

Digital

Date: April 24, 2000

Model: OXF-CP3024, OXF-CP3048

Subject: FADER MAINTENANCE

Serial No: ALL

DESCRIPTION

Perform the following maintenance procedure on the fader unit under the following conditions:

- Fader knob does not slide easily
- Motorized motion of fader knob becomes slow or sticky
- Lubricant on shafts is dry or contaminated by dust or spillage
- During regular periodic maintenance
- Every two to three years, depending on console activity and operating environment

NOTE: This maintenance procedure requires the following parts:

- Sony Oil (7-661-018-18)
- Torque Driver (+M2)
- Alcohol (C₂H₅OH)
- Cloth (for wiping)

MAINTENANCE PROCEDURE

1. Disassemble fader and master fader modules.

NOTE: See OXF-R3 Maintenance Manual, Volume 1, 1st Edition, section 1-1-4. "Replacement of Master Fader Assembly" and section 1-1-5. "Replacement of Fader Assembly".

2. Open servo pwb (SV-181) side cover on fader unit.

CAUTION: Do not open side cover with label.

- a. Remove two screws on each side of molding (four screws total).
- b. Open cover carefully to avoid damaging flex pwb.
- c. Carefully place removed cover, which is still connected to body by flex pwb, on opposite side of body. Both inner sides of unit can now be seen. (See Figure 1.)

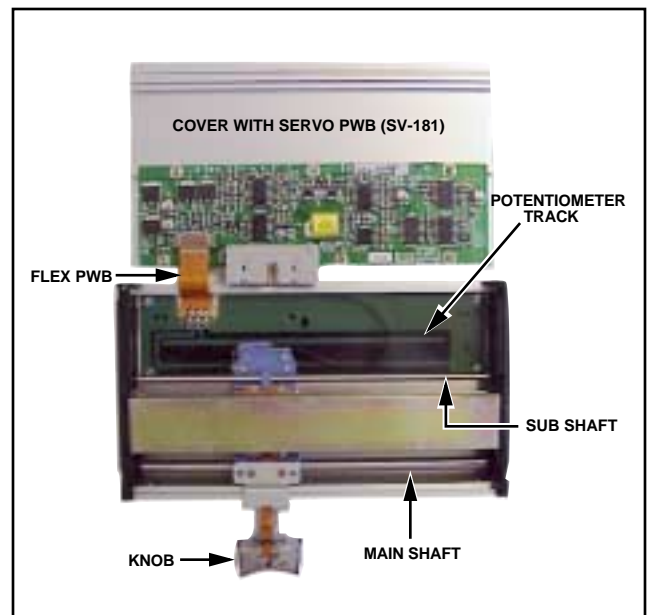


Figure 1

3. Remove dust and oil from main and sub shafts.

CAUTION: Do not touch potentiometer track or wiper block.

- a. Moisten cloth with alcohol (C₂H₅OH).
- b. Wipe main and sub shafts, moving rubber washers at both ends of main shaft.

4. Apply two to three drops of Sony oil to main and sub shafts.

CAUTION: Do not allow oil to drop anywhere other than on shafts.

- a. Slide knob back and forth several times to coat oil smoothly and evenly along shafts.



5. If potentiometer track is contaminated, wipe carefully with a soft, dry cloth.

CAUTION:

- Do not clean track with water or any material other than alcohol (C₂H₅OH). The track is sensitive to water.
 - When using alcohol, be careful not to touch dot marked by felt pen on track pwb.
 - Take care not to damage wiper block and flex pwb.
6. Verify the following before closing cover:
- Potentiometer track surface is clean.
 - Flex pwb insertion to connector is secure.
 - Knob operation is smooth.
7. Close servo pwb (SV-181) side cover on fader unit.
8. Tighten all four screws evenly.
- NOTE:** Tightening torque: 0.22–0.23 [N.m] (2.2–2.3 [kg.cm])
9. Verify knob operates normally after closing side cover.
10. Verify lever/knob assembly is not damaged.
11. Reassemble fader and master fader modules.
12. Reinstall fader and master fader modules to console.

CONFIRMATION

Boot OXF-R3 system (Run_R3). Verify fader functions properly.

NOTE: Sliding mechanism and magnetic circuit on fader unit (1-467-376-12) is same as on fader unit used in DMX-S6000 Series.
