



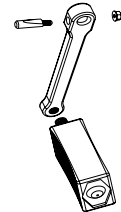


REF#	PART# GRAPHITE	2002 DARK GRAY (CHARCOAL)	DESCRIPTION
1	95501		FAN HUB ASSEMBLY
2	91322		BELT PROTECTOR
3	95502		FAN PROTECTOR W/ MAGNET
4	90830		BELT TENSIONER EYEBOLT SET
5	97990		CHAIN TENSIONER ASSEMBLY
7	95503		80T PULLEY
8	91312		22T PULLEY
9	95544	98715	LEFT LEVER ARM, GRAPHITE
10	95545	98711	RIGHT LEVER ARM, GRAPHITE
11	90485		FOOT REST GRIP PAIR
12	90489		LEVER ARM GRIPS & PLUGS SET
14	90484		LEVER ARM PIVOT BOLT
15	90804		PEDALS, PAIR
16	93079		SEAT
17	91313		SEAT POST
18	98063		COMPUTER (NEW LARGE WINDOW CNSL- 002-5179)
19	95507		SENSOR MOUNTING BRACKET
20	95509		FAN PROTECTOR MOUNTING BRACKET
21	98069		SEAT POST STOP
22	95510		13T INTERMEDIATE SPROCKET
23	95547		BEARING, 10/19 X 5.5/7T
24	95536		CONNECTING ARM
25	95537		RIGHT CRANK ARM
26	95533		BOTTOM BRACKET, UN52 68 X 122.5
27	91700		INTERMEDIATE BOTTOM BRACKET 68 X 113
28	95539		LEFT CRANK ARM
29	91311		PULLEY LOCKNUT LEFT HAND THREAD
30	91750		FLANGE BOLT
31	91055		ROLLER BEARING W/ SNAP RING
32	95540		RIGHT ECCENTRIC CRANK W/ 46 TOOTH SPROCKET
33	95513		DRIVE BELT
34	95514		CHAIN
35	98057		LEFT SHROUD
36	98058		RIGHT SHROUD
37	84994		T-HANDLE POP PIN
38	95546		CRANK BOLT WITH DUST CAP
39	50428		TINNERMAN NUT, BAG OF 10
40	95542		SEAT POST BUSHING SET
42	90481		LEVER ARM OILITE BUSHING
43	95543		LEFT ECCENTRIC CRANK
44	95531		FLANGE FOR 80 TOOTH PULLEY
45	95529		TRANSPORT WHEEL ASSEMBLY
46	90873		AIRDYNE TRANSPORT BRACKET HOOK BOLT
48	91626		STABILIZER END CAP
49	98350		SHROUD MOUNTING HARDWARE SET
51	90482		LEVER ARM LOCKNUT WASHER
52	98198		LEVER ARM NYLON WASHER
53	98100		NYLON WASHER SPACER BLACK
55	91652		LEVELER LOCKNUT
56	INCL W/18		COMPUTER MOUNTING HARDWARE
57	84995		LEVELER
58	98190		FRAME SUPPORT BOLT SET
59	50372		FAN CAGE SCREWS, BAG OF TEN
60	95530		FAN
61	98191		80 TOOTH PULLEY HARDWARE
62	95517		LOCK KNOB W/ SPRING
63	90483		LEVER ARM LOCKNUT
64	95520		LEFT FAN CAGE
65	95521		RIGHT FAN CAGE
66	95518		FAN MOUNTING HARDWARE SET
67	98053	98712	FRONT STABILIZER
68	98054	98714	REAR STABILIZER
69	33157		FAN AXLE NUT SET
70	90837		SENSOR
71	98052	98713	COMPUTER MAST
72	001-7948	98710	FRAME
73	98067		CAM WASHER
74	95496		ALLEN BOLT
75	95497		WASHER
76	95498		SPACER
77	95499		LOCK NUT
78	98078		CONSOLE MAST HARDWARE
79	95535		COMPUTER WIRE
80	97990		TENSIONER SPRING
	97997		HARDWARE PACK
	98077		DECAL SET
	92707		OWNERS MANUAL
	74025		CRANK REMOVAL TOOL

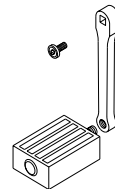


**TECH TIP**  
EARLIER MODELS OF THE EVOLUTION USED THE SAME BOTTOM BRACKET AND CRANK ARMS AS THE AIRDYNE 4. THIS MODEL USES A SQUARE BOTTOM BRACKET AXLE INSTEAD OF A WEDGE PIN. BE SURE TO CHECK WHICH MODEL YOU HAVE BEFORE ORDERING.

OLD



NEW





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## ELECTRONIC TROUBLESHOOTING

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### 1. PROBLEM: The LCD shows no display

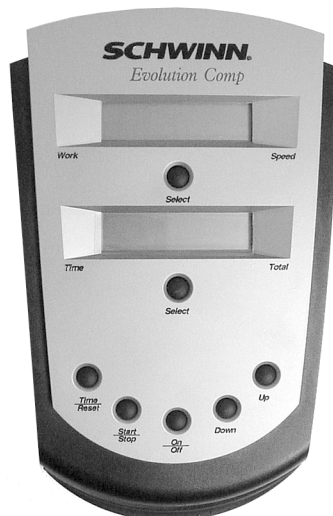
- SOLUTION:**
- Make sure the batteries are seated properly, installed correctly (+/-), and the correct voltage.
  - Check the battery contacts for oxidation or corrosion.
  - Check all connections.
  - Inspect the cable for breaks or bad connections.
  - If all of the above are ok, replace the computer.

**NOTE:** We have seen a number of PC boards damaged by use of mounting screws other than those supplied with the unit. This is not a manufacturer's defect and does not qualify for warranty replacement.

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### 2. PROBLEM: The computer will not start

- SOLUTION:**
- Replace the batteries.
  - Make sure the gap between the sensor and the fan wheel magnet is between 2 and 4mm. If the gap is correct, see step c.
  - If no signal is received by the computer, use a multimeter to check the continuity of the sensor and then the sensor wire. If both the sensor and wire are functioning, replace the computer



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## ELECTRONIC TROUBLESHOOTING (continued)

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### 3. PROBLEM: No RPM reading

- SOLUTION:**
- Check all connections.
  - Without removing the wire, remove the sensor from the mounting bracket and pass a hand held magnet over the surface of the sensor. If a signal is received by the computer, remount the sensor and make sure the gap between the flywheel magnet and the sensor is between 2 and 4mm.
  - If no signal is received by the computer, use a multimeter to check the continuity of the sensor and then the sensor wire. If both the sensor and wire are functioning, replace the computer



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### 4. PROBLEM: Computer does not read properly

- SOLUTION:**
- Check all connections.
  - Make sure local sea level elevation is entered. Press and hold the upper select button for fifteen seconds then use up button to increase the elevation to the proper level. Press select to exit.

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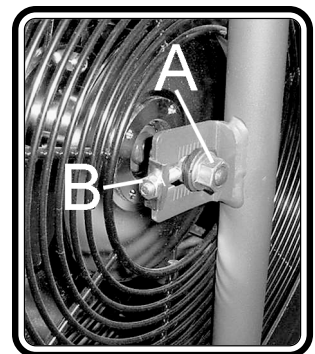
## MECHANICAL TROUBLESHOOTING

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### 1. PROBLEM: If you have vibration

- SOLUTION:**
- Reduce belt tension by first loosening the axle nuts (A) and then loosening the tensioner nuts (B).
  - Check the hub for loose races or a rough bearing.





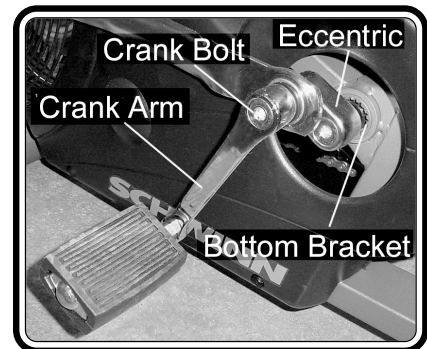
## MECHANICAL TROUBLESHOOTING (continued)

### 2. PROBLEM: If you have squeaking, tapping or rubbing noises

- SOLUTION:**
- See if the fan is rubbing the cage.
  - Check chain tension device.
  - Lube chain.
  - Lube pivot points.
  - Align the belt using the fan tensioner.
  - Check all bearings for binding or play.

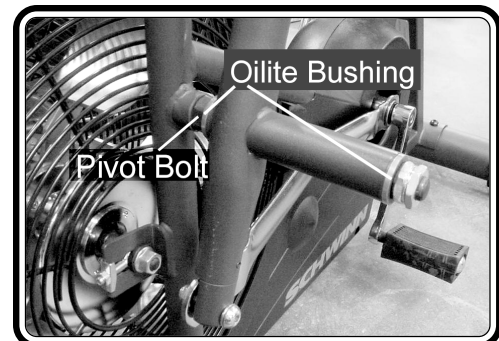
### 3. PROBLEM: Pedals feel loose

- SOLUTION:**
- Make sure the pedals are tightly screwed into the crank arms.
  - Make sure the crank bolts on both crank arms and eccentrics are tight.
  - Make sure the square tapered extensions are tightly bolted to the eccentrics.
  - Make sure the square openings in both the crank arms and eccentrics have not been rounded out. This problem is caused when the bike has been ridden with loose arms.
  - Make sure the the bottom bracket is tight in the frame and bearings operate smoothly.



### 4. PROBLEM: Lever arm feels loose

- SOLUTION:**
- Check Oilite bushing for excessive wear.
  - Tighten the pivot bolt to eliminate play.
  - Check threads on pivot bolt.
  - Look for cracks on frame at pivot area.





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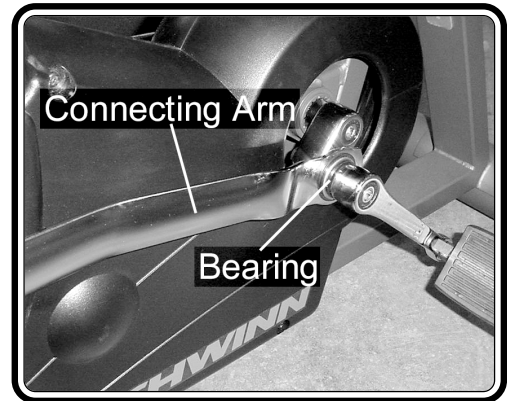
**MECHANICAL TROUBLESHOOTING (continued)**

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**5. PROBLEM:** Connecting arm feels sloppy or loose

- SOLUTION:**
- a. Check the bearings for excessive play.
  - b. Add another spacer to the connection at the eccentric.



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**6. PROBLEM:** Belt squeaking or out of alignment

- SOLUTION:**
- a. Adjust tension and alignment at fan hub.

**NOTES**

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**FOR MORE DETAILED INFORMATION CONTACT  
TECHNICAL SUPPORT AT 1-800-864-1270**



## MAINTENANCE



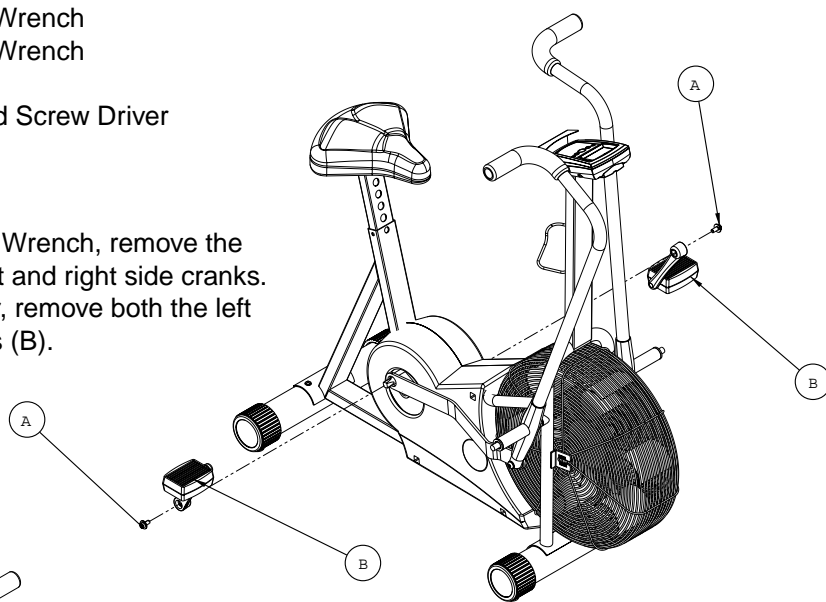
# SCHWINN

## AirDyne Evolution Comp

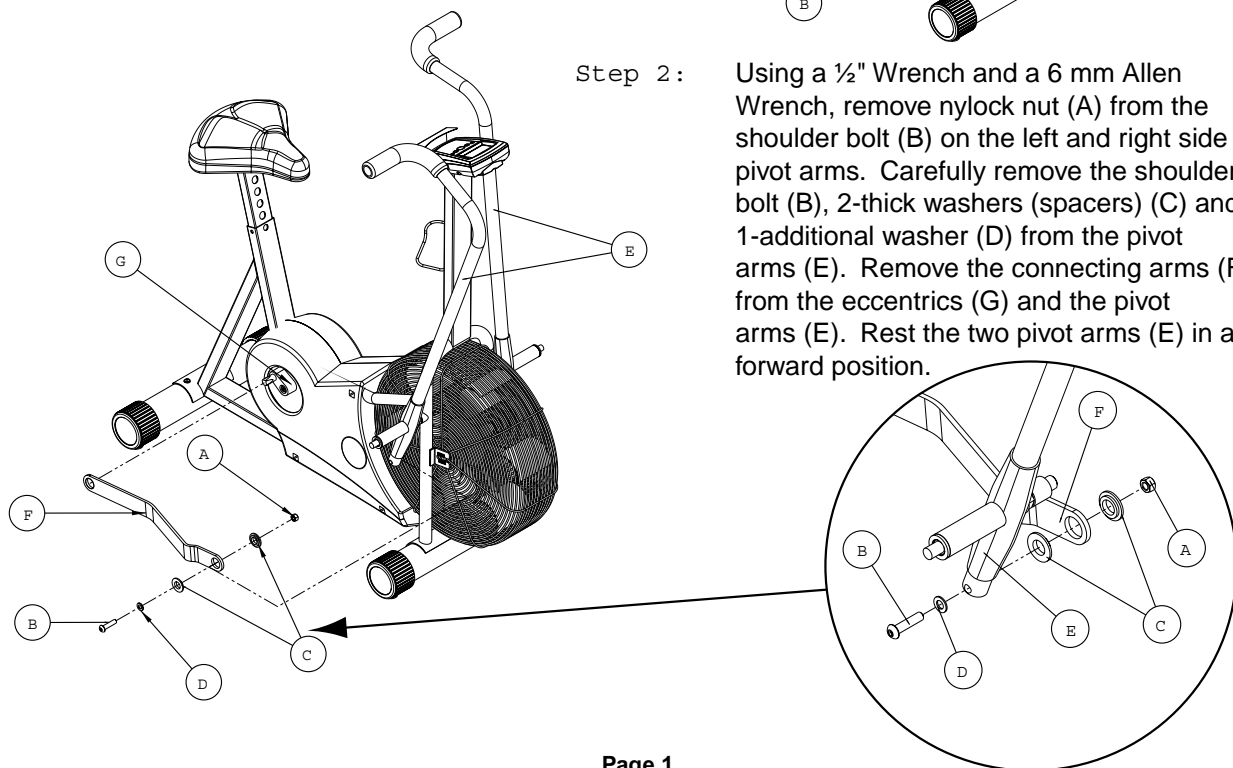
### YST Bottom Bracket Replacement Assembly Instructions

Tools Required: 2 - Sealed Cartridge Bottom Bracket Tools  
Torque Wrench  
8 mm Allen Wrench  
6 mm Allen Wrench  
1/2" Wrench  
Phillips Head Screw Driver  
Crank Puller

Step 1: Using an 8mm Allen Wrench, remove the bolts (A) from the left and right side cranks. Using a Crank Puller, remove both the left and right side cranks (B).



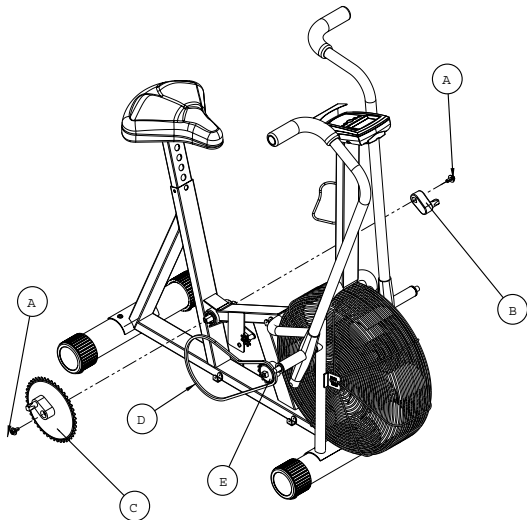
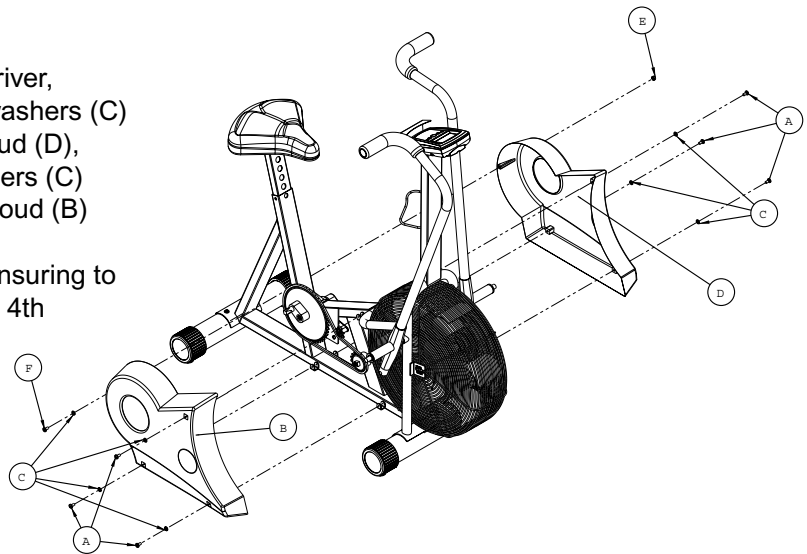
Step 2: Using a 1/2" Wrench and a 6 mm Allen Wrench, remove nylock nut (A) from the shoulder bolt (B) on the left and right side pivot arms. Carefully remove the shoulder bolt (B), 2-thick washers (spacers) (C) and 1-additional washer (D) from the pivot arms (E). Remove the connecting arms (F) from the eccentrics (G) and the pivot arms (E). Rest the two pivot arms (E) in a forward position.





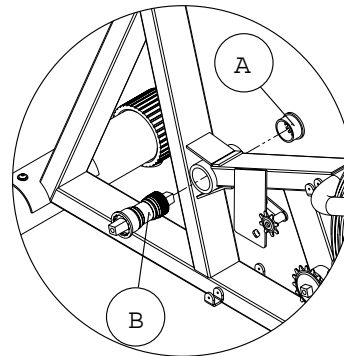
## MAINTENANCE (continued)

**Step 3:** Using a Phillips Head Screw Driver, remove the 3-screws (A) and washers (C) holding the left side of the shroud (D), and the 4-screws (A) and washers (C) holding the right side of the shroud (B) in place. Carefully remove the shrouds (B+D) from the bike, ensuring to retain the nut (E) that holds the 4th screw (F) in place.



**Step 4:** Using an 8mm Allen Wrench, remove the bolts (A) from the left (B) and right side Eccentrics/Chain Ring (C). Using a Crank Puller, remove the left side Eccentric (B), and loosen the right side Eccentric/Chain Ring (C). Carefully remove the chain (D) from the Eccentric/Chain Ring (C), and let the chain (D) rest on the intermediate drive pulley (E).

**Step 5:** Using a Cartridge Bottom Bracket Tool, remove the BB from the damaged Airdyne Evolution Comp. Turn the Left side (A) of the damaged Bottom Bracket counter-clockwise to remove it, and then the right side (B) of the bottom bracket clockwise to remove it..



**Step 6:** Unthread the left (non-drive) side collar from the YST Bottom Bracket. Insert the YST bottom bracket in the right (drive) side of the Airdyne. Hand thread the left (non-drive) side of the YST BB in the left side of the Airdyne. Using 2-Cartridge Bottom Bracket Tools and a torque wrench, thread the YST BB into itself, to a torque of 40 ft-lb.

**Step 7:** Follow Step 4 through Step 1, in reverse order, to re-assemble AirDyne