

TechInfo Sheet

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Audio Visual

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Product Group: VCR

Model: NVF, NVFS, NVHD, NVHS

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Subject: Repair Procedure for HiFi DD Cylinders

We are pleased to introduce a service hint for repairing the DD cylinder instead of replacing it if the following symptoms occur.

Please note that this repair may not be carried out if the DD cylinder is seized and fails to rotate.

1) Model Numbers

Group A NV-HD100/HD90/HD700/HS1000/HS800/F55/F65/F70/F75/F77
V8000/FS90/FS1/FS100 Series.

Group B NV-HD600/HD650/HS900 Series.

2) Symptom

- A) Noise appears on the TV screen during playback.
- B) The picture is unstable (horizontal jitter) during playback.
- C) The DD cylinder is noisy in record or playback modes.

3) To carry out the repair the following parts are required:

VFK1268 (oil)
VFK0301 (spacer)
VFK0960 (special asterisk type screw driver)
VFK0959 (grease)

4) Repair

Please apply the special oil VFK1268 to the DD cylinder as detailed in Groups A and B.

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Group A NV-HD100/HD90/HD700/HS1000/HS800/F55/F65/F70/F75/F77/V8000/FS90/
FS1/FS100 Series

Note: If the DD cylinder is seized and does not rotate it will have to be replaced.

- 1) Insert the spacer VFK0301 between the upper and lower cylinders to protect the video head. Ensure that you do not damage the video head when inserting the spacer. Fig. A-1.

SCREW PLATE

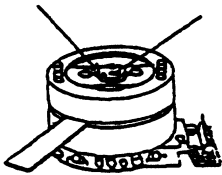


FIG A-1

- 2) Remove 3 screws on the cylinder unit using screwdriver VFK0690. Fig. A-1.
- 3) Remove the thrust plate from the upper cylinder.
- 4) Wipe the grease from the thrust plate and the spindle of the cylinder.
- 5) Apply a drop of oil VFK1268 to the tip of some tweezers to prevent over application Fig. A-2.

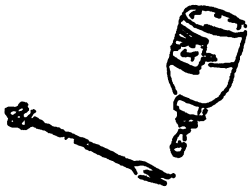


FIG A-2

- 6) Place the tip of the tweezers on the E-ring which is mounted on the cylinder spindle and apply one drop of oil only. Fig. A-3.



OIL

FIG A-3

- 7) Apply grease VK0959 to the spindle of the cylinder unit. Fig. A-4.

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FIG A-4

- 8) Mount the thrust plate and tighten the 3 screws.
Ensure that the thrust plate is fitted the correct way up.
- 9) Remove the spacer.
- 10) Insert a cassette tape and playback the tape for 2 or 3 minutes to allow the oil to penetrate.
Confirm the picture quality in both record and playback modes.

Note: Do not use any other type of oil or grease.

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Group B NV-HD600/HD650/HS900 Series.

Note: If the DD cylinder is seized and does not rotate it will have to be replaced.

- 1) Remove the earth brush.
- 2) Remove the upper cylinder unit. Fig. B-1.

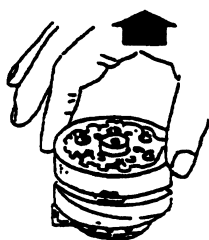


FIG B-1

- 3) Apply a drop of oil VFK1268 to the tip of some tweezers to prevent over application. Fig. B-2.

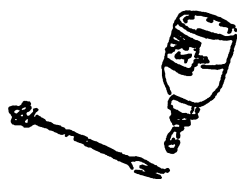


FIG B-2

- 4) Place the tip of the tweezers to the upper, inside of the bearing of the cylinder unit and apply one drop of oil only. Fig. B-3.



FIG B-3

Note:

If excessive oil is applied to the cylinder unit head clogging may occur.

Do not allow excessive oil to run down the shaft into the bearing.

- 5) Apply grease VFK0959 uniformly to the upper, inner part of the cylinder unit bearing. Fig. B-4 and B-5.

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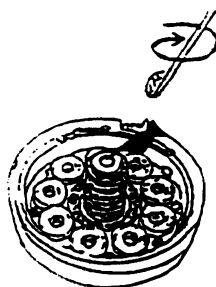


FIG B-4

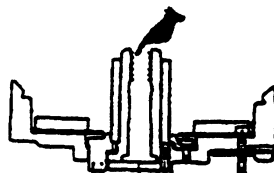


FIG B-5

Note: Do not use any metal instruments as the surface of the bearing may be damaged.

Ensure that the oil is applied to the bearing first, then apply the grease.

- 6) Mount the upper cylinder back into position.
- 7) Insert a cassette tape and playback the tape for 2 or 3 minutes to allow the oil to penetrate. Confirm the picture quality in both record and playback modes.
- 8) Mount the earth brush back into position.

Note: Do not use any other type of oil or grease.