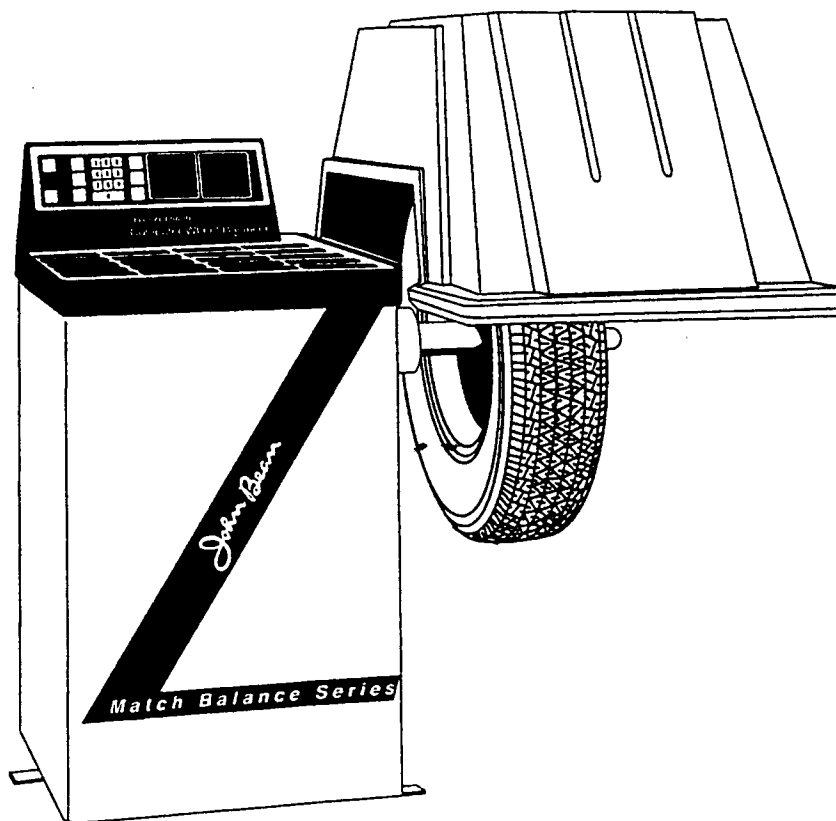
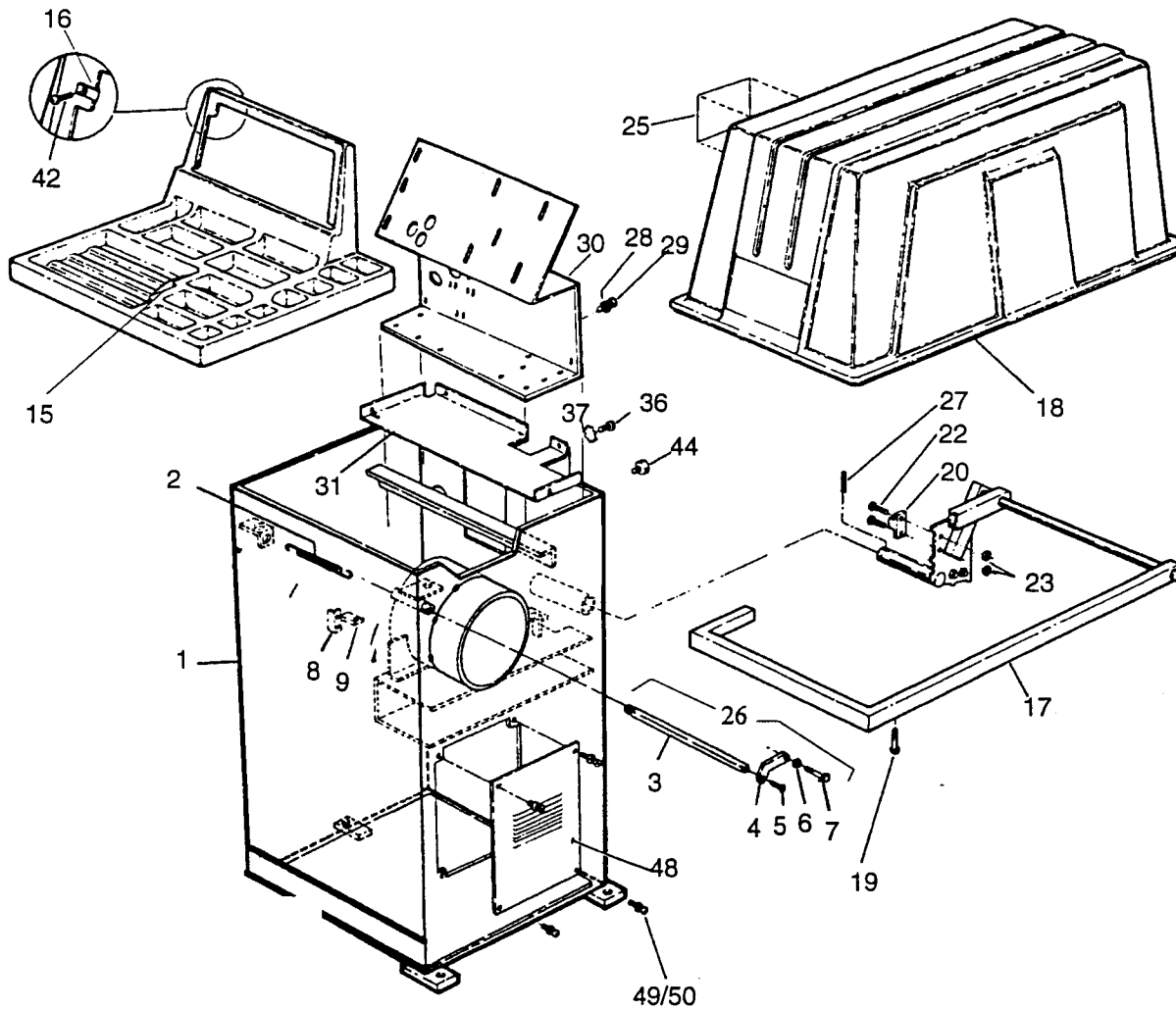


Parts Reference

4100/4100SC Computerized Wheel Balancer



FORM# 4568-14

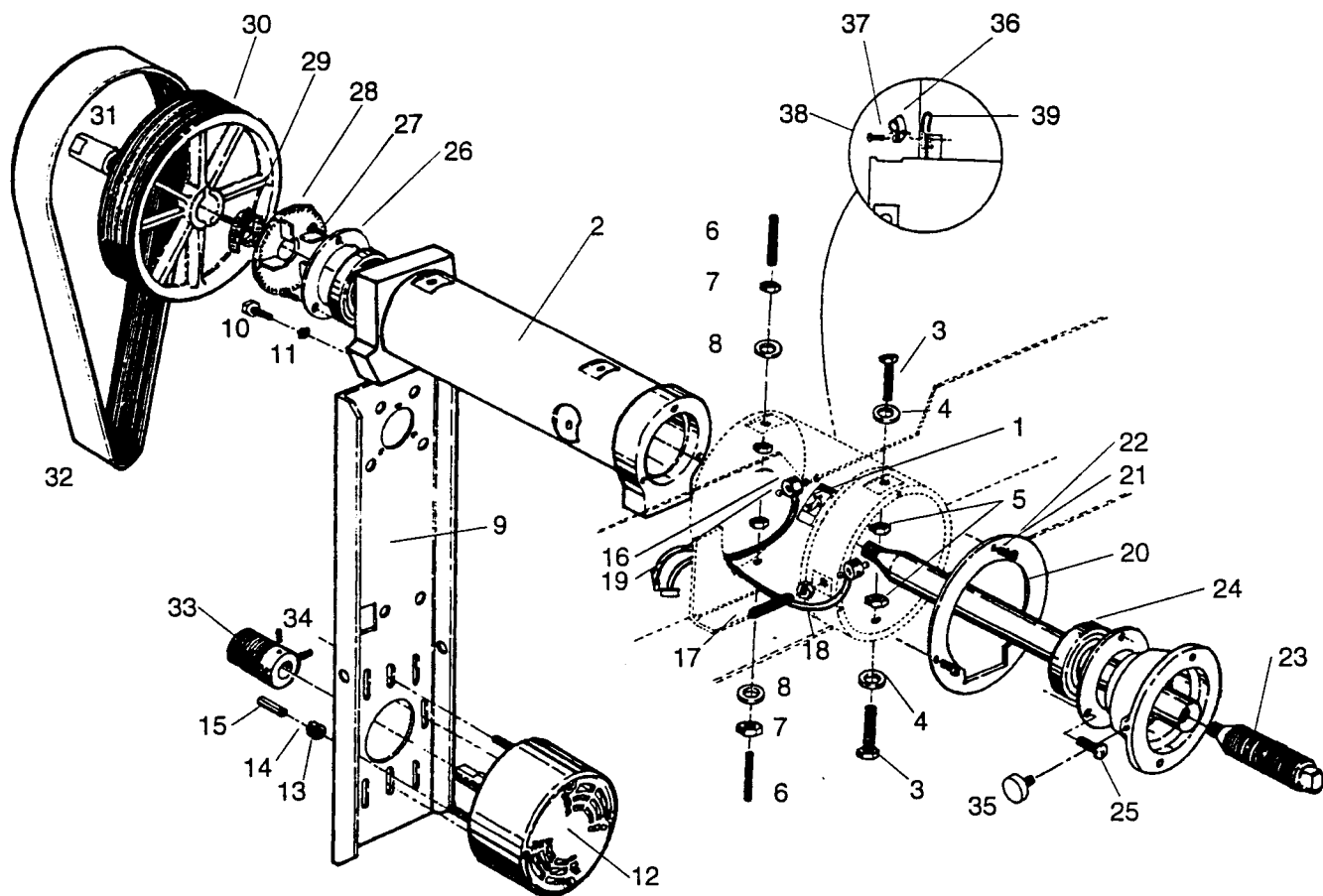


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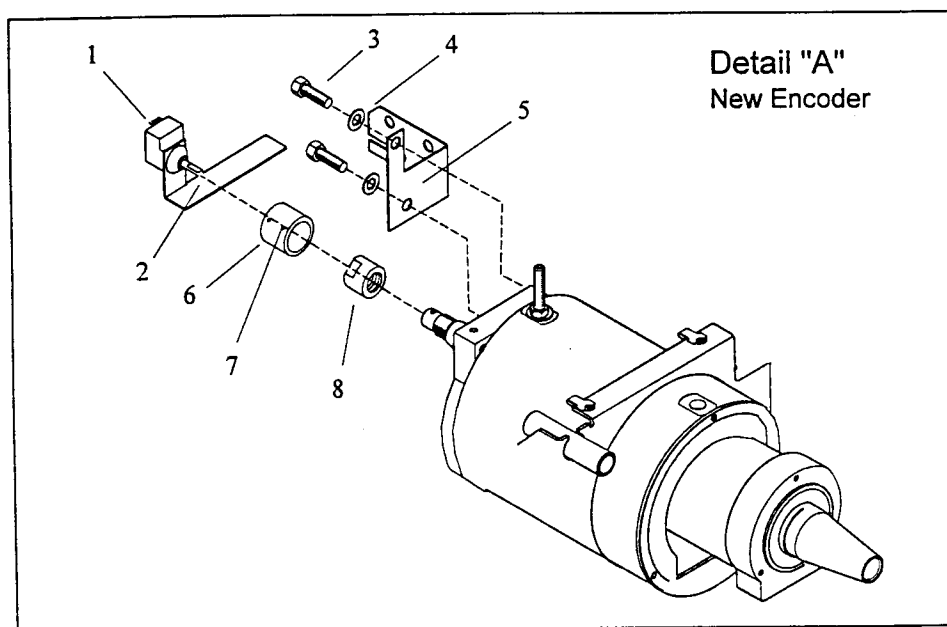
Cabinet and Wheel Guard

<u>Ref No</u>	<u>Part No</u>	<u>Description</u>
1	110262	Base Weldment
2	61539	Distance Gauge Spring
3	61541	Distance Gauge Rod
4	61540	Distance Gauge Extension
5	1101710	#10-24x5/8" Self-tap Screw
6	1100807	1/4-20x2" HHC Screw
7	1121507	1/4-20 Hex Nut
8	110168	Encoder Bracket (older style)
9	N/A	Encoder Board - Obs - use #110450
15	110211	Weight Tray
16	1101712	#6-32 Clip Nut
17	61960	Wheel Cover Frame Weldment
18	61954	Molded Wheel Cover
*	61986	40" Wheel Cover Assy.
*	110240	40" Wheel Cover Kit (4150)
*	110239	35" Wheel Cover Kit (4150)
19	1101778	3/16" Dia. Lg. Head Pop Rivet
20	61829	Interlock Switch Magnet
22	1115705	#6-32x5/8" Screw
23	1109764	#6-32 Nut
25	61985	Warning Label
26	61751	Distance Gauge Assembly
27	1101794	5/16X1-1/2" Roll Pin
28	1187559	#10 Ext. Tooth Lockwasher
29	1115201	#10-24x1/2" Flat Hd. Screw
30	110264	Electrical Panel
31	110174	Fire Shield Plate
36	1115810	#10-24x1/2" Screw
37	1187559	Tooth Lockwasher
42	1101964	#6-32x5/8" Black Screw
44	110563	Calibration Weight
48	61899	Fan Support Plate
49	1115810	#10-24x1/2" Screw
50	1187949	#10 Int. Tooth Lockwasher
*	63096	Flexible Trim
*	1101567	#10-24 Speed Nut

* NOT SHOWN



Note:
Must order shaft and bearing assembly complete
Part number 61569



Motor and Shaft Assemblies

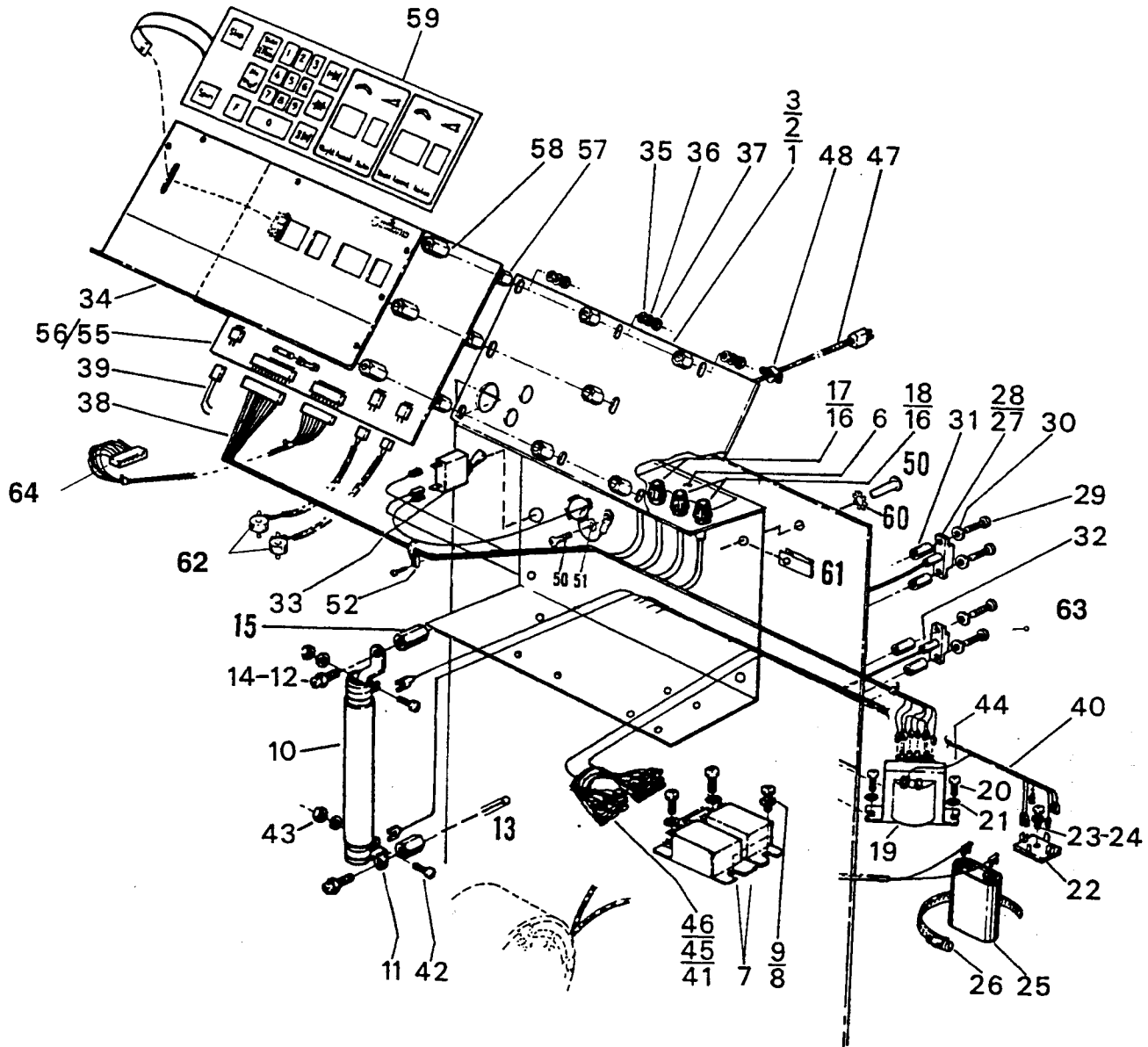
<u>Ref No</u>	<u>Part No</u>	<u>Description</u>
1	61316	Lockout Power Label
2	110159	Machined Bearing Tube
3	1101728	1/2-13x2-1/4" Setscrew
4	1119966	1/2" Brass Flat Washer
5	1121553	1/2-13 Jam Nut
6	1103523	3/8-16x2-1/2" Setscrew
7	1121551	3/8-16 Jam Nut
8	1107383	3/8" Flat Washer
9	110172	Motor Mount Plate
10	1100046	3/8-16x1.0" HHCS Screw
11	1187764	3/8" Lockwasher
12	111862	Drive Motor 115/230v
13	61840	Motor Washer
14	1187949	#10 Int. Tooth Lockwasher
15	61121	#10-32x3/4" Hex Spacer
16	61564	Pickup Assembly
17	1101717	3/8-16x1.0" Screw
18	1121551	3/8-16 Jam Nut
19	177856	7/32" Dia. Ball
20	61937	Suspension Tube Cap Assy.
21	1115810	#10-24x1/2" Screw
22	1187949	#10 Int. Tooth Lockwasher
23	61379	Stub Shaft
24	61569	Shaft and Bearing Assembly
25	1112276	#10-24x3/8" SHCS Screw
26	61763	Preload Bearing Plate
27	1101726	#10-24x1/2" But. Hd. Screw
28	61196	Encoder Disk (older style)
29	60377	Encoder Clamp (older style)
30	61634	Large Pulley
31	110175	5/8-18 Nut
32	61728	Drive Belt
46	61727	Small Drive Pulley 0.500 bore (60 Hz)
*	111981	Small Drive Pulley 0.625 bore (60 Hz)
*	61720	Small Drive Pulley 0.500 bore (50 Hz)
*	111980	Small Drive Pulley 0.625 bore (50 Hz)
34	1103444	1/4-20x1/2" Setscrew

<u>Ref No</u>	<u>Part No</u>	<u>Description</u>
35	110563	Calibration Weight Slug
36	1101641	5/16" Cable Clamp
37	1115700	#6-32x1/2" Screw
38	1187287	#6 Flat Washer
39	1101712	#6-32 Tinnerman Nut
*	1187559	#10 Ext Tooth Lockwasher
*	1120210	3/16x1.0" Roll Pin
*	1109766	#10-24 Hex Nut
*	61712	#10-24x11/32A
*	1115825	#10-24x7/8" PH Screw

Detail "A" - Encoder Assembly

<u>Ref No</u>	<u>Part No</u>	<u>Description</u>
1	110557	Optical Encoder
2	110762	Anti-Rotation Bracket
3	1100046	3/8-16x1" screw
4	1187764	3/8" lockwasher
5	110761	Encoder Bracket
6	110438	Shaft to Encoder Coupling
7	1112671	Set Screw - #10-24x .25 HS
8	110175	Pulley Nut
*	110763	Encoder Harness (Domestic)
*	110772	Encoder Harness (Export)
*	110450	Encoder Replace Kit (Domestic) (contains parts above - for converting old type to new type)
*	110449	Encoder Replace Kit (Export) (contains parts above - for converting old type to new type)

* NOT SHOWN

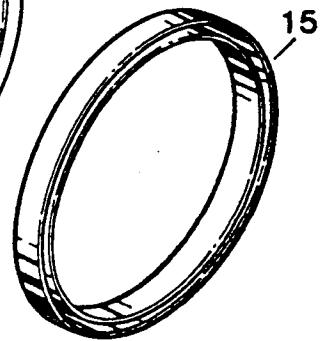
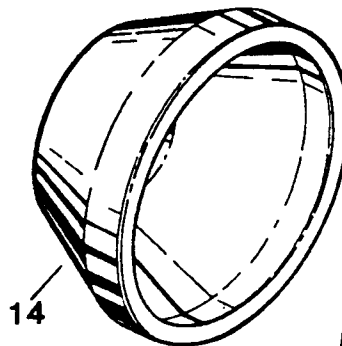
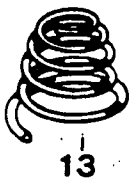
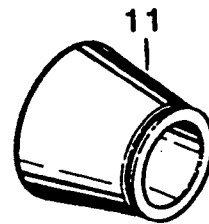
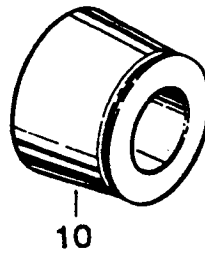
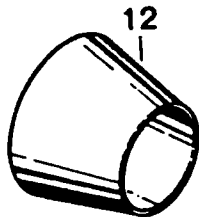
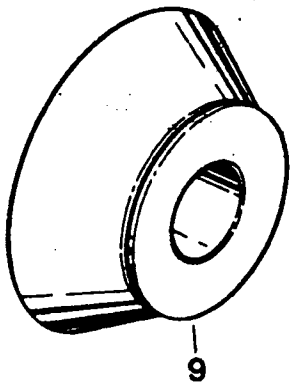
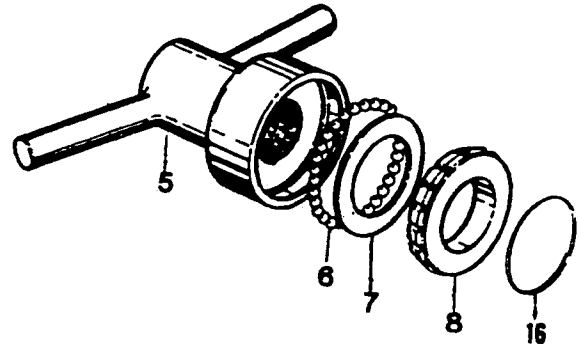
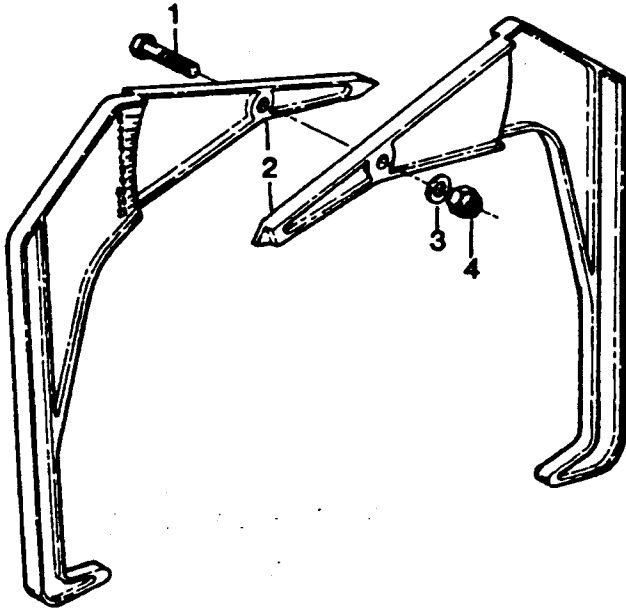


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Electrical Panel

<u>Ref No</u>	<u>Part No</u>	<u>Description</u>	<u>Ref No</u>	<u>Part No</u>	<u>Description</u>
1	110264	Electrical Panel	41	61705	Relay Harness Assembly
2	60385	#10-24 Nutsert	42	1115810	#10-24x1/2" Screw
3	62125	#6-32 Nutsert	43	1109766	#10-24 Hex Nut
4	8027275	Rubber Grommet (Older Units)	44	61697	7" Jumper Assembly
5	64252	Rubber Grommet (Older Units)	45	61701	5" White Jumper Assy.
6	61679	Fuse Label	46	61702	5" Black Jumper Assy.
7	61644	Relay - 115v	47	2511355	Power Cord
	61174	Contactor - 230v	48	1228668	Strain Relief
*	110420	Diode Assembly	*	1101716	12ga. Insul. Wire Joint
8	1115700	#6-32x1/2" Screw	50	1115810	#10-24x1/2" Screw
9	1177246	#6 Ext. Tooth Lockwasher	51	1187949	#10 Lockwasher
10	61654	Brake Resistor	52	1101610	Tie Wrap
11	61653	Resistor Mounting Bracket	55	110373	Computer PCB Assy.
12	1117021	#10-32x1/2" Screw			(Match Mount/ALU)
13	1114741	#10-32x3/8" Screw		110227	Computer PCB Assy. (Non-MM)
14	1187949	#10 Int. Tooth Lockwasher	56	1115825	#10-24x7/8" RHM Screw
15	61121	#10-32x3/4" Hex Spacer	57	61712	#10-24x11/32" Hex Spacer
16	64087	Fuseholder	58	61649	#10-24x7/16" Hex Spacer
17	74105	1.0 Amp SLO BLO Fuse	59	61538	Membrane Switch Panel
18	74105	1.0 Amp SLO BLO Fuse	60	1187559	#10 Ext. Tooth Lockwasher
19	110071	Transformer - 115v	61	1101567	#10-24 Speed Nut
	110072	Transformer - 230v	62	61564	Pickup Assembly
	110073	Transformer - 100v	*	61999	Front Panel Assembly
20	1115700	#6-32x1-1/2" Screw	*	82820	Sw.-to-Fuse Jumper Wire
21	1177246	#6 Ext. Tooth Lockwasher	*	110261	Fuse Label
22	110004	Bridge Rectifier Assembly (115v)	*	70134	Battery (early PCBs only)
	110005	Bridge Rectifier Assembly (230v)	*	110117	Bumper Plate
23	1115730	#6-32x1-1/4" Screw	63	110604	100-115 volt MOV Assy (1 PH)
24	1177246	#6 Ext. Tooth Lockwasher	*	110369	220-240 volt MOV Assy (1 PH)
25	61704	Motor Run Capacitor	64	110763	Encoder Harness (Domestic)
26	60578	Hose Clamp		110772	Encoder Harness (Export)
27	61831	Interlock Switch		110176	Encoder Harness (older style)
28	61830	Interlock Switch Cover	*	1101641	5/16" Cable Clamp
29	1115730	#6-32x1-1/4" Screw	*	61333	1/4" Female Terminal
30	1177246	#6 Ext. Tooth Lockwasher	*	61801	6" Jumper Assembly
31	110128	Unthreaded Spacer	*	61800	6" Jumper Assembly
32	61874	Unthreaded Swag Spacer	*	110448	Suppressor - Interference
33	110318	Switch-Connector Assy.	*	110455	Enhancement Kit - 4100
34	61637	Backing Plate Assembly			
35	1103959	#10 Flat Washer			
36	1187949	#10 Lockwasher			
37	1097668	#10-24 Hex Nut			
38	61659	PCB Harness Assembly			
39	61703	Interlock Switch Cable Assy.			
40	61735	13" Harness Assembly			

* NOT SHOWN



Balancer Accessories

<u>Ref No</u>	<u>Qty</u>	<u>Part No</u>	<u>Description</u>
1	1	1100086	3/16-16x1-3/4" HHC Screw
2	2	61122	Rim Width Gauge Arm
3	1	1107383	3/8" Flat Washer
4	1	1120240	3/8-16 Light ESNA Nut
5	1	61789	Machined Wing Nut
6	27	1177138	1/4" Dia. Steel Ball
7	1	61071	Wing Nut Bearing Insert
8	1	61068	Wing Nut Bearing Housing
9	1	60781	Truck Cone
10	1	61252	Large Cone
11	1	61253	Small Cone
12	1	61476	Special Small Cone
13	1	61075	Conical Spring
14	1	61076	Retainer Cup
15	1	61077	Plastic Retainer Ring
16	1	1101803	Spiral Ring
*	1	4909	Accessories Literature
*	1	4569	Operators Manual 4100 Series
*	1	61072	Wing Nut Assembly
*	1	61123	Rim Width Gauge Assy
*	1	1101794	5/16x1-1/2" Roll Pin
*	3	61750	Anchor Stud
*	1	61993	Accessory Pack (Domestic)

NOTE: Items 6, 7, 8, and part numbers 110144 & 1101803
are part of Wing Nut Repair Kit, Part No. 110145.

* NOT SHOWN

Labels and Decals

110321 Hangsheet - Match Balance

61992 Hangsheet - Operation

110432 "Self Calibrating
Computer Balancer" Label

110273 "Self
Calibrating" Decal

(Back side)
61231 "Danger"
80322 "Warning"
110275 "Patent"

110305 Shaft "Caution" Label

110430 "John Bean Stripe"

110431 "Match Balance" decal

