

SPARC TRAINER

50A1-01

Parts Manual

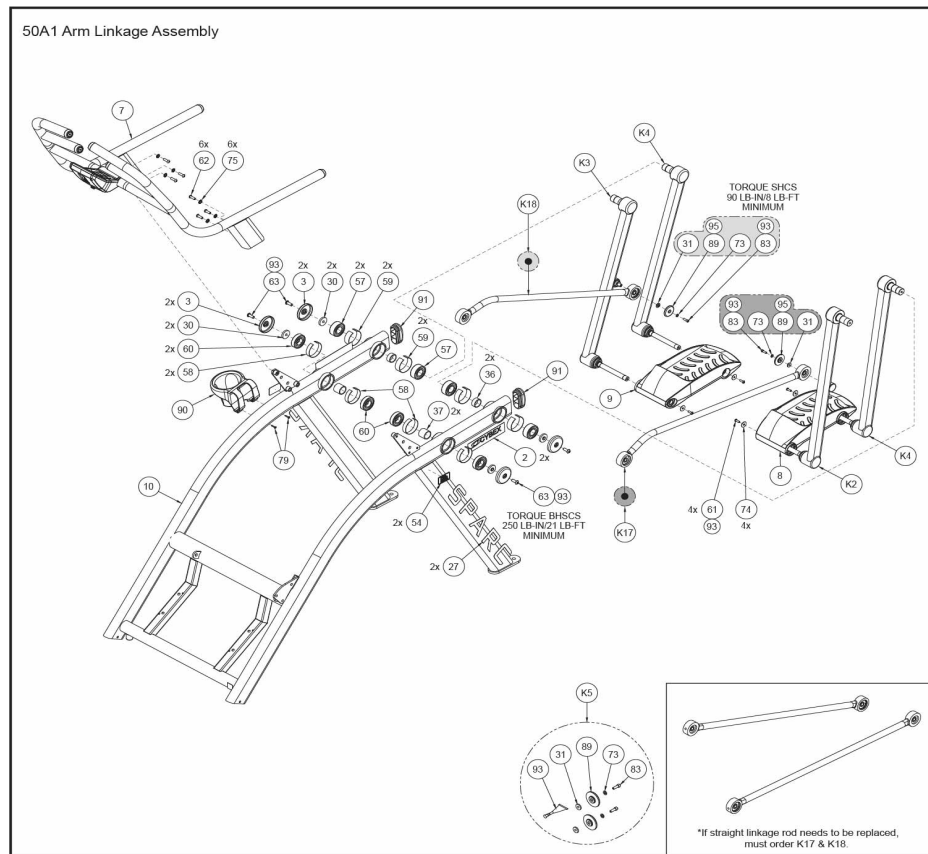
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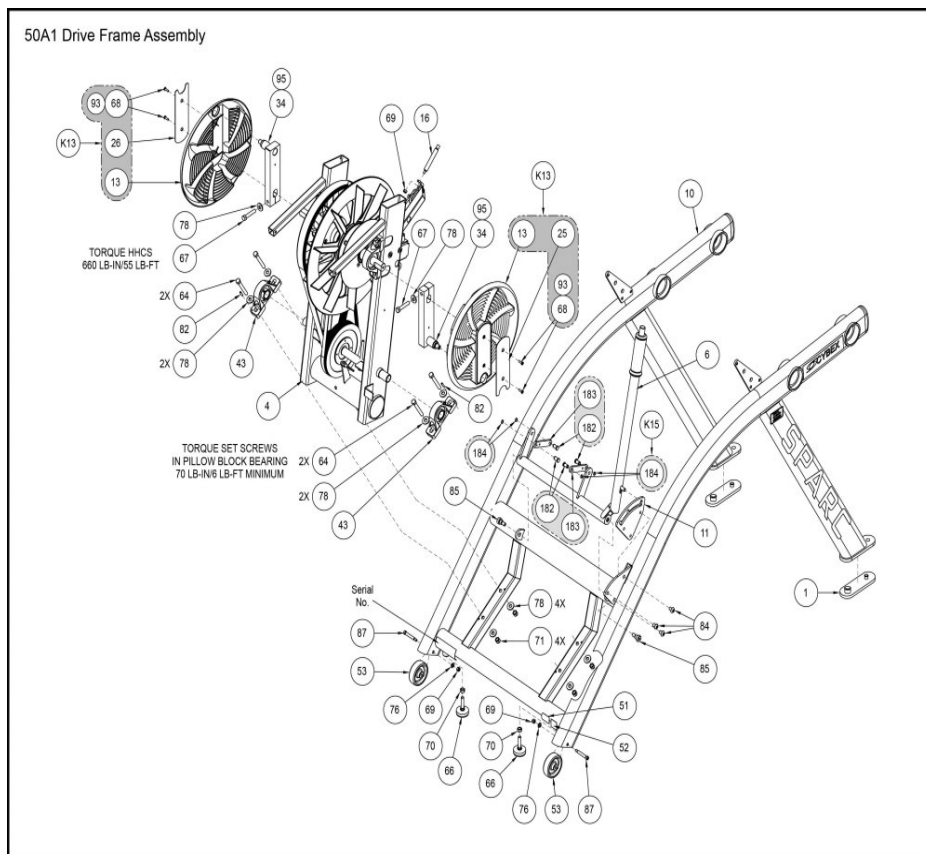
50A1 Arm Linkage Assembly



Ref #	Part Number	Qty	Description
K1	K50A1-102	1	Kit Sparc Linkage Rod
2	3900-414	1	DECAL CYBEX 1.00 HOR WHT WHT
K2	K770A-202-86	1	KIT, FOOT PLATE ARM, FRONT LEFT SIDE
2	3900-445	1	DECAL CYBEX 1.00 HOR BLACK
3	425A-484	4	End Cap
K3	K770A-203-86	1	KIT, FOOT PLATE ARM, FRONT RIGHT SIDE
K4	K770A-204-86	1	KIT, FOOT PLATE ARM, REAR
7	50A1-104	1	HANDRAIL ASSEMBLY
8	50A1-107	1	FOOT PLATE ASSY, LH
9	50A1-108	1	FOOT PLATE ASSY, RH
10	50A1-200	1	FRAME, MAIN Custom
27	50A1-383-03	1	DECAL, SPARC UPRIGHT (BLACK/RED)
27	50A1-383-02	1	DECAL, SPARC UPRIGHT (WHITE)
27	50A1-383-01	1	DECAL, SPARC UPRIGHT (BLACK)
27	50A1-383-04	1	DECAL, SPARC UPRIGHT (WHITE/RED)
30	525AT-375	4	SPACER, FLANGE
31	600A-311	2	SPACER FLANGE
36	750A-312	2	Tube Spacer
37	750A-325	2	Tube Spacer
54	DE000004	2	Decal Caution Custom
55	DE000031	2	Decal Caution Mov Parts Custom
57	FB030256	4	BEARING BALL 1.181 DIA DOUBLE ROW

Ref #	Part Number	Qty	Description
58	FC030003	4	TOLERANCE RING 2.4409 ID
59	FC030011	4	Tolerance Ring .62mm dia
60	HB-17280	4	BEARING,BALL,SINGLE ROW,6206
61	HC620415	2	BHSCS .250-20 X .75, BL ZN
62	HC660417	6	BHSCS .312-18 X 1.00 BLACK
63	HC700417	4	BHSCS .375-16 X 1.00
73	HS307601	2	WASH FLAT .281 .500 .062 T
74	HS307604	2	WASHER, FLAT .281 ID X 1.000 OD X .063 TH BL ZN
75	HS327300	6	LOCKWASHER EXT TOOTH .312 BLACK ZINC
79	HT552515	6	TAP SC NO. 8-16 X .75 PLASTITE PN HD PHIL BLK
83	HX622815	2	SHCS .250-20 X .75 SS
89,K5	600AK012	3	KIT LINKAGE CAP
90	PL-17209	1	WATER BOTTLE HOLDER
91	PP130004	2	Insert Domed Plastic
93	YA000201	1	ADH THRD LKR REM .02 OZ 242
95	YG000007	1	NLA: GREASE TRANS LUBRIPLATE 1200-2

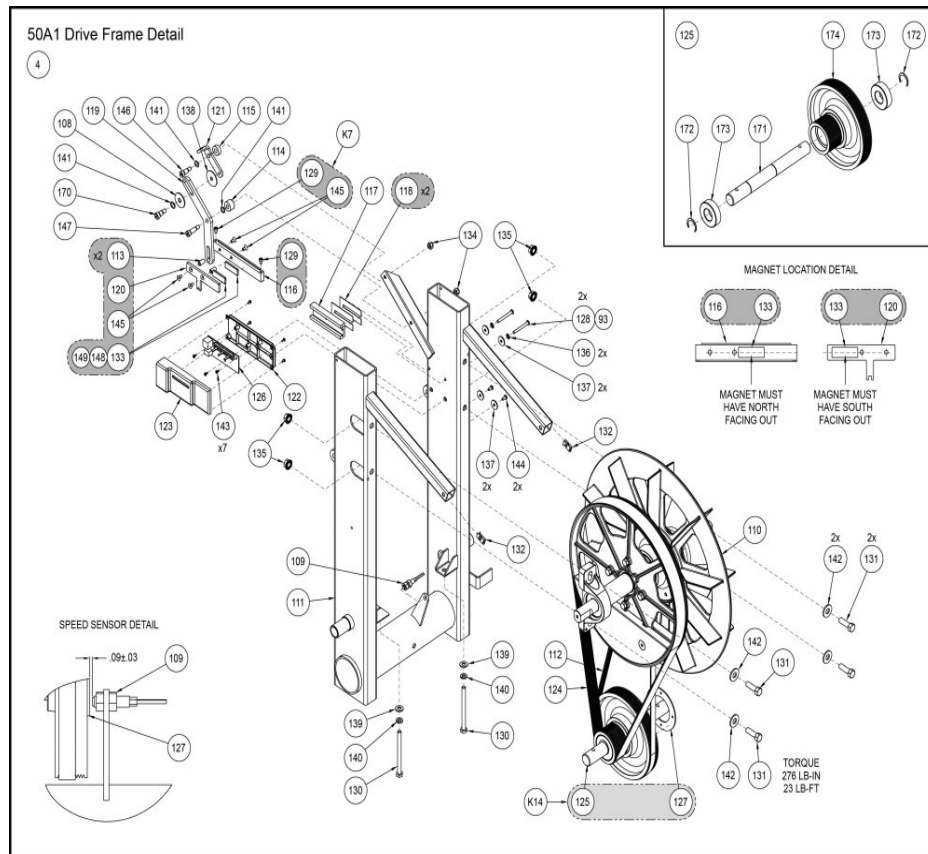
50A1 Drive Frame Assembly



Ref #	Part Number	Qty	Description
1	12090-322	2	PAD FOOT
4	50A1-101	1	DRIVE FRAME ASSEMBLY
6	50A1-103	1	LIFT ASSEMBLY
10	50A1-200	1	FRAME, MAIN Custom
11	50A1-309	1	MOUNT, ELEVATION, FRAME
13	50A1-324	1	COVER, CRANK, SPARC
K13	K50A1-324-01	1	KIT, CRANK COVER, LEFT. RED/WHITE
K13	K50A1-324-02	1	KIT, CRANK COVER, LEFT. WHITE
K13	K50A1-324-03	1	KIT, CRANK COVER, RIGHT. RED/WHITE
K13	K50A1-324-04	1	KIT, CRANK COVER, RIGHT. WHITE
K15	K50A1-112	1	KIT, LIFT HANDLE LINK
16	50A1-368	1	KNOB SHAFT
25	50A1-378-02	1	DECAL, CRANK COVER, LH (BLACK/WHITE)
25	50A1-378-01	1	DECAL, CRANK COVER, LH (BLACK/RED)
26	50A1-379-01	1	DECAL, CRANK COVER, RH (BLACK/RED)
26	50A1-379-02	1	DECAL, CRANK COVER, RH (BLACK/WHITE)
34	610A-395	1	ASSY ARM CRANK
43	AF-16694	2	ASSY,BEARING,PILLOW BLOCK
51	CM000211	1	DECAL PATENT
52	CM000242	1	DECAL CE
53	CW-17231	2	WHEEL, TENSIONER
64	HC701234	4	HX HD CAP SC .375-16 X 3.00

Ref #	Part Number	Qty	Description
66	HG700022	2	LEVELING GLIDE 3-8-16
67	HH701226	2	BOLT, HHCS GRD 8, .375-16 X 2.0
68	HM582514	4	PN HD PHIL SC NO 10-32 X .625 BLK ZN
69	HN624901	3	LOCKNUT .250-20 NYLON BLACK ZINC
70	HN704000	2	HEX NUT .375-16
71	HN704901	4	LOCKNUT .375-16 NYLON
76	HS328300	2	LOCKWASHER SPLIT .312
78	HS347700	10	WASHER USS .375
82	HX-17023	2	PIN,SPRING .187X.813 LG,TYPE 420,ST STL
84	JC700412	3	BHSCS .375-16 X .50
85	JD383310	2	SHOULDER BOLT, .50 X .375 .375-16 UNC
87	JD623324	2	S BOLT .312 X 1.75 .250-20
182	50A1-400	1	PIN
183	50A1-401	1	LINK
184	BR030231	1	RETAINING RING .375 EXTERNAL
NA	CM000199	0	DECAL SERIAL NUMBER

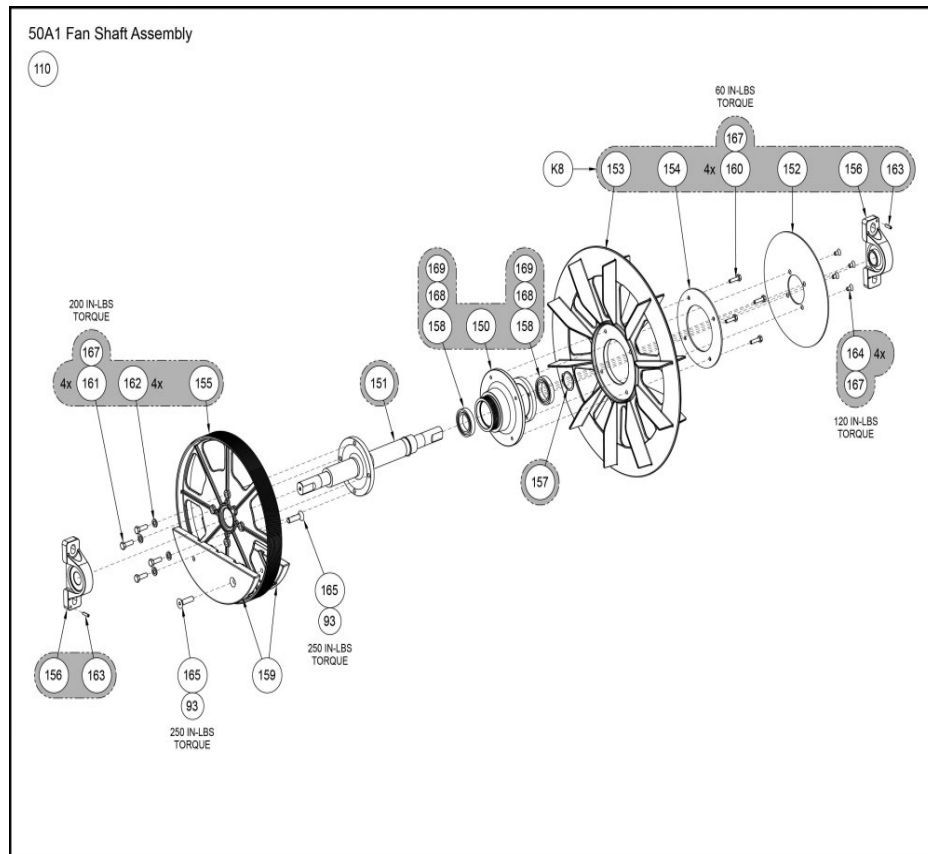
50A1 Drive Frame Detail



Ref #	Part Number	Qty	Description
4	50A1-101	1	DRIVE FRAME ASSEMBLY
K7	K50A1-358	1	KIT, MAGNET/SLIDE
K14	K50A1-110	1	KIT, DOUBLE PULLEY ASSY
108	4050M048	1	WASHER NYLON .312
109	425A-451	1	MAGNETIC SENSOR
110	50A1-111	1	FAN SHAFT ASSEMBLY
111	50A1-205	1	DRIVE FRAME Custom
112	50A1-320	1	BELT, SECONDARY DRIVE, 6 RIB
113	50A1-346	2	SPACER, TAP 10-32, .312 X .520
114	50A1-347	1	SPACER .320 ID X .750 OD X .534
115	50A1-348	1	SPACER .320 ID X .750 OD X .284
116	50A1-358	1	MITER T-BAR, MACHINED
117	50A1-359	1	MITER T-TRACK, MACHINED
118	50A1-360	2	SHIM
119	50A1-361	1	LINK
120	50A1-362	1	PLATE, MOUNTING
121	50A1-363	1	LINK
122	50A1-381	1	HOUSING, PC BOARD, LH
123	50A1-382	1	HOUSING, PC BOARD, RH
124	525AT-343	1	BELT, PRIMARY DRIVE, 12 RIB
125	771A-110	1	DOUBLE PULLEY ASSY
126	AD-25141	1	PCA, 50A1 SENSOR BOARD

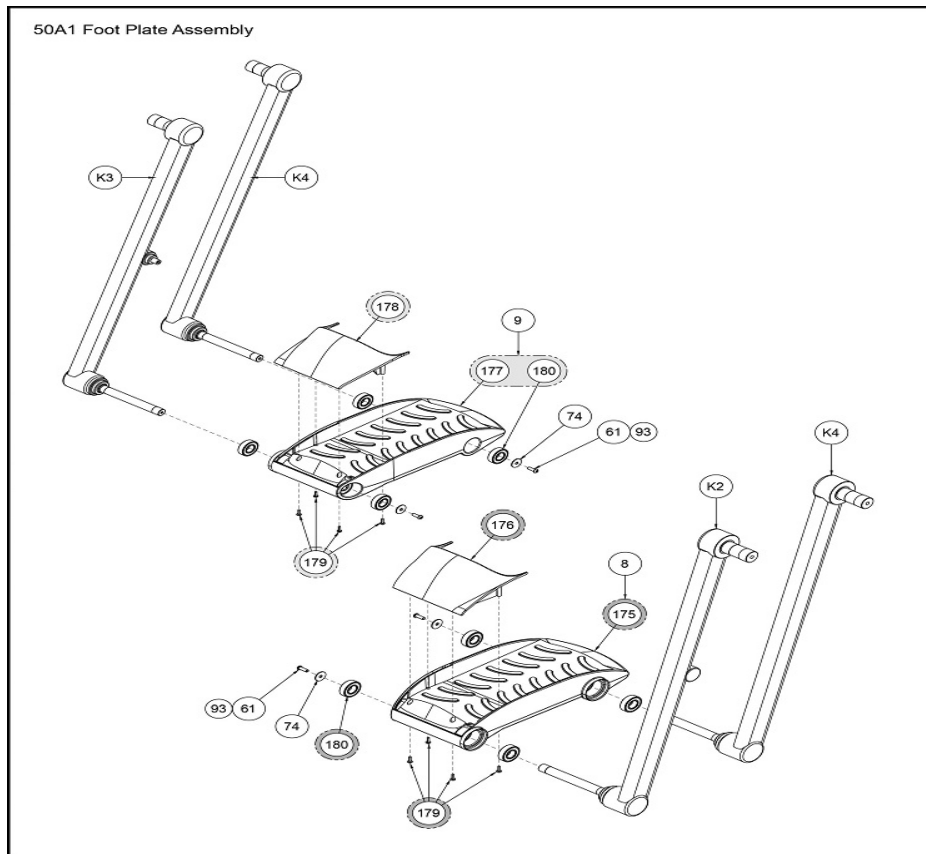
Ref #	Part Number	Qty	Description
127	DE-25152	1	DECAL, LWR PULLEY MAGNET
128	HC580424	2	BHSCS .190 10-32 X 1.75
129	HC582808	2	SHCS .190-10-32 X .250
130	HC661240	2	HX HD CAP SC .312-18 X 3.75
131	HC701220	4	BOLT,3-8-16X1.25.HXHD
132	HF579000	2	PANEL FASTENER 10-24 U TYPE
133	HH380022	2	MAGNET, 1.50 X .50 X .125 THK
134	HN624901	2	LOCKNUT .250-20 NYLON BLACK ZINC
135	HN704001	4	LOCKNUT, .375-16 SERRATED HEX
136	HS047300	2	LOCKWASHER EXT TOOTH NO 10 ZINC
137	HS107700	4	WASH FLAT .203 .734 .063 T
138	HS307700	1	WASH FLAT .281 1.250 .048 T
139	HS327600	2	WASHER SAE .312
140	HS328300	2	LOCKWASHER SPLIT .312
141	HS328800	2	WASHER, WAVE .326 ID X .500 OD X .015 THK
142	HS347700	4	WASHER USS .375
143	HT522508	7	TAP SCREW, #4 X .25 PLASTITE, PHILLS PAN HEAD
144	HT582510	2	TAP SC NO 10 X .375 PN HD PHIL
145	JC580910	4	FHSCS .190 10-32 X .375
146	JD623312	2	BOLT, SHOULDER .312 X .50 .250-20 UNC
147	JD623315	1	BOLT, SHOULDER .312 X .75 .250-20 UNC
148	YA000233	1	ACTIVATOR, ADHESIVE LOCTITE 7387
149	YA000234	1	ADHESIVE LOCTITE 334 MAGNET BONDER
170	JD623310	1	BOLT, SHOULDER .312 X .375 .250-20
171	771A-318	1	SHAFT, LOWER
172	BR030221	1	RING RETAINING EXT CRESCENT
173	FB030243	1	BEARING 25MMIDX52MMOD 6205
174	600AK014	1	KIT LOWER PULLEY ASSY

50A1 Fan Shaft Assembly



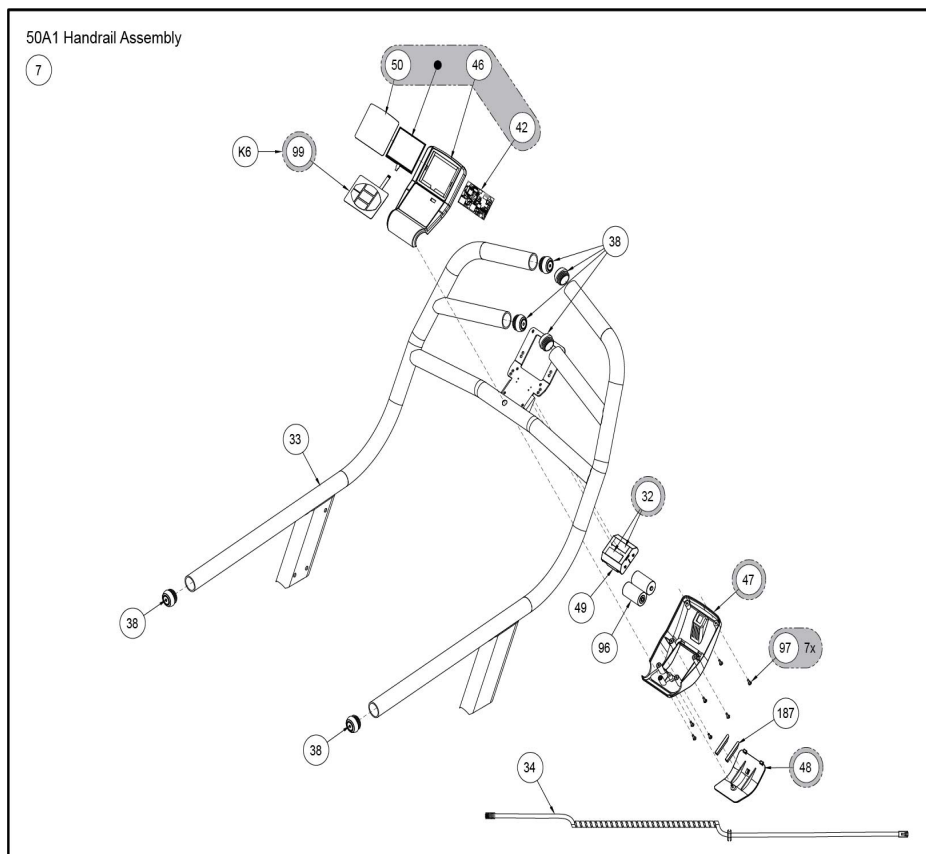
Ref #	Part Number	Qty	Description
K8	K50A1-111	1	KIT, FAN SHAFT
110	50A1-111	1	FAN SHAFT ASSEMBLY
150	50A1-325	1	PULLEY, DRIVE
151	50A1-326	1	SHAFT
152	50A1-327	1	PLATE
153	50A1-328	1	FAN
154	50A1-385	1	PLATE, FAN
155	600AK002	1	KIT PULLEY CRANK SHAFT
156	600A-340	2	BEARING PILLOW BLOCK 1.00
157	BR030229	1	RETAINING RING, 1.375 EXTERNAL
158	FB030258	2	RADIAL BEARING 35 MM
159	FM-19507	2	COUNTERWEIGHT
160	HC621217	4	HX HD CAP SC .250-20 X 1.00
161	HC661217	4	HX HD CAP SC .312-18 X 1.000
162	HS760100	4	WASH FLAT .380 .625 .090 T
163	HX-17023	2	PIN, SPRING .187X.813 LG, TYPE 420, ST STL
164	JC620912	4	FHSCS .250-20 X .500
165	JC700922	2	FHSCS .375-16 X 1.50
167	YA000023	1	LOCTITE PERM 262 PN 26231
168	YA000232	1	ADHESIVE LOCTITE 609
169	YA000235	1	ACTIVATOR, ADHESIVE LOCTITE 7649

50A1 Foot Plate Assembly



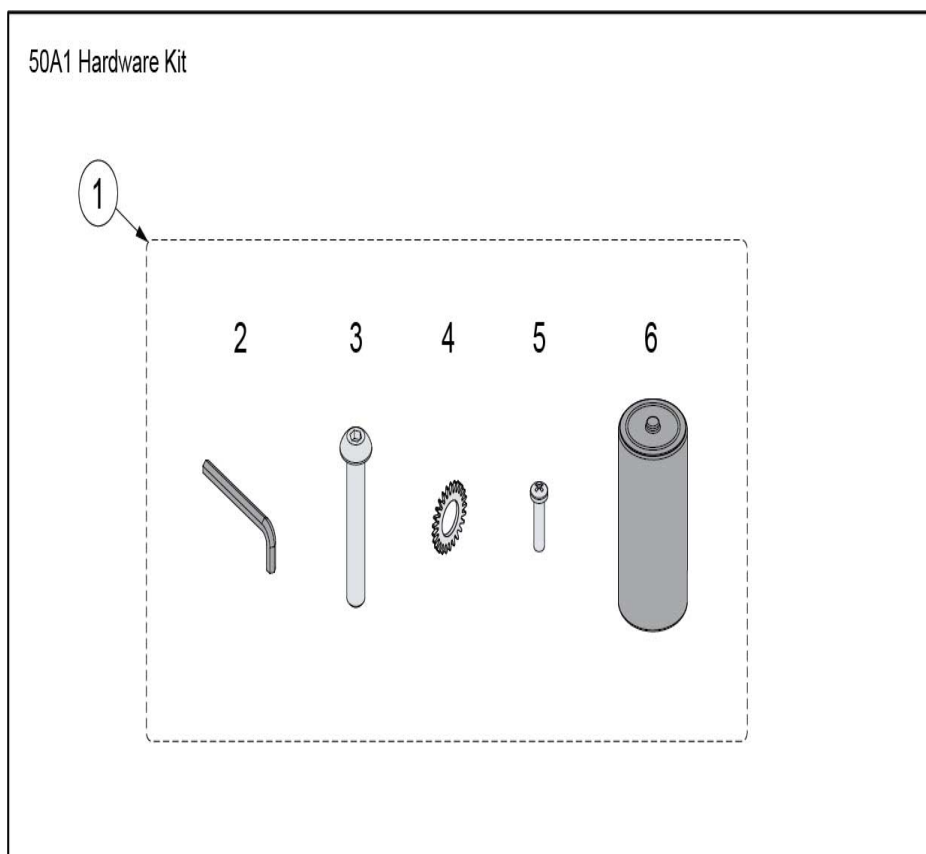
Ref #	Part Number	Qty	Description
K2	K770A-202-86	1	KIT, FOOT PLATE ARM, FRONT LEFT SIDE
K3	K770A-203-86	1	KIT, FOOT PLATE ARM, FRONT RIGHT SIDE
K4	K770A-204-86	1	KIT, FOOT PLATE ARM, REAR
8	50A1-107	1	FOOT PLATE ASSY, LH
9	50A1-108	1	FOOT PLATE ASSY, RH
61	HC620415	2	BHSCS .250-20 X .75, BL ZN
74	HS307604	2	WASHER, FLAT .281 ID X 1.000 OD X .063 TH BL ZN
175	740A-378	1	Foot Plate LH
176	740A-380	1	Toe Cap LH
177	740A-379	1	Foot Plate RH
178	740A-381	1	Toe Cap RH
179	HT552512	8	TAP SC NO. 8-16 X .50 PLASTITE PAN HEAD PHILLIPS BLACK
180	HB-17036	8	BEARING,BALL, .750DIA

50A1 Handrail Assembly



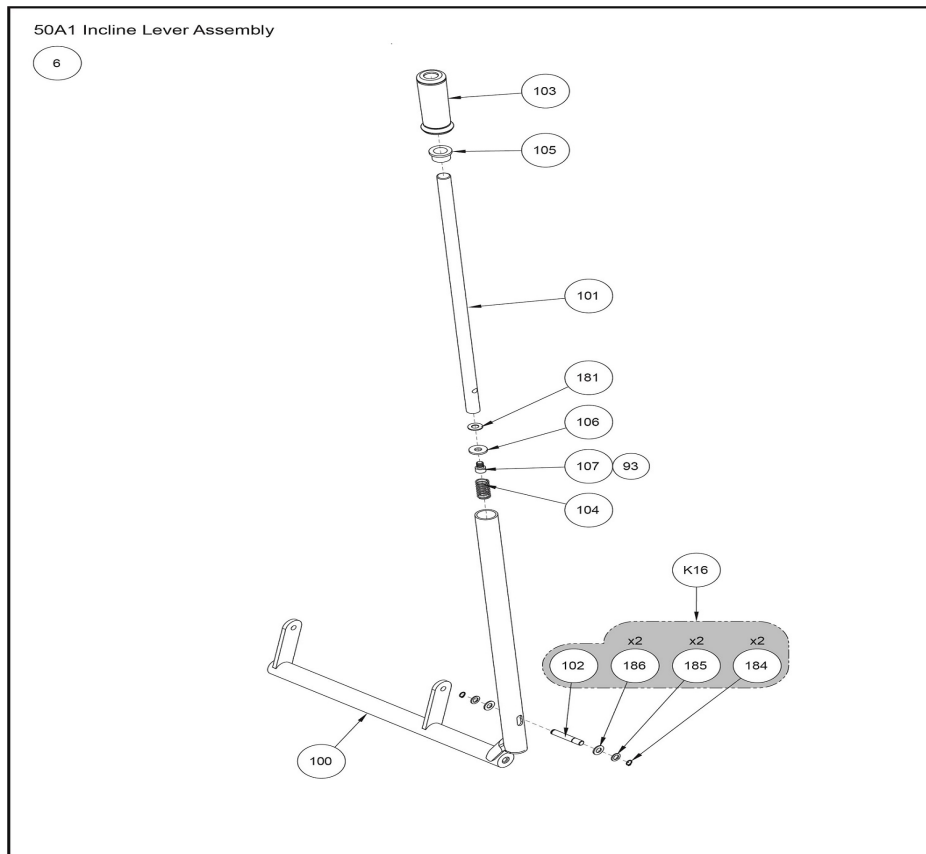
Ref #	Part Number	Qty	Description
K6	K50A1-355	1	Kit Sparc Front Cons Assy Custom
7	50A1-104	1	HANDRAIL ASSEMBLY
32	01250	1	TAPE DOUBLE COATED 0.75
33	50A1-206	1	W HANDRAIL
34	AW-25294	1	
38	625A-321	1	CAP, END
42	AD-25143	1	PCA, 50A1 DISPLAY BOARD
47	50A1-356	1	CONSOLE, BACK, SPARC
48	50A1-357	1	CONSOLE, BATTERY DOOR, SPARC
49	AW-25499	1	ASSY, BATTERY HOLDER, 2 D-CELL
50	DE-25280	1	OVERLAY, DISPLAY WINDOW, 50A1
96	EC-25295	1	BATTERY, D-CELL 1.5V ALKALINE 2 PACK
97	HT552512	1	TAP SC NO. 8-16 X .50 PLASTITE PAN HEAD PHILLIPS BLACK
99	SW-25281	1	Switch Membrane SPARC Custom
187	50A1-395	2	EDGE TRIM

50A1 Hardware Kit



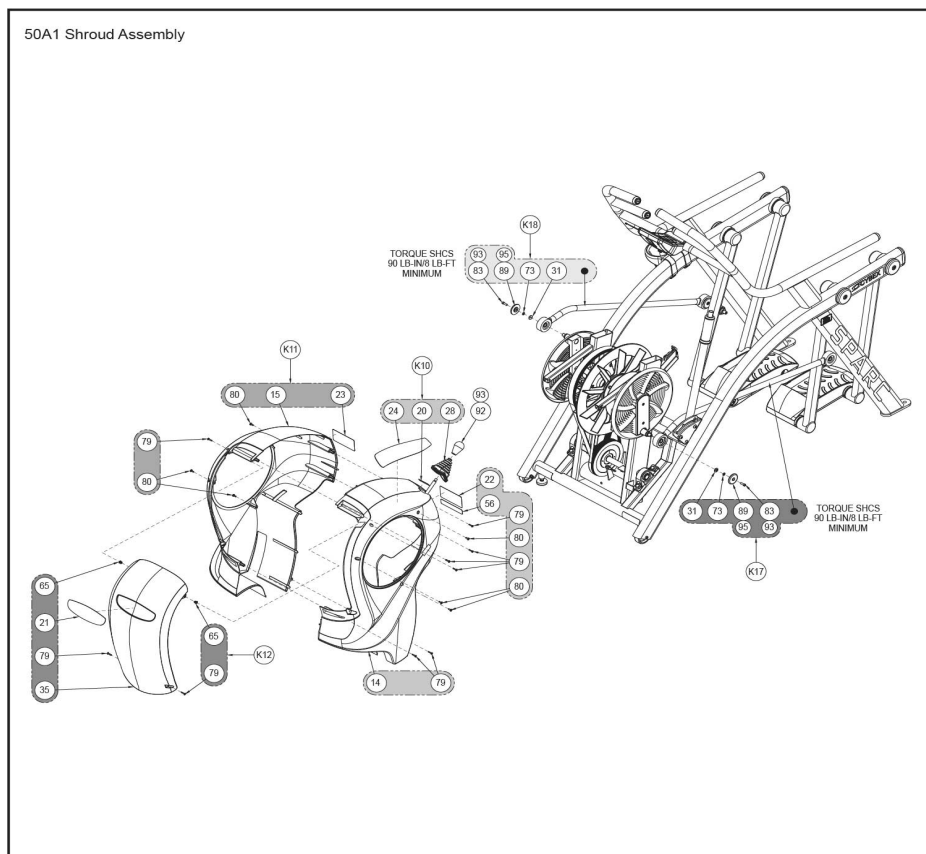
Ref #	Part Number	Qty	Description
1	K50A1-106	1	KIT: HARDWARE, SPARC
2	BK030201	1	HEX KEY .188IN
3	HC660417	6	BHSCS .312-18 X 1.00 BLACK
4	HS327300	6	LOCKWASHER EXT TOOTH .312 BLACK ZINC
5	HT552515	2	TAP SC NO. 8-16 X .75 PLASTITE PN HD PHIL BLK
6	EC-25295	2	BATTERY, D-CELL 1.5V ALKALINE 2 PACK

50A1 Incline Lever Assembly



Ref #	Part Number	Qty	Description
6	50A1-103	1	LIFT ASSEMBLY
K16	50A1K002	1	KIT, LIFT ARM LOCK PIN
93	YA000201	1	ADH THRD LKR REM .02 OZ 242
100	50A1-203	1	W/ HANDLE LIFT
101	50A1-349	1	ROD, PUSH, HANDLE
102	50A1-353	1	PIN, LOCK
103	50A1-367	1	GRIP, 1.25 ID X .12 WASLL X 5.25 LG
104	BS070209	1	COMP SPRING .66 X .72 1.50 LG
105	FB130220	1	BRG, FLG .75 X 1.00 X .75 LG
106	HS348006	1	WASHER, NYL .385 X 1.000 X .125T
107	JC702812	1	SHCS .375-16 X .500
181	HS347600	1	WASHER SAE .375
184	BR030231	2	RETAINING RING .375 EXTERNAL
185	50A1-405	2	WASHER, RETAINING, .385 ID
186	HS348001	2	WASHER, BLACK NYLON, .385 ID X .750 OD X .062 THK

50A1 Shroud Assembly



Ref #	Part Number	Qty	Description
K1	K50A1-102	1	Kit Sparc Linkage Rod
K10	K50A1-365	1	Kit Sparc Shroud Left
K11	K50A1-366	1	Kit Sparc Shroud Right
K12	K50A1-374	1	KIT ACCESS COVER
14	50A1-365	1	COVER, LEFT HAND
15	50A1-366	1	COVER, RIGHT HAND
20	50A1-373	1	DECAL, RESISTANCE LEVER
21	50A1-374	1	DECAL LOGO, SPARC
22	50A1-375	1	Decal Sparc Left Warning Custom
23	50A1-376	1	Decal Sparc Rght Warning Custom
24	50A1-377	1	DECAL, INCLINE Custom
28	50A1-384	1	BOOT
31	600A-311	2	SPACER FLANGE
35	740A-352	1	Cover Access
56	DE000032	1	Decal Leveling Unit Custom
65	HF540200	2	GROMMET NYLON
73	HS307601	2	WASH FLAT .281 .500 .062 T
79	HT552515	5	TAP SC NO. 8-16 X .75 PLASTITE PN HD PHIL BLK
80	HT572512	6	TAP SC NO. 10 - 24 X .50 PN HD PHIL
83	HX622815	2	SHCS .250-20 X .75 SS
89	600AK012	2	KIT LINKAGE CAP
92	PP470007	1	KNOB, OVAL .375-16, YEL

