Magnetic Fader Maintenance

These faders are designed with materials highly resistant to corrosion and most chemicals. While they will handle millions of operations, they may become dirty over time. Bad things may be spilled into a fader, but in many instances the fader may not be damaged and the sound quality thus unaffected. Cleaning is only required to maintain the feel of the fader.

In order to maintain the feel of your faders, they may occasionally require cleaning and lubrication. The bearings in the fader work best with DuPont Teflon Multi-use Lubricant (part # D00040101). Make sure to follow the instructions and warnings on the bottle.

This lubricant goes on wet to deeply penetrate moving parts, but sets up with a clean, dry, long-lasting film which will not attract and absorb dirt and grime. Wet or oily lubricants may feel good at first, but will attract dirt and evaporate or become dry over time.

Fader Assembly Removal

1.Remove all the fader knobs.

2. Remove all screws holding the fader panel face plate.

3. Lift up the fader panel face plate and set it aside where it can't get damaged.

4a. Sixty-Four and Sixty-Eight (crossfader only): Remove the two screws in the main panel at the top of the fader assembly, then remove the two screws at the front of the fader assembly. Slide the fader assembly out just enough to see the three white and blue wires and their connectors. Sixty-Four: unplug the blue crossfader cable connected to J2 on the right. The left white cable connects Decks 3-1 to J1. The right white cable connects Decks 2-4 to J3. Sixty-Eight: unplug the blue crossfader cable connected to J2 in the middle. The left white cable connects Decks 1-2 to J1. The right white cable connects Decks 3-4 to J3.

4b. Sixty-One and Sixty-Two: Note the left connector goes to the left fader, the center connector goes to the crossfader, and the right connector goes to the right fader.

4c: TTM 56, TTM 56S, TTM 57SL: See the next page.

5. Unplug the connectors of the wires at the fader assembly without pulling the wires.

6. Remove the two screws at each end of a fader, holding the bottom of the fader in place with your other hand.

7.Take out the fader assembly completely.

Reverse this procedure to re-assemble.

- Plug in the connector before re-installing the fader. Note the connector only will fit one way.

- Test all the faders before installing the fader panel face plate and fader knobs.

Fader Cleaning

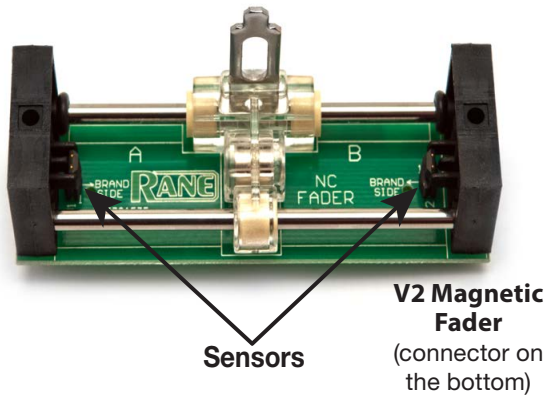
1. For a light cleaning, move the carrier to one side and wipe rails with a lint-free cloth. Move the carrier to the other side and repeat.

2. If a heavier cleaning is required to remove oil lube or grease, first take the carrier off of the rails by removing one of the endblocks. Clean the rails using a lint-free cloth and alcohol. Use a cue-tip and alcohol to clean the carrier bearings.

3. With the fader clean, dry and assembled, add a couple of drops of Teflon Multi-use Lubricant to each rail of the fader.

4. Move the carrier back and forth to distribute lubricant.

5. Do not disturb the position of the small sensors at each end of the fader. If you accidentally do, make sure the parts are standing straight before re-installing.



Sixty-One and Sixty-Two Fader Calibration

After cleaning or replacement, the sensors may get moved, affecting the contour. After any fader service, perform this procedure to re-calibrate the faders and crossfader.

1.Power off the mixer.

2. Move all faders to the center-most position.

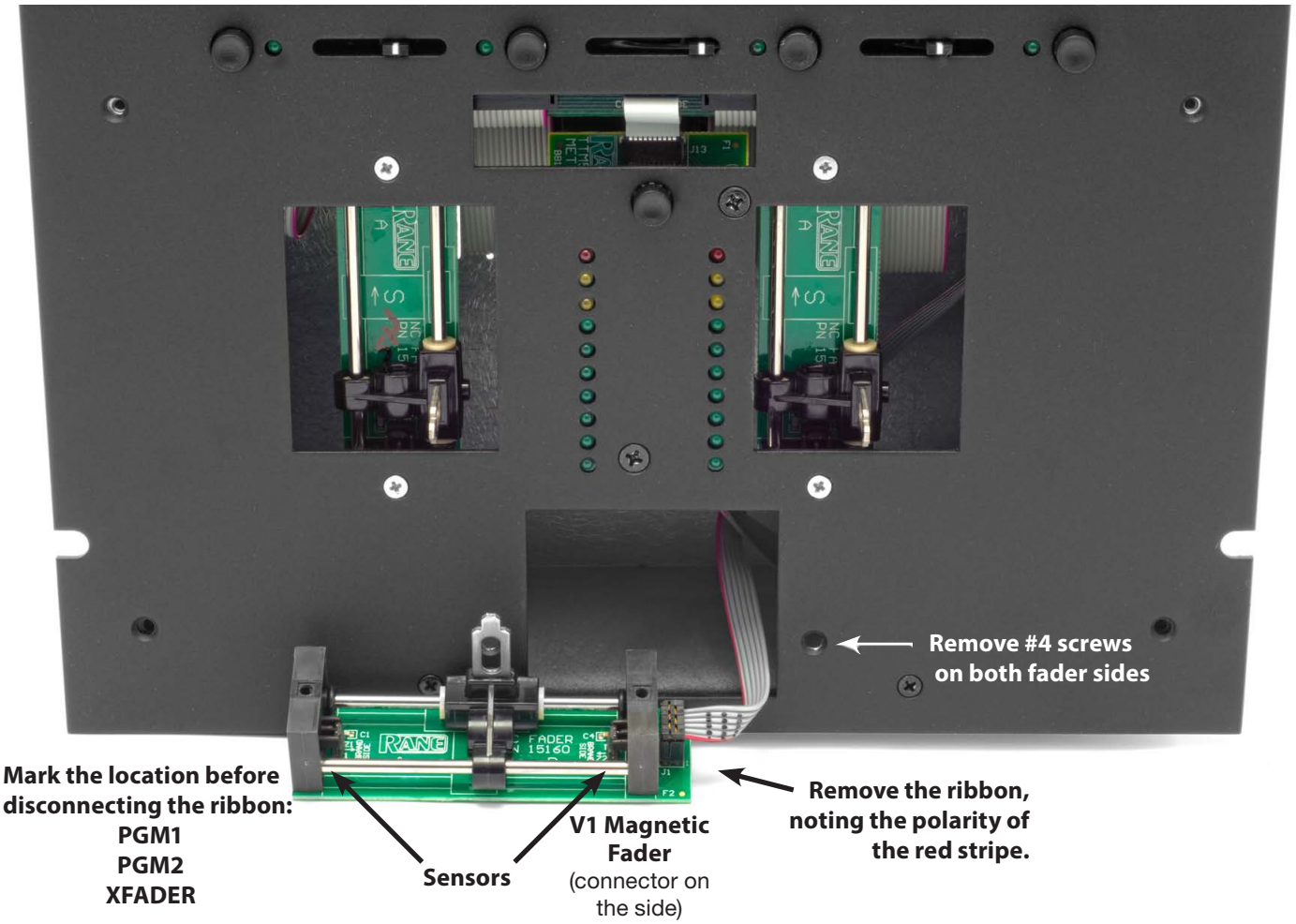
3. Push both **DECK 1** and **DECK 2 CUE** buttons at the same time.

4. While holding these buttons down, power on the mixer.

5. Immediately after fading up, the **CUE** lights will flash one time, indicating a successful calibration. If the **CUE** lights flash three times, the sensors may have moved too far, or the faders knobs may not have all been centered, and the faders cannot correctly calibrate.

TTM 56S and TTM 57SL Fader Removal

1. Required tools: #1 Philips screwdriver and a pair of clean hands.
2. Disconnect the power.
3. Remove the fader caps by pulling them away from the Lexan faceplate.
4. Remove the four 4-40 screws attaching the faceplate, and remove it. The fader rails are now accessible for normal cleaning.
5. If more cleaning is required, or the fader needs replacing, remove the fader by removing the two #4 screws securing it.
6. **NOTE: Do not disturb the position of the small sensors at each end of the Fader.** If you do, make sure the parts are standing straight before reinstalling. To achieve the highest possible accuracy, *each magnetic fader is factory calibrated* for the location in which it was shipped. If you remove all the faders for cleaning, *make sure you mark them* to help you to put them back in the correct location.
7. Disconnect the ribbon cable, noting the orientation of the red stripe.
8. Sugary liquids spilled into a fader may be removed by thoroughly rinsing the part in hot water. Removal of grease or other stubborn debris may require alcohol or contact cleaner.
9. Make sure the part is clean and dry before lubricating or reinstalling.
10. To reassemble, reverse the disassembly procedure. **NOTE:** It is important to connect the cable so that the red line matches up with the #1 screen printed on the PCB board next to the plastic connector jack housings. If the cable is connected backwards, you will damage the hall sensors, making the fader inoperative. In addition, be sure to connect the cable to all 6 pins. Missing pins when connecting the cable will also damge the hall sensors.
11. Problems? Contact Rane Corporation customer service at 425-355-6000. More support is available at dj.rane.com.



WARNING: This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.