TANDBERG PRODUCT BULLETIN

CENTRE DU MAGNETOPHONE DE MTL 6592 BOUL. ST-LAURENT MONTREAL, QUE H2S 3 C 6

RECUL ED MAR - 8 1978

MODEL:TCD .330/ TCD 310 MK 11	REASON FOR CHANGE: . Tape . path . problems
THE CHANGE IMPLIES: Delivered equipment	Design improvement Custom modification Supply difficulties Production adaption Standardization Correction of drawing Other.
E.O.No	lification No.: or New Part No.:
Symtoms: 1: Wrinkling t 2: Intermitten 3: 4: Following modi out. 1. Change R33 This will to 55 gr/cm 2. If the rec Remove spin old type s supply mot 3. Carfully as	LEMS ON MOD. TCD 330 and TCD 310MK11. the tape (eating tape). tpoor tape/head contact. loss of high frequency. poor or no erase. fication and adjustment should be carried from 3.9konm to 2.7kohm. increase the take-up tension from 35 gr/cm (This regards only mod.TCD330) order is equiped with clutch: indle with clutch on supply motor and instal pindle. Also put the counter belt back on or. (The old type belt should be used) djust the azimuth and zenith of both pinch- relation to the capstan shaft. t the height of playbackhead and erasehead

PRODUCT BULLETIN

Page 2 of 2.

- 4. Adjust the exentric shaft until both pinch rollers engage the capstans at the same time.
- 5. Test the tape path by using test cassett no.29.

 Do as following:
 Set the recorder in playback with cassett no.29.
 feed the tape on the supply side(by use of your fingers)
 You will now have a minimum of holdback tension and
 observe as the tape runs through, you should now have
 a stable tape run without wrinkling of the tape.
 Minor adjustment should be made on left pinchroller
 (azimuth) if the tape does not run smooth.

Note: .TCD 330.

From ser.no.4181027 R331 has been changed from 3.9k to 2.7k.

Note: TCD 310MK11 From ser.no.4424992 the clutch has been removed.

The tape recorder lab. is still working on this problems to find an final solution.
We will keep you informed.

TANDBERG PRODUCT BULLETIN

Model: TCD 330

Serial No./Production date/Code identification:

Prepared by: Prod. lab. 10. Lagesen.

Bulletin No.: 53

Date: Nov. 25. 1976.

Reference:

Wow Reducing Efforts.

There were no special problems in keeping the wow-limits during the control production, but a lot of the capstan-motors (HU 443AG) were rejected because of noise, and we prefered to start the main series with the TCD 310 motor (4ZSC 15U02P).

However, we soon got problems in keeping the specified wow-limits on a large number of units. The wow was also very much depending on the cassette quality.

From serial no. 4171863 the following changes have been introduced in the production with good results:

For 115V-units item 1 (motor) was introduced from ser.no. 4172800.

- 1. Motor HU 443 AG part no. 283767 has been introduced, but with rubber suspension to reduce noise.

 Service device
- 2. Flywheel with greater movement inertia

Part no. 994111

- 3 Belts have been sorted out with regard to wow.
- 4. The erase head has got a different profile. -> Part no. 994161

These changes can be introduced on all units.

A great number of the units with ser. no. below 4171863 have already been altered with regard to above points 1-4.

NB. We do not recommend that the motor is changed for rubber suspension as this will have to introduce changes on the mounting plate.

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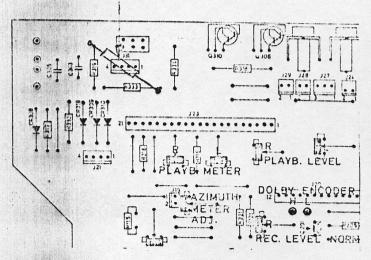
PRODUCT BULLETIN

CENTRE DU MAGNETOPHONE DE MIL. 6592 BOUL, ST-LAURENT MONTREAL, OUE H2S 3 C 6

MODEL: .TCP. 339	REASON FOR CHANGE: Tape, path, problems
THE CHANGE IMPLIES:	Design improvement
	Custom modification
Delivered equipment	
Future deliveries	
Spare parts stock	
Spare part compability	
Manual	
Other	
	ew Modification No.: or New Part No.:
problems on TCD 33	Additional informations regarding tape path O. Please refer to Product Bulletin No. 71.
In addition to mod	ifications described in Product Bulletin No. 71
the following chan	ges is carried out on TCD 330:
Modification: Intr	ges is carried out on TCD 330: coduction of back-tention on supply motor: stor l kOhms, 2 W is connected as shown in
Modification: Intr Resi fig. All modifications carried out from S modified from ship	ges is carried out on TCD 330: coduction of back-tention on supply motor: stor l kOhms, 2 W is connected as shown in
Modification: Intraction Resifig. All modifications carried out from Smodified from ship are marked with T Because of deliver	ges is carried out on TCD 330: coduction of back-tention on supply motor: stor 1 kOhms, ½ W is connected as shown in including those described in P.B. No. 71 are er. no. 4181142. All machines in stock are also ping date Feb. 178. The modified machines on the identification label on carboard box. by problems on capstan motors for TCD 330 we 4181142 use the same capstan motor as for
Modification: Intraction Resifig. All modifications carried out from Smodified from ship are marked with T Because of deliver will from ser.no. TCD 310 Mk II Pa Ref. P.B. No. 71:	ges is carried out on TCD 330: coduction of back-tention on supply motor: stor 1 kOhms, ½ W is connected as shown in including those described in P.B. No. 71 are er. no. 4181142. All machines in stock are also ping date Feb. 178. The modified machines on the identification label on carboard box. by problems on capstan motors for TCD 330 we 4181142 use the same capstan motor as for
Modification: Intraction Resisting. All modifications carried out from Second from ship are marked with Technology. Because of deliver will from ser.no. TCD 310 Mk II Paragraph Ref. P.B. No. 71:	ges is carried out on TCD 330: coduction of back-tention on supply motor: stor 1 kOhms, ½ W is connected as shown in including those described in P.B. No. 71 are er. no. 4181142. All machines in stock are also ping date Feb. 178. The modified machines on the identification label on carboard box. by problems on capstan motors for TCD 330 we 4181142 use the same capstan motor as for rt no. 280405. Belt for counter for use on right spindle has

Side 2 of 2

Ikohm /am



TO JS4-17 T 2305 3C147

Part of A 1.

Fig.

Part of A 1.

1 kohm 1/2 10

MODEL: TCD 330

VOLT: 240

VARE: 5748 TEAK

TAPE RECORDER BANDOPPTAKER

TANDBERG :

OF AMERICA, INC.



May 7, 1979

SERVICE BULLETIN NO. 1

Subject: 1. TCD-330 w

TCD-330 with frozen

ball bearings

2. Maintenance

 We have had some TCD-330's back for service from both dealers, warranty stations and customers with the following complaint:

"Bad recording/play and drop in volume"

The problem has simply been frozen pinchrollers due to lack of oil in the bearings.

Solution:

Replace both pinchrollers and put a fraction of a drop of good thin oil in the bearings. Remember also to clean the pinchroller shaft before the new pinchrollers are installed.

2. Maintenance on all pinchrollers:

Pinchrollers should not be overcleaned. Four to five times a year is sufficient. Freon TF from Dupont is very good to use. After cleaning insert the rubber with a little talcum powder to prevent stickiness.

Sincerely,

TANDBERG OF AMERICA, INC.

Tor Sivertsen Technical Director

TS/amm

