

Belt Replacement



Difficulty	Moderate
Steps	16
Time Required	10 - 15 minutes

Introduction

The belt on the Peloton bike will wear out over time. If you notice any visible damage to the belt, or if you find black dust accumulating inside the belt guard, you will need to replace the belt.

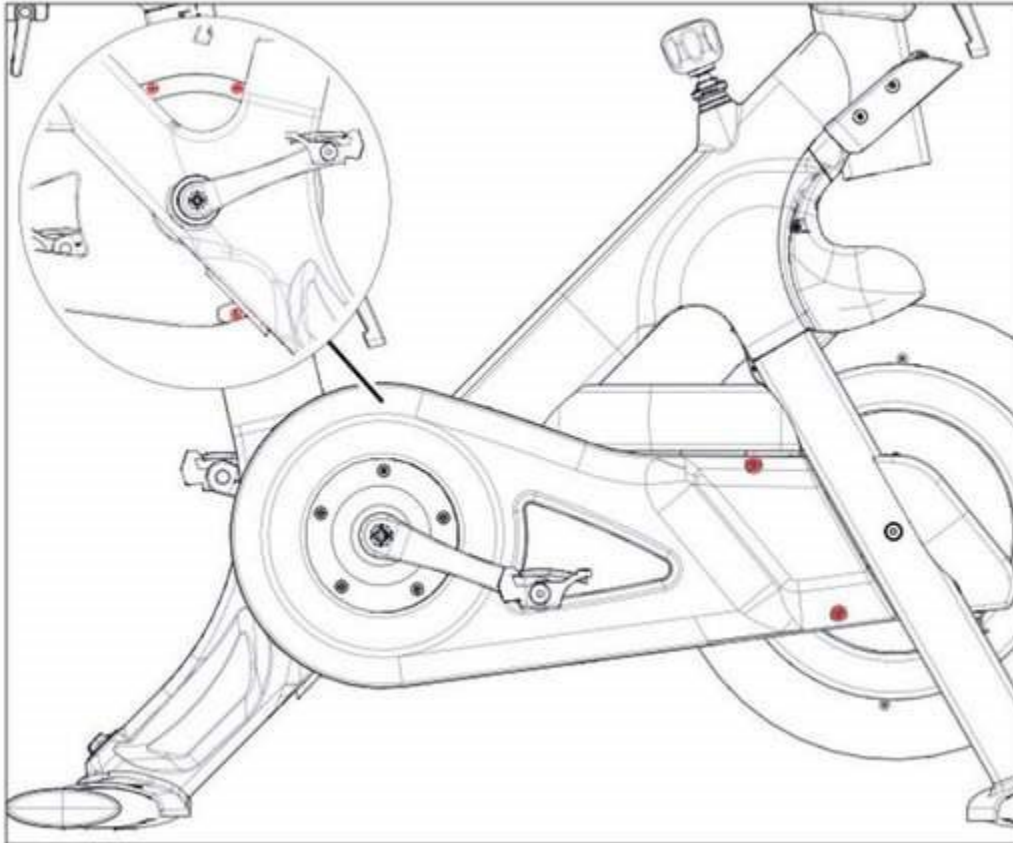
PW: peloton

Tools

- Phillips head screwdriver
- Nylon Pry Bar
- 4 mm Allen Wrench
- 5 mm Allen Wrench
- Towel or Rags

- 3/8in 5 mm Hex Bit
- 3/8in Drive Adjustable Torque Wrench

Step 1 - Remove the outer belt guard



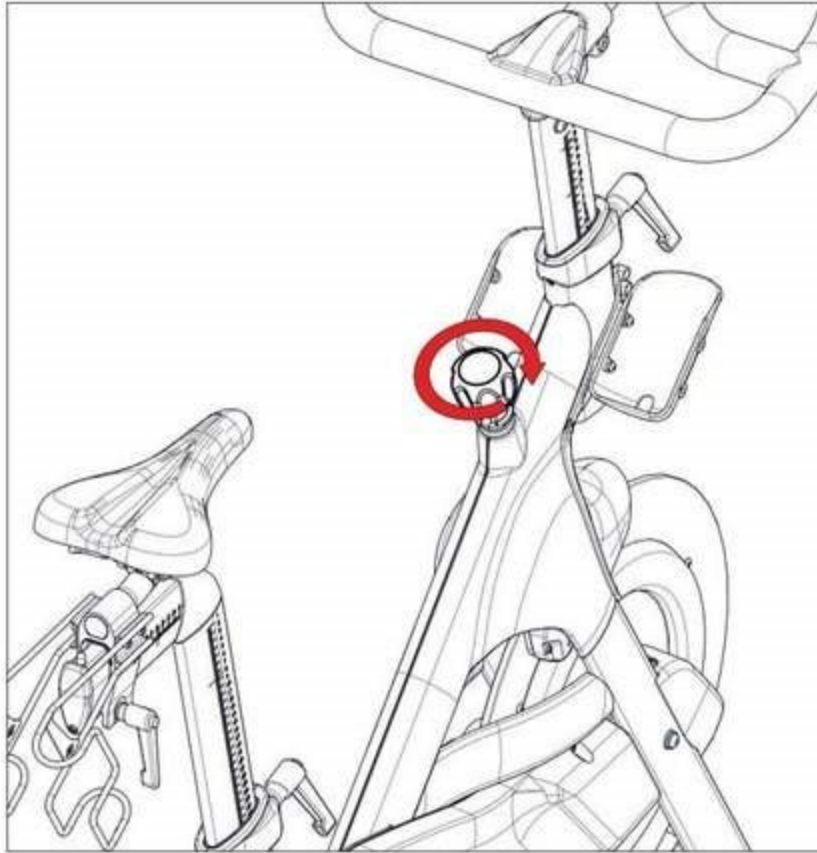
- Use a Phillips head screwdriver to remove the five bolts holding the outer belt guard in place.
- Two bolts are located at the front of the belt guard. Access the three rear bolts from the left side of the bike.
- Set the bolts aside.

Step 2 - Remove the belt from the pulley



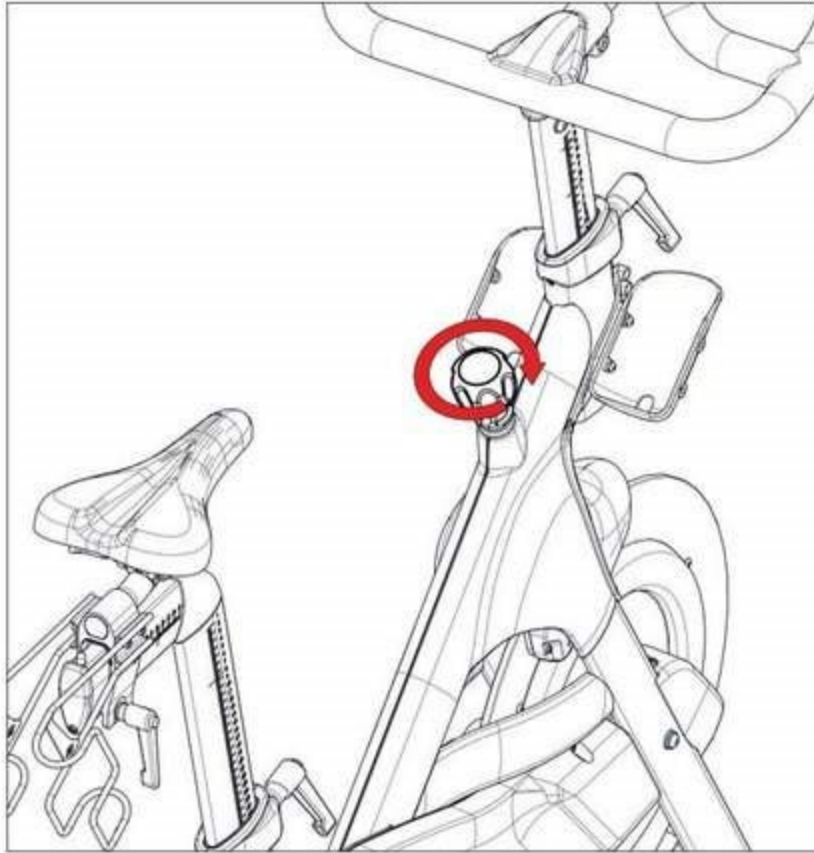
- **Keep hands away from moving pulley. If your hands are caught between the belt and pulley you could be seriously injured.**
- Insert a bike tire lever between the belt and the top of the pulley where they meet.
- Hold the tire lever at a steep angle, pushing the bottom half towards the pulley.
- Slowly rotate the crank arm counterclockwise, continuing to push on the lever. The belt should peel off of the pulley.

Step 3 - Remove the water bottle holder



- Turn the resistance knob clockwise to lower the magnetic brake.
- Use a Phillips head screwdriver to remove the two screws attaching the water bottle holder to the bike frame. Set the screws aside.
- Pull the water bottle holder down and away from the bike and set it aside too.

Step 4 - Remove front belt guard



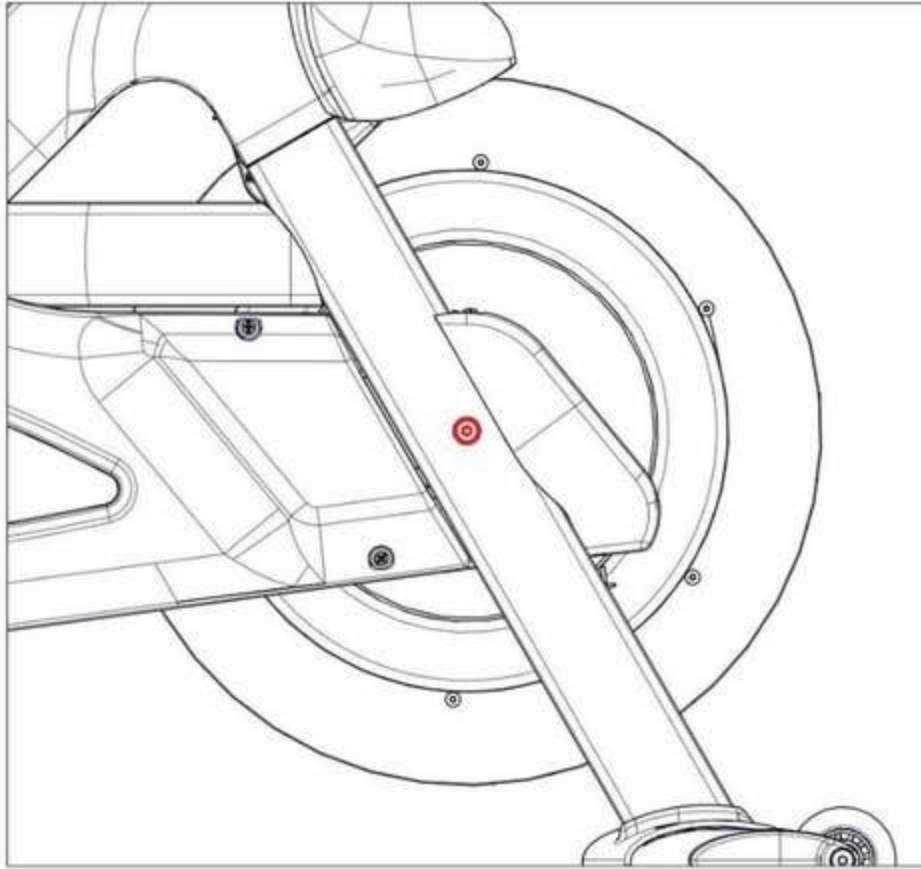
- The front belt guard is located at the right side of the flywheel. Use a Phillips head screwdriver to remove the screw at the top of the front belt guard. Set the screw aside.
- The front belt guard is now held in place only by a plastic rivet on the underside. Pry it free with your fingers and set the rivet and the belt guard aside.

Step 5 - Detach the cadence sensor



- The cadence sensor is mounted next to the axle on the right side. Use a 4mm Allen wrench to unscrew the bolt and washer holding the cadence sensor in place.
- Leave the bolt and washer in the sensor bracket, move the sensor to the outside of the front fork, and let it hang loose.

Step 6 - Remove the flywheel



- The axle bolts are located on the outside of the front fork, one on each side.
- Use a 5mm Allen wrench to unscrew both bolts. Set the bolts and their washers aside.
- Pull the flywheel forward and out of the bike frame, and set it down on a towel, a piece of cardboard, or another soft surface.
- **Be careful: The flywheel is very heavy.**

Step 7 - Remove the belt from the bike frame



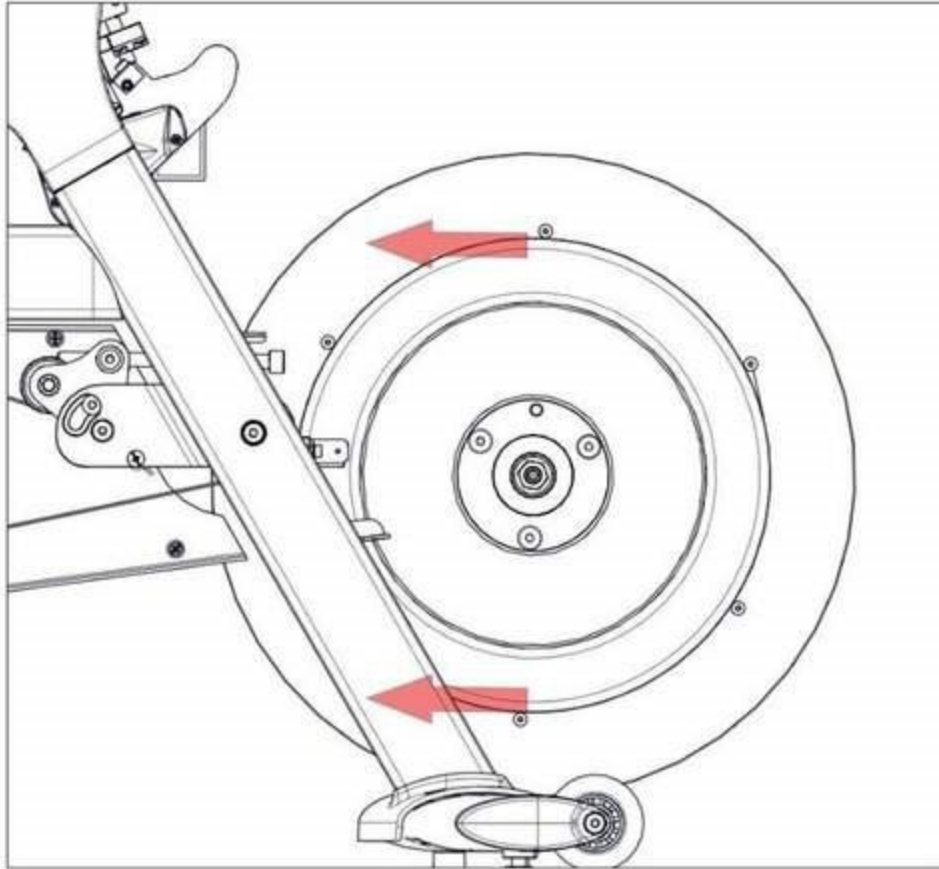
- Now that the flywheel is off, you can remove the belt from the bike frame.

Step 8 - Add the new belt to the flywheel



- Stand the flywheel upright at the front of the bike with the drive hub facing right.
- Loop the belt around the drive hub. The smooth side of the belt should face out.

Step 9 - Reinstall the flywheel



- Keeping the belt looped around the drive hub, lift the flywheel slightly and fit the ends of the axle into the axle rests inside the front fork.
- Use the 5mm Allen wrench and the two bolts and washers you removed in step 6 to secure the flywheel.
- Using an adjustable torque wrench and 5mm hex bit, tighten the flywheel bolts to 11 ft-lbs (14.9 N m).

Step 10 - Reattach the cadence sensor

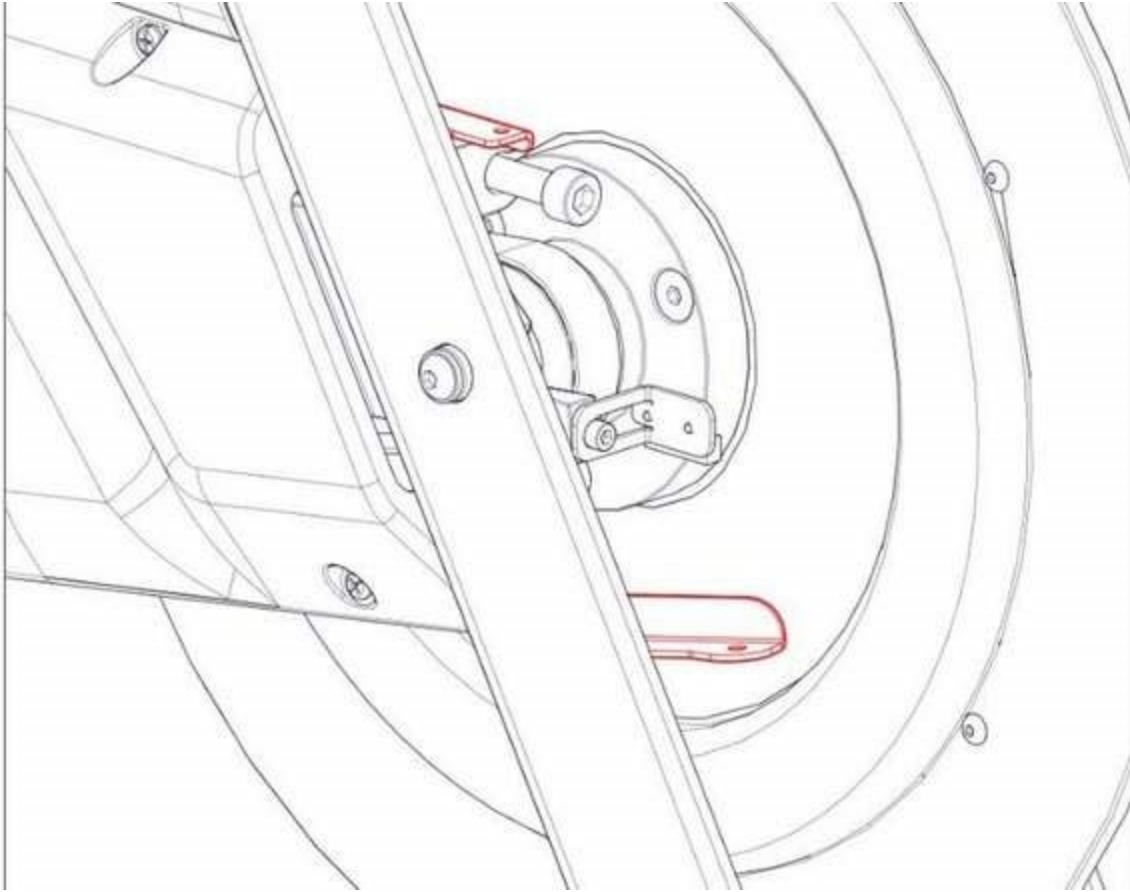


- Attach the cadence sensor to its mount at the right of the flywheel using the 4mm Allen wrench and the bolt and washer you removed in step 5.



- Before you tighten the bolt, make sure the painted dot on the sensor faces the flywheel.

Step 11- Reinstall the front belt guard



- The mounts for the front belt guard sit above and below the cadence sensor. Line the belt guard up against the right post of the front fork, making sure it doesn't pinch the cadence sensor wire.
- Secure the front belt guard to the top mount using the Phillips head screwdriver and the bolt you removed in step 4.
- Take the plastic rivet you removed in step 4 and push it into the bottom hole in the front belt guard to secure it to the bottom mount.

Step 12 - Install the belt to the pulley



- Fit the belt around the orange pulley, starting at the top. You won't be able to get it all the way around, but fit as much of the belt into the pulley's grooves as you can.
- Slowly rotate the crank arm counterclockwise, pushing the loose part of the belt onto the pulley as you go. The belt should track onto the pulley.
- If you're having trouble, try turning the resistance knob all the way counterclockwise.

Step 13 - Check/Adjust Belt Tension



- Check belt tension using Gates 507C or 508C Acoustic Gauge – tension must be between 95-102 Hz.
- Note this is higher than normal inspection to account for the belt loosening over time.

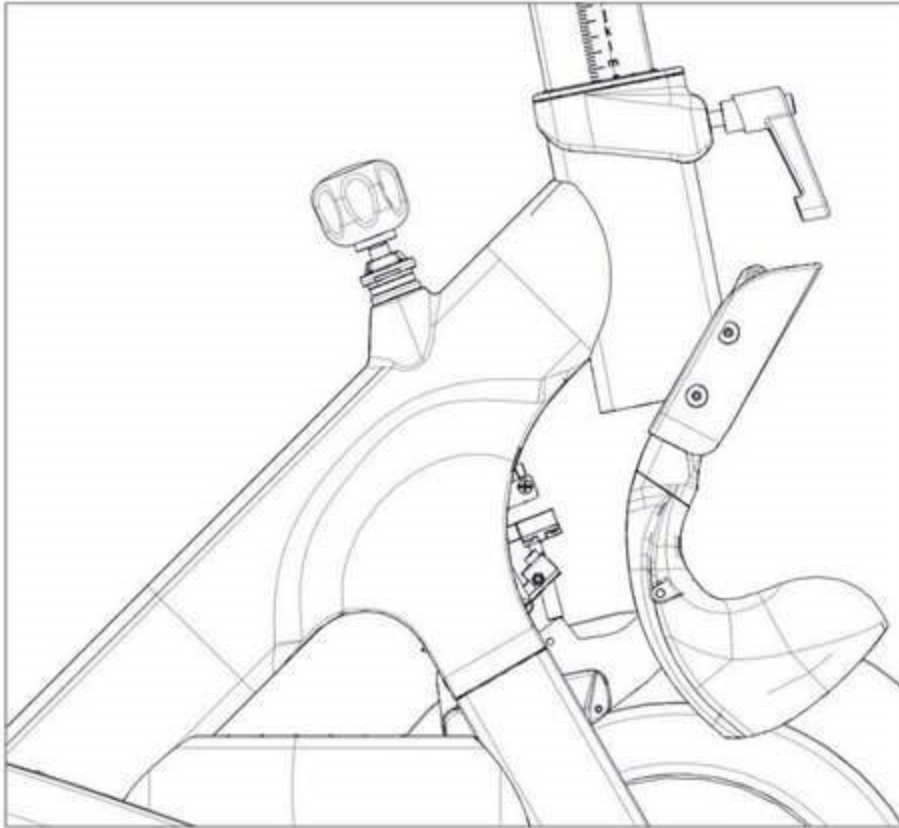


- If you don't have the tension gauge, use the Carbon Drive smartphone app by Gates to check the tension as shown (app available on both iOS and Android).
- Be sure there are no obstructions around your phone's microphone while testing (for example: a bulky/waterproof phone case).
- When checking the tension, use your finger to strum the bottom section of the belt.

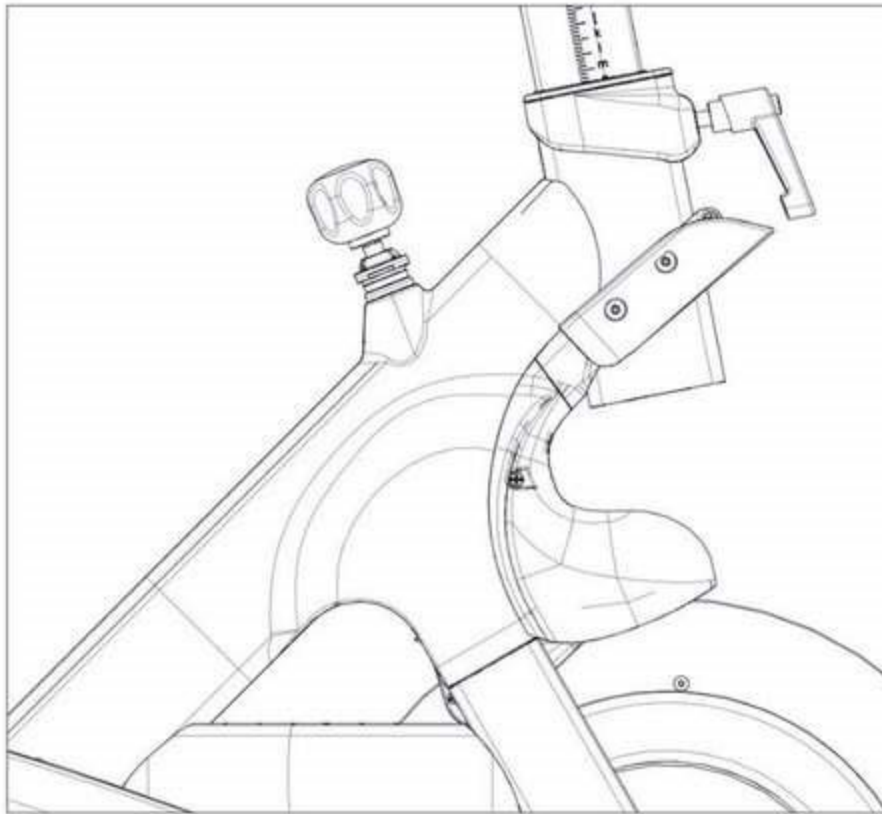


- If needed, adjust the Belt tension by using an 8mm Allen key to turn the hex-socket adjustment screw in the Idler Pulley Assembly (right side of the Flywheel).
- Recheck/Readjust tension as needed.

Step 14 - Reinstall the water bottle holder



- Slide the water bottle holder onto the bike frame as shown and press up and back until it is fully seated.



- Use the Phillips head screwdriver and the two screws you removed in step 3 to secure the water bottle holder.

Step 15 - Reinstall the outer belt guard



- Line the outer belt guard up over the pulley and belt. You may have to rotate the right crank arm to fit the belt guard into place.
- Secure the belt guard using the Phillips head screwdriver and the five bolts you removed in step one.
- The two longer bolts go in the holes at the front of the belt guard.
- The three shorter bolts go in the holes at the back of the belt guard, accessible from the left side of the bike.

Step 16 - Check for noise

- Turn the resistance knob far enough counterclockwise to allow you to pedal with a high degree of resistance.

- Pedal for about a minute, listening for the noise. If the belt isn't aligned correctly, you may be able to hear it brushing against other parts of the bike.
- If the noise is still present, contact Peloton Support for additional help.