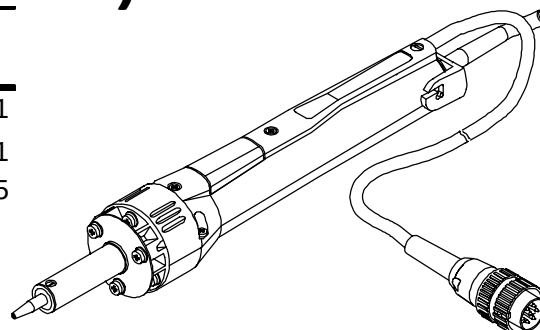


# SX-70 SODR-X-TRACTOR (SENSATEMP)

| Item Number | Item Description                         | PACE Part #  |
|-------------|------------------------------------------|--------------|
| 1           | SX-70 Sodr-X-Tractor                     | 6010-0077-P1 |
| 2           | AdapTip (Allows SX-70 to use Micro Tips) | 1360-0083-P1 |
|             | --Package of 5                           | 1360-0083-P5 |

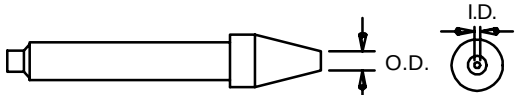
Replacement Parts

See Pg. 37

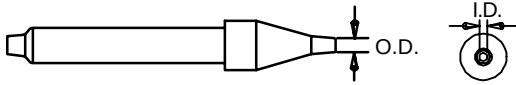


SX-70 comes standard with 1121-0342.

## TIPS FOR SX-70 HANDPIECE THERMO-DRIVE DESOLDERING TIP

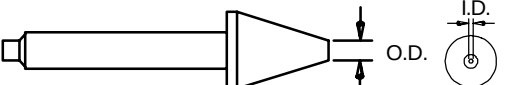
| Tip<br>(3/16" Shank Diameter)                                                     | Outside Diameter | Inside Diameter | Part Number         |
|-----------------------------------------------------------------------------------|------------------|-----------------|---------------------|
|  | 0.060" (1.52mm)  | 0.030" (0.76mm) | <b>1121-0367-P5</b> |
|                                                                                   | 0.070" (1.78mm)  | 0.040" (1.02mm) | <b>1121-0342-P5</b> |
|                                                                                   | 0.100" (2.54mm)  | 0.060" (1.52mm) | <b>1121-0368-P5</b> |
|                                                                                   | 0.190" (4.8mm)   | 0.090" (2.29mm) | <b>1121-0507-P5</b> |

## EXTENDED REACH THERMO-DRIVE DESOLDERING TIP

| Tip<br>(3/16" Shank Diameter)                                                       | Outside Diameter | Inside Diameter | Part Number         |
|-------------------------------------------------------------------------------------|------------------|-----------------|---------------------|
|  | 0.075" (1.91mm)  | 0.030" (0.76mm) | <b>1121-0505-P5</b> |
|                                                                                     | 0.085" (2.16mm)  | 0.040" (1.02mm) | <b>1121-0494-P5</b> |
|                                                                                     | 0.106" (2.69mm)  | 0.060" (1.52mm) | <b>1121-0506-P5</b> |

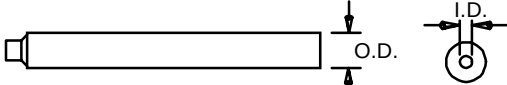
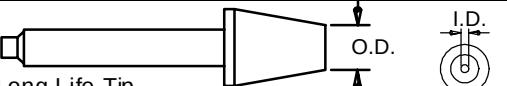
Note: Extended Reach Thermo-Drive desoldering tips have an extended nose for improved visibility and reach.

## LONG-LIFE DESOLDERING TIPS

| Tip<br>(3/16" Shank Diameter)                                                       | Outside Diameter | Inside Diameter | Part Number         |
|-------------------------------------------------------------------------------------|------------------|-----------------|---------------------|
|  | 0.075" (1.91mm)  | 0.030" (0.76mm) | <b>1121-0462-P5</b> |
|                                                                                     | 0.085" (2.16mm)  | 0.040" (1.02mm) | <b>1121-0463-P5</b> |
|                                                                                     | 0.106" (2.69mm)  | 0.060" (1.52mm) | <b>1121-0464-P5</b> |

Note: Long Life Desoldering Tips have an inner steel liner for added protection against oxidation and tip wear.

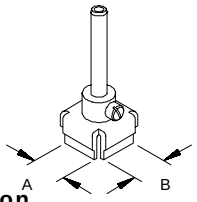
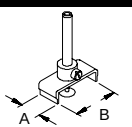
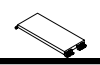
## FLO-D-SODR TIPS

| TIPS<br>(3/16" Shank Diameter)                                                                       | Outside Diameter | Inside Diameter | Part Number         |
|------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------------|
|                   | 0.188" (4.77mm)  | 0.060" (1.52mm) | <b>1121-0369-P5</b> |
| <br>Long-Life Tip | 0.196" (4.98mm)  | 0.060" (1.52mm) | <b>1121-0465-P5</b> |

Note: Flo-D-Sodr Tips are used for safe, continuous Surface Mount land cleaning.

# TIPS FOR SX-70 HANDPIECE

## SURFACE MOUNT REMOVAL PIK-TIPS

| TIPS                                                                                                                                                                                                   | DESCRIPTION | TIP SIZE<br>A X B                 | PART<br>NUMBER |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|----------------|
|  <p><b>Application</b><br/>TQFP</p>  | TQFP-28     | 0.322" x 0.322" (8.2mm x 8.2mm)   | 1121-0571-P1   |
|                                                                                                                                                                                                        | TQFP-32     | 0.344" x 0.344" (8.7mm x 8.7mm)   | 1121-0572-P1   |
|                                                                                                                                                                                                        | TQFP-52     | 0.472" x 0.472" (12.0mm x 12.0mm) | 1121-0573-P1   |
|                                                                                                                                                                                                        | TQFP-40     | 0.472" x 0.472" (12.0mm x 12.0mm) | 1121-0574-P1   |
|                                                                                                                                                                                                        | TQFP-80     | 0.520" x 0.520" (13.2mm x 13.2mm) | 1121-0575-P1   |
|                                                                                                                                                                                                        | TQFP-80/100 | 0.604" x 0.604" (15.3mm x 15.3mm) | 1121-0576-P1   |
|                                                                                                                                                                                                        | TQFP-144    | 0.85" X 0.85" (21.6mm x 21.6mm)   | 1121-0604-P1   |
|                                                                                                                                                                                                        | TQFP-112    | 0.87" x 0.87" (22.1mm x 22.1mm)   | 1121-0605-P1   |
|                                                                                                                                                                                                        | PQFP-80/100 | 0.66" x 0.90" (16.8mm x 22.9mm)   | 1121-0603-P1   |
|  <p><b>Application</b><br/>TSOP</p>  | TSOP-28     | 0.320" x 0.500" (8.1mm x 12.7mm)  | 1121-0567-P1   |
|                                                                                                                                                                                                        | TSOP-32     | 0.320" x 0.760" (8.1mm x 19.3mm)  | 1121-0566-P1   |
|                                                                                                                                                                                                        | TSOP-40     | 0.390" x 0.760" (9.9mm x 19.3mm)  | 1121-0568-P1   |
|                                                                                                                                                                                                        | TSOP-56     | 0.560" x 0.760" (14.2mm x 19.3mm) | 1121-0569-P1   |

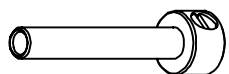
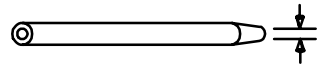
## SX-65A, SX-55A, SX-55 60Watt, and SX-40A SODR-X-TRACTORS

| Item<br>Number       | Item<br>Description                                | PAGE<br>Part # |
|----------------------|----------------------------------------------------|----------------|
| 1                    | SX-65A Sodr-X-Tractor (SensaTemp)                  | 6010-0073-P1   |
| <b>Non-SensaTemp</b> |                                                    |                |
| 2                    | SX-55A Sodr-X-Tractor (For use with MBT-200E/100E) | 6010-0071-P1   |
| 3                    | SX-55 60 Watt Sodr-X-Tractor (Heavy Duty)          | 6010-0047-P1   |
| 4                    | SX-40A Sodr-X-Tractor (For use with MP-1E only)    | 6010-0068-P1   |

Replacement Parts

See Pg. 37

## MICRO TIPS FOR SX-65A/55A/55-60W/40A HANDPIECES

| TIPS<br>(1/8" Shank Diameter)                                                                              | Inside<br>Diameter                                                          | Part Number                  |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------|
|  <p><b>ADAPTIP*</b></p> | *Allows all 1/8" shank Micro Tips to be used with the SX-70 Sodr-X-Tractor. | 1360-0083-P1<br>1360-0083-P5 |
|  <p>I.D.</p>            | 0.030" (0.76mm)                                                             | 1121-0253-P5                 |
|                                                                                                            | 0.030" (0.76mm) - Thin Wall                                                 | 1121-0485-P5                 |
|                                                                                                            | 0.040" (1.02mm)                                                             | 1121-0254-P5                 |
|                                                                                                            | 0.040" (1.02mm) - Thin Wall                                                 | 1121-0486-P5                 |
|                                                                                                            | 0.060" (1.52mm)                                                             | 1121-0255-P5                 |
|  <p>I.D.</p>            | 0.030" (0.76mm)                                                             | 1121-0261-P5                 |
|                                                                                                            | 0.040" (1.02mm)                                                             | 1121-0262-P5                 |
|                                                                                                            | 0.060" (1.52mm)                                                             | 1121-0267-P5                 |

## SPARE PARTS \*

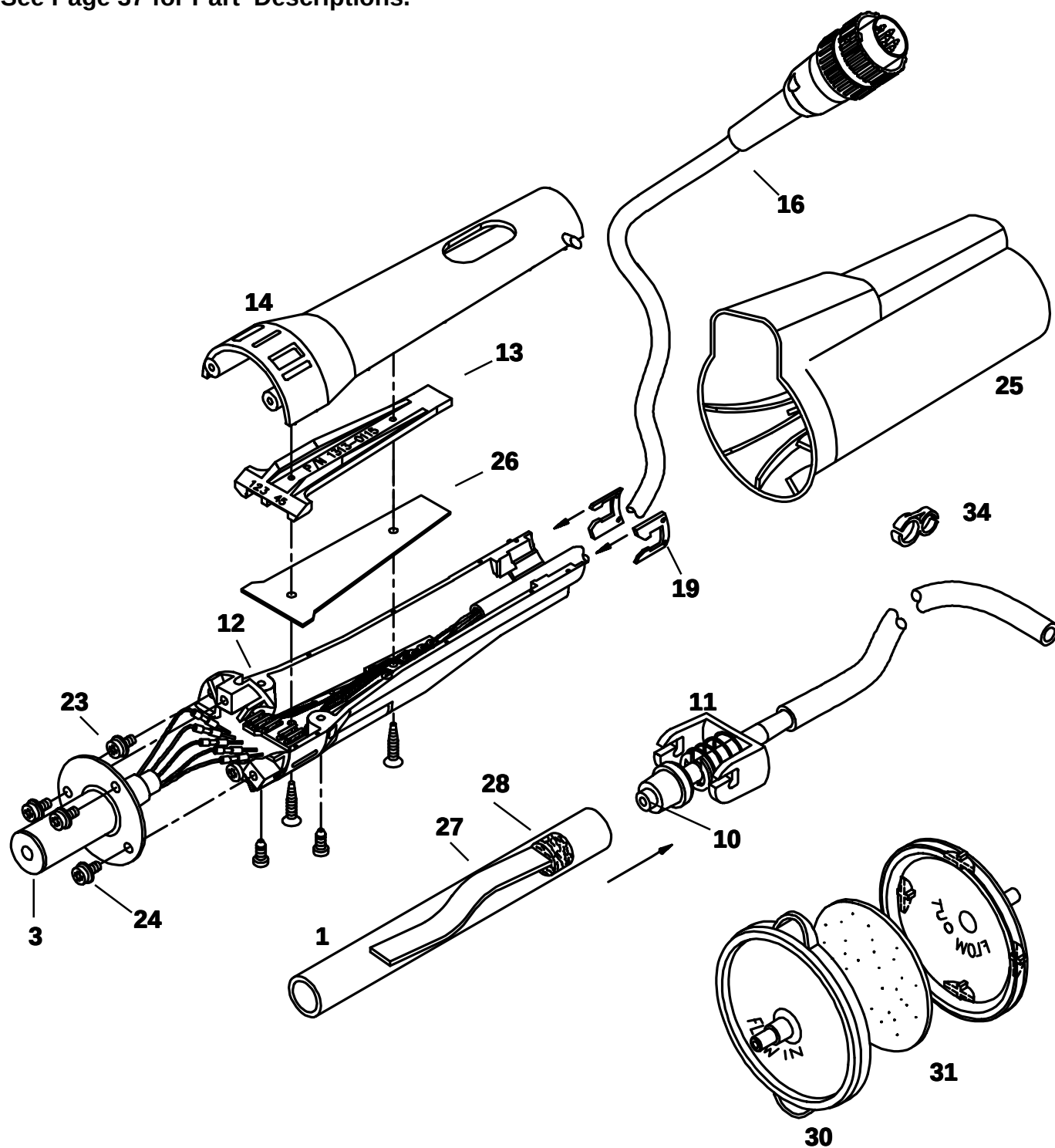
### SX-70, SX-65A, SX-55A, SX-55(60 WATT), AND SX-40A

| Item<br>Number | Item<br>Description                                                                          | PACE<br>Part #  |
|----------------|----------------------------------------------------------------------------------------------|-----------------|
| 1              | Glass Chamber                                                                                | 1265-0009-P1    |
| 2              | Optional Silicon Rubber Chamber (Not for SX-40A)                                             | 1265-0010-P1    |
| 3              | SX-70 Heater and Seal Assembly                                                               | 6010-0080-P1    |
| 4              | SX-65A Heater and Seal Assembly                                                              | 6010-0074-P1    |
| 5              | SX-55A Heater and Seal Assembly                                                              | 6010-0072-P1    |
| 6              | SX-55 60 Watt Heater and Seal Assembly                                                       | 6010-0048-P1    |
| 7              | SX-40A Heater and Seal Assembly                                                              | 6010-0069-P1    |
| 8              | SX-40 (Old style) Heater and Seal Assembly (comes with Dissipator)                           | 6010-0038-P1    |
| 9              | Front Seal, Heater                                                                           | 1213-0033       |
| 10             | Rear Seal                                                                                    | 1213-0001       |
| 11             | Rear Seal Retainer Assembly                                                                  | 4010-0101       |
| 12             | Heat Dissipator                                                                              | 1360-0005       |
| 13             | PCB Guide Cover                                                                              | 1313-0115       |
| 14             | Replacement Handle Kit (SX, TP, TJ) (Incl. Top/Bottom Plates, Heat Dissipator, and Hardware) | 6993-0140       |
| 15             | Replacement Hardware Kit (SX, TP, TJ) (Incl. Screws and Handle Clips)                        | 6993-0189       |
| 16             | Switch and Cord Assembly (SX-70 only)                                                        | 4010-0098-P1    |
| 17             | Switch and Cord Assembly Kit (SX-65A/55A/55-60Watt) (Also incl. PCB Cover, and Button)       | 6993-0134       |
| 18             | Switch and Cord Assembly (SX-40A only)                                                       | 6993-0135-P1    |
| 19             | Handle Clips                                                                                 | 1209-0006-P5    |
| 20             | Replacement Button                                                                           | 1119-0064       |
| 21             | Set Screws, for SX-70 heaters and older heaters, date coded 1/90 or later                    | 1348-0547-P10   |
| 22             | Set Screws, for old-style heaters, date coded 12/89 or before                                | 1348-0287-P10   |
| 23             | Dissipator Mounting Screws (mounts dissipator to handle)                                     | 1405-0534-P3    |
| 24             | Heater Mounting Screws, mounts heater to dissipator                                          | 1405-0395-P3    |
| 25             | Thermal Insulative Handpiece Sleeve (Optional)                                               | 1346-0065       |
| 26             | Solder Shield (Comes with the purchase of any Heater Assembly)                               | 1213-0072       |
| 27             | "S" Baffle                                                                                   | 4010-0033       |
| 28             | Sodr-X-Tractor Filter                                                                        |                 |
|                | Package of 10                                                                                | 1309-0018-P10   |
|                | Package of 50                                                                                | 1309-0018-P50   |
| 29             | VisiFilter, Fixed                                                                            | 1309-0020       |
| 30             | VisiFilter, Replaceable                                                                      | 1309-0028       |
| 31             | Replaceable VisiFilter Elements                                                              |                 |
|                | Package of 10                                                                                | 1309-0027-P10   |
|                | Package of 25                                                                                | 1309-0027-P25   |
|                | Package of 50                                                                                | 1309-0027-P50   |
| 32             | Tubing, 36" Length                                                                           | 1342-0001-10    |
| 33             | Tubing, 54" Length Black                                                                     | 1342-0015-08    |
| 34             | Hose Clamps                                                                                  | 1321-0085-01-P6 |
| 35             | Hose Fitting, Female (Quick Disconnect)                                                      | 1259-0086       |
| 36             | Hose Fitting, Male (Quick Disconnect)                                                        | 1259-0087       |
| 37             | Tubing, PVC, 1" Length                                                                       | 1325-0003-07    |

\* Unless otherwise specified, all replacement parts are universal to SX-70, SX-65A, SX-55A, SX-55(60Watt), and SX-40A.  
See Page 38 for Diagram.

# SX-70 PARTS DIAGRAM

See Page 37 for Part Descriptions.



## SX-30 SODR-X-TRACTOR (NON-SENSATEMP)

| Item<br>Number | Item<br>Description                                  | PACE<br>Part # |
|----------------|------------------------------------------------------|----------------|
| 1              | SX-30 (fits SX-215BE, SX-212BE, SX-301BE, PRC-151BE) | 7010-0027-P1   |

## SX-30 SPARE PARTS

| Item<br>Number | Item<br>Description                                         | PACE<br>Part #              |
|----------------|-------------------------------------------------------------|-----------------------------|
| 1              | Super Tips                                                  | See Tip Chart on<br>Page 47 |
| 2              | Glass Chamber                                               | 1265-0003-P1                |
| 3              | "S" Baffle                                                  | 4010-0033                   |
| 4              | Sodr-X-Tractor Filter,<br>Package of 10                     | 1309-0018-P10               |
|                | Package of 50                                               | 1309-0018-P50               |
| 5              | Heater and Seal Assembly, Dual Path, 120 VAC, 35W           | 6010-0035-P1                |
| 6              | Heater Washer                                               | 1213-0030-P2                |
| 7              | Nylon Screw                                                 | 1405-0341-P5                |
| 8              | Set Screw, for A-style heaters, date coded 10/89 or later   | 1348-0547-P10               |
|                | Set Screw, for old-style heaters, date coded 9/89 or before | 1348-0287-P10               |
| 9              | Cord/Handle Replacement (SX-20 and SX-25)                   | 6993-0144                   |
| 10             | VisiFilter, Fixed                                           | 1309-0020                   |
| 11             | VisiFilter, Replaceable                                     | 1309-0028                   |
| 12             | Replaceable VisiFilter Elements<br>Package of 10            | 1309-0027-P10               |
|                | Package of 25                                               | 1309-0027-P25               |
|                | Package of 50                                               | 1309-0027-P50               |
| 13             | Twist Lock Fitting (Male)                                   | 1263-0004                   |
| 14             | Tubing Assembly w/VisiFilter                                | 1325-0017                   |
| 15             | Tubing Assembly w/Twist Lock Fitting                        | 1325-0007                   |
| 16             | Clamp, Flat Cord & Tubing, Package of 6                     | 1211-0002-P6                |
| 17             | Tubing, 6' Length Clear                                     | 1325-0003-01                |
| 18             | Tubing, 12' Length Clear                                    | 1325-0012                   |
| 19             | Rear Seal Retainer Assy.                                    | 4010-0101                   |
| 20             | Bristle Brush, Package of 5                                 | 1127-0002-P5                |
| 21             | Wire Brush, Package of 5                                    | 1127-0006-P5                |
| 22             | Thermal Insulative Handpiece Sleeve                         | 1346-0065                   |
| 23             | Front Seal                                                  | 1213-0033                   |
| 24             | Rear Seal                                                   | 1213-0001                   |
| 25             | Vents Kit                                                   | 6993-0065                   |
| 26             | Heater Mounting Screws w/Lockwasher, Package of 3           | 1405-0395-P3                |

# TIPS FOR SX-30 HANDPIECE

## SUPER TIPS

(USE WITH SX-30 SODR-X-TRACTOR ONLY)

### Tip Selection

One of the most important aspects for successful solder removal is the selection of the proper size tip. There are several points to keep in mind.

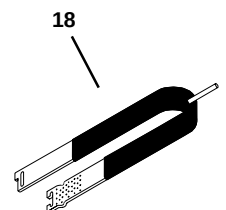
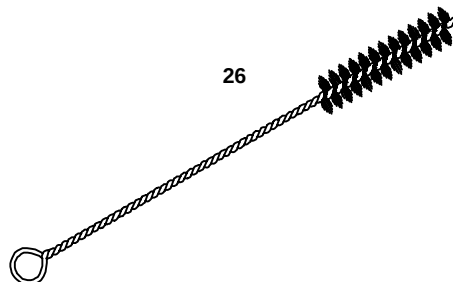
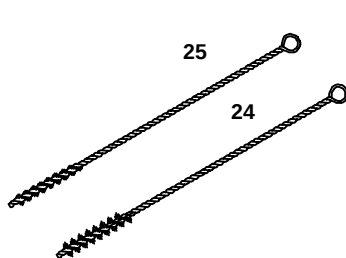
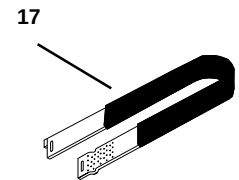
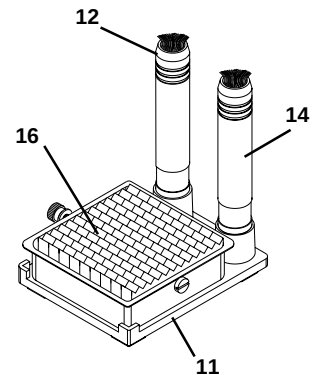
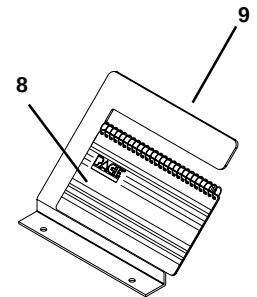
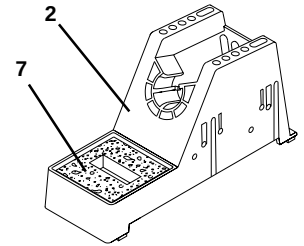
1. The Inside Diameter (I.D.) of the tip must be large enough to fit over the lead, while providing sufficient room so that air and solder can be drawn through the tip.
2. The Outside Diameter (O.D.) of the tip must be slightly smaller than the diameter of the pad to prevent tip contact to the board laminate and minimize the possibility of scorching.

Determine the O.D. and I.D. of the tip that best fits your application, then select the tip you need from the tables below:

| I.D. Nominal |      | O.D. Reference |      | PACE<br>Part Number |
|--------------|------|----------------|------|---------------------|
| IN.          | MM.  | IN.            | MM.  |                     |
| .020         | .51  | .053           | 1.34 | 1121-0213-P25       |
| .030         | .76  | .080           | 2.03 | 1121-0214-P25       |
| .030         | .76  | .070           | 1.78 | 1121-0480-P25       |
| .040         | 1.02 | .080           | 2.03 | 1121-0215-P25       |
| .040         | 1.02 | .070           | 1.78 | 1121-0479-P25       |
| .050         | 1.27 | .085           | 2.16 | 1121-0216-P25       |
| .060         | 1.52 | .104           | 2.64 | 1121-0217-P25       |
| .090         | 2.29 | .125           | 3.17 | 1121-0091-P25       |

# ACCESSORIES FOR SENSATEMP AND NON-SENSATEMP HANDPIECES

| Item Number | Item Description                                                                                              | PACE Part #   |
|-------------|---------------------------------------------------------------------------------------------------------------|---------------|
| 1           | PS Tip & Tool Stand (holds any one PS-80)                                                                     | 6019-0050-P1  |
| 2           | SP Tip & Tool Stand (holds any one SP-2A or SP-1A)                                                            | 6019-0043-P1  |
| 3           | SX Tip & Tool Stand (holds any one TJ-70, TP-65, or any SX handpiece)                                         | 6019-0044-P1  |
| 4           | IR Tip & Tool Stand (holds one IR-70 or IR-65)                                                                | 6019-0045-P1  |
| 5           | TT Tip & Tool Stand (holds one TT-65)                                                                         | 6019-0046-P1  |
| 6           | DTP Tip & Tool Stand (holds one DTP-80)                                                                       | 6019-0047-P1  |
| 7           | Sponges for Tip and Tool Stands (SX, PS, SP)                                                                  | 4021-0008-P3  |
| 8           | Solder Catcher for any Tip and Tool Stand                                                                     | 1312-0008-P1  |
| 9           | Tip and Temperature Selection System (Charts only)                                                            | 5050-0251     |
| 10          | Tip and Temperature Selection System Holder                                                                   | 1257-0186-P1  |
| 11          | Tip Maintenance Station (w/Fiber Tool and Sponge Tool)                                                        | 6993-0138     |
| 12          | Fiber Cleaning Tool for Surface Mount Tips                                                                    | 1100-0232     |
| 13          | Replacement Fiber Filler (for Fiber Cleaning Tool)                                                            | 1127-0013-P2  |
| 14          | Sponge Cleaning Tool for Surface Mount Tips                                                                   | 1100-0233     |
| 15          | Replacement Sponge Filler (for Sponge Cleaning Tool)                                                          | 4021-0006-P5  |
| 16          | Sponges for Tip Maintenance Station                                                                           | 4021-0007-P7  |
| 17          | Tip Tool                                                                                                      | 1100-0206     |
| 18          | Tip and Vacuum Cup Tool                                                                                       | 1100-0239     |
| 19          | Tip & Tool Stand Tip Redi-Rak (for tip storage)                                                               | 6021-0008-P1  |
| 20          | Tip Alignment Tool for ThermoTweez Handpiece                                                                  | 1100-0234     |
| 21          | Tip Redi-Rak                                                                                                  | 6021-0007     |
| 22          | Sodr-X-Tractor Tip Cleaning Kit                                                                               | 6993-0151     |
| 23          | Thermal Insulative Handpiece Sleeve (fits one SX-70, SX-65A, TJ-65, TJ-70, TP-65, SX-25, or SX-25V Handpiece) | 1346-0065     |
| 24          | Wire Brush, (3/16"), Package of 5                                                                             | 1127-0014-P5  |
| 25          | Wire Brush, (1/8"), Package of 5                                                                              | 1127-0006-P5  |
| 26          | Bristle Brush, Package of 5                                                                                   | 1127-0002-P5  |
| 27          | Set Screw for any SensaTemp Handpiece                                                                         | 1348-0547-P10 |
| 28          | PACE Screwdriver                                                                                              | 1100-0230     |



## ACCESSORIES FOR SENSATEMP SYSTEMS (PRC 2000E, PRC 1500E, MBT 250AE/220AE/201AE, AND ALL ST/E SYSTEMS)

| Item<br>Number | Item<br>Description                                  | PACE<br>Part # |
|----------------|------------------------------------------------------|----------------|
| 1              | Cord Retention System (For MBT/E Systems)            | 6018-0083      |
| 2              | Power Source Interlock Kit (For metal power sources) | 6993-0141      |
| 3              | Foot Pedal (For all systems except ST/E Series)      | 6008-0115      |
| 4              | PED-A-VAC III Foot Pedal (For ST/E Series only)      | 6014-0005      |
| 5              | One Year Consumables Kit (PRC 2000/E)                | 6550-0020      |

## TIP KITS

| Item<br>Number | Item<br>Description                                                                                                                                                                                 | PACE<br>Part #   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1              | <b>PS-80/IR-70 Soldering Iron Tip Kit:</b><br>Includes 5 each: 1121-0336, 1121-0414, 1121-0337, 1121-0406<br>Includes 1 each: 1121-0392, 1121-0396, 1121-0403, 1121-0402                            | <b>6993-0158</b> |
| 2              | <b>TJ-70/65 ThermoJet Tip Kit:</b><br>Includes 1 each: 1121-0338, 1121-0329, 1121-0330, 1121-0365, 1121-0371                                                                                        | <b>6993-0159</b> |
| 3              | <b>TP-65 ThermoPik Tip Kit:</b><br>Includes 1 each: 1121-0322-002, 1121-0323, 1121-0324, 1121-0325, 1121-0351                                                                                       | <b>6993-0160</b> |
| 4              | <b>TT-65 ThermoTweez Tip Kit:</b><br>Includes 1 each: 1121-0317, 1121-0318, 1121-0320, 1121-0313, 1121-0416                                                                                         | <b>6993-0161</b> |
| 5              | <b>SMT SensaTemp Tip Kit:</b><br>Includes 5 each: 1121-0369, 1121-0490<br>Includes 1 each: 1121-0303, 1121-0313, 1121-0316, 1121-0317, 1121-0320,<br>1121-0322-002, 1121-0391, 1121-0394, 1121-0416 | <b>6993-0171</b> |

Note: Each Tip Kit comes with a Tip Redi-Rak (6021-0007-P1) for tip storage.