

TECHNICAL NOTE

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SD8

LIGHT FADER CLEANING METHOD

Faders on the SD8, like any other commercial product using linear faders, are likely to require maintenance cleaning from time to time.

Dirty or worn faders may randomly or inaccurately respond, such faders (most commonly in the master section) are indicated by jumping position indication when touched and inaccurate / unstable re-positioning on a fader bank changes. This can often be improved and the operational life of the faders extended by a simple routine maintenance cleaning procedure.

To improve the performance of faders over time, it is recommended that you have them clean when necessary. This procedure may prevent irregular behaviour due to the accumulation of dirt.

Eventually typical light cleaning will prove inadequate and a deeper clean may be required. Another document, TN270, details a full strip down procedure of cleaning the SD8 faders.

Moreover, such cleaning will not prevent the need for replacement of the faders that have a significant level of wear and tear. The wearing of the faders can occur with or without soiling faders. The expected life of the fader depends on many factors and can not be reliably estimated.

Important Note

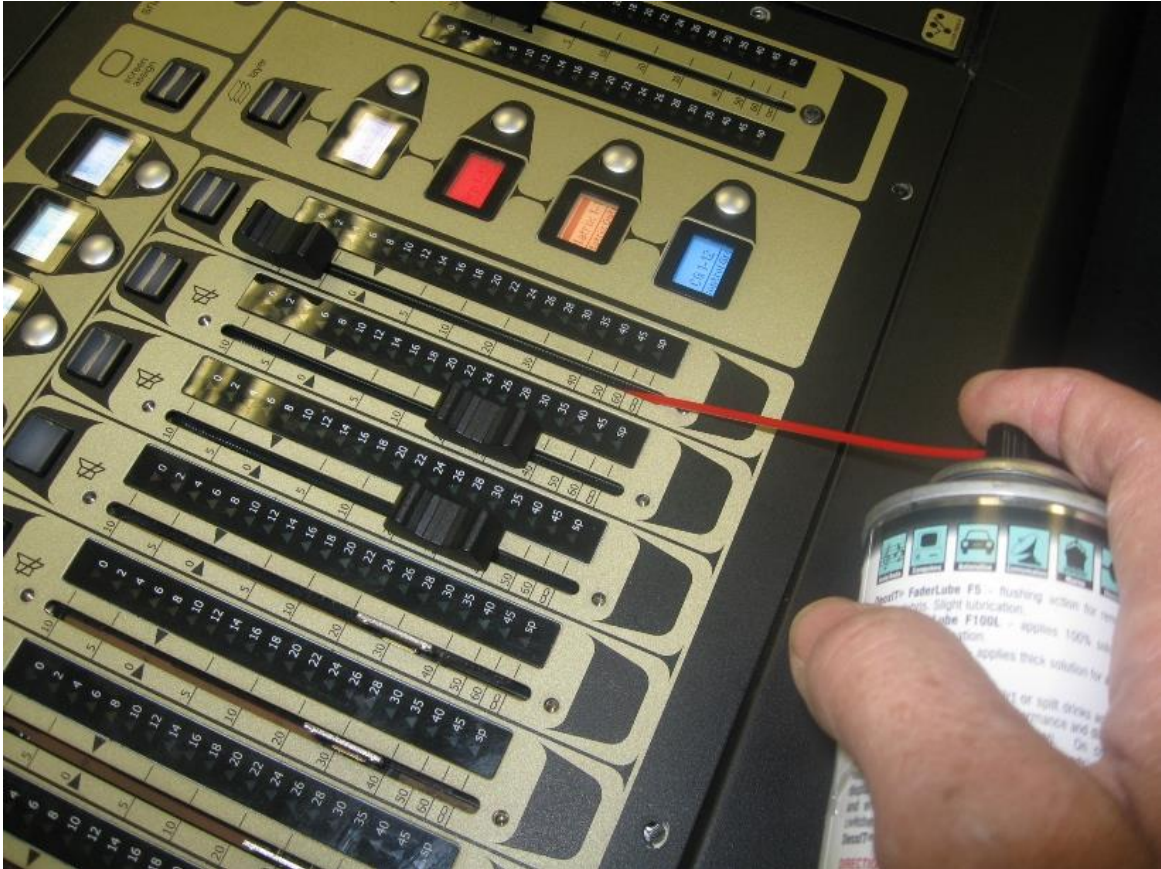
Fader calibration NEVER fixes faulty fader operation and will often make the situation much worse, by calibrating to moving dirt !

The fader's wiper is made up of a number of fine precision wires and the presence of fine dust particles around the fader's wiper wires can cause intermittent operation (i.e. of the position information from the fader). This effect can also be due to mechanical wear to the resistance tracks on older, used consoles.

This procedure does not require stripping the panel down and can be performed onsite by anyone with a reasonable amount of care. They do not need to be a skilled service engineer.

Continued:

SD8 LIGHT FADER CLEANING METHOD



1) Clean each fader with a compressed air line or an aerosol "air duster" using a product such as "Servisol Aero duster 101 invertible" but other similar products are readily available. Blow up and down to the slot with a fine nozzle to dislodge any loose dirt within the fader. Insert the nozzle in the fader slot at a shallow angle (See attached photo as a guide)

2) Cleaning includes the use of a suitable cleaner lubricant. We have used Deoxit F5 or Servisol S10 cleaner lubricants on these faders. Other proprietary cleaner lubricants are also available. Whilst the Deoxit D5 used on SD8 faders in manufacture is a lubricant this is not primarily intended for fader maintenance of this type but can be used if other materials are not available. Do not use any that do not specifically state that they DO contain a lubricant.

To apply use a similar method to the air duster, this will allow the product to spread up the track. Apply a 1 - 2 second shot up the track and another down the track and then move the fader up and down 10-20 times rapidly to spread the cleaner around the tracks.

We recommend this routine maintenance should be taken on an ongoing basis, whenever operation becomes unreliable, to secure the long term stability of the faders. The frequency of the maintenance will depend on the usage of the console (and if in dusty environments) but with sensible care will cause no negative impact on the life of the fader.

Your supplier or the factory is able to provide further support, including replacement faders when that time comes.