

Canon SERVICE REPORT

NO. R-5003E-1/2

DATE: January 20, 1975

ISSUED BY D. Takahashi
BUSINESS MACHINES SERVICE DEPT.
CANON INC.

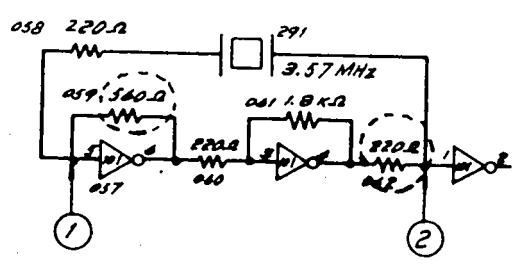
MODEL: Canola SX-100 & SX-300

220V, 240V & 115V

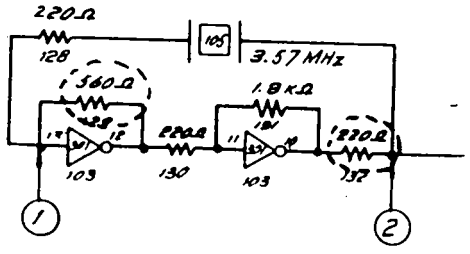
SUBJECT: Modification to stabilize oscillator circuit

Outline : It was found that the machines didn't work when frequency of crystal oscillator was changed from pre-set one. (3.57 MHz). Therefore, 2 resistors in oscillator circuit are changed to avoid above mentioned trouble.

Modification:
Changed resistors in oscillator circuit are as follows.

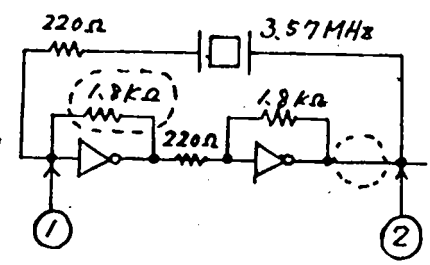


P. 10 in "REPAIR GUIDE 1" of Canola SX-100.



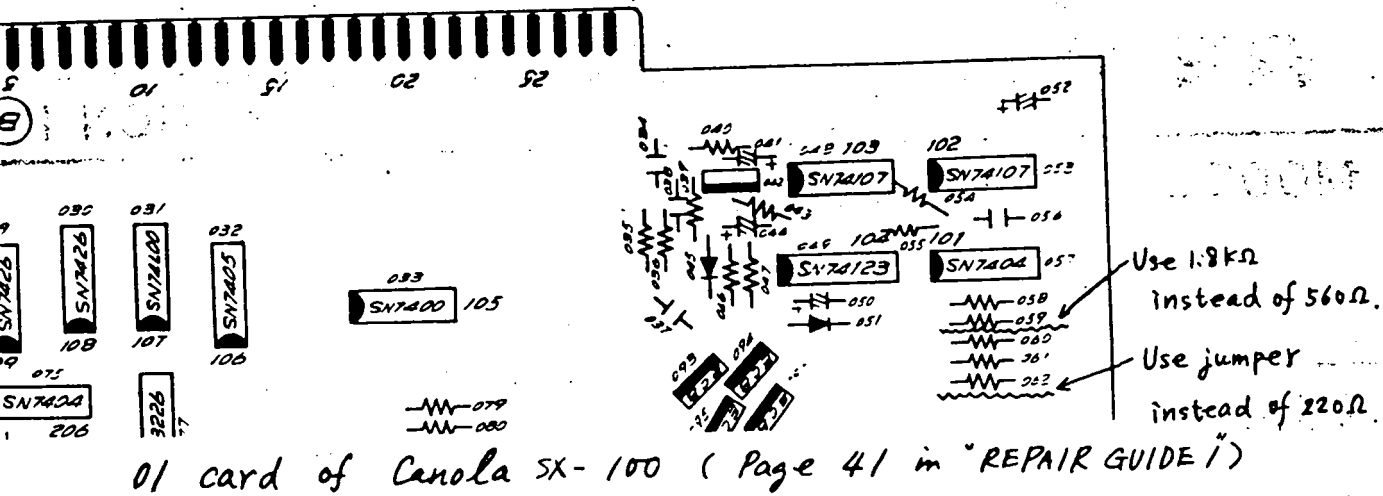
P. 10 in "REPAIR GUIDE" of Canola SX-300.

Original.

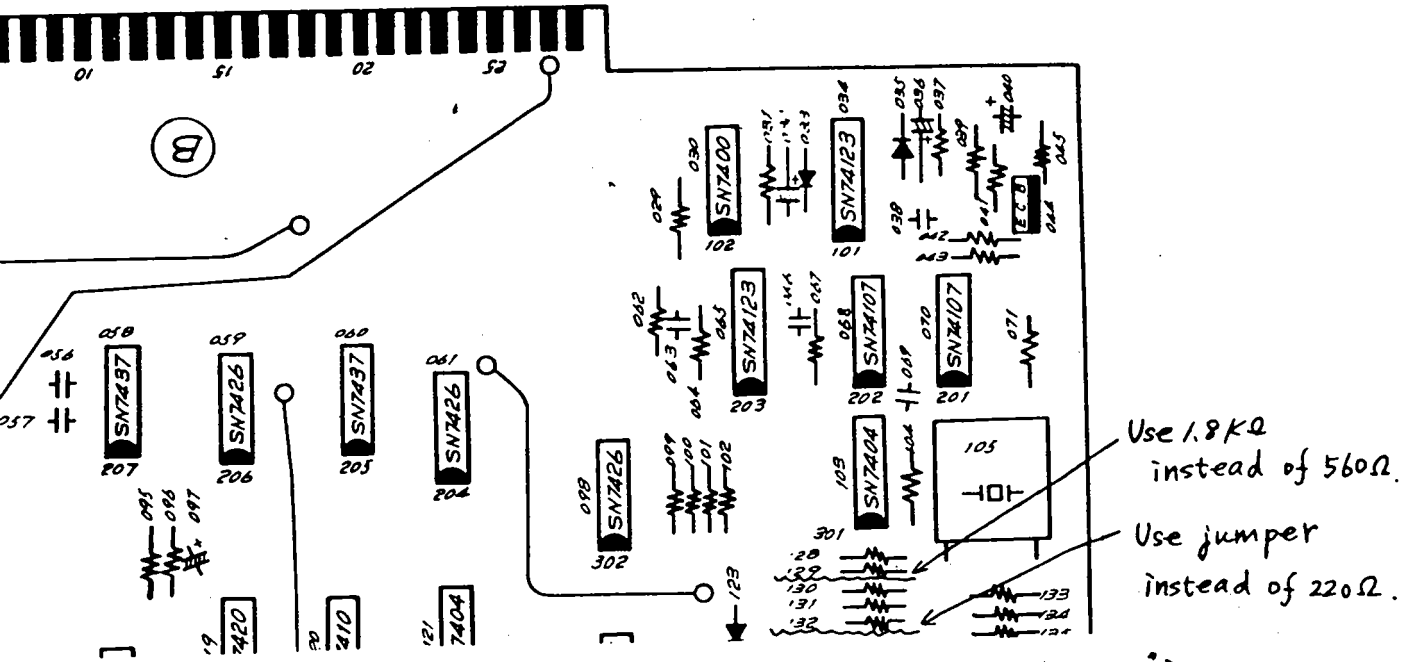


Modified

Positions of 2 resistors on 01 card are shown below.



01 card of Canola SX-100 (Page 41 in "REPAIR GUIDE")



01 card of Canola SX-300 (Page 41 in "REPAIR GUIDE")

Part Catalog:

Change these items in "Parts Catalog" on P.93 for SX-100 & p. 107 for SX-300.

PART NO.	Q'TY		DESCRIPTION
	ORIGINAL	MODIFIED	
X64-0627-01	1	0	CARBON RESISTOR, 560Ω T1/8W
X64-0829-01	2	3	" 1.8KΩ T1/8W
X64-0880-01	5	4	" 220Ω T1/8W

Canon SERVICE REPORT

NO. R-5017E-1/3
 DATE: February 10, 1975
 ISSUED BY [Signature]
 BUSINESS MACHINES SERVICE DEPT.
CANON INC.

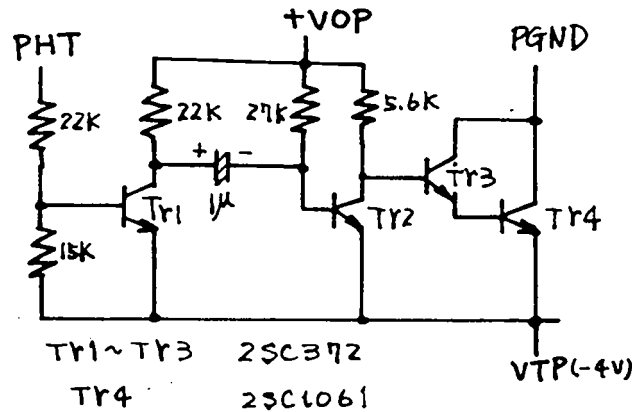
MODEL: Canola SX-100 & SX-300

220V, 240V & 115V

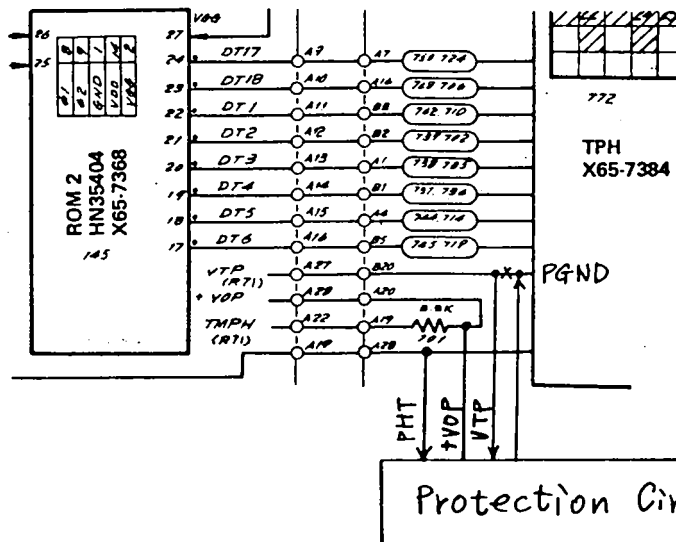
SUBJECT: Added "Protection Circuit" for thermal print head

Outline : It was found that a thermal print head might be broken when short circuit was made by accidental operation of a probe while repairing defective machines. Therefore, a "Sub-printed Board" for "Protection Circuit" is being added in a "Printer Unit" as shown below.

- Added "Protection Circuit"



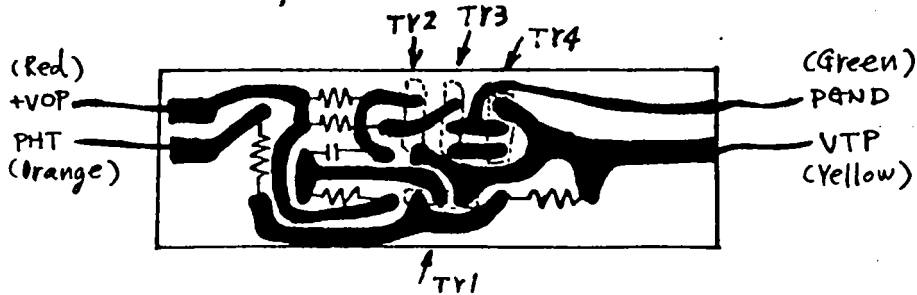
- Position of "Protection Circuit" in wiring diagram



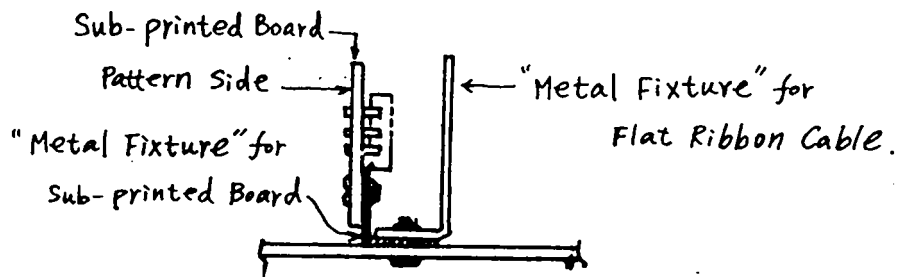
"REPAIR GUIDE" on P. 38 for SX-100 & SX-300.

IMPORTANT

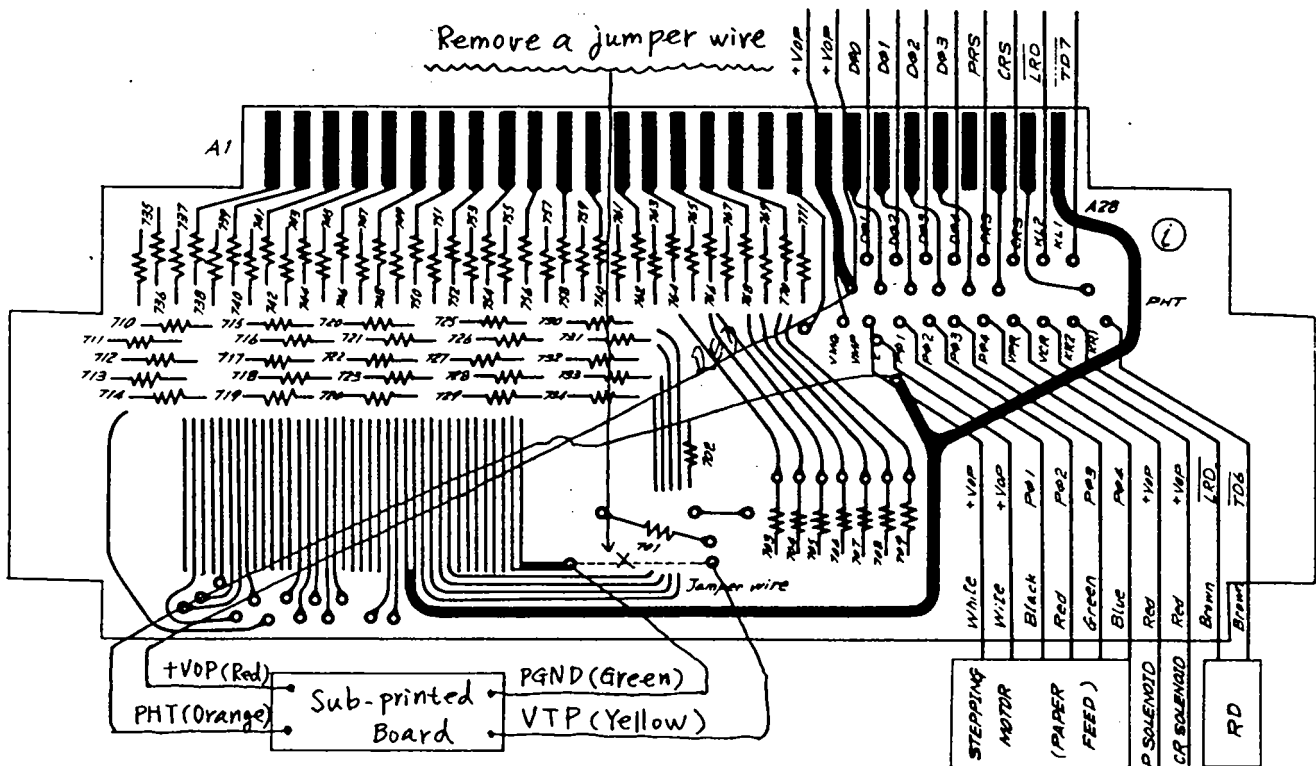
- A "Sub-printed Board" for "Protection Circuit"



- The attaching method of a "Sub-printed Board" is as follows.



N.B.) Attach a "Sub-printed Board" by adding a "metal fixture" on a "Printer Unit".



"REPAIR GUIDE" on P.44 for SX-100 & SX-300.

Part Catalog:

According to this "Sub-printed Board", following parts are added.

PART NO.	Q'TY	DESCRIPTION
* 88-3986-01	1	Sub-printed Board Unit
* 86-3861-01	1	Metal Fixture
* X62-8867-01	1	Tantalum Condenser, 25V 1uF
X64-0832-01	1	Carbon Resistor, 5,6K Ω 1/8W
X64-0860-01	1	" 15K Ω 1/8W
X64-0834-01	2	" 22K Ω 1/8W
X64-0669-01	1	" 27K Ω 1/8W
X65-6087-01	3	Transistor, 2SC 372
X65-6212-01	1	" 2SC 1061

* ... Denotes new parts.

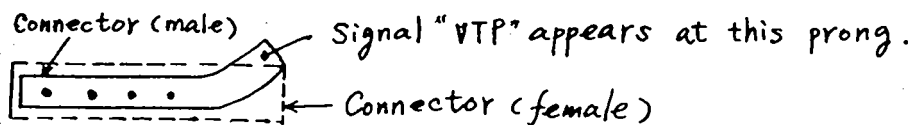
N.B.) Please notes that a "Metal Fixture" is not included in a "Flat Cable Unit." (Y80-1146-01)

Service Tips :

1, When defective machines which are not attached "Protection Circuit" will be repaired, be carefull not to damage a thermal print head by taking following matters.

① Remove a signal (VTP) from a connector.

or ② Do not connect a signal (VTP) at connector by bending male connector as shown below.



N.B.) The thermal print head does not print any data on tape when a signal "VTP" is removed, however, any other signals can be checked.

2, The shape of a "Metal Fixture" is as follows.

