

# 6 - Diagrams

## Parts List

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	FS-11429	Brace, Crossrail
2	1	AF-11017	Frame Weldment, Right
3	1	AF-11012	Frame Weldment, Left
4	1	FM-12164	Casting, Front End
5	19	HS-00266	Bolt, Hex Head. 5/16-18 x 3/4
6	17	HW-00165	Washer, Lock EXT 5-16 Zinc
7	23	HW-12042	Washer, Lock EXT 3-8 Zinc
8	2	HX-11425	Wheel, Rear
9	2	HS-13769	Bolt, HHCS 1-2-13 x 2.5 B-Zinc
10	2	FM-11428	Insert, Aluminum, Rear Foot Mnt.
11	2	HW-11427	Washer, .593 x 2.0 OD Zinc, Rear Foot Mnt.
12	8	HW-11873	Washer, 1/2 Lock, Zinc, Rear Foot Mnt.
13	6	HN-10029	Nut, 1/2-13, Zinc, Rear Foot Mnt.
14	2	AF-13462	Bracket, End Cap
15	1	PL-12977	End Cap, Left
16	1	PL-12978	End Cap, Right
17	10	HS-11328	Screw
18	4	HS-00163	Screw, 5/16 x 3/4
19	1	PL-10970	Side Cover, Right
20	1	PL-10969	Side Cover, Left
21	6	HS-11170	Screw, Hex Head #10 x 1.0, Self Tap
22	6	HS-00190	Screw, 3/8-16 x 3/4
23	6	HW-10028	Washer B 1-2 Narrow Zinc
24	2	HS-12204	Screw, 1-2-13 x 3.50 Hex Head GR5 STL
25	2	WH-10957	Wheel, Elevation
26	2	EH-10230	Anchor, Wire
27	2	HS-11328	Screw
28	1	AM-12262	Limit Switch Assembly
29	1	GR-10967	Gear Rack, Left
30	1	GR-10968	Gear Rack, Right
31	1	DK-10953	Deck, Running
32	10	HS-12295	Bolt, 1/4-20 x 1.75 Hex Head
33	10	HX-14956	Disk Guide Deck Edge
34	1	BD-10983	Belt, Drive, Poly - V 320J10
35	1	PL-13566	Pulley
36	1	AL-10980	Roller Assy. Front, 3"
37	2	HS-00195	Screw, .312-18 x 1.50 Hex Head Bolt
38	1	AL-10975	Roller Assy. Rear, 3"
39	2	HS-00261	Bolt, 1/2-13 x 5.5, Hex Head
40	2	HB-00188	Bushing,Thrust, .50"
41	2	HX-11049	Spring, 1"OD Rear Roller Tensioning
42	2	HW-00590	Bushing, 1/2" Nylon, Rear Roller Bolt
43	2	HX-13771	Retaining Ring
44	1	BD-10981	Belt, Running 20.75 x 127.50
45	1	AF-12163	Panel, Front End
46	1	HX-14821	Brake, Elevation 90 VDC
47	1	DE-10288	Label, Belt Caution, Grey
48	1	FS-11129	Disc, Elevation Sensor

### Front Pages

About this Manual . . . . . i  
 FCC Compliance Information . . . . . i  
 Table of Contents. . . . . iii

### 1 Safety

Important Voltage Information 1-1  
 Grounding Instructions . . . . . 1-1  
 Important Safety Instructions 1-2  
 Caution Decals . . . . . 1-4

### 2 Technical Specifications

Specifications . . . . . 2-1  
 Bioflex. . . . . 2-2

### 3 Preventive Maintenance

Regular Maintenance Activities 3-1  
 Cleaning Your Treadmill . . . . . 3-1  
 Running Belt Maintenance . . . . . 3-2  
 Other Preventive Maintenance. . . . . 3-6  
 Service Schedule . . . . . 3-7  
 Log Sheet . . . . . 3-8

### 4 Troubleshooting

Diagnostic Test Mode. . . . . 4-1  
 Diagnostic Menu. . . . . 4-1  
 LED Functions . . . . . 4-6  
 Motor Current & Voltage . . . . . 4-7  
 Speed Sensor Adjustment . . . . . 4-9  
 Error Codes . . . . . 4-10  
 Flow Charts . . . . . 4-13

### 5 Removal & Replacement

Running Belt & Deck . . . . . 5-1  
 Drive Belt . . . . . 5-4  
 Front Roller . . . . . 5-4  
 Rear Roller . . . . . 5-4  
 Drive Motor . . . . . 5-5  
 Drive Motor Cleaning . . . . . 5-8  
 Motor Brushes. . . . . 5-12  
 Elevation Motor . . . . . 5-14  
 Limit Switch Assembly . . . . . 5-17  
 PWM Module . . . . . 5-18  
 Display Board . . . . . 5-20  
 EPROM. . . . . 5-21  
 Contact Heart Rate Board . . . . . 5-22  
 CSAFE Board . . . . . 5-24  
 Display Cable . . . . . 5-25  
 Display Overlays. . . . . 5-26  
 Handrail Assembly . . . . . 5-28

### 6 Diagrams

Parts List. . . . . 6-1  
 Exploded View . . . . . 6-3  
 900T Schematic . . . . . 6-4

### 7 Customer Service

Contacting Service . . . . . 7-1  
 Serial Number . . . . . 7-1  
 Return Material Authorization (RMA). . . . . 7-1  
 Damaged Parts . . . . . 7-2

**Cybox 900T Treadmill Service Manual**

49	1	EH-13905	Clip, Wire, 1/2" Heavy Duty	103	2	PL-14919	Handgrip Upper Contact Heartrate
50	13	HS-00193	Screw, 3/8-16 x 1/2 Button Head	104	8	HN-11136	Nut, 5/16-18", Hex, KEPS
51	1	EH-12208	Receptacle, Inlet, 20 Amp	105	4	HS-11139	SEMS 10-32 x 1.25 PNHD
52	2	HS-00985	Screw, Type B 8-18 x .38 SLFTP	106	2	FS-13808	Bracket, Grounding
53	1	SW-11168	Switch, CB, 15 Amp, 250V, Rocker	107	8	HW-13656	Washer Flat .187 ID x .875 OD x .06
54	4	HS-11874	Screw	108	1	FS-14898	Panel Rear Console w/CSAFE
55	12	HW-00431	Washer USS 1-4 x .75 x .062 Zinc	109	1	AF-11007	Handrail Assembly, Right
56	2	HS-11885	Screw, #8 x .75, Self Tap	110	1	AF-11005	Handrail Assembly, Left
57	1	PL-10952	Motor Cover	111	1	DE-10243	Label, Caution High Voltage
58	1	AM-11021	Motor Assy., Elevation	112	1	EC-00434	Speed Sensor Pickup
59	1	FS-11023	Plate, Elevation Motor Mounting	113	1	FS-07503	Speed Sensor Clamp
60	1	AX-11068	Chain	114	1	SK-15893	Drive Motor Brush Kit
61	1	FM-11034	Shaft, Elevation Pinion	115	2	HX-10300-2	Brush Cap, Drive Motor
62	2	GR-11036	Gear, Pinion Shaft	116	6	EH-10059	Insulated Boot, Rubber
63	8	HS-00219	Set Screw	117	1	EC-11101	Sensor, Optical
64	1	GR-11444	Sprocket, 1/2 Pitch, 10 Tooth, Motor Gear	NS	2	HS-00109	Screw, 10-32 x .38 PNHD PHIL
65	1	GR-11445	Sprocket, 1/2 Pitch, 16 Tooth, Shaft Gear	NS	1	AW-15142	Cable, 6-Pin Heart Rate
66	1	HB-00244	Bearing 3-4IN. NO. FB1214-6	NS	1	AW-15090	Cable, 900T CSAF, Console
67	1	EH-11875	Spacer 1.0 OD x .766 ID x .38 Nylon	NS	1	AW-11106	Cable, Console Jumper
68	3	HX-11055	Woodruff Key	NS	1	AW-11041	Cable, Console
69	1	HS-00219	Screw, Set 5/16-18 x 3/8	NS	1	AW-11141	Cable, Ground Jumper, Console
70	1	FW-09392	Flywheel, Drive Motor	NS	1	AW-13840	Cable, H/R Pickup
71	1	MR-13575	Motor, 3.0 HP 180V, Double Shaft	NS	1	AW-12211	Cable, Switch to Inlet Jumper, Blk, 12AWG
72	1	HX-11593	Key, ANSI Square, 3/16 x 1 3/16	NS	1	AW-12210	Cable, Switch to Inlet Jumper, Grn, 12AWG
73	1	AF-12175	Base, Drive Motor, 3.0 HP.	NS	1	AW-12212	Cable, Switch to Inlet Jumper, Wht, 12AWG
74	4	HN-00117	Nut 1-4-20 Hex STL Zinc	<b>NS</b>	<b>1</b>	<b>WR-13966</b>	<b>Cord, Power, 12', 230V, 60Hz, Right Angle, USA</b>
75	5	HS-12247	Screw, 4-40 x .25, Pan HD	<b>NS</b>	<b>1</b>	<b>WR-13965</b>	<b>Cord, Power, 12', 220V, 50Hz, Right Angle, International, Round Prongs</b>
76	1	FS-12024	Speed Sensor Mounting Plate	NS	2	HS-00700	Screw, 8-32 x .50, PNHD Phil
77	1	SK-15543	PWM Assy., Kit	NS	1	AW-12303	Strap, Ground 8"
78	1	CA-11213	Capacitor, 1500uf, 450 Volt	NS	1	FS-12251	Bracket, External Brush Holder
79	1	EC-13809	Line Filter	NS	1	FS-12257	Bracket, External Brush Housing
80	1	AF-10958	Upright, Left	NS	1	EH-12250	Brush, External, Motor
81	1	AF-10959	Upright, Right	NS	1	HX-12244	Spring, Compression, External Brush
82	1	PW-10989	Pulley, Motor	NS	1	LT-10963	Owner's Manual, 900T Treadmill
83	14	HS-14391	Screw, 6-32 x .38 PNHD PHIL SEM	NS	0	SM-16106	Service Manual, 900T Treadmill
84	11	HS-11894	Screw, 6-32 x .25 PNHD PHIL INT SEM	<b>NS = Not Shown</b>			
85	1	AD-14880	CSAFE Interface Board				
86	6	HW-00432	Washer, SAE NO.6 STL Zinc				
87	1	HN-11585	Nut, Grounding				
88	1	FS-12381	Shield, RF, Circuit Board				
89	1	EC-11009	EPROM, V3.06				
90	1	AD-10988G1	Control PCB with EPROM				
91	1	AF-13511	Plate, Aluminum Switch				
92	1	PL-13507	Console, Front				
93	1	DE-11353	Label, Console Set				
94	1	DE-10278	Decal, Caution				
95	1	DE-15383	Decal, 900T Console				
96	1	DE-13536	Console Window				
97	1	SW-13537	Switch Panel, 900T				
98	2	HP-16288	Pin, Roll, 1/8 x 1.125"				
99	2	HX-10941	Grip Handrail				
100	2	HX-10942	Plug, Handrail End				
101	1	HX-14922	Grip, Crossrail, Contact Heart Rate				
102	2	PL-14920	Handgrip, Lower Contact Heart Rate				



