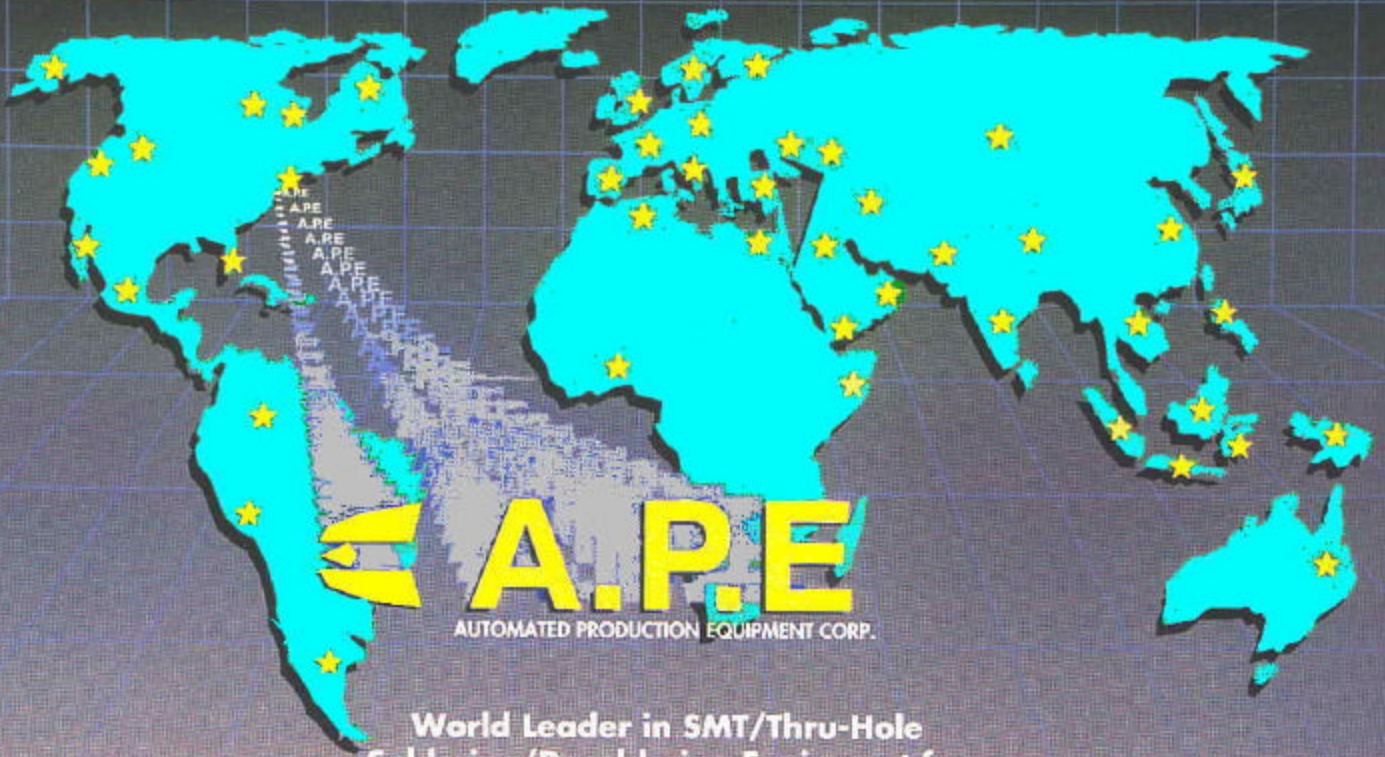


Product Catalog



A.P.E.
AUTOMATED PRODUCTION EQUIPMENT CORP.

World Leader in SMT/Thru-Hole
Soldering/Desoldering Equipment for
Electronic Assemblies

Approved by the U.S. Military and NATO

PACE®/ A.P.E.

Spare Parts
Cross Reference
Guides



*“We earn our reputation one
tip at a time”*

Company Policy and Trade Practices

PRODUCTION DATA:

All data regarding strengths, proper working loads and service recommendations pertaining to goods in this catalog are printed solely for the convenience of the customer. Every effort has been made to insure accuracy of data. However, we assume no responsibility for this data unless a specific guarantee in writing is given at the time sale is made.

PRICES:

All prices are Net Industrial Prices. For larger quantities for any item please contact our Sales Department for a quotation. All prices subject to change without notice. All specifications are subject to change without notice.

FREIGHT POLICY:

All orders are shipped F.O.B. Medford, N.Y., U.S.A. We utilize all major freight companies including UPS, Federal Express, Emery and any common carrier. We will strive to accommodate any shipping request you may have, If not specified, we will ship your order the most economical way.

Magnuson-Moss Warranty Act:

Any manufacturer claiming that the failure to use their replacement part will void a warranty, must provide those replacement parts FREE OF CHARGE or be in violation of the law

EXPORT:

Our export department will supply a Pro-Forma invoice for your needs upon request.

DAMAGE CLAIMS:

All shipments are carefully packed and inspected at our warehouse prior to shipping, and every effort is made to insure their safe arrival at your destination. Damages must be reported to the carrier immediately to insure that you receive proper compensation. A.P.E. Corp. is not responsible for damage incurred in transit, however, our Customer Service Department will assist you in any way possible to insure your satisfaction regarding any damaged merchandise you purchased from us. All claims for misshipments and/or shortages must be made within 10 days of shipping date.

RESPONSIBILITIES FOR MERCHANDISE & WARRANTIES:

It is our policy to sell only high quality merchandise and to warrant all such merchandise for six (6) months from purchase date except as otherwise stated,

Diaphragm Pump	Two (2) years
Heater Assembly (Except 60 Watt)	Ninety (90) days
Heater Assembly (60 Watt)	Ten (10) days

There is no warranty on tips, filters, glass-tube, etc. Purchaser shall be responsible for, all transportation and insurance cost to and from A.P.E. Corp.'s factory in Medford, New York, U.S.A. Purchaser shall provide proof of purchase date to A.P.E. Corp. to obtain warranty repair. A.P.E. Corp. however, makes no warranty, expressed or implied as to the merchantability of the goods, described in this catalog and/or otherwise sold by A.P.E. Corp; or that such, goods are fit for any particular purpose Neither does. A.P.E. Corp. make any warranty or representation that the goods. Described in this catalog and/or sold by A.P.E. Corp. comply with the U.S. Occupational Safety and Health Act, The Consumer Products Safety Act, and the rules and regulations issued thereunder, as they now exist or may exist in the future. It is the sole responsibility of the purchaser to determine whether the merchandise complies with those requirements based upon the intended use of the goods. Any description illustration, drawing or other reproduction of the goods contained in this catalog is for the sole purpose of identifying and illustration them and does not constitute a warranty that the goods shall conform to the description, illustration, drawing or other reproduction, except as otherwise expressly provided, herein. A. P. E. Corp. under no circumstances shall be liable for any consequential damage, loss, or expense arising from the use of or inability to use goods-sold A.P.E. Corp., or for labor, repairs, - or other expenses incident to removing any defective merchandise or procuring and installing a replacement. The maximum liability, if any, of A.P.E. Corp. from any cause shall be limited to the original cost of any defective item of merchandise sold by A.P.E. Corp. Furthermore A.P.E. Corp. here by reserves the right to, repair, or replace any, such defective merchandise solely at it's option. This written warranty supersedes any and all-verbal or implied warranties and may not be altered or amended without the express written consent of A.P.E. Corp,

CANCELLATION OF ORDERS AND RETURN OF GOODS

Orders can not be cancelled nor merchandise returned without our consent. Special orders are subject-to cancellation charges (100%) and we reserve the right to make a reasonable handling charge when on order has been has been correctly filled. Goods returned because of our error will be replaced or credited without expense to the customer. Returned merchandise subject to 50% restocking charge.

AUTOMATED PRODUCTION EQUIPMENT CORP.

142 Peconic Avenue, Medford; New York 11763
Tell. 631-654-1197 Fax: 631-289-4735

The logo for Automated Production Equipment Corp. features a stylized 'A' on the left, followed by the letters 'A.P.E.' in a large, bold, sans-serif font. The 'A' is composed of several horizontal bars of varying lengths, creating a sense of motion or a gear-like structure.

AUTOMATED PRODUCTION EQUIPMENT CORP.

**Standard
Desoldering
Tips**

Fits EX- 1 000, EX- 1 500
Solder Extractors
(Package of 25)



2" Long Tips

Fits EX- 1 700 Solder
Extractor and MBT
Heater Assembly
(Package of 5)



**Angle
Desoldering
Tips**

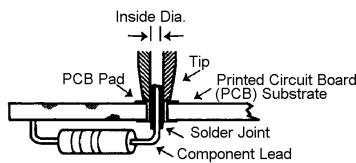
Fits all A.P.E. Solder
Extractors
(Package of 5)



**Designed for Maximum Heat
Conductivity and Optimum
Operating Life.**

INSIDE DIAMETER

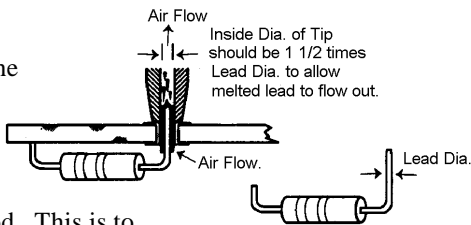
The tip should be large enough to fit over the lead to be desoldered. A slight clearance is necessary



to allow the solder to flow through the tip. Although several tip diameters will work, ideally a tip inside diameter of 1 1/2 the lead diameter is best.

OUTSIDE DIAMETER-The

O.D. of the tip should be less than the diameter of the circuit board pad. This is to avoid burning or marking the board material. The tip wall thickness provides the path of heat into the solder joint. Thicker walls are preferable for large solder joints and bigger heat sinks to conduct the heat to the solder joint as quick as possible.



**Replacement Tips For Solder Extractor
CPY Series Long Life Tips**

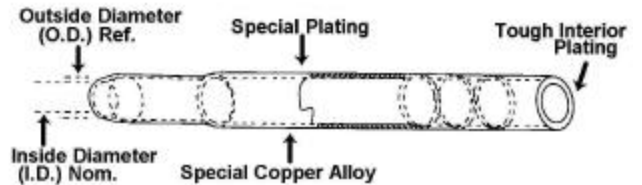
Replacement Part Numbers For Tips

I.D. Nominal		O.D. Reference		PACE Number	A.P.E. Number
In.	mm	In.	mm		
.025	0.63	.060	1.52	1121-0214	1212-0225
.036	0.91	.072	1.83	1121-0215	1212-0440
.050	1.27	.085	2.16	1121-0216	1212-0550
.060	1.55	.104	2.64	1121-0217	1212-0660

I.D. Nominal		O.D. Reference		PACE Number	A.P.E. Number
In.	mm	In.	mm		
.025	0.63	.060	1.52	1121-0253	1212-2025
.036	0.91	.072	1.83	1121-6254	1212-2040
.060	1.27	.085	2.16	1121-0255	1212-2060

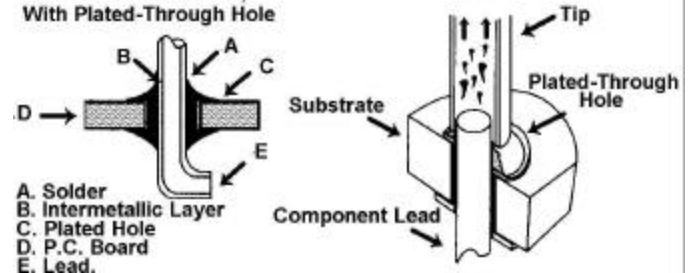
I.D. Nominal		O. D. Reference		PACE Number	A.P.E. Number
In.	mm	In.	mm		
.025	0.63	.060	1.52	1121-0261	1212-2125
.036	0.91	.072	1.83	1121-0262	1212-2136
.060	1.27	.085	2.16	1121-0267	1212-2160

Desoldering Tip Selection

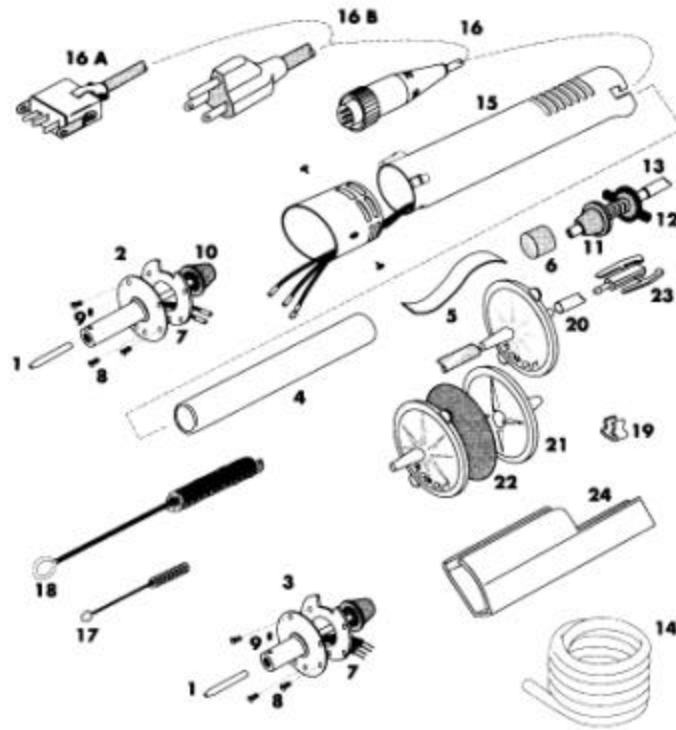


Measurement of Replacement Tips

**Typical Cross Section of
Printed Circuit Board,
With Plated-Through Hole**



A.P.E. Desoldering Tips are manufactured to outlast any competitive tip on the market today. Three years of research, development and specialized tooling allow us to introduce this tip with plated high conductivity copper with corrosive-resistant inner lining for longer life and instant heat recovery.



Item No.	Item Description	PACE® Part No.	A.P.E. Part No.
2	Heater & Seal Assembly (24VAC) 60 Watt Heater & Seal Assy. (24VAC)	6010-0035 601&0067	6700-0024 6700-6024
	Heater & Seal Assy. (110 VAC)	6010-0034	6700-0045
	60 Watt Heater & Seal Assy. (110 VAC)	6010-0015	6700-0060
	Heater & Seal Assy. (sensor)	6010-0061	6700-1780
3	Heater & Seal Assy. (24VAC: Micro) 60 Watt Heater & Seal Assy. (24VAC: Micro)	6010-0055 6010-0048	6700-0055 6700-6055
4	Glass Tube - Mini	1265-0009	6700-3210
4	Glass Tube	1265-0003	6700-3200
5	"S" Baffle	4010-0033	6700-4100
6	Extractor Glass Tube Filter (Package of 25)	1309-0018	6700-0100-P25
6	Extractor Glass Tube Filter (Package of 50)	1309-0018	6700-0100-P50
7	Heater Insulator	1213-0030	6700-3813-P2
8	Heater Retaining Screws	1405-0395	6700-7017-P3
9	Set Screws	1348-0285	6700-7700-P10
10	Seal Forward	1213-0033	6700-1213
	Seal Rear	1213-0001	6700-7200
14	Tubing, 6 foot length	1325-0003	7000-8790
14	Tubing, 12 foot length	1325-0002	7000-8701
16A	Line Cord Assy. (24VAC – Cinch)	1332-0032	670&4024
16B	Line Cord Assy. 11 20VAC)	1332.0009	6700-4000
17	Wire Brush	1127-0006	6700-0112-P5
18	Bristle Brush	1127-0002	6700-0010-P5
19	Hose Clamps, Tubing	1211-0002	6700-2002-P6
20	Visi Filter®, Fixed	1309-0020	3000-5002
21	Visi Filter®, Replaceable	1309-0028	3000-5003
22	Visi Filter®, Replaceable Elements (Package of 10)	1309-0027	3000-5001-P10
22	Visi Filter®, Replaceable Elements (Package of 25)	1309-0027	3000-5001-P25
24	Handpiece Insulator	1346-0042	6700-0286

Phone #: (631) 654-1197
 Fax #: (631) 289-4735
 Toll Free #: 1-888-DSOLDER

**Track Repair
Frames:**

MASTER FRAME
A.P.E. # **7293-3522**

FRAME A-Y
Pace*# 1200-0070
A.P.E. # **7103-2936**
A. B. C.
Etc, frames ordered individually
from A-Y Frame.

(Each frame contains only the
letter selected from A-Y frame)
Pace@ # 1200-0011(A)
A. P. E. # **7114-0934(A)**

DONUT FRAME PADS
A.P.E. # **1343-0010**

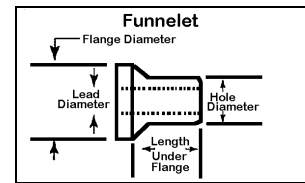
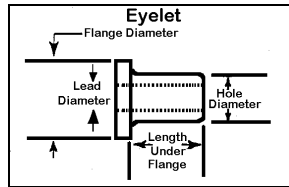
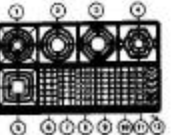
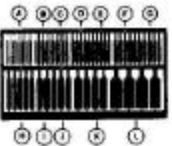
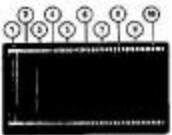
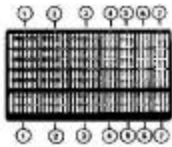
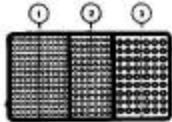
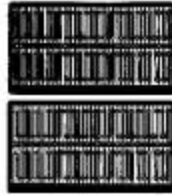
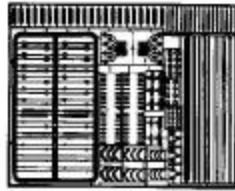
D.I.P. FRAME
Pace@# 1200-0072
A.P.E. # **7103-0120**

STRAIGHT CONDUCTOR
FRAME
Pace@ # 1200-0074
A.P.E. # **7113-2634**

EDGE CONNECTOR FRAME
Pace@ # 1200-0071
A.P.E. # **1382-0056**

DELUXE VARIETY
FRAME
Pace@ # 1200-0073
A.P.E. # **7113-0632**

I.C. FLAT PACK
A.P.E. # **3028-0119**



PACE® Part No.	A.P.E. Part No.
1347-0039	2000-0003
1347-0036	2000-0010
1347-0014	2000-0014
1347-0006	2000-0018
1347-0001	2000-0025
1347-0009	2000-0038
1347-0002	2000-0046
1347-0010	2000-0048
1347-0051	2000-0055
1347-0012	2000-0058
1347-0027	2000-0098
1347-0017	2000-0203
1347-0024	2000-0205
1347-0026	2000-0206
1347-0022	2000-0207
1347-0020	2000-0208
1347-0030	2000-0210
1347-0029	2000-0222
1347-0028	2000-0225
1347-0007	2000-0230
1347-0019	2000-0235
1347-0018	2000-0240
1347-0013	2000-0858
1347-0016	2000-0865
1347-0053	2000-1084
1347-0050	2000-1088
1347-0055	2000-1815
1347-0056	2000-1925

Other Sizes & Styles Available

Standard Track Repair Kit



Originally designed for Air National Guard, for on the spot circuit repairs. Requires only a soldering iron for complete circuit repair. Ideal for use in field service operations or intermediate military repair operations. Used by intermediate maintenance facilities, vans and surface vessels.

Complete A.P.E. No. 2570-0025

Includes:

- | | | |
|----|---------------------------------|-----------|
| 1. | Three Master frames | 7293-3522 |
| 2. | Six Boxes Funnelet/Eyelet Kits* | 2000-0000 |
| 3. | One Setting Tool Set | 2570-0111 |
| 4. | Track Tool Set | 2590-1524 |
| 5. | Consumable Replacement Kit* | 2580-1394 |
| 6. | One Manual | 2570-2570 |

*For kit contents see APE spare parts book.

Deluxe Standard Track Repair Kit



For small manufacturing operations with a wide variety of elite repair equipment, trained repair technicians and complete repair and rework systems.

Complete

Includes:

- All parts in Standard Track Repair Kit except Master Frames replaced with Combat Frame Kit #7293-2310
 For kit contents see APE spare parts book.

A.P.E. No. 2570-0500

Basic Track Repair Kit



Complete Pace No. 6993-0037
Complete A.P.E. No. 2570-0010

Includes:

- | | | |
|----|--------------------------------|-----------|
| 1. | One Setting Tool | 2570-0111 |
| 2. | Six Boxes Funnelet/Eyelet Kit* | 2000-0000 |
| 3. | Two Master Frames | 7293-3522 |
| 4. | Manual | 2570-2570 |

For kit content see APE Spare Parts Book

Service Technicians Track Repair Kit



Complete Pace No. 6993-0077
Complete A.P.E. No. 2570-0021

Kit designed to meet or exceed original trace, pad and plated thru-hole assemblies includes:

- | | | |
|----|-----------------------------------|-----------|
| 1. | One Setting Tool | 2570-0111 |
| 2. | Six Boxes Funnelet/Eyelet Kit* | 2000-0000 |
| 3. | 1 A-Y Selector Frames | 7103-2936 |
| 4. | One Straight Track Selector Frame | 7113-2634 |
| 5. | Manual | 2570-2570 |
| 6. | Abrasive Stick | 5000-0117 |
| 7. | Dip Frame | 7103-0120 |
| 8. | Variety Frame | 7113-0632 |

For kit content see APE Spare Parts Book

Master Track Repair Kit















Complete Pace No. 6993-0082
Complete A.P.E. No. 2570-4000

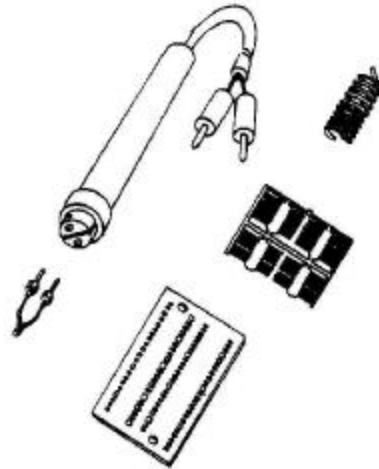
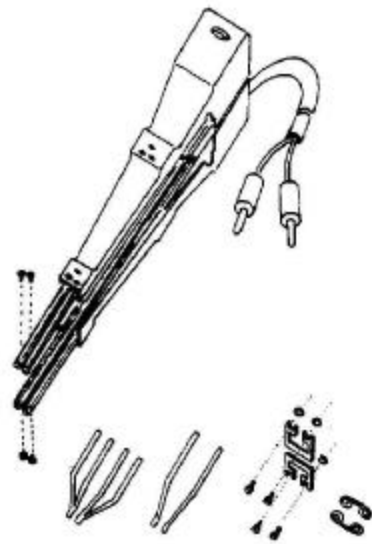
For facilities which have a designated repair center with all commonly used hand tools and complete rework center at one location.

Includes

- | | | |
|----|-----------------------------|-----------|
| 1. | Master Eyelet/Funnelet Kit* | 2000-0002 |
| 2. | Abrasive Stick | 5000-0117 |
| 3. | Master Frame Kit* | 7293-2850 |
| 4. | One Setting Tool Set | 2570-0111 |
| 5. | Manual | 2570-2570 |
| 6. | Bonding Kit | 5301-0118 |
| 7. | Edge Connector Clamp | 2570-0040 |

For kit content see APE Spare Parts Book

Item Description	Image	PACE® Part No.	A.P.E. Part No.	
Abrasive 5/8" Tapered Brown		1129-0004	1111-0061	
Abrasive -5/8" Tapered Green		1129-0003	1111-0062	
Abrasive Wheel 7/8" Green Coarse		1129-0002	1111-0064	
Abrasive Wheel 7/8" Brown Fine		1129-0001	1111-0063	
Abrasive Bullet, Brown Fine		1129-0007	1111-0072	
Abrasive Bu let, Green Coarse		1129-0008	1111-0073	
Abrasive, White, Mtd,		1129-0011	1111-0065	
Abrasive, Pink, Mtd.		1129-0012	1111-0066	
Abrasive, White, Mtd		11290009	1111-0067	
Abrasive, Pink, Mtd,		1129-0010	1111-0068	
Abrasive Wheel, White, Urmtd.		1129-0005	1111-0069	
Abrasive Wheel, Pink, Unmtd..		1129-0006	1111-0070	
Ball Mill 1/64"		1112-0001	1111-0006	
Ball Mill 1/32"		1112-0002	1111-0007	
Ball Mill 3/64"		1112-0003	1111-0008	
Ball Mill 1/16"		1112-0004	1111-0009	
Ball Mill 3/32"		1112-0005	1111-0010	
Ball Mill 1/8"		1112-0006	1111-0011	
Ball Mill 5/32"		1112-0007	1111-0012	
Ball Mill 3/16"		1112-0008	1111-0013	
Ball Mill 1/4 "		1112-0009	1111-0014	
Drill 1/32"			11120031	1111-0001
Drill 3/64"			1112-0032	1111-0002
Drill 1/16"	1112-0033		1111-0003	
Drill 5/64"	1112-0034		1111-0004	
Drill 3/32"	1112-0035		1111-0005	
Saws 3/32"		11120061	1111 0074	
Saws 3/4"		1112-0062	1111-0075	
Mandrel, Threaded		1115 0002	1111-0076	
Mandrel, Threaded Screw		1115-0001	1111-0390	
Brush, Bristle, Mid,		1127-0007	1111-0017	
Brush, 3/4" Wheel		1127-0010	1111-0016	
				




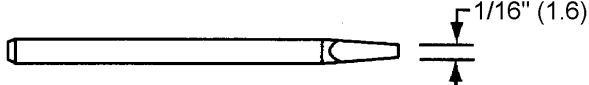
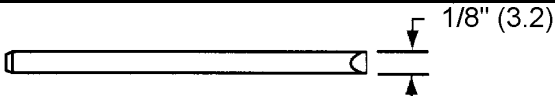

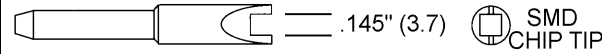
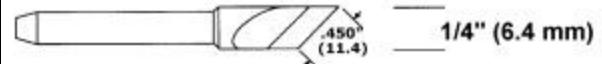
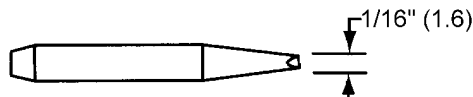
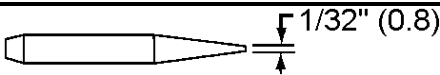
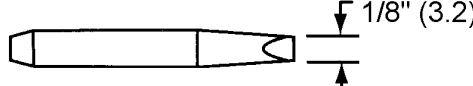
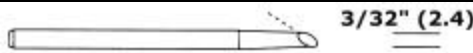
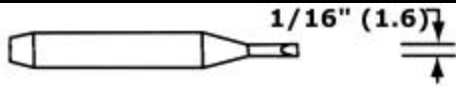
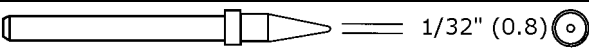

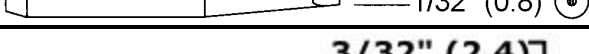
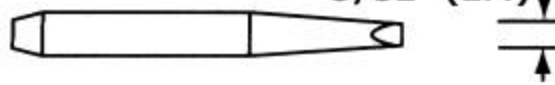
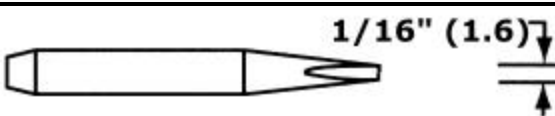
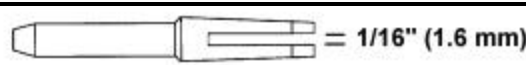
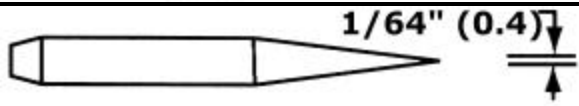
Item No.	Item Description	PACE Part No.	A.P.E. Part No.
A	Therm Tool Kit Complete		2700-0001
	1. Heat Tweezer Assembly	7009-0006	2600-0320
	2. Thermal Handpiece	7022-0004	2900-0332
	3. Circuit Board	1200-0044	3028-0162
	4. Flux Battle (Empty)	Not included in Pace, kit	6911-8899
	5 IC Kit	Not included in Pace, kit	3028-0119
	6 Solder	1243-0001	3028-0168
	7. Stripper Blades (Optional)	1121-0248	2400-0300
	B. Conductive Tips	1121-0004	2300-0200
	9. Resistive Tips	1121-0006	2200-0100
	10. Reflow Tip	6000-0008	2800-0001
	11. SMD Tip Kit (Optional)	6993-0125	6000-1212
B	Therm Tool Accessories		
	Thermal Parting Kit	7013-0004	2900-0132
	Thermal Handpiece	7022-0004	2900-0332
	Tips, Flat "V" Blade	6000-0009	2900-0001
	Tips, 90° Bend "V" Blade	6000-0020	2900-0690
	Reflow Soldering Kit	7022-0003	2800-0130
	Thermal Handpiece	7022-0004	2900-0332
	Tips, Reflow	1121-0239	2800-0001
	Circuit Board	1200-0044	3028-0162
	IC Kit	Not included in Pace, kit	3028-0119
	Solder	1243-0001	3028-0168
	Flux Bottle (Empty)	Not included in Pace, kit	6911-8899
C	Reflow Soldering Spares Kit (w/o Handpiece)		2800-0400
	1. Circuit Board	1200-0044	3028-0162
	2. IC Kit	Not included in Pace, kit	3028-0119
	3 Flux Bottle (Empty)	Not included in Pace, kit	6911-8899
	4 Solder	1243-0001	3028-0168

Plating Solutions

Item Description	Pace® Part No.	A.P.E. Part No.
Electroclean 1 oz.	6003-0011	6911-1321
Nickel 1 oz.	6003-0012	6911-1330
Copper-Alkaline 1 oz.	6003-0013	6911-1326
Gold 1 oz.	6003-0014	6911-1336
Lead 1 oz.	6003-0020	6911-1328
Tin-Alkaline 1 oz.	6003-0021	6911-1334
Copper-High Speed 1 oz.	6003-0022	6911-1324
Silver 1 oz.	6003-0005	6911-1338

*** Call Directly For Various Additional Sizes**

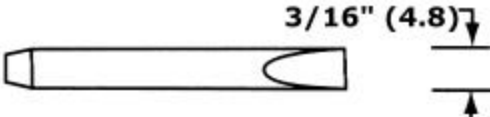
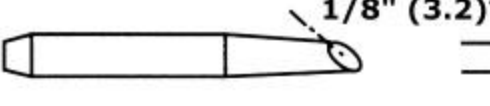

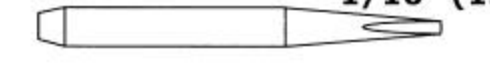
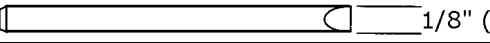


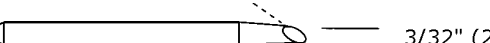



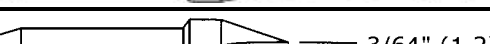
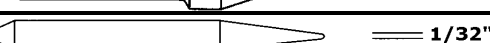
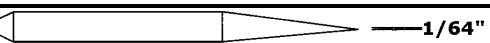
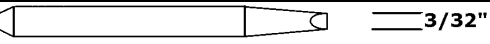
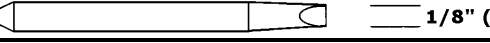


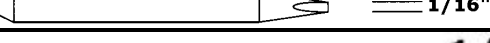

Pace to A. P. E. Solder Iron Tips Cross Reference Guide

Tip size	Pace Part Number	A P E Part Number
	1121-0132Δ	1212-0001
	1121-0131Δ	1212-0016
	1121-0130Δ	1212-0125
	1121-0302*	1212-0302
	1121-0303*	1212-0303
	1121-0305*	1212-0305
	1121-0335*	1212-0335
	1121-0336*	1212-0336
	1121-0337*	1212-0337
	1121-0238Δ	1212-0338
	1121-0349*	1212-0339
	1121-0340Δ	1212-0340
	1121-0339Δ	1212-0349
	1121-0359*	1212-0359
	1121-0360*	1212-0441
	1121-0414*	1212-0442
	1121-0304*	1212-0443
	1121-0357*	1212-0445

* THESE TIPS FITS PACE IRONS ONLY (3/16 SHANK) AND DOES NOT FIT INTO APE IRONS

Δ THESE TIPS FITS INTO IRONS WITH 1/8" SHANKS

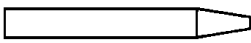

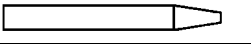

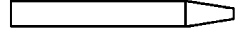

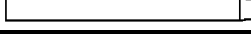

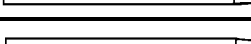

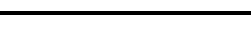

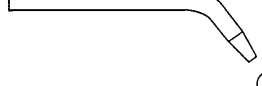

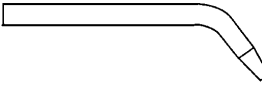

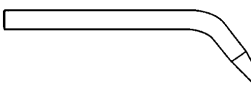

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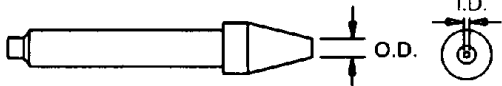
Tip Size	PACE Part Number	A.P.E. Part Number
	1121-0358*	1212-0446
	1121-0406*	1212-0447
	1121-0490*	1212-0448
	1121-0499*	1212-0449
	1121-0501△	1212-0501
	1121-0502△	1212-0502
	1121-0503△	1212-0503
	1121-0504△	1212-0504
	1121-0510*	1212-0510
	1121-0516*	1212-0516
	1121-0518*	1212-0518
	1121-0524*	1212-0524
	1121-0527*	1212-0527
	1121-0528*	1212-0528
	1121-0529*	1212-0529
	1121-0530*	1212-0530
	1121-0531*	1212-0531
	1121-0532*	1212-0532
	1121-0533*	1212-0533
	1360-0083	1212-1360

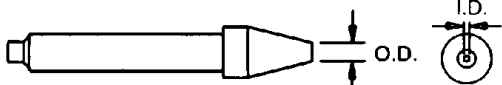
* THESE TIPS FITS PACE IRONS ONLY (3/16 SHANK) AND DOES NOT FIT INTO APE IRONS

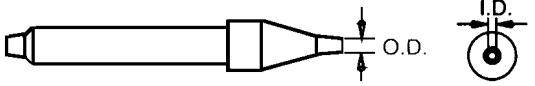
△ THESE TIPS FITS INTO IRONS WITH 1/8" SHANKS

PACE TO APE DESOLDER TIPS CROSS REFERENCE GUIDE

Tip Size	Pace Part Number	APE Part Number
  = 0.090" (2.3)	1121-0091	1212-0090
  = 0.025" (0.6)	1121-0480	1212-0225
  = 0.040" (1.0)	1121-0479	1212-0440
  = 0.025" (0.6 mm)	1121-0253	1212-2025
  = 0.040" (1.0 mm)	1121-0486	1212-2040
  = 0.060" (1.5 mm)	1121-0255	1212-2060
  Hole Diameter = 0.030" (0.8 mm)	1121-0261	1212-2125
  Hole Diameter = 0.040" (1.0 mm)	1121-0262	1212-2136
  Hole Diameter = 0.060" (1.5 mm)	1121-0267	1212-2160

SX-70 THERMO-DRIVE DESOLDERING TIPS (3/16" Shank Diameter)	Outside Diameter	Inside Diameter	PACE Part Number	A.P.E. Part Number
		0.060" (1.52 mm)	0.030" (0.76 mm)	1121-0367-P5*
	0.070" (1.78 mm)	0.040" (1.02 mm)	1121-0342-P5*	1212-0342-P5
	0.100" (2.54 mm)	0.060" (1.52 mm)	1121-0368-P5*	1212-0368-P5
	0.190" (4.8 mm)	0.090" (2.29 mm)	1121-0507-P5*	1212-0507-P5

SX-70 THERMO-DRIVE DESOLDERING TIPS (3/16" Shank Diameter)	Outside Diameter	Inside Diameter	PACE Part Number	A.P.E. Part Number
		0.065" (1.65 mm)	.030" (0.76 mm)	1121-0462-P5*
	0.085" (2.16 mm)	.040" (1.02 mm)	1121-0463-P5*	1212-0463-P5
	0.115" (2.92 mm)	.060" (1.52 mm)	1121-0464-P5*	1212-0464-P5

SX-70 EXTENDED REACH THERMO-DRIVE DESOLDERING TIPS (3/16" Shank Diameter)	Outside Diameter	Inside Diameter	PACE Part Number	A.P.E. Part Number
		0.075" (1.91mm)	0.030" (0.76mm)	1121-0505-P5*
	0.085" (2.16mm)	0.040" (1.02mm)	1121-0494-P5*	1212-0494-P5
	0.106" (2.69mm)	0.060" (1.52mm)	1121-0506-P5*	1212-0506-P5

*THESE TIPS FITS PACE IRONS ONLY (3/16 SHANK) AND DOES NOT FIT INTO A.P.E. IRONS.

**Bench-Top Soldering
& Desoldering Systems**

**SELF-CONTAINED PRODUCTION
MODELS**

Pace® Model SX-301 - A.P.E. Model EX-500
8007-0121 0500-0002



Pace®, Model MBT-200 - A.P.E. Model EX-501
8007-0094 0501-0002



DESOLDERING SYSTEM

Pace®, Model MBT-100 - A.P.E. Model EX-525
8007-0093 0525-0002



**“The solution for any demanding
thru-hole application”**

(DOD-STD-2000-1 B, WS -6536E, MIL-S-45743E Compliance)

DESIGN FEATURES:

- ? Zero voltage switching and localized grounding for CMOS safety on sensitive boards and components. Leakage is less than 2mV.
- ? Low voltage heating elements and accessories for operators safety.
- ? Microprocessor temperature control regulation of both soldering iron and EX- 1 500 desoldering handpiece.
Temperature stability to $\pm 10^{\circ}$ F (6° C) of the set point
Controlled temperature range desoldering tool 100° - 900° F (38° -487° C).
Iron 100° - 840° F (38° -444° C).
- ? Model EX-500 utilizes a rotary vane pump for multi-layer boards that develops 24-26" Hg at 1.2 cfm with a five (5) year factory warranty.
- ? Self-contained pumps produces the highest vacuum, air flow and vacuum rise time.
- ? Models EX -501 and EX -525 utilize a diaphragm pump that develops 18-22" Hg at .33 cfm with a two (2) year factory warranty Available with integral finger-tip activation or foot pedal operation for precise operator control of the desoldering process. All systems are designed to meet or exceed electrical construction requirements of UL,CSA,GS and other international codes for high production use.

SPECIFICATIONS:

Model: EX-500
115 VAC, 50/60 Hz
70 Watts
Part No. 0500-0002
220/240 VAC, 50 Hz
70 Watts
Part No. 0500-2002
9.75'L x 8.5V x 6.75'H
(24.75cmL x 21.59 cmW x 17.14cmH)
Weight: 8 lbs. (3.62 Kg.)

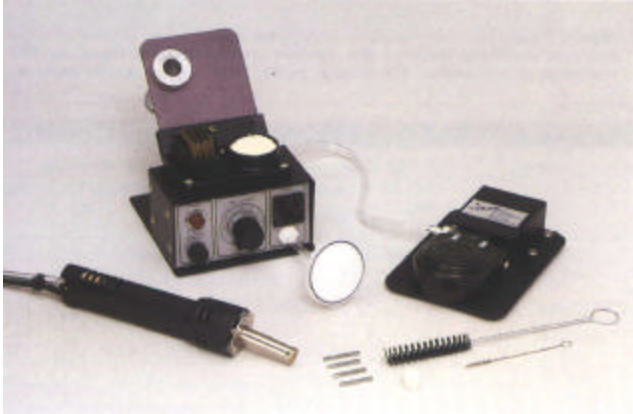
Model: EX-501
115 VAC, 50/60 Hz
70 Watts
Part No. 0501-0002
220/240 VAC, 50 Hz
70 Wafts
Part No. 0501-2002
6.75'L x 7.38W x 5.25'H
(17-14cmL x 18.73 cmW x 13.33cmH)
Weight: 6.1 lbs. (3 Kg.)

Model: EX-525
115 VAC, 50/60 Hz
35 Watts
Part No. 0525-0002
220/240 VAC, 50 Hz
35 Watts
Part No. 0525-2002
7.75'L x 2.87'W x 6'H
(19.69cmL x 19.77 cmW x 15.25cmH)
Weight: 6 lbs. (3 Kg.)

NEW PRODUCT!

ECONOMY DESOLDERING SYSTEM

Pace Model SX-213A - A.P.E. Model EX-675
8007-0119 - 0675-0000



PORTABLE MULTI-FUNCTION REPAIR & REWORK STATION

Pace® Model PRC-151 - A.P.E. Model PRS
8007-0118 - 0475-0004



System Includes

- ? EX- 1500 Solder Extractor
- ? Thermal Wire Stripper
- ? Conductive Tweezer Heating
- ? Cirk Grind Drilling System
- Surface (opt.)
- ? Standard Track Repair Kit
- ? 2x Illuminated Magnifier System (opt.)
- ? Non-aerosol Spray Unit (opt.)
- ? Vacuum Cleaning/Handling System (opt.)
- ? Storage Tools & Accessories Case (opt.)
- ? MTD-Dual Holder Assembly w/Wet & Dry Cleaning
- ? Deluxe Solder Iron
- ? Resistive Tweezer Heating
- ? Reflow/Thermal Parting Tool
- ? ESD Conductive Work
- ? Conductive Wrist Strap (opt.)
- ? Consumables Spares Kit (opt.)
- ? SMD Tip Kit (opt.)

A.P.E. Introduces The Air Operated Production System

EX-675 is an economical desoldering system for high volume 'production touch-up and repair. Operates on in-house air supply filtered and regulated from 60-90 psi. The EX-675 is a pneumatically powered station which converts 60-90 p5i into high vacuum flow at 2.5 - 3.0 cfm. Continuous vacuum is achieved through a PNEU-VAC foot pedal activating a venturi system for an instant vacuum force of 25-28" Hg. Featured also is an integral temperature control panel. Meets all applicable military standards for EOS/ESD requirements.

Model: EX-675
115 VAC, 50/60 Hz
35 Watts
Part No. 0675-0000
2.75'L x 4.875W x 2.75'H
(6.98 cmL x 12.38 cmW
x 6.98 cmH)
Base Plate is 5.875'
(1.492 cm)
220/240 VAC, 50 Hz
35 Watts
Part No. 0675-2000
5.5'L x 4.875W x 2.75'H
(13.97 cmL x 12.38 cmW
x 6.98 cmH)

System Includes:

- ? EX- 1 500 Desoldering Handpiece
- ? Power Supply with one integral temperature control, and single holder assembly with wet and dry wipe cleaning station.
- ? Cleaning Brushes
- ? PNEU-VAC Foot Pedal
- ? Sampler Tip Kit

Portable Multi-function Repair and Rework Station

The PRS-475 is a multi-function repair /rework station which enables the user to effect repairs of modifications to existing multi-layer and flexible PCB assemblies. Model PRS-475 supplies the operator with the necessary tools and accessories to meet individual work requirements.

The integral foot switch activates a full range of standard and optional accessories that permits the operator to concentrate on the work requirements in hand. Featured is the EX-1500 Desoldering handpiece which is proportionally balanced and is efficient for continuous vacuum Desoldering with hot air jet capability. Included with the PRS Center is an independent variable speed, high torque drill, a pulse-heat tweezer for conductive, resistive, wire stripping applications and a localized reflow soldering tool.

Low voltage ergonomically placed controls are on the front console for safe operation and accurate settings of self-contained vacuum, air flow, temperature and speed regulation.

The PRS-475 uses a rugged "instant rise" rotary vane pump delivering 24-26" Hg for multi-layer board rework. A.P.E. offers a full (5) five year factory warranty

Model: PRS-475
115 VAC, 50/60 Hz
Part No. 0475-0004
Output: 2 X 24VAC, 70W
1 x 24VDC, 35W
1 x 2.5VAC, 35W
Fuses: F1, F2, F3, 5 amp slow
Input: 220/240VAC, 50 Hz, 2 amp
Part No. 0475-2004
Fuse: F1, 2 amp
Length: 10.75 in / 27.3 cm
Width: 12.5 in / 31.75 cm
Height: 8.375 in 21.27 cm
Weight: 17.5 lbs. 7.94 Kg

Pace Ò	A.P.E	Description
Part No.	Part No.	
1100-0001	5000-0109	Pliers, Round Nose
1100-0002	5000-0104	Pliers, Flat Nose
1100-0003	5000-0105	Pliers, Fine-Chain
1100-0004	5000-0107	Pliers, Short-Chain
1100-0006	5000-0102	Pliers, Diagonal Cutting
1100-0041	2581-8631	Tweezer, Fine-Straight
1100-0061	2593-1919	Clamp
1100-0206	1212-0026	Tool, Tip
1102-0004	6000-8351	Solder Iron, 120V, 30 Watt
1102-0011	6910-0010	Solder Iron, 24V, 30 Watt
1112-0001-P10	1111-0006-P10	Ball-Mill, 1/64"
1112-0002-P10	1111-0007-P10	Ball-Mill, 1/32"
1112-0003-P10	1111-0008-P10	Ball Mill, 3/64"
1112-0004-P10	1111-0009-P10	Ball-Mill, 1/16"
1112-0005-P10	1111-0010-P10	Ball-Mill, 3/32"
1112-0006-P10	1111-0011-P10	Ball-Mill, 1/8"
1112-0007-P10	1111-0012-P10	Ball-Mill, 5/32"
1112-0008-P10	1111-0013-P10	Ball-Mill, 3/16"
1112-0009-P10	1111-0014-P10	Ball-Mill, 1/4"
1112-0031-P10	1111-0001-P10	Twist-Drill 1/32"
1112-0032-P10	1111-0002-P10	Twist-Drill 3/64"
1112-0033-P10	1111-0003-P10	Twist-Drill 1/16"
1112-0034-P10	1111-0004-P10	Twist-Drill 5/64"
1112-0035-P10	1111-0005-P10	Twist-Drill 3/32"
1112-0061-P10	1111-0074-P10	Saw-Circular 3/32"
1112-0062-P10	1111-0075-P10	Saw-Circular 3/4"
1115-0001-P10	1111-0390-P10	Mandrel, w/Screw
1115-0002-P10	1111-0076-P10	Mandrel, Threaded
1121-0002	6700-2002	Clamp, Hose
1121-0004-P2	2300-0200-P2	Tips, Conductive Tweezer
1121-0006-P2	2200-0100-P2	Tips, Resistive Tweezer Flat
1121-0009-P2	2200-0200-P2	Tips, Resistive Tweezer Round
1121-0021	2510-0021	Tip, Carbon Probe Soldering
1121-0022	2520-0022	Electrode, Clamp Heavy Duty
1121-0023	2530-0534	Tip, Heavy Tweezer
1121-0061	2550-0163	Tip, 40 Degree Bend Vac;-Handling
1121-0062	2550-0139	Tip, Flat Vac-Handling
1121-0091-P25	1212-0090-P25	Tip, Desolder .090" ID
1121-0115-P25	1212-0070-P25	Tip, Desolder .070" ID
1121-0130-P5	1212-0125-P5	Tip, Solder, 1/8" Shank, 1/8" Chisel
1121-0131-P5	1212-0016-P5	Tip, Solder, 1/8" Shank, 1/16" Chisel
1121-0132-P5	1212-0001-P5	Tip, Solder, 1/8" Shank, 1/32" Conical
1121-0210	6000-2355	20 Lead, SOIC Tip
1121-0213-P25	1212-0018-P25	Tip, Desolder .020" ID
1121-0214-P25	1212-0225-P25	Tip, Desolder .025" ID
1121-0215-P25	1212-0440-P25	Tip, Desolder .036" ID
1121-0216-P25	1212-0550-P25	Tip, Desolder .050" ID
1121-0217-P5	1212-0660-P25	Tip, Desolder .060" ID
1121-0238	1212-0338 PK 5	Tip Solder, 1/8" Shank, 3/32" Chisel
1121-0239	2800-0001	Tip, Reflow
1121-0248	2400-0300	Blade, Thermal Stripper
1121-0249	2200-0100	Tip, Resistance Tweezer
1121-0250	2900-0001	Tip, Thermal Parting
1121-0253-P5	1212-2025-P5	Tip, Desolder .025" ID, 2" Long
1121-0254-P5	1212-2040-P5	Tip, Desolder .036" ID, 2" Long
1121-0255-P5	1212-2060-P5	Tip, Desolder.060" ID, 2" Long
1121-0261-P5	1212-2125-P5	Tip, Desolder.025" ID, Angled
1121-0262-P5	1212-2136-P5	Tip, Desolder.036" ID, Angled
1121-0267-P5	1212-2160-P5	Tip, Desolder.060", ID, Angled

Pace 0	A.P.E	Description
Part No.	Part No.	
1121-0269	6000-2310	SOT Tip
1121-0270	6000-2355	20 Lead SOIC Tip
1121-0271	6000-2350	16 Lead, SOIC Tip
1121-0286	6000-2311	SMD Chip, Component Tip
1121-0293	6000-2360	24, 28 Lead, SOIC Tip
1121-0294	6000-2365	18 Lead PLCC Removal Tip
1121-0295	6000-2370	20 Lead PLCC Removal Tip
1121-0296	6000-2375	28 Lead PLCC Removal Tip
1121-0297	6000-2380	44 Lead PLCC Removal Tip
1121-0298	6000-2385	Multi-Point SMD Tip (.270")
1121-0299	6000-2390	Multi-Point SMD Tip (.540")
1121-0300	6000-2395	Multi-Point SMD Tip (.440")
1121-0301	6000-2320	Tapered Flat End Resistive Tip
1121-0302	1212-0302	Tip Solder, 3/32" SMD Chip Tip (Pace Only)
1121-0303	1212-0303	Tip Solder, .145 " SMD Chip Tip (Pace Only)
1121-0304	1212-0443	Tip Solder, 1/16" SMD Chip Tip (Pace Only)
1121-0305	1212-0305	Tip Solder, .40" SMD Blade Tip (Pace Only)
1121-0335	1212-0335	Tip, Solder 1/16" Chisel, (Pace Only)
1121-0336	1212-0336	Tip, Solder 1/32" Conical, (Pace Only)
1121-0337	1212-0337	Tip, Solder 1/8" Chisel, (Pace Only)
1121-0339	1212-0349 PK 5	Tip Solder, 1/8" Shank, 1/32" Pointed
1121-0340	1212-0340 PK 5	Tip Solder, 1/8" Shank, 1/32" Pointed
1121-0342-P5	1212-0342-P5	Tip, Desolder.040" ID Thermo -Drive (Pace Only)
1121-0349	1212-0339	Tip, Solder Iron 1/16" (Pace only)
1121-0357-P5	1212-0445-P5	Tip, Solder Iron 3/16"(Pace only)
1121-0358-P5	1212-0446-P5	Tip, Solder Iron 3/16" (Pace only)
1121-0359-P5	1212-0359 PK 5	Tip Solder, 1/32" CHISEL (Pace Only)
1121-0360-P5	1212-0441-PK5	Tip, Solder Iron 3/32" (Pace only)
1121-0367-P5	1212-0367-P5	Tip, Desolder.030" ID Thermo -Drive (Pace only)
1121-0368-P5	1212-0368-P5	Tip, Desolder.060" ID Thermo -Drive (Pace only)
1121-0393-P5	1212-0444-PK5	SOIC L-16 (JEDEC) (Pace only)
1121-0406-P5	1212-0447-P5	Tip, Solder Iron chisel 1/8" (Pace only)
1121-0414-P5	1212-0442-PK5	Tip, Solder Iron chisel 1/16" (Pace only)
1121-0462-P5	1212-0462 PK 5	Tip, Desolder.030" ID Thermo -Drive (Pace only)
1121-0463-P5	1212-0463 PK 5	Tip, Desolder.040" ID Thermo -Drive (Pace only)
1121-0464-P5	1212-0464 PK 5	Tip, Desolder.060" ID Thermo -Drive (Pace only)
1121-0479-P5	1212-0440 PK 25	Tip, Desolder.040", Standard
1121-0480-P5	1212-0225 PK 25	Tip, Desolder.030", Standard
1121-0486-P5	1212-2040 PK 5	Tip, Desolder.040" Long tip
1121-0490-P5	1212-0448	Tip, Solder Iron Mini Wave
1121-0494-P5	1212-0494 PK 5	Tip, Desolder.040" ID Thermo -Drive (Pace only)
1121-0499-P5	1212-0449	Tip, Solder Iron 1/16" Extended (Pace only)
1121-0501-P5	1212-0501 PK 5	Tip, Solder, 1/8" Shank, 1/8" Chisel
1121-0502-P5	1212-0502 PK 5	Tip, Solder, 1/8" Shank, 1/16" Chisel
1121-0503-P5	1212-0503 PK 5	Tip, Solder, 1/8" Shank, 1/32" Pointed
1121-0504-P5	1212-0504 PK 5	Tip, Solder, 1/8" Shank, 3/32" Chisel
1121-0505-P5	1212-0505 PK 5	Tip, Desolder .030" ID Thermo -Drive (Pace only)
1121-0506-P5	1212-0506 PK 5	Tip, Desolder .060" ID Thermo -Drive (Pace only)
1121-0507-P5	1212-0507 PK 5	Tip, Desolder .090" ID Thermo -Drive (Pace only)
1121-0510-P5	1212-0510 PK 5	Tip, Solder 1/16" Thermo -Drive Chisel (Pace only)
1121-0516-P5	1212-0516 PK 5	Tip, Solder 1/64" Thermo -Drive Pointed (Pace only)
1121-0518-P5	1212-0518 PK 5	Tip, Solder 1/8" Thermo -Drive Chisel (Pace Only)
1121-0524-P5	1212-0524 PK 5	Tip, Solder 3/64" Thermo -Drive Chisel (Pace Only)
1121-0527-P5	1212-0527 PK 5	Tip, Solder 1/32" Pointed (Pace Only)
1121-0528-P5	1212-0528 PK 5	Tip, Solder 1/64" Pointed (Pace Only)
1121-0529-P5	1212-0529 PK 5	Tip, Solder 3/32" Chisel (Pace Only)
1121-0530-P5	1212-0530 PK 5	Tip, Solder 1/8" Chisel (Pace Only)
1121-0531-P5	1212-0531 PK 5	Tip, Solder 3/16" Chisel (Pace Only)
1121-0532-P5	1212-0532 PK 5	Tip, Solder 1/8" Chisel (Pace Only)

Pace Ò**Part No.**

1121-0533-P5
 1127-0002-P5
 1127-0004-P10
 1127-0005-P10
 1127-0006-P5
 1127-0006-02-P5
 1127-0007-P10
 1127-0010-P10
 1127-0012-P5
 1129-0001-P10
 1129-0002-P10
 1129-0003-P10
 1129-0004-P10
 1129-0005-P10
 1129-0006-P10
 1129-0007-P10
 1129-0008-P10
 1129-0009-P10
 1129-0010-P10
 1129-0011-P10
 1129-0012-P10
 1129-0013-P10
 1129-0014-P10
 1158-0001
 1159-0001-P5
 1159-0002-P5
 1159-0011-P5
 1161-0008
 1165-0022
 1192-0023
 1200-0011A
 1200-0011B
 1200-0011C
 1200-0011D
 1200-0011E
 1200-0011F
 1200-0011G
 1200-0011H
 1200-0011I
 1200-0011J
 1200-0011K
 1200-0011L
 1200-0011M
 1200-0011N
 1200-0011O
 1200-0011P
 1200-0011Q
 1200-0011R
 1200-0011S
 1200-0011T
 1200-0011U
 1200-0011V
 1200-0011W
 1200-0011X
 1200-0011Y
 1200-0012
 1200-0070
 1200-0071
 1200-0072

A.P.E**Part No.**

1212-0533 PK 5
 6700-0010-P5
 2570-0050-P10
 1111-0015-P10
 6700-0112-P5
 6700-0112-02-P5
 1111-0017-P10
 1111-0016-P10
 6730-0116-P5
 1111-0063-P10
 1111-0064-P10
 1111-0062-P10
 1111-0061-P10
 1111-0069-P10
 1111-0070-P10
 1111-0072-P10
 1111-0073-P10
 1111-0067-P10
 1111-0068-P10
 1111-0065-P10
 1111-0066-P10
 5000-0116-P10
 5000-0117-P10
 4200-0963
 8000-0040
 8000-0046
 8000-0030
 8000-0020
 9000-0037
 4123-3200
 7114-0934A
 7114-0934B
 7114-0934C
 7114-0934D
 7114-0934E
 7114-0934F
 7114-0934G
 7114-0934H
 7114-0934I
 7114-0934J
 7114-0934K
 7114-0934L
 7114-0934M
 7114-0934N
 7114-0934O
 7114-0934P
 7114-0934Q
 7114-0934R
 7114-0934S
 7114-0934T
 7114-0934U
 7114-0934V
 7114-0934W
 7114-0934X
 7114-0934Y
 3028-0162
 7103-2936-P5
 1382-0056-P5
 7103-0120-P5

Description

Tip, Solder 1/16" Chisel (Pace Only)
 Brush, Bristle, Glass Tube
 Brush, Acid
 Brush, Unmounted 9/16"
 Brush, Wire, Heater Tube
 Brush, Micro Wire Heater Tube
 Brush, Bristle Mounted 3/4"
 Brush, Wheel-Unmounted
 Brush, Wire Cleaning Unit
 Abrasive, Wheel-Fine 7/8"
 Abrasive, Wheel-Coarse 7/8"
 Abrasive, 5/8" Tapered, Green
 Abrasive, 5/8" Tapered, Brown
 Abrasive, Stone-unmounted; White
 Abrasive, Stone-unmounted; Pink
 Abrasive, Bullet Fine Brown
 Abrasive, Bullet Coarse Green
 Abrasive, Stone-Wheel White Mtd
 Abrasive, Stone-Wheel Pink Mtd
 Abrasive, Stone-Conical White Mtd
 Abrasive, Stone-Conical Pink Mtd
 Abrasive, Stick Coarse Grey
 Abrasive, Stick
 Timer Mechanical (PRS-425)
 Fuse, 3 Amp, SLO -BLO
 Fuse, 5 Amp, SLO -BLO
 Fuse, 1 Amp
 Fuse Holder
 Bulb Incand Hi-Intensity 120V 25W
 Control, Voltage Variac
 Track-Pad, Frame A
 Track-Pad, Frame B
 Track-Pad, Frame C
 Track-Pad, Frame D
 Track-Pad, Frame E
 Track-Pad, Frame F
 Track-Pad, Frame G
 Track-Pad, Frame H
 Track-Pad, Frame I
 Track-Pad, Frame J
 Track-Pad, Frame K
 Track-Pad, Frame L
 Track-Pad, Frame M
 Track-Pad, Frame N
 Track-Pad, Frame O
 Track-Pad, Frame P
 Track-Pad, Frame Q
 Track-Pad, Frame R
 Track-Pad, Frame S
 Track-Pad, Frame T
 Track-Pad, Frame U
 Track-Pad, Frame V
 Track-Pad, Frame W
 Track-Pad, Frame X
 Track-Pad, Frame Y
 Board, Circuit, Training
 Track-Pad, A - Y Selector Frame
 Track-Pad, Edge Connector, Frame
 Track Pad, DIP, Frame

Pace 0	A.P.E	Description
Part No.	Part No.	
1200-0073	7103-0632-P5	Track Pad, Variety, Frame
1200-0074	7113-2634-P5	Track-Pad, Straight Run, Frame
1205-0012-P100	8000-9000-P100	Terminal, Turret
1205-0013-P100	8000-9002-P100	Terminal, Bifurcated
1205-0014-P100	8000-9001-P100	Terminal, Connector
1205-0048-P100	8000-9004-P100	Terminal Hook
1205-0062	3006-0133	Post Ground
1207-0001	4000-3442	Receptacle Polarized, 110 VAC
1207-0046	4000-8407	Receptacle, Recessed 6 Pin
1211-0002	6700-2002	Clamp, Flat Card Tube
1211-0016	3000-6066	Collet
1213-0001	6700-7200	Seal, Rear
1213-0030-P2	6700-1813-P2	Washer, Heater insulator
1213-0033	6700-1213	Front Seal MBT (SX-55)
1221-0006	6700-7305	Spring, Compression, Rear Sea!
1221-0014-P2	3000-0011-P2	Spring, Hot Cubby
1233-0004	5301-011 8	Epoxy, Two Part
1243-0001	3028-0168	Solder, Roll, #I 8
1263-0004	6700-1263	Twist Lock Fitting
1265-0003	6700-3200-P6	Chamber, Glass
1265-0009	6700-3210	Glass Chamber, Micro
1285-0003	7001-8799	Valve, Flow Control
1285-0014	4000-8444	Control, Voltage 110VAC
1285-0018	4123-3200	Control, Voltage, AC, Variac
1289-0001	6911-1341	Plater Tape
1289-0002	6911-1340	Conductive Tape
1309-0017	6700-5000	Filter Assy., Stop Clog
1309-0018-P10	6700-0100-P10	Filter, Glass Tube
1309-0018-P25	6700-0100-P25	Filter, Glass Tube
1309-0018-P50	6700-0100-P50	Filter, Glass Tube
1309-0020	3000-5002	Filter, Stop-Clog
1309-0027-P10	3000-5001-P10	Filter, Element
1309-0027-P25	3000-5001-P25	Filter, Element
1309-0027-P50	3000-5001-P50	Filter, Element
1309-0028	3000-5003	Visi Filters Replaceable
1311-0010	3000-8990	Tray
1311-0013	5301-0119	Cup, Mixing
1311-0014	3000-8990	Troy
1311-0077	7600-0075	Dispenser, Solvent
1311-0078	7600-0050	Dispenser, Flux
1321-0085	6700-2002	Clamp, Hose
1325-0003	7000-8790	Tubing 6 Ft.
1325-0007	7000-8132	Assy., Fitting & Line
1325-0012	7000-8701	Tubing, Air, Clear 1 2 Ft.
1325-0017	7000-8702	Tubing Assy. with Visi Filter"
1332-0007-P2	2520-0030-P2	Cable, Heavy Clamp & Tweezer
1332-0009	6700-4000	Assy. Cord, EX - 1000, 110VAC, NEMA
1332-0035	8000-0100	Power Cord, 220VAC
1332-0060	4000-8401	Cord, Line
1332-0094	4000-8402	Power Cord, Detachable 110VAC
1336-0019	5000-0630	Pump, Diaphragm, 220VAC
1336-0020	5000-0530	Pump, Diaphragm, 110VAC
1338-0001-P4	5000-0100-P4	Vanes, Carbon
1338-0002	5000-0003	Plate, End, Carbon
1346-0042	6700-0286	Cushion Grip
1347-0001-P100	2000-0025-P100	Funnelet
1347-0002-P100	2000-0046-P100	Funnelet
1347-0005-P100	2000-0055-P100	Funnelet
1347-0006-P100	2000-0018-P100	Funnelet

Pace 0	A.P.E	Description
Part No.	Part No.	
1347-0007-P100	2000-0230-P100	Funnelet
1347-0008-P100	2000-0058-P100	Funnelet
1347-0009-P100	2000-0038-P100	Funnelet
1347-0010-P100	2000-0048-P100	Funnelet
1347-0012-P100	2000-0058-P100	Funnelet
1347-0013-P100	2000-0858-P100	Eyelet
1347-0014-P100	2000-0014-P100	Eyelet
1347-0016-P100	2000-0865-P100	Eyelet
1347-0017-P100	2000-0203-P100	Eyelet
1347-0018-P100	2000-0240-P100	Eyelet
1347-0019-P100	2000-0235-P100	Eyelet
1347-0020-P100	2000-0208-P100	Eyelet
1347-0022-P100	2000-0207-P100	Eyelet
1347-0024-P100	2000-0205-P100	Eyelet
1347-0026-P100	2000-0206-P100	Eyelet
1347-0027-P100	2000-0098-P100	Funnelet
1347-0028-P100	2000-0225-P100	Funnelet
1347-0029-P100	2000-0222-P100	Eyelet
1347-0030-P100	2000-0210-P100	Eyelet
1347-0036-P100	2000-0010-P100	Eyelet
1347-0039-P100	2000-0003-P100	Eyelet
1347-0050-P100	2000-1088-P100	Funnelet
1447-0051-P100	2000-0055-P100	Funnelet
1347-0053-P1000	2000-1084-P1000	Funnelet
1347-0055-P100	2000-1815-P100	Eyelet Flathead
1347-0056-P1000	2000-1925-P1000	Eyelet Unscored
1348-0285-P10	6700-7700-P10	Set Screw, Heater Assy.
1348-0287-P10	0900-0287-P10	Set Screw, MBT Heater Coded 12/89; Before
1348-0547-P10	0900-0547-P10	Set Screw, MBT A Heater, Coded 1/90; Later
1360-0083	1212-1360	Adapt Tip (Pace only)
1405-0341-P5	0900-0043-P5	Nylon Screw
1405-0395-P3	6700-7017-P3	Heater Mount Screws
4003-0001	2510-0021	Tips, Carbon
4010-0028	6700-0028	Support Seal
4010-0031	4010-0031	Assy., End Cap, Pace®
4010-0033	6700-4100	Baffle "S"
4021-0001-P5	6730-0118-P5	Sponge, Cleaning Unit
6000-0001	6911-3326	Solution, Copper Alkaline 3 oz.
6000-0002	6911-3324	Solution, Copper High Speed 3 oz.
6000-0003	6911-3328	Solution, Lead 3 oz.
6000-0004	6911-3334	Solution, Tin Alkaline 3 oz.
6000-0008	2800-0001	Single Point Soldering SMD Tip (Reflow)
6000-0009	2900-0001	Removal Tip (Thermal)
6000-0020	2900-0690	Blade, 90 Degrees "v"
6000-0026	5000-8420	Foot-pedal, Electric, Double
6000-0027	5000-8410	Foot-pedal, Electric, Single
6000-0051	2570-0111	Tool, Setting, Eyelet
6000-0130	2570-0040	Clamp, Edge-Connector
6003-0005	6911-3338	Solution, Silver 3 oz.
6003-0006	6911-3336	Solution, Gold 3 oz.
6003-0008	6911-3330	Solution, Nickel 3 oz.
6003-0009	6911-3321	Solution, Electro-Clean 3 oz.
6003-0011	6911-1321	Solution, Electro-Clean 1 oz.
6003-0012	6911-1330	Solution, Nickel 1 oz.
6003-0013	6911-1326	Solution, Copper-Alkaline 1 oz.
6003-0014	6911-1336	Solution, Gold 1 oz.
6003-0020	6911-1328	Solution, Lead 1 oz.
6003-0021	6911-1334	Solution, Tin-Alkaline 1 oz.
6003-0022	6911-1324	Solution, High-Speed Copper 1 oz.

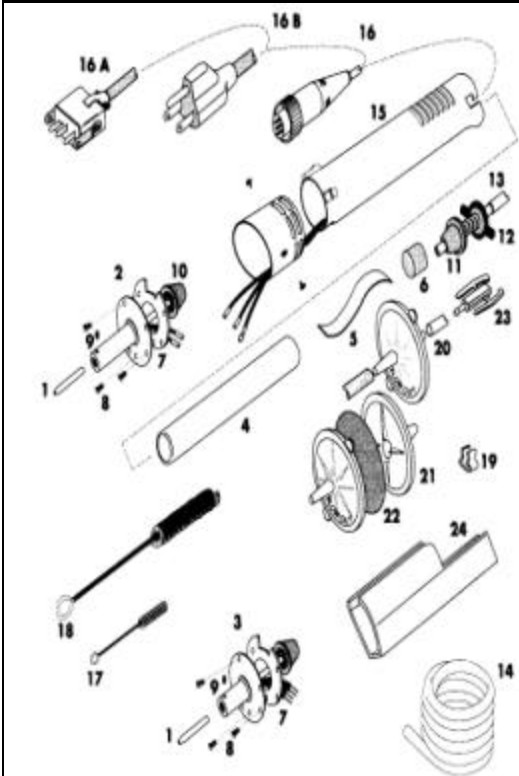
Pace Ò	A.P.E	Description
Part No.	Part No.	
6003-0026	6911-8336	Solution, Gold 1 Qt.
6003-0027	6911-8332	Solution, Nickel 1 Qt
6003-0028	6911-8321	Solution, Electronic-clean 1 Qt.
6005-0013	6000-6780	Drill Kit Assortment
6008-0015	0150-0001	APS-150 Inverter
6010-0015	6700-0060	60 Watt Heater Assy. 110v
6010-0016	6700-0024	40 Watt Heater Assy. 24v
6010-0034	6700-0045	35 Watt Heater Assy. 110v
6010-0035	6700-0024	40 Watt Heater Assy. 24v
6010-0048	6700-6055	Assy., Heater 24v, 60 Watt (Micro)
6010-0055	6700-0055	MBT Heater (Micro)
6010-0067	6700-6024	60 Watt Heater Assy. 24v
6010-0071	1005-6700	Handpiece Complete, Desolder Iron,24v DIN Plug
6010-0072	6700-0055	MBT Heater (Micro)
6011-0001	2540-0117	Assy, Spray
6014-0005	9000-0053	foot-pedal, Pneu-Vac
6016-0003	3000-0020	Lead form
6019-0011	3000-0010	Assy., Holder, w/Cleaning Unit & Stand
6019-0012	6730-3803	Cleaning Unit Assy.
6019-0016	3550-0600	Holder Assy., MTD., Single
6020-0008-01	3000-8502	Relay, Start 110VAC
6020-0008-02	7000-0115	Relay, ZVS 110v/220v Control
6021-0001	3550-0602	Holder Assy., Dual
6030-0005	3028-0119	Track Frame, I.C. Flat Pack
6030-0019	2800-0130A	Kit, Integrated Circuit
6030-0062	2800-0130C	Kit, Thermal Soldering
6030-0063	2800-0130B	Kit, Axial-lead Soldering
6030-0065	2800-0130D	Kit, Thermal Reflow Board
6030-0228	2800-0130E	Kit, Track Repair Board
6910-0039	1000-6701	Handpiece Alone, Desolder Iron 110VAC
6993-0007	5300-0100	Kit, T-300 Materials
6993-0014	6700-3000	Kit, Spacer
6993-0029	5000-0200	Kit, Tool
6993-0032	3000-0200	Kit, Special Aids
6993-0037	2570-0010	Kit, Basic Track
6993-0038	6700-4223	Kit, Tip Experimenter
6993-0077	2570-0021	Kit, Track, Service Tech,
6993-0082	2570-4000	Kit, Track Master
6993-0088	5000-5448	Soldering, Kit Tool & Aid
6993-0114	6700-0114	Handle & Line Cord Assy
6993-0125	6000-1212	SMD Tip Kit
6993-0200	6700-4225	Tip Cleaner Kit
6994-0001	5300-0117	Flux
6997-0001	5300-0112	Solvent 3 oz.
6998-0001	5300-0114	Stripper, Chemical
6999-0001	5300-0110	Coating, Chemical
6999-0003	5300-0112	Solvent, Chemical
7000-0005	7000-0005	Cord, Universal
7000-0021	4017-0017	Tip-Temp, (Pace® Sensatemp)
7002-0001	7002-0001	Probe, Environmental
7003-0001	0690-0005	SRS-069, Complete, 110VAC
7003-0002	0690-0002	Kit, Quick Plate
7003-0003	0690-0000	SRS-069, Complete, 110VAC
7003-0006	0690-2000	SRS-069, Complete, 220VAC
7004-0006	2000-0102	Eyelet, Non-Power
7004-0007	2000-0101	Eyeletting-System Complete
7008-0021	0425-0003	Repair Kit Inverter
7008-0092	0425-0000	Complete 110VAC PRS-425
7008-0130	0280-0002	Thermal Tools System 110V

Pace Ò	A.P.E	Description
Part No.	Part No.	
7008-0131	0280-2003	Thermal Tools System 220V
7009-0002	2530-0010	Tweezer,. Heavy Duty
7009-0003	2510-0010	Probe, Soldering
7009-0004	2520-0010	Clamp, Heavy Duty
7009-0005	2200-0130	Tweezer, Resistance
7009-0006	2600-0320	Heat-Tweezer Assy.
7010-0025	1000-6700	EX-1000, Complete, 110VAC
7011-0001	2540-0010	Unit Complete, Spray
7012-0001	2400-0133	Tweezer Stripper w/tips
7012-0002	2400-0132	Thermal Stripper, Handpiece
7013-0004	2900-0132	Unit, Thermal Parting
7014-0001	2550-0010	Vacuum-Handling
7014-0002	2550-0115	Tip, w/Brush, Vacuum-Handling
7015-0009	2580-0010	Unit, Circuit Board Holding
7016-0003-P1	1136-0029	Kit, Provide
7018-0007	0500-0002	EX-500 complete 110VAC
7018-0036	8101-5000-PH	SMD-5000, Removal/Replacement System
7018-0038	8101-5000-B	SMD-5000, Removal/Replacement System
7020-0001	2300-0132	Conductive-Tweezer
7022-0003	2800-0130	Kit, Reflow-Soldering
7022-0004	2900-0332	Thermal-Handpiece
8001-0006	0400-0000	PRS-400, Complete, 110VAC
8001-0007	0375-0000	PRS-375, Complete, 110VAC
8001-0021	0400-2000	PRS-400, Complete, 220VAC
8001-0023	0375-2000	PRS-375, Complete, 220VAC
8001-0042	0425-0000	PRS-425, Complete, 110VAC
8001-0043	0400-2000	PRS-400, Complete, 220VAC
8004-0001	2000-0101	Fuse Set System, Power Eyeletting/Funnelets
8006-0002	0475-0002	PRS-475G, Complete 110VAC
8006-0003	0475-2002	PRS-475G, Complete 220VAC
8006-0008	0475-0004	PRS-475, Complete 110VAC
8006-0011	0475-2004	PRS-475, Complete 220VAC
8007-0056	0500-2002	EX-500, Complete, 220VAC
8007-0073	0475-2004	PRS-475, Complete, 220VAC
8007-0092	0475-0002	PRS-475G, Complete, 110VAC
8007-0093	0525-0002	EX-525, Complete, 110VAC
8007-0094	0501-0002	EX-501, Complete, 110VAC
8007-0099	0501-2002	EX-501, Complete, 220VAC
8007-0100	0525-2002	EX-525, Complete, 220VAC
8007-0108	0550-0002	EX-550, Desoldering Station, 110VAC
8007-0109	0550-2002	EX-550, Complete, 220VAC
8007-0113	0700-0002	EX-700, Digital Desoldering, 110VAC
8007-0115	0551-0001	EX-551, Desoldering/Soldering Station, 110VAC
8007-0116	0551-2001	EX-551, Complete, 220VAC
8007-0118	0475-0004	PRS-475, Bench Top Repair System, 110VAC
8007-0119	0675-0000	EX-675, Pneu-Vac Desoldering Station, 110VAC
8007-0121	0500-0002	EX-500, Complete, 110VAC
8007-0128	0700-0002	EX-700 Digital Desoldering 110VAC
8007-0130	0750-0002	EX-750 Digital Desoldering 110VAC
8007-0132	6200-0009	SMD-2000M, Complete 110VAC
8007-0133	6200-2008	SMD-2000EMP Complete 220VAC
8007-0138	6200-0005	SMD-2000DM Complete 110VAC
8007-0139	6200-2005	SMD-2000EM Complete 220VAC
8007-0148	0200-0002	SRS-020 Cirk Grind Drill System 110V
8007-0149	0200-2002	SRS-020 Cirk Grind Drill System 220V
8007-0157	0655-0000	SMD-55 Pick & Paste System 110VAC
8007-0168	0685-0000	EX-685 Digital Soldering System
8007-0203	0700-0008	EX-700M, Complete 110V
8007-0206	0750-0007	EX-750M, Complete 110V, w/Power Down
8042-0001	0610-0000	SMD-100, Pulse Heat Reflow System, 110VAC
8042-0002	0610-2000	SMD-100, Complete, 220VAC
8042-0003	0650-0000	SMD-150, Pulse Heat Reflow System, 110VAC

Pace® Model Type	Item Description	Pace® Part Number	A.P.E. Part Number	A.P.E. Model Type
Desoldering & Soldering Systems				
MBT-250	SMT/PTH/BGA Repair Station	8007-0130	0750-0002	EX-750
MBT-220	Digital Desoldering/Soldering System	8007-0128	0700-0002	EX-700
MBT-210	Digital Desoldering/Soldering System	8007-0113	0700-0002	EX-700
MBT-200/201A	Desoldering/Soldering System	8007-0094	0501-0002	EX-501
MBT-100	Desoldering System	8007-0093	0525-0002	EX-525
MBT-10	Desoldering/Soldering Station (Air Operated)	8007-0115	0551-0001	EX-551
MBT-5	Desoldering Station (Air Operated)	8007-0108	0550-0002	EX-550
SX-301	Desoldering/Soldering System	8007-0121	0500-0002	EX-500
SX-213A	Pneu-Vac Desoldering Station	8007-0119	0675-0000	EX-675
PRC-151	Bench Top Repair System	8007-0118	0475-0004	PRS-475
PRC-351	Bench Top Rework & Repair System	8001-0042	0425-0000	PRS-425
PRC-750A	Rework, Repair & Mfg. System	8001-0006	0400-0000	PRS-400
PRC-1000A	Rework, Repair & Mfg. System	8001-0007	0375-0000	PRS-375
PRC-2000	SMT/PTH Manual BGA Repair System-Deluxe (110v)	8007-0132	6200-0009	SMD-2000M
PRC-2000	SMT/PTH Manual BGA Repair System-Deluxe (220v)	8007-0133	6200-2008	SMD-2000EMP
PRC-2000-TH	SMT/PTH Manual BGA Repair System-Basic (110v)	8007-0138	6200-0005	SMD-2000DM
PRC-2000-TH	SMT/PTH Manual BGA Repair System-Basic (220v)	8007-0139	6200-2005	SMD-2000EM
ST60-SX	Pneu-Vac Desoldering Station (110v)	8007-0171	0675-0000	EX-675
ST60-SX	Pneu-Vac Desoldering Station (220v)	8007-0172	0675-2000	EX-675
Specialty Systems				
ST40-SP	Digital Soldering System (110v)	8007-0168	0685-0000	EX-685
ST40-SP	Digital Soldering System (220v)	8007-0168	0685-2000	EX-685
MICROCHINE 100	Cirk Grind Drill Unit (110v)	8007-0148	0200-0002	SRS-020
MICROCHINE 100	Cirk Grind Drill Unit (220v)	8007-0149	0200-2002	SRS-020
PEP-220	Electro-Plating System (includes power supply)	7003-0003	0690-0000	SRS-069
PR-10	Pulse Heat Power Source	7008-0130	0280-0002	SRS-028
Pik & Paste 100	Liquid Dispensing System	8007-0157	0655-0000	SMD-55
Circuits Repair Kits				
CirKit®	Master Version	6993-0082	2570-4000	Master Track
CirKit®	Advanced Version	6993-0077	2570-0021	Service Tech Kit
CirKit®	Basic Version	6993-0037	2570-0010	Basic Track
Surface Mount Systems				
SMR-20®	Pulse Heat Reflow System	8042-0001	0610-0000	SMD-100
SMR-25®	Pulse Heat Reflow System	8042-0003	0650-0000	SMD-150

PLEASE NOTE: THE PRECEDING EQUIVALENCY CHART IS FOR REFERENCE ONLY. THE COMPARISON IS BASED SOLELY ON FUNCTION, SOURCE OF VACUUM, AND OTHER NOTED SIMILARITIES.

**APE/PACE SPARE PARTS
CROSS-REFERENCE GUIDE**



DESCRIPTION	A.P.E. PART NO.	PACE® PART NO.	DESCRIPTION
CPY Series Desoldering Tips		Super Tip	
Tip, .025' I. D.	1212-0225-P25	1121-0214-P25	.030 I.D. Tip
Tip, .040' I. D.	1212-0440-P25	1121-0215-P25	.040 I.D. Tip
rip, .050' I.D.	1212-0550-P25	1121-0216-P25	.050 I.D. Tip
Tip, .060' I. D.	1212-0660-P25	1121-0217-P25	.061 I.D. Tip
rip, .025' I. D.; 2' Long	1212-2025-P5	1121-0253-P5	.025 I.D. Tip, Micro
rip, .040' I. D.; 2' Long	1212-2040-P5	1121-0254-P5	.036 I.D. Tip, Micro
Tip, .060' I.D.; 2' Long	1212-2060-P5	1121-0255-P5	.061 I.D. Tip, Micro
Tip, .025' I.D.; Angle	1212-2125-P5	1121-0261-P5	.025 I.D. Tip, Angle
Tip, .036' I. D.; Angle	1212-2136-P5	1121-0262-P5	.036 I. D. Tip, Angle
Tip, .060' I. D.; Angle	1212-2160-P5	1121-0267-P5	.061 I.D. Tip, Angle
Heater & Seal Ass. (24 VAC)	6700-0024	6010-0035	Heater & Seal Assy.,: Dual Path 120V, 35W
Heater & Seal Ass. (120 VAC)	6700-0045	6010-0034	
Heater & Seal Ass. (Sensor)	6700-1724	6010-0061	
Heater & Seal Assy. (24VAC; Micro)	6700-0055	6010-0055	MBT® Heater & Seal Assembly, 24V, 35W
60 Watt Heater & Assy. (24 VAC; Micro)	6700-6055	6010-0048	
Glass Tube	6700-3200-PI	1265-0003-PI	Glass Chamber
Glass Tube; Micro	6700-3210-PI	1265-0009-PI	Glass Chamber, Micro
"S" Baffle	6700-4100	4010-0033	"S" Baffle
Extractor Glass Tube Filter			SODR-X-TRACTOR ® Filter
Package of 10	6700-0100-P10	1309-0018-P10	Package of 10
Package of 50	6700-0100-P50	1309-0018-P50	Package of 50
Set Screws	6700-7700-P10	1348-0285-P10	Set Screw, Pkg/10
Seal, Forward	6700-1213	1213-0033	Front Seal for PACE SX-55
Seal, Rear	6700-7200	1213-0001	Rear Seal for PACE SX-25®
Tubing, 6' Length	7000-8790	1325-0003	Tubing, 6' Length
Tubing, 12' Length	7000-8701	1325-0012	Tubing, 12' Length
Heater Assembly, Wire Brush	6700-0112-P5	1127-0006-P5	Wire Brush, Package 5
Bristle Brush	6700-0010-P5	1127-0002-P5	Bristle Brush, Package of 5
Hose Clamps, Tubing	6700-2002-P6	1211-0002-P6	Clamp, Flat Cord Tube
Stop-Clog Filter, Fixed	3000-5002-PI	1309-0020-PI	VisiFilter, Fixed
Stop-Clog Filter, Replaceable	3000-5003-PI	1309-0028-PI	VisiFitter, Replaceable
Replaceable Elements, Stop Clog			VisiFitter, Replaceable Elements
Package of 10	3000-5001-P10	1309-0027-P10	Package of 10
Package of 25	3000-5001-P25	1309-0027-P25	Package of 25
Package of 50	3000-5001-P50	1309-0027-P50	Package of 50

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