

### 3.1.10. Removal of the main unit

- Remove the attenuator screens. When remounting take care to locate them in the correct positions.
- Disconnect the calibration voltage lead from the terminal and unsolder the wires of the trace-rotation coil from the under-side of the printed-circuit board.
- Loosen two screws at the top of the control panel, the earth terminal at the bottom and the five screws attaching the printed-circuit board to the chassis.  
When mounting the unit in the instrument, first insert all screws loosely, and then tighten when all screws are in place.
- Disconnect five coaxial leads from their sockets on the final amplifier unit.
- Remove the INTENSITY and FOCUS knob.
- Pull the unit about 5 cm forward and feed the coaxial leads from the final amplifier unit through two rubber clamps.  
When remounting the unit ensure that the unit fits in its final position in the plastic mounting strip and under a mounting section of the plate between the power unit and main unit.
- Unsolder the leads from TRACE ROTATION potentiometer and POWER ON LED.
- Slide and tilt the unit out of the instrument.

### 3.1.11. Removal of the knobs and textplate

- Removal of the knobs:  
Attenuator and time-base switches: take the shields out of the knobs and loosen the exposed nuts with a pair of pliers.  
Horizontal position and magnifier: remove the shield and loosen screw inside knob.  
Other knobs: these have a clamping spring inside that can be levered off the spindle.
- Removal of the textplate:  
Remove the nuts from the attenuator and time-base switches and take off the textplate.

### 3.1.12. Replacing a switch of a pushbutton unit (Fig. 3.6.)

- Straighten the four retaining lugs of the relevant switch.
- Break the body of the relevant switch by means of a pair of pliers and remove the pieces.  
The soldering pins are then accessible.
- Remove the soldering pins and clean the holes in the printed-wiring board (for instance, with a sucking-iron).
- Solder the new switch on to the printed-wiring board.
- Bend the four retaining lugs back to their original positions.
- If the faulty pushbutton unit cannot be reached remove the main unit as described in section 3.1.10. and eventually the control panel.

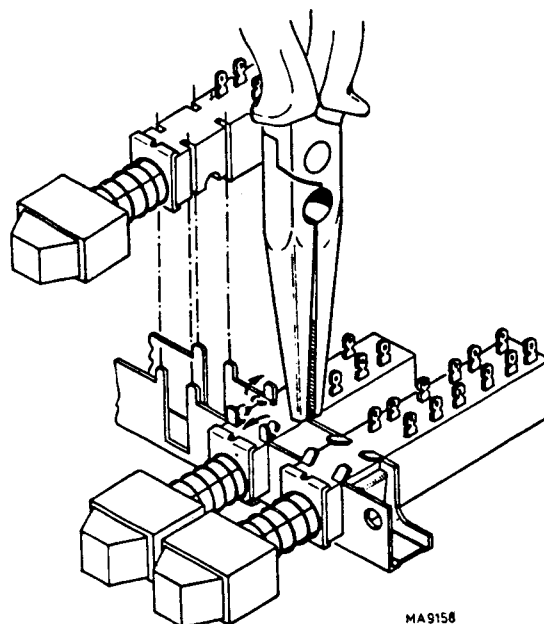


Fig. 3.6. Replacing a push-button switch

Fig. 3.3. Adjustment points, front view.

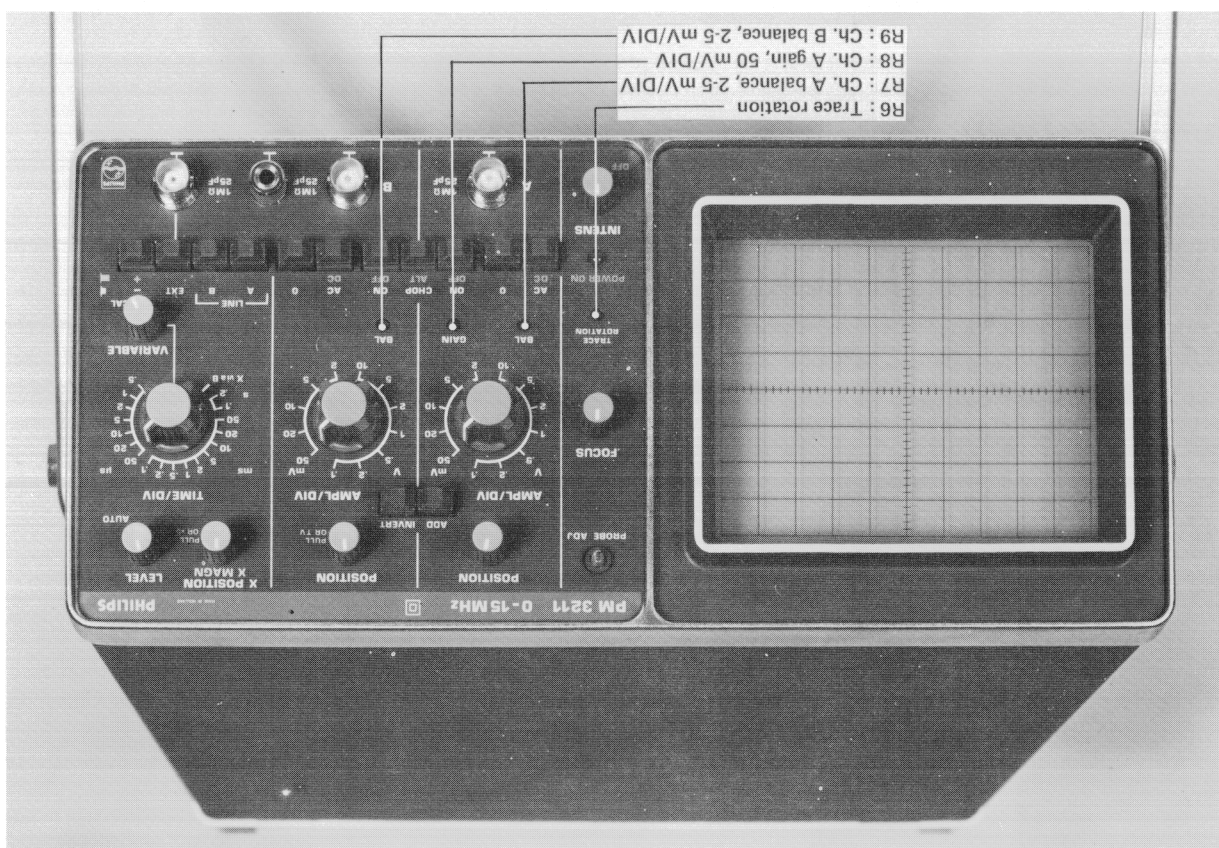


Fig. 3.2. Unit location and adjustment points, rear view

