

PRODUCTION CHANGE SHEET
FOR
406-420 MC TRANSMITTER MODELS 4ET24A1, 11 REV. E

The changes listed below are identified by the letter appearing in the REV pad on the unit nameplate.

REV. A

To improve receiver sensitivity by reducing conducted and radiated noise. To eliminate oscillations when 12AX7 is used for the audio amplifier.

<u>Part Changed</u>	<u>Was</u>	<u>Changed To</u>
C200	Added.	Capacitor, fixed ceramic: 100 pf $\pm 20\%$, 500 VDCW; sim to Erie 331-HI-K. G-E Dwg. 7483722-P1.
C208	Added.	Capacitor, electrolytic tubular; 50 μ f $+100\%$ -10% , 500 VDCW. Sim to Sprague 30D200A1. G-E Dwg. 7489483-P25.

Elementary Diagram Changes

Add capacitor C200 between XV108-2 and XV108-3. Add capacitor C208 from TB5-3 (negative lead) to the center of XV103 which is ground (positive lead).

REV. B

To improve tuning by providing a more positive indication at the PA Grid.

<u>Part Changed</u>	<u>Was</u>	<u>Changed To</u>
R273	Added.	Resistor, fixed composition: 5600 ohms $\pm 10\%$, 1/2 watt.

Elementary Diagram Changes

Add resistor R273 between TB5-1 and TB5-3.

FILE 3044

REV. C

To reduce power supply noise in the oscillator circuits.

<u>Part Changed</u>	<u>Was</u>	<u>Changed To</u>
R140 and R141	Added to ET24A11 only	Resistor: fixed composition: 56 ohms $\pm 10\%$, 1/2 w. G-E Part No. 3R77-P560K.
R142	Added	Resistor, fixed composition: 56 ohms $\pm 10\%$, 1/2 w. G-E Part No. 3R77-P56K.
C140 and C141	Added to Model 4ET24A11 only	Capacitor; Tantalum, dry solid tubular: 22 μf $\pm 20\%$, 15 VDCW. Sim to Sprague 150D226X0015B2. G-E Part No. 5496267-P10.
C142 and C143	Added.	Capacitor: fixed ceramic disc: 0.1 μf $+80\%$ -25% , 500 VDCW; sim to Sprague 36C190A. G-E Part No. 7488160-P3.

Elementary Diagram Changes

Added TB-18 between TB-11 and TB12. Deleted jumper between TB13-1 and TB13-2. Added R140 between TB13-1 and TB13-2, R141 between TB12-1 and TB18-2, R142 between TB12-1 and TB18-1, C140 between TB13-2 and TB13-3, C142 between TB12-2 and TB13-3 and C143 between TB18-1 and TB11-3.

REV. D

To correct EIA response and insure audio stability.

<u>Part Changed</u>	<u>Was</u>	<u>Changed To</u>
C200	Capacitor: Fixed ceramic, 100 pf $\pm 20\%$, 500 VDCW.	Deleted

Elementary Diagram Changes

Removed C200 from pins 2 and 3 of XV108.

REV. E

To improve audio frequency response to comply with EIA standards.

<u>Part Changed</u>	<u>Was</u>	<u>Changed To</u>
C150	Added	Capacitor: Polyester, 0.47 μ f \pm 20%, 100 VDCW. G-E Part No. 19A115028-P19.
C154	Added	Capacitor: Polyester, 1.0 μ f \pm 20%, 100 VDCW. G-E Part No. 7491930-P13.
C155	Added	Capacitor: Cermaic disc, 0.1 μ f +80% -25%, 500 VDCW. G-E Part No. 7488160-P3.
C156	Capacitor: Paper, Molded Plastic; 0.01 μ f \pm 20%, 400 VDCW.	Deleted
C157	Capacitor: Ceramic; 100 pf \pm 20%, 500 VDCW.	Deleted
R154	Resistor, Fixed composition, 0.10 megohm \pm 10%, 1/2 w.	Resistor: Fixed composition, 0.22 metohm \pm 10%, 1/2 w. G-E Part No. 3R77-P224K.

Elementary Diagram Changes

Added: C150 between XV107-3 to TB15-8; C154 between TB15-5 and TB15-2; and C155 between TB15-4 and TB15-6. Deleted: C156 between TB15-4 and TB15-6; and C157 between XV107-7 and XV107-8.

COMMUNICATION PRODUCTS DEPARTMENT
GENERAL ELECTRIC COMPANY
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