

1. Tuning Knob

Use this knob to tune to desired stations. Conventionally, tuning point has been obtained by signal strength meter and center meter, but with our original C.L.L. system adopted in the T-50A, the capture range at the C.L.L. circuit is set quite narrow to obtain more precise tune-in point. Therefore it is hard to obtain the precise tune-in point center frequency of a broadcasting station by use of center meter. We adopted our original tuning lock function (ACCUTOUCH SYSTEM) which mechanically locks the center point by electronic sensing. Thus all the circuits are adjusted to obtain the optimum tuning point.

Depress the "FM" button of the Band Selector (4), and turn the Tuning Knob slowly, and it will be locked with a "responsive" feeling when the Accutouch & C.L.L. Release Switch (2) is set at the protruded position. At this time the Center Indicator (9) lights up to show the accurate tuning point is seized even at the RF stage (radio frequency amplifying stage), IF stage (inter frequency amplifying stage), and FM detection stage. The mechanical lock is automatically released in about 1 second.

Note that the Accutouch System and the C.L.L. circuit do not operate at the time of AM reception.

2. Accutouch & C.L.L. Release Switch

This switch releases the Accutouch System & C.L.L. circuit. Press alternately for switch-on and off. The Tuning Lock function operates when the switch is in the protruded position, while it is released when depressed.

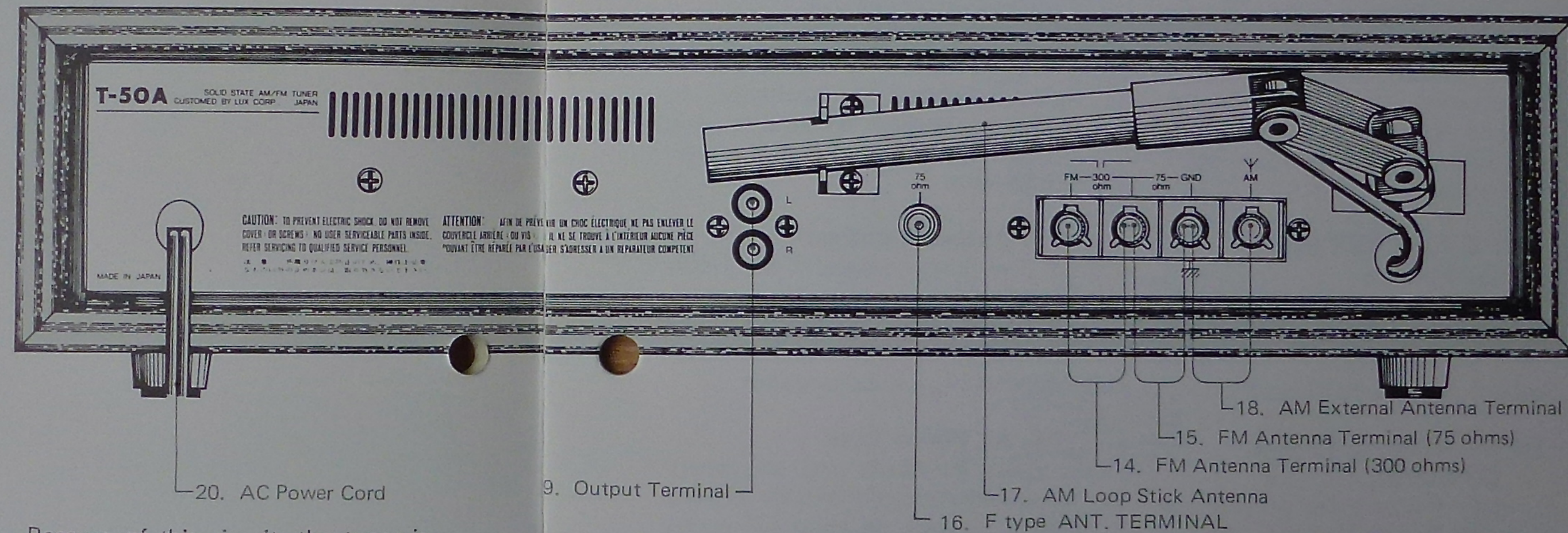
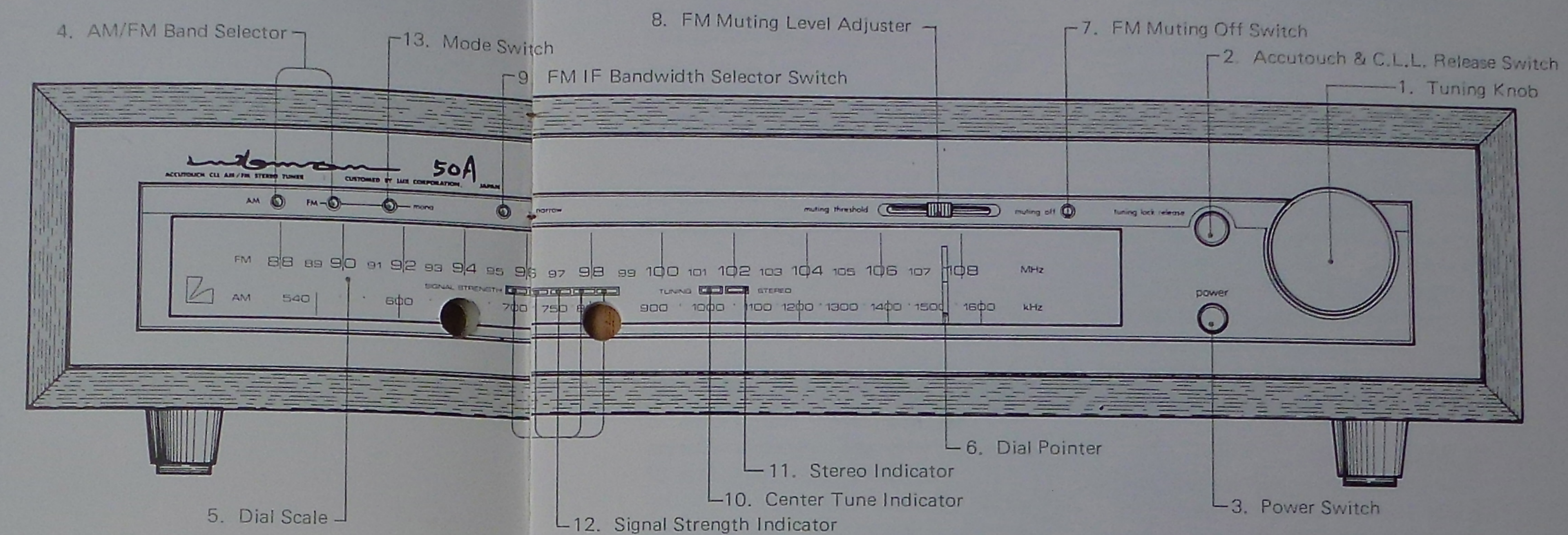
Normally, it is advisable to set the switch always at the protruded position.

The T-50A proclaims a tuner of sonic excellence, therefore the IF stage and the detector stage are designed to be quite wide range. Further the C.L.L. circuit utilizes the wave of broadcasting stations for its frequency control. Thus, in the area where many stations are jammed,

the desired station may be interfered, or it is hard to judge to which station the locking should be made. Therefore, we provided the C.L.L. Release switch to the T-50A to prevent such inconvenience. In this case the Accutouch System is released at the same time.

3. Power Switch

The power switch is of an alternating push-on, push-off type. Press in this switch and AC power is supplied to the tuner and the dial scale is illuminated. A time delay muting circuit is integrated to eliminate unpleasant "thump noise" at the time of turning the unit on.



Because of this circuit, the tuner is muted for approx. 3 seconds until all circuits are put into stable operational condition.

4. AM/FM Band Selector

This switch selects either of the FM broadcasting or the AM broadcasting. For FM reception, depress the "FM" button, while for AM reception, depress the "AM" button. These two switches are of the see-saw type, and when one of them is pressed-in, the other will protrude. In case both of them are pressed in compulsorily, signals will not be available at the outputs.

5. Dial Scale

Turn the Tuning Knob (1) and the dial pointer moves to indicate the receiving frequency. The calibration for FM broadcast frequencies is from 88MHz to 108MHz, while that for AM is from 525kHz to 1605kHz.

6. Dial Pointer

The Dial Pointer is coupled to the Tuning Knob to indicate receiving frequency. Read the frequency on the dial scale that is indicated by the dial pointer.

7. FM Muting Off Switch

The FM muting circuit is provided to remove the interstation noise

peculiar to FM broadcasting which occurs when tuning is shifted out of the correct tuning point. The FM Muting Off Switch is provided to make it feasible to receive broadcasting waves of weak electric field strength. When this switch is kept unpressed, interstation noise possible at the time of some drift occur can be filtered. When it is depressed, the muting circuit is released. Normally, it is advisable to set it in the "protruded" position.

8. FM Muting Level Adjuster

This adjuster is provided to determine the muting threshold level, and is operated when the FM Muting Off

Switch is unpressed at the "protruded" position. At this time, the threshold range is variable from approx. 10 μ V to approx. 300 μ V.

However, it may be possible that the electric field fluctuates according to the transmission path of the broadcasting wave even at the time of receiving the broadcasting station of strong electric field strength. In this case, when the muting level is pre-fixed within the range of this fluctuation, sound reproduction is intermittently feasible. This phenomenon is caused because the muting level is pre-fixed a little high, therefore turn the FM Muting Level Adjuster knob counter-clockwise to