

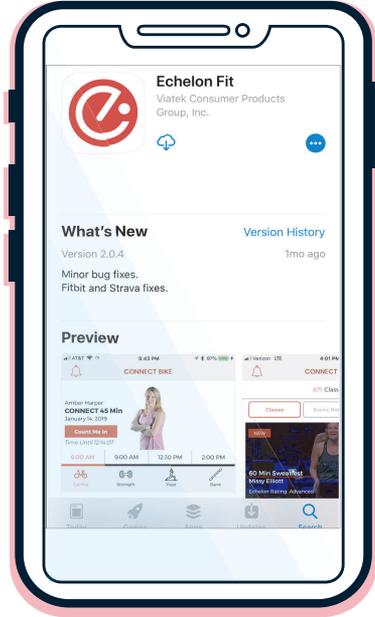
ROW

SERVICE MANUAL



INCLUDES

- | | |
|------------------------------|----------------------------|
| 1. Echelon® Row Base | 8. M8*20 screw with washer |
| 2. Echelon® Row Rail | 9. Hex Key |
| 3. Rear Foot | 10. Left Foot Carriage |
| 4. Front Foot | 11. Right Foot Carriage |
| 5. M8*16 screws | 12. Seat |
| 6. M10*25 screws with washer | 13. Adaptor |
| 7. M8*16 screw with washer | 14. Bracket |



ACCOUNT CREATION

Go to **member.echelonfit.com** and follow the on-screen instructions to choose a plan and setup your account. This info will be needed to login to your account on the Echelon Fit App.

All account info and plans are managed at member.echelonfit.com and use the same login. After creating your account login on member.echelonfit.com, write down your login info. This will be the same login for the App.

DOWNLOAD THE ECHELON FIT APP

Ensure latest version of the Echelon Fit™ App is installed from the Google Play Store or the App Store.

OPERATIONAL INSTRUCTIONS

Connect to the Echelon Fit app to access tutorials and operation instructions.





Step 1. Remove the bracket (No.14) and bolt with hex key.



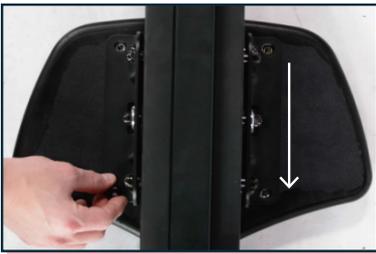
Step 2. Place the front foot and hand tighten screws (No. 6) into place.



Step 3. Tighten the screws with hex key.



Step 4. Set rower upright and adjust the arm of phone holder to your desired level.



Step 5. Place seat on ground and lay the rail onto seat so the screw holes on the bracket align with screw holes on seat.

*Arrow pointing towards side with handle.



Step 6. Place all four screws (No.7) into screw holes and tighten with hex key.



Step 7. Place the rail onto rail bracket.



Step 8. Place the four screws (No.5) into rail and hand tighten.



Step 9. Tighten screws with hex key.



Step 10. Align front foot with screw holes on the rail and hand tighten screws (No.8) into the foot.



Step 11. Tighten screws with hex key.



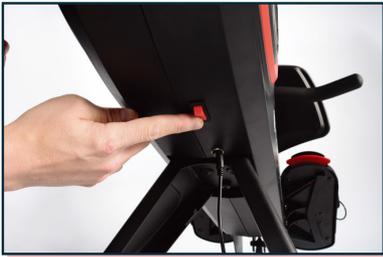
Step 12. Align the right foot carriage with the screw holes on the body of the rower and hand tighten the three screws.



Step 13. Tighten screws with hex key. Repeat with left foot carriage.



Step 14. Connect the power cord.



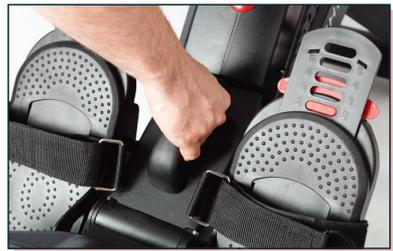
Step 15. Toggle the power switch, as shown above.



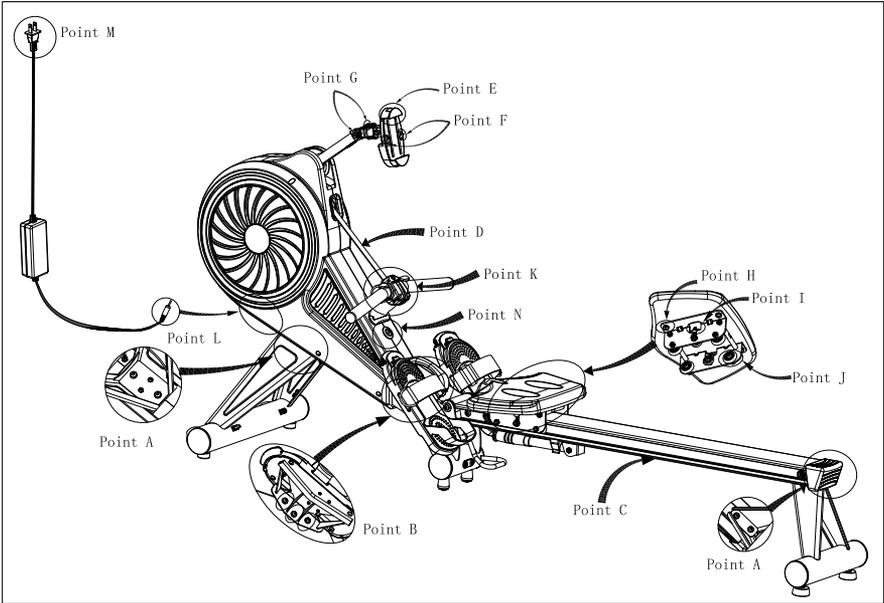
Step 16. Route the power cable through the cable routing clips legs, as shown above.



Step 17. To lower the rail, press down the foot pedal at the joint and lower the rail gently to the ground.



Step 18. To lock in place, pull up on this handle until you hear a click. Once you hear the click, the rower is safe to use.



Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine

-Step 1: Check if bolts on front / rear tube (Point A) are tight enough.

Yes ↓

No ↓

Step 2: Check if bolts on pedals (Point B) are tight enough.

Use tools to tighten up

Yes ↓

No ↓

Yes ↓

No ↓

Need to be evaluated case by case. Please provide
1. Product (Bluetooth) Serial number
2. Video and photo for further study

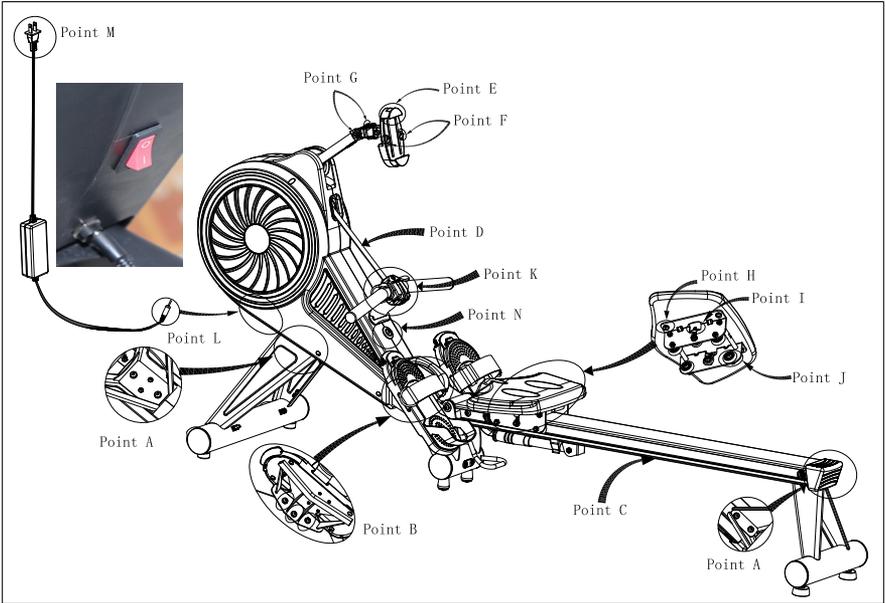
No noise after screwed

Still have sounds Check step 2

No noise after screwed

Case Closed

Case Closed



Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine

•Step 1: Check if M & L are connected properly, and power switch on as figure shown.

Yes

No

Step 2:
Swap to another power socket, and check again as last step 1.

Reconfirm if M & L are properly connected the power switch is turned on as figure shown.

Hearing a beep sound from Tension controller (Point K) indicates the power is on. The Bluetooth light (Point N) starts flashing.

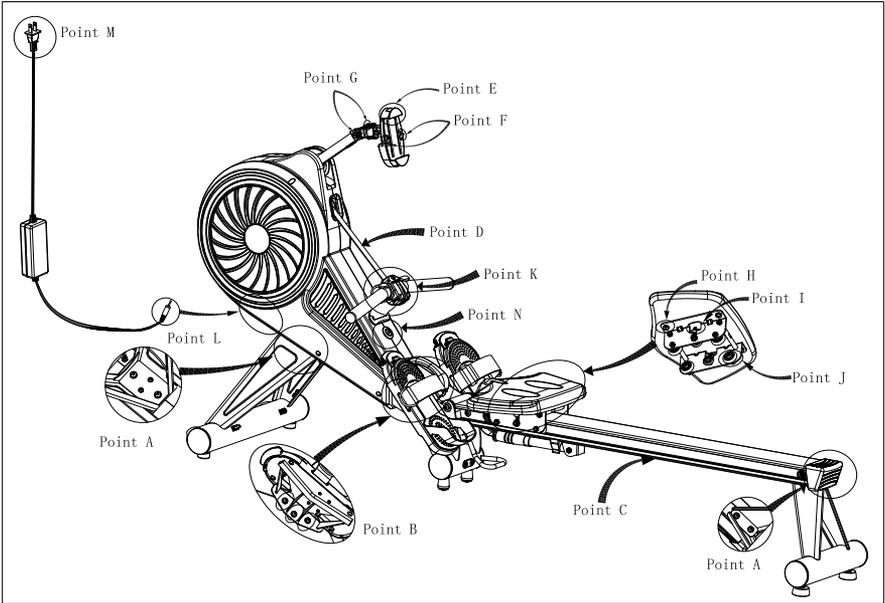
Yes ↓
Still not power on

↓
Power on Case Closed

Still not power on

Power on Case Closed

Need to be evaluated case by case.
Please provide
1. Product (Bluetooth) Serial number
2. Video and photo for further study.



Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine

•Step 1: Make sure Rowing machine is power on.

Yes

No

Step 2:
Make sure the cellular data is on and stable.
The mobile phone is near machine within 2 meter.

Reconnect the power plug and make sure the socket is functional.

Yes

No

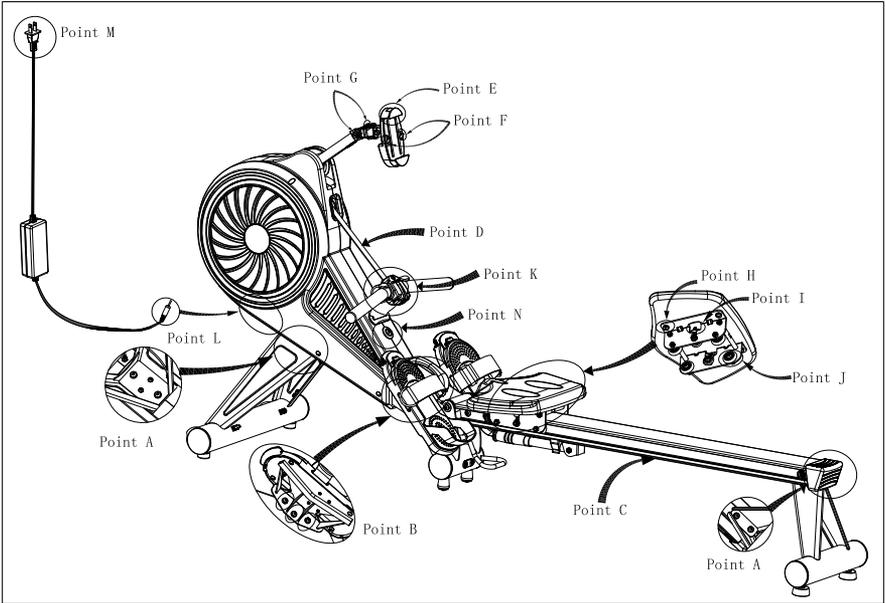
Step 3:
Make sure the bluetooth of mobile phone is switch on.

Connect to the internet and retest.

Power on Case Closed

**Still not power on
Please check Diagnostic procedures for power on**

**Need to be evaluated case by case.
Please provide**
1. Product (Bluetooth) Serial number
2. Video and photo for further study.



Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine

•Step 1: Make sure Rowing machine is power on.

Yes

No

Step 2:
Check Tension Controller (K) is paired with ECH-ROW.

Reconnect the power plug and make sure the socket is functional.

Yes ↓

No

Step 3:
Check the battery capacity of Tension controller (Point K) on APP. (Low battery alert.)
PS. Tension controller (Point K) beeps while adjusting the tension.

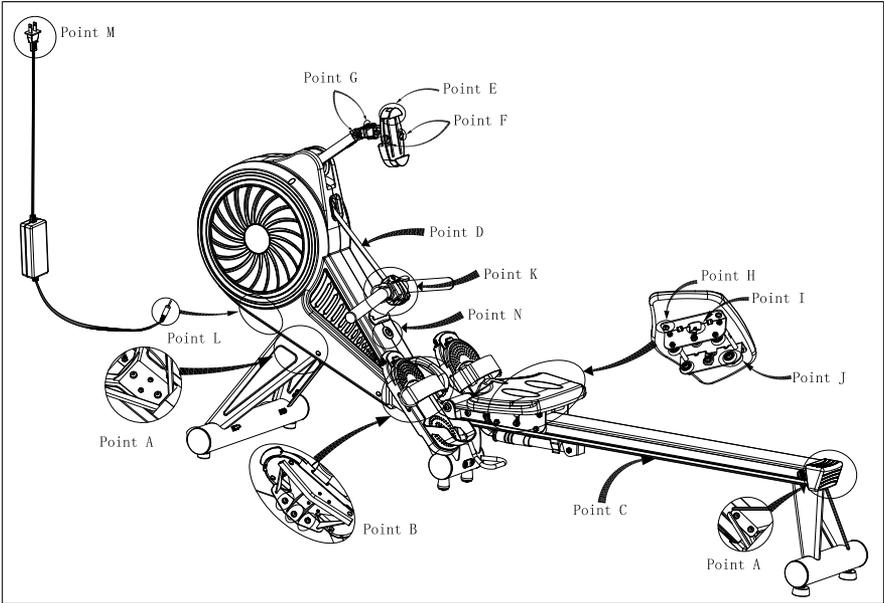
Re-pair the Tension controller (Point K) with ECH-ROW.
Bluetooth light on without flashing.

Tension adjustable.
Case Closed

Battery capacity is good. ↓

Need to be evaluated case by case.
Please provide
1. Product (Bluetooth) Serial number
2. Video and photo for further study.

Tension adjustable.
Case Closed



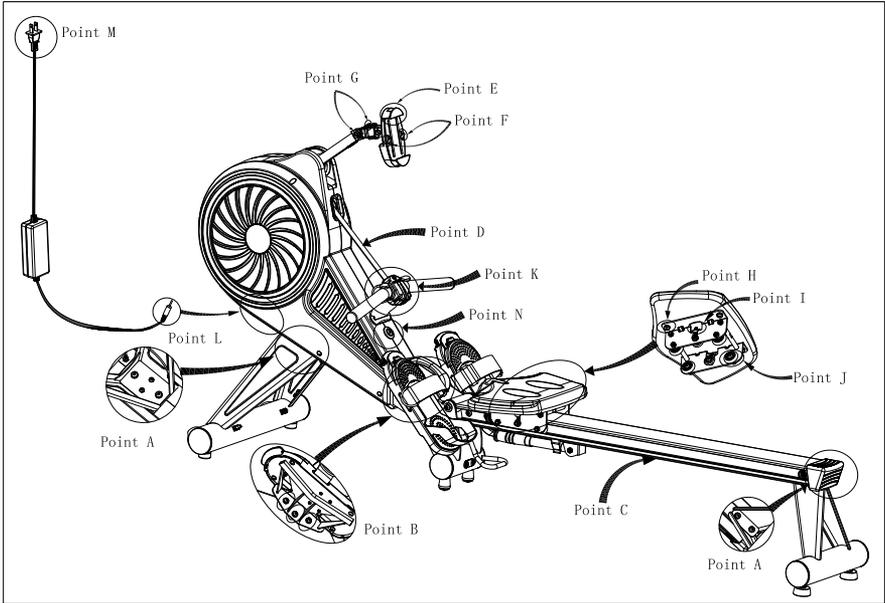
Point A	Screws of front and rear tube	Point H	Screw
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Point G	Axle of phone holder arm	Point L	Plug with rowing machine

1. Can't move seat - check Step 1 --> 2
2. The seat is unstable- check Step 1 --> 3 --> 2
3. It is not smooth while rowing. check Step 3 --> 4

if above can't solve the problem Need to be evaluated case by case.

Please provide Product (Bluetooth) Serial number & Video and photo for further study.

- Step 1: Check no obstacles on rail. (point C)
Use clean rag to clean the rail. Wipe the rail with a clean cloth.
- Step 2: Check the seat screws (POINT I)
If too tight, loosen it a bit to work smoothly.
If too loosen, tight it a bit to work smoothly.
- Step 3: Check the seat screws (POINT H)
If too tight, loosen it a bit to work smoothly.
If too loosen, tight it a bit to work smoothly.
- Step 4: Check the wheel (point J) stability and the appearance condition.



Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine

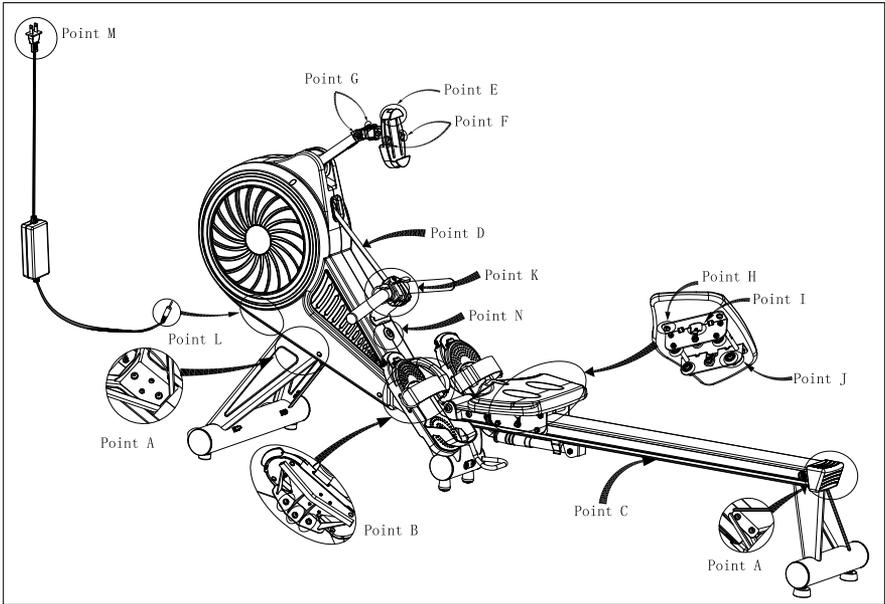
•Step 1: Check if M & L are connected properly, and power switch on as figure shown.

Yes
↓

Pull out the handle bar and Check whether the Mesh belt (Point D) remains elastic.

Yes
↓

**Need to be evaluated case by case.
Please provide**
1. Product (Bluetooth) Serial number
2. Video and photo for further study.
3. Total workout amount.



Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine

•Step 1: Check the phone holder extension condition. (Point E)

Condition good. ↓

Step 2: Check the phone holder middle plastic clamp condition. (Point F)

Condition good. ↓

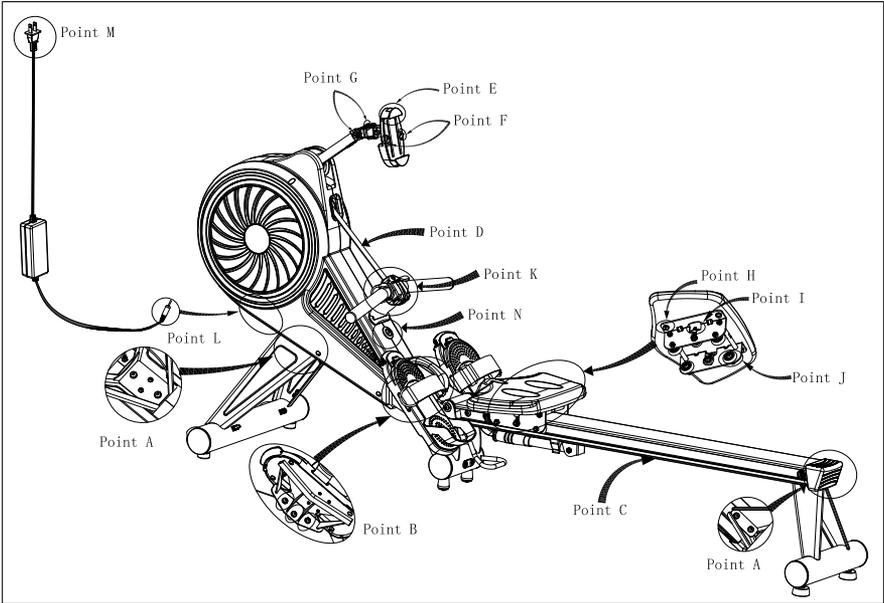
Step 3: Check the support tube axle condition. (point G)
If too tight, loosen it a bit to work smoothly.
If too loosen, tight it a bit to work smoothly.

Movement smoothly.
Case Closed.

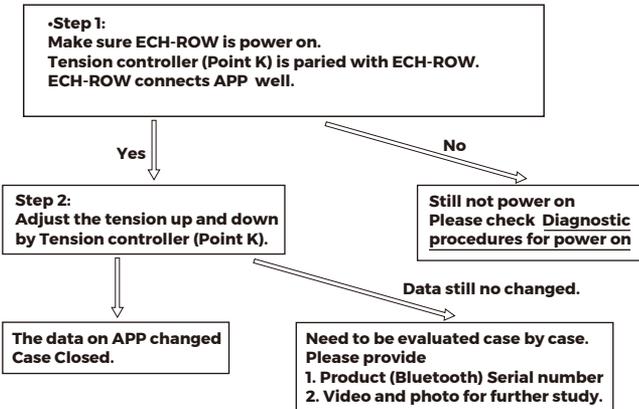
other issue. →
Need to be evaluated case by case.
Please provide
1. Product (Bluetooth) Serial number
2. Video and photo for further study.

⇒ Damage, or out of the clamp function.

↓
Please replace new phone holder.

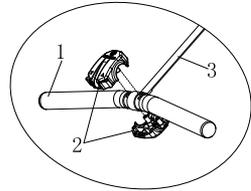


Point A	Screws of front and rear tube	Point H	Screw
Point B	Screws of foot rest	Point I	Adjusting screw
Point C	Monorail	Point J	Wheels
Point D	Mesh belt	Point K	Tension controller
Point E	Adjusting frame of phone holder	Point M	Plug in power socket
Point F	Phone holder lock slot	Point N	Bluetooth light
Point G	Axle of phone holder arm	Point L	Plug with rowing machine



Replacement of Handlebar Models: Echelon Row

**Read below instruction carefully.
Making sure you carefully screw in controller and
do not pull the wire out.
See more information in the instruction manual.**



TOOLS
Screwdriver

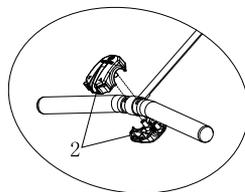
Step 1.		Step 2.
Flip the handle and place on the holder		Remove 5PCS of screws from controller
Step 3.	Step 4.	Step 5.
Open the old controller	Remove the old controller	Put old controller and screws aside
Step 6.		Step 7.
Remove the old handle from webbing (IMPROTANT!)		WARNING: MUST attach the webbing on the holder

Replacement of Handlebar
Models: Echelon Row

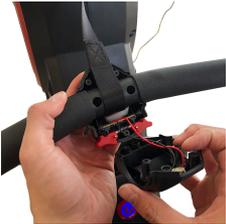
Step 8.		
Replace with new handle		
		
Step 9.		Step 10.
Re-assemble the controller		Place 5PCS of screws
		
Step 11.		
Tighten 5PCS of screws		Flip back handle. Handle replacement Complete
		

**Replacement of Controller and RE-Pairing Controller with Row
Models: Echelon Row**

**Read below instruction carefully.
Making sure you carefully screw in controller and
do not pull the wire out.
See more information in the instruction manual.**



**TOOLS
Screwdriver**

Step 1.		Step 2.
Flip the handle and place on the holder		Remove 5PCS of screws from controller
		
Step 3.	Step 4.	Step 5.
Open the old controller	Remove the old controller	Put old controller and screws aside
		
Step 6.		Step 7.
Place with new controller		Place 5PCS of screw
		

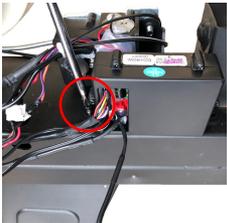
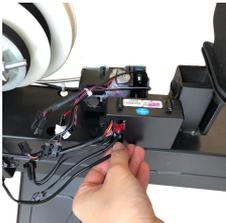
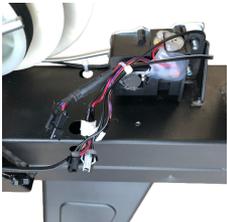
**Replacement of Controller and RE-Pairing Controller with Row
Models: Echelon Row**

Step 8.		
Tighten 5PCS of screw	Flip back and put onto the holder	
		
Step 9.		Step 10.
Switch off the rower	Press both tension control buttons simultaneously for 30 sec to reset RF	After 30 sec, the blue light in the controller box start twinkling
		
Step 11.	Step 12.	Step 13.
Put handle back onto the holder	Switch on the rower	Controller and rower are now connected
		

Replacement of Module controller
Models: Echelon Row

Read below instruction carefully.
See more information in the instruction manual.

TOOLS
Screwdriver

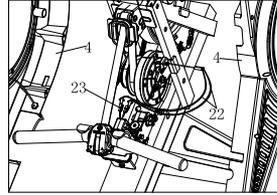
Step 1.		Step 2.	
Remove cable ties		Unscrew the BLT controller	
			
Step 3.		Step 4.	
Unscrew the BLT controller		Disconnect the cable	
			
Step 5.		Step 6.	
Remove the BLT Controller		Assemble new BLT controller (Tighten screws on main frame)	
			

Replacement of Module controller
Models: Echelon Row

Step 7.	Step 8.	Step 9.
Connect cables	Tie the cable.	Check connection.
		<p>1. Plug the power switch 2. Check all connection well. 3. If change the RF controller, check connection after replacement</p>

Replacement of Sensor
Models: Echelon Row

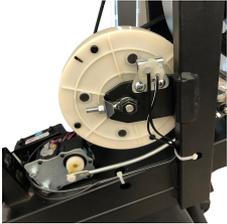
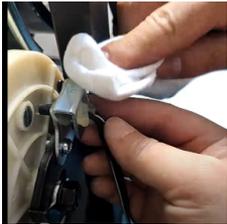
Read below instruction carefully.
See more information in the instruction manual.



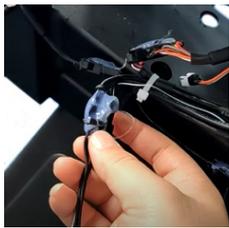
TOOLS

- Adhesive**
- Industrial alcohol**
- 2mm card- for check the distance between sensor and magnet**
- Screwdriver**
- Cable ties**
- Cutter**



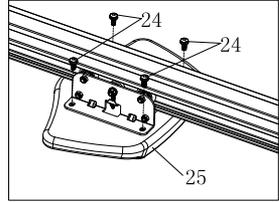
Step 1.	Step 2.	
Remove Cover	Remove cable ties	
		
Step 3.	Step 4.	Step 5.
Remove adhesive by industrial alcohol	Remove Sensor	Disconnect wire
		

Replacement of Sensor
Models: Echelon Row

Step 6.		Step7.
Replace new sensor		Make sure the distance between sensor and magnet is 2mm
		
Step 8.	Step 9.	Step 10.
Fix the distance by adhesive	Adhesive the connector	Fasten by cable tie
		
Step 11.		
<p>Connect APP to check if the input/ouput and resistance is functional.</p>		

Replacement of Seat Models: Echelon Row

Read below instruction carefully.
See more information in the instruction manual.

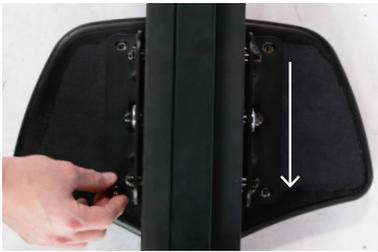


TOOLS



Place seat on ground and lay the rail onto seat so the screw holes on the bracket align with screw holes on seat.

*Arrow pointing towards side with handle.

Step 1.	Step 2.
Remove four screws(24) from seat	Replace with new seat and tighten it.
	

Replacement of Pedals included plastic parts. Models: Echelon Row

Read below instruction carefully.
See more information in the instruction manual.



TOOLS
S6 Hex Key
S4 Hex Key
Screwdriver



Step 1.	Step 2.	
Remove Pedal from main frame	Remove screws from back plate	
		
Step 3.	Step 4.	Step 5.
Replace the red plastic part	Replace black plastic part	Done
		

Replacement of Seat wheels Models: Echelon Row

Read below instruction carefully.
See more information in the instruction manual.



TOOLS
M14 sleeve tool
S6 Hex Key



Step 1.		
Remove rail cap		
		
Step 2.		
Remove the bolt from rail.		
		
Step 3.	Step 4.	Step 5.
Remove seat from rail.	Check which wheels you would like to replace.	Remove the broken wheels
		

**Replacement of Seat wheels
Models: Echelon Row**

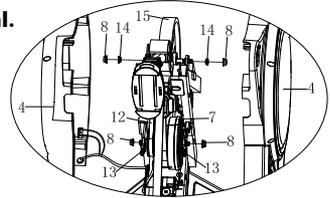
Step 6.	Step 7.	Step 8.
Re-assemble the controller	Tighten the wheels	Place 5PCS of screws
		
Step 9.	Step 10.	Step 11.
Tighten Bolt on rail.	Assemble cap on rail.	Finished
		

Replacement of flywheel Models: Echelon Row

**Read below instruction carefully.
See more information in the instruction manual.**

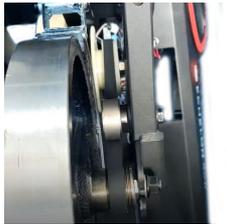
TOOLS

- Screwdriver**
- M14 sleeve tool**
- M10 wrench**
- M17 wrench**
- Measure**



<p>Step 1.</p>	<p>Step 2</p>	
<p>Remove the bolt from rail.</p>	<p>Loosen nuts (8) and (13) from coil.</p>	
<p>Remove cover</p>		
<p>Step 3.</p>	<p>Step 4.</p>	
<p>Remove the belt(12) from coil, the flywheel can only spin as arrow direction see picture.</p>	<p>Remove the nuts (8) and Powder metallurgy(14) from flywheel.</p>	
<p>Step 5.</p>	<p>Step 6.</p>	
<p>Assemble new flywheel (15)</p>	<p>Belt should be under pulley , and tighten the nuts (8) and Powder metallurgy(14) on main frame.</p>	

**Replacement of flywheel
Models: Echelon Row**

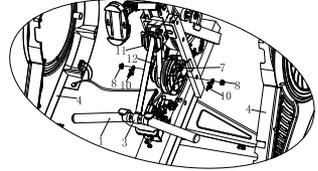
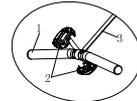
<p align="center">Step 7.</p>	<p align="center">Step 8.</p>	<p align="center">Step 9.</p>
<p>Tighten nut(13) on main frame</p>	<p>Assemble the belt on coil, make sure the direction as the picture while spin the flywheel</p>	<p>Make sure the belt in the middle of flywheel axle</p>
		
<p align="center">Step 10.</p>	<p align="center">Step 11.</p>	
<p>After belt on the coil, tighten nuts (13) again on main frame</p>	<p align="center">Check D- screw thread distance 17mm~18mm</p>	
		
<p align="center">Step 12.</p>	<p align="center">Step 13.</p>	<p align="center">Step 14.</p>
<p>Tighten nuts(8) on main frame</p>	<p>Belt should be one straight on the coil flywheel and pulley</p>	
		<p>Check everything is functional then assemble the cover.</p>

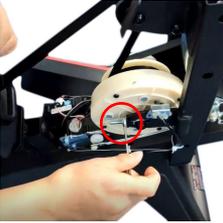
Replacement of coil Models: Echelon Row

Read below instruction carefully.
See more information in the instruction manual.

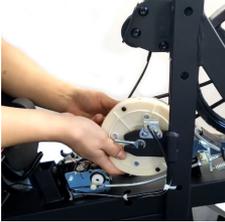
TOOLS

Screwdriver
M14 sleeve tool
M10 wrench
M17 wrench
S6 Hex Key

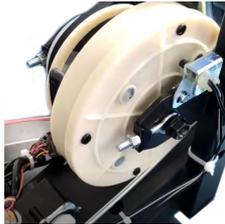


Step 1.	Step 2	
	Remove nuts(10) and plate	
Remove cover		
Step 3.	Step 4.	
Remove nuts(8)	Remove RF controller	
		
Step 5.	Step 6.	
Keep controller and screws aside	Remove the handlebar and cover cushion, must grip the mesh belt well.	
		

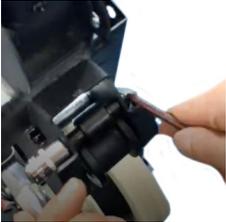
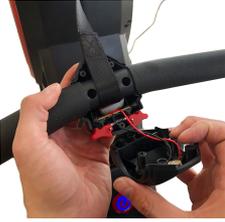
Replacement of coil Models: Echelon Row

Step 7.		
Let mesh belt go back to coil slowly		
		
Step 8.		Step 9.
Remove the belt(12) from coil, the flywheel can only spin as arrow direction see picture.		Remove the coil from main frame
		
Step 10.	Step 11.	Step 12.
Assemble the new coil	Put the belt on coil	As the step 8, it can only spin as arrow direction.
		

Replacement of coil
Models: Echelon Row

Step 13.		Step 14.
Make sure the belt as the picture.		Assemble the screw (10)
		
Step 15.	Step 16.	Step 17.
D shape put on right side.	Put the nut(8) on axle, do not tighten it.	Put the nut(10) and plate on
		
Step 18.		Step 19.
Tighten it and see the thread around 17-18mm		Tighten nuts(8) on main frame
		

Replacement of coil Models: Echelon Row

Step 20.	Step 21	
Remove the upper roller	Pull the mesh belt then across the lower roller hang on holder	
		
Step 22.	Step 23.	Step 24.
Assemble the upper roller	Assemble the cover cushion and handle bar	Assemble the controller
		
Step 25.		
Check everything is functional then assemble the cover.		
		