

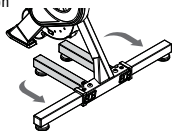
Whisper
DRIVE Smart

USER'S MANUAL

CODE: JBT-WHISPER-SMT

1. QUICK START GUIDE

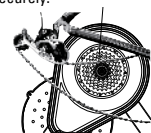
1. Open out the trainer legs and ensure they lock into position



2. Ensure that your WhisperDrive™ is installed with the correct cassette for your bicycle (See Section 4.2 and Section 6 for cassette installation and correct freehub).

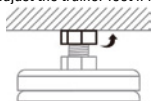


3. Remove the rear wheel from your bicycle and install on the trainer. It is important that the frame is installed evenly and the quick release lever is tightened securely.

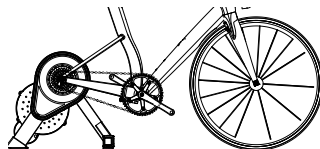


WARNING: Failure to securely attach the bicycle to the WhisperDrive™ could result in serious injury to the rider or bystanders. The Quick release skewer must be tightened firmly while bracing the bicycle with your other hand. When closed firmly the lever will leave a clear imprint on the palm of your hand.

4. Ensure the trainer WhisperDrive™ is placed on an even surface and adjust the trainer feet if necessary.



5. Climb aboard your bicycle, start pedalling and bring your chain up into an easy gear to begin warming up.



6. Download the MYJetBlack Pro Training App

FREE MyJetBlack Training App



**DOWNLOAD YOUR
FREE MYJETBLACK
TRAINING APP**



jetblackcycling.com/pages/jetblack-coaching-app-installation

Follow the above link and enter your Unique code supplied to receive your free My JetBlack Training App. JetBlack sell an assortment of trainers, our app works with at different levels depending on the trainer model

Unique Code: JBT-WhisperSmart

Contents

1. QUICK START GUIDE	i
2. SAFE USE GUIDELINES	2
1.1 WARNING	2
1.2 CAUTION	2
3. KEY COMPONENTS	3
4. PREPARING YOUR WhisperDrive™ Smart.....	4
4.1 ADJUSTING WhisperDrive™ Smart HEIGHT & LEVELLING	4
4.2 CASSETTE INSTALLATION & REMOVAL	5
4.3 BICYCLE AXLE WIDTH SETUP	8
5. USING YOUR WhisperDrive™ Smart	9
5.1 BICYCLE MOUNTING INSTRUCTIONS	9
5.2 RESISTANCE	10
5.3 RIDING THE WhisperDrive™ Smart	10
5.4 CONNECTIVITY	10
6. REPLACING YOUR FREEHUB BODY	11
7. CARING FOR YOUR WhisperDrive™ Smart	13
7.1 MAINTENANCE	13
7.2 STORAGE	13
7.3. TROUBLE SHOOTING	14
8. SPECIFICATIONS	15
9. WhisperDrive™ Smart SPARE PARTS	16
10. WARRANTY	17

2. SAFE USE GUIDELINES

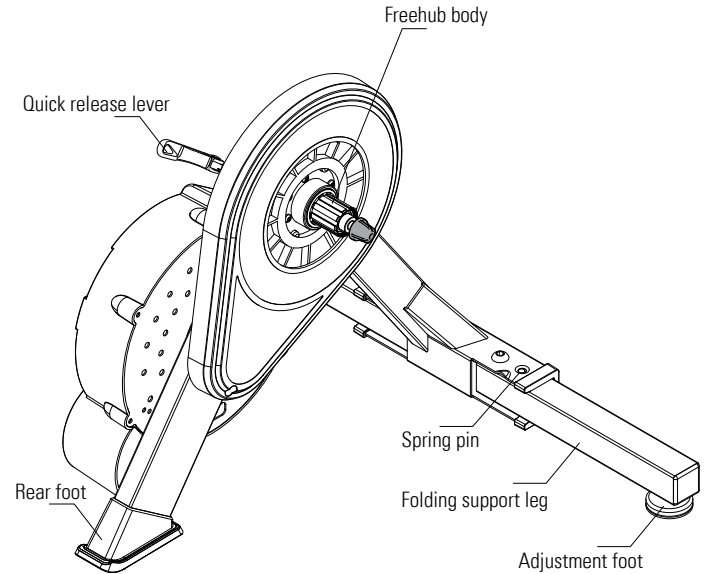
2.1 WARNING

- Read and follow all instructions concerning WhisperDrive™ Smart setup and installation of your bicycle onto the WhisperDrive™ Smart.
- Failure to securely attach the bicycle to the WhisperDrive™ Smart could result in serious injury to the rider or bystanders. The Quick release skewer must be tightened firmly while bracing the bicycle with your other hand. When closed firmly the lever will leave a clear imprint on the palm of your hand.
- Check your bicycles user manual to make sure use on bicycle trainers is not excluded.
- When using the WhisperDrive™ Smart keep both hands on handlebar at all times.
- Always take care when training to prevent children or pets moving close to the WhisperDrive™ Smart.





2.2 CAUTION

- This WhisperDrive™ Smart is intended for single-rider bicycles only.
- Read and follow all instructions.
- Be sure your bicycle is in good working order and fits you properly.
- Before beginning each workout, you must check the bicycle is securely attached to the WhisperDrive™ Smart.
- The WhisperDrive™ Smart must always be used on a flat surface.
- Do not use the WhisperDrive™ Smart in wet conditions, this may harm the electronics.
- Do not put fingers, feet or dangling objects near any moving parts.
- Do not attempt to dismount until all moving parts have stopped.
- Do not attempt to modify your JetBlack WhisperDrive™ Smart.
- Do not attempt to stop the resistance unit or flywheel manually.
- The resistance unit housing may become hot. Be careful not touch resistance unit housing until it has had sufficient time to cool.
- Keep children and pets away from the WhisperDrive™ Smart during use.
- Before you start any exercise program you should consult a physician. Should you become ill, feel dizzy, light-headed or nauseous while riding the WhisperDrive™ Smart, stop riding immediately and seek medical attention.

3. KEY COMPONENTS



INCLUDED:

-  142mm Frame conversion cap R
-  142mm Frame conversion cap L
-  Wrench for foot adjustment
-  Freehub spacer for 10spd cassettes 1.85mm

4. PREPARING YOUR WhisperDrive™ Smart

4.1 ADJUSTING WhisperDrive™ Smart HEIGHT & LEVELLING

1. Setup your trainer on the ground and unfold the legs for stability. Ensure that each leg has clicked and is secure in the open position. (Figure 1)
2. Level the trainer by adjusting the feet left to right (Figure 2)

NOTE: If the trainer axle needs to be raised you can adjust the feet by a maximum of 30mm raising the trainer 15mm at the axle.

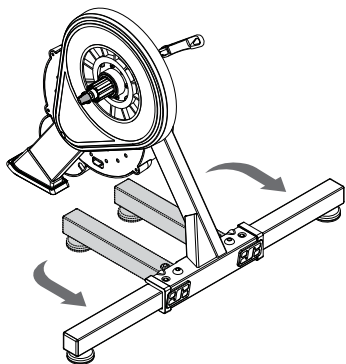


Figure 1

3. Once the height has been adjusted, tighten the upper nut to lock the feet in place. See figure 3

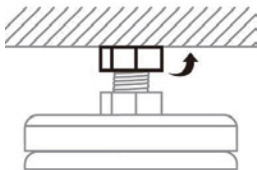


Figure 3

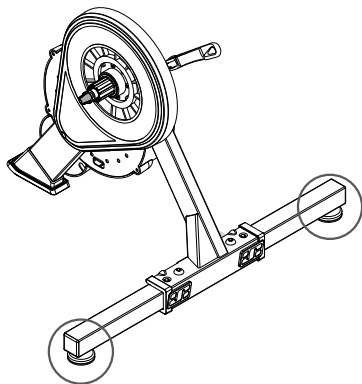


Figure 2

4.2 CASSETTE INSTALLATION and REMOVAL

IF YOU ARE UNCERTAIN ABOUT YOUR ABILITY TO PERFORM THE SETUP PROCEDURE BELOW PLEASE CONTACT YOUR LOCAL BICYCLE REPAIR SHOP

INSTALLATION:

1. Check the table below to find out which spacer configuration you will need for your cassette. The WhisperDrive™ Smart comes ready for a Shimano/SRAM cassette. If using Campagnolo or XX1 you will need to change your freehub. See section 6. You will also need the correct cassette lock ring removal tool for your groupset.

Freehub Body	Cassette Type	Spacer Required
Shimano/SRAM 11-speed	Shimano 9	1.85mm
	Shimano 10	1.85mm + 1mm*
	Shimano 11	NO
	SRAM 9	1.85mm
	SRAM 10	1.85mm
	SRAM 11	NO
Campagnolo (9/10/11)	All Campag	NO
SRAM XD Driver (11 Speed MTB)	SRAM MTB 11 (XD/XX1)	NO

*1mm spacers come supplied with 10spd cassettes

2. Install the spacer or spacers required behind the cassette onto the freehub body. Load the cassette sprockets onto the freehub body. See figures 5, 6. (Refer to the manufacturer's instructions if necessary)
3. Because there is no wheel to brace against when you are tightening the locking ring, you will need to apply a chain whip onto the cassette in reverse to be able to tighten the locking ring. See figure 4.

4.2 CASSETTE INSTALLATION and REMOVAL cont'd

4. Install the locking ring to the recommended torque value list on the locking ring

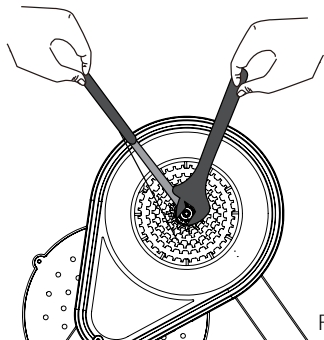


Figure 4

NOTE: Make sure that the cassette spins counter-clockwise freely. If the cassette does not spin freely, remove the axle end cap, slide the freehub body off the spindle and check the freehub body spacer is installed. Section 6.4

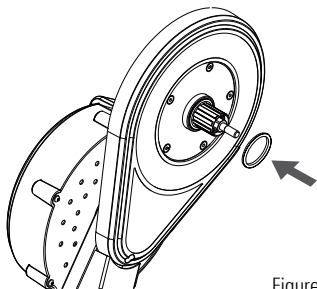


Figure 5

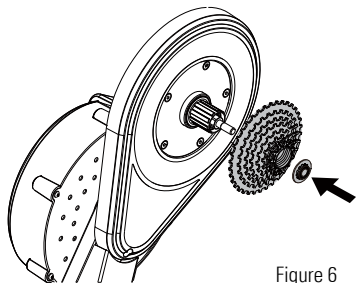
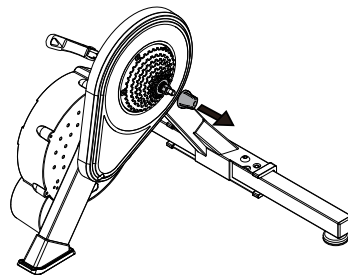


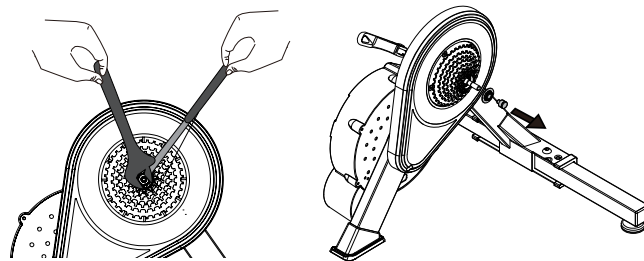
Figure 6

REMOVAL:

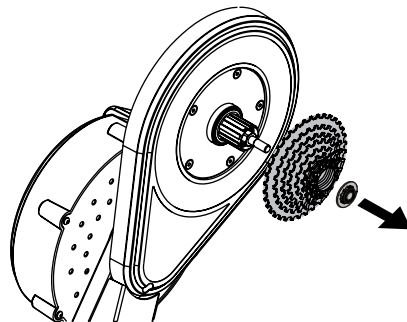
1. Release the quick release and remove from the trainer.



2. Use a chain whip and spanner to loosen the axle end cap and remove from the trainer.



3. Remove the cassette by sliding it outwards.



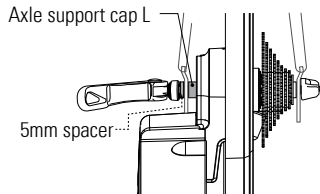
4.3 BICYCLE AXLE WIDTH SETUP

IF YOU ARE UNCERTAIN ABOUT YOUR ABILITY TO PERFORM THE SETUP PROCEDURE BELOW PLEASE CONTACT YOUR LOCAL BICYCLE REPAIR SHOP

Follow the below instructions for converting between each axle system.
The WhisperDrive™ Smart is compatible with:

130mm QUICK RELEASE:

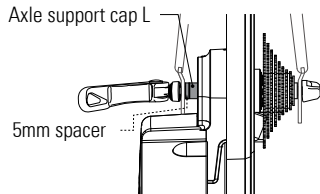
The 5mm spacer on the quick release assembly goes on the outside of the bicycle frame.



130mm

135mm QUICK RELEASE:

The 5mm spacer on the quick release assembly goes on the inside of the bicycle frame.






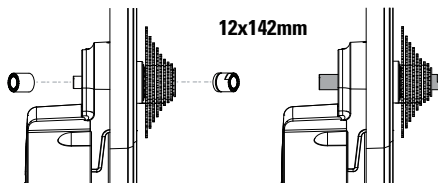
135mm

12 x142mm THRU-AXLE:

You will need to install the 12x142mm thru-axle frame conversion caps.

1. Remove the quick release skewer assembly and axle end caps.
2. The drive side cap can be removed with a 5mm Hex/Allen Key.
(The non drive side is loose and can be removed by hand).
3. Drive side is installed with a 17mm wrench or cone spanner
4. Non drive side can be pressed onto the spindle by hand. It is held in place with an O-ring.
- 5.

-  142mm Frame conversion cap R
-  142mm Frame conversion cap L
-  148mm Boost conversion cap L
(Sold separately)



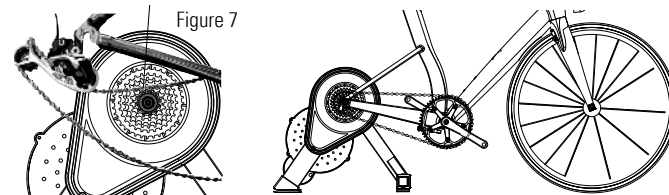
5. USING YOUR WhisperDrive™ Smart

5.1 BICYCLE MOUNTING INSTRUCTIONS

NOTE: The WhisperDrive™ Smart is shipped from the factory equipped with a Shimano/SRAM 8/9/10/11-Speed cassette freehub body. If your bike is equipped with a Campagnolo or XX1 drivetrain you will need to purchase a corresponding freehub body. Installation instructions for the freehub body can be found Section 6.

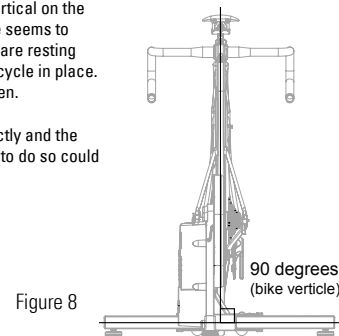
Bicycle axles come in a range of sizes. Please make sure step 4.3 is completed before proceeding.

1. Shift the chain on your bicycle to the smallest sprocket on the rear cassette.
2. Open the rear brake callipers on your bicycle and remove wheel.
3. Be sure to position the 5mm spacer properly, based on the type of bicycle you are using. (See section 4.3)
4. With the rear wheel removed guide the rear of your bicycle over the top of the WhisperDrive™ Smart and ensure that the chain rests on the smallest sprocket of the cassette.



5. Once the bicycle is sitting square on the trainer **FIRMLY** tighten close the quick release lever **IMPORTANT:** Securely clamping the bike to the WhisperDrive™ Smart with the quick release skewer takes considerable force. You will need to brace the trainer bicycle with one hand as you do the lever up with the other. The lever should leave a clear imprint in the palm of your hand. If it was not firm to close then the bicycle may slip. Open the lever; turn the nut clockwise a quarter turn and then try again.
6. Press the saddle down, and lift the front tyre from the ground to confirm that the frame has been completely fixed to the machine
7. Visually inspect and confirm that the bicycle is vertical on the WhisperDrive™ Smart (See figure 8). If the bicycle seems to leaning to one side, confirm the bicycle dropouts are resting on the axle caps and the skewer is holding the bicycle in place. Also check that the adjustable trainer feet are even.

WARNING: The above steps must be followed correctly and the Quick Release skewer must be firmly closed. Failure to do so could result in serious injury.



5.2 RESISTANCE

The WhisperDrive™ Smart is Electronically driven, meaning resistance is controlled by MYJetBlack Training App or some third-party platforms via Bluetooth or ANT+ FEC protocol. The resistance cannot be manually adjusted without using these systems. If no ANT+ or Bluetooth device is used the Trainer will by default set itself to feel like a Fluid trainer. Meaning the Whisper Smart has a built-in power curve. Giving you a road like feel when not being connected.

5.3 RIDING THE WhisperDrive™ Smart

Ensure bicycle is mounted correctly as per the mounting instructions in Section 4.

1. GETTING STARTED

Before beginning each workout, be sure to check that the bicycle is securely attached to the WhisperDrive™ Smart. If it's your first time on the WhisperDrive™ Smart, take it easy for the first few minutes and begin to familiarise yourself with the shifting and resistance levels. Be careful not to suddenly shift into resistance levels six and seven as it may put you off balance. Shift through the gears to ensure clean and proper shifting. Most bikes will have perfect gear alignment. However, occasional differences between bicycle wheels/hub brands may cause the gears to be slightly out of alignment. See gear alignment section 7.1.

CAUTION

The WhisperDrive™ Smart has been designed for both seated and standing pedalling. However, please use caution when sprinting in a standing position as the bike and trainer may tilt. Try to keep side to side body movement to a minimum.

3. Before dismounting, allow the WhisperDrive™ Smart. to come to a complete rest.

NOTE: To make your indoor workout as quiet as possible, set the WhisperDrive™ Smart. on a JetBlack Trainer Mat. The MyJetBlack Training App has a range number of training sessions. We recommend downloading this free app to get the most from your WhisperDrive™ Smart.

5.4 CONNECTIVITY

Start pedaling and the light will flash letting you know you both ANT+ and BLUETOOTH are working. Pair with App or Third party Platforms.

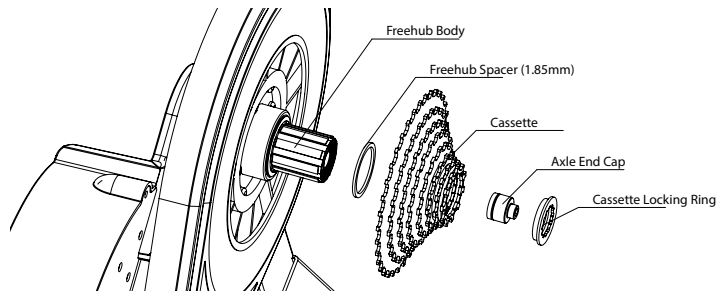
5.5 CALIBRATION

Every month we suggest you calibrate your WhisperDrive™ Smart. Please follow instructions within MYJetBlack Training App. You will find the Trainer Calibration within settings. Calibration is done to ensure your signals between the Trainer and App are correct.

6. REPLACING YOUR FREEHUB BODY

IF YOU ARE UNCERTAIN ABOUT YOUR ABILITY TO PERFORM THE SETUP PROCEDURE BELOW PLEASE CONTACT YOUR LOCAL BICYCLE REPAIR SHOP

IMPORTANT: Be careful when replacing a freehub body as there are several small parts that could fall out or get damaged if installed incorrectly. Warranty does not cover damage to the bicycle and/or WhisperDrive™ Smart in the event of incorrect installation.



1. If the cassette is not already removed please follow the instruction for cassette removal in section 4.2.
2. With the cassette removed, you will now need to remove the axle end cap on the drive side by rotating it counter clockwise. Figure 9
 - QR 130/135mm configuration will require a 5mm Hex/Allen key.
 - 12x142mm configuration will require a 17mm wrench/cone spanner.

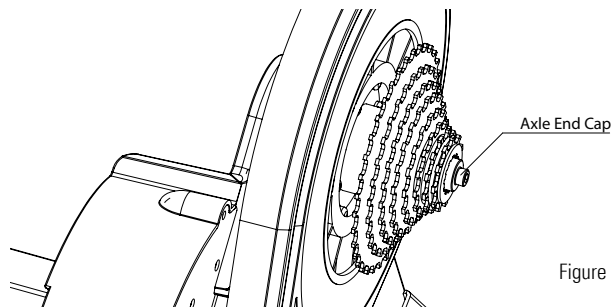


Figure 9

- With the cap removed you will now be able to slide the freehub body off the spindle by gently pulling outwards, in some cases it may require rotating the freehub body counter clockwise to disengage the pawls. See figure 10
- Check the freehub spacer remains on the spindle.

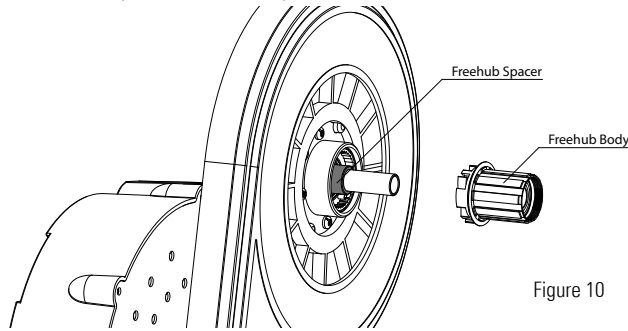


Figure 10

- Now install the new freehub body onto the spindle. Twist the freehub counter clockwise to help the pawls seat into the ratchet ring. You should not be able to see the pawls once the freehub is installed.
- Re-install the axle end cap (removed in section 6.2).
- Torque the axle end cap to 7.4N.m.

CAUTION: Over-torquing the axle end cap may cause damage to the bearings or thread

7. CARING FOR YOUR WhisperDrive™

7.1 MAINTENANCE

- When used according to the manufacturer's instructions and cared for with common sense, your JetBlack WhisperDrive™ Smart will provide a lifetime of training.
- Wipe any sweat off after a workout.
- Keep the machine away from any corrosive substances, such as salt or other potentially hazardous materials.
- Do not clean or degrease your bicycle chain while the bike is mounted on the WhisperDrive™ Smart because solvents may cause irreparable damage.
- Regularly check your WhisperDrive™ Smart, particularly the mounting system, for damage. If you think your WhisperDrive™ Smart may be damaged, do not use it and contact your supplier.
- We recommend cleaning and re lubricating your freehub body at least once every two years. The procedure is identical to servicing a bicycle freehub. If your freewheel has become noisy, we recommend cleaning and then liberally lubricating the freehub body.

7.2 STORAGE

To store or transport your WhisperDrive™ fold the legs back into the closed position. The legs can be released by pressing the spring pin and as shown in figure 11 below:

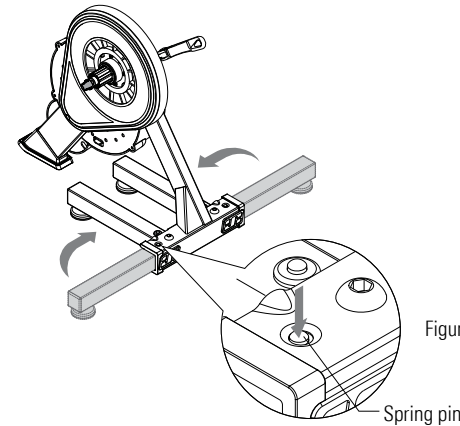


Figure 11

Be careful when folding the legs to avoid pinching your fingers. Grasp the WhisperDrive™ Smart frame by the forward down tube and lift.

Store the WhisperDrive™ Smart indoors, out of the rain and away from temperature extremes. Keep the WhisperDrive™ Smart away from any corrosive substances, such as salt or other potentially hazardous materials.

7.3. TROUBLE SHOOTING

DIFFICULTY LOADING YOUR BIKE ONTO THE TRAINER

1. Loosen the quick release skewer and ensure that there is enough space for the dropouts to fit onto the axle.
2. Check to make sure that the spacers are positioned on the correct side of the frame dropout. See Section 5

THE TRAINER SEEMS UNSTABLE OR ROCKS WHILE RIDING

1. Make sure that the WhisperDrive™ Smart is located on a level floor
2. Ensure that the levelling feet on the WhisperDrive™ Smart base are adjusted and locked firmly
3. Check that the bicycle is mounted properly following the instructions in this manual. Section 5
4. If the unit still feels unstable please contact your nearest dealer.

EXCESSIVE VIBRATION WHILE RIDING

1. Check that the bicycle is mounted properly following the instructions in this manual. Section 5
2. If the vibration is still present please contact the nearest dealer.

REAR DERAILLEUR SKIPS SHIFTS WHILE RIDING

NOTE: The WhisperDrive™ Smart is designed to be compatible with most bicycles. However, there are some cases where the wheel/hub spacing on a bicycle may slightly vary causing the derailleur to be misaligned.

1. If the bike/trainer skips or miss-shifts:
2. Check that the bicycle is mounted properly according to the instructions section 5.
3. Check that the correct spacers are used behind the cassette (cassette spacing table in section 4.2)
4. Check that the derailleur, shifters and cassette are the same speed and brand.
5. Check your drivetrain for wear
6. If the problem still persists you can make small adjustments on the gear cable barrel adjuster.

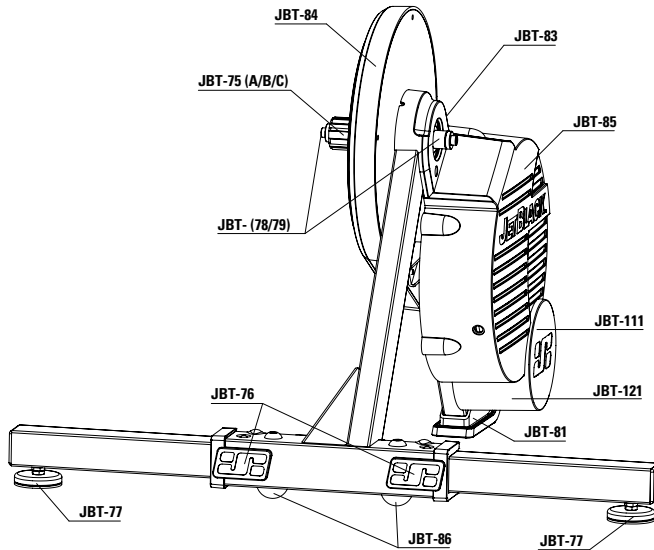
CONNECTIVITY FAILURE:

If you experience total connectivity failure, first checking connectivity light and other third party devices to ensure Trainer is at fault. If so, do not pull trainer apart as this will void any warranty. Contact the place of purchase for instructions.

8. SPECIFICATIONS

Max Resistance (watts) at 60kph	2500
Resistance System	Magnetic
Resistance Adjustment	App Controlled
iOS & Android App Version	MyJetBlack Training App
Included Accessories / Adapters	QR Skewer 5mm Spacer 130/135mm 12x142mm Conversion Caps Spacer For 10spd Cassette
Bike Axle Compatibility	130mm, 135mm (QR & Boltup) 12 X 142 with Trainer Axles
Drivetrain Compatibility	Shimano/SRAM10/11spd (10spd spacer included) (Campagnolo & XX1(XD) freehub bodies sold separately)
Wheel Size Compatibility	26", 27.5", 29" 700c (for 20" / 24" riser may be block required)
Maximum load (excluding bicycle)	100kg / 220 lbs
Flywheel Weight	6.5kg / 17.5lbs
Noise Level	Ultra Quiet
Ready to Ride	Install your cassette and start training
Warranty	Limited Lifetime. The WhisperDrive™ Smart Electrical components all come with a one year limited warranty.
Size of trainer	700x552x490mm L*W*H (27.6x21.7x19.3 inches)
Size after folding	257x552x490mm L*W*H (10.1x21.7x19.3 inches)
Weight	17kg / 45.5lbs

9. WhisperDrive™ Smart SPARE PARTS



WHISPERDRIVE SPARE PARTS

JBT-75A	JB WhisperDRIVE Freehub body - Shimano / SRAM w' 10 Speed Spacer
JBT-75B	JB WhisperDRIVE Freehub body - Campagnolo 9/ 10/ 11 Speed
JBT-75C	JB WhisperDRIVE Freehub body - XD Driver for SRAM 11 Speed MTB Cassette
JBT-76	JB WhisperDRIVE Folding Leg Shim
JBT-77	JB WhisperDRIVE Adjustable Foot
JBT-78	JB WhisperDRIVE QR130/ 135mm Axle Assembly - (end caps spacer + skewer)
JBT-79	JB WhisperDRIVE 12x142mm Conversion Kit - (axle end caps L+R)
JBT-80	JB WhisperDRIVE SunRace Resistance Shifter Assembly - (Shifter & Cable)
JBT-81	JB WhisperDRIVE Rear Foot
JBT-82	JB WhisperDRIVE Drive Belt
JBT-83	JB WhisperDRIVE Drive Side Axle Housing
JBT-84	JB WhisperDRIVE Drive Side Housing
JBT-85	JB WhisperDRIVE Non Drive Side Housing
JBT-86	JB WhisperDRIVE Leg Pivot Nut Cap
JBT-111	JB WhisperDRIVE Smart Rechargeable Battery 18650B 3.7V 3250MAH
JBT-121	JB WhisperDRIVE Smart Wireless Control Board

10. WARRANTY

JetBlack aims to provide the highest possible quality at all times. However, should you have any issues with your product please notify us immediately.

The JetBlack WhisperDrive™ Smart comes with a limited lifetime warranty. This warranty is not applicable to damage caused by, misuse, abuse, neglect, accident. It does not cover general wear and tear, unauthorised modification or failure to follow instructions or warnings in owner's manual. Units which use batteries or computer display units come with a one year warranty.

It is the responsibility of the purchaser to retain receipts for proof of purchase in the event that warranty is required.

If you have any questions or would like to resolve an issue, please visit the JetBlack website for trouble shooting information, frequently asked questions and instructional videos. If you have any other questions or issues please feel free to email us.

info@jetblackcycling.com

www.jetblackcycling.com

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- View: Gear Recommendations, Goal Cadence, Session Time, Session Profiles. Optional accessories allow upgrades to include, Speed, Cadence, Heart Rate, Power (watts) and Calories Burnt



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