



**FIG. 1A. PART 1 RELAY SET**  
NOTE 8

**FIG. 1B. PART 2 RELAY SET**

BATT. 22 SWG V FUSE 1000 U12 (PART 2) U12 (PART 1)  
ETH. 22 SWG RETH BAR BA2 U11 (PART 2) U11 (PART 1)

**PART 1:**  
BATT. V U12 - R1b-R3b-AAe-Ck-L5E-WS6-WS8-CBc-CBe-De-De-SSc-SPe-R4b-R7b  
ETH. R U11 - R2a-AA22-A2-D24-LAa-WS25-WB21-CHa-T1E

**PART 2:**  
BATT. V U12 - R6b-R8b-BRe-Be-CDe-GRc-Fe-Obb-DBe-RGe-TCFT/13-AKb-AKe-SBc-TXe-DXd-DXa-DXb-DXd-Dc-8Ab-8Ac-8Bb-8Bc-RLe-R10b  
ETH. R U11 - BR23-BR1-B21-B5-BB-CD21-CDc/BA2-CF2-CF5-RG23-RG4-DC21-SA27-BB21-RL3-TJ1

- NOTES:**
1. FUSING-1.5A PER CIRCUIT AND T.C.F.T.I. (GBW 16710)
  2. THE WINDINGS OF RELAY, DX ARE CONNECTED DIFFERENTIALLY
  3. TO OBTAIN AN IMPULSE OUTPUT FROM WITHIN THE SPECIFIED TEST LIMITS STRAP OUT RESISTORS R11-R20 INDIVIDUALLY OR IN PARALLEL COMBINATIONS AS REQUIRED. AND ADJUST RV1.
  4. SHELF JACK U POINTS (1) (1) (2) (2) (3) (3) (6) (7) (8) (9) (9) (11) (12) AND 24 ARE WIRED TO SIMILARLY NUMBERED U POINTS OF THE INCOMING CIRCUIT ASSOCIATED WITH THE SAME BOTHWAY JUNCTION AND U(1) IS CONNECTED TO U5 OF GBW 16520.
  5. SHELF JACK U POINTS U9 & U11 AND U(1) TO MAKE CONTACT WHEN RELAY SET IS REMOVED.
  6. Ø FOR WIRING SEE GBW 1210 OR GBW 13730 OR EQUIV.
  7. ALL WIRING TO BE 25 SWG UNLESS OTHERWISE SPECIFIED.
  8. SHELF JACK U POINTS SHOWN WITHOUT BRACKETS REFER TO PART 1 RELAY SET FIG. 1A.
  9. SHELF JACK U POINTS SHOWN WITH BRACKETS REFER TO PART 2 RELAY SET FIG. 1B.
  10. ON EARLIER EQUIPMENT COLOUR OF BATTERY WIRING WAS BK OR W.

TO JUNC. VIA CARRIER OF MULT. X. CARRIER IDF OR IDF MUST 1 MDF.

TO JUNC. VIA UNIT C-IDF & MDF.

UAX NZ15 ONLY

**T.C.F.T.I.**  
**CLEAR FORWARD**  
**TIMER**  
FOR DETAILS SEE GBW 16710 OR EQUIV.

**EXPLANATORY ONLY**  
PART OF (CCT) GBW 16520 OR EQUIV.

**EXPLANATORY ONLY**  
GBW 16520 OR EQUIV.

RETRACED		AMENDMENT PARTICULARS		ISSUE DATE		APPD		REF. IN V.		SIZE L		SCALE	

DEPENDENT EXCHANGE OUTGOING LINE CIRCUIT FOR BOTHWAY JUNCTIONS (FOR USE WITH IC LINE CIRCUIT) TO PARENT EXCHANGE NZ.S.G.A.C. NO. 93

**GBW 16490**