

## **MODULE IDENTIFICATION**

Module Identification for each assembly is a sticker pasted on a large component such as cover shield, filter capacitor, etc. The whole part number such as "02-37500-2 I.F. Module" is on the replacement shipping box. The "02-" prefix is dropped on the identification sticker on the module. The first five (5) numbers identify the board and the sixth number, the dash variation, disregard the remaining numbers. Example:

**375002 B0833135** READ ONLY UNDERLINED PORTION, MEANING **37500-2**

02-37502-3 Panel Assembly (I.F.)

Replacement for 02-37502-1,-2,-4. For non-remote E04-1, use as is, discard enclosed capacitor and wire not required. For remote E04-2, remove jumper grounding pin 6 to IC100, add number 22 wire enclosed from pin 6 of IC100 to terminal TA11. Solder enclosed capacitor C114, .05 - 100V, in holes on P.C. board provided for capacitor C114 (from pin 8 to pin 14 of IC100).

### UNIVERSAL PUSH BUTTON MODULE REPLACEMENT 02-39096-3 (PART NUMBER 02-39096-103)

Preface:

- 1.) This unit will replace remote and non-remote modules in the Push Button Cluster.
- 2.) This unit has a male remote plug which is used for remote units and ignored for non-remote modules.

Instructions:

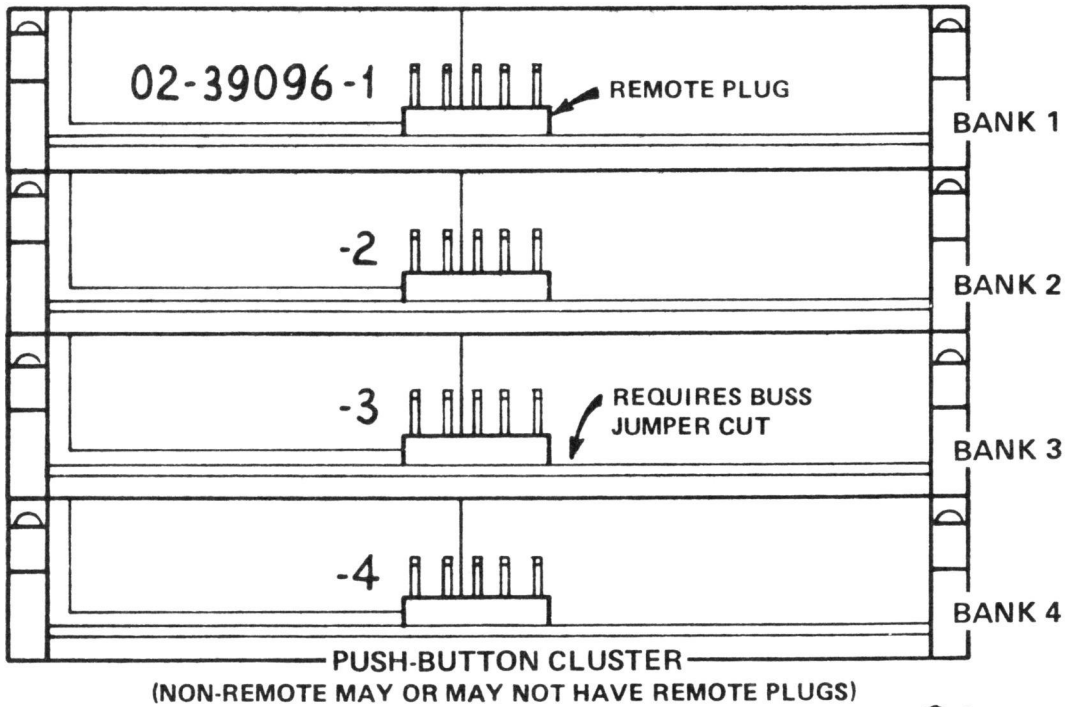
- 1.) The original module may have a dash one (-1), two (-2), three (-3) or four (-4) after the part number. The modules, except for bank three (3), shown on Sketch A, are alike and need no modification for replacement.
- 2.) The third bank or position three, shown on Sketch A, is the split bank for UHF-VHF. When replacing bank 3 module, with the enclosed replacement, it is necessary to open the buss jumper lead location shown on Sketch B. This buss jumper is located directly to the upper right corner of the remote plug on the module. Use cutter pliers to open both ends on top of the board.

Exception to the Rule, UHF Area:

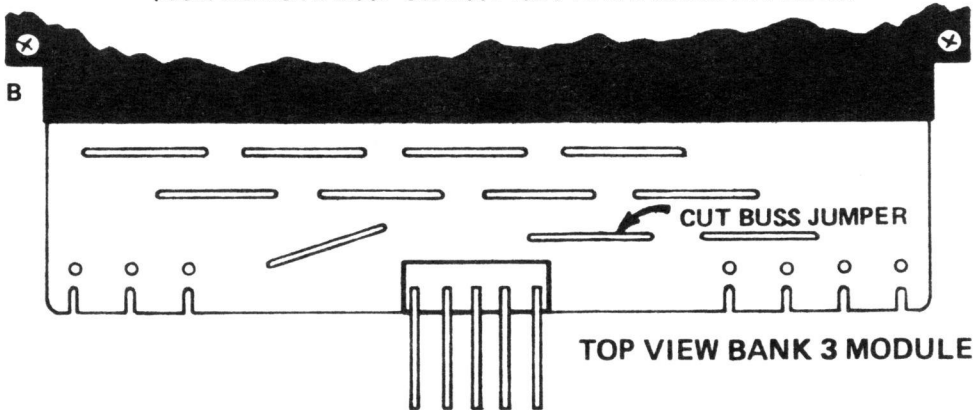
Merely cutting the buss line does not automatically convert that bank to a split UHF-VHF mode, unless the wiring in that cluster has been modified for such operation. Bank number 3 is the only bank factory wired for such operation. It may be possible in some UHF areas that additional bank modifications were made to the cluster in the field. In this case, always check the buss jumper on the bank other than 3, if the jumper has been cut. As a double check, see if UHF callouts are on the button. If so, the jumper should be cut on the replacement unit to match the original unit.

**AVOID MISTAKES – ORDER PARTS BY PART NUMBERS**

SKETCH A



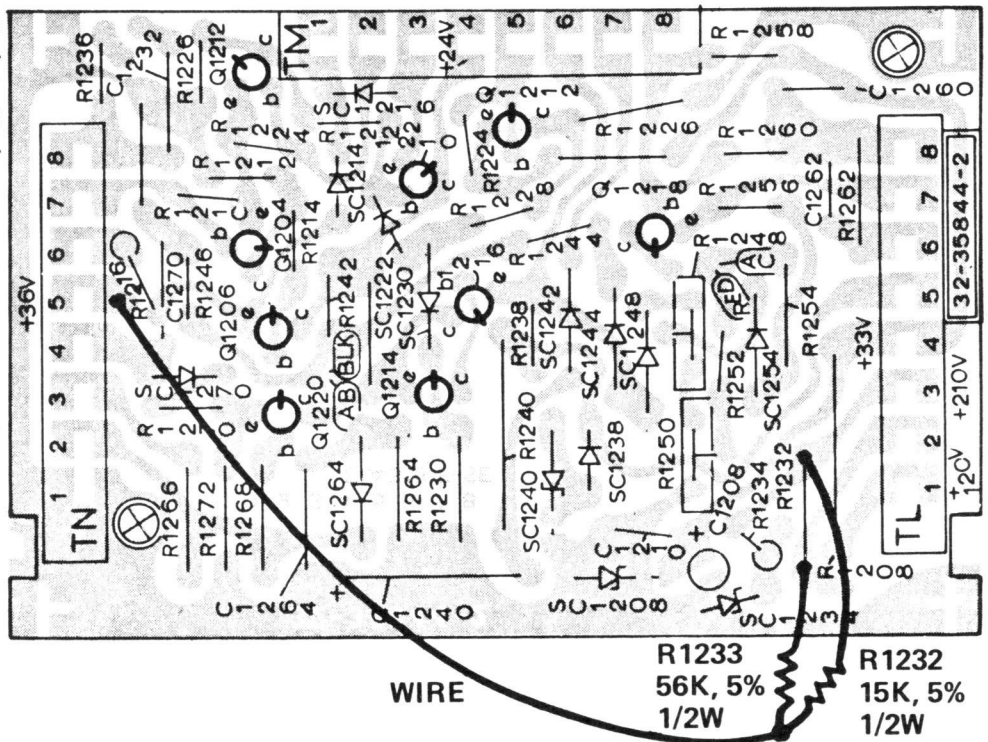
SKETCH B



**02-37556-4 REMOTE BANDSWITCH MODULE FOR NON-REMOTE OPERATION MUST HAVE 03-25576-1 ADDED AS SHOWN FOR PROPER OPERATION OF CHANNEL BUTTON.**

**PART NO. 03-25576-1 KIT CONSISTS OF:**

- R1232 35-331535-4
- R1233 35-335635-4
- WIRE 19-14006-1



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CHASSIS NUMBER	IF MODULES				CHROMA MODULE		DEF. MODULE		BAND SW MODULE			MAIN MODULE					RMT. RCVR.			PRE-AMP			
	02-37500-2,-3	02-37502-3	02-37502-4	02-39220-14	02-37501-2	02-39198-1	02-37503-2	02-37503-3	02-39212-1	02-37556-4 XX	02-39276-1 XXX	02-39276-2 XXX	02-37907-1	02-37907-2	02-37907-3	02-37907-4	02-37907-5	02-37559-2	02-37559-3	02-39634-1	02-37560-2	02-37560-3	
E03-1	X				X		X																
E04-1		X			X		X															X	
E04-2			X		X		X		X									X					
E05-1	X				X		X																
E05-13	X				X																		
E09-1	X					X																	
E09-13,-14	X					X																	
E10-1	X					X																	
E10-2	X					X																	
E11-1				X		X			X														
E11-3				X		X			X														
E11-4				X		X			X														
E12-1				X		X			X														
E12-2				X		X			X														X
E06-1													X										
E06-2													X										
E08-1															X								
E08-2																X							
E08-3																							X

E11-1 CHASSIS 30 K.V. DETENT TUNER  
 E11-3 CHASSIS 30 K.V. VARACTOR  
 E11-4 CHASSIS 30 K.V. VARACTOR - REMOTE

X -3 & -4 USE INTERCHANGEABLY - SEE INSTRUCTIONS PACKED IN BOX.  
 XX E04-2 REMOTE MUST HAVE SC1214 & SC1216, THOUGH WHEN USED IN NON-REMOTE, THEY ARE INACTIVE.  
 XXX -2 SAME AS -1

### PLEASE SELF, OTHERS TOO

By serving the interests of other people you can both please the public and please yourself. People will warm up to you if you follow these suggestions for everyday life:

Knowing your job and attaining a certain ease in your work evokes confidence in the people you serve. They will feel more at ease when dealing with you. The quiet unobtrusive skill of a good worker makes a lasting impression on other people - they can sense your mastery of your work. If you know your job well, the other people will respond gratefully.

To win public respect in your job you don't have to be a walking Book of Knowledge. But you can have the ability to meet any possible situation and answer any question that a person may have. This special awareness and superior knowledge of your job will take time to achieve but once you have it, your dealings with other people will greatly improve.

Being prompt in serving the interests of other people indicates not only respect for the person being served, but also respect for yourself. When you're on time for an appointment you do yourself a favor and you add to your stature.

Coping with difficult people is a question of self-conditioning. Whether you are a bank teller, a secretary, a switchboard operator, or a sales representative, you've had those moments of frustration with the public. A policy of tact and gentleness can put these people at ease and completely destroy their unpleasantness.

A smile can always work wonders, both for you and those you serve. An employer can hire a receptionist on the basis of her smile knowing how important it is. This kind of girl can clinch a deal for the company even before the customer steps into the office. Try it and see for yourself.

### NOTES FROM THE FIELD

A120204 CHASSIS. HAS SOUND - LINE ACROSS MIDDLE - R330, 68 OHM, 1/2W RESISTORS BURNING OR OPEN. SC308 protection diode on base of Q312 shorted.

*Philip A. Laurendeau, Dick's TV Service, Shelburne, Vermont.*

E060201 CHASSIS. NO VERTICAL DEFLECTION. R348 or R358 or R342 open. Q300 or Q302 shorted.

E060201 CHASSIS. NO SOUND - NO RASTER. C418 shorted.

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E080103 CHASSIS. SCR430 TURNED ON. Q504 shorted C - E.

*Netzman Electric, Webster, New York.*

R6313 CHASSIS. NO OUTPUT ON ANY FUNCTION. Center tap lead of T502 secondary not soldered to panel ZZ. Lead was cut very short and apparently broke loose in transit.

*General Telephone & Electronics, Johnstown, New York.*

MODEL CC4152W. HEAVY DARK BARS ON RIGHT SIDE OF RASTER. MOST OBJECTIONABLE AT HIGH BRIGHTNESS AND LOW CONTRAST. C916 unsoldered at base of Q900.

*Service Engineers, Rochester, New York.*

TO FACILITATE QUICK ALIGNMENT OF REMOTE CIRCUITS, SAME OR SIMILAR TO D12-16.

1. Connect V-Meter across R1084.
2. Adjust each coil, when correct button is depressed, for maximum V.

*J. R. Smith, Service Manager, Sylvania Service Company, Cleveland, Ohio.*



**"How about it, Dear? Care to play 9 or 18 rows?"**

servicing radio and television receivers and is furnished without assuming any obligation. Complete engineering data is given in the regular service literature. Correspondence concerning the NOTEBOOK should be sent to the Publications Department at the above address.

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