

TCD Filament Protect Chip Replacement

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The TCD filament protect circuit turns off the TCD#1 filament current if the carrier gas pressure drops below 3psi (or whatever pressure is selected as a threshold). If this circuit malfunctions, replace the LM324 chip on the amplifier board.

If you remove the chip from the socket the TCD protect circuit is defeated, so if a replacement LM324 chip is not available, the GC may still be operable with the chip removed.

There are two styles of amplifier board, but the LM324 chip is in the same location on both styles.

Pry the chip out of the socket with a small screwdriver, then replace noting that pin1 must be oriented to the top of the GC.

The LM324 chip has a little dot or semi-circular bite next to Pin 1.

