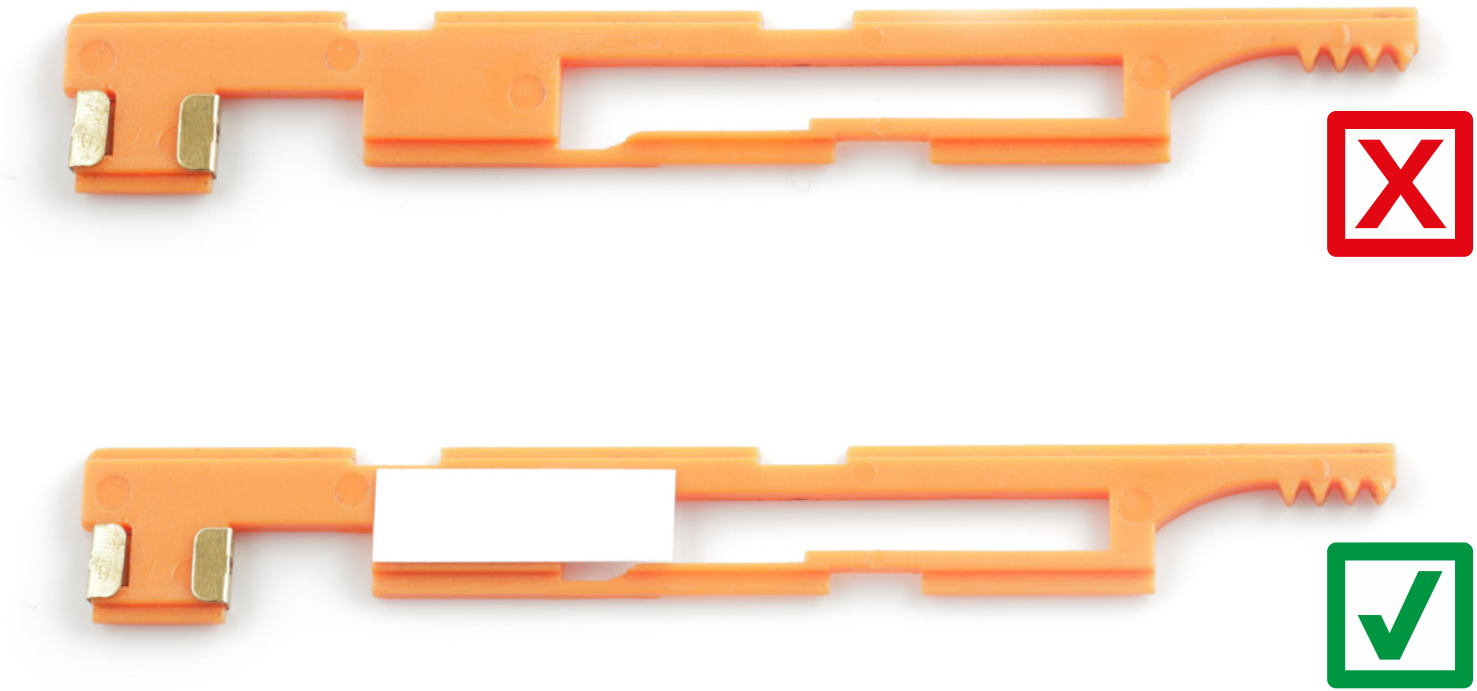
Notice

TITAN detects trigger position very precisely. In order to use it, you need to eliminate trigger backlash. The set contains 3 trigger anti-backlash stickers of different thickness. Try each of them and choose the most proper one.



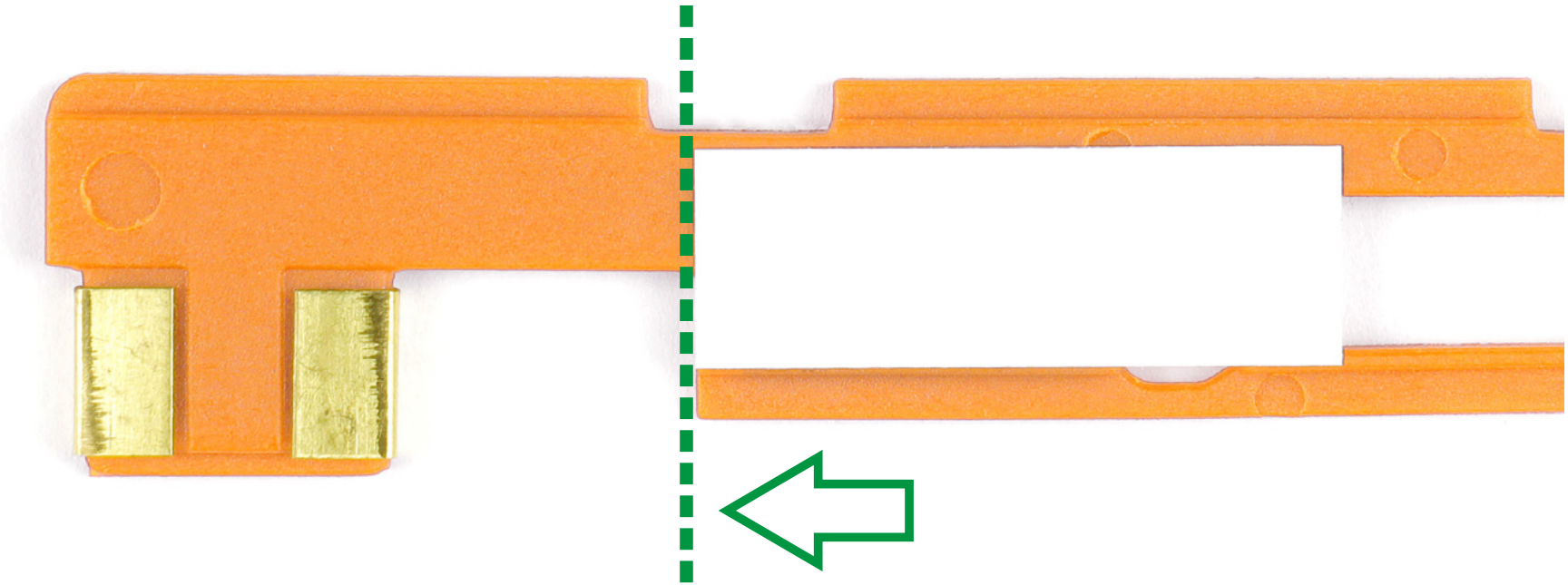
Notice

The selector plate requires modification. Place the selector sticker according to the photos below.



Notice

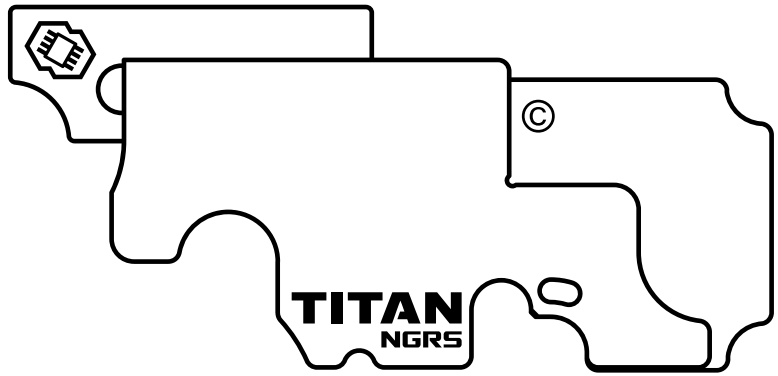
The sticker position is very important.



TITAN V2 NGRS

Warning

If you use recoil system and set too high trigger sensitivity, it might cause accidental shooting even without pressing the trigger.

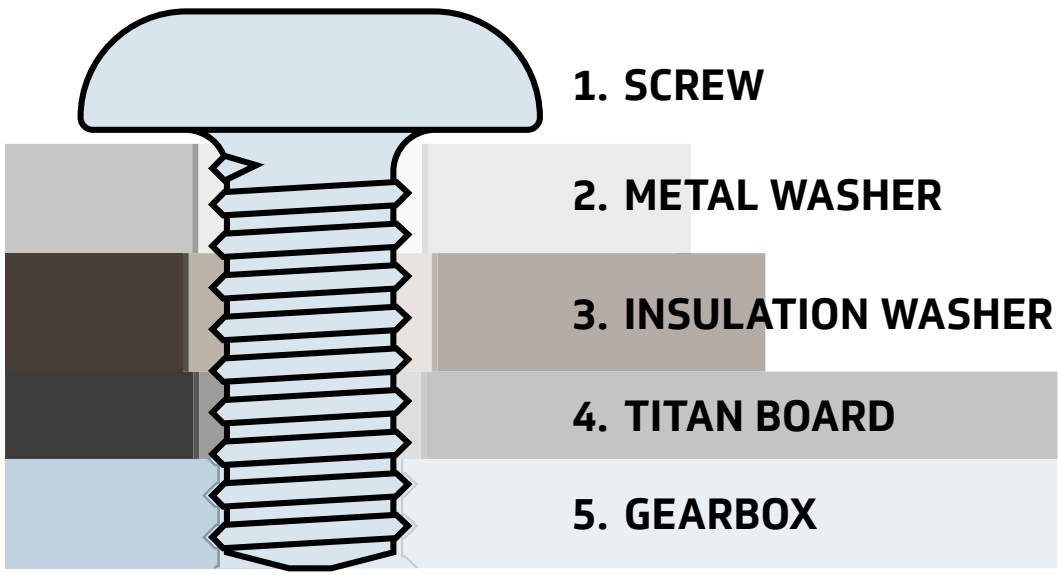


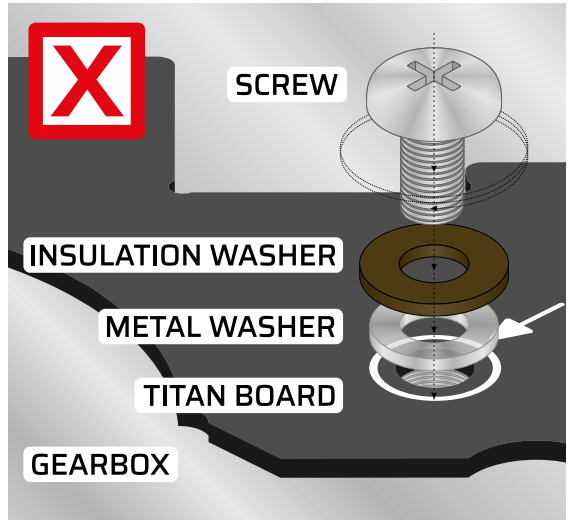
Warning

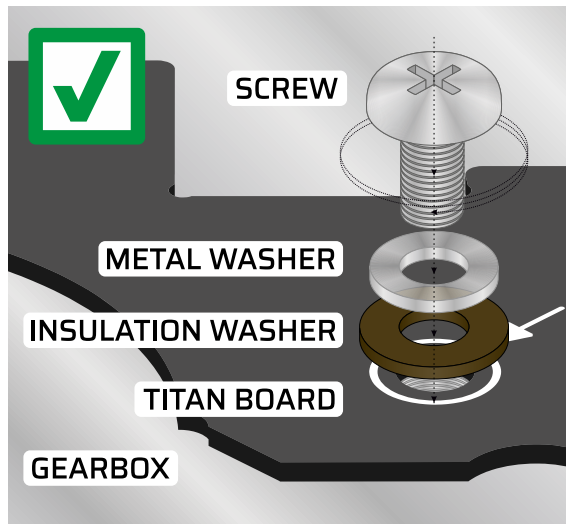
Pay attention to correctly solder positive and negative TITAN wires to the connector. Otherwise, after plugging the battery, the incorrect soldering will cause immediate damage to the device.

Caution

Placing the washers in wrong order will cause a short circuit and permanent damage to the TITAN, what is not covered by the warranty.





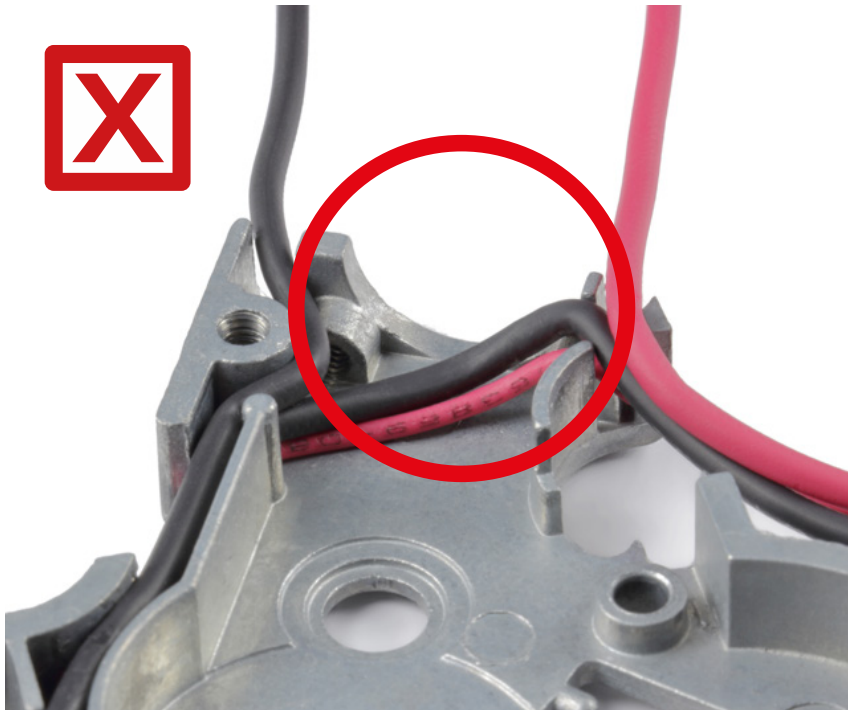


Caution

Do not use a cut-off lever screw to secure the TITAN board.

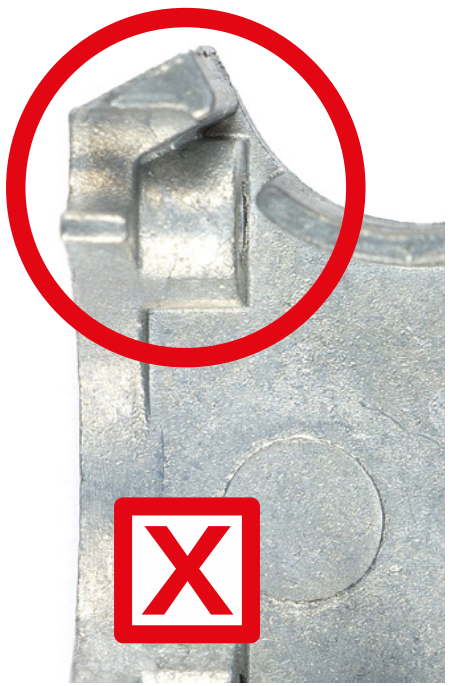
Caution

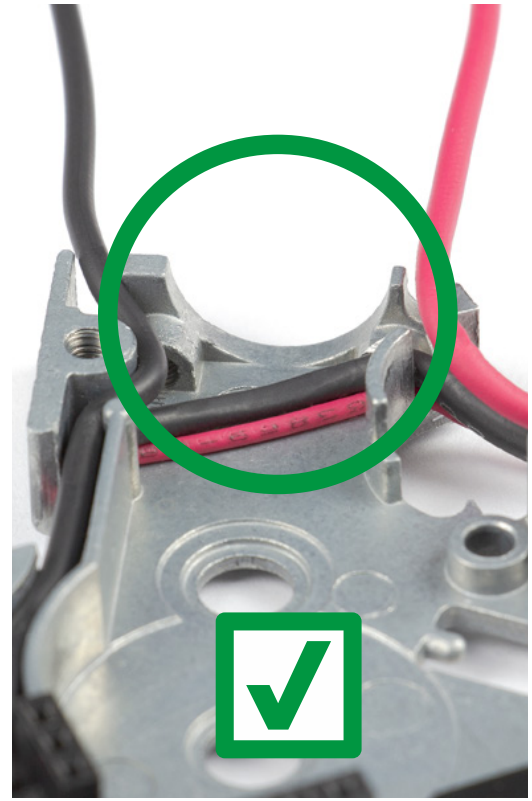
The improper placement of wiring under motor gear can cause insulation damage and a short circuit.



Caution

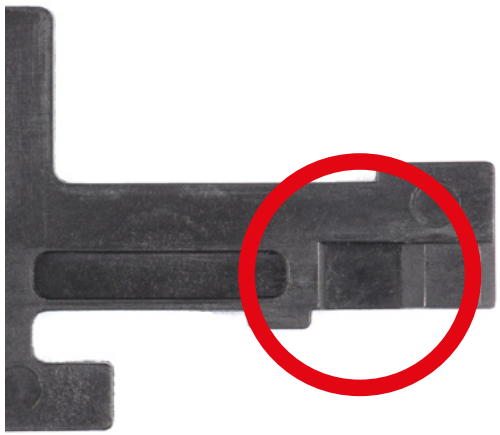
In order to secure the wires properly we recommend to perform a gearbox modification as shown in the photos below.

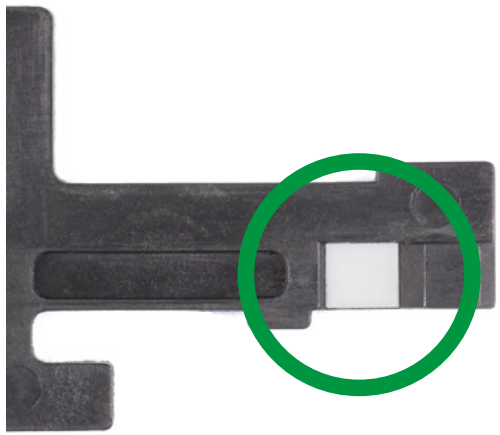




Notice

The selector plate requires modification. Place the selector sticker according to the photos below. The sticker position is very important.





Legal Notice

Please read the Legal Notice before operating your device and keep it for future reference.

This document contains important terms and conditions with respect to your device. By using this device, you accept those terms and conditions.

EXCLUSION OF LIABILITY

GATE Menet, Wojtak Sp. J. is not liable for any damages, injuries or accidents of any kind resulting from the use of this product or airsoft gun with the product installed, including (but not limited to) incidental or special damages to airsoft gun, airsoft gun parts, batteries and gearbox internals.

DISCLAIMER

GATE Menet, Wojtak Sp. J. takes no responsibility regarding compliance of the product with the requirements of any law, rule or airsoft restrictions pertaining thereto.

INTELLECTUAL PROPERTY

Intellectual Property owned by GATE Menet, Wojtak Sp. J., including but not limited to, devices, accessories, parts, software, documentation, is proprietary to GATE Menet, Wojtak Sp. J. and protected under Polish laws, EU laws, and international treaty provisions. You may not violate the rights of the Intellectual Property and you will not prepare derivative works of or reverse engineer the device or software. No ownership in the Intellectual Property is transferred to you.

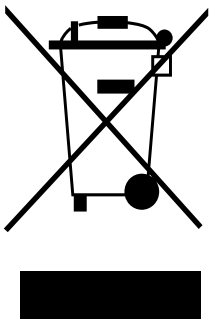
GATE LIMITED WARRANTY POLICY

GATE Menet, Wojtak Sp. J. warrants that its Product is free from manufacturing and material defects at the date of purchase and for a period of one (1) year from the date of purchase and it is non-extendable. This Limited Warranty is conditioned upon proper use of Product by Purchaser.

1. This Limited Warranty is valid provided that the owner provides a proof of purchase and properly completed warranty form.

2. This Limited Warranty does not cover: (a) defects or damage (e.g. mechanical, thermal or chemical) resulting from accident, misuse (misinterpretation of the instructions), abuse, neglect, unusual physical, electrical or electromechanical stress, water immersion, repairs or structural modification of any part of Product, or (b) the Product that has the serial number removed or made illegible; (c) defects or damage from improper operation, maintenance or installation, (d) installation of the products.

3. Requests for warranty are processed as soon as possible, not exceeding seven (7) working days. The company's obligation under this Limited Warranty shall be limited to providing replacement of part/s only.



PRODUCT DISPOSAL INSTRUCTIONS

The symbol shown here means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household and commercial waste at the end of its working life. The Waste of Electrical and Electronic Equipment (WEEE Directive 2012/19/U) has been put in place to recycle products using best available recovery and recycling techniques to minimize the impact on the environment. Purchasers shall take any old electrical equipment to waste recycling public centers or points of sale.

CE

RoHS
2011/65/EU

CERTIFICATE OF CONFORMITY

GATE Menet, Wojtak Sp. J. hereby declares under our sole responsibility that the products GATE TITAN V2, GATE TITAN V3, GATE TITAN V2 NGRS and GATE USB-Link are in conformity with the essential requirements of the following Directives: EC DIRECTIVE 2011/65/EU. The products have been certified as RoHS Compliant.

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