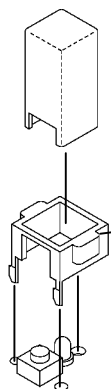


TEAC**TECHNICAL INFORMATION****TASCAM CD-302 / X-9, Base, BLT-IN LED**No. **0220**

DATE 29th November 2002

In rare cases, "Base, BLT-IN LED" comes off of PCB.

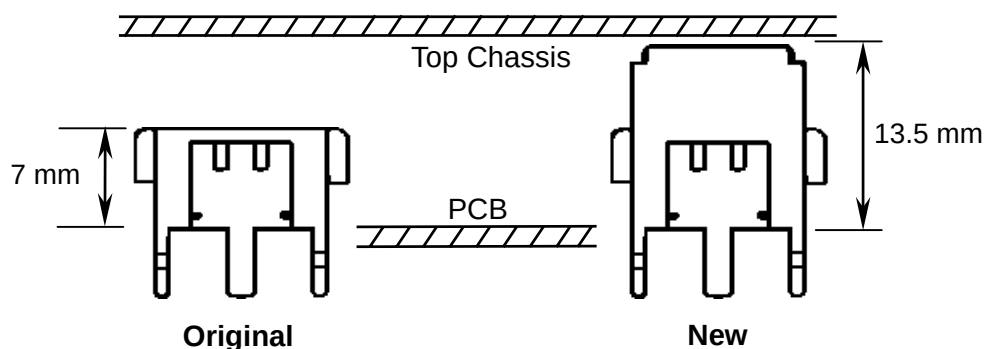
"Base, BLT-IN LED" is a base for a button mounted on the PCB as shown below.

**Base, BLT-IN LED**

X-9: Ref 1-31 (totally 20 pcs)

CD-302: Ref 1-20 and page 14 with no Ref No. (totally 30 pcs)

With the new "Base, BLT-IN LED", its height has been increased to fill up the space between the top chassis.



Original	New
Base, BLT-IN LED	Base, BLT-IN LED (13.5)
P/No. 92602994-00	P/No. 92603960-00

The new "Base, BLT-IN LED" has been mounted on the following products:

CD-302 S/No. 2700001 and higher

X-9 S/No. 2700001 and higher

TEAC**TECHNICAL INFORMATION****TASCAM X-9, EXT EFFECT Noise**No. **0331**

DATE 05th August 2003

Symptom: Hi-pitched digital noise is heard when MIC or MST is selected to EXT EFFECT mode (EXT EFFECT button lights up) by EFFECT IN rotary switch.

Solution: Following hardware changes are needed on DSP and Main PCB Assy.

** Following retrofit hardware change is applied to products of up to S/No. 2399999.*

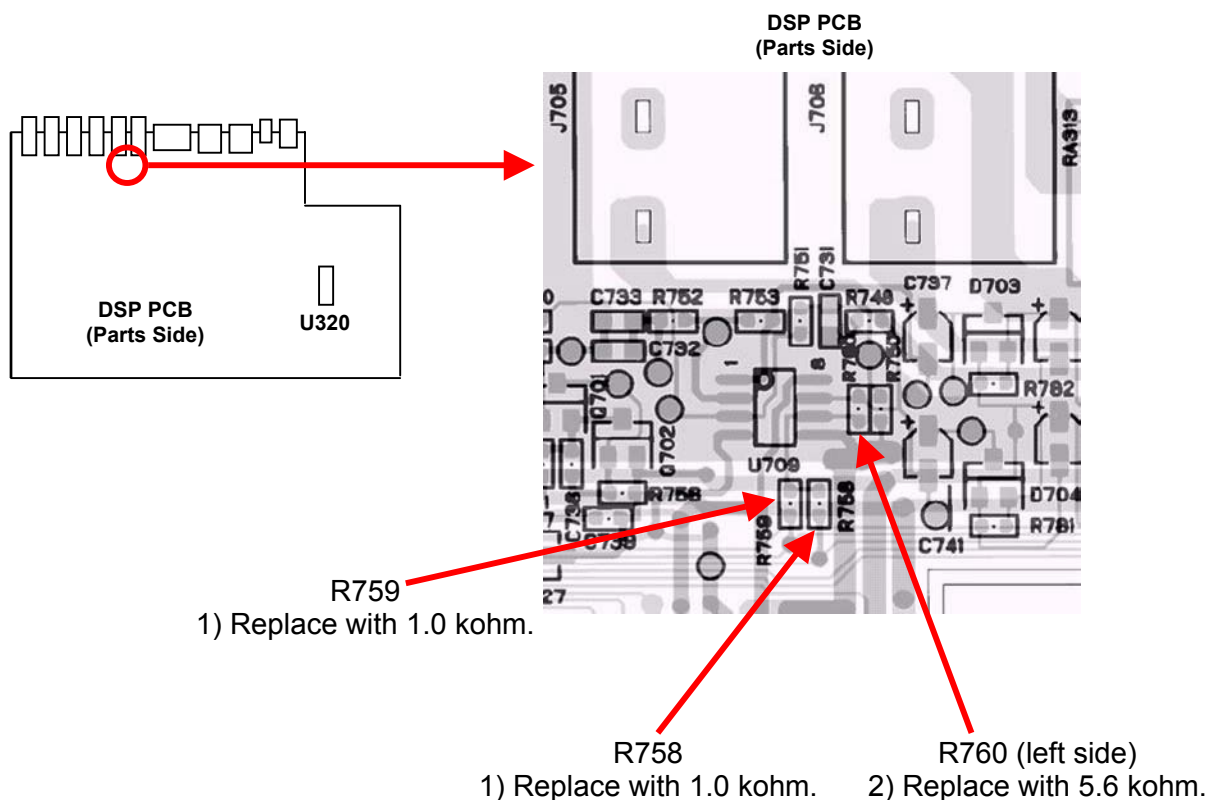
** All products of S/No. 2400001 and after have been solved by another method from the production. Details are introduced by Tech Info No. 0332.*

Required Parts

2 pcs	1.0 kohm Chip Resistor	P/No. 91132730-30
1 pce	5.6 kohm Chip Resistor	P/No. 91132910-30
2 pcs	2.4 kohm Chip Resistor	P/No. 91133694-30
1 pce	Wire Kit (X9)	P/No. V001135-00A
	1 pce	Wire Assy A (X9) (Shielded Wire, Blue)
	1 pce	Wire Assy B (X9) (Shielded Wire, Gray)
	1 pce	Wire C (X9) (Jumper Wire, 150 mm)

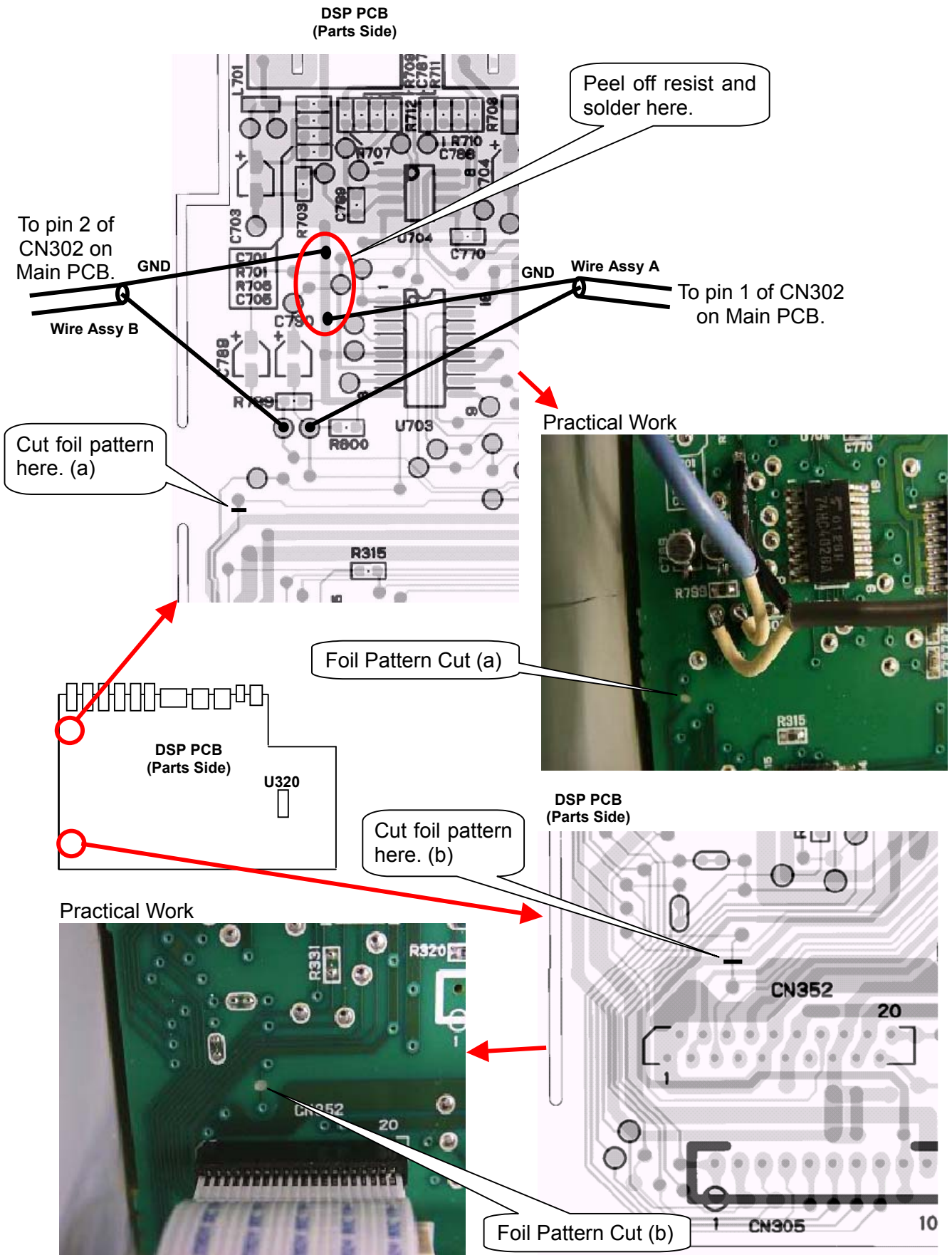
On DSP PCB

- 1) Replace two R758/759 (33 kohm) resistors with 1.0 kohm (P/No. 91132730-30).
- 2) Replace a R760 (150 kohm) resistor with 5.6 kohm (P/No. 91132910-30).



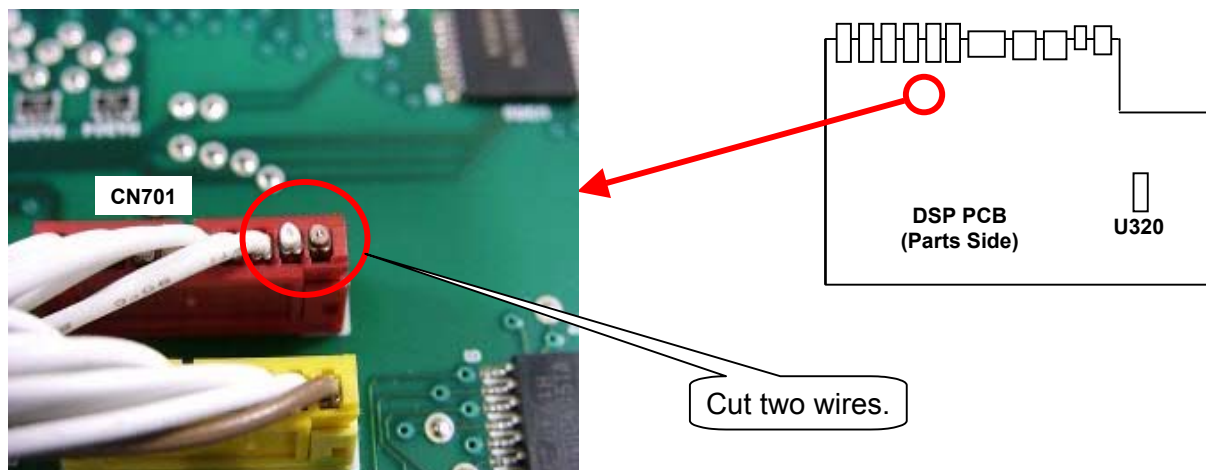
On DSP PCB

- 3) Cut two portions, (a) and (b), of PCB foil pattern as shown below.
- 4) Solder two shielded wires, Wire Assy A and B as shown below.



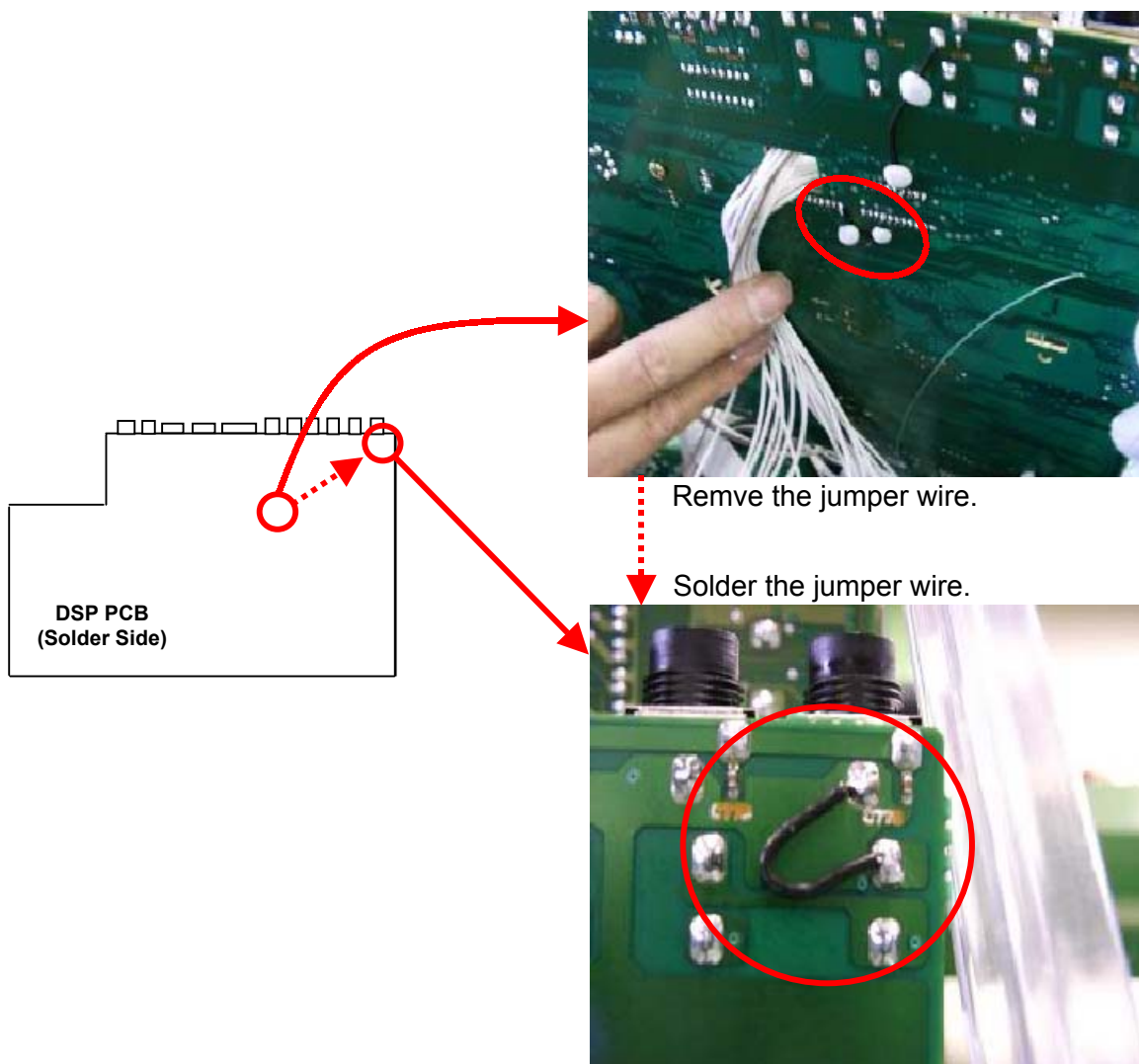
On DSP PCB

5) Cut two wire of pin 1 and 2 of CN701 as shown below.



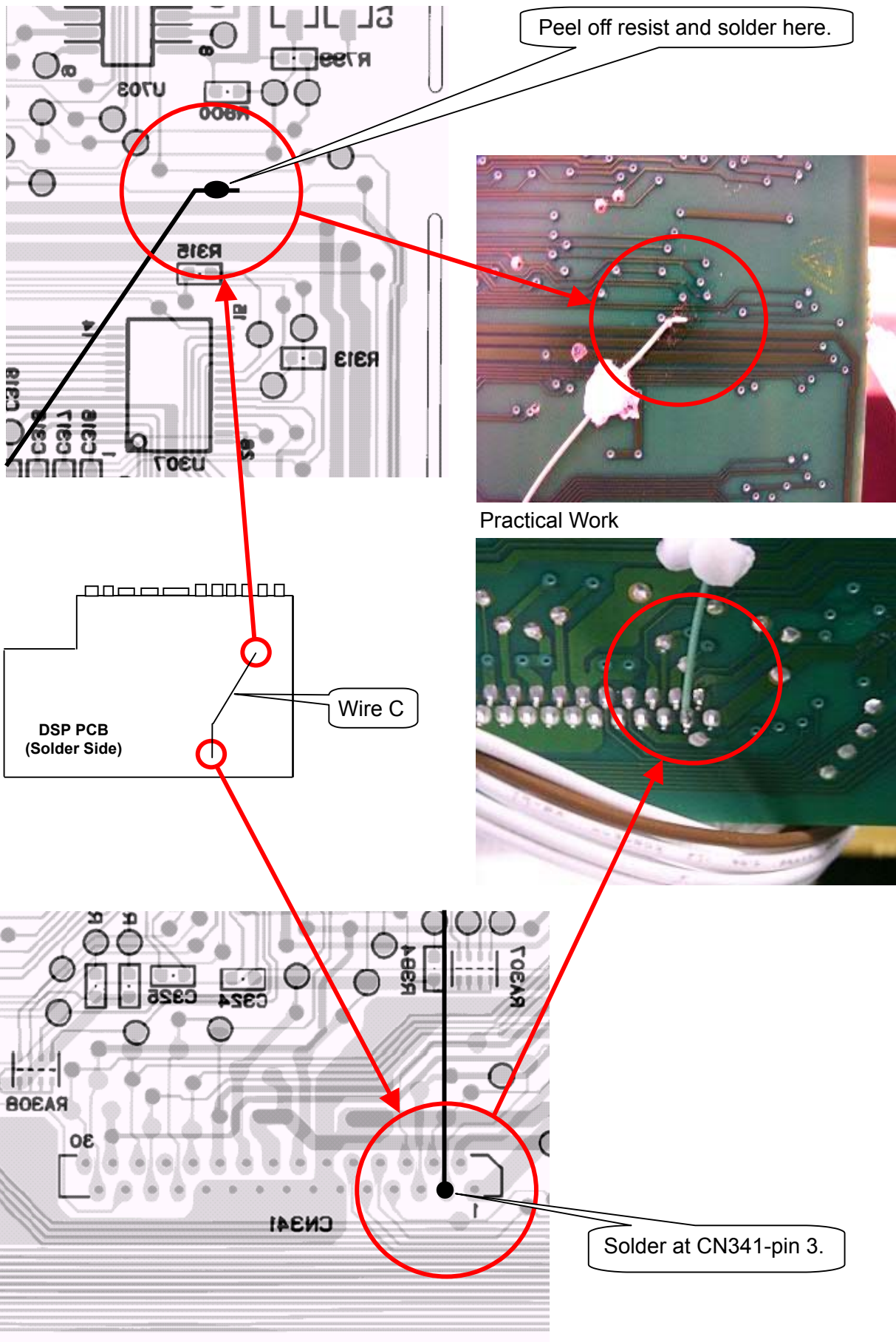
6) Remove a jumper wire connected across CN701-pin7 and CN704-pin1 as shown below.

7) Solder the jumper wire removed in 6) as shown below.



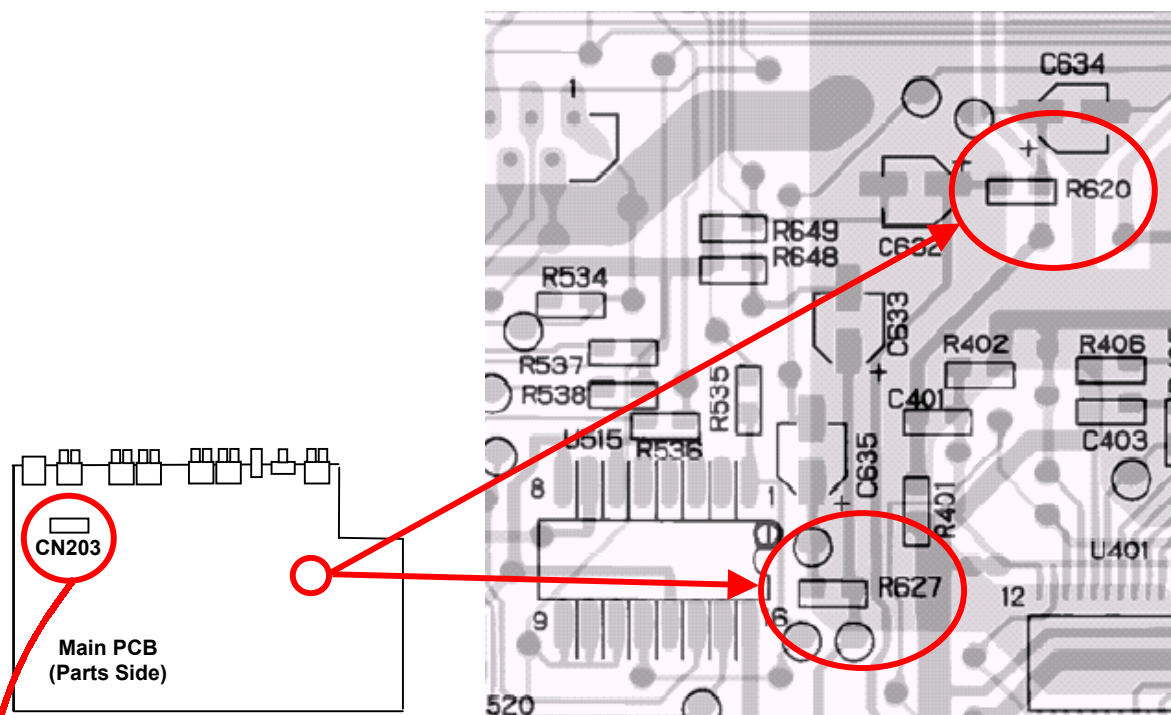
On DSP PCB

8) Solder a jumper wire, Wire C, wire as shown below.

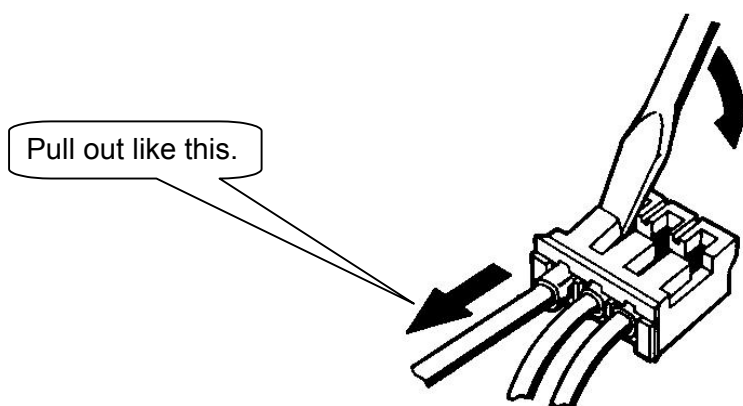


On Main PCB

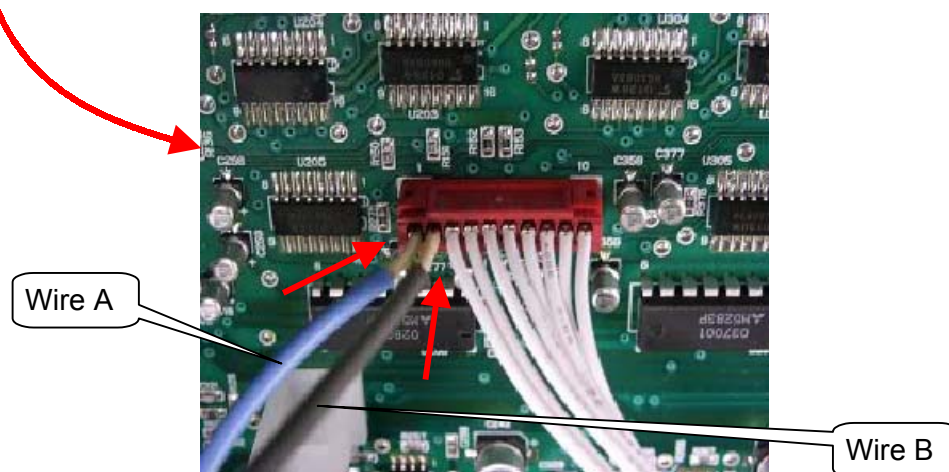
1) Replace two R620/627 (47 kohm) resistors with 2.4 kohm (P/No. 91133694-30).



2) Pull out two wires of CN203-pin 1 and 2 by releasing a lock carefully as shown below.



3) Insert Wire A (Blue) from DSP PCB into CN203-pin1, and Insert Wire B (Gray) from DSP PCB into CN203-pin2 as shown below.





TECHNICAL INFORMATION

TASCAM X-9, Change of Main/DSP PCB Assy

No. **0332**

DATE 05th August 2003

The Main PCB Assy, DSP PCB Assy and Wire Assy has been changed simultaneously on the products, S/N 2400001 and after as shown below to solve the hi-pitched digital noise introduced by Tech Info 0331.

	Original	New	Remark
Gather PCB Assy, Main -- Main PCB Assy * 1 -- Phone PCB Assy * 1	91453660-00	91453660-01	Incompatible
Gather PCB Assy, DSP -- DSP PCB Assy * 1	91453670-00 * Up to 91553670-04 is printed on DSP PCB.	91453670-01 * 91553670-05 is printed on DSP PCB. .	Incompatible
Wire Assy, WA5 10P	91071462-00	91071462-01	Incompatible

* Phone PCB Assy included in the new "Gather PCB Assy, Main" has no change.

* Only new "Gather PCB Assy, Main" and "Gather PCB Assy, DSP" (-01) are supplied as spare parts.

It is no problem to replace all new 3 parts listed above at the same time. The individual Main PCB Assy and DSP PCB Assy are not interchangeable in the products up to S/No. 2399999 as explained in Tech Info 0331. The following works are needed for the individual change.

* Required changes when original PCB is replaced with new one.

	Required Change (The following changes have been introduced by Tech Info No. 0331. See the Tech Info.)
Original Main PCB Assy is replaced with new one.	<u>On new Main PCB Assy</u> Work 2) and 3) of Main PCB Assy in Tech Info 0331 must be carried out. <u>On original DSP PCB Assy</u> All work, 1) to 8), of DSP PCB Assy in Tech Info 0331 must be carried out.
Original DSP PCB Assy is changed with new one.	<u>On original Main PCB Assy</u> Work 1) of Main PCB Assy in Tech Info 0331 must be carried out. <u>Others</u> Provide the new Wire Assy, WA5 10P (P/N 91071462-01) and connect it across Main PCB-CN203 (10 Pins) and DSP PCB-CN701 (10 Pins, used only 8 pins.) and CN705 (4 Pins).