

Kjeller: 18th January 1982 Information No:820115

Tandberg A/S
Fetveien 1,
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Postal address
P.O. Box 53
N-2007 Kjeller, Norway

Product: TCD 3004

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Telex
71886 TAND N
Cables
TANRA-OSLO

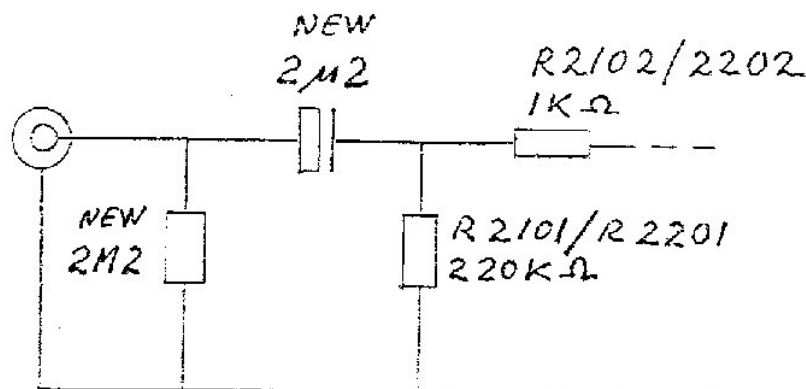
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Service Information

Click-noise at operation.

When connected to some types of preamps or receivers, click-noise may occur when some buttons on the preamp/receiver are operated.

This problem is solved by connecting a 2,2 micro farad electrolytic capacitor and a 2,2 megaohm resistor to the "record" cinch sockets as shown in the diagram:



This solution will be introduced on the production line in January 1982.

Erik Hardeng / Roger Jensen

EH/RJ/bf

Kjeller: 14th April 1982

Information No: 820413

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Service Information

Symptom: Damaged tape.
Cause: Too hot cores on erase head.
Modification: Change following on ass. No. 7:

R 1508 to 4,7 kohms
R 1511 to 4,7 kohms
R 1509 to 180 ohms
R 1510 to 180 ohms
R 1516 to 560 ohms

Result: Oscillator frequency will then change from 85 kHz to approx. 81 kHz. Voltage over erase head will be reduced from approx. 8,4 volts and the temperature on the head front will sink by 30 centigrades. The erasure will remain about 80 dB on metal tapes.

This modification is introduced from serial No. 166 00922.

Roger Jensen

Kjeller: 15th April 1982

Information No: 820414

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Service Information

Symptom: High take up tension in play and record.

Modification: On ass. No. 9 change R 1715 to 47 kohms
and insert a 100 kohms resistor in the
free position.

Result: The tape tension will be reduced from
appr. 85-90 gr.cm to 55-60 gr.cm.

This modification is introduced from serial No.166 00922.

Roger Jensen

Kjeller: 13th May 1982

Information No: 820513

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Service Information

NOTICE OF CHANGE IN PREVIOUS SERVICE INFORMATION

Service Information No. 820225

Due to varying specs for the IC's used, the following changes must be done to the above mentioned Service Information:

The value of the introduced capacitor must be changed from 0,68 μ F to 2,2 μ F, and the value of the resistor from 100 kohms to 22 kohms.

Please make these changes in your Service Information 820225.

Service Information No. 820414

Please read:

Modification: On ass.No. 9 change R 1715 to 47 kohms and insert a 100 kohms resistor in the free position, R 1716.

Tor Andresen / Roger Jensen
(sign.) (sign.)

Kjeller: 1st June 1983

Information No. 30601

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MODIFICATIONS.

From serial No. 16600 -	Symptom	Modification
200	Low frequency noise	A4 board: R732/R832, change to 680 kohm R733/R833, change to 1 kohm
350	Head bridge moves from release when power off.	A10 board: See processor diagram page 27. in the Service Manual. Additional circuit from serial No. 350
810	Intermittent Tape Counter 1)	A7 board: Replace the board with the new type.
893		New Dolby NR * circuits LM1111. The boards A1, A3 and A4 are replaced from the factory.
922	Reduce heat in the erase head 1)	A7 board: R1516 change to 560 ohm R1509/R1510 change to 120 ohm R1508/R1511 change to 4,7 kohm Oscillator voltage: Approx. 7V Oscillator frequency: 80-84 kHz.
	Reduce take-up tension 1)	A9 board: R1715 change to 47 kohm 2) R1716 change to 100 kohm Take-up tension: Approx. 60 gr/cm
1125	Distortion 2nd harmonic 1) Only from serial No. 893 to 1125	A1 board: C123/223 change to 47uF electrolytic A3 board: C518/C618 change to 47uF electrolytic

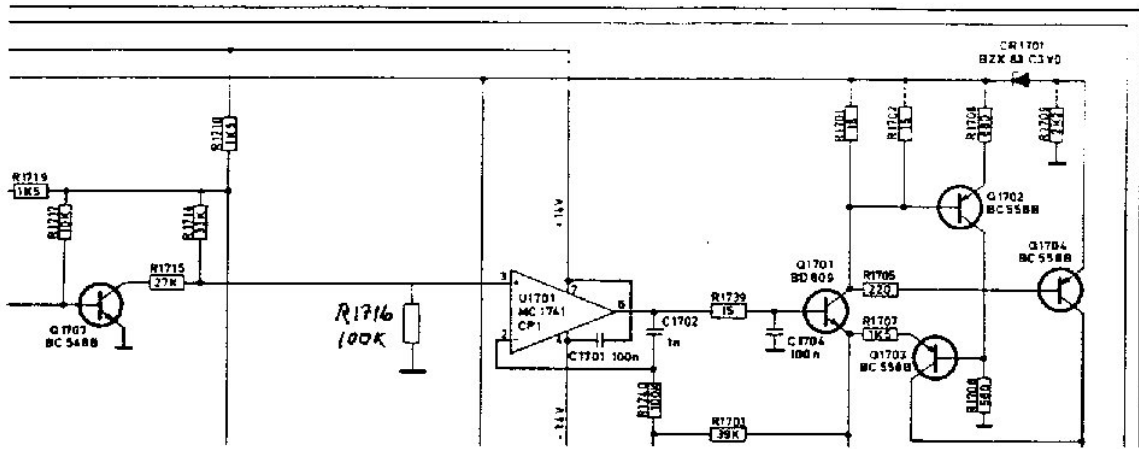
1) We recommend those changes to be done on all units at service.

2) See separate diagram

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Service Information



Part of assembly no. 9

Bjørn Solberg
Sign.