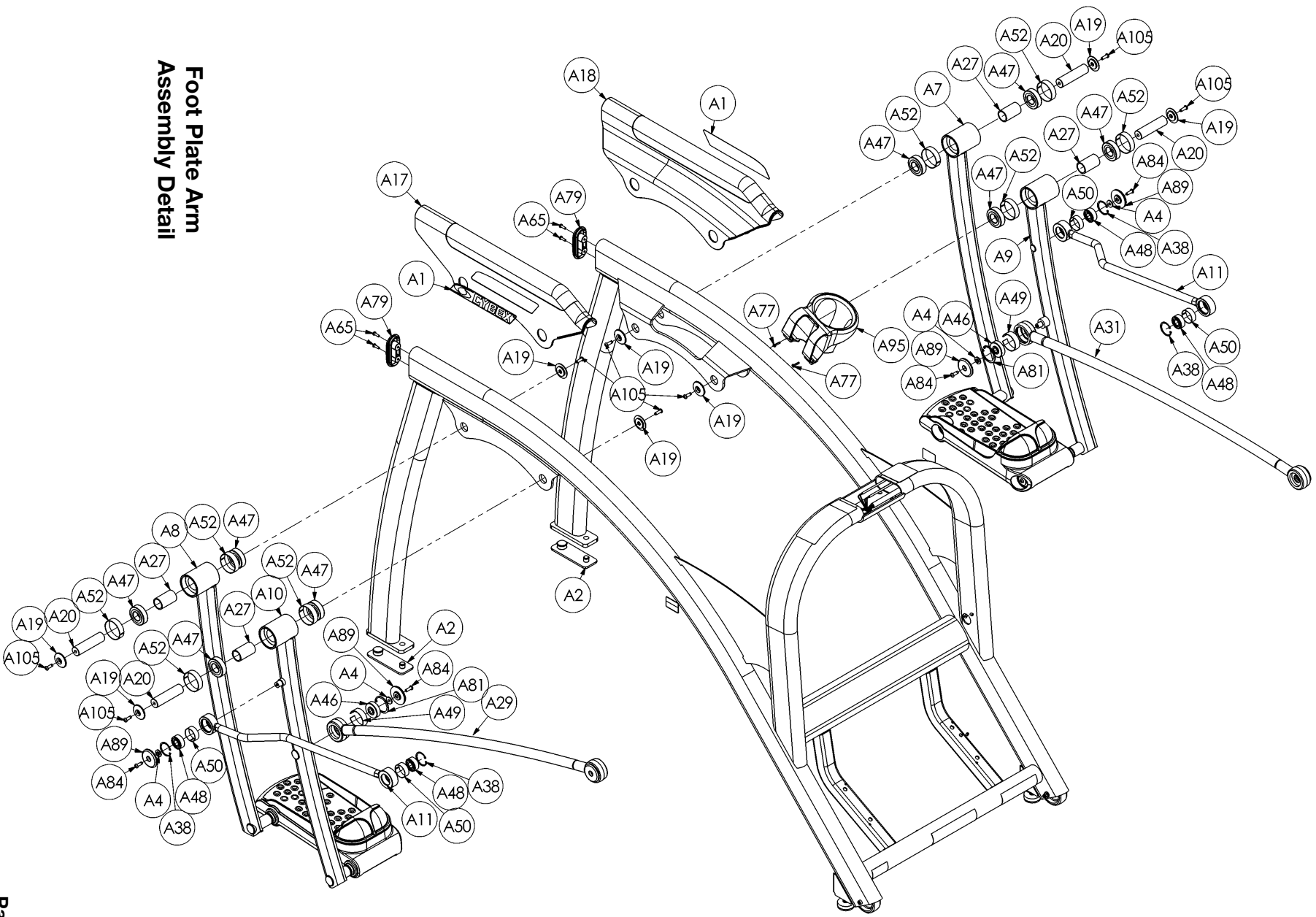


Cybex Arc Trainer 610A Service Manual

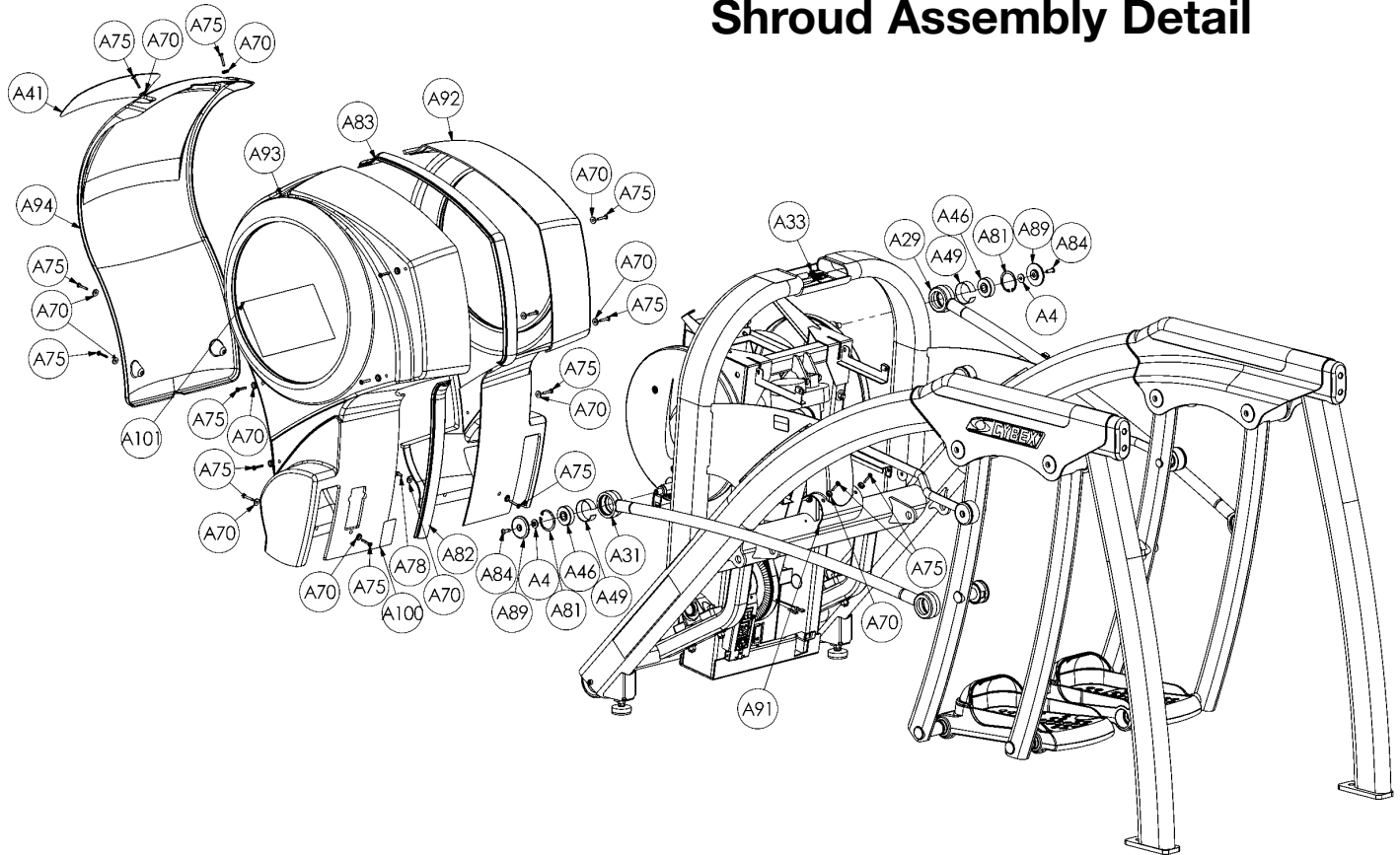
Main Assembly

ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
A1	2	11090-404	Cybex Decal	A54	2	FO100009	O-Ring
A2	2	11090-405	Foot Pad	A55	1	FT-17242	Top Elevation Mounting Sleeve
A3	1	600A-301	Arc Warranty Sheet (not shown)	A56	1	FT-17243	Bottom Elevation Mounting Sleeve
A4	8	600A-311	Flange Spacer	A57	8	HB-17036	Ball Bearing
A5	1	610A-100	Contact Grip Assembly (pair)	A58	4	JC700412	BHSCS .375-16 x .50
A6	1	610A-200	Main Frame	A59	4	JC700422	BHSCS .375-16 x 1.50
A7	1	610A-201	Foot Plate Arm Left Rear	A60	3	HC701226	HHCS .375-16 x 2.0
A8	1	610A-202	Foot Plate Arm Right Rear	A61	1	HC701230	HHCS .375-16 x 2.50
A9	1	610A-203	Foot Plate Arm Left Front	A62	4	HC701232	HHCS .375-16 x 2.75
A10	1	610A-204	Foot Plate Arm Right Front	A63	2	HF449064	Insert
A11	2	610A-205	Handle Link	A64	2	HG700022	Leveling Guide
A12	1	610A-208	Arm Right Hand	A65	12	HM582514	Pan Head Phillips 10-32 x .62
A13	1	610A-209	Arm Left Hand	A66	2	HN-60064	Jam Nut
A14	1	610A-300	Foot Plate Right	A67	2	HN624901	Nylon Locknut
A15	1	610A-301	Foot Plate Left	A68	2	HN704000	Hex Nut
A16	2	610A-302	Toe Cap	A69	4	HN706300	K Lock Nut
A17	1	610A-303	Pivot Cover Right Hand	A70	18	HS100000	Nylon Finishing Washer
A18	1	610A-304	Pivot Cover Left Hand	A71	4	HS307602	Washer
A19	8	610A-311	Pivot Shaft Retainer	A72	2	HS328300	Split Lockwasher
A20	4	610A-342	Pivot Pin	A73	4	HS347600	Washer
A21	2	610A-344	Crank Pin	A74	10	HS347700	Washer
A22			Removed	A75	17	HT512517	Pan HD Phil HD Self Tapping Screw
A23	2	610A-350	End Cap	A76	8	HT552512	Pan HD Phil HD Self Tapping Screw
A24	2	610A-351	Pivot Pin	A77	2	HT552515	Pan HD Phil HD Self Tapping Screw
A25	1	610A-352	Installation Poster (not shown)	A78	1	HT572512	Pan HD Phil HD Self Tapping Screw
A26	2	610A-356	Spacer Tube	A79	2	HX-16751	Frame Tube Cap
A27	4	610A-357	Spacer Tube	A80	2	HX-17023	Spring Pin
A28	2	610A-358	Plastic Insert	A81	4	HX-17143	Retaining Ring
A29	1	AF-16655	Linkage Rod Right	A82	1	HX-17270	H-Shaped Rubber Gasket
A30	2	AF-16694	Pillow Block Bearing	A83	1	HX-17271	H-Shaped Rubber Gasket
A31	1	AF-16999	Linkage Rod Left	A84	12	HX620415	BHSCS .250-20 x .75
A32	2	AF-17020	Crank Cover Mounting Bracket	A85	2	HX620420	BHSCS .250-20 x 1.250
A33	1	AW-18285	610A Frame Harness	A86	2	JD623324	Shoulder Bolt
A34	2	AW-18286	610A Grip Cable (not shown)	A87	4	JS347400	Internal Tooth Lockwasher
A35	1	AX-17156	Drive Frame Assembly	A88	1	MR-16518	Elevation Motor
A36	2	BK030204	Hex Key (not shown)	A89	8	PL-16535	Linkage Rod Cap
A37	1	BK030205	Hex Key (not shown)	A90	2	PL-17027	Crank Cover
A38	4	BR030225	Retaining Ring	A91	1	PL-17029	Elevation Motor Access Cover
A39	1	CM000240	Warning Decal	A92	1	PL-17046	Right Cover
A40	2	CW-17231	Tensioner Wheel	A93	1	PL-17047	Left Cover
A41	1	DE-17317	Arc Trainer Logo Decal	A94	1	PL-17048	Front Access Cover
A42	2	DE-17339	Cybex Vortex Decal	A95	1	PL-17209	Water Bottle Holder
A43	2	EW000028	Cable Tie (not shown)	A96	4	PL-17279	Foot Plate Spacer Shaft
A44	1	EW600006	Daisy Chain Jumper Cord (not shown)	A97	1	DE-17315	ETL Label
A45	4	FB030232	Bearing	A98	2	PR400205	Grip
A46	4	FB030244	Bearing	A99	2	YD000026	Double Coated Tape
A47	8	FB030247	Bearing	A100	1	DE-17266	UL Decal
A48	4	FB030248	Bearing	A101	1	DE-17322	Service Schedule and Error Decal
A49	4	FC030004	Tolerance Ring	A102	2	DE-17219	Caution Decal
A50	4	FC030005	Tolerance Ring	A103	1	DE-17218	Heart Rate Zone Decal
A51	4	FC030006	Tolerance Ring	A104	1	610A-349	Warning Decal
A52	8	FC030007	Tolerance Ring	A105	8	HX700415	BHSCS .375-16 x .75 SS
A53	2	FM-17037	Crank Arm				

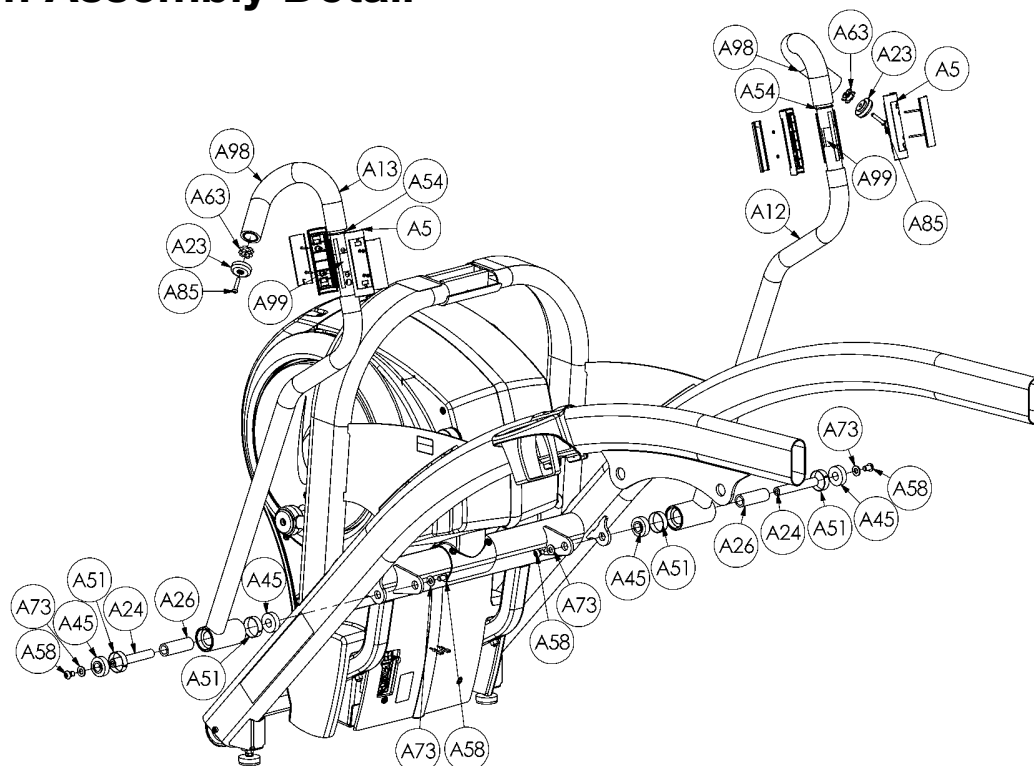


**Foot Plate Arm
Assembly Detail**

Shroud Assembly Detail



Arm Assembly Detail



Drive Frame Assembly Detail

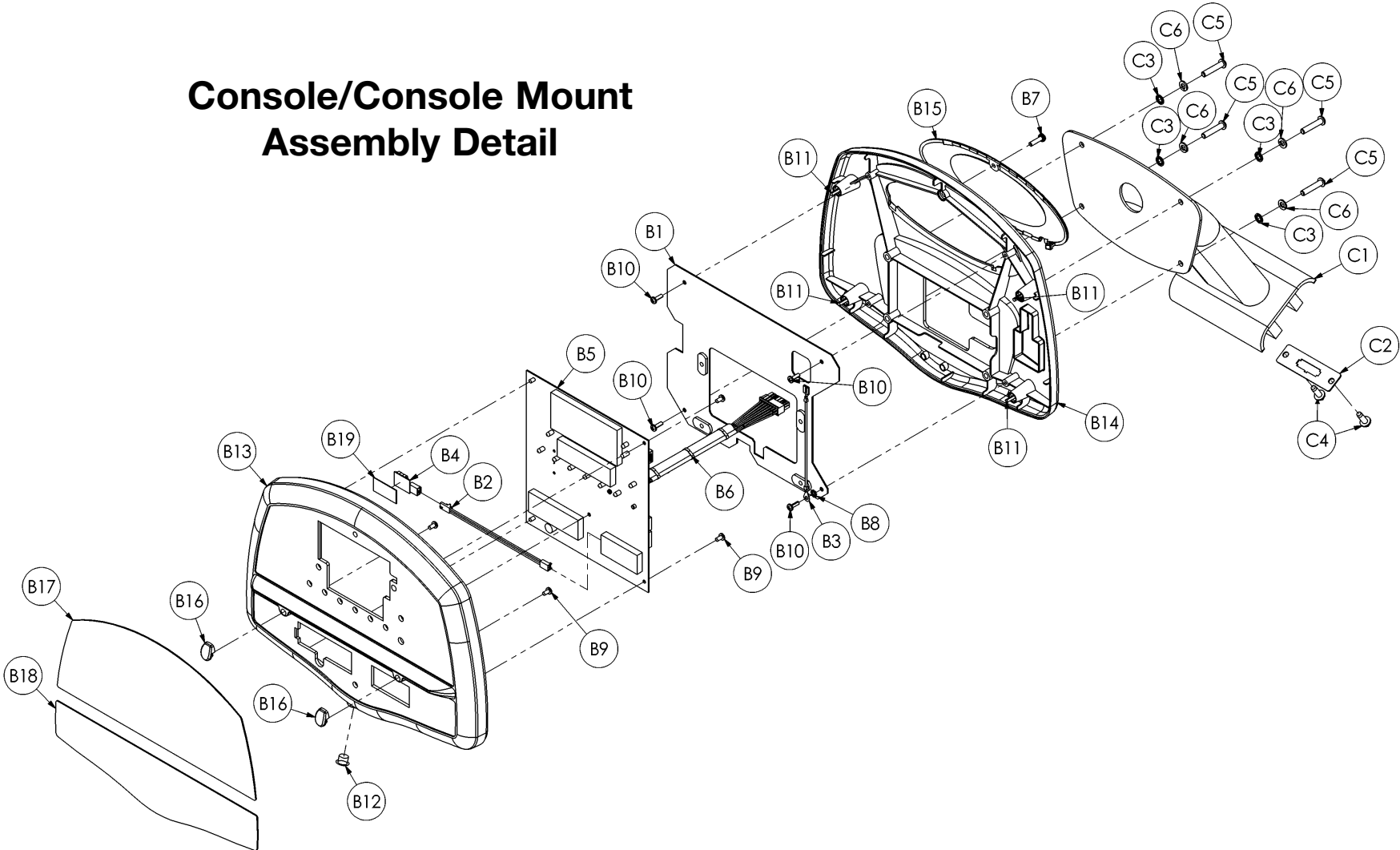
This diagram illustrates the exploded view of the Drive Frame Assembly. The components are labeled with callouts A01 through A15. The assembly includes a main frame structure, a drive motor, a fan, and various mounting brackets and fasteners. The diagram shows the relative positions of the parts and the sequence in which they should be assembled. Key components include the drive motor (A01), the fan (A02), the main frame (A03), and the mounting brackets (A04 through A15). The diagram also shows the location of the SERIAL NUMBER DECAL (A10) and the DRIVE MOTOR (A01).

This diagram illustrates the exploded view of the treadmill deck assembly. The main components shown are the deck, the rollers, and the frame. The deck is a rectangular plate with a grid of holes. The rollers are cylindrical components that support the deck. The frame consists of two main vertical supports and a horizontal base. The assembly is shown in a disassembled state, with dashed lines indicating the alignment and placement of the parts. Callouts A7 through A16 identify the various components and fasteners used in the assembly.

Console/Console Mount Assembly

ITEM	QTY	PART NO.	DESCRIPTION
B1	1	610A-102	Console Mounting Plate
B2	1	610A-103	Embedded Polar Jumper Cable
B3	1	610A-104	Ground Cable
B4	1	610A-105	Polar Wireless Remote Mount Sensor
B5	1	AD-18282	610A Main Display PCA
B6	1	AW-18284	610A Console Harness
B7	1	HJ582515	Phil Pan Screw 10-32 x .75
B8	1	HS087300	External Tooth Lockwasher
B9	7	HT552509	Tap Screw 8-16 x .31
B10	4	HT552512	Pan HD Phil HD Self Tapping
B11	4	HT552515	Pan HD Phil HD Self Tapping
B12	1	PP080207	Plastic Insert
B13	1	PP620003	Front Plastic Console
B14	1	PP620004	Rear Plastic Console
B15	1	PP620005	Console Access Cover
B16	2	PP620006	Book Holder Tab
B17	1	SW-18275-4	610A Top Universal Membrane
B18	1	SW-18276-4	610A Bottom W/O AV, U Membrane
B19	1	01250	Double Coated Tape
C1	1	610A-206	Console Mount
C2	1	610A-348	Mounting Plate
C3	4	HS307400	Internal Tooth Lockwasher
C4	2	HT621115	Tap Screw .250-20
C5	4	HX620420	BHSCS .250-20 x 1.25
C6	4	HS307601	Washer

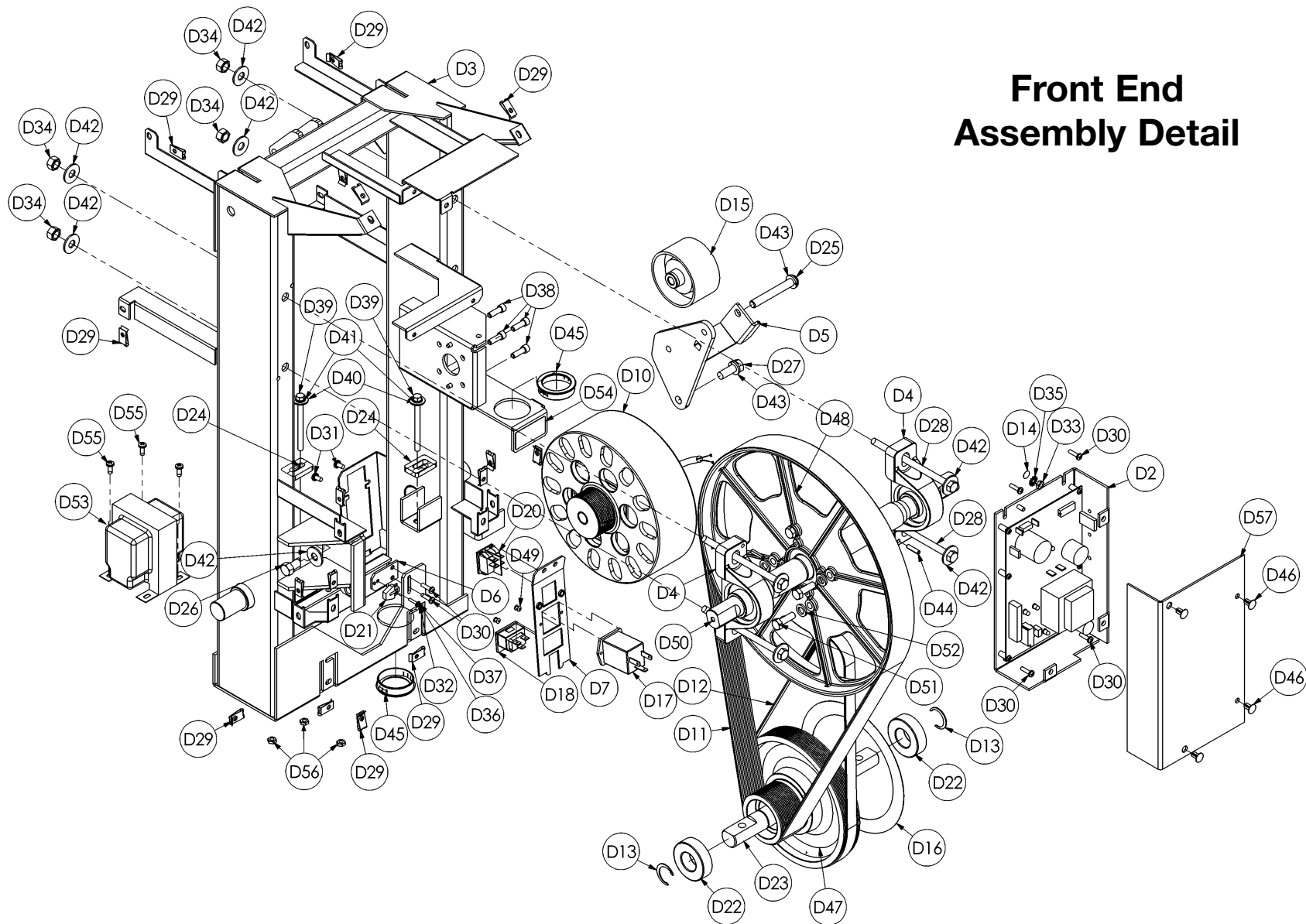
Console/Console Mount Assembly Detail



Front End Assembly

ITEM	QTY	PART NO.	DESCRIPTION
D1	1	AX-17156	Front End Assembly
D2	1	AD-16982	PCA Control Board Eddy Current
D3	1	AF-16483	Frame Front
D4	2	AF-16694	Pillow Block Bearing Assembly
D5	1	AF-17060	Tensioner Wheel Bracket
D6	1	AF-17141	Speed Sensor Bracket
D7	1	AF-17216	Power Switch Plate
D8	1	AW-17098	Power Inlet Jumper Brown (not shown)
D9	1	AW-17099	Power Inlet Jumper Blue (not shown)
D10	1	AX-17208	ECB
D11	1	BD-16671	Belt
D12	1	600A-322	Secondary Drive Belt
D13	2	BR030221	Retaining Ring
D14	1	CM000237	Safety Ground Decal
D15	1	CW-17063	Tensioner Wheel
D16	1	DE-17019	Speed Sensor Wheel
D17	1	EC-17096	Filtered IEC-320 Power In Module
D18	1	EC-17097	IEC Auxiliary AC Outlet Module
D19	2	EF000000	Fuse (not shown)
D20	1	ES000000	On-Off Switch
D21	1	EW600003	Cable Opto Sensor Armored
D22	2	FB030243	Bearing
D23	1	FM-16859	Lower Shaft
D24	2	FM-17146	Belt Spacer
D25	1	HC700432	BHSCS .375-16 x 2.75
D26	1	HC701214	HHCS .375-16 x .62
D27	1	HC701217	HHCS .375-16 x 1.00
D28	4	HC701252	HHCS .375-16 x 5.25
D29	16	HF579000	U Type Panel Nut
D30	6	HJ542514	Pan Head Phillips 8-32 x .62
D31	2	HJ582510	Pan Head Phillips 10-32 x .38
D32	1	HM522514	Pan Head Phillips 4-40 x .62
D33	1	HN586300	K-Lock Nut
D34	4	HN706300	K-Lock Nut
D35	1	HS047300	Lockwasher
D36	1	HS047600	Washer
D37	1	HS048300	Split Lockwasher
D38	4	HS-17055	SHCS .250-20 x .75
D39	2	HS-17145	Hex Head Tap Screw .350-20 x 2.50
D40	2	HS307600	Washer
D41	2	HS308300	Split Lockwasher
D42	9	HS347700	Washer
D43	2	HS348300	Split Lockwasher
D44	2	HX-17023	Spring Pin
D45	2	HX-17050	Bushing
D46	4	PP660010	Finned Fastener
D47	1	PW-16521	Drive Pulley
D48	1	PW-17016	Pulley
D49	2	HR269600	Dome Head Rivet
D50	1	600A-100	Shaft
D51	4	HC661217	HHCS .312-18 x 1.00
D52	4	HS760100	Spring Retaining Washer
D53	1	AX-17259	Power Pack 230 V
D54	1	DE-17155-4	Warning Decal
D55	3	HJ582512	SEMS 10-32 x .5
D56	3	HN586300	K-Lock Nut
D57	1	600A-318	Cover Controller

Front End Assembly Detail



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