5.1 Replacing the System Interface Board

Important You must reprogram and recalibrate the reciter after replacing the system interface board. Refer to "Reprogramming and Recalibration" on page 105.

Refer to "Reciter Disassembly and Reassembly" on page 99 for details on removing and refitting the covers and front and rear panels. The circled numbers in the following instructions refer to Figure 5.1 on page 106.

Compatibility When fitting a replacement system interface board, you must make sure the new board is compatible with the firmware version loaded into the reciter, as described in the following table.

System Interface Board	Compatible Reciter Firmware Versions
standard, isolated, isolated E&M, and TaitNet: version 1 and later	02.02 or later
TaitNet RS-232	02.02 or later
TaitNet Ethernet	03.00 or later

Removal

1. Remove the digital side cover and rear panel.

2. Disconnect the flexible connector to the digital board ① from the socket on the system interface board.

3. Remove the M3 Torx screws securing the board to the heatsink.

4. Carefully lift the board upwards off the locating pins ② and remove it from the heatsink.

Refitting

1. To refit the board, follow the removal instructions in reverse order.

Important Make sure the insulator sheet is correctly positioned and flat on the heatsink. Although this sheet is an electrical insulator, it is also thermally conductive and must allow the board to sit as flat as possible to provide effective heatsinking. **Operating the reciter without the insulator sheet in place will result in permanent damage to the digital or system interface boards.**

Important Make sure the flexible connector is correctly positioned and latched in its socket, as shown in Figure 5.2 on page 107.

Note Before tightening the screws, press the board down over the locat-ing pins so that it is firmly seated against the heatsink. Then tighten the M3 Torx screws to the correct torque, working from the centre of the board to the edges.

Reprogramming and Recalibration

If you have replaced the system interface board, you will have to reprogram and recalibrate the reciter. The actual procedures required will depend on whether or not the replacement board is the same type as the original, as shown in the table below.

Board Type	Procedure	Details
when the replacement system interface board is a different type from the original	■ reprogram the product code ■ reprogram the reciter type	reprogram this information into the reciter using the Calibration Kit[a]; refer to the Calibration Kit documentation for more details
	calibrate the audio	carry out this procedure using the Calibration Kit; refer to the Calibration Kit documentation for more details
when the replacement system interface board is the same type as the original	calibrate the audio	carry out this procedure using the Calibration Kit; refer to the Calibration Kit documentation for more details

a. To reprogram this information into the reciter, you will need to use a dongle with the Calibration Kit.
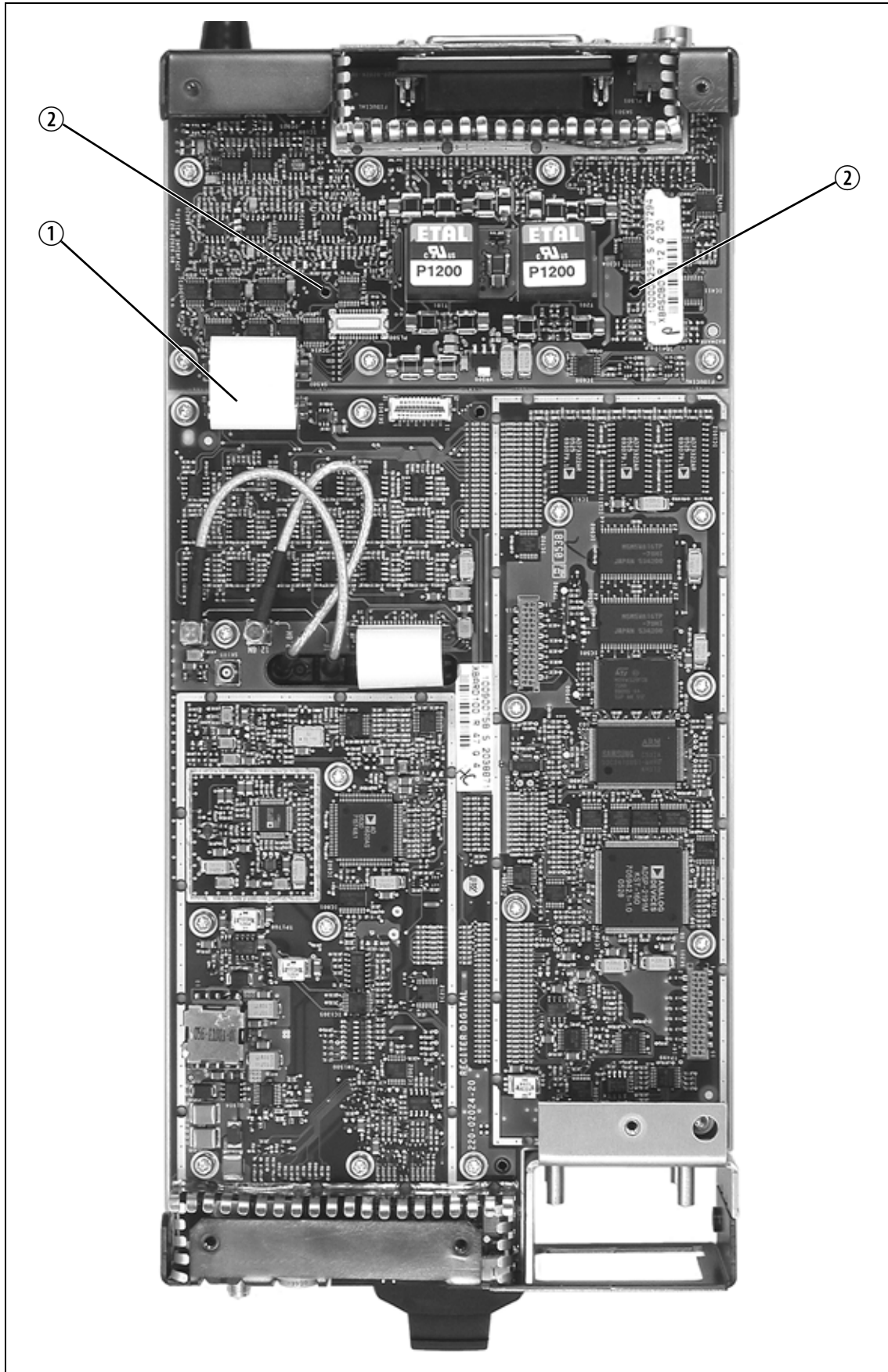
Figure 5.1   Replacing the system interface board

Figure 5.2   Reconnecting the flexible connector

blue stripe on same
side as latch

latch pushed fully down
at both ends

flexible connector inserted
straight into socket