PRODUCTION CHANGE SHEET
FOR
RECEIVER MODELS 4ER25C3,4,13 & 14, REV. L
RECEIVER MODELS 4ER25C5 & 15, REV. D

Changes listed below are identified by the letter appearing in the REV. pad.

REV. A - (Models 4ER25C3,4,13 & 14 only)

Lowered residual noise under squelch conditions and increased the spurious response attenuation.

Part Changed	Was	Changed To
R343	Resistor: composition, 47,000 ohms ±10%, 1/2 w. G-E Part 3R77-P473K.	Replaced by 408.
R408	Added in place of R343.	Resistor: composition, 0.22 megohm ±10%, 1/2 w. G-E Part 3R77-P224K.
C411	Added.	Capacitor: ceramic, Hi-K disk, 0.02 mfd +80% -20%, 450 VDCW. Sim to Centralab DA-145. G-E Dwg. 7488160-P2.
C412 and C413	Added.	Capacitor: ceramic disk, insulated, 6000 mmfd ±20%, 500 VDCW. Sim to RMC JF Discap. G-E Dwg. 5494481-P19.

Elementary Diagram Changes

R343, 47 K was replaced by R408, 220 K.
C411, .02 MF was added between XV311-7 and XV311-5.
C412, .006 MF was added between XV302-4 and XV302-5.
C413, .006 MF was added between XV304-4 and XV304-9.

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REV. B - (Models 4ER25C3,4,13 & 14 only)

Mechanical Simplification

Part Changed	Was	Changed To
C339	Capacitor: ceramic Hi-K disk, 0.02 mfd +100% -0%, 500 VDCW. G-E Dwg. 7774750-P15.	Deleted.
C394	Capacitor: ceramic Hi-K disk, 0.02 mfd +80% -20%, 450 VDCW. Sim to Centralab DA-145. G-E Dwg. 7488160-P2.	Deleted.
C414	Added in place of C339 and C394.	Capacitor; Mylar-dielectric, 0.047 mfd, ±20%, 50 VDCW. Sim to Goodall 601PE. G-E Dwg. 5491189-P4.

Elementary Diagram Changes

C339, .02 MF and C394, .02 MF were replaced by C414, .047 MF.

REV. C - (Models 4ER25C3,4,13 & 14 only)

Allows operation of squelch in the center of squelch control.

Part Changed	Was	Changed To
R344	Resistor: composition; 24,000 ohms ±5%, 1/2 w. G-E Part 3R77-P243J.	Replaced by R412.
R412	Added in place of R344.	Resistor: composition, 20,000 ohms ±5%, 1/2 w. G-E Part 3R77-P203J.

Elementary Diagram Changes

R344, 24K was replaced by R412, 20K.

REV. D - (Models 4ER25C3,4,13 & 14 only)

Raises maximum squelch sensitivity.

Part Changed	Was	Changed To
R412	Resistor: composition, 20,000 ohms ±5%, 1/2 w. G-E Part 3R77-P203J.	Resistor: composition, 27,000 ohms ±5%, 1/2 w. G-E Part 3R77-P273J.

Elementary Diagram Changes

Changed R412, 20K to R412, 27K.

REV. E - (Models 4ER25C3,4,13 & 14 only)

Provides greater squelch rotation between open and critical squelch.

Part Changed	Was	Changed To
R340	Resistor: composition, 0.39 megohms ±10%, 1/2 w. G-E Part 3R77-P394K.	Replaced by R415.
R415	Added in place of R340.	Resistor: composition, 0.27 megohms ±10%, 1/2 w. G-E Part 3R77-P374K.

REV. F - (Models 4ER25C3,4,13 & 14 only)

To improve clipping characteristics.

Part Changed	Was	Changed To
R355 and R408	Resistor: composition, 0.22 megohm ±10%, 1/2 w. G-E Part 3R77-P224K.	Deleted
R412	Resistor: composition, 27,000 ohms ±5%, 1/2 w. G-E Part 3R77-P273J.	Resistor: composition, 24,000 ohms ±5%, 1/2 w. G-E Part 3R77-P243J.
R419	Added.	Resistor: composition, 47,000 ohms ±10%, 1/2 w. G-E Part 3R77-P473K.

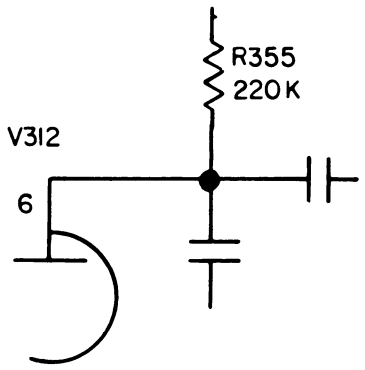
REV. F (Cont'd)

Part Changed	Was	Changed To
R420	Added.	Resistor: composition, 68,000 ohms ±10%, 1/2 w. G-E Part 3R77-P683K.
R421	Added.	Resistor: composition, 0.15 megohm ±10%, 1/2 w. G-E Part 3R77-P154K.
C424	Added.	Capacitor: ceramic Hi-K disk, 0.02 mfd +80% -20%, 450 VDCW. Sim to Centralab DA-145. G-E Dwg. 7488160-P2.

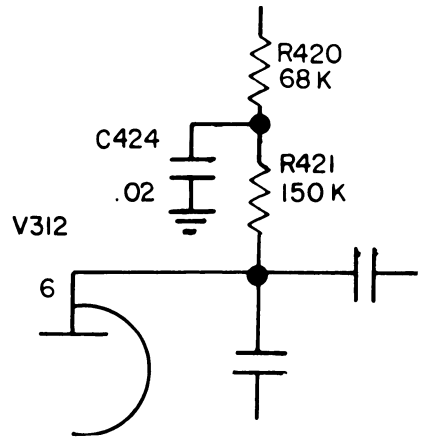
Elementary Diagram Changes

R408, 220K was changed to read R419, 47K
R412, 27K was changed to read R412, 24K

Was:



Changed To:



REV. G - (Models 4ER25C3,4,13 & 14 only)

To add tone filter and to protect capacitor in noise amplifier cathode.

Part Changed	Was	Changed To
C334	Capacitor, silver mica dipped, phenolic insulation 1000 mmf ±10%. G-E Dwg. 7147203-P108.	Deleted.

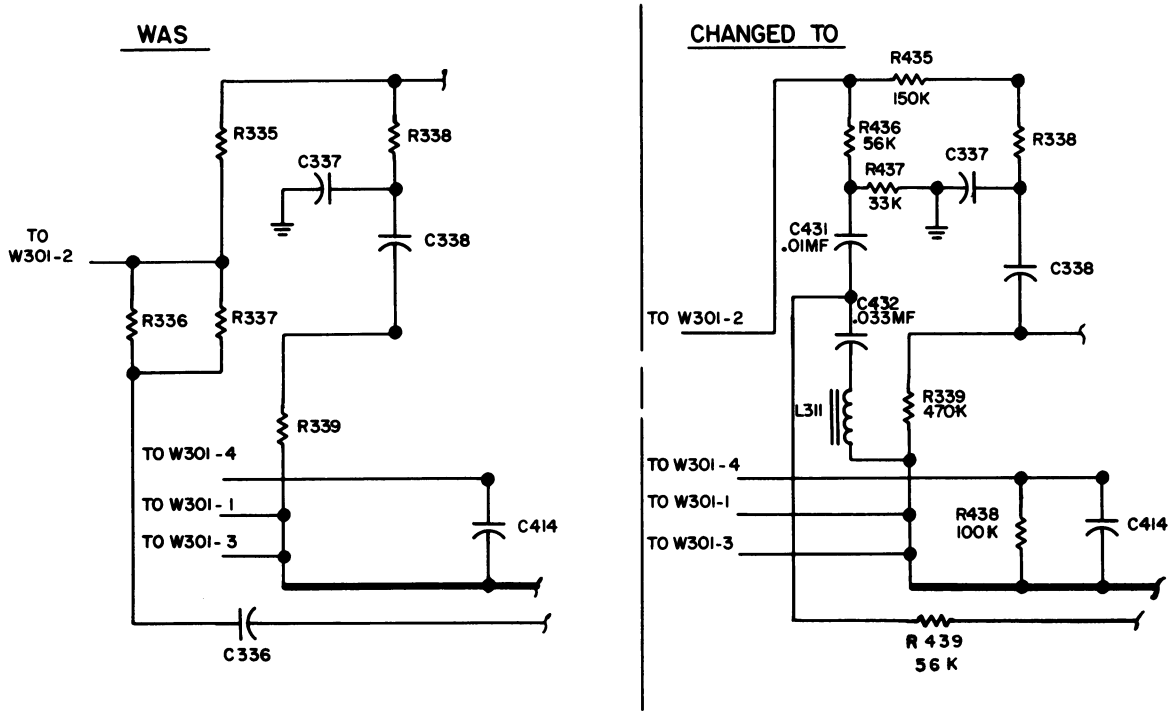
REV. G (Cont'd)

Part Changed	Was	Changed To
C430	Replaces C334.	Capacitor, 2200 mmf ±10%, G-E Dwg. 7147203-P16.
R335	Resistor: composition, 220K ohm ±10%. G-E Dwg. 3R77-P224K.	Deleted.
R435	Replaces R335.	Resistor: composition, 150K ohm ±10%. G-E Dwg. 3R77-P154K.
R336	Resistor: composition, 680K ohm ±10%. G-E Dwg. 3R77-P684K.	Deleted.
R337	Resistor: composition, 330K ohm ±10%. G-E Dwg. 3R77-P334K.	Deleted.
R436	Replaces R337.	Resistor: composition, 56K ohm ±10%. G-E Dwg. 3R77-P563K.
R437	Added.	Resistor: composition, 33K ohm ±10%. G-E Dwg. 3R77-P333K.
C431	Added.	Capacitor, ceramic, Hi-K disc, .01 mf. G-E Dwg. 7488160-P1.
C432	Added.	Capacitor, Mylar dielectric, .03 mf. G-E Dwg. 5491189-P3.
L311	Added.	Inductor, 25 hy ±2.5 hy. G-E Dwg. 5496760-P1.
R438	Added.	Resistor: composition, 100K ohms ±10%. G-E Dwg. 3R77-P104K.
R439	Added.	Resistor: composition, 56K ohms ±10%, 1/2 w. G-E Dwg. 3R77-P563K.

REV. G (Cont'd)

Part Changed	Was	Changed To
C336	Capacitor, fixed ceramic disk, single unit, tinned copper leads, 0.01 uf, +80% -20%, 450 VDCW. Sim to Centralab DA-048. G-E Dwg. 7488160-P1.	Deleted.

Elementary Diagram Changes



REV. A (Models 4ER25C5, 15 only)
REV. H (Models 4ER25C3,4,13, 14 only)

To improve squelch reliability at high line voltages and to improve receiver sensitivity.

Part Changed	Was	Changed To
L311	Inductor, DC res 600 ohms, ind 25 h ±2.5 h. G-E Dwg. 5496760-P1.	Deleted.
R348	Added.	Resistor: composition, 0.15 megohms ±10%, 1/2 w. G-E Dwg. 3R78-P154K.

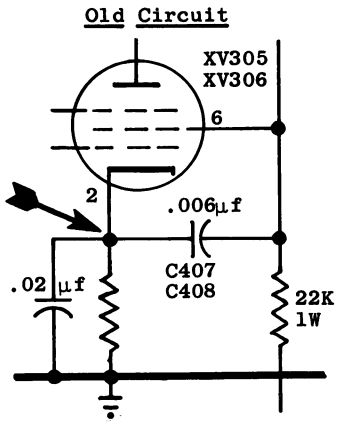
REV. A (Cont'd)

Part Changed	Was	Changed To
R387	Resistor: composition, 0.20 megohms ±5%, 1/2 w. G-E Dwg. 3R77-P204J.	Deleted.
R440 and R441	Added.	Resistor: composition, 10 ohms ±10%, 1 w. G-E Dwg. 3R78-P100K.

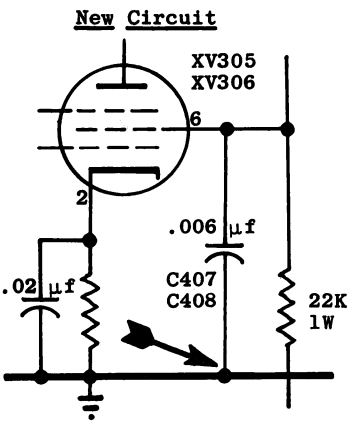
Elementary Diagram Changes

Remove L311. Remove R387 and replace with R348. Change connections of C407 from XV305-2 to XV305-G1 and C408 from XV306-2 to XV306-G1.

Was



Changed To



REV. B (Models 4ER25C5, 15 only)
REV. J (Models 4ER25C3,4,13 & 14 only)

To facilitate assembly and improve serviceability.

REV. B (Cont'd)

Part Changed	Was	Changed To
R431	Added.	Resistor, wirewound; 5.1 ohms ±5%, 2 w. G-E Dwg. 19B209022-P32.
R440 and R441	Resistor: composition, 10 ohms ±10%, 1 w. G-E Dwg. 3R78-P100K.	Deleted.

Elementary Diagram Changes

R440 and R441 were replaced by R431.

REV. C (Models 4ER25C5, 15 only)
REV. K (Models 4ER25C3, 4, 13 and 14 only)

To facilitate manufacturing, Part No. of T318 and T319 changed.

Part Changed	Was	Changed To
T318	Transformer. G-E Dwg. 7487564-G5.	Deleted.
T319	Transformer. G-E Dwg. 7487564-G6	Deleted.
T342	Added in place of T318.	Transformer. G-E Dwg. 7487564-G12
T343	Added in place of T319.	Transformer. G-E Dwg. 7487564-G13.

Elementary Diagram Changes

T318 replaced by T342 and T319 replaced by T343.

REV. D - (Models 4ER25C5, 15 only)
REV. L - (Models 4ER25C3,4,13 and 14 only)

To improve squelch clipping performance.

Part Changed	Was	Changed To
C341 and C342	Capacitor, ceramic disk, insulated, temp. compensating; 100 mmfd +10%, 500 VDCW, -750 temp. coef. G.E. Dwg.7774846-P621.	Deleted
C439	Added	Capacitor, silver mica, dipped phen.: radial leads, 2700 pf +10%, 500 VDCW; Sim to Electro Motive DM-20. G.E.Dwg. 7147203-P118.
C440	Added	Capacitor, silver mica, dipped phen.: 510 pf +10%, 300 VDCW; sim to Electro Motive DM-15. G.E.Dwg. 7489162-P144.
C441	Added	Capacitor, silver mica, dipped phen: 330 pf +10% 500 VDCW; sim to Electro Motive DM-15. G.E. Dwg. 7489162-P139.
L310	Added	Choke, RF: 220 mh +20%, 2.4 ma, 52 ohms; sim to Aladdin 33-173. G.E.Dwg. 5492276-P7.
R348	Resistor, Comp.: 0.15 megohm +10%, 1/2 w. G.E. Dwg. 3R77-P154K.	Deleted
R412	Resistor, comp.: 24,000 ohms +5%, 1/2 w. G.E. Dwg. 3R77-P243J.	Deleted
R440	Added	Resistor, comp.: 0.18 megohm +10%, 1/2 w. G.E.Dwg. 3R77-P184K.
R441	Added	Resistor, comp.: 75,000 ohms +10%, 1/2 w. G.E. Dwg. 3R77-P753K.

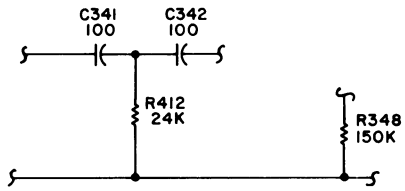
REV. D (Cont'd).

Part Changed	Was	Changed To
R442	Added	Resistor, comp.: 0.39 megohms +10%, 1/2 w. G.E. Dwg. 3R77-P394K.
R443	Added	Resistor, composition: 0.30 megohms, +10%, 1/2 w.

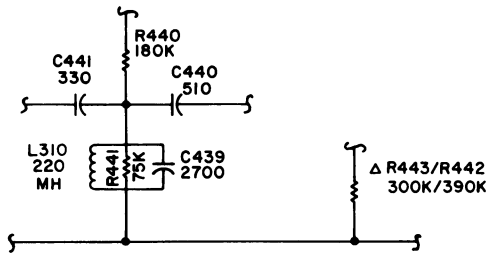
Elementary Diagram Changes

Ground connection of C337 changed from TB8-20 to XV309-G1.

From



To



Δ - TO BE SELECTED AT TEST FOR OPTIMUM SQUELCH PERFORMANCE.

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