

DATE 25/5/61

SH. 1 OF 4

COMPILED BY  
NK/hh

TMC

SPECIFICATION NO. S - 10071

A

TITLE: STEP BY STEP MOD. OF FFR-3 CODAN

JOB

APPROVED

*NK*

*me*

STEP BY STEP MODIFICATION

OF

FFR-3 FOR CODAN OPERATION

T.M.C. (CANADA) LIMITED

OTTAWA

ONTARIO

DATE 25/5/61  
SH. 2 OF 4  
COMPILED BY  
NK/hh

TMC SPECIFICATION NO. S - 10071

TITLE: STEP BY STEP MOD. OF FFR-3 CODAN

JOB

APPROVED

*U. K.*

*AKC*

- 1.) Disconnect capacitor C151 at grounded side.
- 2.) Lift C151 from clip and remove clip.
- 3.) Have chassis, rear apron and front panel drilled according to drawings MS-10533, MS-10535 and MS-10536.
- 4.) Stamp chassis according to drawing LD-10159.
- 5.) Remove cover from bottom of front section.
- 6.) Remove (without disconnecting any joints) phone jack J106 and stand off adjacent to jack from front panel.
- 7.) Mount assembly A-10319 on the rear of front panel. Take care not to injure any wires.
- 8.) Mount phone jack and stand off at their original location.
- 9.) Place harness of A-10319 along  $3/4$  of the length of coaxial cable to modified area of chassis.
- 10.) Solder black wire to ground lug near BFO switch S103.
- 11.) Solder ground side of capacitor C151 to ground lug located on mounting board next to capacitor C128.
- 12.) Mount 7 pin tube socket on chassis. Pin # 1, 2 and 3 are to point towards capacitor C128.
- 13.) Mount relay K101 and two stand-offs according to A-10321.
- 14.) Connect and solder a wire # 24, brown, from pin 3 of V110 to pin 4 of V102.
- 15.) Connect and solder a wire # 24, brown, from pin 4 of V110 to pin 3 of V102.
- 16.) Solder wire white/black of A-10319 to pin 7 of V110.
- 17.) Connect buss wire # 22 from pin 2 of V110 through centre post to nut strap. Solder at pin 2 and centre post.

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SH. 3 OF 4

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TITLE: STEP BY STEP MOD. OF FFR-3 CODAN

JOB

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- 18.) Connect wire # 24, green, 2½ inches long to pin 1 of V110.
- 19.) Connect wire white/red of A-10319 to stand off next to pin 1 of V110.
- 20.) Connect capacitor C161 (.01 uf, ceramic, disc.) from pin 6 of V110 to nut strap. Solder joint at nut strap.
- 21.) Mount grommet EY-102-3 on rear apron.
- 22.) Lead relay harness of A-10320 through grommet and mount bracket according to A-10321.
- 23.) Place relay harness according to A-10321.
- 24.) Solder wire, white/green, of relay harness to feed thru (of mounting board) connecting to pin 3 of V104.
- 25.) Connect other end of wire, white/green, to stand off located between V102 and V110.
- 26.) Solder resistor R157, 1 Meg ohm, 1/2 watt from same stand off to pin 6 of V110.
- 27.) Solder wire, red, of relay harness to terminal of C120. (See drawing A-10321)
- 28.) Connect relay harness to relay K101 according to Figure I.

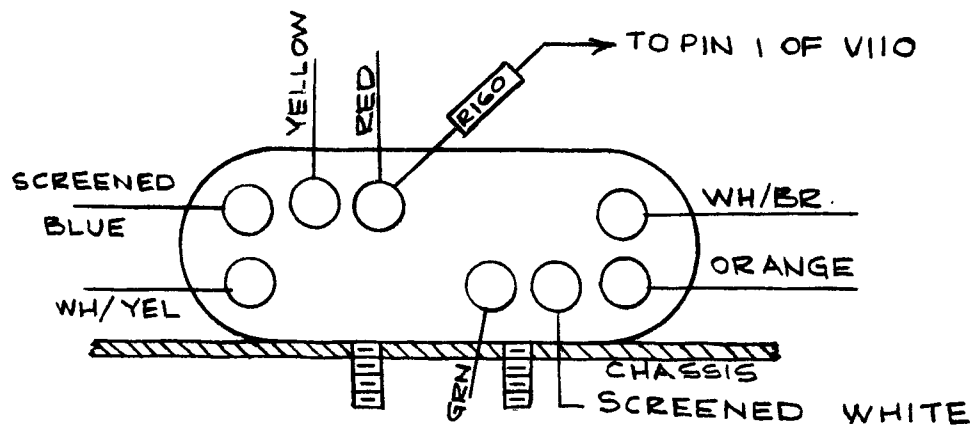


FIG 1 RELAY K101

FIGURE I BOTTOM VIEW OF RELAY K101

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APPROVED <i>A. Kr.</i>	<i>Sec</i>	

- 29.) Connect and solder the braids of the two screened wires to ground lug adjacent to capacitor C128.
- 30.) Connect and solder resistor R160, 12 K ohm, 2 watt from upper centre pin of K101 to pin 1 of V110. (See Figure I.)
- 31.) Solder all connections at relay K101.
- 32.) Place wire, screened, red, of relay harness according to A-10321.
- 33.) Connect and solder centre conductor to pin 7 of V105.
- 34.) Connect and solder braid to adjacent nut strap.
- 35.) Replace bottom cover of front section.

