

PARTS LIST AND OWNERS MANUAL

UC-90 PNEUMATIC CRIMPING TOOL

ASSEMBLY:

- Upon receipt inspect package for all parts.
- Securely attach A-202-4 (Drwg. 4) Bench Stand to a solid surface.
- To attach UC-9 head on to SP-004F-25S power pack, apply air to normally closed air inlet. This will drive the piston forward. **Isolate air while attaching hose and jaw head.** Slide UC-9 head over cam and push down. Screw head on to power pack. Secure head to pack by tightening set screw #3 shown on page 3 (Drwg. 3)1.
- Slide power pack in to A-202-4 bench stand (which was first secured to solid surface). Attach hoses to power pack and then to foot switch. Air hoses must have a 1/8" NPT male thread attached that will screw in to the tool end. Follow diagram on page 2 (Drwg. 2) for proper hose installation. Use proper size wrench to secure hoses. Check that all threads are free of debris prior to securing.
- An in line lubricator will help to extend the life of the tool and prevent the o'rings from drying up. Only use pneumatic oil in the lubricator. If no lubricator is available place a few drops of pneumatic oil in to the air inlets on the foot valve and the tool each week.
- Attach air hose to a regulator/air filter/lubricator. Lubricated air supply should be no further than 6 feet from tool. Check for air leaks. If there are any, remove hose and check threads for damage. Reattach air hose, tighten. Check for leaks again.
- Test unit to assure free movement of jaws. Be sure to follow all safety instructions.
- Put optional inserts (page 3) in to jaws and tighten with #29 screws (page 3, Drwg. 3).
- Maximum air pressure is 80 PSI (5.516 BAR). Using as little pressure as possible to perform the crimp will help to prolong the life of the tool. If more pressure is necessary you may need to purchase a larger power pack.
- Jaws should be kept clean and free of dirt and foreign objects.



SAFETY INSTRUCTIONS:

- Inspect tools and hose each day prior to operation. Air hose that is frayed, cut or abraded needs to be replaced. Be sure that threads are clean and not worn.
- If the tool is not in use and not positively disconnected from the energy supply, the energy supply system must facilitate isolation and dissipation of pressure by a suitable and lockable shutoff device in order to prevent unexpected startup.
- Beware of hair, fingers, ties, loose clothing etc. when operating the tool. Keep away from moving parts.
- Always wear eye protection when operating the tool. Beware of ejection of wire or chips.
- Always disconnect from air supply when changing tool, changing inserts, repair or adjustments.
- Only tools recommended and manufactured by Simonds are to be used on this power pack. Use of other tools may constitute a hazard and void all warranties.
- Simonds tools are not designed for use in explosive atmospheres.
- Simonds tools are not insulated for coming in to contact with electric power sources.
- Do not point or aim tool at another person. Do not use tools near personnel where risk of flying debris may hit them.
- Unsecured or cut air hose may cause a whipping action which may result in injury.
- Do not use any attachments not manufactured by Simonds for this tool. Injury may result.
- Be sure that tool and bench stand are secured firmly.
- Simonds tools are not for use other than on the production line. Tool should not be used as a hammer or pry bar.
- **DO NOT EXCEED RECOMMENDED WIRE SIZE OR AIR PRESSURE.** This may result in damage to the tool or injury to user.



Eye Protection Must Be Worn



Read Manual Carefully

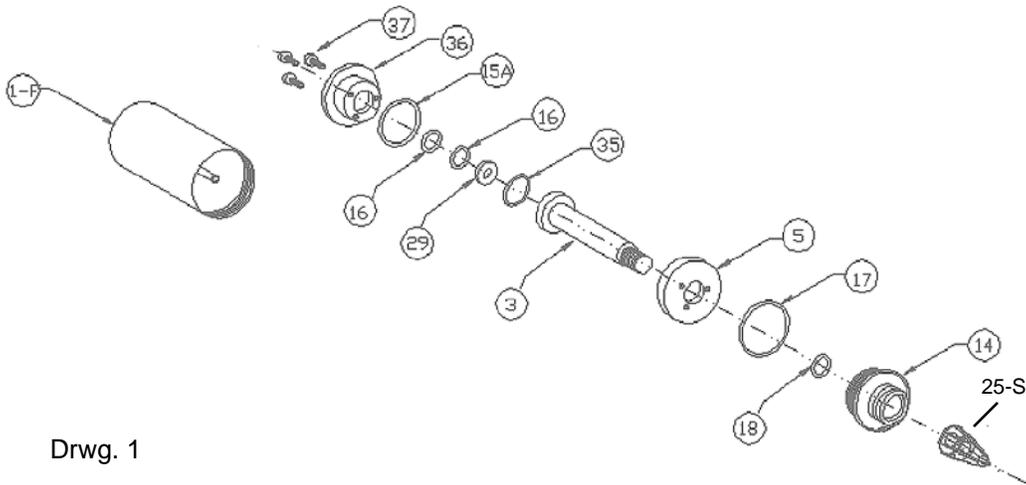
Simonds

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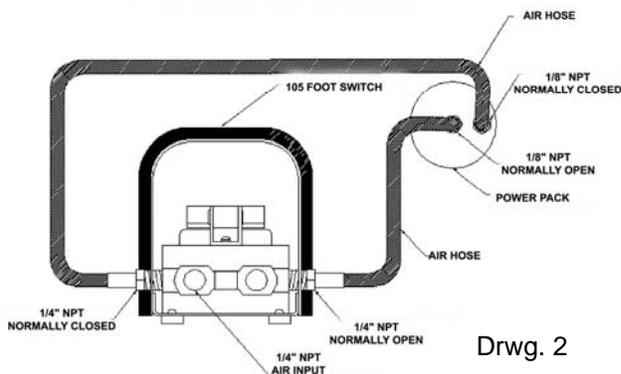


Drwg. 1

SP-004F—25S Power Pack

DRWG. NO.	DESCRIPTION	PART NO.
1-F	PISTON HOUSING REMOTE	1-F-004
3	PISTON SHAFT	3-003
5	PISTON LOCK PLATE	5-004
14	END CAP	14-004
15A	PISTON SEAL O'RING	15A-004*
16	O'RING (2 Required)	16-003-K10*
17	O'RING	17-004-K10*
18	END CAP O'RING	18-01*
25S	CAM	25-S
29	PISTON WASHER	24-01
35	O'RING	35-003-K10*
36	PISTON SEAL HOLDER	36-004

*Sold as a kit—Order 004-KIT
 Power pack shipped with two (2) 102-5 air hoses.

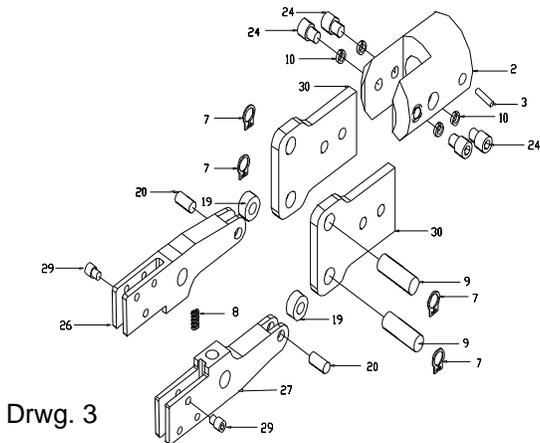


Drwg. 2

FOOTSWITCH ASSEMBLY:

Follow diagram to insure proper assembly. The **Normally Open** outlet is marked on the side of the footswitch. The **Normally Open** inlet on the power pack is always in the middle. The air inlet is at the rear of the footswitch. Please be sure air from the regulator and air filter is piped in to the rear of the foot switch. As with all pneumatic tools, the main air supply should be no more than six feet away and have a regulator/filter/lubricator at that point.

Regular lubricating of tool and footswitch will prolong tool life.



Drwg. 3

UC-9 JAW AND HOUSING

DRWG. NO	DESCRIPTION	PART NUMBER
2	JAW HOUSING FOR A-4 JAWS	4-2B
3	SET SCREW	4-3A
7	SNAP RING (4 required)	4-7A
8	INTERNAL JAW SPRING	4-8A
9	PIVOT PIN (2 required)	4-9A
10	LOCK WASHER (4 required)	4-10A
19	JAW ROLLER (2 required)	4-19-525-K2
20	ROLLER PIN (2 required)	4-20A
24	JAW ASSEMBLY SCREW (4 required)	4-24A
26&27	JAW SET	RUC-9
29	INSERT HOLDING SCREW (2 required)	38-RU-9
30	SIDE PLATE (Set of 2)	4-30A

OPTIONAL CRIMPING INSERTS

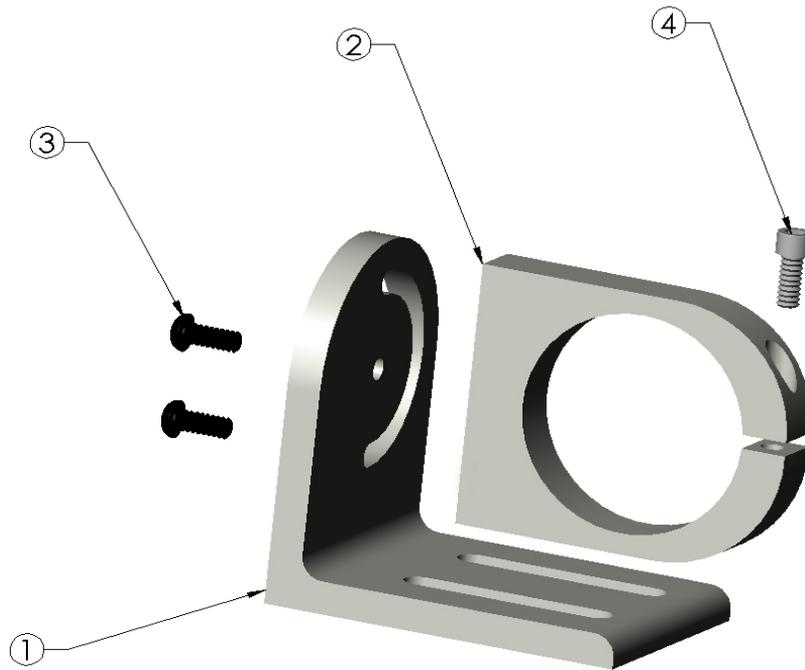
	<p>UC-50-1</p> <p>RG58, RG59/62, AU, BNC/TNC, 3-pc cavities for MS39012 type, AMP, Trompeter, Kings, Amphenol and other connector. Triple Hex cavity die and crimp dimensions of .255, .213, and .068.</p>	
	<p>UC-50-2</p> <p>RG-59, RG8281 and RG6 cable groups and 50-75 OHM Cables. Quad hex die with crimp dimensions of .324, .255, .068 and .042.</p>	
	<p>UC-50-3</p> <p>RG58, RG174 and RG8128 cable groups for 50-75 OHM cables. Quad hex die with crimp dimensions of .213, .178, .068 and .042.</p>	
	<p>UC-50-4</p> <p>RG8/11 Ethernet Thickwire, N-series MS39012 type plugs and jacks for RG213 and RG216 cables. Triple hex cavity die with crimp dimensions of .429, .100, .080.</p>	
	<p>UC-50-5</p> <p>RG58 and RG59 Plenum and Teflon cables. Quad hex die with crimp dimensions of .190, .213, .068, and .042.</p>	
	<p>UC-50-6</p> <p>22-8 AWG non-insulated ring, spade and butt splice terminals. Quad cavity die with crimp dimensions of .295, .225, .160 and .140.</p>	
	<p>UC-50-7</p> <p>RG-59 and RG6, CATV "F" connectors. Triple hex die with crimp dimensions of .350, .320, and .255.</p>	
	<p>UC-50-8</p> <p>22-10 AWG red, yellow and blue fully insulated quick disconnect terminals. Triple cavities with crimp dimensions of .355, .255 and .235.</p>	
	<p>UC-50-9</p> <p>22-10 AWG red, yellow and blue fully insulated quick disconnect terminals. Triple cavities with crimp dimensions of .340, .255 and .245.</p>	
	<p>UC-50-10</p> <p>22-12 AWB open barrel ("F" Mate-N-Lock) connectors. Triple cavities with crimp dimensions of .165, .100 and .090.</p>	
	<p>UC-50-11</p> <p>26-16 AWG red, yellow and blue miniature insulated rings, spades and butt splices. Triple cavity with crimp dimensions of .148, .234 and .240.</p>	
	<p>UC-50-12</p> <p>Universal RJ-11 modular telecommunication plug for 2, 4 or 6 position plugs.</p>	
	<p>UC-50-13</p> <p>Universal RJ-45 eight-position die set for keyed or non-keyed modular plugs (excluding AMP)</p>	

Optional UC-L locator shelf for UC-90 outfit. This piece aides in assuring a uniform crimp each time.



A-202-4 BENCH

DRWG. NO.	DESCRIPTION	PART NUMBER
1	MOUNTING BRACKET	A-202-2-1
2	TOOL HOLDER BRACKET	A-200-1-004
3	HOLDER SCREW (2 required)	A-202-2-3
4	HOLDER BRACKET SCREW	A-202-2-1



Drwg. 4

107 Footswitch

