KX1 OWNER'S MANUAL ERRATA

Rev. E-1, September 26, 2015 (E740056E)

> **MAKE THESE CORRECTIONS TO YOUR MANUAL OR ANNOTATE YOUR MANUAL TO REFER TO THIS ERRATA AT THE PLACES INDICATED.**

1. **Page 35, Right Column:** Delete all after the first checkbox step including the note starting with "Type NE612, NE602, SA612, and..."

2. **Page 37, Left Column:** Insert the following after the third checkbox step (and before you turn the board over):

⚠**i** **The NE602/SA602 integrated circuits (ICs) have been replaced by surface-mount RoHS compliant SA612AD ICs. The SA612AD ICs are furnished pre-installed on tiny printed circuit "carrier" boards that mount in the spaces originally provided for the 8-pin dual in-line (DIP) parts. The new parts are supplied in ESD-safe bags marked *SA612AD mounted on SMT1A*. There are two identical ICs, each in a separate bag with the wire needed to mount them.**

☐ Locate the two *SA612AD mounted on SMT1A IC* bags. Inside is a length of wire, the IC on small carrier board and an instruction sheet.
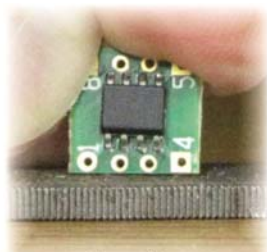
☐ Install the one of the *SA612AD mounted on SMT1A IC* as shown on the instruction sheet at U5.
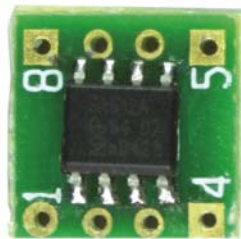
⚠**i** **Modifying one of the *SA612AD mounted on SMT1A IC* carrier boards as described in the next step is essential the optional KXB3080 board to fit. We strongly recommend that you modify the carrier board at this time even if you do not have the KXB3080 option. If you install the board without modifying it, you will need to purchase a new *SA612AD mounted on SMT1A IC* and modify it to replace the existing part if you decide to add the KXB3080 option later.**

☐ Sand or file (with a fine tooth flat file) the remaining *SA612AD mounted on SMT1A IC* on the side with terminals 1 and 4 down to the copper pads as shown below. Place the sandpaper on a firm, flat surface or support the file to produce a clean, straight and flat surface on the edge of the pc board. Sand or file the board down to the edge of the copper pads, but do not cut more away or the pads may separate from the pc board underneath.

HOLD THE BOARD VERTICALLY AND WORK IT BACK AND FORTH ALONG A FINE-TOOTH FLAT FILE OR SANDPAPER
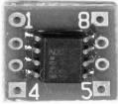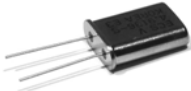
TRIM *ONLY* THE SIDE WITH PADS 1 AND 4 JUST TO THE EDGE OF THE COPPER PADS

Preparing U6 for Installation.

☐ Install the modified *SA612AD mounted on SMT1A IC* at location U6 near the center of the pc board.

3. Page A-8 Parts List: Replace the existing page with the following that shows the changes to U5 and U6.

Photo	Reference Designator	Description	Quan.	Part No.
⚠ ESD Sensitive.	U3	IC, TC4427, dual driver	1	E600077
	U4	IC, LM386N-1, AF amp	1	E600022
	U5,U6	SA612AD mounted on SMT1A carrier board with a length of #24 wire and installation instruction sheet	2	E850727
Pre-installed on board	U7	IC, TPS76427, 2.7V reg, 5-PIN, SMD	1	E600078
⚠ ESD Sensitive.	U8	IC, 78L05, 5-V regulator	1	E600029
	U9	IC, 77L06, Low dropout 6-V regulator	1	E600079
	X2-X5	Crystals, 4.9136 MHz, matched set of 4 (using p/n E660000)	4	E850162
	X1	Crystal, 3.995 MHz, low profile, HC49/US	1	E660020
	Z1	Encoder, 80 Counts, w/PB switch	1	E640018
Pre-Installed on Board	Z2	Oscillator module, 50 MHz, SMD	1	E660021
	HDWR	Shoulder washer	1	E700001