

CONNECTING A SHORTWAVE RECEIVER TO THE AT-2000 ANTENNA TUNING UNIT

Although connecting the AT-2000 between a shortwave receiver and an antenna is simple, please adhere to the following instructions as connection does vary for different types of antennas and receivers.

(i) (FIGURE C) When connecting the AT-2000 to a broadcast listening (BCL) type radio receiver (i.e. radio without a SO-239 antenna socket) and a long wire antenna, use the supplied connection cord to connect between the RX push terminals of the AT-2000 (FIGURE B ⑦) and the antenna terminals of the radio. The long wire antenna and earth lead connections are made to the antenna push terminals on the AT-2000 (FIGURE B ⑨). Some portable receivers accept a 3.5mm mono jack plug so a suitable lead can be used in place of the one supplied.

(ii) (FIGURE D) If using a communications type receiver (i.e. radio with a SO-239 antenna socket) and a long wire antenna, connect the receiver to the AT-2000 RX-SO-239 terminal (FIGURE B ⑥) with a patch lead using 50 Ohm co-axial cable and PL-259 plugs. The long wire antenna and earth lead connections are made to the antenna push terminals on the AT-2000 (FIGURE B ⑨).

(iii) (FIGURE E) When using a communications type receiver with a 1/2 wave di-pole or other 50 Ohm impedance antenna then connect the receiver to the AT-2000 RX SO-239 (FIGURE B ⑥) with a patch lead using 50 Ohm co-axial cable and PL-259 plugs. Then connect the antenna to the tuner using 50 Ohm co-axial cable with a PL-259 plug into the SO-239 antenna socket on the AT-2000 (FIGURE B ⑧).

(NOTE) It is important to introduce an earth into a shortwave receiving system when using a long wire antenna because a good earth effectively completes the antenna system. The current flows down the long wire into the receiver and then the circuit needs to be completed by connection to earth. Therefore, if an earth is omitted the system will not be working efficiently. If you already have an antenna earth on your receiver then this usually works best if transferred to the rear of the AT-2000 as only one antenna earth point is required. With a co-axially fed antenna the current flows from one side of the aerial down to the AT-2000 and then back up the co-axial cable to the other side of the aerial so completing the circuit.

FIGURE B

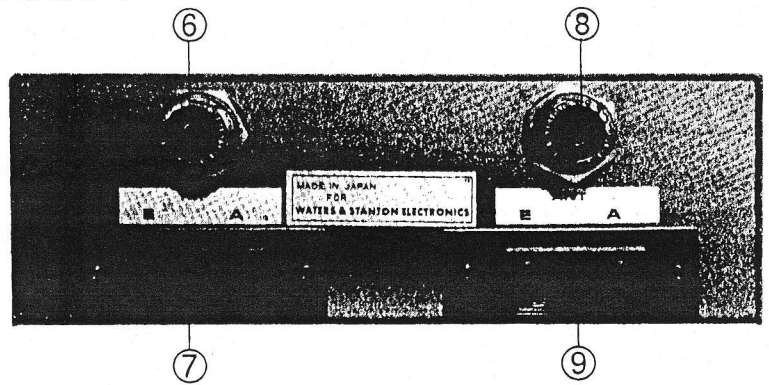


FIGURE C

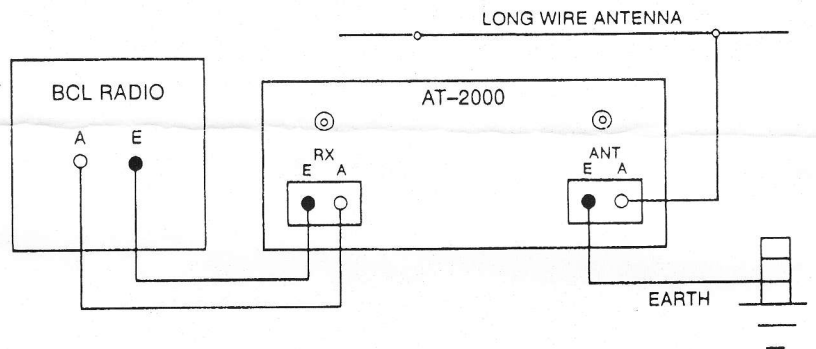


FIGURE D

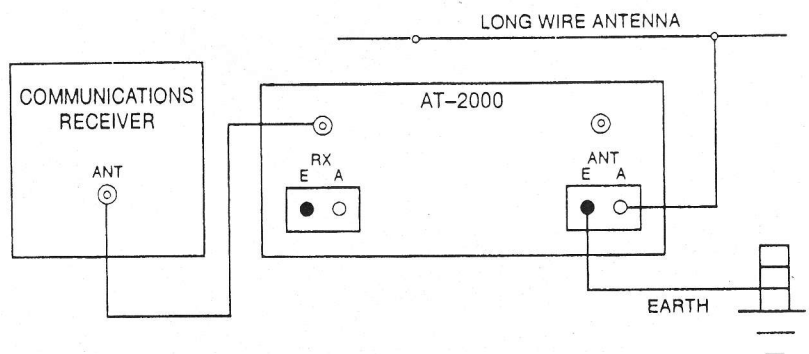
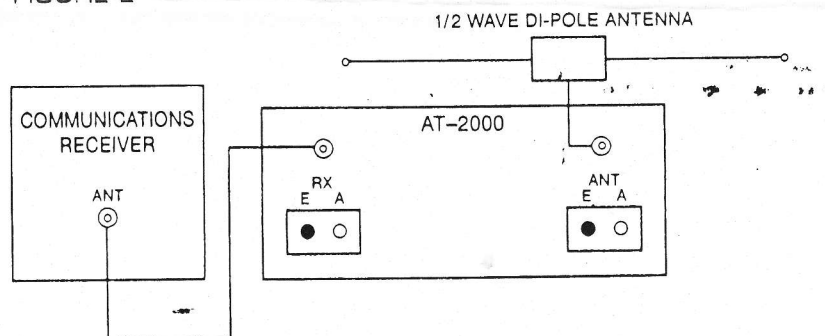


FIGURE E



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