

TMC SPECIFICATION

NO. S 1042

REV: QA

COMPILED: ZS 3/7/66

CHECKED: ZS

APPD: [Signature]

SHEET 1 OF 4

TITLE: STR-2 to STR-2C LIST CONVERSION

51042

A. TO CONVERT AN STR-2 TO AN STR-2C, MAKE THE FOLLOWING CHANGES TO THE STR-2 LIST.

1. Dele 1 ea CH397; CHART,UNIT BKDN: U/O STR-2.
2. Dele 1 ea CK817; DIAG,SCHEM; U/O STR-2.
3. Dele 1 ea CA480-114-24; CBL ASSY,RF; U/O A4025; Sym W1501.
4. Dele 1 ea FX195-2; FIL,BP,4KC BW; U/O A4020; Sym FL1801.
5. Dele 1 ea TX106; TRANSISTOR; U/O A4020; Sym Q1810.
6. Dele 1 ea TX108; TRANSISTOR; U/O A4020; Sym Q1805.
7. Dele 1 ea RV111U503A; RES,VAR-COMP; U/O A4020; Sym R1822.
8. Dele 1 ea JJ172; CONN,RECP,RF,BNC; U/O CA480-114-24; Sym J1502.
9. Dele 24 ea RG174/U; CBL,RF; U/O CA480-114-24.
10. Add 1 ea CK1031; DIAG,SCHEM; U/O STR-2C.
11. Add 1 ea CA480-96-6; CBL ASSY,RF; U/O A4025; Sym W1501.
12. Add 1 ea CA480-15-12; CBL ASSY,RF; U/O A4025; Sym W1502.
13. Add 1 ea ST22N; SW,TOGGLE-DPDT; U/O A4025; Sym S1513.
14. Add 1 ea RV106UX8B503A; RES,VAR-COMP; U/O A4025; Sym R1556.
15. Add 1 ea FX254-XXX; FIL,BP-ANT.; U/O A4025; Sym FL1501; FREQ PER CUSTOMERS REQUEST. (SUPPORTING LIST).
16. Add 1 ea UG914*/U; ADPT,CONN-BNC; U/O A4025; Sym CP1501.
17. Add 1 ea LD2038/MS4838; BRKT,MTG,SW; U/O A4025.
18. Add 1 ea MS4838; BRKT,MTG,SW; U/O LD2038.
19. Add 1 ea FC102-3XXN; CLIP,ELEC,FRL; U/O A4025; U/T/M UG914*/U.
20. Add 4 ea NTH0632BN8; NUT,PLN,HEX; U/O A4025; U/T/M MS4838 (2), FX254 and FC102 (2).
21. Add 4 ea SCBP0632BN6; SCR,MACH; U/O A4025; U/T/M MS4838 (2), FX254 and FC102 (2).

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22. Add 4 ea LWE06MRN; WASH.,LK,EXT; U/O A4025; U/T/M MS4838 (2), FX254 and FC102 (2).
23. Add 1 ea FX195-3; FIL,BP,6KC BW; U/O A4020; Sym FL1801.
24. Add 1 ea 2N697; TRANSISTOR; U/O A4020; Sym Q1810.
25. Add 1 ea 2N404A; TRANSISTOR; U/O A4020; Sym Q1805.
26. Add 1 ea JJ172; CONN,RECP,RF,BNC; U/O CA480-15-12; Sym J1502.
27. Add 18 ea RG174/U; CBL,RF; U/O CA480-15-12 (12), CA480-96-6 (6).
28. Add 2 ea PL244-1; CONN,PL,RF,BNC; U/O CA480-15-12 (1), Sym P1502 and CA480-96-6 (1), Sym P1501.
29. Add last symbols CP1501, FL1501, P1502, and chg W1501 to W1502.
30. Add missing symbols R1822 and dele missing symbol S1513.

B. MODIFICATION INSTRUCTIONS:

1. Install S1513 on new bracket in vacent area immediately behind the RF module compartment.
2. Wire as indicated in CK1031 as follows:
 - a. Connect an orange lead from terminal 12 of TB1501 to the lower rear switch terminal.
 - b. Connect a red lead from terminal 11 of TB1501 to the upper rear switch terminal.
 - c. Disconnect one orange wire from the (-) end of C1500 (other end of wire is connected to pin 14 on the AF board). Connect this wire to the lower center switch terminal.
 - d. Run a wire from the (-) end of C1500 to the lower front switch terminal.
 - e. Remove two red wires from (+) end of C907.
 - (1) Other end connected to wiper of SB switch.
 - (2) Other end connected to tie point near squelch pot. Connect both wires to top center switch terminal.

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- f. Remove one red wire from pin 17 of power supply board (other end connected to pin 11 of AF board). Connect it to same switch lug as the two wires in step 2.e (2).
 - g. Run a wire from the (+) end of C910 to the upper front switch terminal.
3. Hand stamp chassis adjacent to the new switch S1513 and terminals 11 and 12 on TB1501. Also hand stamp adjacent to S1513 to indicate position of switch for AC and battery operation. (Stamp only if not already indicated)
 4. Replace Q1810, TX106/2N1308 transistor on IF BD A4020 with 2N697.
 5. Replace Q1805, TX108/2N1370-7 transistor in 1st audio amplifier on IF BD A4020 with 2N404A.
 6. Remove line level control (R1822) from IF BD, A4020 and add new one, R1556, to left rear of chassis apron adjacent to and to the left of the antenna connector. Hand stamp "Line" above the control and "Level" below the control. (If necessary)
 7. Remove FX195-2 (FL1801) fr IF BD, A4020 and replace with FX195-3.
 8. Install input filter, FX254-XXX (FL1501), on chassis to rear of RF module. Use 1 ea FC102-3XXN as part of mounting. Hand stamp chassis adjacent to filter. (if necessary)
 9. Remove CA480-114-24 (going to J1502) and add W1501 and W1502 per CK1031.
 10. Snap a UG914*/U into clip that mounts FL1501.
 11. Re-test unit using +12-0 -12 volt D.C. supply. (CAUTION: Observe proper polarity i.e., +24 volts D.C. to terminal 11 of TB1502, -24 volts to terminal 12 of TB1502 and center tap to terminal 9 of TB1502. Reversed polarity will damage unit.)
 12. Upon completion of the foregoing changes, the STR-2 becomes a Model STR-2C.

