CT-720 INSTALLATION TOOL: OPERATING INSTRUCTIONS

COPPER LUGS AND SPLICES						ALUMINUM LUGS AND SPLICES					
DIE PART NUMBER	DIE COLOR CODE AND INDEX NUMBER	WIRE SIZE	NUMBER OFCOMPRESSIONS PER WIRE			DIE PART NUMBER	DIE COLOR CODE AND INDEX NUMBER	WIRE SIZE	NUMBER OF COMPRESSIONS PER WIRE		
			LCA/LCAN LCD/LCDN SCS	LCAS SCSS	LCB LCC/LCCN SCL				LAA	LAB	SA
CD-720-1	RED P21	8	1	1	2	CD-720-1	—	—	—	—	—
	BLUE P24	6	1	1	2		GREY P29	6	2	—	2
	GREY P29	4	1	1	2		—	—	—	—	—
	BROWN P33	2	1	1	2		—	—	—	—	—
CD-720-2	GREEN P37	1	1	1	2	CD-720-2	GREEN P37	4	2	—	2
	PINK P42	1/0	1	1	2		PINK P42	2	3	—	3
	BLACK P45	2/0	2	2	3		GOLD P45	1	3	—	3
	ORANGE P50	3/0	2	2	3		TAN P50	1/0	3	3	3
CD-720-3	PURPLE P54	4/0	2	2	3	CD-720-3	OLIVE P54	2/0	3	3	3
	YELLOW P62	250	2	2	4		RUBY P62	3/0	4	4	4
CD-720-4	WHITE P66	300	2	—	4	CD-720-4	WHITE P66	4/0	4	4	4
CD-720-5	RED P71	350	2	—	4	CD-720-5	RED P71	250	4	4	4
CD-720-6	BLUE P76	400	2	—	4	CD-720-6	BLUE P76	300	4	4	4
CD-720-7	BROWN P87	500	2	—	4	CD-720-7	BROWN P87	350	4	4	4
CD-720PV8-2	RED PV8	#8	Pan-Term VINYL INSULATED TERMINALS ONLY								
	BLUE PV6	#6									
	YELLOW PV4	#4									
	RED PV2	#2									

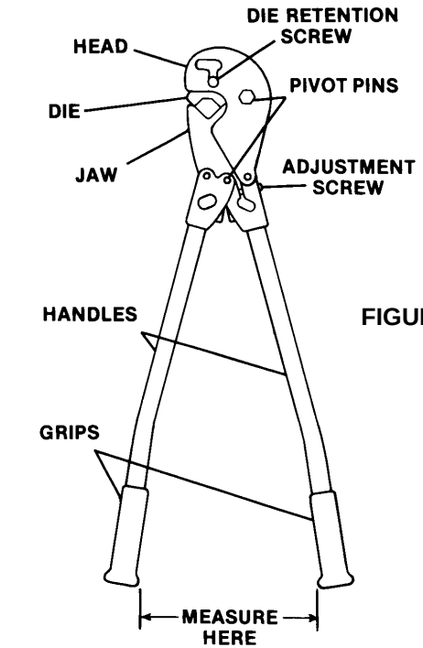

FIGURE 1

0” ← → 10” ← → 13”

DIE SELECTION:

- MATCH COLOR ON COMPRESSION POCKET TO COLOR ON CONNECTOR — SEE CHART ABOVE.

DIE INSTALLATION:

- TO INSTALL CD-720 SERIES DIES, OPEN HANDLES UNTIL FULLY EXTENDED.
- INSERT DIE INTO RECESS IN TOOL HEAD WITH SELECTED COMPRESSION POCKET FACING JAW.
- ALIGN HOLE IN DIE WITH DIE RETENTION SCREW AND FIRMLY TIGHTEN SCREW.
- CHECK THAT TOOL IS PROPERLY ADJUSTED AS INSTRUCTED.

TOOL ADJUSTMENT:

- ADJUST TOOL WITH ANY CD-720 DIE INSTALLED BY LAYING TOOL ON A FLAT SURFACE AND CLOSING HANDLES UNTIL JAW JUST CONTACTS DIE.
- MEASURE DISTANCE BETWEEN TIPS OF GRIPS AS SHOWN IN FIGURE 1. TOOL IS PROPERLY ADJUSTED WHEN DISTANCE MEASURED IS BETWEEN 10” (254 mm) AND 13” (330 mm). USE SCALE PROVIDED ABOVE.
- IF LESS THAN 10”, TURN ADJUSTMENT SCREW CLOCKWISE; IF MORE THAN 13”, TURN COUNTERCLOCKWISE.

WARNING:
DO NOT USE THIS TOOL ON LIVE ELECTRICAL CIRCUITS!

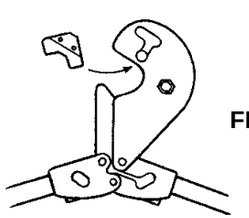

FIGURE 2

TOOL OPERATION:

- INSERT BARED CONDUCTOR INTO CONNECTOR.
- LOCATE CONNECTOR IN COMPRESSION POCKET SO THAT DIE IS BETWEEN COMPRESSION BANDS ON CONNECTOR.
- COMPLETELY CLOSE HANDLES. REPEAT OPERATION FOR CONNECTORS THAT REQUIRE MORE THAN ONE COMPRESSION.

TOOL MAINTENANCE:

LUBRICATE PIVOT PINS ONCE A MONTH WITH SAE 20 OR EQUIVALENT MACHINE OIL.

PA24517A01_ 03
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CT-720 INSTALLATION TOOL: MAINTENANCE AND INSPECTION INSTRUCTIONS

Maintenance and Inspection procedures should be performed at least once a month, whenever damage has occurred, or as often as operating conditions warrant.

VISUAL INSPECTION

1. Visually inspect tool for missing or loose pins and connecting hardware.
2. Visually inspect the installing dies for worn, chipped or cracked surfaces. Damaged dies are objectionable and may go undetected when gauging the die closure (see chart below).
3. If parts are missing or damaged, contact your local Panduit Sales Office for information on repair or replacement of tools.

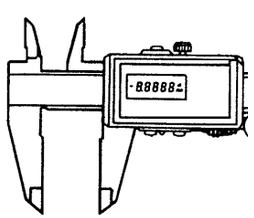
TOOL ADJUSTMENT

1. Insert die into recess and firmly tighten die retention screw.
2. Lay tool on flat surface and close handles until jaw just contacts die. Measure distance between grips as shown in Figure 1. This distance should measure between 10" and 13".
3. If distance is less than 10", turn adjustment screw clockwise; if more than 13", turn screw counterclockwise.

DIE CLOSURE GAUGING

NOTE: Die closure gauging requires a pair of precision calipers capable of accurately measuring inside pocket dimensions.

1. Clean the die surfaces before gauging.
2. Close handles until jaw and die are fully bottomed.
3. Using precision calipers, measure the die pocket (ensure the measurement is taken across the parallel surfaces of the die) as shown in Figure 3.



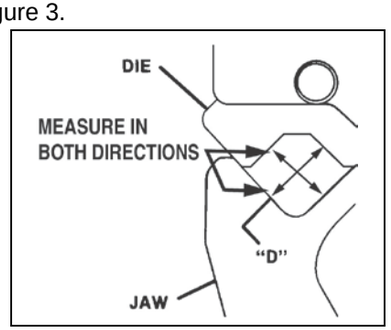


FIGURE 3

4. Compare the measured value to the CT-720 die closure range table on the right.
5. If the measured value falls into the specified range, the die closure is dimensionally correct. If the measured value is out of range, contact Panduit Tool Service Department at: 1-888-506-5400, ext. 83255.

LUBRICATION

1. Wipe tool and dies clean with a lint free cloth.
2. Lubricate pivot pins with SAE20 or equivalent machine oil.

CAUTION

Panduit tools CT-720-3CC and CT-720-7CC are equipped with a controlled cycle mechanism. Keep fingers clear of die closure during gauging procedure.

CT-720 DIE CLOSURE RANGE TABLE

DIE PART NUMBER	COLOR CODE & INDEX NUMBER	DIA. "D" MIN.- MAX.
CD-720-1	RED P21	.195 - .211
	BLUE P24	.224 - .240
	GREY P29	.254 - .271
	BROWN P33	.303 - .321
CD-720-2	GREEN P37	.344 - .364
	PINK P42	.393 - .413
	BLK/GLD P45	.412 - .433
	ORN/TAN P50	.479 - .502
CD-720-3	PUR/OLV P54	.522 - .545
	YEL/RBY P62	.574 - .599
CD-720-4	WHITE P66	.654 - .682
CD-720-5	RED P71	.692 - .720
CD-720-6	BLUE P76	.757 - .787
CD-720-7	BROWN P87	.885 - .919
CD-720PV8-2	RED PV8	.273 - .287
	BLUE PV6	.317 - .331
	YELLOW PV4	.381 - .395
	RED PV2	.464 - .479

CT-720 ACCESSORIES:

C-720	Metal Carrying Case
CC-720	Controlled Cycle Mechanism

PA24517A01_ 03
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