

SINGGARS...

# Packing and Shipping CCAs



RETURNING AN UNSERVICEABLE BUT REPAIRABLE CIRCUIT CARD ASSEMBLY (CCA) REQUIRES **CORRECT HANDLING, PACKING AND SHIPPING.**

IF THESE THREE THINGS ARE **NOT** DONE RIGHT, YOU MIGHT FURTHER DAMAGE THE CCA AND INCUR MORE REPAIR COSTS AND REPAIR TIME.

BEFORE YOU REMOVE AN UNSERVICEABLE CCA, MAKE SURE YOU ARE PROPERLY GROUNDED TO PREVENT ELECTROSTATIC DISCHARGE (ESD).

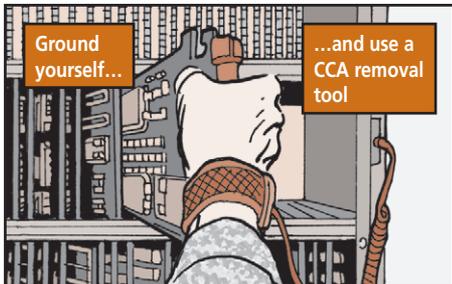
ESD WILL DO **EVEN MORE DAMAGE** TO THE CCA.

HERE'S WHAT YOU NEED TO KNOW!

Using a circuit card removal tool, remove the CCA and put it in an ESD bag. These bags must conform to MIL-DTL-117H, Type I, Class F or MIL-DTL-81997D, Type I or II.

The easiest ESD bags to use are the resealable ones. If you use a non-resealable bag, tape it shut using tape that conforms to ASTM D 5330 or ASTM D 5486 like NSN 7510-00-297-6655 or NSN 7510-00-297-6656.

Ground yourself...

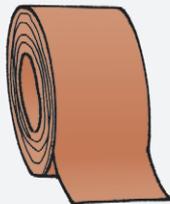


...and use a CCA removal tool

Use safe pouches



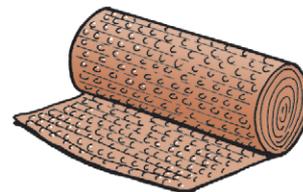
Use the right tape



**Do not use cellophane tape!** It builds up a static charge when pulled from the roll and could damage the CCA.

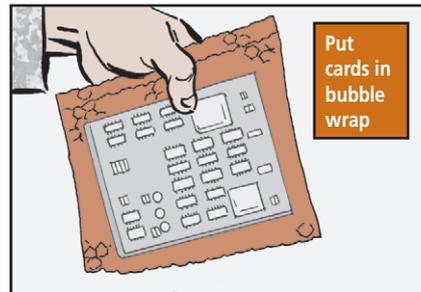
Now, remove the replacement CCA from its shipping box and use that box and all its packing material to ship back the unserviceable CCA. Securely tape the box shut. Clearly mark the outside of the box with the NSN of the CCA and the words "Condition Code F" or just "Bad CCA."

If you do not have a designated CCA shipping box, wrap the unserviceable ESD-bagged CCA in pink bubble wrap. Wrap the bubble wrap in non-cellophane tape to make sure the CCA does not shift within the bubble wrap during transit to the repair facility.

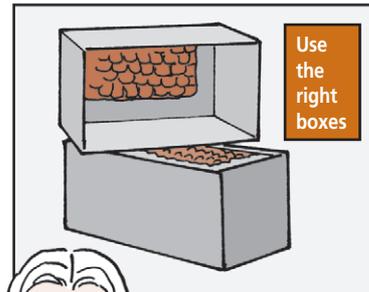


Use pink bubble wrap

Put cards in bubble wrap



Use the right boxes



MARK THE BUBBLE WRAP WITH THE NSN OF THE CCA AND WORDS "CONDITION CODE F" OR "BAD CCA."

SECURE THE WRAPPED AND IDENTIFIED UNSERVICEABLE CCA IN A SHIPPING CONTAINER THAT APPROXIMATES THE SIZE, SHAPE AND DURABILITY OF THE ORIGINAL CCA BOX.

