

2037

2137

Parts Catalog

INTRODUCTION

This publication is provided solely as a guide for individuals who have received METTLER TOLEDO Technical Training in servicing the METTLER TOLEDO product.

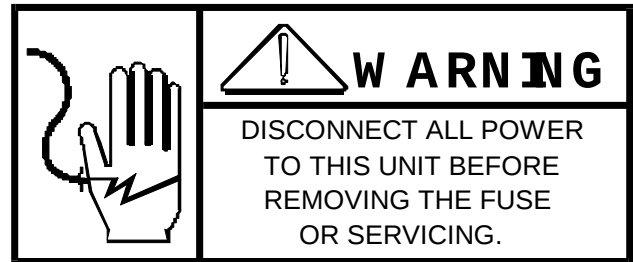
Information regarding METTLER TOLEDO Technical Training may be obtained by writing to:

METTLER TOLEDO
Training Center
P.O. Box 1705
Columbus, Ohio 43216
(614) 438-4400

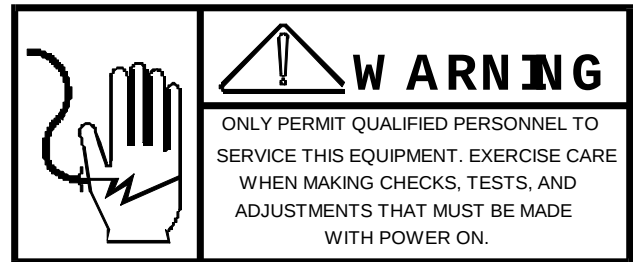
METTLER TOLEDO RESERVES THE RIGHT TO MAKE
REFINEMENTS OR CHANGES WITHOUT NOTICE.

PRECAUTIONS

- **READ** this manual before operating or servicing this equipment.
- **ALWAYS REMOVE POWER** and wait at least 30 seconds **BEFORE** connecting or disconnecting any internal harnesses. Failure to observe these precautions may result in damage to, or destruction of the equipment.



- **ALWAYS** take proper precautions when handling static sensitive devices.



- **SAVE** this manual for future reference.
- **DO NOT** allow untrained personnel to operate, clean, inspect, maintain, service, or tamper with this equipment.
- **ALWAYS DISCONNECT** this equipment from the power source before servicing.
- **CALL** METTLER TOLEDO for parts, information, and service.



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TABLE 1

CONFIGURATIONS, SIZES AND CAPACITIES

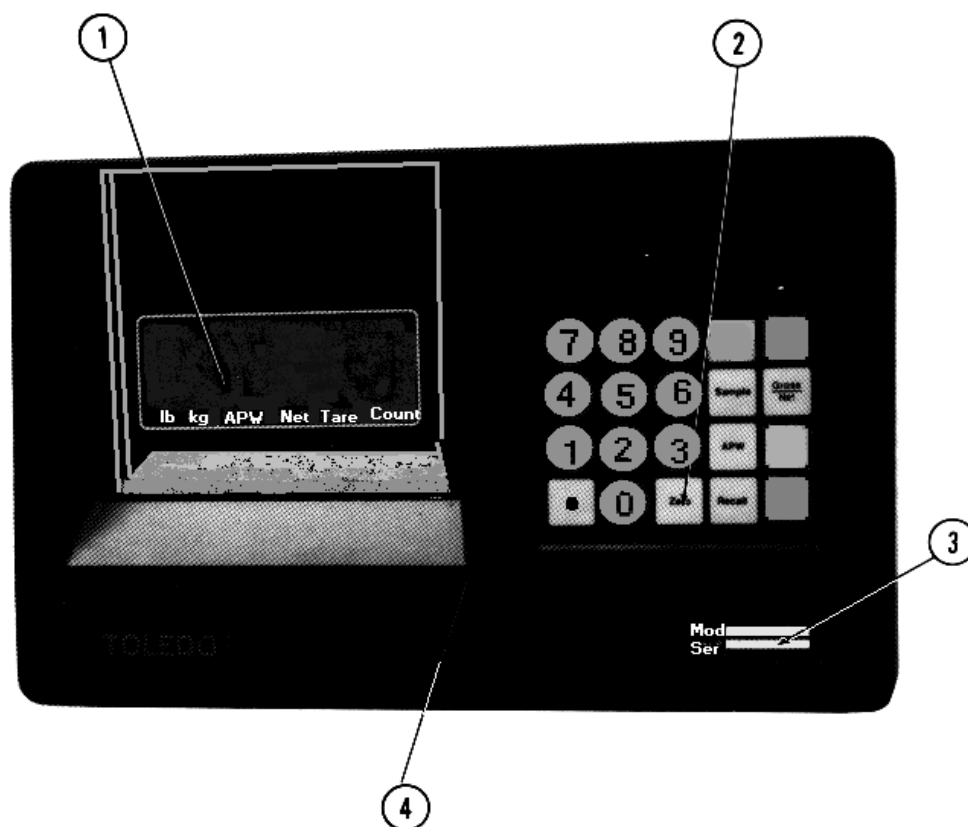
SCALE	INDICATION	INCREMENTS	LOAD CELL	L/C INITIAL	LEVER MULTIPLE	L/C PULL AT FULL SCALE	PLATFORM DIMENSION
2037-0001	100 X 0.02 lb (50 x 0.01 kg)	5000	25 lb	8 lb	10.42	9.6 lb 10.6 lb	19-1/4" W x 20' L
2037-0002	250 x 0.05 lb (100 x 0.02 kg)	5000	50 lb	8 lb	10.42	24.0 lb 21.2 lb	19-1/4" W x 20' L
2137-0001	250 x 0.05 lb (100 x 0.02 kg)	5000	50 lb	8 lb	14.00	17.9 lb 15.7 lb	19-1/2" W x 28-1/4" L
2137-0002	500 x 0.1 lb (250 x 0.05 kg)	5000	100 lb	8 lb	14.00	35.7 lb 39.4 lb	19-1/2" W x 28-1/4" L
2137-0003	1000 x 0.2 lb 500 x 0.1 kg	5000	200 lb	8 lb	14.00	71.4 lb 78.7 lb	19-1/2" W x 28-1/4" L

The configurations listed are the only approved configurations for the application of this product.

NIOTE: This scale may not pass requirements for the 1986 versions of Handbook 44 and should not be used in Legal for Trade applications.

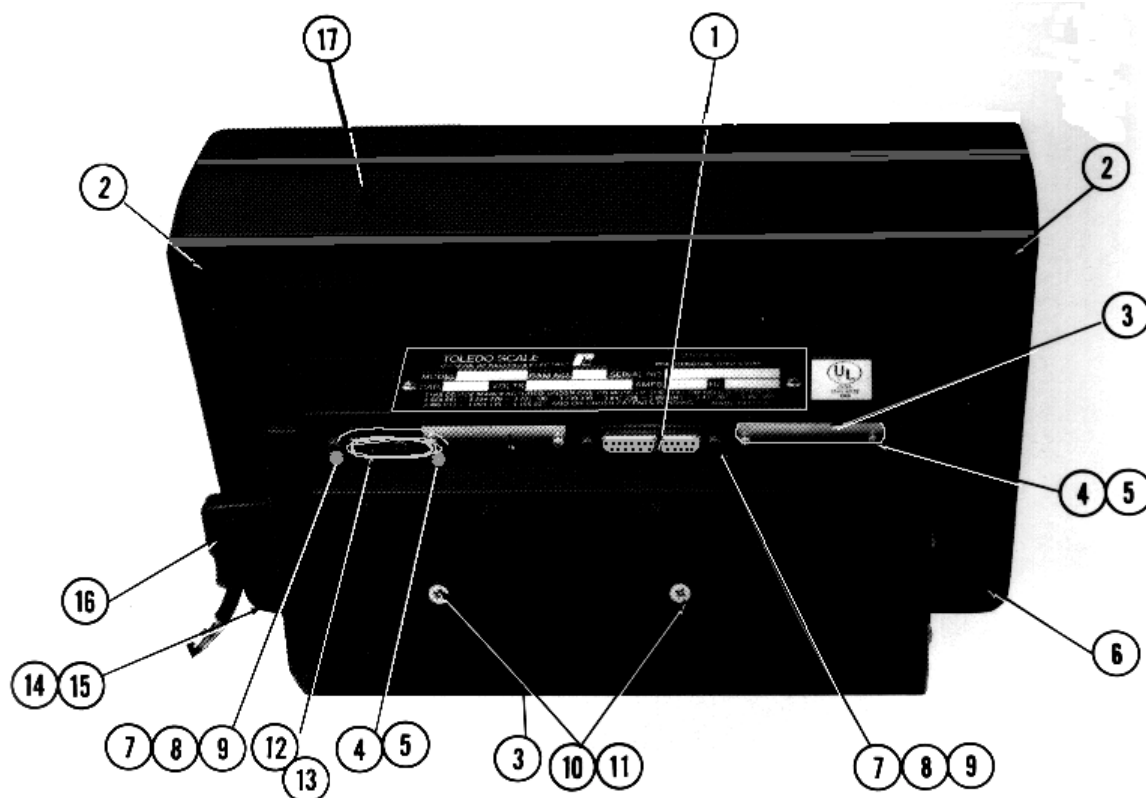
IX. PARTS CATALOG

A. FRONT COVER



REF	PART NUMBER	DESCRIPTION	QTY.
1	127870 00A	Display Lens	1
2	127892 00A	Keyboard Assembly	1
3	119914 00A	Data Tag	1
4	A117485 00A	Front Cover	1

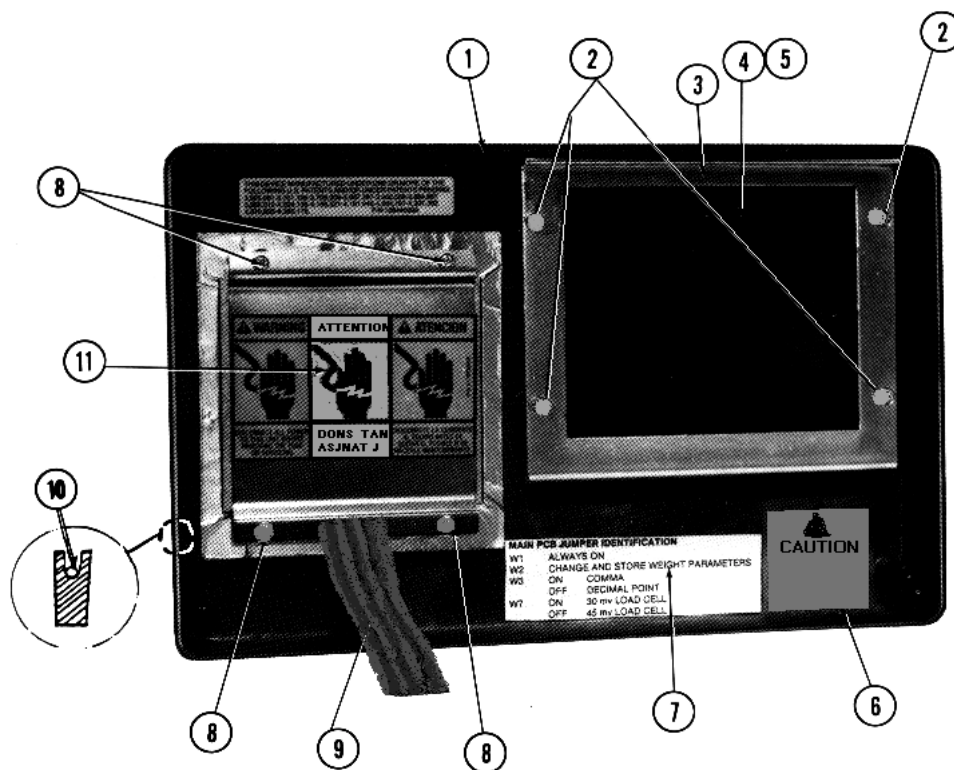
B. REAR COVER



REF	PART NUMBER	DESCRIPTION	QTY.
1	A121651 00A	Serial I/O Harness	1
2	R03557 00A	Screw, 8-32 x 2-1/2	3
3	112388 00A	Cover Plate	2
4	R02101 050	Screw, 4-40 x 3/8	4
5	R03638 00A	Nut, 4-40	4
6	A124136 00A	Sealing Screw	1
7	125365 00A	Standoff	4
8	R02547 00A	Lockwasher #4	4
9	R03305 00A	Nut, 4-40	4
10	R00861 050	Screw, 8-32 x 3/4	2
11	R03298 00A	Lock Nut, 8-32	2
12	B121648 00A	Load Cell Harness	1
13	125851 00A	Load Cell Harness (RFI)	AR
14	112145 00A	Fuse, 0.5A Slo-Blo (120V)	AR
15	095920 00A	Fuse, 0.25A Slo-Blo (240V)	AR
16	109445 00A	Line Cord	1
17	B117486 00A	Rear Cover	1

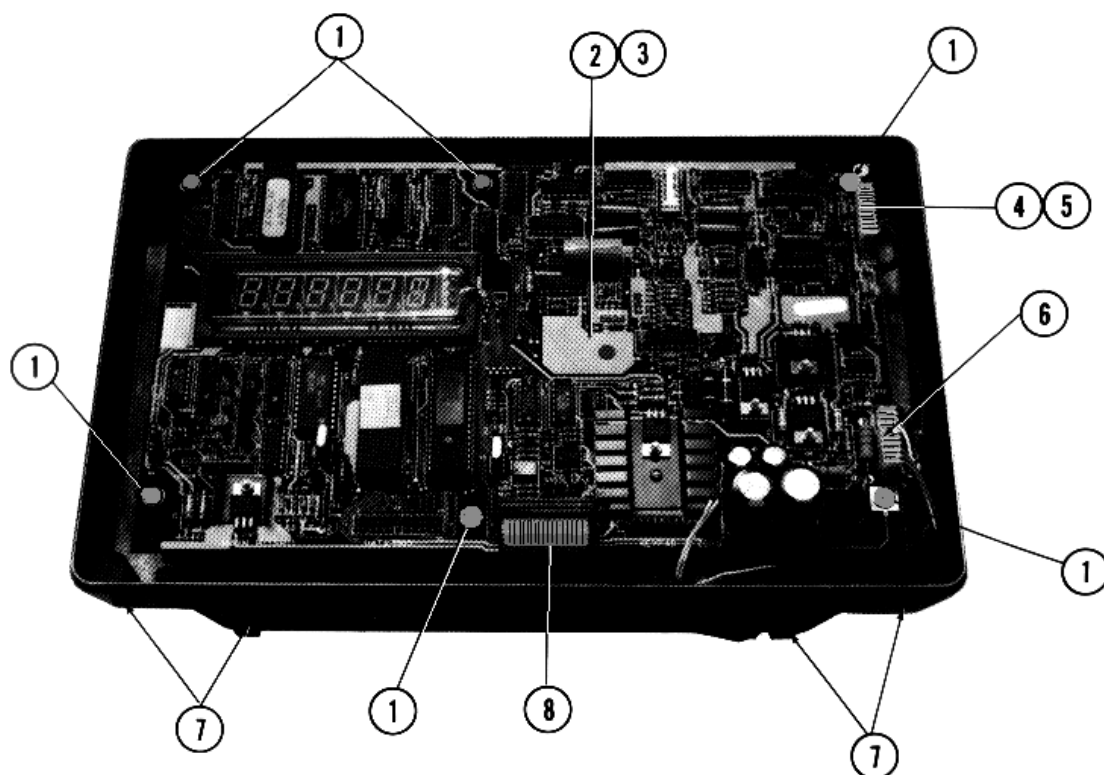
AR - As Required

C. INSIDE FRONT COVER



REF	PART NUMBER	DESCRIPTION	QTY.
1	A117485 00A	Front Cover	1
2	R02236 00A	Screw 6-32 x 3/8	4
3	125809 00A	Window Clamp	1
4	127870 00A	Display Lens	1
5	A121661 00A	Clear Screen	1
6	116033 00A	Static Caution Label	1
7	127872 00A	Jumper ID Label	1
8	R03619 00A	Screw 6-32 x 1/4	4
9	127892 00A	Keyboard Assembly	1
10	301070 001	EMI Gasket	40"
11	A118792 00A	Warning Decal	1

D. PCB AND HARNESES

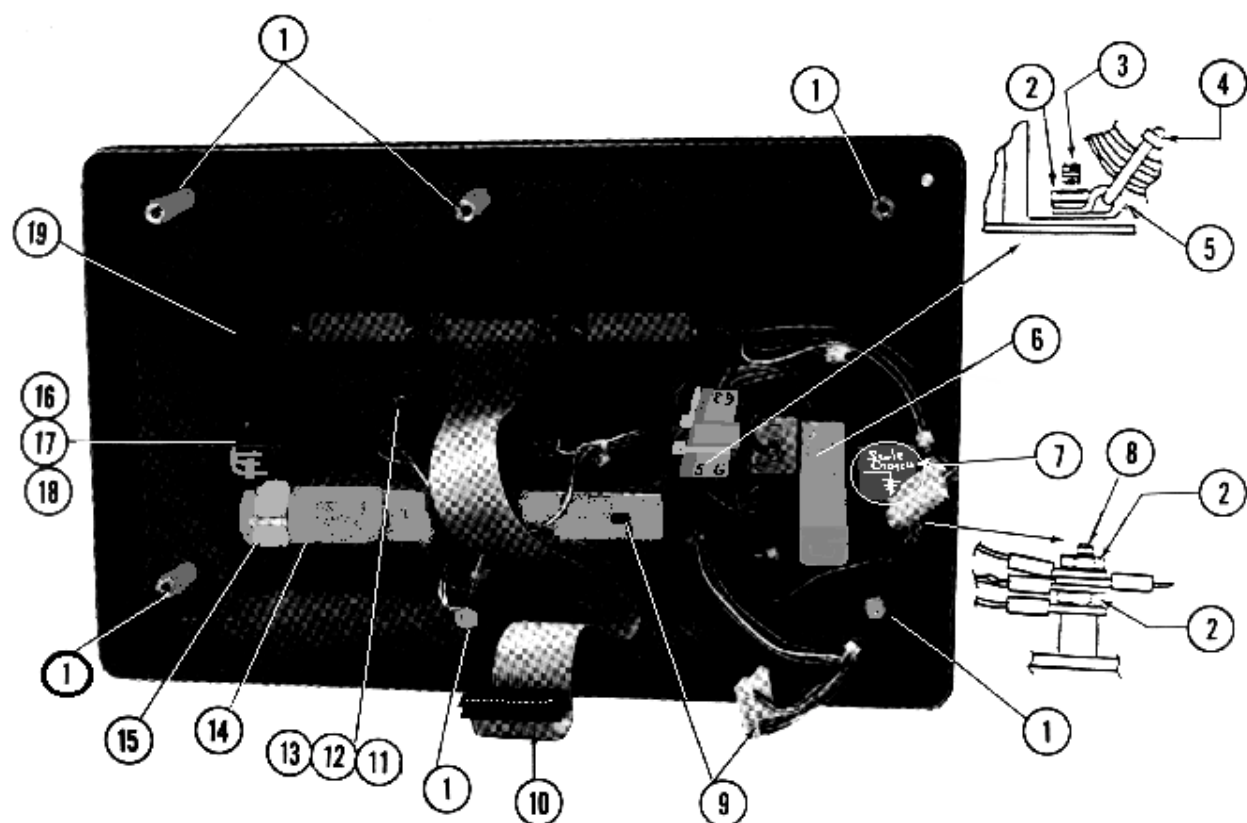


REF	PART NUMBER	DESCRIPTION	QTY.
1	R01183 050	Screw 8-32 x 1/4	6
2	B127875 00A	Main PCB	1
3	A123463 00A	Insulating Paper	1
4	B121648 00A	Load Cell Harness	1
5	125851 00A	Load Cell Harness (RFI)	AR
6	121646 00A	Power Supply Harness*	1
7	108397 00A	Adhesive Foot	4
8	A121651 00A	Serial I/O Harness	1

AR - As Required

* - Includes transformer, capacitor and rectifier

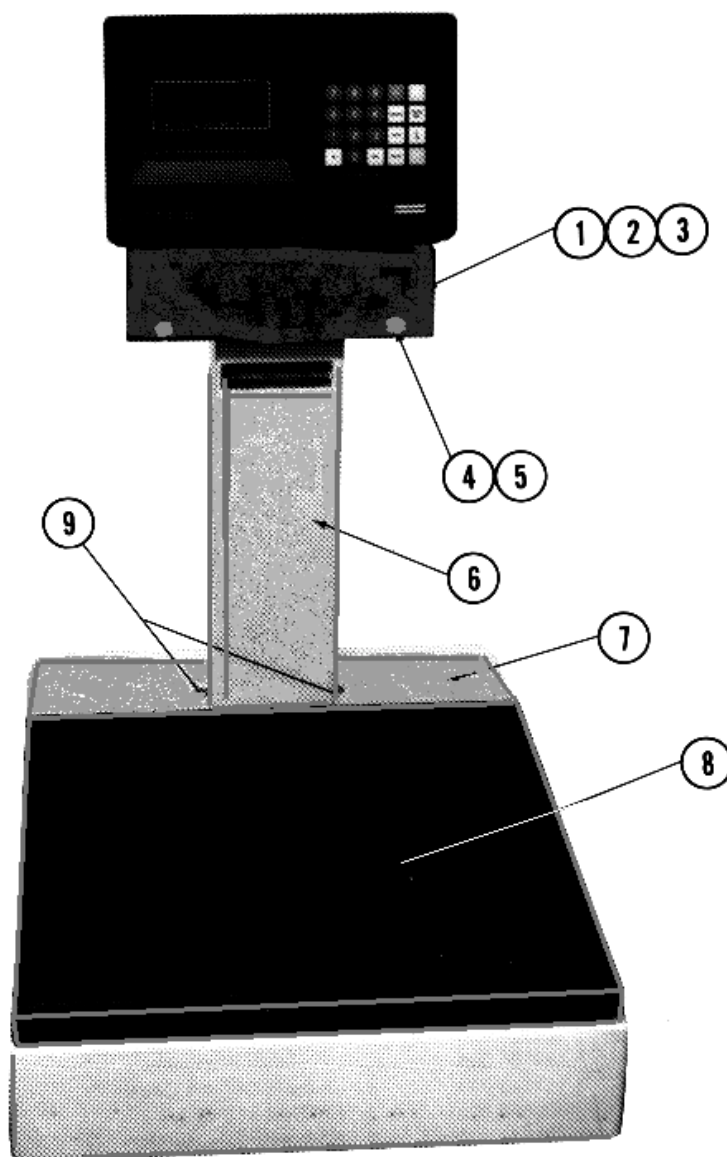
E. POWER SUPPLY



REF	PART NUMBER	DESCRIPTION	QTY.
1	R03620 00A	PCB Standoff	6
2	R03298 00A	Nut, 8-32	4
3	R00861 050	Screw, 8-32 x 3/4	2
4	098271 00A	WireTire	1
5	124764 00A	Cable Clamp	1
6	124105 00A	Line Filter Assembly	1
7	117113 00A	Chassis Ground Decal	1
8	R03688 00A	Set Screw, 8-32 x 1	1
9	121646 00A	Power Supply Harness*	1
10	A121651 00A	Serial I/O Harness	1
11	093943 00A	Bridge Rectifier (25A)	1
12	R03621 00A	Screw, 6-32 x 3/4	1
13	R03283 00A	Nut, 6-32	1
14	121643 00A	Capacitor (30,000 uf - 15VDC)	1
15	124835 00A	Capacitor Clamp	1
16	R00813 050	Nut, 6-32	2
17	R01771 050	Lockwasher #6	2
18	R03710 050	Screw 6-32 x 3/8	2
19	R03737 00A	Hole Plug	1

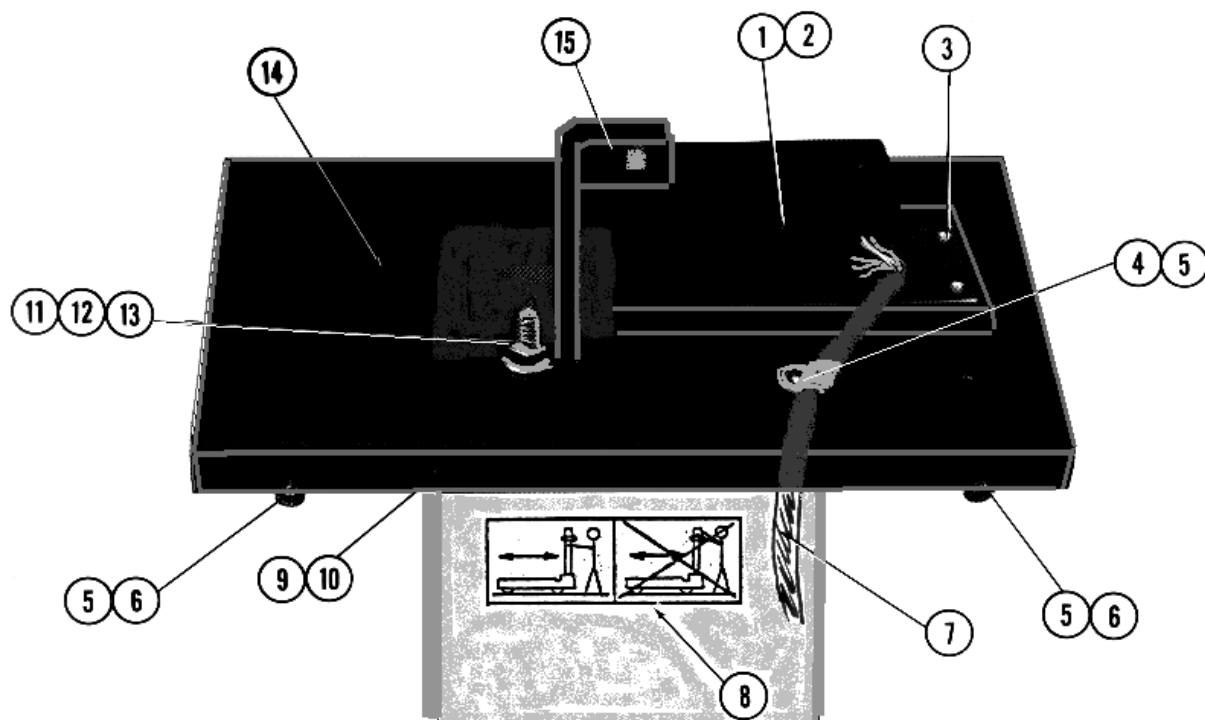
* - Includes transformer, capacitor and rectifier

F. 2037 COVER AND PLATFORM



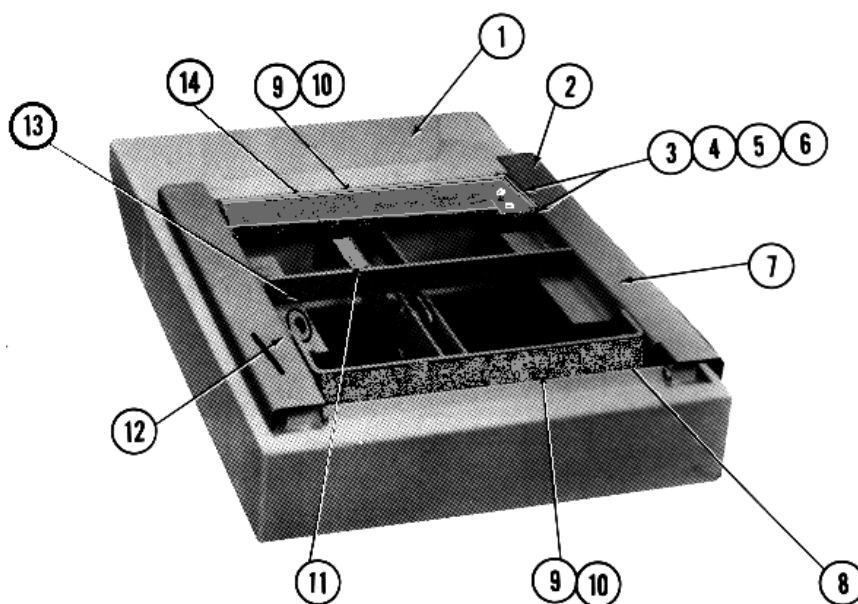
REF	PART NUMBER	DESCRIPTION	QTY.
1	129158 00A	Top Cover and Bracket	1
2	R02179 130	Screw, 10-24 x 1/2 (N.S.)	2
3	R02545 00A	Lockwasher, #10 (N.S.)	2
4	R00844 130	Screw, 8-32 x 3/8"	4
5	R00589 130	Lockwasher, #8	4
6	119090 00A	Column	1
7	119621 00A	Base	1
8	116375 00A	Platform	1
9	R01899 140	Plug	2

G. 2037 LOAD CELL ASSEMBLY



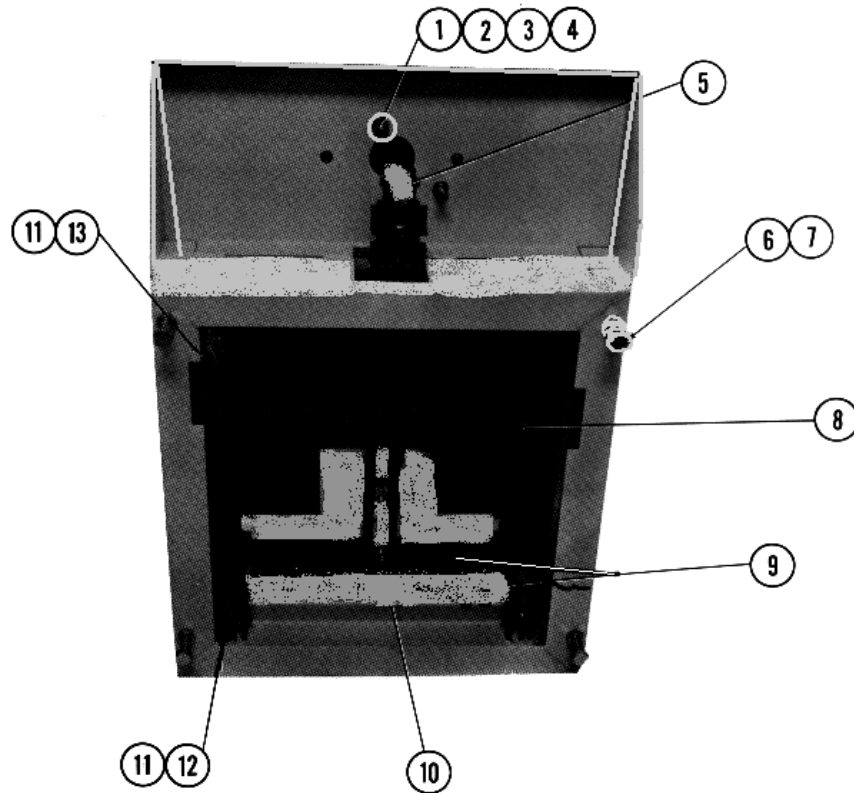
REF	PART NUMBER	DESCRIPTION	QTY.
1	123741 00A	Load Cell and Plate Assb. 25#	AR
2	123742 00A	Load Cell and Plate Assb. 50#	AR
3	R01260 050	Screw, 10-32 x 1/2"	4
4	124764 00A	Cable Clamp	1
5	R00844 130	Screw, 8-32 x 3/8"	5
6	R00589 130	Lockwasher, #8	4
7	129162 00A	Load Cell Harness	1
8	107904 00A	Decal	1
9	119092 00A	Steelyard Rod (N.S.)	1
10	R00433 050	Nut, 5/16" - 18 (N.S.)	1
11	119091 00A	Column Rod	2
12	000043 050	Nut, 3/8" x 16	2
13	R00440 00A	Lockwasher, 3/8"	2
14	A119082 00A	Top Channel Plate	1
15	A119086 00A	Hook Assembly	1

H. 2037 BASE AND SPIDER



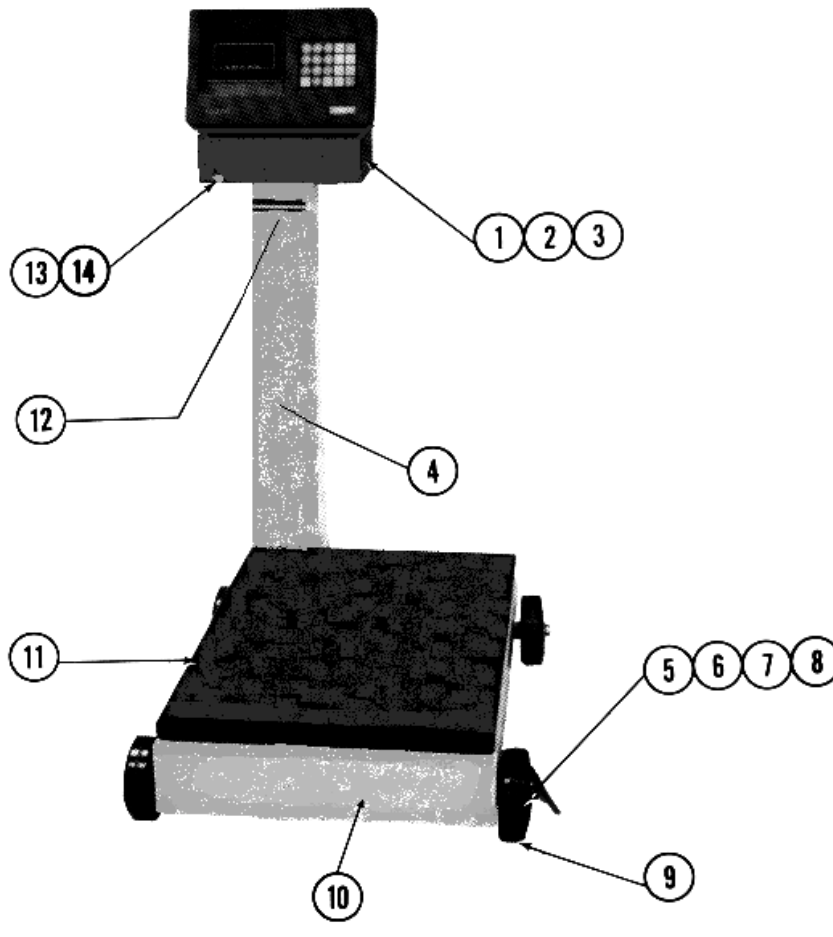
REF	PART NUMBER	DESCRIPTION	QTY.
1	119621 00A	Base Assembly	1
2	A116381 00A	Spider Assembly	1
3	R00440 00A	*Lockwasher, 3/8"	6
4	R00799 050	*Screw, 3/8" - 6	6
5	R01539 050	*Nut, 3/8" - 16	6
6	R01539 050	*Flatwasher, 3/8"	6
7	116373 00A	*Right Side Spider	1
8	A080275 00A	*Rear Brace	1
9	029871 00A	*Screw, 5/16" - 18	2
10	R00433 050	*Nut, 5/16" - 18	4
11	080276 00A	*Center Brace	1
12	116374 00A	*Left Side Spider	1
13	102689 00A	Level Bubble	1
14	B080292 00A	*Front Brace	1

I. 2037 LEVERS



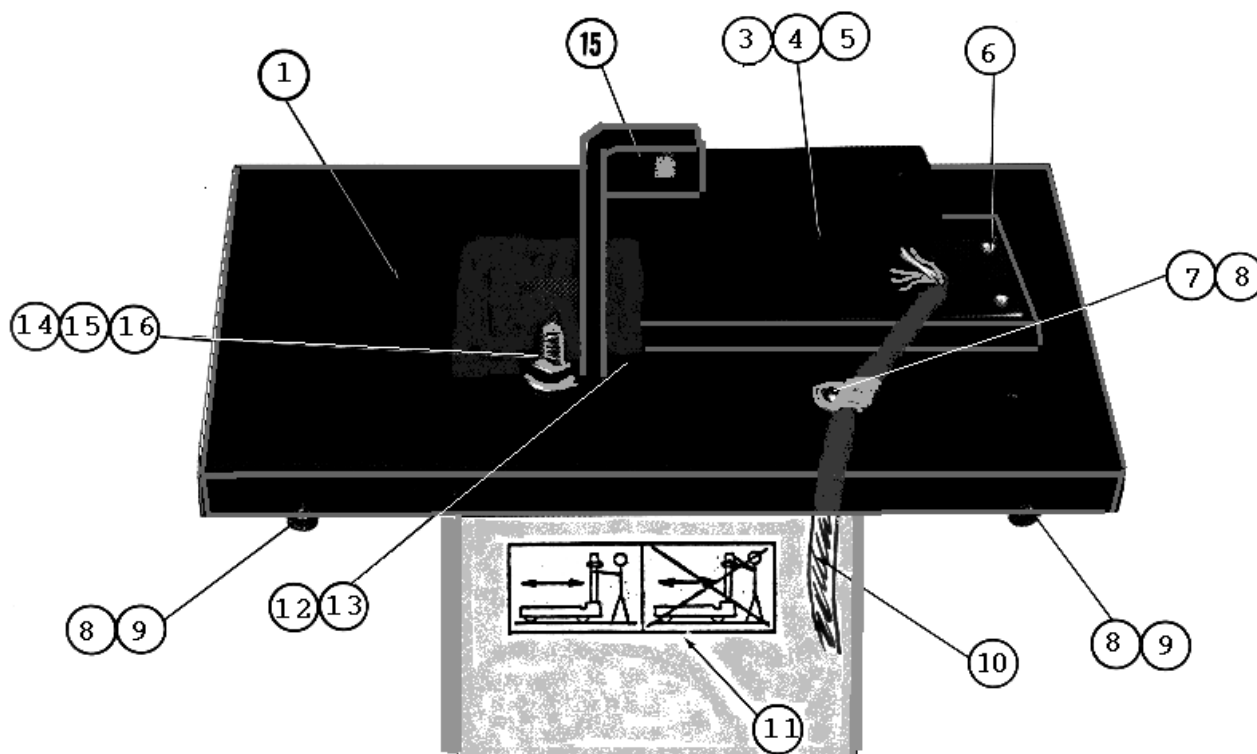
REF	PART NUMBER	DESCRIPTION	QTY.
1	119091 00A	Column Rod	2
2	080288 00A	Lockplate (N.S.)	2
3	000043 050	Nut, 3/8" - 16	2
4	R00440 00A	Lockwasher, 3/8"	2
5	080284 00A	Nose Iron Hook	1
6	R01459 050	Nut, 1/2" - 13	4
7	R00921 050	Bolt, 1/2" - 13 x 2-1/2	4
8	116379 00A	Short Lever	1
9	A116385 00A	Long Lever	1
10	080282 00A	Center Loop Assembly	1
11	080285 00A	Hook Support	4
12	080280 00A	Short Hook Assembly	2
13	080278 00A	Long Hook Assembly	2

J. 2137 COVER AND PLATFORM



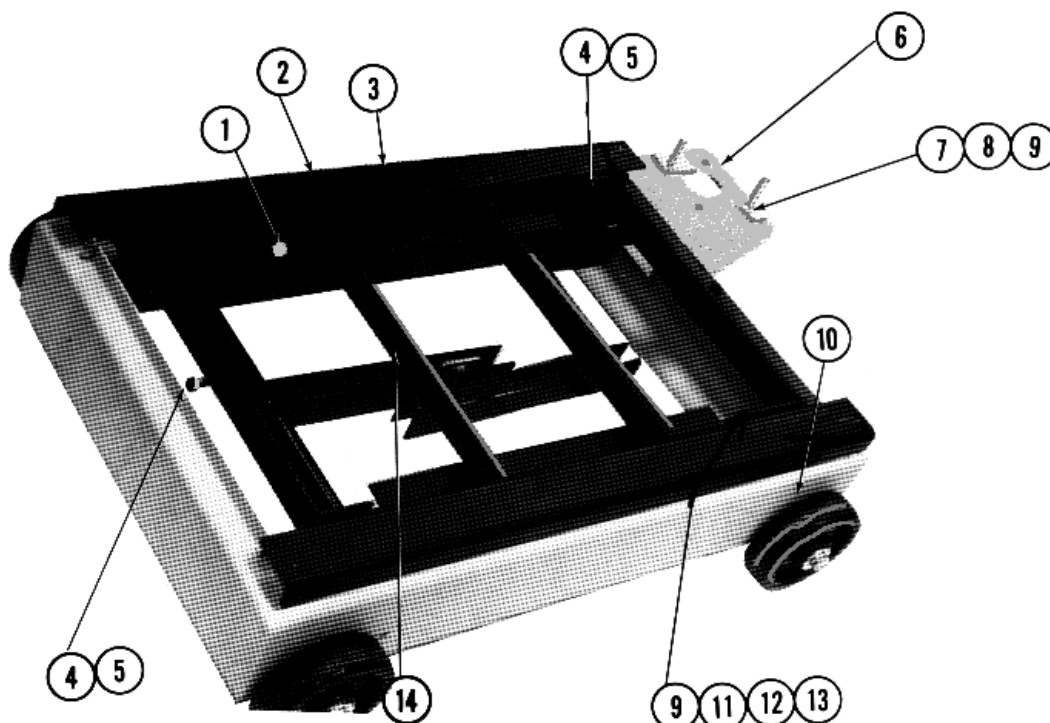
REF	PART NUMBER	DESCRIPTION	QTY.
1	129158 00A	Top Cover Assembly	1
2	R02179 130	Screw, 10-24 x 1/2" (N.S.)	2
3	R02545 00A	Lockwasher, #10 (N.S.)	2
4	119081 00A	Column	1
5	R01459 00A	Nut, 1/2" - 13 (N.S.)	4
6	R01556 050	Washer, 1/2" (N.S.)	8
7	R00989 050	Bolt, 1/2" - 13 x 3-1/2"	4
8	000588 00A	Lockwasher, 1/2" (N.S.)	4
9	116568 00A	Wheel	4
10	080251 00A	Base Assembly	1
11	080287 00A	Platform	1
12	127352 00A	Class III Label	1
13	R00589 130	Lockwasher, #8	4
14	R00844 130	Screw, 8-32 x 3/8"	4

K. 2137 LOAD CELL ASSEMBLY



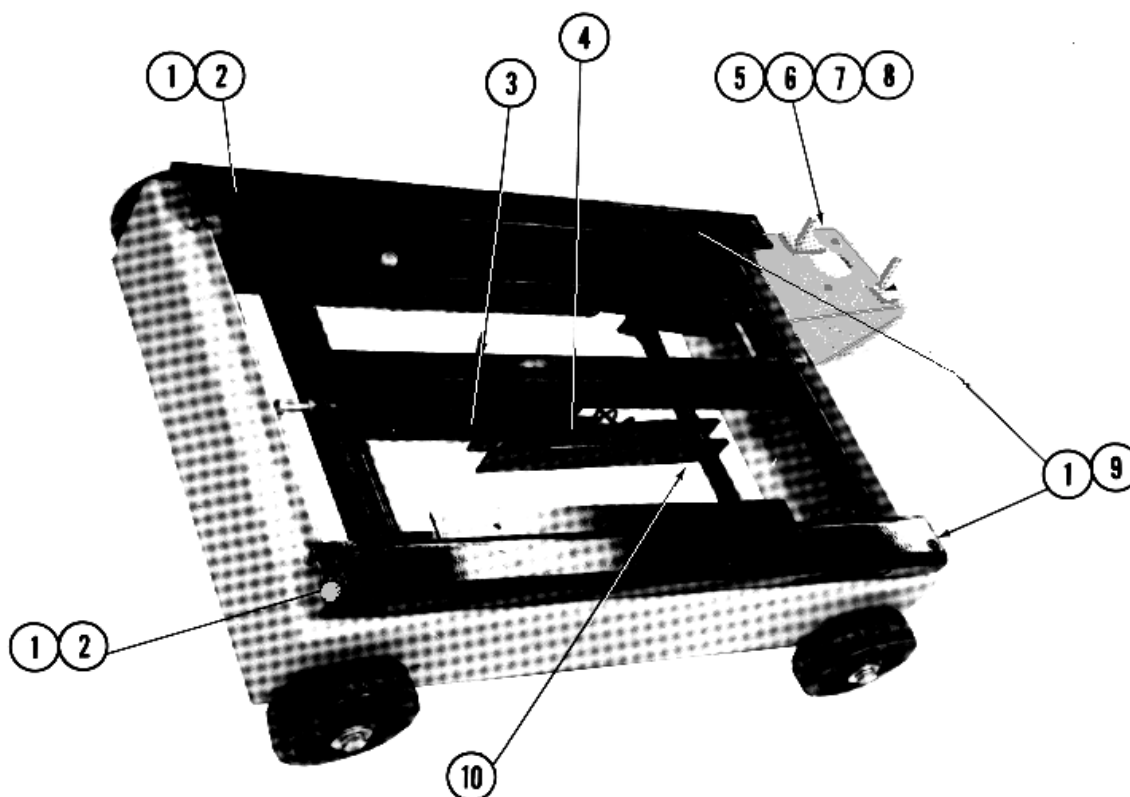
REF	PART NUMBER	DESCRIPTION	QTY.
1	A119082 00A	Top Channel Plate	1
2	A119086 00A	Hook Assembly	1
3	123742 00A	Load Cell & Plate Assembly 50#	AR
4	123743 00A	Load Cell & Plate Assembly 100#	AR
5	123744 00A	Load Cell & Plate Assembly 200#	AR
6	R01260 050	Screw, 1032 x 1/2" (N.S.)	4
7	124764 00A	Cable Clamp	1
8	R00844 130	Screw, 8-32 x 3/8"	5
9	R00589 130	Lockwasher, #8	4
10	129162 00A	Load Cell Harness	1
11	107904 00A	Decal	1
12	119085 00A	Steelyard Rod (N.S.)	1
13	R00433 050	Nut, 5/16" - 18 (N.S.)	1
14	119084 00A	Column Rod	2
15	000043 050	Nut, 3/8" - 16	2
16	R00440 00A	Lockwasher, 3/8"	2

L. 2137 BASE AND SPIDER



REF	PART NUMBER	DESCRIPTION	QTY.
1	102689 00A	Bubble Level	1
2	B080272 00A	Spider Assembly	1
3	080273 00A	* Left Side Spider	1
4	029871 00A	* Bolt, 5/16" - 18	2
5	R00433 050	* Nut, 5/16" - 18	4
6	119084 00A	Column mRod	2
7	080288 00A	Lockplate	2
8	000043 050	Nut, 3/8" - 16 (N.S.)	2
9	R00440 00A	* Lockwasher, 3/8" (N.S.)	8
10	080274 00A	* Right Side Spider	1
11	R00799 050	* Bolt, 3/8" - 16	6
12	R01539 050	* Nut, 3/8" - 16	6
13	R01254 00A	* Flat washer	6
14	116573 00A	* Spider Reinforcement Assembly	1

M. 2137 LEVERS



REF	PART NUMBER	DESCRIPTION	QTY.
1	080285 00A	Hook Support (N.S.)	4
2	080280 00A	Short Hook Assembly	2
3	C080258 00A	Long Lever	1
4	080282 00A	Center Loop Assembly	1
5	B080267 00A	Nose Iron (N.S.)	1
6	R03009 00A	Bolt, 1/4" - 20 x 1 1/4" (N.S.)	1
7	R02813 00A	Nut 1/4" - 20 (N.S.)	2
8	080284 00A	Nose Iron Hook (N.S.)	1
9	080278 00A	Long Hook Assembly	2
10	116391 00A	Short Lever	1

N. RECOMMENDED SPARE PARTS

It is recommended that these spare parts be kept in stock in order to keep downtime to a minimum. The items are available through your local Authorized Toledo Scale Representative.

DESCRIPTION	PART NUMBER	QTY.
Keyboard Assembly	127892 00A	1
Main PCB	*127875 00A	1
Fuse (.5A Slo-Blo)	112145 00A	5
*PCB may have revision level.		

INTERCONNECTING CABLES

PRINTER	LENGTH	PART NO.	FACTORY NO.
307	6'	A119714 00A	0900-0191-0000
	20'	A119715 00A	0900-0199-0000
8804*	6'	A115544 00A	0900-0136-0000
8806		A115545 00A	0900-0137-0000
8860*	20'	A115545 00A	0900-0137-0000
8840	6'	128220 00A	0900-0214-0000
8855	6'	B119722 00A	0900-0197-0000
	20'	B119723 00A	0900-0198-0000

MATING CONNECTORS

CONNECTOR	DESCRIPTION	MATING PART NUMBERS	FACTORY NUMBER
Load Cell	Male Plug and Clamp KOP	125819 00A	0917-0117
Serial I/O	Male Plug	107187 00A	-----
	Cable Clamp	125389 00A	
	Contact Pins	107189 00A	
	Grommet	125842 00A	

ACCESSORIES

Model 2037

DESCRIPTION	PART NUMBER	FACTORY NUMBER
RFI Kit of Parts	125347 00A	0917-0110
Stand with Wheels	A116396 00A	0924-0021
Stainless Steel Platter	118996 00A	0906-0109
Laundry Pan 10" sides - 5" front	116526 00A	0906-0086
Laundry Pan 9" sides - 1" front	116561 00A	0906-0087

Model 2137

DESCRIPTION	PART NUMBER	FACTORY NUMBER
RFI Kit of Parts	125347 00A	0917-0110
Aluminum Pan 9" sides - 3" front	116523 00A	0906-0088