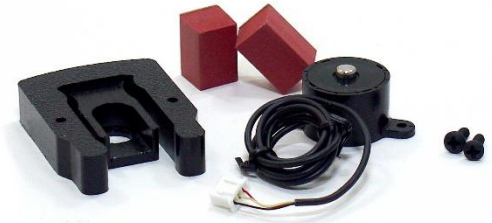


Ricmotech LC3 Load Cell Kit Installation Guide

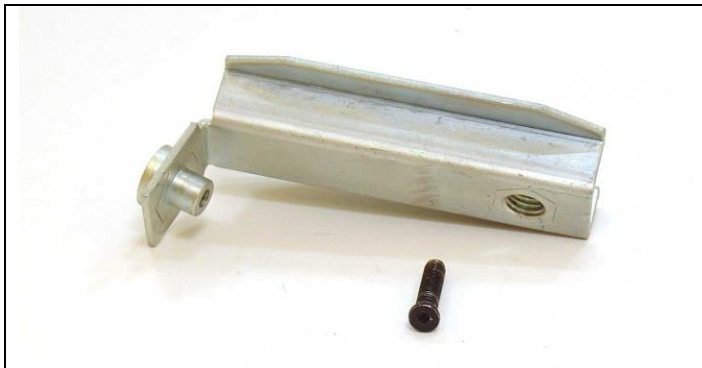


Items Needed:

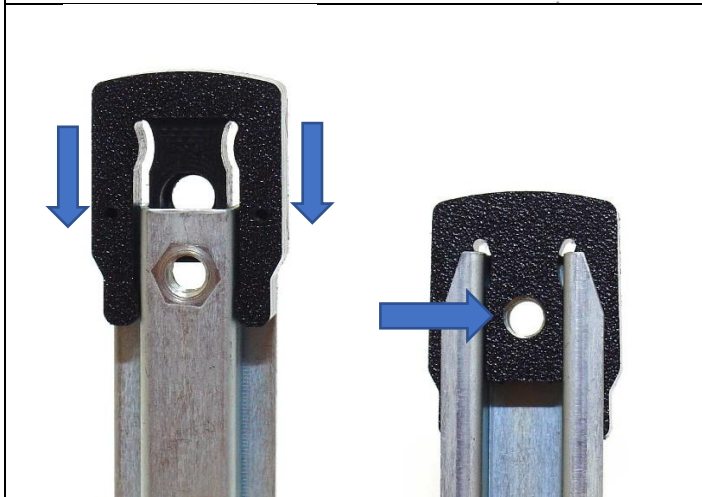
1. T3PA Pedals (Add-On pedals or included with wheel)
2. Parts from Original "Conical Brake Mod" shipped with pedals
 - a. Mounting Bracket
 - b. Mounting Bracket Screw
 - c. 2.5mm Hex Key
3. Contents of LC3 Kit
 - a. Load Cell with Connector
 - b. Machined Plastic Adapter Bracket
 - c. 2 x #6 Mounting Screws
 - d. Orange Silicone Bushing (plus one spare)
4. Phillips Screwdriver (#2)
5. Small Diagonal Cutters
6. Needle Nose Pliers (optional)
7. Alcohol and a Rag



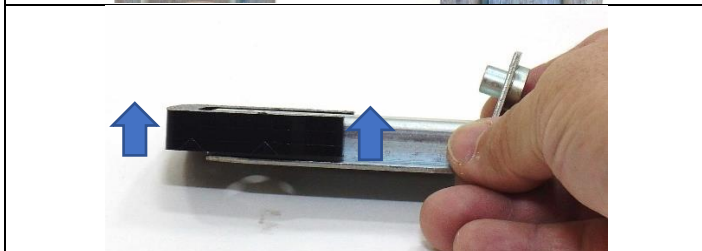
Installation:



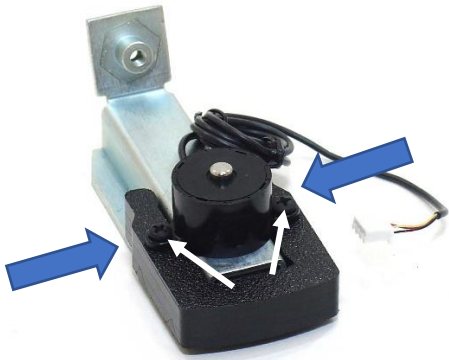
Locate the original mounting bracket and screw for the "Conical Brake Mod".



Slide the adapter bracket down over the end of the steel mounting bracket until the holes align.



Push the adapter forward to lock it into place.

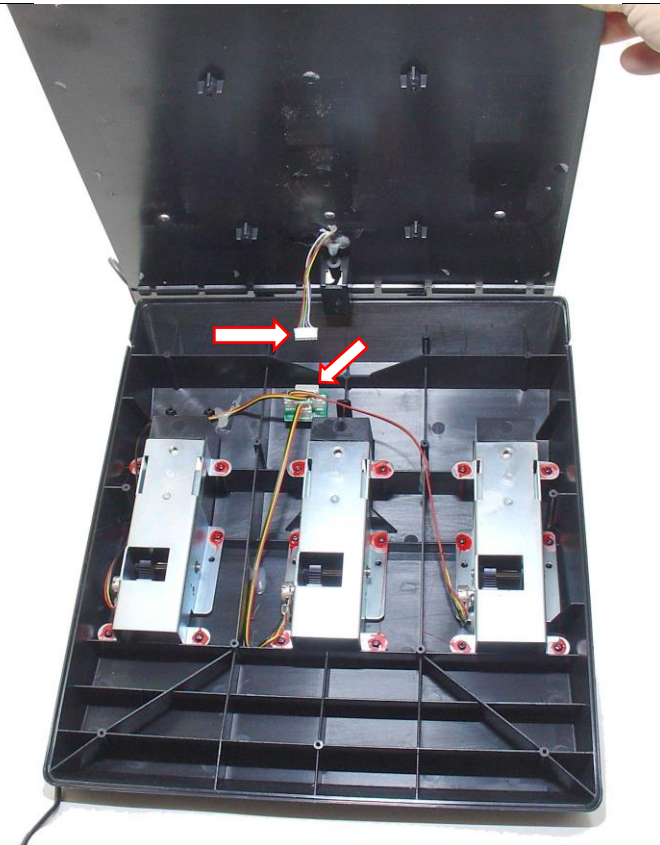


Screw the load cell module to the adapter bracket with the screws provided (white arrows) while squeezing the sides of the adapter bracket (blue arrows) to align the holes and further lock the adapter into position. Be sure the load cell wire exits toward the bottom as shown.

Set the assembly aside.

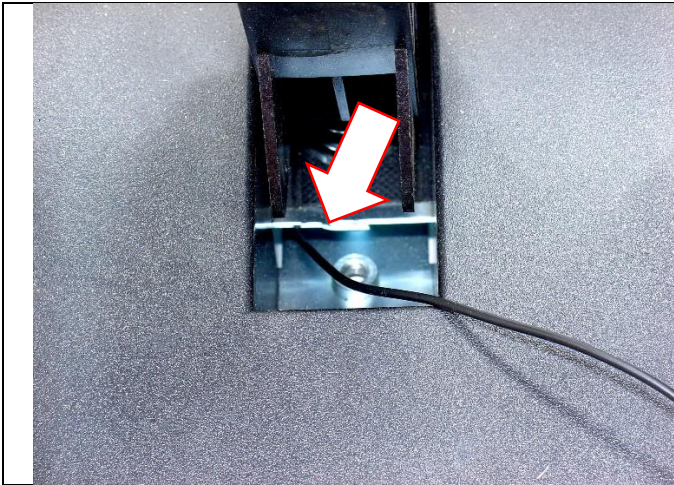


Remove the 14 screws from the bottom cover of the pedals. Do not overlook the screw behind the wire.

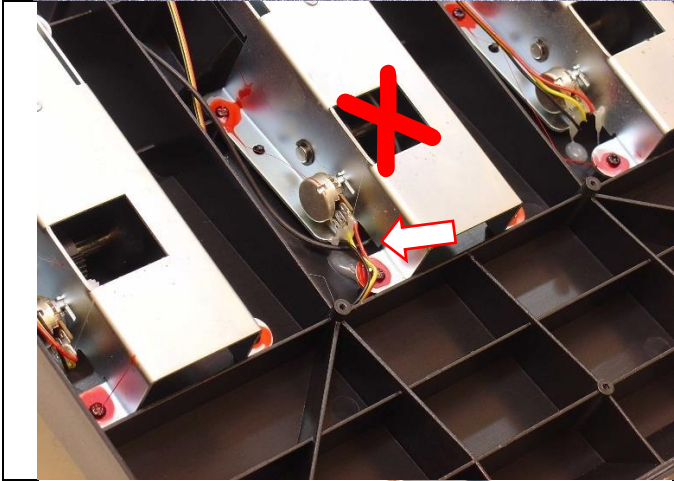


Carefully lift the cover from the near end with one hand and reach in with the other hand to disconnect the 6-pin plug from the circuit board. Do not lift the cover abruptly as this may cause damage to the connector.

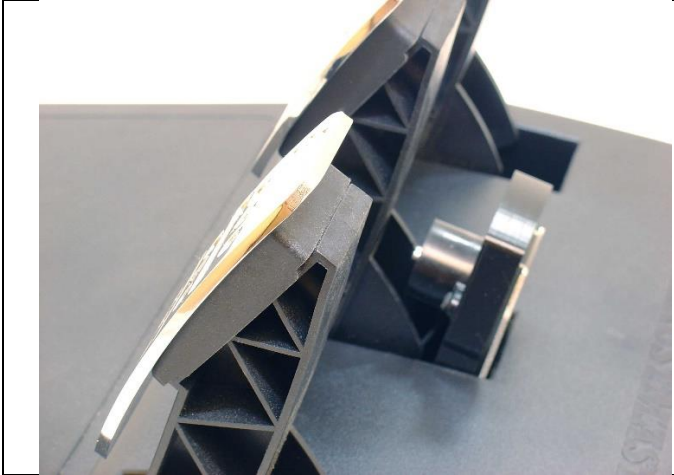
Se the cover aside.



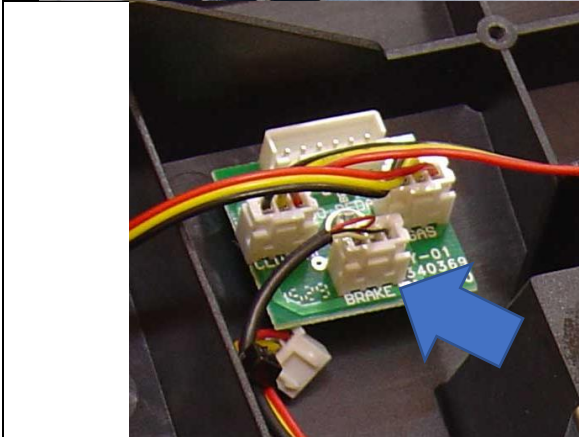
Uncoil the cable from the load cell module and straighten the cable. Insert the cable behind the pedal and under the metal "shelf" toward the front of the pedal assembly.



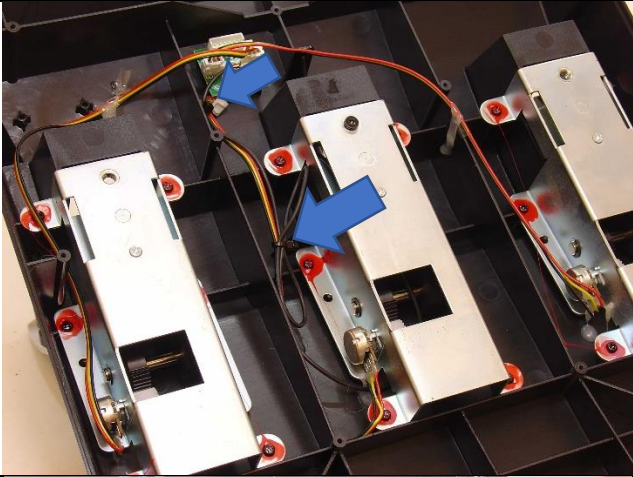
Route the wire through the pedal assembly and exit through the gap next to the original potentiometer (white arrow). DO NOT EXIT THE WIRE THROUGH THE LARGE SQUARE OPENING, THE WIRE WILL GET PINCHED WHEN THE COVER IS REPLACED.



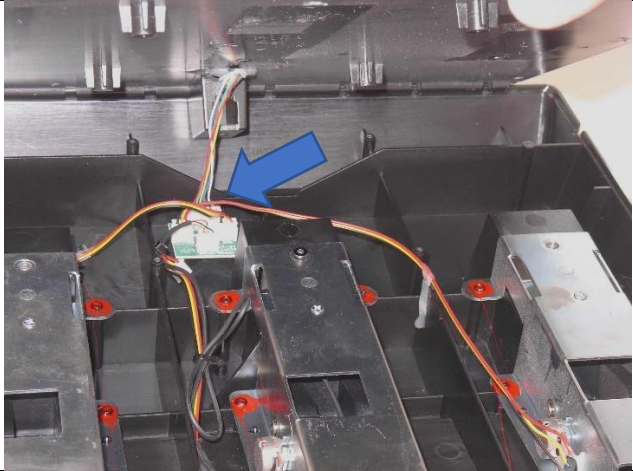
Pull the excess wire through the pedal and install the load cell assembly as shown. Verify the wire is not pinched by wiggling it at one end and verifying it wiggles freely at the other end.



Unplug the original potentiometer connector labeled BRAKE and plug the load cell module into this receptacle.



Use zip ties to secure the excess wire to the existing wiring and secure the original potentiometer connector to the load cell cable. Cut off the excess.



Place the cover back on the pedals as shown and reach in to plug the 6-pin connector back into the circuit board.

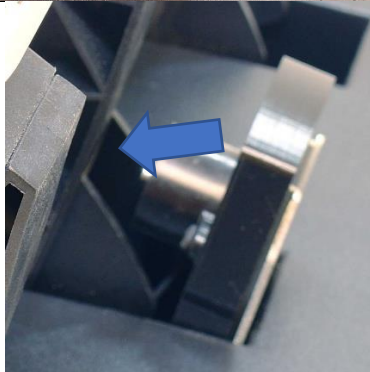
Close the pedals and reinstall the 14 screws removed earlier.




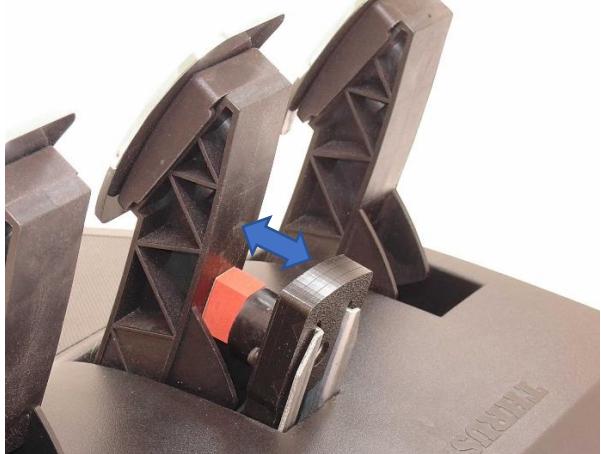

DO NOT REMOVE THE ADHESIVE BACKING FROM THE BUSHING YET!

THIS IS A DRY RUN TO DETERMINE THE POSITIONING OF THE BUSHING.

Use a pair of needle nose pliers to help position the bushing. Spread the pedal and the load cell assembly and insert the bushing with the adhesive side facing the pedal. Center the bushing over the load cell and release the pedal. The bushing should hold in place. Practice this and have a friend help if needed.



Once you have become familiar with the positioning of the bushing, clean the area behind the pedal where the bushing will be applied to with alcohol and a rag. Dry the area thoroughly.

	<p>Carefully peel the backing of one of the bushings. The adhesive is a gum sheet and can be torn off if not careful.</p>
	<p>Spread the pedal and the load cell assembly and insert the bushing with the adhesive side facing the pedal as practiced before. Center the bushing over the load cell and press it slightly against the pedal. Release the pedal and allow the pressure bond the adhesive to the pedal. Press the pedal with your hand after a few minutes to help insure the bushing is adhered well before using it in game.</p>
	<p>The pedals are now ready for use.</p>

Tips for Best Performance

The pedals must be calibrated every time the wheel restarts (when it does its left to right dance). The system will learn the maximum force used to press the pedal and that will be 100% braking in game. If at any point during the game the pedal is pressed harder than that will become the new 100%. Therefore, we recommend pressing the pedal with maximum force after the wheel restarts so there is no variation in braking performance during a race.

The bushing is a consumable item and will break down over time. This will change the response of the pedal. You will gradually adapt to the change and therefore it may not be apparent. Periodically inspect the bushing and replace as needed.

Need Help?

If you run into any problems during the installation of the LC3 please contact us directly at tech support at (305) 417-9241 or via email at support@ricmotech.com.

Due to constant improvements to our products, the product you receive may vary slightly from the product shown in the illustrations.

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