

The photograph in [Figure 1.1](#) on the next page will help you to identify the main circuit blocks in the T838/839.

There is a similar photograph in [Figure 3.3](#) which shows the main 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 T838/839 front panel controls.

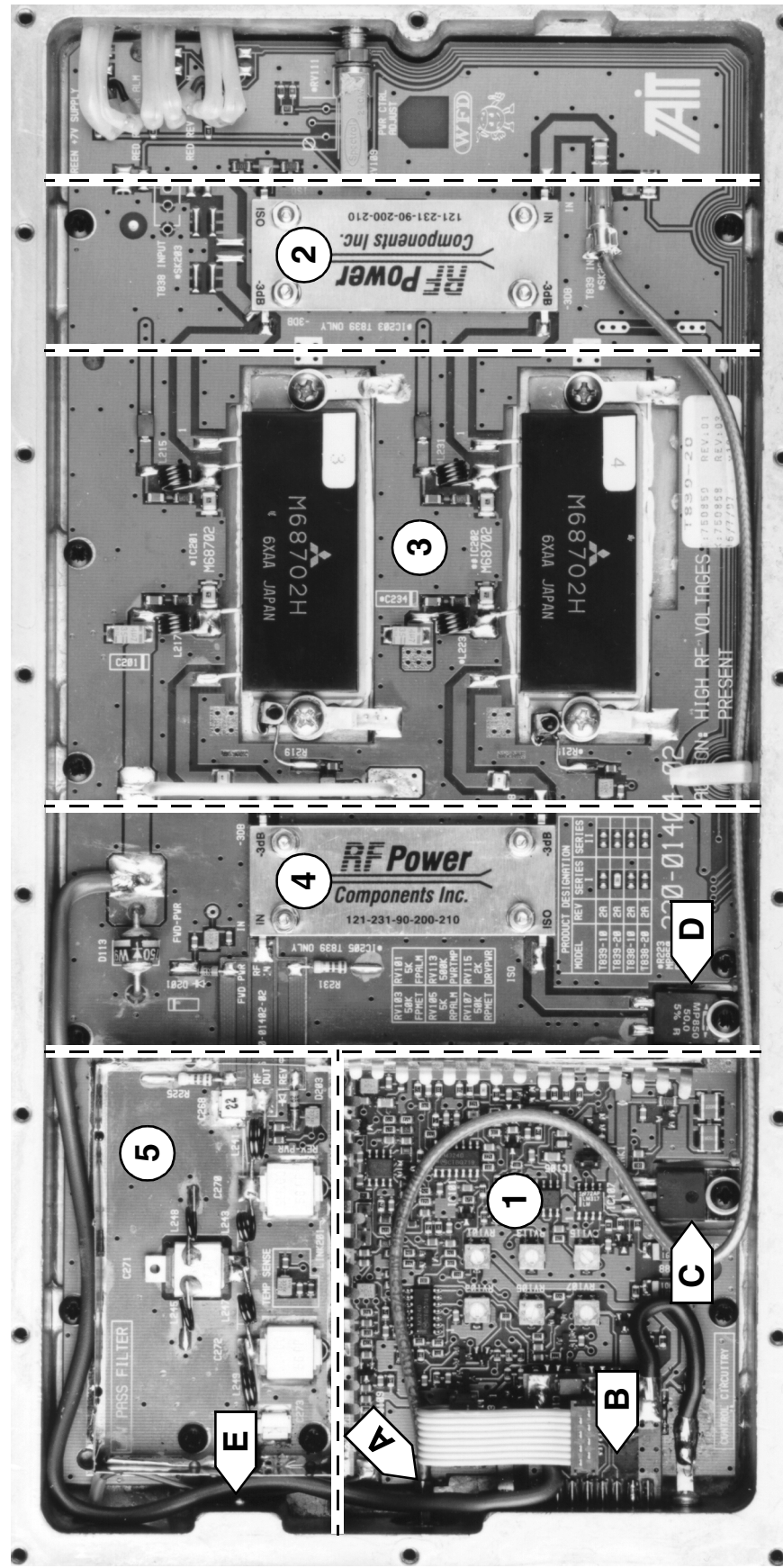


Figure 1.1 T838/839 Main Circuit Block Identification (T839 Shown)

- Key:**
- 1 power control & alarms circuitry
 - 2 input power splitter¹
 - 3 RF power modules²
 - 4 output power combiner¹
 - 5 low pass filter & directional coupler
- A RF input
 - B D-range connector (incl. DC in, alarm & metering outputs - refer to Section 3.2 in Part F)
 - C power control transistor (Q137)
 - D output combiner termination (*R223)¹
 - E RF output

- 1. T839 only.
- 2. The T838 has a single module (the uppermost of the two shown in the photograph).

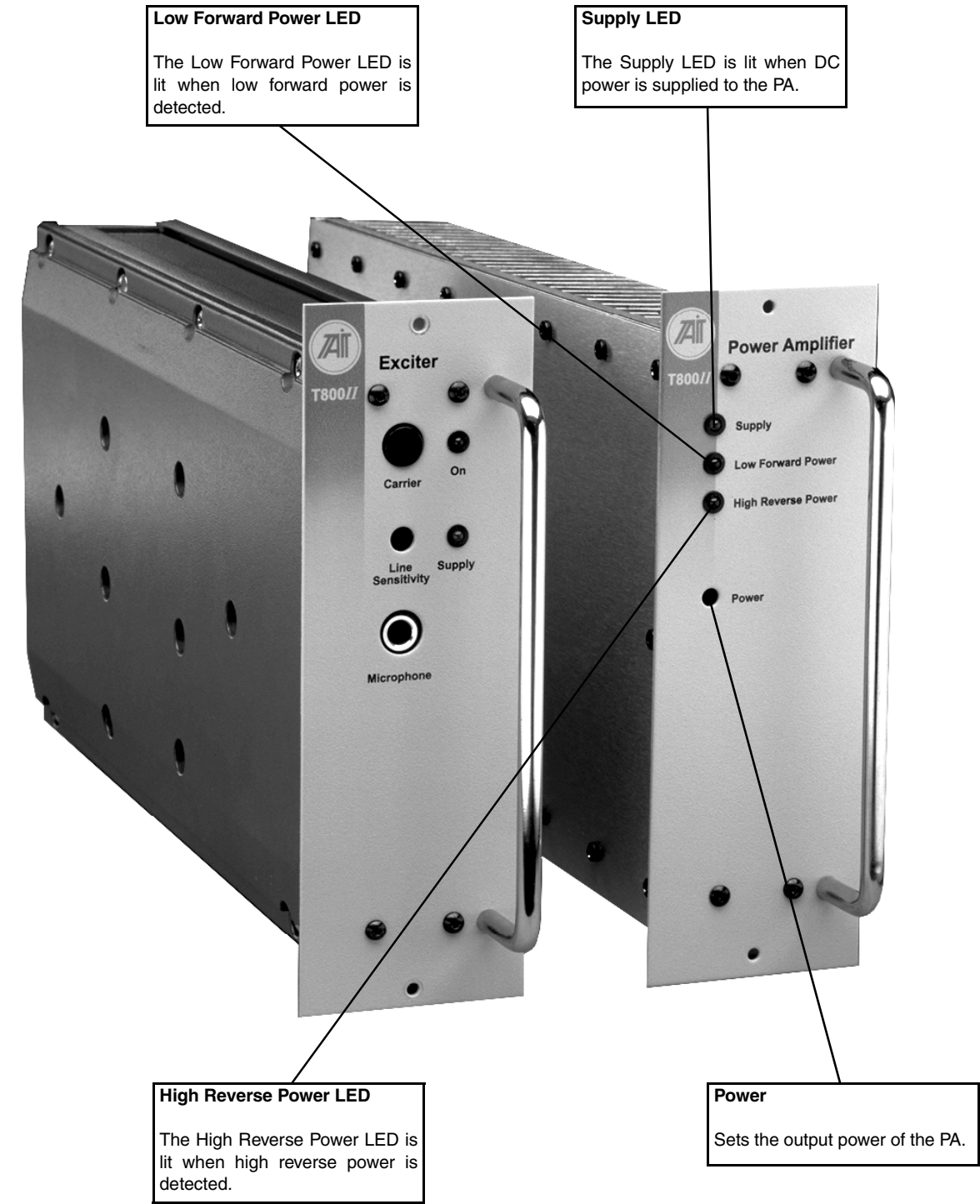


Figure 1.2 T838/839 Front Panel Controls (T838 Shown With T837 Exciter)