



THANK YOU FOR CHOOSING ANOTHER WAY!

For the sake of your safety and proper use of the product, please read this manual
before using TAU PEDALS.



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CHECKLIST		
ELEMENT	DOUBLE SET	TRIPLE SET
Clutch	0	1
Throttle	1	1
Brake	1	1
Main controller	1	1
Direct Controller DCV2	1	1
Connecting cables	2	3
Main cable	1	1
H5 and H4 Allen wrench set	1	1
Wrench 10/13	1	1
User manual for TAU PEDALS	1	1

1. **Warning**

To ensure your safety and the safety of others while using TAU PEDALS, please follow the guidelines below:

- ✓ NEVER play the pedal set without proper footwear. It is FORBIDDEN to play barefoot or wear only socks, flip-flops, etc.
- ✓ NEVER use pedals that are not properly and firmly attached;
- ✓ The TAU PEDAL SET is not intended for children under the age of 15;
- ✓ The product contains small parts that, if swallowed, may cause choking, and injuries, and even death in young children. Be especially careful when using small parts and keep them away from children;
- ✓ Connect the product to certified computers only;
- ✓ Connect the product to a computer's USB port with a USB cable. The USB cable and plug must not have any signs of destruction, damage, broken cable cover and breach of the plug;
- ✓ Unplug the product if you are not be using it for a long time;
- ✓ DO NOT modify the product, in case of malfunction, please contact the manufacturer;
- ✓ DO NOT try to repair the product.

2. Notes

Remember that you or your accompanying person / s should never put your fingers and other parts of the body in the following places while playing TAU PEDALS:

- ✓ to the sides of the pedals;
- ✓ to the back of the pedals;
- ✓ to the front surface of the pedal levers;
- ✓ wherever there is a possibility of clipping and / or injury to the body.

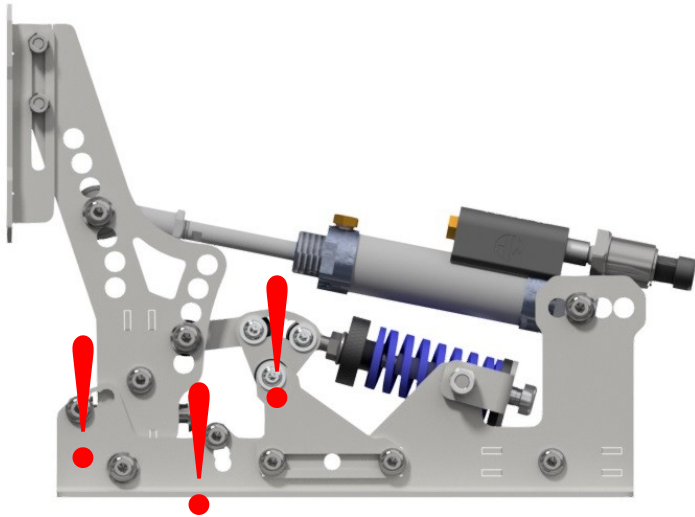



Fig. 1. Sensitive places in the pedals, where it is forbidden to insert fingers and other parts of the body



The product is completely safe when used for the purposes for
which it was.

**ANOTHER WAY IS NOT RESPONSIBLE FOR
ANY INJURY, WHICH COULD OCCUR, DURING
MISUSE OR USE OF THE PEDALS.**

3. Pedal dimensions

The drawing shows dimensions of all pedals (brake, throttle, clutch) with mounting holes. All dimensions are shown in [mm].

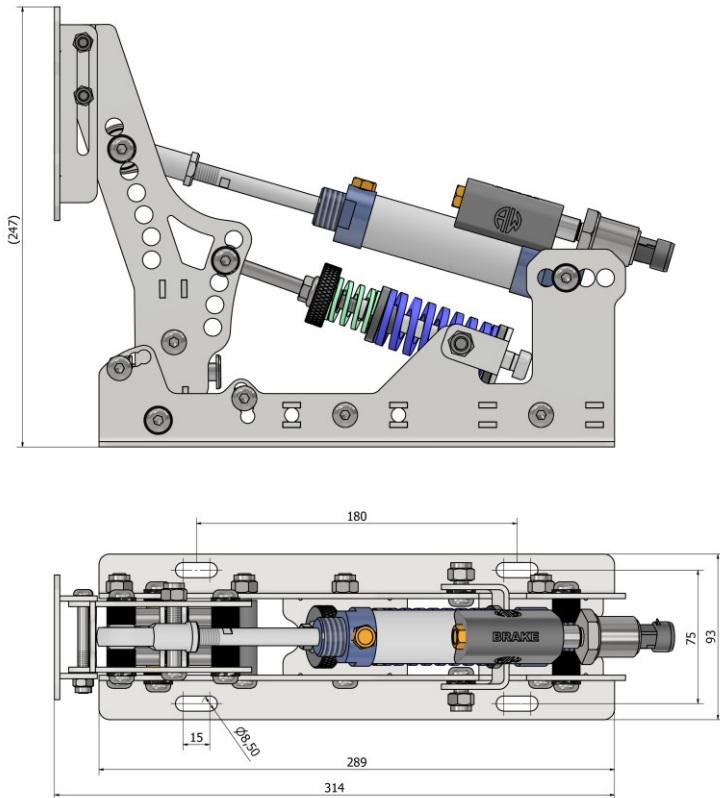


Fig. 2. Dimensions of the pedal with mounting holes

4. Pedal adjustment

4.1 Changing bumpers and the angle of the pedal lever

To change the angle of the pedal lever, there are two stops with a four-level position scale. Bumpers positioned in the outermost holes allow for a maximum deflection of 25° during pedal operation [Fig. 3]. Changing the position of the front bumper from the extreme position by one mounting hole reduces the deviation by 8° , in the case of changing the position of the rear bumper - by 6° .

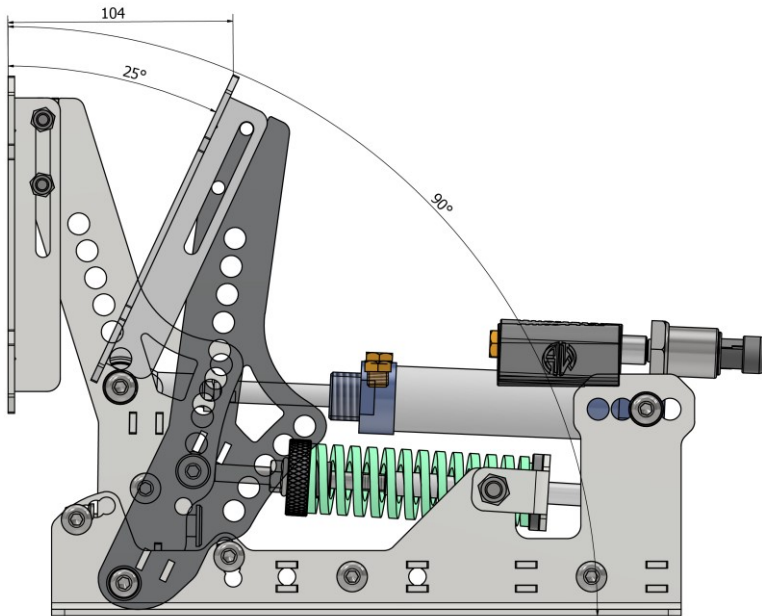


Fig. 3. Maximum swing angle of the pedal lever

Changing the angle of the lever for all pedals is done in the same way and to do this you need to:

- ✓ loosen the compression spring by unscrewing the knurled knob by hand so that the spring does not put pressure on pedal levers [Fig.4];

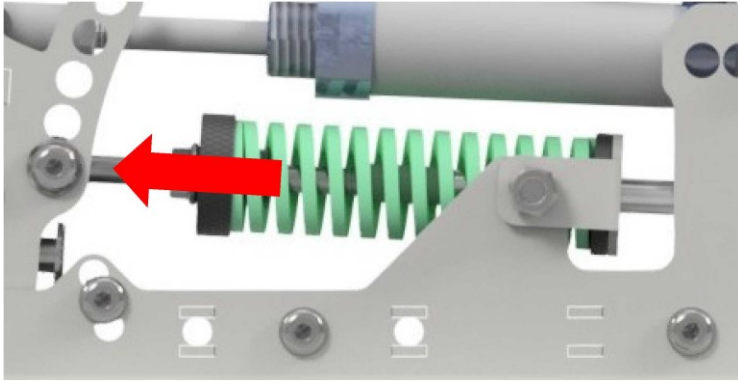


Fig. 4. Direction for loosening the knurled knob

- ✓ unscrew the screw securing the bumper with H5 and 13 wrenches;
- ✓ place it in the right place and tighten the screw so that it does not press against the pedal lever. Too much tightening of the bumper screw will result in unfavourable friction of the elements;
- ✓ do the same for the second bumper.

ATTENTION, the rear bumper should be set so that when the pedal lever is fully depressed, the piston reach is limited by the bumper, i.e. the piston is not pressed down to the end of its range. This procedure protects the piston against excessive wear.

4.2 Changing the position of the compression spring

To ensure a comprehensive range of adjustment, a five-stage range of changing the position of the compression spring has been designed. This translates into a wide range of combinations of spring settings and force adaptation to individual needs. The spring mounted at the highest point of the five-point scale is characterized by the highest resistance force, while when positioned at the lowest hole, it presents the lowest resistance force.

To correctly reposition the compression spring, proceed as follows:

- A. loosen the compression spring by unscrewing the knurled knob by hand [Fig.4], so that it does not press against the pedal levers;
- B. using H5 wrenches carefully unscrew the clamping screw [1], remove the second clamping screw with the sliding sleeve [2] and two positioning sleeves [3];
- C. move the eyebolt that fastens the spring to the chosen height and screw it in keeping the correct sequence of elements [Fig.5].

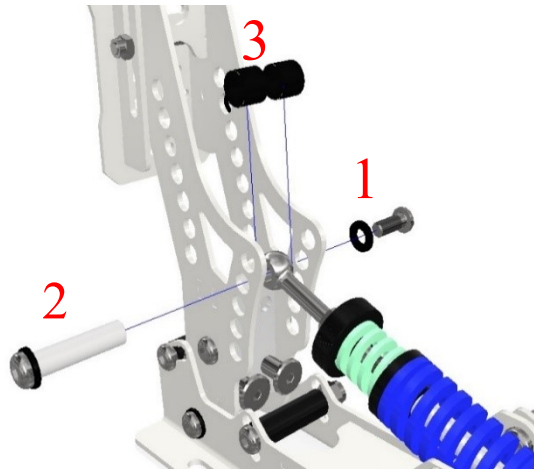


Fig. 5. Sequence of elements fastening the compression spring

4.3 Adjustment of the compression spring with the knurled knob

For precise adjustment of the spring resistance force, a knurled knob has been installed, which allows the spring to be compressed or loosened, as a result of which we can freely manipulate the spring resistance force. This operation should be performed after point 4.2.

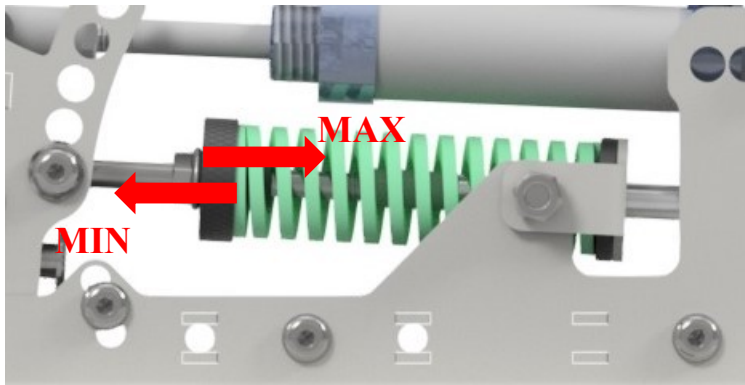


Fig. 6. Direction of adjustment of the compression spring with the knurled knob

4.4 Repositioning the piston

To ensure a wide range of changing the position of the piston, a seven-step adjustment scale has been prepared in the pedal lever. Such an applied solution allows to obtain a large range when adjusting the resistance force. By fixing the piston head in the highest hole, we will obtain the highest resistance force, while selecting the lowest point will result in the lowest resistance force.

A large selection of fasteners allows for a wide adjustment of all quality parameters and comfort during use.

To correctly change the position of the piston, follow the recommendations:

- A. loosen the compression spring by unscrewing the knurled knob by hand so that it does not press against the pedal levers [Fig. 4];
- B. using H5 wrenches carefully unscrew the clamping screw [1], remove the second clamping screw with the sliding sleeve [2] and two positioning sleeves [3];
- C. move the piston head to the desired height and screw it on in the correct sequence of elements [Fig.7]

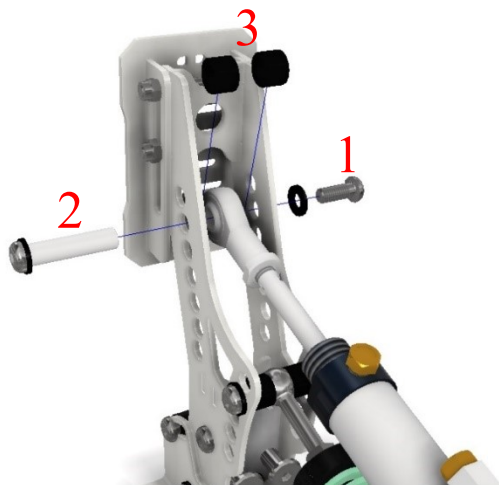


Fig. 7. Sequence of fasteners of the piston head

4.5 Repositioning the piston base

We can change the position of the piston base on a four-stage level. This adjustment depends on the previously selected angle of inclination of the pedal lever and the selected height of the mounted piston head. The base hole should be selected from four available, so that the piston is operated in a wide range of work, while remembering that when using it, it is not pressed to the end of its range. For this purpose, it is necessary to correctly set

bumpers, point 4.1, which, apart from limiting the range of operation of the pedal lever, also serve to protect the piston. This treatment is to prevent excessive and premature wear of the piston, at the same time this element will not deteriorate quality of use.

To change the piston base mounting, follow the instructions:

- A. using H5 wrenches carefully unscrew the clamping screw [1], remove the second clamping screw with the sliding sleeve [2] and two positioning sleeves [3];
- B. select the appropriate mounting hole;
- C. screw in the correct sequence of elements [Fig.8]

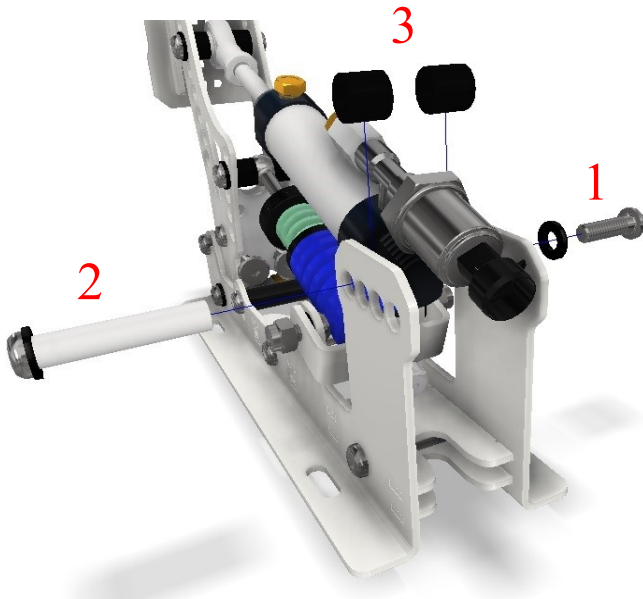


Fig. 8. Sequence of fasteners of the piston base

4.6 Changing the position of the foot pedal

Foot position can be changed up / down by loosening the fastening nuts, setting the foot at the desired height and screwing it on. Use the H4 and 10 wrenches for this.

4.7 Summary of adjusting TAU PEDALS

- I Changing bumpers and the angle of the pedal lever
- II Changing the position of the compression spring
- III Adjustment of the compression spring with the knurled knob
- IV Repositioning the piston
- V Repositioning the piston base
- VI Changing the position of the foot pedal

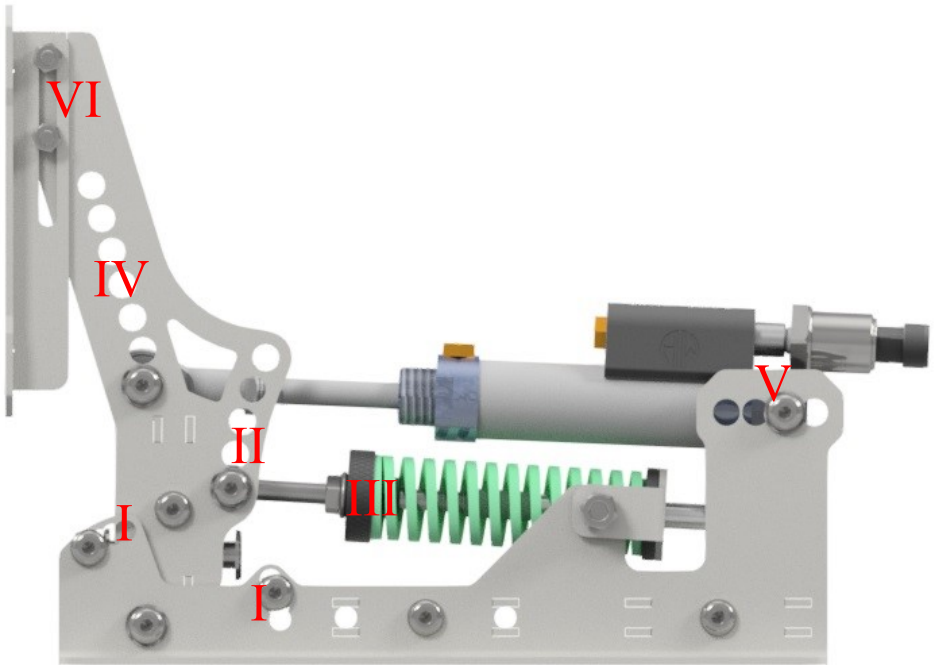


Fig. 9 Pedal with basic adjustment

Please be advised that all adjustable elements in the factory version have been set in the positions recommended by the manufacturer. When changing the factory version to individual settings, remember that due to different mounting positions not all configurations may match. When changing settings, remember to always follow the manufacturer's recommendations.

4.8 Clutch mechanism adjustment

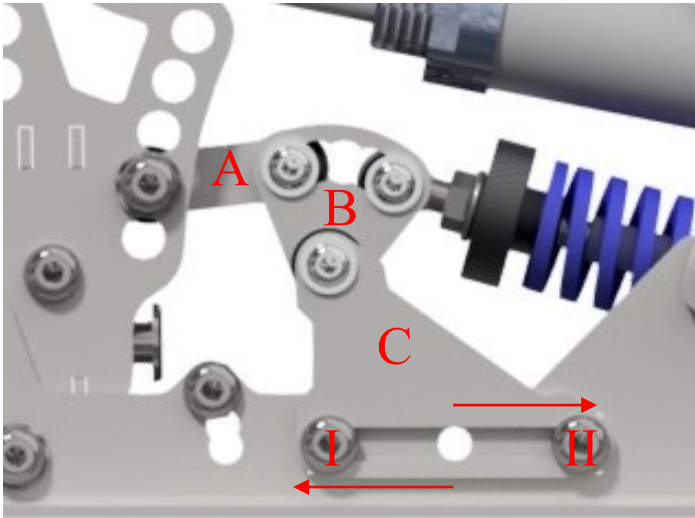


Fig. 10. Clutch mechanism.

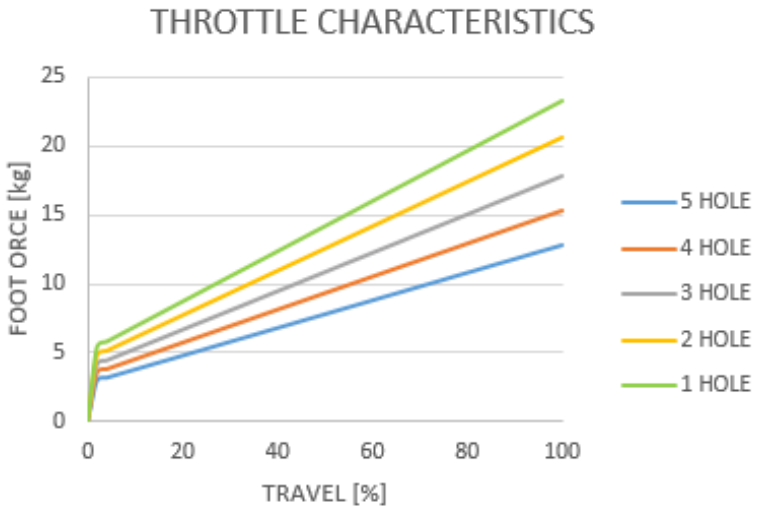
- A. before starting the adjustment, loosen the spring by unscrewing the knurled knob;
- B. unscrew the three bolts securing levers A and B [Fig. 10];
- C. set lever A to the desired height and screw it on with the mounting bolt, then adjust the holes in lever B so that the clutch mechanism does not jam when the pedal lever is depressed;
- D. finally tighten the knurled knob.

By mounting lever A at the highest point, we obtain the highest resistance force, while installing it in the fifth mounting hole, we will obtain the lowest resistance force. In [Fig. 10] shows the position of setting the clutch mechanism in the most optimal and effective position. Adjustment of the resistance force can be done by changing the position of levers A and B, but it is recommended that this parameter be adjusted by the position of the piston and the compression spring pressure.

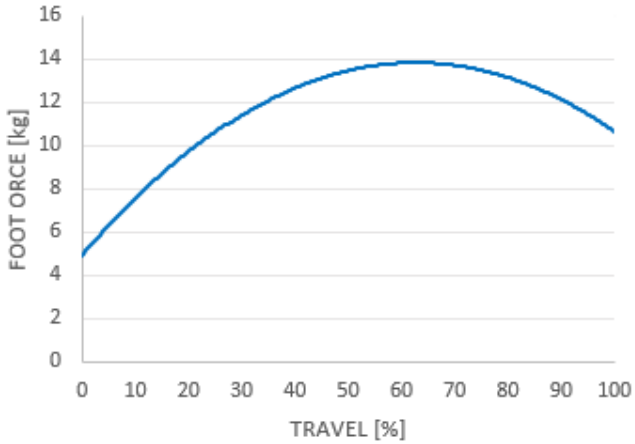
- E. support C is an additional element that can be used to adjust the clutch mechanism [Fig. 10]. To use it, unscrew bolt I or II, then move support C to the left or right side, then transfer the selected bolt I or II to the central hole and screw it on;
- F. position of support C should be selected so that, as in the case of levers A and B, the clutch mechanism does not jam during pedal operation.

5. Characteristics of pedals

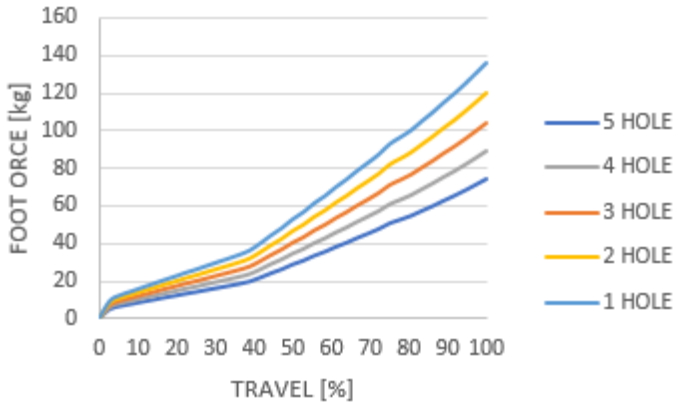
Characteristics of TAU pedals have been prepared on the basis of the relationship between the pressure force and the displacement of the pedal lever. The characteristics are individual for each of the available pedals. TAU pedals, thanks to their design, reflect the characteristics of real pedals, as shown in the diagrams below.



CLUTCH CHARACTERISTIC



BRAKE CHARACTERISTICS



In the case of the brake, the zero point of the graph moves along the x-axis as the knurled knob is tightened, ie. the pressure force for the zero point will change from, for example, 0 kg to 10 kg.

6. Connecting electronics

To start connecting electronics, you need to prepare:

- I. connection cables, of which there are two or three, depending on the type of set;
- II. main wire;
- III. Direct Controller V2 (DCV2) driver;
- IV. main controller.

Connecting cables have two types of plugs, the first plastic in black, the second metal in silver. Each of the pedals has a sensor mounted on its back to which the black plug of the connecting cable should be connected [Fig. 11]. The order in which the wires are connected does not matter.



Fig. 11. Connecting the connecting cord plug to the pedal sensor

The silver plug should be connected to the main controller, according to the symbols on the controller, i.e.

- a) throttle pedal - connect with the plug marked A;
- b) brake pedal - connect with the plug marked B;
- c) clutch pedal - connect with the plug marked C;

After the pedals are properly connected to the main controller, proceed to connecting it to DCV2. To do this, connect the main controller with DCV2 using the main cable with two identical terminals. Connect the main controller configured in such a way to the USB port of the computer with a USB cable (installed in the controller) and proceed to calibration.



Fig. 12. Diagram of connecting the main controller and DCV2

7. Direct Controller V2 (DCV2)

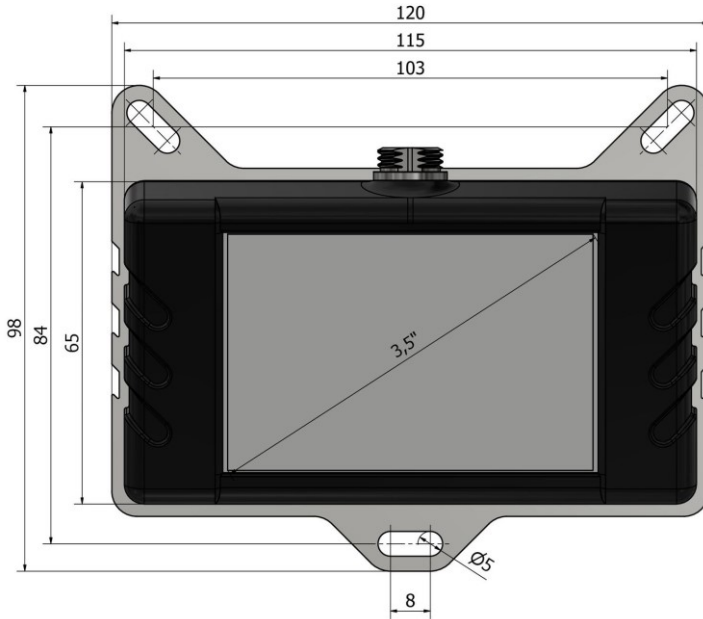


Fig. 13. Appearance of the DCV2 controller with dimensions and mounting holes

DCV2 [Fig.13] is the HMI control panel responsible for TAU PEDALS software. The most important advantage of the panel that distinguishes the controller from similar products (accessories) is the fact that it does not require any additional application. It is itself the software necessary to change the settings of all the characteristic parameters of the pedals that affect the game. The main assumption of the DCV2 is to obtain the greatest possible

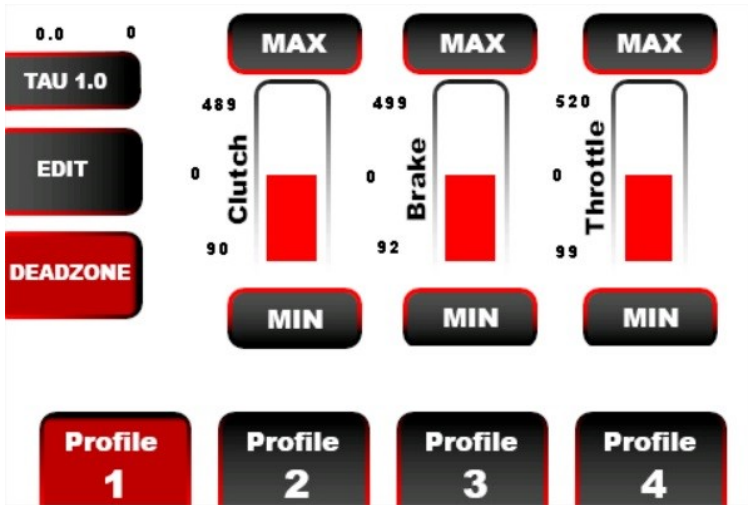
realism of driving while playing. To implement and make this concept realistic, elements such as pedal mapping and setting dead zones have been used. What is more, DCV2 software has been extended with the ability to save any four profiles of pedal settings, which can also be changed at any time, even while playing. This is undoubtedly an advantage that increases the functionality and efficiency of the game.

8. **Deadzone setting**

The deadzone function has been introduced to precisely set the pedal action zone and eliminate unwanted disturbances caused by external factors, e.g. vibrations of moving simulators.

To correctly set the zones excluded from reactions, proceed as follows:

- A. on the DCV2 start screen, select the "DEADZONE" button;
- B. the screen will appear [Fig. 14];



The numbers next to the pedal indicators represent the following values, respectively:

- i. maximal;
- ii. current;
- iii. minimal.

Fig. 14. Deadzone screen

- C. select any pedal, then press it to the desired minimum position and click the MIN button. The saved value will appear with the indicated pedal at the bottom of the indicator. To set the maximum value also press the pedal to the desired position and click the MAX button;
- D. carry out the above operation for all pedals in the same way;
- E. when you have finished setting deadzone for all pedals, click the "DEADZONE" button.

9. Calibration

Before using TAU PEDALS, please calibrate first. The USB cable must be connected to the USB port. In Windows, go to the control panel, where you should find the " Set up USB game controllers " tab [Fig. 15]



Set up USB game controllers

Control panel

Fig 15. "Set up USB game controllers"

In the tab, "Game controllers" screen opens. Select Another Way TAU and click "Properties" [Fig. 16].

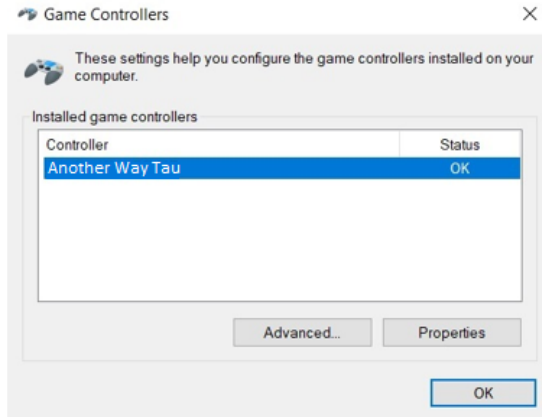


Fig 16. "Game controller" screen

Then go to the "Settings" tab in the upper left corner [Fig. 17] in the "Properties" screen.

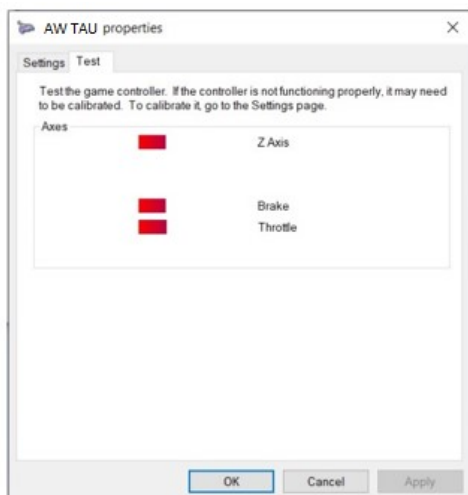


Fig 17. "Properties" screen

Then click the "Calibrate" button [Fig. 18].

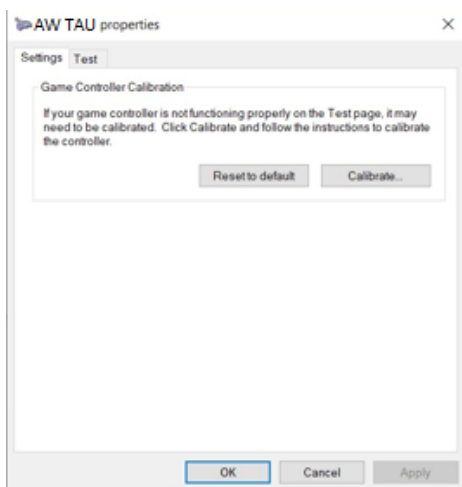


Fig 18. "Settings" screen

Follow the instructions by clicking the "Next" button [Fig. 19]. You will go to the clutch calibration (in case of not using the clutch, proceed to calibrating other pedals).

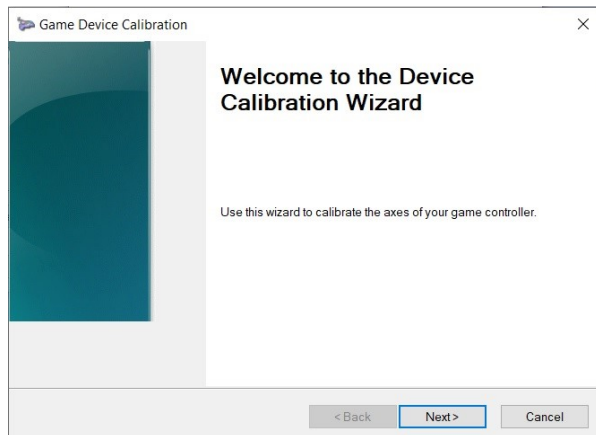


Fig 19. "Device calibration wizard" screen

At this point, repeatedly press the pedal fully and release it. The operation of the pedal will be reflected on the screen in the form of the Z axis indicator [Fig. 20]. After completing, proceed to calibrating the brake and accelerator.

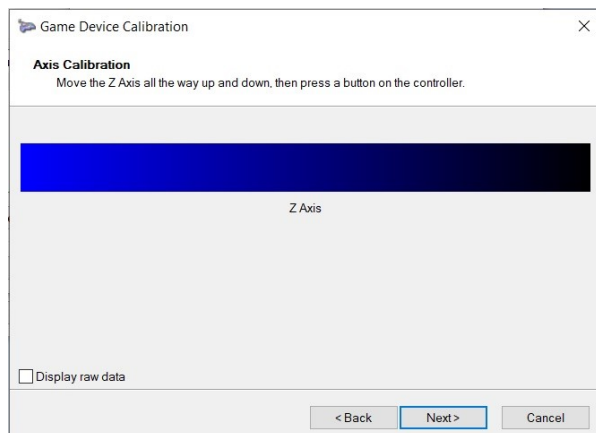


Fig 20. "Axis calibration" screen

At the end, the screen will show that the calibration is completed [Fig. 21],

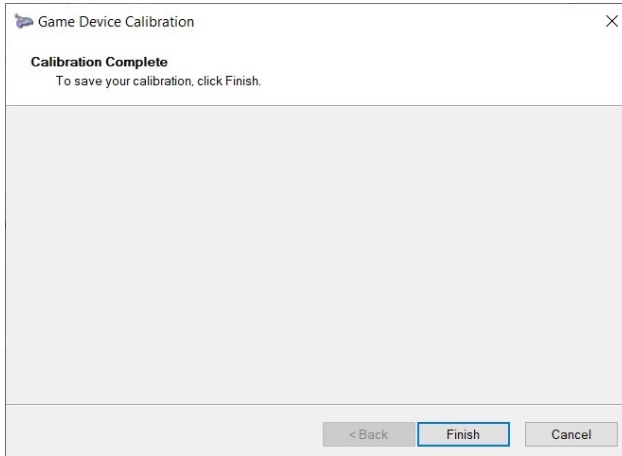


Fig 21. "Calibration finished" screen

After completing the calibration, the screen with the characteristics will appear again, in which, after selecting the testing tab, you can check the range of operation of the pedals.

NOTE! Calibration of pedals should be performed with the set linear characteristics in the **DIRECT CONTROLLER**.

Calibration is recommended after each mechanical change of pedals.

10. Setting characteristics of pedals

To proceed with the settings, select [Fig. 23] one of the four available profiles, select it and then click the "EDIT" button. The screen for changing characteristics of the pedals will appear [Fig. 22].

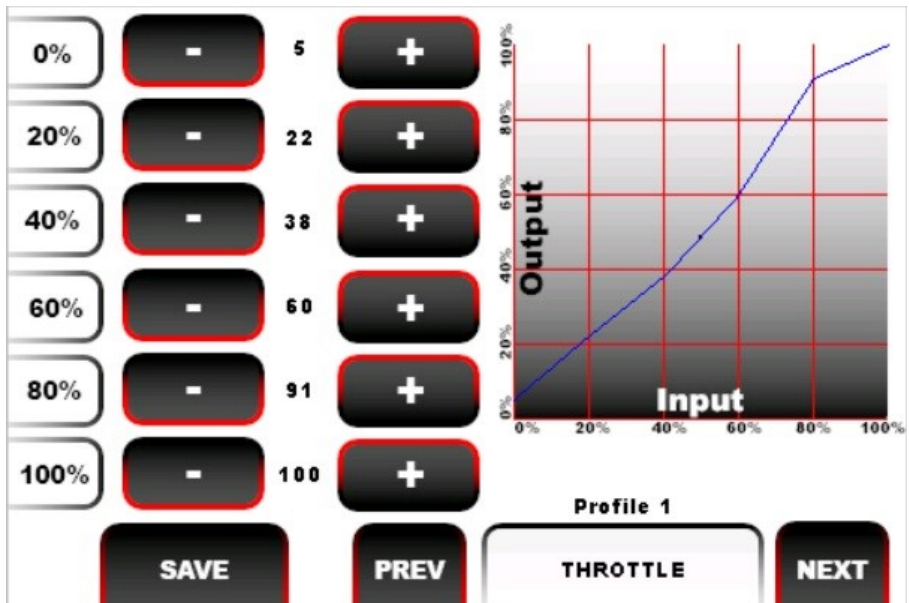


Fig. 22. Screen view for changing characteristics of the pedals

Then select the pedal in the lower right corner and go to settings. 5 stages have been prepared for setting characteristics. As the subsequent values are modified, you can observe changes on the graph. After setting the first pedal, select the next one and proceed

in the same way as in the previous case. After you have made the settings for all available pedals, click the "SAVE" button to save the profile.

In the factory version, characteristics are set in a linear manner. We find the main application of changing the characteristics of the pedals for:

- ✓ setting the clutch biting point;
- ✓ preventing wheel lock during braking;
- ✓ rain;
- ✓ low power of the car

10.1 Saving profile name

In most cases, the saved profiles are specific to a given car, race category, weather conditions, etc., for efficient recognition it is possible to label them. To do this, click on the "NAME" on the start screen and enter the label [Fig. 23]

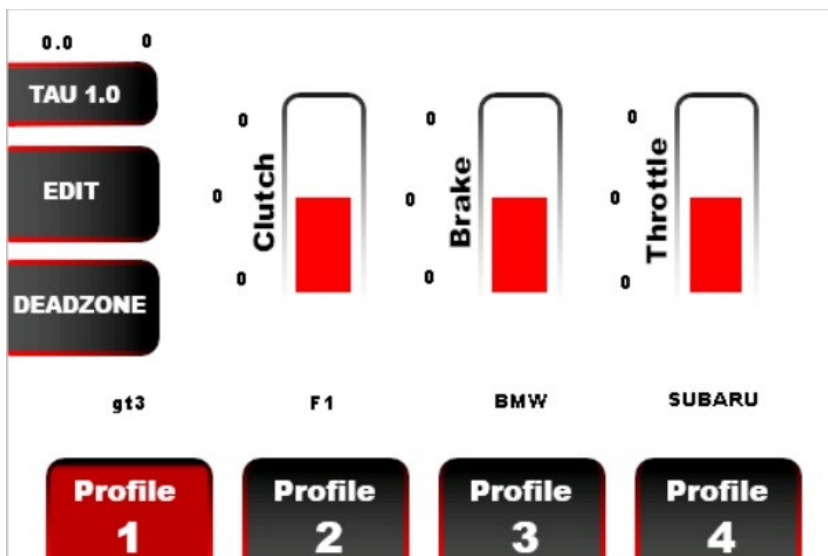


Fig. 23. Start screen with example names of profiles

11. Maintenance

TAU PEDALS are designed to minimize the amount of service work. To keep your pedals in top condition for years, see the guidelines in this section.

The most important protective and maintenance element is the systematic lubrication of the pedals in the most exploited places [Fig. 24]. How often this activity is performed depends to the greatest extent on the intensity of use. The main symptom that indicates the need for maintenance is the characteristic creaking noise caused by friction. Lithium grease and machine oil are the recommended maintenance agents.

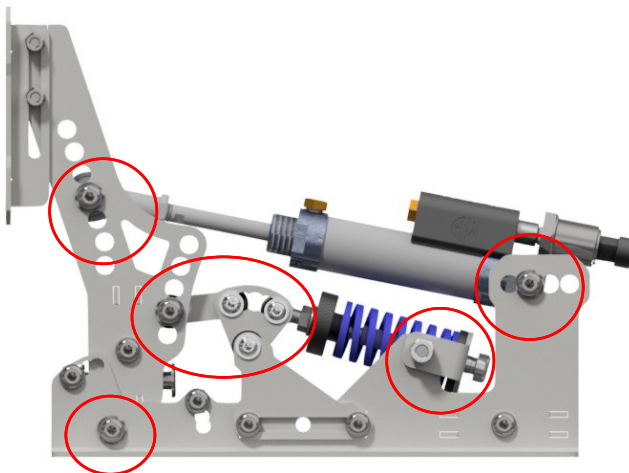


Fig. 24. Marking components that require lubrication as exemplified by the clutch pedal

12. Recommendations concerning protection of the environment

Electronic and electric devices must not be disposed of with other household waste. They should be recycled at specialized collection points for used electronic and electrical equipment to avoid a negative impact on the environment and human health. Please contact your local authority for information on the location of such points.

13. Warranty information

Another Way, based in Bogusławki Małe 25C, 96-200 Rawa Mazowiecka, warrants that TAU Pedals will be free from defects in materials / workmanship / design for a period of two (2) years from the date of delivery of TAU Pedals to the customer.

In the event of any symptoms that may indicate a product defect, the manufacturer should be immediately contacted. They will define a further procedure.

Under the warranty, the defective product will be repaired or replaced with a working one, or the cost of its purchase will be refunded, provided that the product with a copy of the invoice or receipt is delivered to the manufacturer. The choice of the decision related to the consideration of the complaint rests with the manufacturer.

This warranty does not apply when:

- ✓ the product has been modified by the customer,
- ✓ reworked, altered, or damaged due to improper or excessive use,
- ✓ an accident was caused by the customer,
- ✓ there was negligence in use, normal wear, and tear or for any other reason that is not caused solely by a material or manufacturing defect,
- ✓ the product was used for commercial use,
- ✓ the manufacturer's recommendations were not followed,
- ✓ the product was resold.

NOTE

Remember to make a complaint, you must contact the point where the product was purchased.



Place for notes.....