G.R.I. MODEL 702 STEEL ENCLOSURE

ASSEMBLY INSTRUCTIONS

Read carefully before assembly

NOTE: The 702 enclosure is available for either G.R.I. Model 753 or 756 Keyboards. Be sure you have an enclosure which is pre-cut for your unit.

IMPORTANT: TO AVOID DAMAGING THE KEYBOARD ENCODER IC, DO NOT REMOVE THE PROTECTIVE CONDUCTIVE FOAM UNTIL ASSEMBLY IS COMPLETE!

STEP 1   Open the package and verify all parts are included in your kit:

1 Enclosure top (blue)   1 Enclosure bottom (black)
2 Support rails ("C" channel)
4 #8 1/4 x 7/8" Spacers   4 #8 1/4 x 3/16" Spacers
4 #8 x 1/4" Hex nuts   1 SPDT slide switch
2 4-40 x 3/8" bolts   2 4-40 x 1/4" Hex nuts
1 Rubber grommet   4 #6 Screw-type rubber feet
4 1/2" square self-adhesive rubber bumpers

STEP 2   Since #8 hardware is used to mount the keyboard, it will first be necessary to enlarge the holes in your keyboard pc board. Use a 3/16" (.187") dia. drill to allow room for fixturing. Redrill 4 holes.

STEP 3   Mount the slide switch, using the #4 hardware to the back panel. The switch is intended to be wired up to select between normal, and upper-case-only operation. Wire the switch as shown for this use:

B6A (normal)

KEYBOARD DATA OUTPUTS ———————————— TO INTERFACE BIT 6 INPUT

B6B (UC-only)
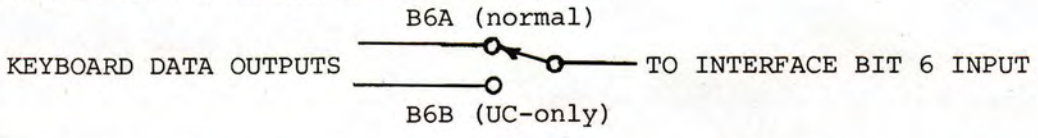
STEP 4   Insert the rubber grommet in the oval-shaped hole in the back panel. This hole allows use of either flat or round cable.

STEP 5   Prepare the two support rails by sticking a self-adhesive pad on each end, about 3" from the end. Peel off the backing and position the pads as shown:
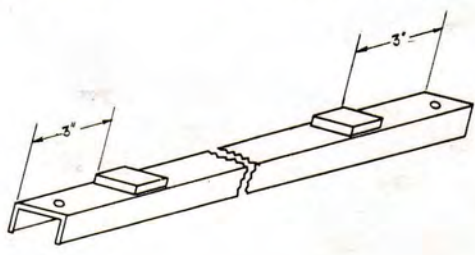
ASSEMBLY   INSTRUCTIONS

STEP 6   MOUNT THE KEYBOARD: (See pictorial)
A. Slide a 7/8" spacer over each of the four weld studs.
B. Slide the keyboard into position against the spacers.
C. Slide a 3/16" spacer over the weld studs where they protrude
    through the keyboard pc board.
D. Position the support rails on top of the short spacers, and check to be
    sure the rubber pads contact the board in an area which is clear of terminals,
    solder pads, etc. Move them if needed.
E. Finally, install the #8 hex nuts on the studs, inside the opening of the
    channel. A "nut-starter" is handy, and either a nutdriver or long-nosed
    pliers may be used to tighten the nuts securely.
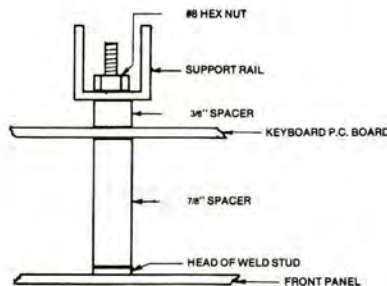
STEP 7   The Keyboard should be rigidly fastened to the front panel of the enclosure.
Properly installed, the support rails will eliminate the flexing common to key-
boards on 1/16" stock. There should be a uniform gap all the way around the keys.
Loosen the nuts and adjust the position of the keyboard slightly if necessary.

STEP 8   You may proceed now to wire up your interface connector. Wire in the slide
switch as shown, if desired. Use a 15 pin, dual card edge connector (Cinch
#251-15-30 not included). Follow keyboard documentation to insure correct
hookup. Only after double-checking supply voltages should power be applied,
and the protective foam removed.

STEP 9   When the keyboard has been verified as operational, assemble the enclosure by
mounting the top and bottom sections together and fastening them with the #6
rubber feet.

STEP 10 The assembly is now complete, and ready to take its place on your desktop.

Ordinary care will preserve the appearance of the enclosure for years, and will
safeguard the function as well. Avoid dust, liquids, and other foreign material,
especially around the keyswitch area. When not in use, store the keyboard out
of direct sunlight, and in a clean place. For cleaning, use ordinary soap and
water, not solvents, to avoid damaging the paint surface. The tough steel sur-
face holds paint much better than aluminum, and the baked enamel wrinkle finish
should last for years.

HAPPY KEYBOARDING!!!