Kjeller: 30. mars 1984

Information No: 840330

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Service Information

Product: **TPT 3001**

Unstable decoder circuit

Some brands of transistors make the decoder circuit unstable, BC 559 B in position Q605/Q606 and BC 549 C in position Q607/Q608.

The circuit is therefore changed from serial No. 02300:

Q607 and Q608 are removed.
C605 and C606 are removed.
R621 and R622 are shorted.

Kjeller: 17th June 1983 Information No: 830617

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Service Information

Product: TPT 3001

MODIFICATIONS

Introduced from serial No.	Symptom	Modification
0400	More safe programming	Tuning system 2: Cut foil and solder pin 11 on U1003 to ground.
	The pre-set dial circuit interferes on the AFC pin 10 U1002	Tuning system 1: Solder a wire from R931 to R924 and cut foil to P1001.
	Blocking of tune muting.	Tuning system 1: Change R946 to 4.7 K ohm and R948/R951 to 1.8 K ohm.
	Noisy transistor, Q504 might be damaged when power on.	Stereo decoder: Q504 (BC 559 B) must changed to BC 490 B.
	Deviating frequency on the Preset dial.	Tuning system 1: Change R936 to 5.6K ohm, R940 to 18K ohm and R938 to 2.5K ohm potentiometer CR911 is to be shorted by a wire. Adjust R938 for pointer deflection on the Tuning/Frequency meter, higher dial.
850	Deviation in mute and Signal meter when heated	Main board: Q401 and Q403 have to be from same manufacturer as Q402 and Q404 (not from Siemens).
900	Transistors from Siemens oscillates	Stereo decoder: Change Q605 and Q606 to another supplier or use a ferrite bead on the base.
1058	Improve signal to noise hum at 87.5 MHz to 90 MHz	Front end: Change C141 to 10 uF low noise and R114 to 1.8K ohm. Main board: Change R782 to 1K ohm.
1076	Increased sensitivity for switching from pre-set manual tuning (Tuning sense circuit).	Main board, remove the following components: R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, U702, C710, C711, C712, C713, C714, C715, C716, CR706, CR707, CR708, CR709, CR710. Connect a 16 pins IC-socket instead of U702 and plug in a new PC-board, part No. 997005, faced to the limiter box (turned away from the flywheel). Solder the wire on the PC-board to the flat spring close to the flywheel.

Tor Andresen (sign.)
Product Manager

Kjeller: 26th January 1983 Information No: 830126

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Service Information

Product: TPT 3001 / TPT 3011

When changing muting IC, MC3302, the following components should also be changed to eliminate blocking, caused by variations in component specification.

TPT 3001

Increase the value of R713 and R714 from 22 ohms to 47 ohms.
Decrease the value of R712 from 1 Mohm to 100 kohms.

TPT 3011

Increase the value of R361 and R362 from 33 ohms to 47 ohms.
Decrease the value of R358 from 1 Mohm to 100 kohms.

Tor Andresen (sign.)
Product Manager

Kjeller: 19th January 1982 Information No: 820118

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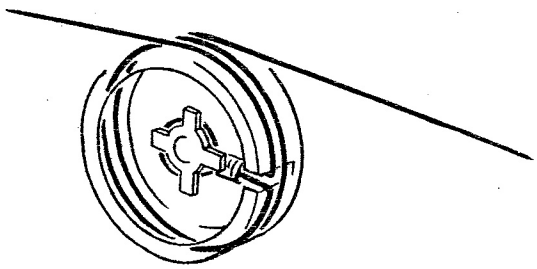
Service Information

Product: TPT 3001 / TPT 3011

New dial pointer drive cord

To avoid problems related to the fixing of the dial pointer drive cord, reported from various markets, the following change must be made:

1. Change the cord mounting drawing in the service manual paragraph 1.2 according to new drawing. (Below)
2. Remove old dial pointer drive cord.
3. Mount the new cord according to drawing.
4. Mount the dial pointer according to paragraph 1.2 of the service manual.
5. Position the pointer and realign tuner dial according to service manual page 9, figure 11.
6. The new cord may be ordered from Tandberg A/S' Service Department on Part No. 997004



Tor Andresen

Kjeller: 25th February 1982 Information No: 820225

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Service Information

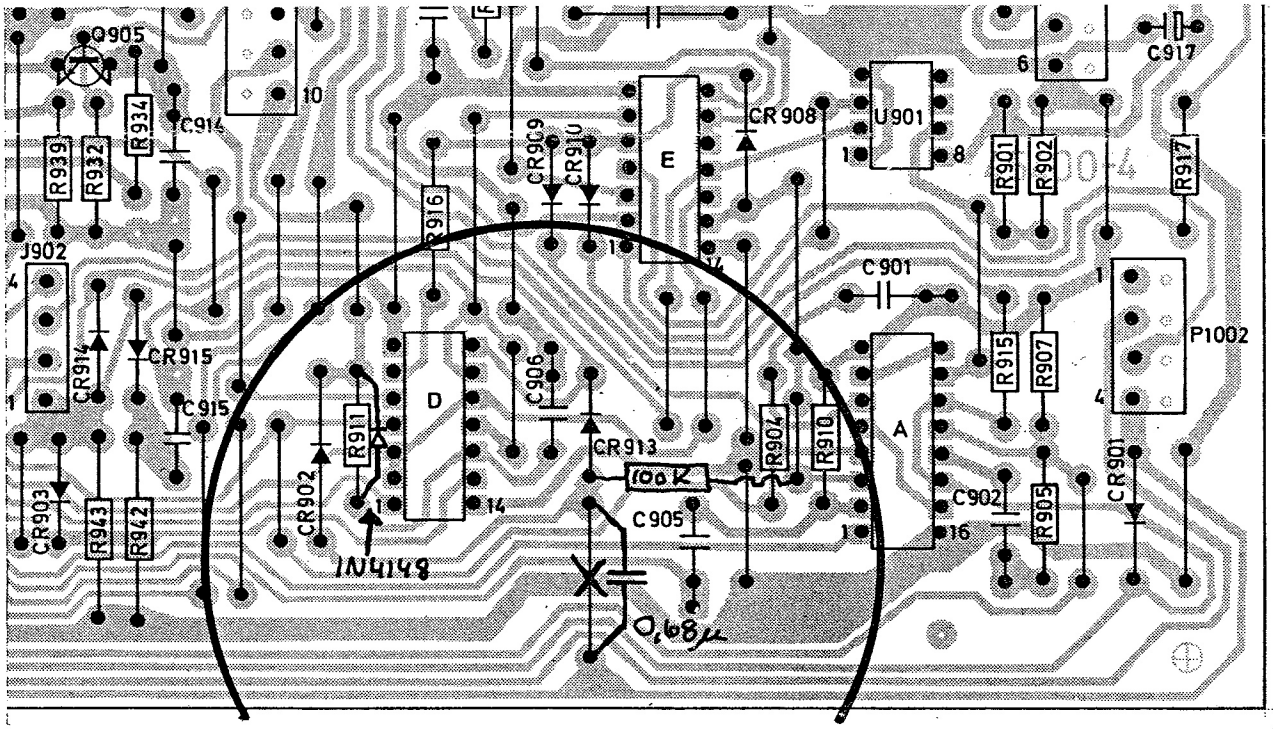
Product: TPT 3001 / TPT 3011

Symtom: Programme loss, continuous search.

Cause : Replace strap facing anode of CR 913 with a condenser 0,68 µF 100V foil part No. 282064 (15 mm between component legs).

Insert a 1/3W 100 kohms resistor between the anodes of CR 908 and CR 913, part No. 280944.

Insert diode 1N4148 parallell to R 911, the anode side facing pin 12 of U 905, part No. 247007.



Part of tuning system 1, PC board seen from the solder side.

Per Brændshøi / Tor Andresen

Kjeller: March 22nd, 1984 Information No: 840322

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Service Information

Product: TPT 3001 - TPT 3001A - TPT 3011 - TPT 3011A

In order to facilitate service on tuning boards 1 and 2 an exchange/repair system will be established.

If tuningboard 1 and 2 are sent our service department for exchange/repair price is NOK 300,-.

Part No. for both boards is 997006

TPT 3011 - TPT 3011A

The manufacturer of the op.amp. HA1201 & UA703 Hc has ceased producing them and no direct replacement exists.

To overcome this problem they will be replaced by a discrete component solution on a small PC board, to be mounted on to the main PC board. Part no. for this new assembly is 997007

A detailed installation instruction is packed with each PC board.

Best regards

Tor Andresen

Tor Andresen
Product Manager

Kjeller: 4. April 1984

Information No: 840404

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Service Information

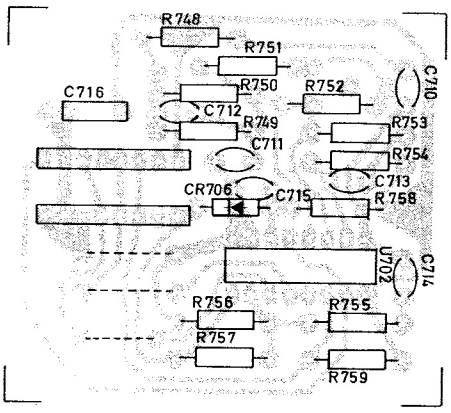
Product: **TPT 3001**

Tuning sense circuit (touch sense circuit)

These modifications give increased sensitivity for switching from pre-set to manual tuning and are less sensitive for temperature variations.

1. Receivers with serial No. up to 01076.

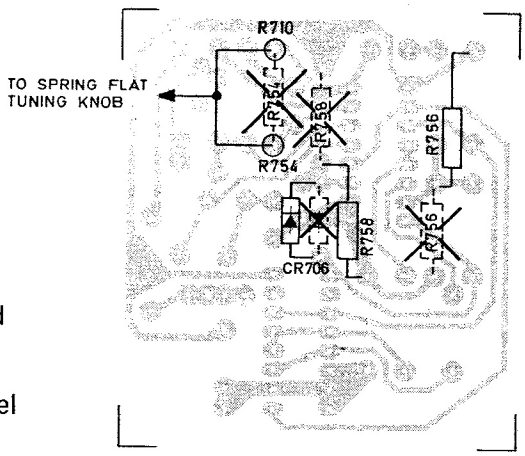
   See information No. 830617 (Main board, plug in a new pc-board, part No. 997005).



Touch sense board, component side

In addition to the previous modification we will also recommend that you do the following modification on the tuning sense board as shown in the figure. This modification makes the receiver less sensitive for external radiation fields.

- CR706 is turned in opposite direction
- R756 and R758 are connected as shown in the figure
- R754 is replaced with 2 pcs. of 330 kohms and a wire is soldered to the center of the two 330 kohms. The other end of the wire is connected to the flat spring behind the flywheel on the tuning knob.

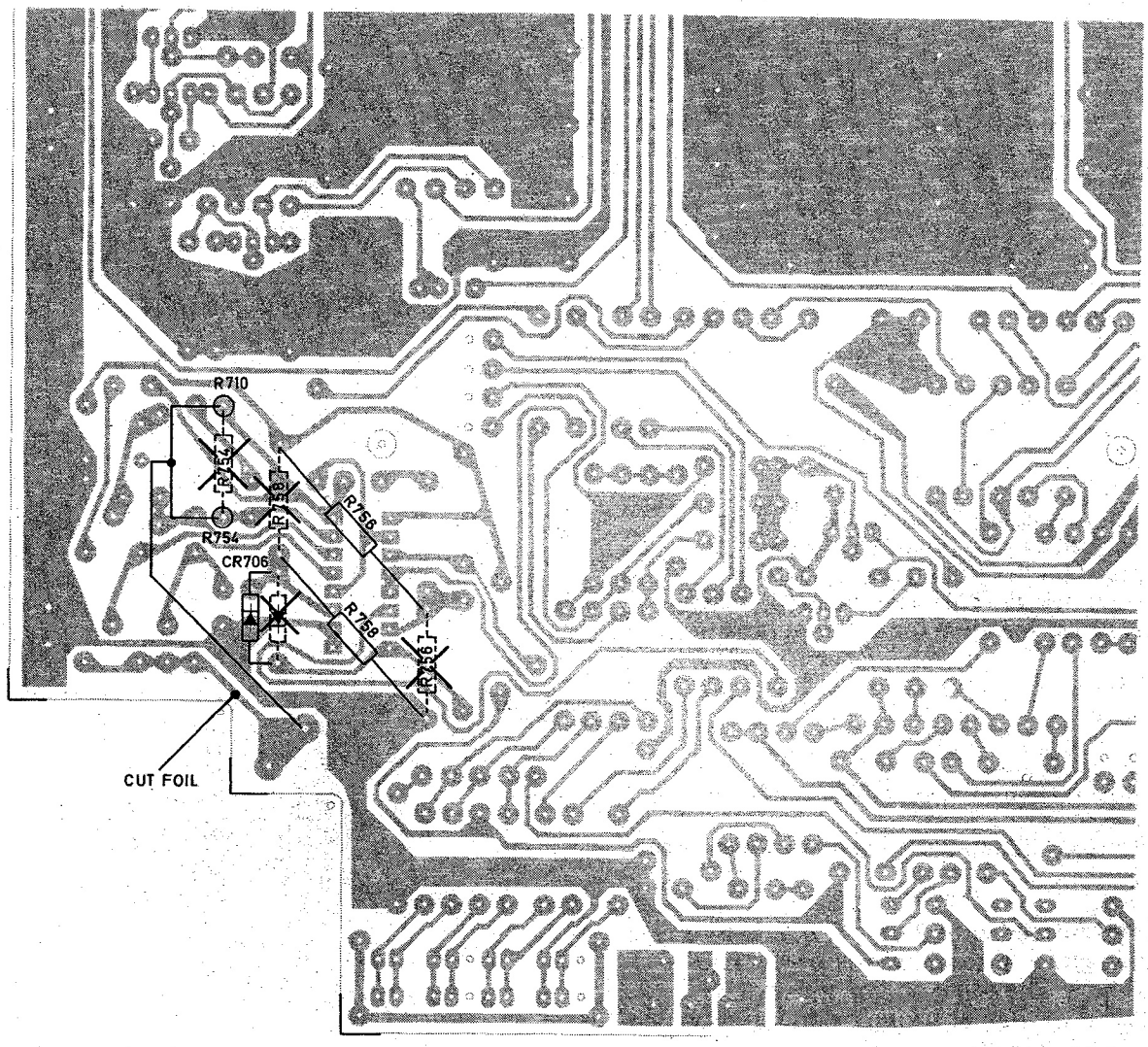


Touch sense board, component side

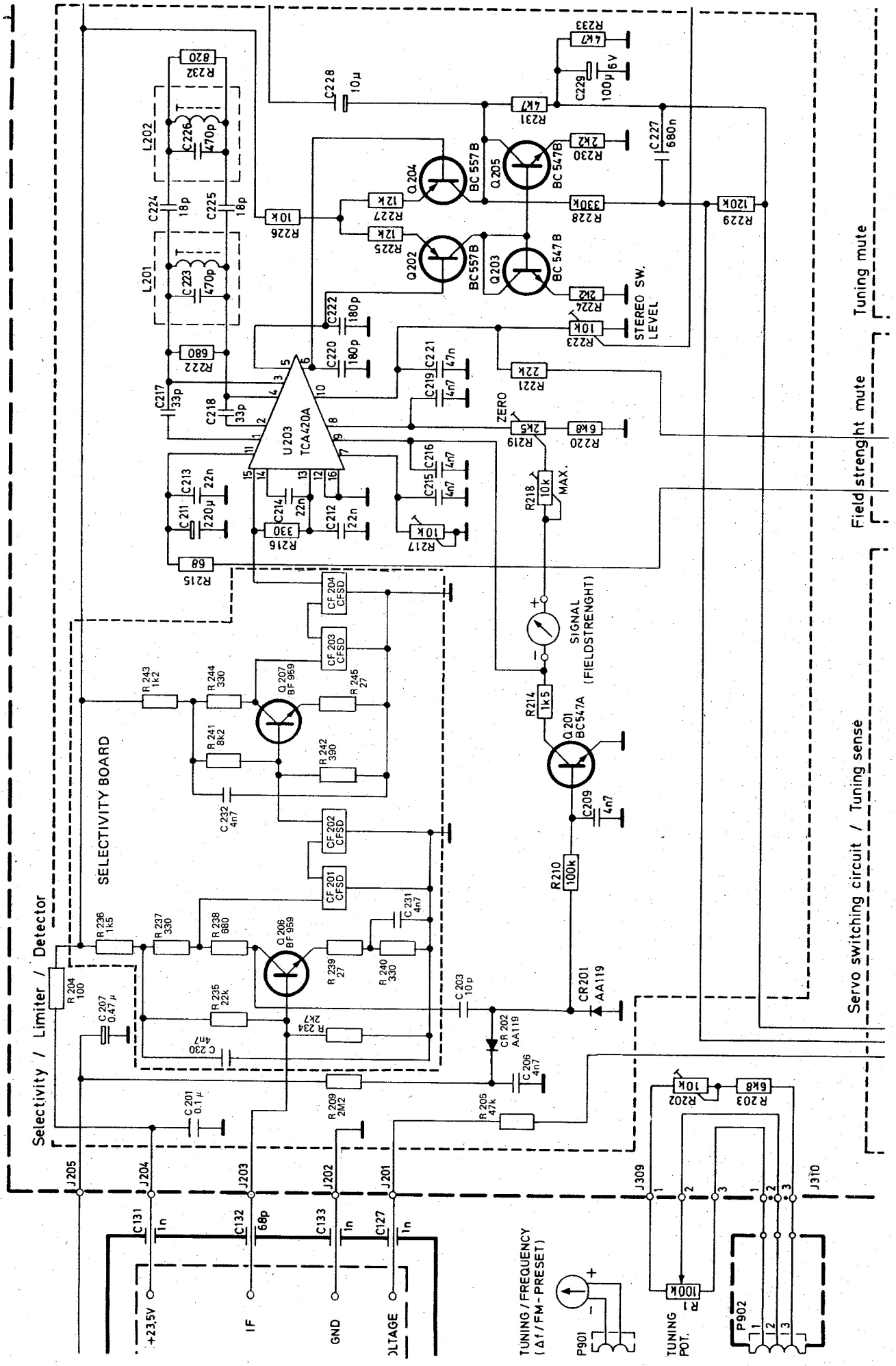
2. This modification also makes the receiver less sensitive for external radiation fields.

On receivers with serial No. from 01077 to 01691 the following modifications should be carried out:

- CR706 is turned in opposite direction
- R749, change the value to 47 kohm
- R750, change the value to 1 Mohm
- R751, change the value to 1 Mohm
- R752, change the value to 820 kohm
- R753, change the value to 680 kohm
- R755, change the value to 330 kohm
- R754 is replaced with 2 pcs. of 330 kohms and a wire is soldered to the center of the two 330 kohms. The other end of the wire is connected to the flat spring behind the flywheel on the tuning knob and the foil is cut as shown in the figure.



Part of main board, component side



Part of main circuit diagram with the new selectivity circuit