

Installation Manual

(Applicable to TrueBrake v1, v2, v2.1, v2.2)



TRUEBRAKE

For Logitech Pedals

G25/G27

G29/G920

G923

Introduction

Read these instructions in full before starting to install TrueBrake.

Make sure you have all the correct tools.

Take notes and photos during disassembly that you can refer to when re-assembling the pedals.

Do not over-tighten screws as you can strip the threads.

If you are under 18 years old seek the help of a responsible and competent adult.



Logitech G29 / G920 Pedals

Follow the steps required for your model of pedals.

Look out for the symbols:

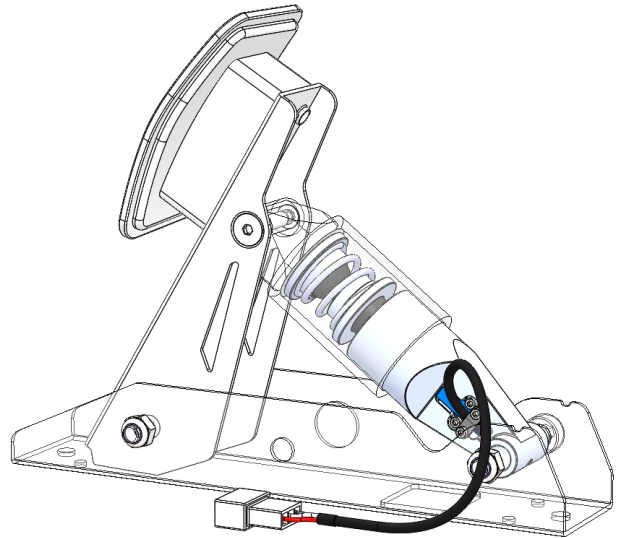
G25/G27 **G29/G920** **G923**

If you need assistance, see:

<https://www.axc-sim.com/support-tickets/>

AXC SIM (Aerocraft Ltd) will not be held responsible for any damage to your Logitech pedals, steering wheel or invalidation of your Logitech Warranty caused by you installing TrueBrake. If you disagree with this statement then do not install this component and return it to AXC SIM for a full refund.

These instructions will show you how to install the TrueBrake unit to your Logitech Pedal set, as shown opposite.



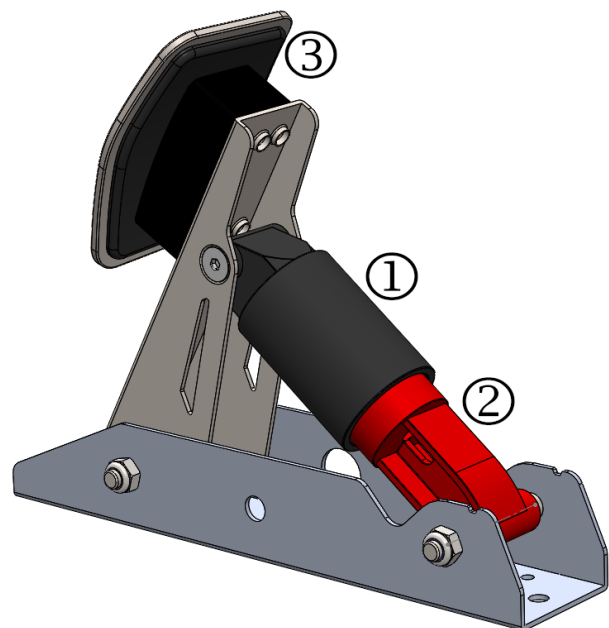
TrueBrake consists of four parts:

1. TrueBrake Unit
2. Pedal Return Spring
3. Dome
4. Spacers (3 sizes)



Stock Logitech Parts:

1. Upper Spring Housing
2. Lower Spring Housing
3. Foot Pad



Tools required:



#1 Phillips screwdriver (PH1)



#2 Phillips screwdriver (PH2)



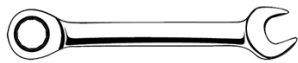
5mm hex key



2.5mm hex key



Long Nose Pliers



10mm spanner or adjustable wrench

1a – Remove brake foot pad

G25/G27 **G29/G920** **G923**

Remove the 2 hex screws and the foot pad from the brake pedal.



1b – Remove clutch foot pad

G923

G923 ONLY

Remove the 2 hex screws and the foot pad from the clutch pedal.



2 – Support the assembly

G25/G27 **G29/G920** **G923**

Invert the pedal assembly and support with a cardboard box.



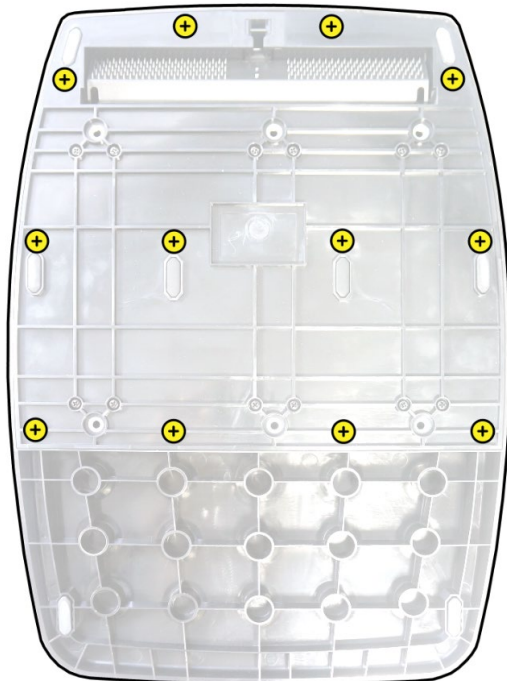
3 – Remove bottom cover

G25/G27 **G29/G920** **G923**

Remove the 2 small screws (PH1) that are under the carpet gripper, as shown.



Remove the 12 small screws (PH1), as shown in diagram.



Remove the 12 large screws (PH2) shown in diagram.



Remove the bottom cover.



Take notice of how the wiring loom is arranged and attached to the plastic moulding. You need to put the wires back in the correct places later.

Also notice each pedal unit is marked in the factory with the letters A, B, C.

- A) Accelerator
- B) Brake
- C) Clutch



4a – Remove brake pedal unit

G25/G27 **G29/G920** **G923**

CAUTION: The wires are very thin and easily damaged. Do not disconnect the connectors by pulling the wires.

Remove the screw (PH2) that secures the black ground wire.

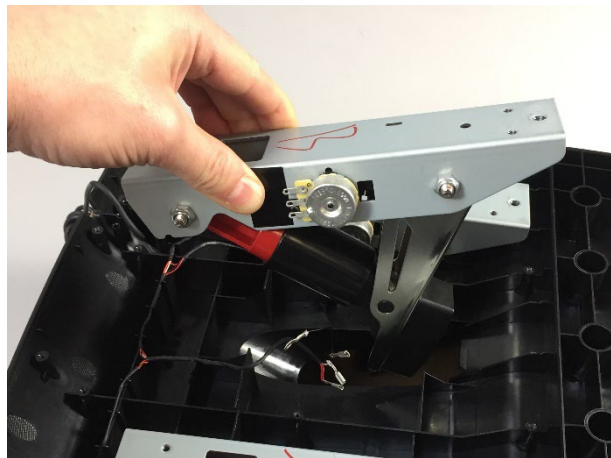


CAUTION: The wires are very thin and easily damaged. Do not disconnect the connectors by pulling the wires.

Use long nosed pliers to carefully disconnect the spade connectors from the potentiometer.



You can now remove the brake pedal unit from the main assembly.



4b – Remove clutch pedal unit

G923

G923 Only.

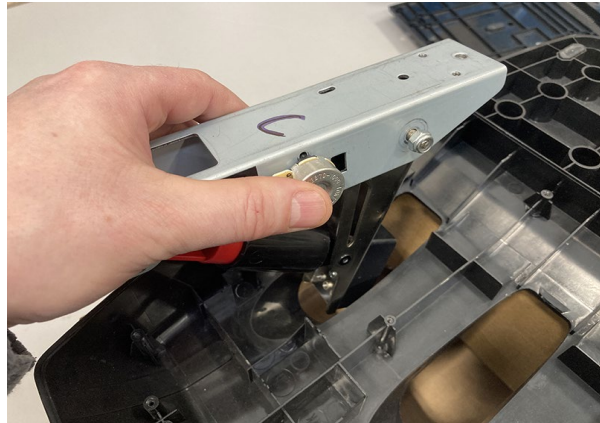
Repeat steps in 4a for the clutch pedal.

CAUTION: The wires are very thin and easily damaged. Do not disconnect the connectors by pulling the wires.

Remove the screw (PH2) that secures the black ground wire.

Use long nosed pliers to carefully disconnect the spade connectors from the potentiometer.

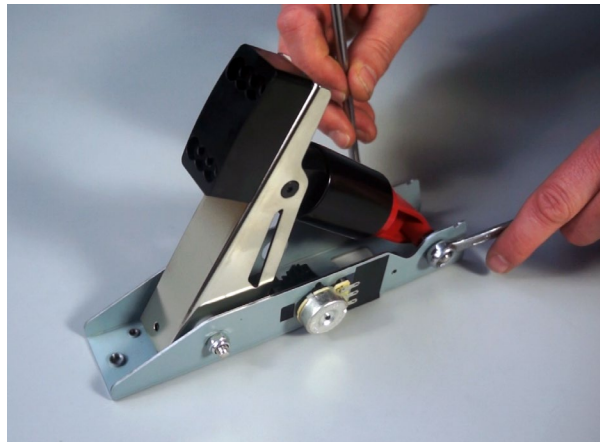
You can now remove the clutch pedal unit from the main assembly.



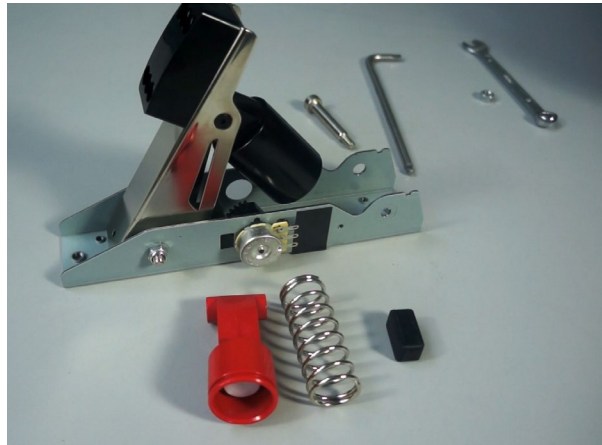
5 – Remove lower spring housing (brake pedal)

G25/G27 G29/G920 G923

Remove the nut and bolt that secures the brake pedal lower spring housing.



Remove the brake pedal lower spring housing, spring and rubber block (if fitted).



6 – Remove white part

The **G29** and **G920** brake pedal has a white plastic part that must be removed.

G29/G920



Remove the part with a long screwdriver...



...so it looks like this.

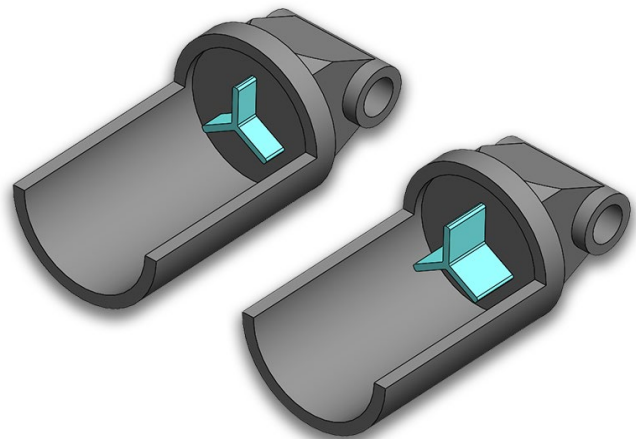


7 – Swap Brake and Clutch Upper Spring Housing

G923

G923 ONLY

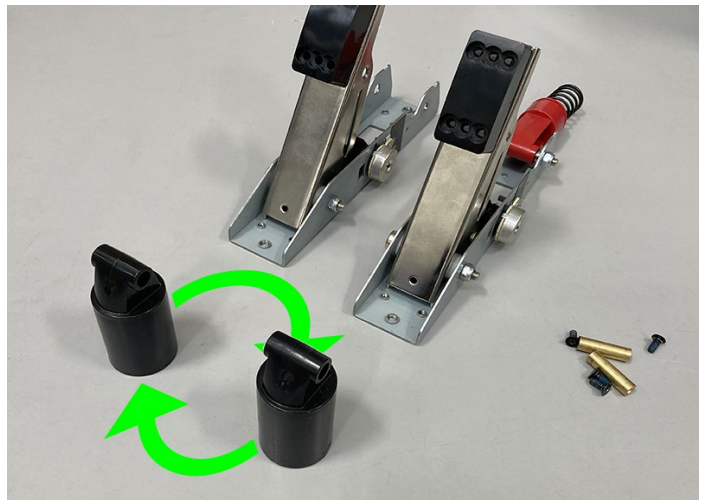
The upper spring housing on the G923 brake pedal has longer Y shaped fins than other models. This can interfere with the operation of TrueBrake. Swap the upper spring housings between the clutch and brake pedal. This does not affect the operation of the clutch pedal.



Remove the upper spring housings on the clutch and brake pedal units.



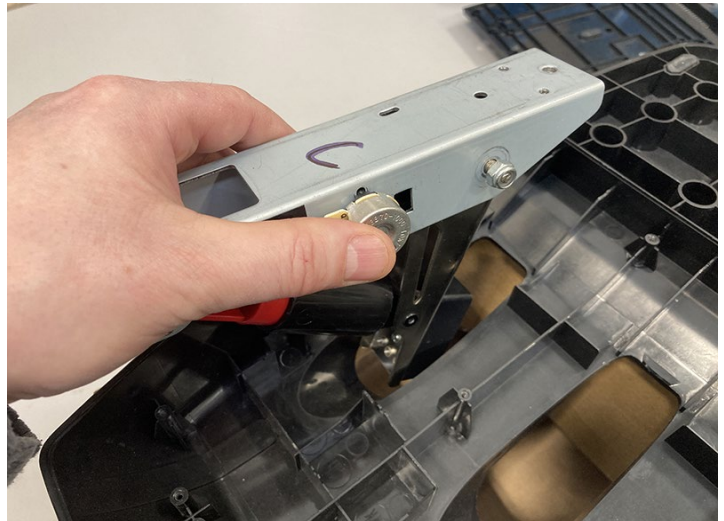
Swap the upper brake housings. The one with the shortest Y shaped fins needs to be on the brake pedal unit.



Install the Upper Spring Housings to the pedal units.



Install clutch unit back into pedal housing and connect the red, green and black wires.



8 - Install TrueBrake

G25/G27 **G29/G920** **G923**

TrueBrake consists of four parts:

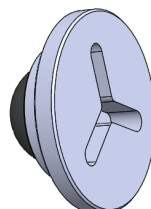
1. TrueBrake Unit
2. Pedal Return Spring
3. Dome
4. Spacers (3 sizes)



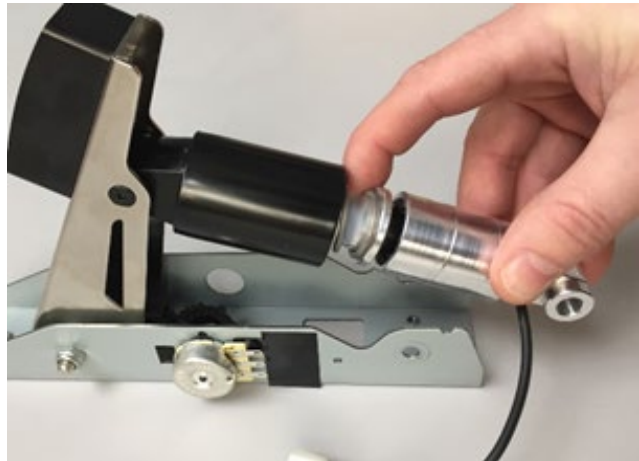
The three sizes of spacers adjust the pedal travel before the pedal engages with the TrueBrake. Choose the size you prefer.



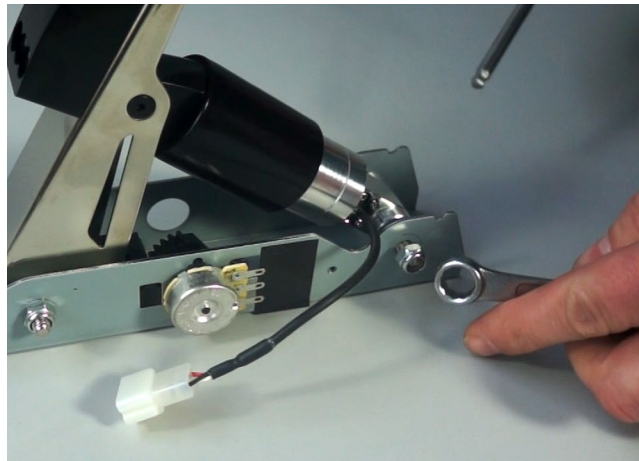
Insert the dome into the upper spring housing. The “Y” shaped cut out should line up with the “Y” shaped fins inside the housing.



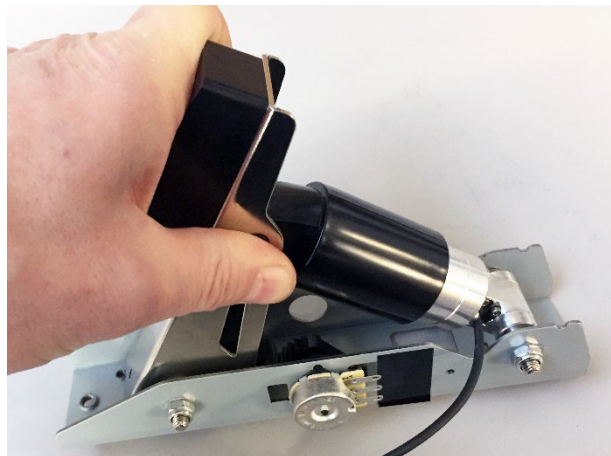
Insert the spring, spacer and TrueBrake Unit into the upper spring housing.



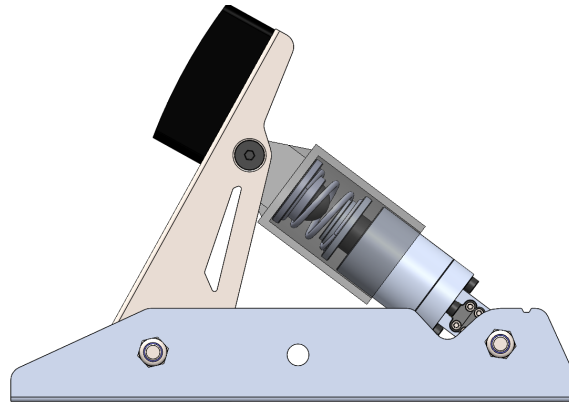
Install the lower nut and bolt to secure the TrueBrake in place.



Test the feel of the pedal. It is easier to change your mind now about the spacer options!



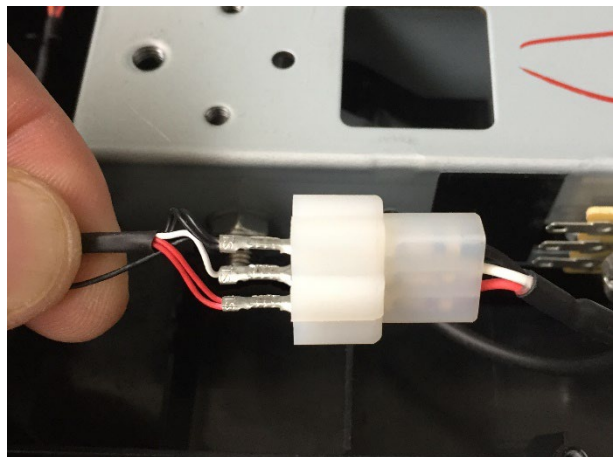
The inside of your brake pedal should now look like this cutaway picture.



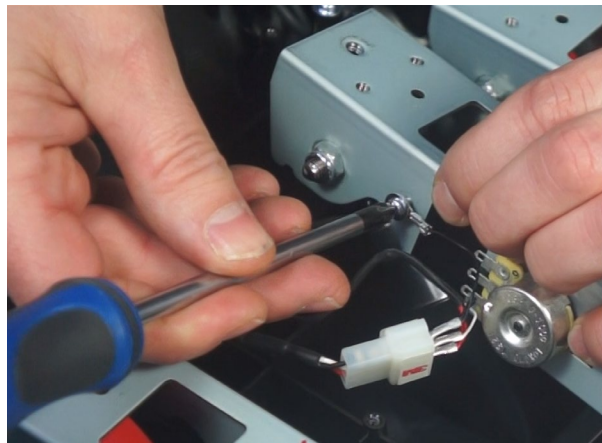
9 – Re-install Brake Pedal Unit

Install the brake pedal unit back into the main pedal housing. Connect the red, white and black wires to the corresponding wires in the TrueBrake connector.

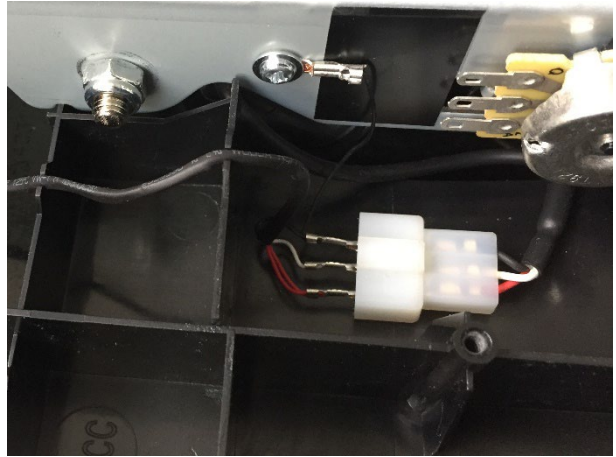
G25/G27 **G29/G920** **G923**



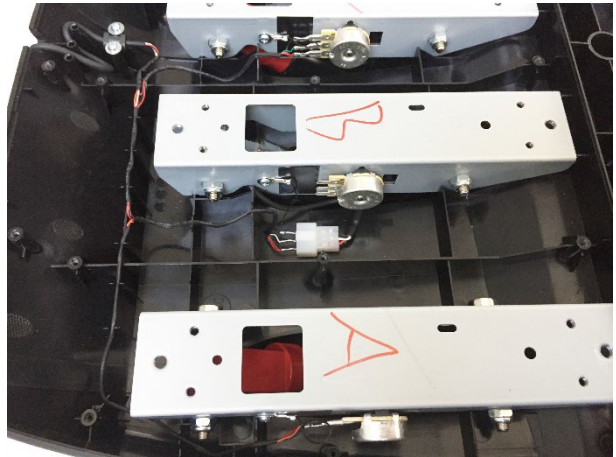
Secure the black ground wire with it's screw (PH2).



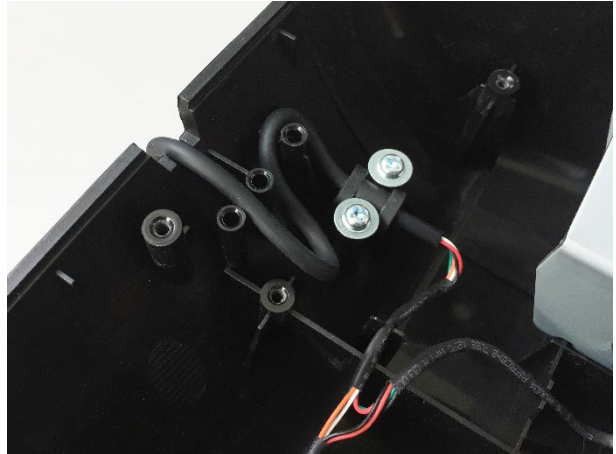
Use the double-sided adhesive tape to attach the connector to the black plastic moulding.



Secure the cables to their attachment points.



Ensure the cable exits the main pedal assembly as it is intended.



10 – Install Bottom Cover

G25/G27 **G29/G920** **G923**

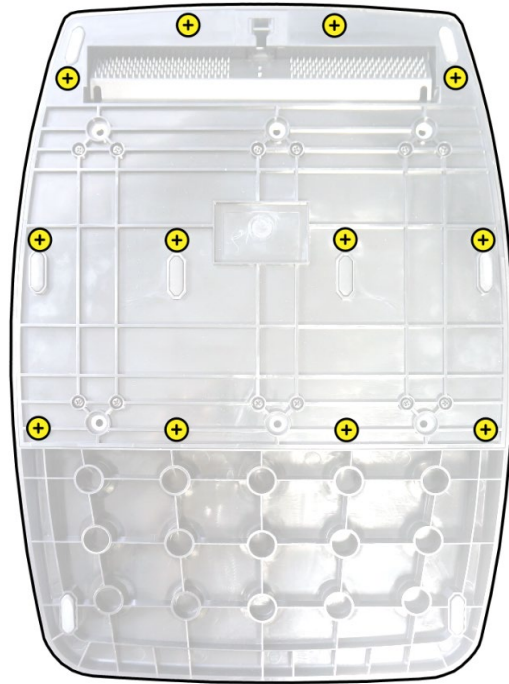
Install the bottom cover.



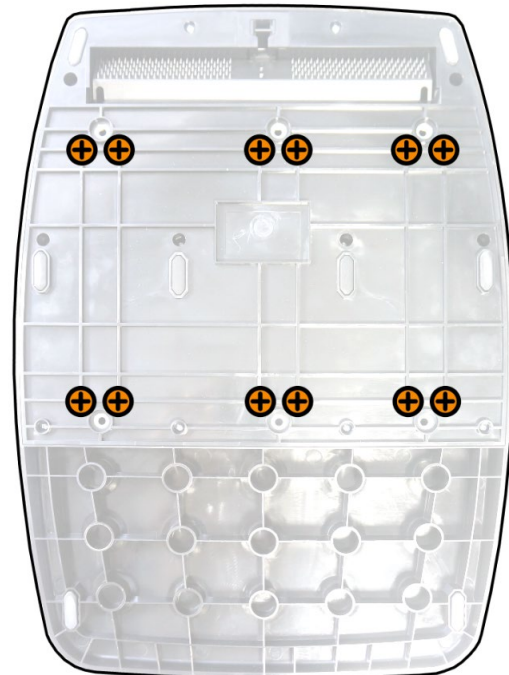
Install the 2x screws (PH1) under the carpet gripper, as shown opposite.



Install the 12x screws (PH1) shown opposite.



Install the 12x screws (PH2) shown opposite.



11a – Install Brake Pedal Foot Pad

G25/G27 **G29/G920** **G923**



11b – Install Clutch Pedal Foot Pad

G923

G923 ONLY



Finished!

Some PS4 and Xbox games may need to be recalibrated in the games. There are no calibration settings on the consoles themselves.

If you're using your Wheel and Pedals with a PC then you will need to recalibrate the pedals in the Windows Control Panel.

If you are using the Pedals with a Leo Bodnar cable on a PC then download the calibration software from their website.



If you need any assistance, please log a support ticket at <https://www.axc-sim.com/support-tickets/>

Have Fun!!