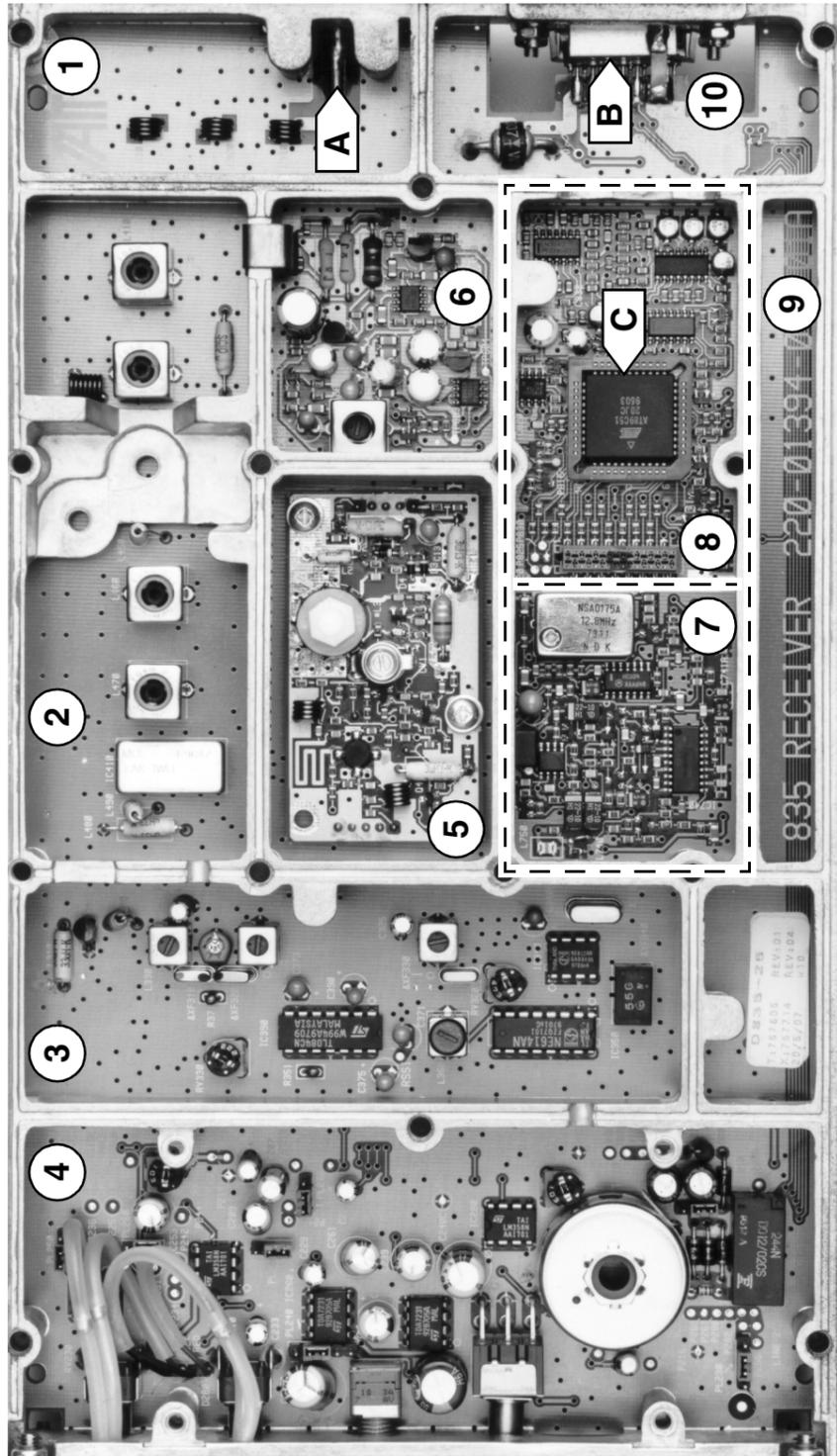


The photograph in [Figure 1.1](#) on the next page will help you to identify the main circuit blocks in the T835.

There is a similar photograph in [Figure 4.3](#) which shows the main tuning and adjustment controls.

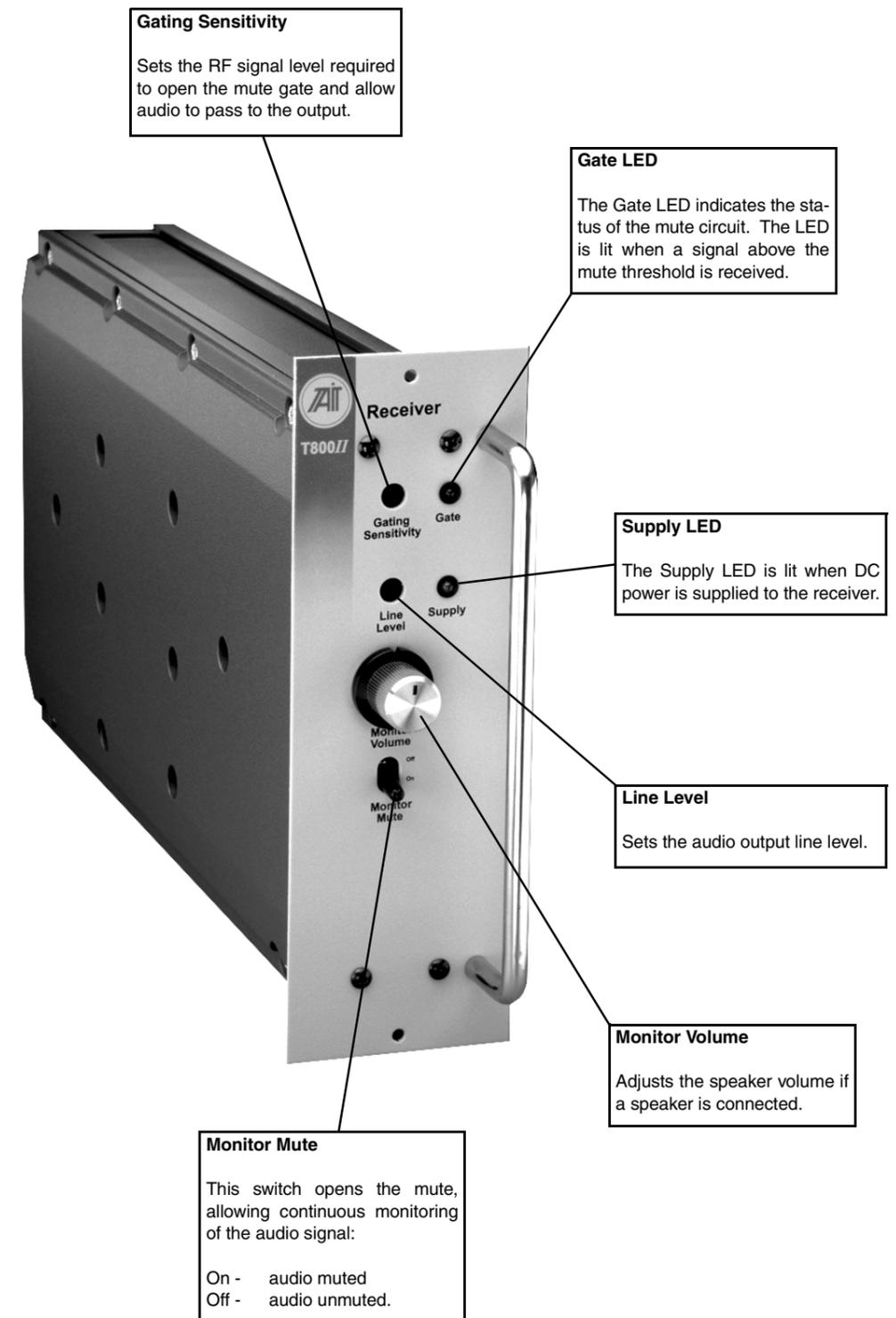
Extending both these fold-outs will allow you to refer to both photographs while using the manual.

The photograph in [Figure 1.2](#) on the next page shows the T835 front panel controls.



- Key:**
- 1 low pass filter
 - 2 receiver front end
 - 3 receiver IF
 - 4 audio processor
 - 5 VCO
 - 6 regulators
 - 7 synthesiser
 - 8 microcontroller and CTCSS
 - 9 duct for cabling to extra D-range (if fitted)
 - 10 D-range
- A RF input
 - B D-range connector ("D-range 1" incl. audio out & DC in (refer to Section 1.2 in Part F)
 - C microcontroller

Figure 1.1 T835 Main Circuit Block Identification



Monitor Mute

This switch opens the mute, allowing continuous monitoring of the audio signal:

On - audio muted
Off - audio unmuted.

Gating Sensitivity

Sets the RF signal level required to open the mute gate and allow audio to pass to the output.

Gate LED

The Gate LED indicates the status of the mute circuit. The LED is lit when a signal above the mute threshold is received.

Supply LED

The Supply LED is lit when DC power is supplied to the receiver.

Line Level

Sets the audio output line level.

Monitor Volume

Adjusts the speaker volume if a speaker is connected.

Figure 1.2 T835 Front Panel Controls