

ADDITIONAL



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Service Manual

**ORDER NO.
ARP 1519**

FM/AM DIGITAL SYNTHESIZER TUNER

TX-1090Z

Z/UC, Z

MODEL TX-1090Z COMES IN TWO VERSIONS DISTINGUISHED AS FOLLOWS:

Type	Power requirement	Destination
Z/UC	(DC power supply)	U.S.A. and Canada
Z	(DC power supply)	General market

- **Refer to the service manual ARP1368, TX-1080Z/Z/UC.**
- **This manual is applicable to the Z/UC and Z types.**

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1. CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- Parts without part number cannot be supplied.
- Parts marked by “●” are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- For your parts Stock Control, the fast moving items are indicated with the marks ★★ and ★.

★★ GENERALLY MOVES FASTER THAN ★

This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.

- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω	56 × 10 ¹	561.....	RD1/4PS	5	6	1	J
47kΩ	47 × 10 ³	473.....	RD1/4PS	4	7	3	J
0.5Ω	0R5.....		RN2H	0	5		K
1Ω	010.....		RSIP	0	1	0	K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ	562 × 10 ¹	5621.....	RN1/4SR	5	6	2	1	F
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The TX-1090Z/Z/UC, Z types are the same as the TX-1080Z/Z/UC, Z types with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		TX-1080Z/Z/UC, Z types	TX-1090Z/Z/UC, Z types	
	Tuner assembly	AWZ1350	AWZ1960	
	SW1 assembly	Non supply	Non supply	
	Indicator panel	AAK1226	
	Tuner panel	AAK1442	
	Front panel assembly	AMB1166	AMB1324	
	Bonnet case	ANE1070	ANE1123	
	Packing case	AHD1215	AHD1384	
	Supplementary instructions	ARH-051	ARH1047	

TUNER ASSEMBLY (AWZ1960)

The Tuner Assembly (AWZ1960) is the same as the Tuner Assembly (AWZ1350) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ1350	AWZ1960	
★	D105—D108, D111, D113, D114	1SS131	1SS252	
	F104 AM ceramic filter	ATF-208	ATF1042	
★	V101 Fluorescent tube	AAV-017	AAV1040	
	C101	CCDCH040C50	CCMCH040C50	
	C107	CCDSL101J50	CCMSL101J50	
	C108, C114, C159, C160	CCDCH150J50	CCMCH150J50	
	C110	CCDCH330J50	CCMCH330J50	
	C111	CCDCH080D50	CCMCH080D50	
	C116, C181	CCCSL101J50	CCMSL101J50	
	C128	CCDSL221J50	CKMYB221K50	
	C148, C149	CKCYB122K50	CKMYB122K50	
	C169, C170	CCDCH270J50	CCMCH270J50	
	Antenna terminal (4P)	AKA-017	AKA1009	

SW1 ASSEMBLY

The SW1 Assembly of TX-1090Z is the same as the SW1 Assembly of TX-1080Z with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		SW1 Assembly of TX-1080Z	SW1 Assembly of TX-1090Z	
★	D301, D302	AEL1015	AEL1003	

2. FOR Z TYPE

DIFFERENCES BETWEEN THE Z/UC TYPE AND Z TYPE

Exactly the same parts are used to configure the Z type and Z/UC type. The difference between the Z type and Z/UC type is that the FM/AM CHANNEL STEP switch (S500) is set to 100/10 kHz for the Z/UC type and to 50/9 kHz for the Z type at the factory. Set the Z type to the channel step for the area where used, as shown in the schematic diagram below. (The Z/UC type should be left at 100/10 kHz.)

● SCHEMATIC DIAGRAM

