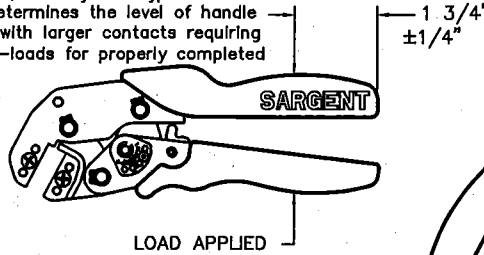


SARGENT®

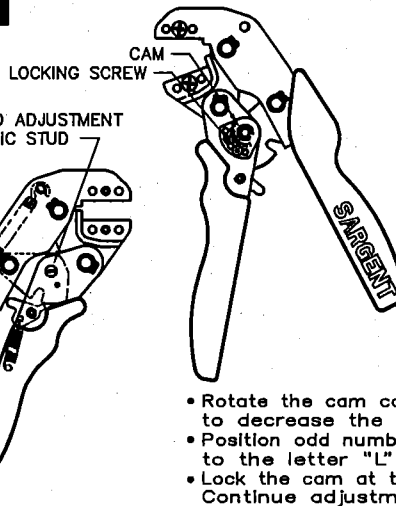
2100 CRIMP TOOL OPERATING PROCEDURE

Apply force as shown until ratchet releases. The force at a point approx. $1\frac{3}{4}$ " from handle ends should vary between 5-35 lbs. depending on the style/type and size of contact and/or wire size.

In general, the style or type of contact crimped determines the level of handle pre-load, with larger contacts requiring higher pre-loads for properly completed crimps.



PART No. 2100
(TOOL FRAME)



TOOL MAINTENANCE

Maintenance and inspection should be performed regularly. Tool should be wiped clean with special emphasis on the crimping cavities. Tool may be cleaned by immersing in a suitable commercial solvent or cleaner which does not attack paints or plastic material. The tool should be re-lubricated after cleaning using a light film of a medium weight oil on bearing surfaces and pivot pins. When not in use, keep handles closed to prevent objects from becoming lodged in the crimping dies and store in a clean dry area.

ECCENTRIC ADJUSTMENT

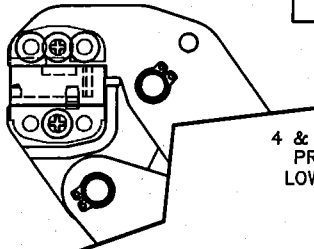
• To adjust the tool to obtain the proper force values, open the handles and remove the cam locking screw with a $1/16$ " hex wrench.

- Rotate the cam counterclockwise to increase handle load or clockwise to decrease the handle load.
- Position odd numbers on the cam in the locking screw hole adjacent to the letter "L" and even numbers adjacent to the letter "T".
- Lock the cam at the desired handle load setting and remeasure force. Continue adjustment if necessary.

MODULAR PLUG



CAT No.	NUMBER POSITIONS	MOD. PLUGS ACCOMMODATED
2100-06	4/6 POSITION	RJ-11
2100-08	8 POSITION	RJ-45
2100-10	10 POSITION	10 POSITION



4 & 6 POSITION DIES PROVIDED WITH LOWER DIE ONLY

8 & 10 POSITION DIES PROVIDED WITH TOP SPACER, BOTTOM DIE, RIVETS & SCREW



5/32 X $1/2$ " FLAT HD. RIVETS (2)

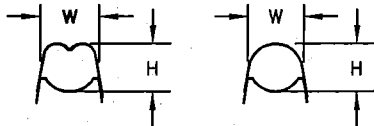
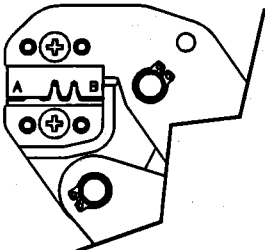
Strip cable according to manufacturer's specifications. Insert cable fully into connector. Place connector in die, end of modular plug butting against back of die cavity, and close tool completing crimp cycle. Grasp cable near connector and lift and pull to remove cable/plug assembly. Inspect crimp to assure all contacts are crimped and strain relief portion is latched. Test by holding plug and pulling firmly on cable.

THE TOOL IS EQUIPPED WITH A RATCHET MECHANISM TO ASSURE RELIABLE CRIMP TERMINATIONS.

A RATCHET RELEASE LEVER IS PROVIDED TO ALLOW FOR REMOVAL OF AN INCORRECTLY PLACED OR OVERSIZE CONNECTOR.

ADJUST RATCHET RELEASE HANDLE FORCE TO **5-15 LBS.** FOR MODULAR PLUGS AS INSTRUCTED ABOVE IN ECCENTRIC ADJUSTMENT SECTION.

HI-DENSITY

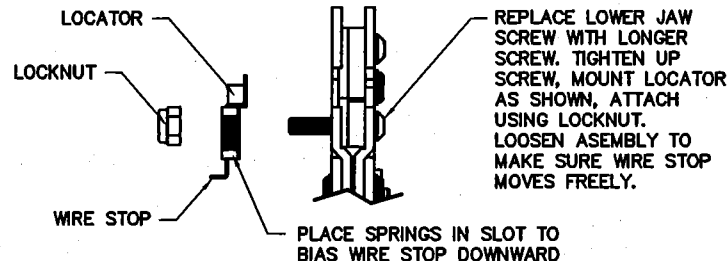


NEST	CONDUCTOR		INSULATION	
	HEIGHT	WIDTH	HEIGHT	WIDTH
A	.032 NOM.	.056 REF.	.057 NOM.	.057 REF.
B	.028 NOM.	.054 REF.	.044 NOM.	.054 REF.

GAGING WITH WIRE SOLDER

PART No. 2100-24

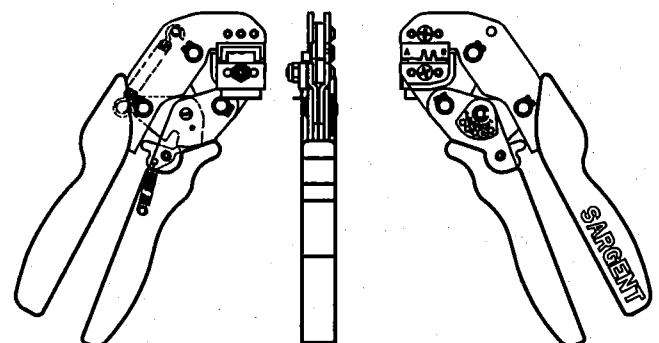
LOCATOR ASSEMBLY PROCEDURE



NOTE: SHOULD OVERCRIMPING OF CONTACT RESULT- ADJUST RATCHET RELEASE FORCE TO **15-30 LBS.** FOR D-SUB. AND HI-DENSITY STYLE CONTACTS. GAGE CRIMPS WITHIN SPECIFICATIONS- ADJUST HANDLE PRE-LOADS ACCORDINGLY.

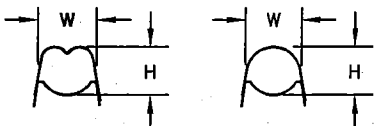
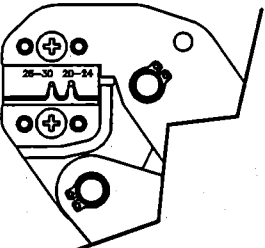
REFER TO ECCENTRIC ADJUSTMENT PROCEDURE ABOVE.

LOCATOR/CRIMP TOOL ASSEMBLY



D-SUB

30-20 AWG



NEST	CONDUCTOR		INSULATION	
	HEIGHT	WIDTH	HEIGHT	WIDTH
26-30	.024 NOM.	.044 REF.	.042 NOM.	.053 REF.
20-24	.024 NOM.	.055 REF.	.080 NOM.	.057 REF.

GAGING WITH WIRE SOLDER

PART No. 2100-27

OPEN BARREL

24-14 AWG

SPLIT PINS (4)

DIE SHIM (2)

GAGING

NEST	HEIGHT	WIDTH
A	.118 NOM.	.140 REF.
B	.119 NOM.	.134 REF.
C	.090 NOM.	.122 REF.
D	.068 NOM.	.086 REF.
E	.037 NOM.	.074 REF.

GAGING WITH WIRE SOLDER

PART No. 2100-28

THE OPEN BARREL CRIMP DIE HAS TO BE PINNED IN PLACE FOR PROPER OPERATION USING THE FOUR SPLIT PINS PROVIDED.

INSTALL THE UPPER DIE AS SHOWN WITH THE DIE SPACER PROVIDED TO THE REAR OF THE TOOL.

TAP PINS IN PLACE WHILE ALIGNING DIE/SPACER HOLES WITH HOLES IN TOOL FRAME.

REPEAT PROCEDURE FOR LOWER DIE.

REPLACE THE #8-32 SCREWS AS SHOWN.

THE TOOL IS EQUIPPED WITH A RATCHET MECHANISM TO ASSURE RELIABLE CRIMP TERMINATIONS.

A RATCHET RELEASE LEVER IS PROVIDED TO ALLOW FOR REMOVAL OF AN INCORRECTLY PLACED OR OVERSIZE CONNECTOR.

ADJUST RATCHET RELEASE HANDLE FORCE TO 15-30 LBS. FOR OPEN BARREL TERMINALS AS INSTRUCTED IN THE ECCENTRIC ADJUSTMENT SECTION.

SLIDE-ON

RED 18-22 BLUE 14-16

CONDUCTOR SIDE

INSULATION SIDE

GAGE PIN

2/3 NOM. GAGE DIA.

GAGING INFORMATION

NEST	CONDUCTOR		INSULATION	
	H	W	H	W
22-18 RED	.100 NOM.	.220 REF.	.135 NOM.	.240 REF.
16-14 BLUE	.108 NOM.	.240 REF.	.165 NOM.	.260 REF.

* GAGING USING FLATTED GO/NO GO PINS WITH TOOL CLOSED TO LAST TOOTH OF RATCHET

PART No. 2100-42

SELECT THE APPROPRIATE NEST FOR THE TERMINAL BEING CRIMPED.

POSITION THE TERMINAL WITH INSULATION SIDE TOWARDS THE FRONT OF THE TOOL.

CLOSE THE TOOL CAREFULLY UNTIL THE JAWS GRIP THE TERMINAL WITHOUT DISTORTION.

INSERT THE PROPERLY STRIPPED WIRE INTO THE TERMINAL. HOLDING THE WIRE IN PLACE, CLOSE THE TOOL PAST THE RATCHET RELEASE POSITION AND ALLOW THE JAWS TO OPEN.

REMOVE AND INSPECT THE CRIMP.

ADJUST RATCHET RELEASE HANDLE FORCE TO 5-15 LBS. FOR SLIDE-ON TERMINALS AS INSTRUCTED IN THE ECCENTRIC ADJUSTMENT SECTION.

COAX

CAT No.	CAVITY HEX. (EXCEPT WHERE NOTED)	CABLES ACCOMMODATED
2100-51	.068, .213 & .255	RG-58/59/62 (PVC)
2100-52	.068, .178 & .324	RG-174 & 8281
2100-53	.042(SQ.), .213 & .255	RG-58/59/62 (PVC)
2100-54	.042(SQ.), .068, .190 & .213	RG-58/59/62 (PLENUM)
2100-64	.068, .255 & .324	RG-59/8281
2100-65	.042(SQ.), .068, .100, .128 & .178	RG-174/FIBER OPTIC
2100-75	.151, .178 & .213	FIBER OPTIC

WIDTH ACROSS FLATS

CENTER CONDUCTOR CRIMP

FERRULE CRIMP

FORMULA FOR HEX SIZE:
OUTSIDE DIAMETER FERRULE X .866=HEX SIZE (ACROSS FLATS)

PART No. 2100-51 SHOWN

Strip cable according to manufacturer's specifications. Select proper hex cavity for size of cable being used. Crimp center conductor in area shown. Assemble connector and crimp outer ferrule.

THE TOOL IS EQUIPPED WITH A RATCHET MECHANISM TO ASSURE RELIABLE CRIMP TERMINATIONS.

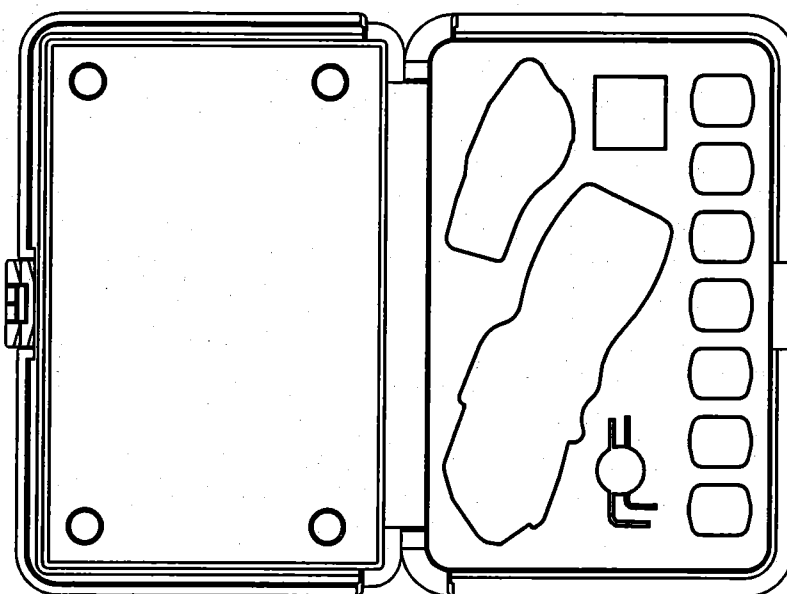
A RATCHET RELEASE LEVER IS PROVIDED TO ALLOW FOR REMOVAL OF AN INCORRECTLY PLACED OR OVERSIZE CONNECTOR.

ADJUST RATCHET RELEASE HANDLE FORCE TO 25-35 LBS. FOR COAXIAL AS INSTRUCTED ABOVE IN THE ECCENTRIC ADJUSTMENT SECTION.

PROPER HANDLE FORCE IS BEING UTILIZED WHEN CRIMPS ARE GAGED AND FOUND TO BE WITHIN SPECIFIED TOLERANCE.

DURABLE BLACK PLASTIC CASE WITH BLACK POLYETHYLENE FOAM INSERT TO PROTECT AND STORE TOOL FRAME AND DIES. (12 X 8 X 2 15/16")

CARRYING CASE/FOAM INSERT
TK 2700 KIT BOX AND FOAM





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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