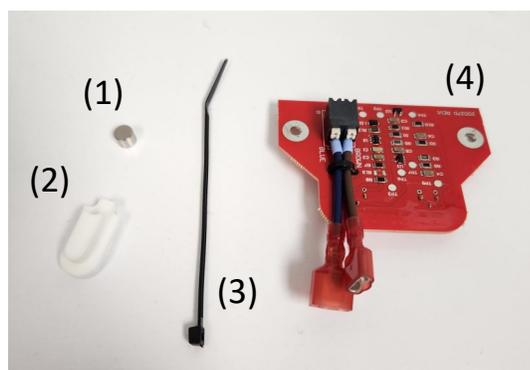


Replacing The Speed Control with Magnetic Control

This guide will walk you through changing the old style of speed control to our new, magnetic version of our speed control.

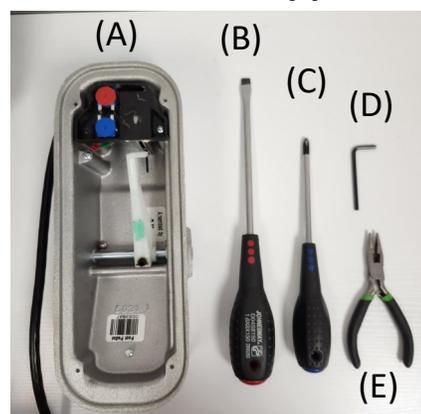
Below you will find the items that should be within the speed control kit as well as additional supplies you will need

Magnetic Speed Control Kit



1. Magnet (marked on one side)
2. Green or White plastic insert
3. Zip tie
4. Speed control with two wires zip tied in place

Additional Supplies

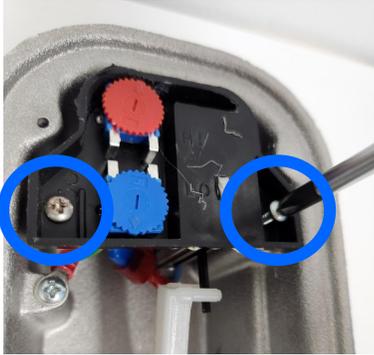


- A. Foot pedal with bottom cover removed
- B. Long, flat head screw driver
- C. Phillips head screw driver
- D. 1/8 inch Allen Wrench
- E. Needle-nose pliers (optional)



As a general safety precaution, we recommend unplugging the appliance before working on it. Removing power helps prevent accidental operation and reduces the risk of electrical shock or injury

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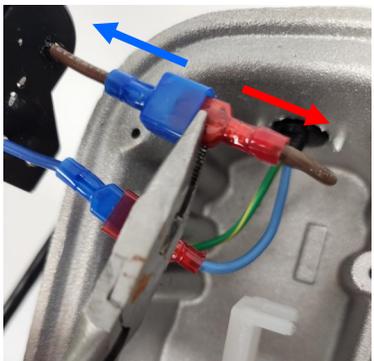
1. First, use the Phillips head screw driver to remove the two screws on either side of the speed control installed in your foot pedal. Set the screws aside as we will need them later.



2. Carefully remove the old speed control from the foot pedal. Be careful of the black arm that is in between the notches of the pedal's arm.

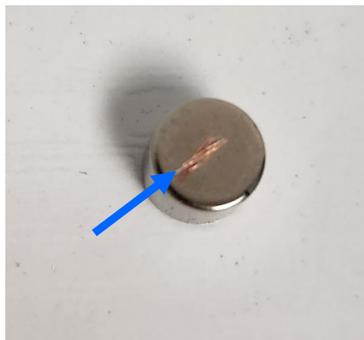


3. When you pull out the speed control, it will still be attached to the foot pedal by quick connections.



4. You can use needle nose pliers to help separate the quick connections. You will want to disconnect both wires. Once the speed control is disconnected, set it aside.

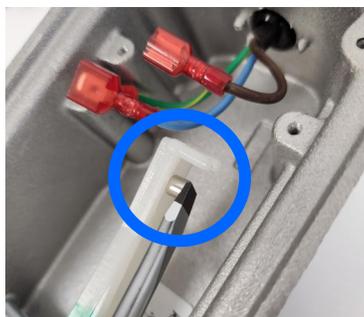
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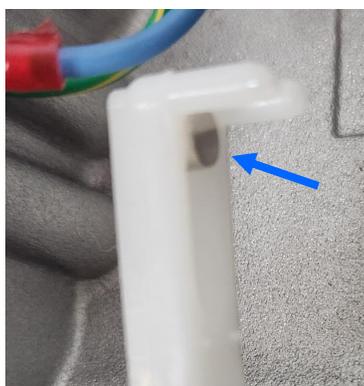
5. Next you will need the magnet that comes inside of the speed control kit. One side of the magnet has a marking on it. Place the mark face up.



6. With the mark facing up on the magnet, connect a flat head screw driver to the magnet. The mark should be in between the magnet and the screw driver.

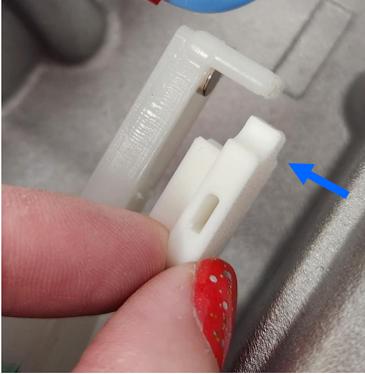


7. With the magnet on the screw driver, place the magnet in the small opening on the inside of the arm. It will take a small amount of force to push the magnet into the opening.

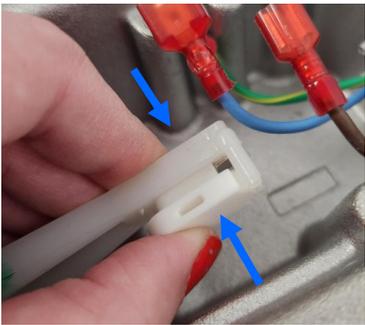


8. The magnet should be pushed up near the top of the arm, close to the two prongs on the arm of the pedal.

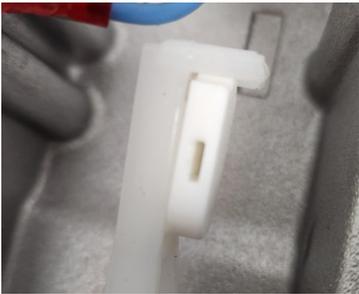
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9. Next, use the white or green plastic insert to help hold the magnet in place. There is a top notch that will go in between the two prongs of the arm.



10. You may need to pinch the piece into place. There should be a small click when it has connected properly.

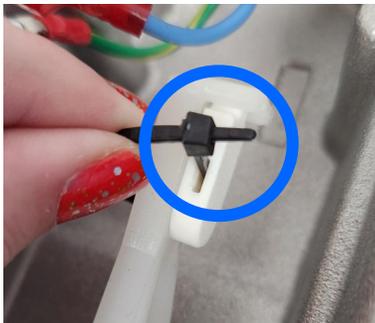


11. The plastic insert should sit like this within the arm of the pedal.

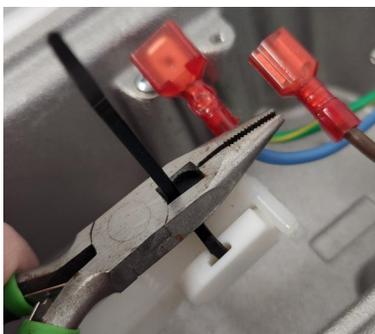


12. To secure the insert even more, use the zip tie from the speed control kit to zip tie the insert to the arm. Push the tapered end of the zip tie into the small slot of the plastic insert. The tie should go all the way through.

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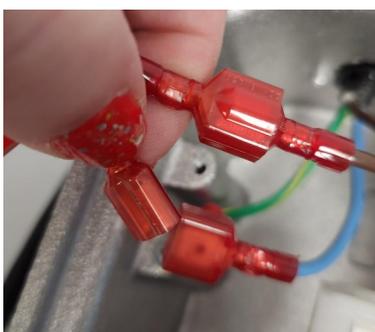
13. Pick up the tapered end of the zip tie and push it through the opening on the zip tie. You will want to pull the zip tie until the plastic insert is held firmly in place.



14. Use the needle nose pliers cutting edge, or a pair of scissors, to cut off the extra tail of the zip tie. **Make sure you have pulled the zip tie tightly before cutting it.**

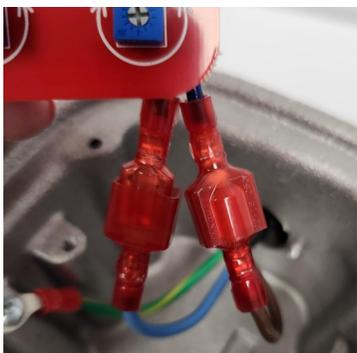


15. Next, pick up the new speed control and connect the wires by pushing the quick connections together.



16. The blue wire will connect to the blue wire and the brown connects to the brown wire.

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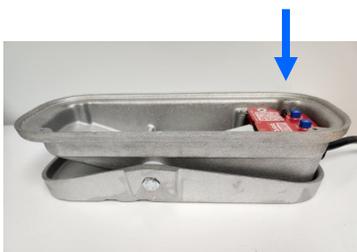
17. Make sure to connect both of the wires. They should have a snug fit when connecting them together.



18. Place the speed control onto the correct space of the pedal. The holes of the speed control should line up with the holes drilled within the pedal.



19. Using the screws you had set aside from the old speed control, screw the new speed control into place.



20. Push the pedal down so the pedal is in the “on” position. This will ensure the pedal is in the right position when we adjust the arm in the next steps.

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21. Next, you will want to make sure the arm of the foot pedal is lined up correctly. First, make sure the prongs are lined up with the two vertical lines on the speed control board.



22. If the prongs are not lined up, use a 1/8 inch Allen wrench and going in a counter-clockwise direction, turn the set screw until the pedal's arm is loose and able to move with your fingers.

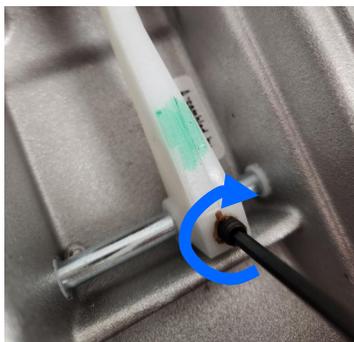


23. Gently slide the arm back and forth until the end of the arm lines up with the two white lines on the speed control. Also make sure the arm is pulled up and flush with the speed control board.



24. Also check that the arm is pulled up and sitting flush with the speed control board.

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25. Once the arm is in place, tighten the set screw with the Allen wrench by turning the screw clock-wise.



26. You are now done installing your new speed control. If you need to adjust the speed further, scan the QR code on the bottom of the speed control to watch our “Adjusting the Speed Control” video linked below.

Adjusting the Speed Control Video:

<https://amaco.com/resources/tutorials/brent-wheel-foot-pedal-speed-control-adjustment>