

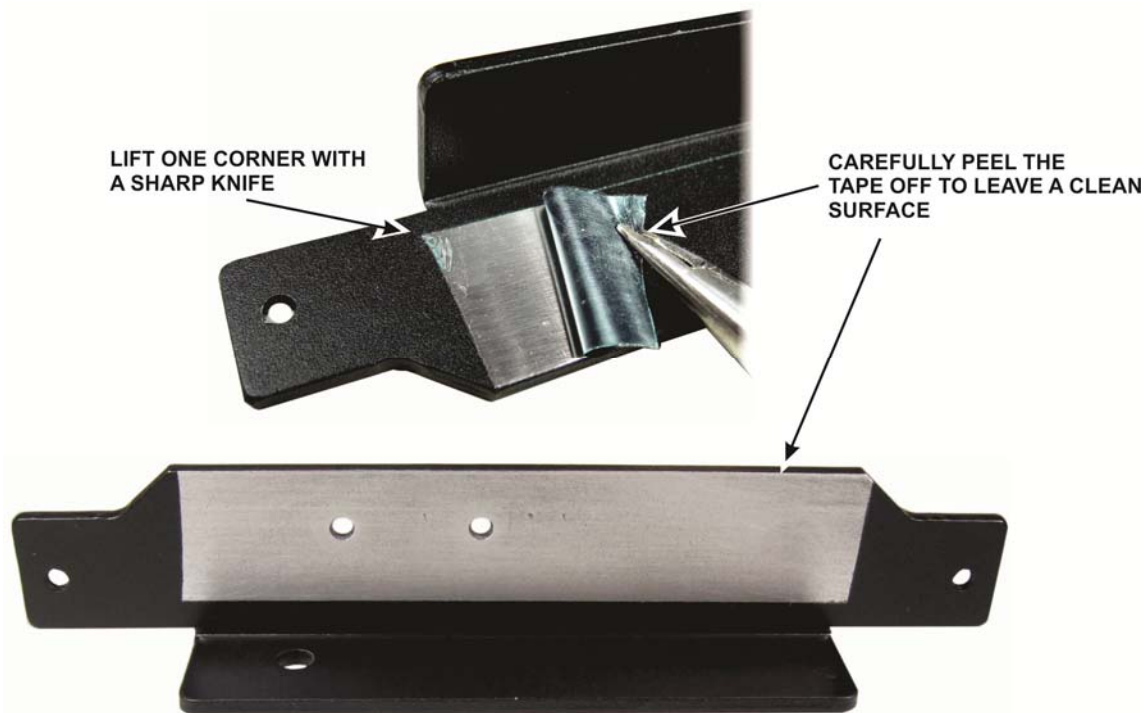
# KX3 KIT ASSEMBLY MANUAL ERRATA

Rev. G5-1, December 10, 2014

## MAKE THESE CHANGES TO YOUR REV G5 MANUAL BEFORE BEGINNING ASSEMBLY

1. **Page 21, First Step and Figure 27:** Delete the step and figure. They show the installation of the heat sink which will be installed later.
2. **Page 24:** Insert the following two steps and illustrations immediately after Figure 33 and before the next step (make a note in the manual to refer to these errata at that point in the assembly procedure).

If you haven't done so already, remove the new heat sink from the paper wrapper. The side of the heat sink that will face the KX3 has been masked keep it free of the powder coating (see figure below). Remove the masking tape covering this area of the heat sink. The tape is strong. You can peel up one corner with a sharp tool and then pull the tape off of the metal as shown in the figure.



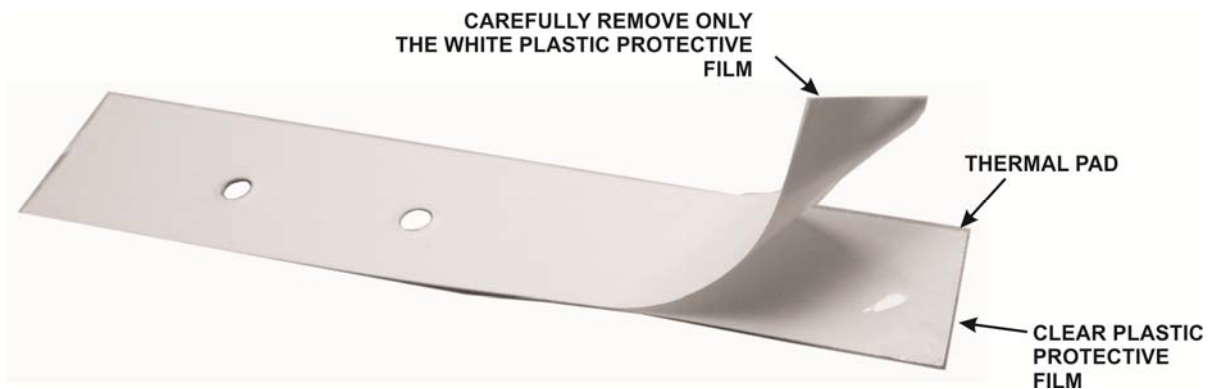
**Removing Tape from the Heat Sink.**

Lay the heat sink down on your work table as shown below with the two 4-40 flat head screws in the holes as shown. The screw size is not important. They are there only to help you align the thermal pad over the bare metal area. (The figure shows two 3/8" {9.5mm} screws.)



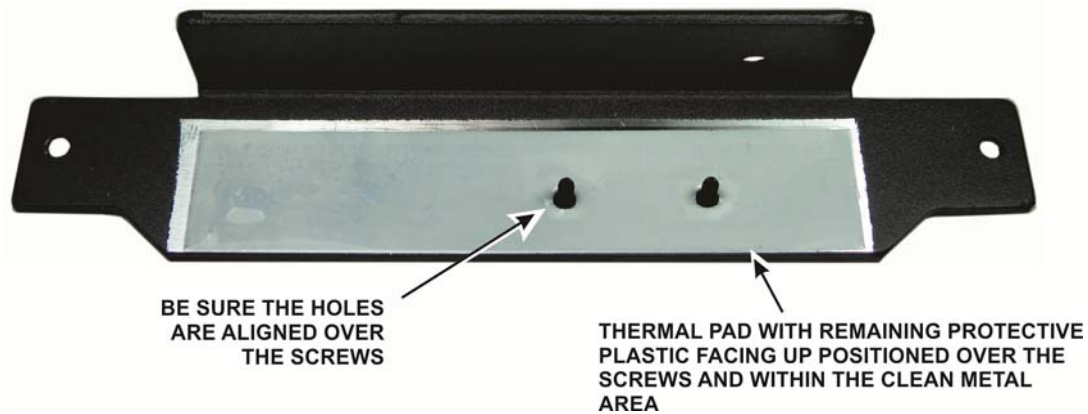
#### Heat Sink Ready for Thermal Pad.

Locate the thermal pad and carefully separate the white protective coating from one side. There are three layers: a clear plastic protective film, the thermal pad itself, and a white plastic protective film. The three layers are shown in below. **Remove only the white plastic protective film to expose the adhesive surface underneath.** A sharp knife is handy for separating the layers. Work carefully to avoid separating the clear plastic protective film from the thermal pad. The thermal pad wrinkles easily if it is allowed to separate from the clear plastic, and will not work properly unless it remains flat.



#### Preparing the Thermal Pad.

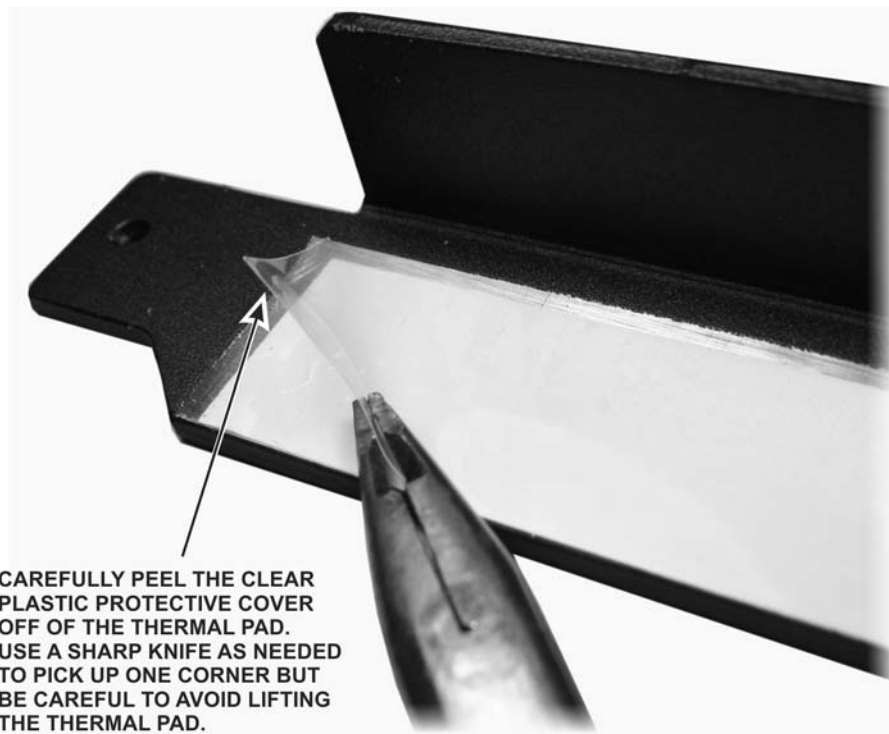
Carefully position the thermal pad on the heat sink as shown the figure below. Be sure the adhesive side is against the metal and the clear plastic protective film is facing upward. Rub the center area of the thermal pad to help it adhere to the metal. Remove the screws and return them to the proper parts envelope.



### Placing the Thermal Pad on the Heat Sink.

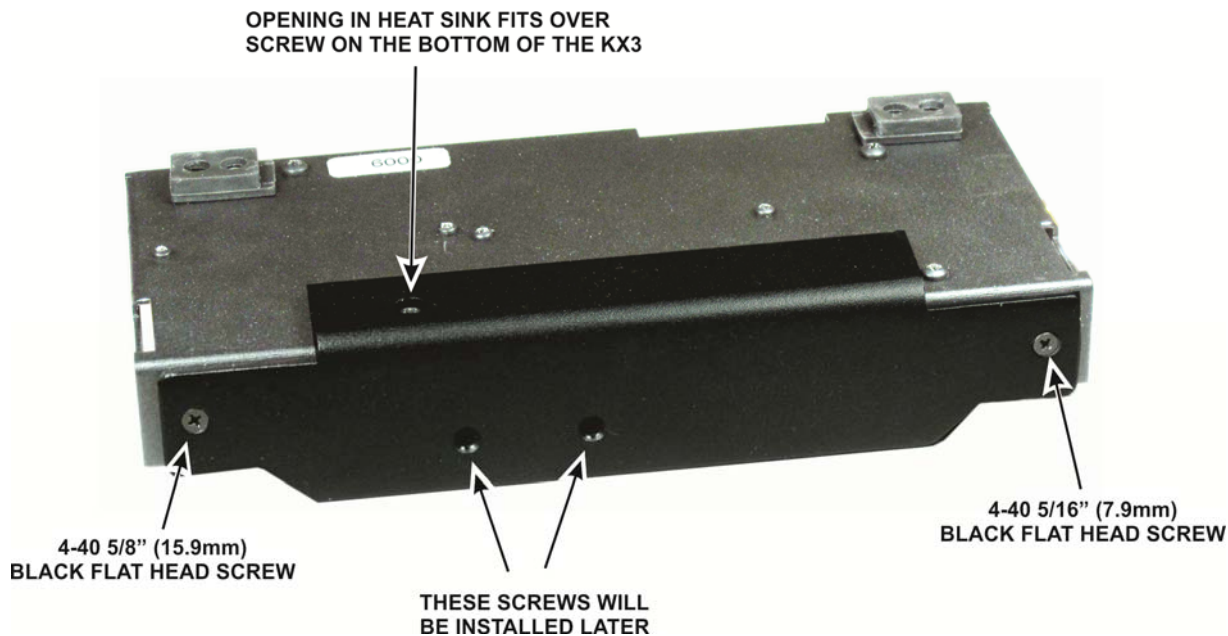
Remove the clear plastic protective cover from the thermal as shown below. Be sure the thermal pad remains attached to the metal and does not fold or wrinkle.

**⚠ Keep the exposed adhesive surface of the thermal pad clean.**



### Removing the Clear Plastic Protective Cover from the Heat Sink.

□ Place the KX3 bottom cover assembly upside down as shown below. Attach the cover with the black flat head screws as shown. Carefully place the heat sink on the enclosure and secure it with the screws shown. The thermal pad presses against the powder coating on the bottom cover. Although the thermal pad is tacky, the heat sink can be moved as needed to align the screw holes.



### Mounting the Heat Sink on the Bottom Cover

3. **Page 28, Figure 41:** Change the length of the screws used from 5/16" (7.9 mm) to 3/8" (9.5 mm).
4. **Page 30:** Before installing the KXFL3 filter module (if applicable), remove the heat sink mounting screw at that end of the bottom cover to provide clearance for the KXFL3 board to be inserted into J3. After the KXFL3 board is installed replace and tighten the screw. It should pass through the opening in the KXFL3 module to keep it from being jarred loose in the event the KX3 is handled roughly.

5. **Page A6 (Parts List):** Delete the heat sink shown (part number E100446). Insert the following parts at the bottom of the page.

ILLUSTRATION	DESCRIPTION	QTY.	ELECRAFT PART NO.
	Enhanced Heat Sink (wrapped)	1	E850677
	Thermal Pad Handle with Care. Do not remove the protective film from either side until instructed to do so.	1	E100546

**KX3HSMDKT HDWR BAG E850676 (Envelope)**

ILLUSTRATION	DESCRIPTION	QTY.	ELECRAFT PART NO.
	4-40 3/8" (9.5mm) Black Flat Head Screw	2	E700176
	4-40 5/8" (15.9mm) Black Flat Head Screw	1	E700307
	4-40 5/16" (7.9mm) Black Flat Head Screw	1	E700249

Note that you may find extra screws in your kit that the above screws replaced.