

FCN 007



FIELD CHANGE NOTICE

MODEL: 2800

DATE: 9/3/76

EFFECTIVITY: All Odysseys with
4023 FiltersEST. TIME TO COMPLETE:
One Hour

REASON FOR CHANGE:

4023 Module obsolete.

MATERIAL REQUIRED:

- (1) 100K ¼W 1%
- (3) 680K ¼W 10%
- (10") wire (coated)

DETAILS OF CHANGE:

The following steps outline the procedure for converting older style 2800 board C-1 to accept either 4035 or 4075 filter modules.

STEP 1:

Control Input Change:

- a. Disconnect pin 6 of A1 from pin 3 of the 4023 module.
- b. Add 100K ¼W 1% resistor in series with A1 pin 6 to pin 4 of the 4023 module.

STEP 2:

Rewire VCF Balance:

- a. Remove trimmer T4.
- b. Replace T4 with a 100 ohm trimmer but do not connect the arm of pot to the -15 supply (see illustration).
- c. Connect the arm of T4 to pin 3 of the 4023 module.

STEP 3:

Rewire Resonance Slider:

- a. Remove the ground connection from the top end of P2 and connect it to the bottom end of P2.
- b. Remove pin 10 of the 4023 module from the bottom end of P2 and connect it to the top end of P2.
- c. Remove R64 (entirely).

STEP 4:

Changing Audio Input

- a. Replace R1, R2, R3 each with 680K ohm resistors.
- b. Adjust T1 at VCA to compensate for reduced audio out at the filter.
- c. Adjust the Balance trimmer for minimum common mode rejection (apply an ADSR signal on the front panel and adjust for minimum DC bleed-through on the output (pin 10) of the filter module.

NOTE: ONCE THIS MODIFICATION IS COMPLETE, THE ODYSSEY WILL ONLY ACCEPT A 4035 OR 4075 MODULE.

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