EDSYN INC®

971 LONER®

high performance

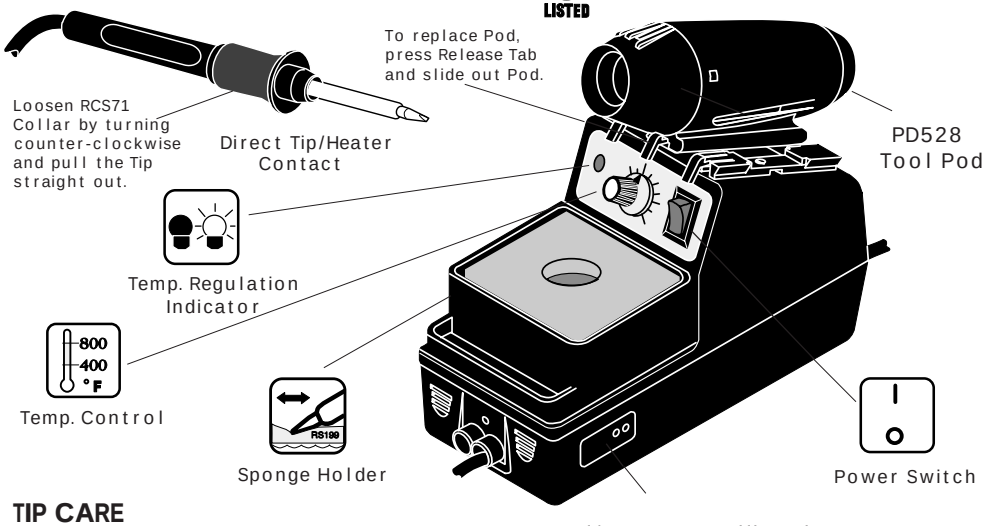
Temperature Controlled Soldering Station

SPECIFICATIONS

- 120V, 50/60Hz, 70W, 2.5 lbs. (1.13 kg.)
- COMPLIES WITH DOD-STD-2000-1B, MIL-STD-2000A and ESD SPEC. DOD-STD 1868, DOD-HDBK-263
- TEMP. RANGE: 400°F - 800°F (205°C - 427°C)
- TEMP. REGULATION: ±6°F (±3°C)
- TIP TO GROUND LEAKAGE: < 2MV
- TIP TO GROUND RESISTANCE: < 2 OHMS
- UL LISTED

made in USA

Static Safe



TIP CARE

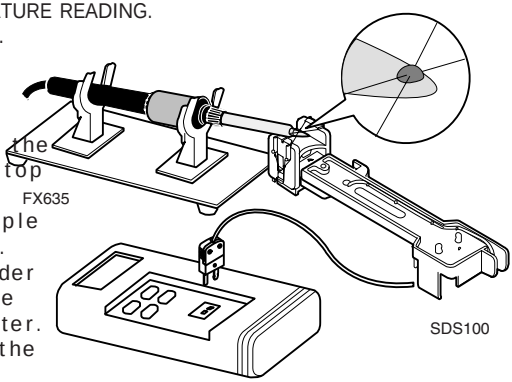
1. Set desired temperature. Blinking Lamp means Tool is regulating.
2. TIN the Tip. (apply solder)
3. Do not rub, bend or reshape the Tip.
4. Always clean the Tip by wiping it against the saturated sponge and always RE-TIN.

WARNING: DO NOT HIT OR TAP THE TOOL. HEATER ELEMENT WILL BREAK!!!

TEMPERATURE CALIBRATION

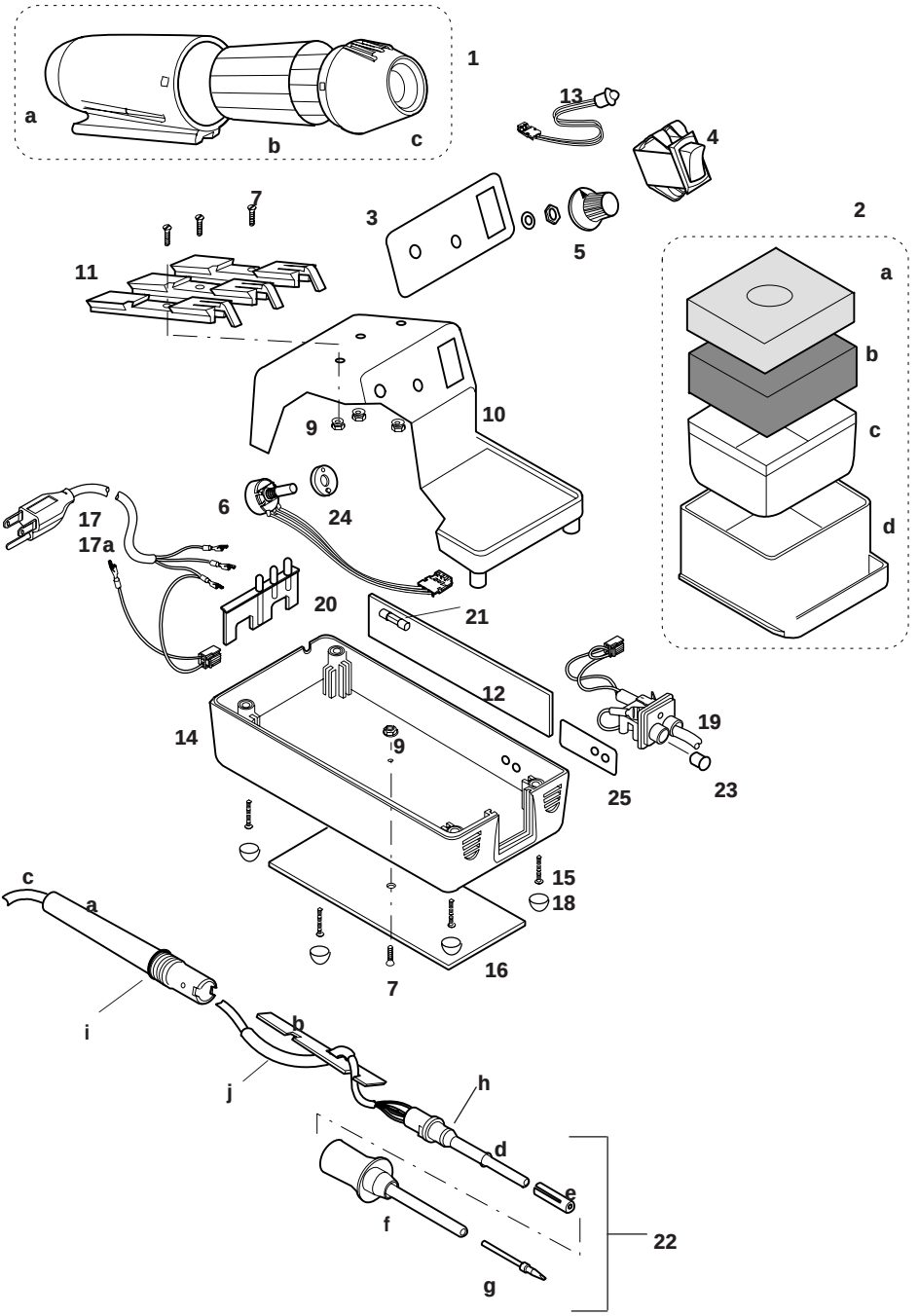
AIR MOVEMENT WILL AFFECT THE TEMPERATURE READING. WORK IN AN AREA WHERE THIS IS MINIMAL.

1. Turn on power and set Temperature Control Knob to 400°F.
2. Using a clean and well tinned Tip, apply a small amount of solder on the Tip, just enough to form a bead on top of the Tip.
3. Place the center of the thermocouple wire of the **SDS100** on top of the bead.
4. Again, apply a small amount of solder on the center of the thermo-couple wire, just enough to embed the center.
5. Adjust LO-Temp. Calibration Pot so the Meter will read 400°F.
6. Set Temperature Control Knob to 800°F.
7. Adjust Hi-Temp. Calibration Pot so the Meter will read 800°F.



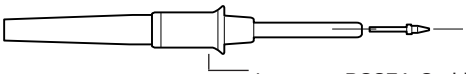
MS412
Temperature Calibration System

971 LONER® High Performance
SOLDERING STATION
SPARE PARTS LIST



ITEM NO.	PART NO.	DESCRIPTION	QTY REQ'D
1	**PD528**	Tool Pod	1
1a	**SR042**	Thermal Housing for Tool Pod	1
1b	**SC581**	Solder Collector for Tool Pod	1
1c	**SR043**	Front Housing for Tool Pod	1
2	**SH230**	General Purpose Sponge Holder	1
2a	**RS199**	Cleaning Sponge	1
2b	**RS243**	Leveling Pad for SH230	1
2c	**LN230**	Liner for SH230	1
2d	**SH230-1**	Sponge Holder Tray	1
3	**SR577**	Control Panel Label	1
4	**SR065**	Power Switch, Illuminated	1
5	**SR045**	Knob, Temperature Control	1
6	**SR243**	5K Potentiometer, Temperature Control	1
7	**SR015**	Flat Head Screw- Slotted #6 - 32 x 1/2	4
9	**SR467**	Hex Nut, Square Cone- #6 - 32	4
10	**SR741**	Top Base	1
11	**SR019**	Dove Tail Mount	1
12	**15002W95**	Circuit Board	1
13	**SR573**	LED Assy. Front Panel Mount	1
14	**SR611**	Bottom Base	1
15	**SR011**	Pan Head Screw- Phillip #6 - 18 x 5/8	4
16	**SR054**	Bottom Weight	1
17	**SR252**	Power Cord Assy.	1
17a	**SR026**	Power Cord only (connectors not included)	1
18	**SR251**	Rubber Foot	4
19	**SR226**	Strain Relief Block for Tool Cord (Tool Cord Assy. not included)	1
20	**SR241**	Strain Relief for Power Cord	1
21	**SR249**	Fuse, 250V, 1.6 A (5mm x 20 mm)	1
22	**SR575**	Soldering Tool, Complete Assembly	1
22a	**SR579**	Handle for Tool	1
22b	**SR058**	Cord Strain Relief	1
22c	**SR280**	Tool Cord, Burn Proof (connector Assy. on one end)	1
22d	**SR574**	Heater Assembly	1
22e	**LTC71**	Tip Collet	1
22f	**RCS71**	Retaining Collar and Sleeve	1
22g	**LT375**	LONER® Standard Spade Tip	1
22h	**SR001**	O-Ring, Silicone, .30 ID	1
22i	**SR240**	O-Ring, For Handle, .50 ID	1
22j	**SR525**	Hose, Low Static, 1/4 I.D. (Sold per foot)	5 1/4"
23	**SR301**	Plug, Covering for Strain Relief, Tool Cord Outlet	1
24	**SR255**	Spacer for Potentiometer	1
25	**SR310**	Label, Set Pot, Right Front or Left Rear	

REPLACING TIPS



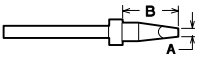
CAUTION

1. Tool must be cool when changing tips.
2. Do not twist or wiggle the tip.

AFTER TIP IS INSTALLED, TIGHTEN COLLAR PROPERLY.

Loosen RCS71 Collar by turning counter-clockwise and pull the Tip straight out.

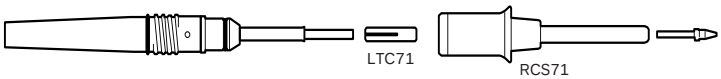
General Purpose Soldering Tips



Iron Plated for long life•Nickel and Chrome Plated for optimum heat transfer.

EDSYN has over a 100 varieties of standard and custom-made Tips. CONTACT EDSYN FOR MORE SELECTIONS.

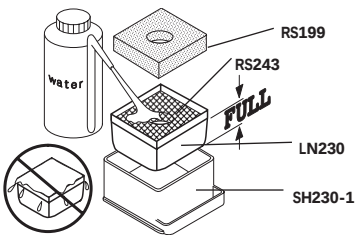
Part No. & Description	a	b
LT374 Standard Probe	.03 (0.8 mm)	.48 (12.2 mm)
LT375 Standard Spade	.06 (1.5 mm)	.48 (12.2 mm)
LT376-7 SMD Channel	.12 (3.0 mm)	.48 (12.2 mn)
LT392 Extra-Long Needle	.02 (0.5 mm)	1.13 (28.8 mm)
LT394 Extra-Long Spade	.07 (2.0 mm)	.93 (23.6 mm)
LT399 Large Face	.17 (4.3 mm)	.49 (12.4 mm)
LT444 SMD Mid-Length Fine Spade	.04 (1.0 mm)	.78 (19.8 mm)
LT446 SMD Probe	.03 (0.8 mm)	.48 (12.2 mm)
LT382 Long Cone	.02 (0.5 mm)	.62 (15.6 mm)
LT395 Mid-Length Stubby Spade	.09 (2.3 mm)	.74 (18.8 mm)
LT431 Mid-Length Spade	.07 (1.8 mm)	.74 (18.8 mm)
LT439 SMD Thin Probe	.03 (0.8 mm)	.50 (12.7 mm)
LT439-1 Same as LT439, Angled		
LT445 SMD Angle Face	.03 (0.8 mm)	.48 (12.2 mm)



MAINTENANCE

• Replace RS199 Cleaning Sponge

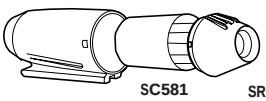
1. Fill water only up to the top of the **RS243** Leveling Pad.
2. Depress **RS199** to moisten it completely.



CAUTION:
Over-filling can cause thermal shock to the tip or heating element during tip cleaning.

• Replace SC581 Solder Collector

1. Hold the Housing firm and turn Cap counter-clockwise and pull it away from the Housing.
2. Remove used **SC581** and replace with a new one.
3. Reassemble Pod with TOP of the Cap in proper position.



15958 ARMINTA ST. VAN NUYS, CA 91406-1896
PHONE: (818) 989-2324 FAX (sales): 818-997-0895
Email: info@edsyn.com Internet: www.edsyn.com

© Copyright EDSYN,Inc.1995