

Wattbike **Servicing Manual** (WSM)



wattbike

1. Removal of covers

1.1 Removal of 1st generation covers

Tools required

2.5mm Allen key 3mm Allen key 4mm Allen key 5mm Allen key

6mm Allen key or 15mm pedal spanner 8mm spanner

10mm Allen key

Cross head screwdriver

Pliers or Flathead Screwdriver

Gear Puller

1.1a Right hand cover

1. Start with handle bar and saddle stem set to maximum height (do not exceed the minimum marking).
2. Use a cross head screwdriver to remove the 4 x 40mm screws either side of the handlebar and saddle stems.



3. Use a 2.5mm Allen key to remove the screw holding the cover to the frame.



4. Use a long screw driver to remove the 7 x 20mm cross head screws from the cover.



5. Use a 3mm Allen key remove the screw in the column of the magnetic resistance and lift the knob off.
6. Use a 10mm Allen key and insert it into the magnetic resistance column and rotate clockwise to wind the column below the cover.



7. Rotate the pedal so that it is parallel to the frame of the bike.



8. Pull the cover away from the bike threading it over the crank and pedal.



9. To replace reverse the process **N.B. be very careful do not over tighten the screws around the stems.**

1.1b Turbine cover

1. Use a 3mm Allen key to remove the bolt and nut from under the turbine cover (above the front stabilizing leg). Use a pair of long nose pliers or flat head screw driver to hold the nut.



2. Use a cross head screw driver to remove the 20mm cross head screws on the left hand side of the turbine.



3. Use a cross head screw driver to remove the 4 x 20mm screws attaching the turbine cover on the right hand side of the bike, ensuring you hold the turbine cover whilst removing it.



4. Remove the cover from the bike.



5. To replace reverse the process.

1.1c Left hand cover

1. Using a 4mm Allen key loosen the fanwheel grub screw.



2. Use a 5mm Allen key to remove the bolt securing the fan wheel.



3. Remove the fan wheel. Occasionally the fan wheel can seize to the Axle. A gear puller may be required to help remove the fan wheel.



4. Use a 6mm Allen key or a 15mm pedal spanner to remove the pedal. **N.B This is a reverse/ left hand thread.**



5. Use a 2.5mm Allen key to remove the two Allen headed screws holding the cover to the frame.



6. Rotate the crank so that it is parallel to the framework of the bike.



7. Use a 4mm Allen key and an 8mm spanner to remove the 2 x Allen headed bolts on the left hand side.



8. Remove the left hand cover and thread down the left hand crank.



9. Reverse the process to replace.

1.2 Removal of 2nd generation covers

Tools required

2.5mm Allen key
4mm Allen key
3mm Allen key
Long 3mm Allen key
5mm Allen key
6mm Allen key or 15mm pedal spanner
8mm spanner
Flathead screwdriver
Pliers

1.2a Stem caps & step through cover

1. Move the seat stem and handlebar stem to the maximum height (do not exceed maximum marking).



2. Use a 2.5mm Allen key to remove the screws on either side of the saddle and handlebar stem caps.



3. Slide the stem caps up the stems.



4. Use a 2.5mm Allen key to remove the 4 screws on the step through cover.



5. Remove the step through cover.



1.2b Right hand cover

1. Use a flathead screwdriver to remove the magnetic adjuster dial sticker.



2. Use a 4mm Allen key and insert it in to the middle of the magnetic adjuster dial and unscrew the Allen headed bolt.



3. Rotate the knob so that magnetic resistance is fully on.

4. Remove the magnetic adjuster knob



5. Use a 3mm Allen key to remove the 4 long bolts either side of the saddle and handlebar stems. **N.B Keep separate from the other screws as these are a different length.**



6. Continue to remove the remaining 8 shorter bolts around the cover using a 3mm Allen key.



7. Rotate the right hand crank to be parallel with the metal framework.



8. Pull the cover away from the bike threading it over the crank and pedal.



9. Ensure the rubber stopper around the seat stems remain on the bike.
10. To replace cover reverse steps ensuring the rubber seals are aligned around the locking lever. PICTURE OF LOCKING LEVER SEALS.

1.2c Turbine cover

1. Using a 3mm Allen key remove the screw underneath the turbine



2. Using a 3mm Allen key remove all the screws attaching the turbine cover to the left hand cover



3. Use a 3mm Allen key to remove the 4x Allen headed bolts on the right hand side of the cover in the following order: 1, 2, 3, 4. Ensuring you hold the turbine cover whilst removing. SHOW NUMBERS ON PIC



4. Remove the cover.



5. Reverse the process to replace.

1.2d Left hand cover

1. Use a 3mm Allen key to remove bolt at rear of the bike.



2. Use a 4mm Allen key to loosen the grub screw on the fan wheel.



3. Using a 5mm Allen key remove the fan wheel screw.



4. Remove the fan wheel. Occasionally the fan wheel can seize to the Axle. A gear puller may be required to help remove the fan wheel.



5. Remove the left hand pedal using either 6mm Allen key or 15mm pedal spanner. **N.B. This is a reverse/left hand thread.**



6. Rotate the left hand crank to be parallel with the metal framework.



7. Remove 2 x Allen headed bolts on the left hand side using a 4mm Allen key and an 8mm spanner.



8. Remove the left hand cover and thread down the left hand crank.



9. Reverse the process to replace.

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