V-9956
HANDSFREE TALKBACK PLUG-IN BOARD

INTRODUCTION

The V-9956 Handsfree Talkback Plug-In Board, designed to be used with the V-2006A, allows the V-2006A to be converted to a V-2006AHF to permit handsfree operation.
These instructions contain the specifications and information necessary to install and operate the V-9956 used in conjunction with the V-2006A.

DIMENSIONS/WEIGHT

- 9.8" H x 4.5" W x 1.75" D
  (24.89cm H x 11.43cm W x 4.44cm D)
- 1.5 lbs (0.68 kg)

CONNECTIONS

The V-9956 can be purchased as an "add on" feature after the initial purchase of a V-2006A. By adding a V-9956 Handsfree Talkback Plug-In Board, the V-2006A unit can be modified to a V-2006AHF.

The V-2006AHF is programmable on a per zone basis for one-way or talkback communication. When using talkback speakers, the zone must be programmed for talkback communication. A single zone may have both one-way or talkback speakers. One-way amplified speakers should be connected to the low-level outputs for zone 1 (W-S pair), zone 2 (R-O pair), zone 3 (R-BR pair), zone 4 (BK-BL pair), zone 5 (BK-G pair) and zone 6 (BK-S pair). These speakers will act as one-way speakers for its associated zone whether or not the zone is programmed for one-way or talkback paging. If 45 Ohm speakers are connected to the handsfree output and the zone is programmed for one-way, the speakers will receive the page. The page volume control located on the V-9956 board regulates the volume of the 45 Ohm talkback speakers under these circumstances and also provides volume adjustment of talkback speakers during group call. The All Call volume adjustment controls the volume of talkback speakers during all call.

When using Talkback speakers, the zone must be programmed for Talkback communication.

Do not connect amplified speakers to the V-9956 talkback zones as they are already amplified.

__ 1. Unplug the V-2006A from the AC power source; unplug the battery backup if one is used.
__ 2. Remove the cover of the V-2006A unit by first removing the 6-32 screws that attach the cover to the base.
__ 3. Remove the jumper on the V-2006A to allow handsfree operation. Refer to Figure 1 for location of the jumper.
__ 4. Plug the V-9956 board into the chassis of the V-2006A as shown in Figure 2. Insure the proper alignment of all pins for proper fit and operation.
__ 5. Secure the V-9956 board to the V-2006A chassis using the two (2) screws and washers provided.
__ 6. Insert the Phone to Speaker and Speaker to Phone volume controls into the cover of the V-2006A as shown in Figure 2. The control with the long shaft is Phone to Speaker; the control with the shorter shaft is Speaker to Phone. Secure these controls with the washers and nuts provided.
__ 7. Replace the cover of the V-2006A unit, insert the 6-32 screws and tighten snugly to hold in place.
__ 8. Affix the enclosed label to the side of the V-2006A unit to make certain the controls relative to the V-9956 are identified.

__ 9. Using twisted pair telephone wire, connect the talkback speakers to the appropriate output (see Figure 3) on the V-2006A connection block. Zone 1 speakers connect to the Y-O pair, Zone 2 speakers connect to the Y-G pair, Zone 3 speakers connect to the Y-BR pair, Zone 4 speakers connect to the Y-S pair, Zone 5 speakers connect to the V-BL pair, and Zone 6 speakers to the V-O pair. No more than two (2) 45 Ohm speakers should be connected to any talkback zone.
Do not use 8 Ohm speakers.

__ 10. Restore power to the V-2006A, access page and adjust the volume controls as required. There are separate volume controls for the Phone to Speaker, Speaker to Phone, Page, All Call, Background Music and Tone Signaling. For best results, the Speaker to Phone volume control should be turned as low as possible to where background music is just barely audible.

__ 11. When using talkback speakers, the zone must be programmed for talkback communication. Refer to the V-2006A VSP for programming instructions.

TECHNICAL ASSISTANCE

When trouble is reported, verify that power is being supplied to the unit and there are no broken connections. Check voltages for proper polarity on the crossconnect block. If a spare unit is available, substitute that unit for the suspected defective unit.

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM, several clip leads, a telephone test set available and call from the job site. Call (540) 563-2000 and press 1 for Technical Support or visit our website at http://www.valcom.com.

The V-9956 contains no user serviceable parts and is not field repairable. A service facility is maintained in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair and Return Dept
5614 Hollins Road
Roanoke, VA 24019-5056

VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products only to the original purchaser, for its own use, to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. This Limited Warranty obligation shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This Limited Warranty is in lieu of and excludes all other warranties, expressed or implied and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation, maintenance, installation, removal or use of the product. The maximum liability of Valcom under this warranty is limited to the purchase price of the specific Product covered by the warranty.

Disclaimer. Except for the Limited Warranty provided herein, the product is provided "as-is" without any warranty of any kind whatsoever including, without limitation, any **WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

Headquarters:
Valcom, Inc.
5614 Hollins Road Roanoke, VA 24019-5056
Phone: (540) 563-2000 FAX: (540) 362-9800

It is necessary to remove the JUMPER on the V-2006A board before connecting the V-9956 board to the V-2006A board.

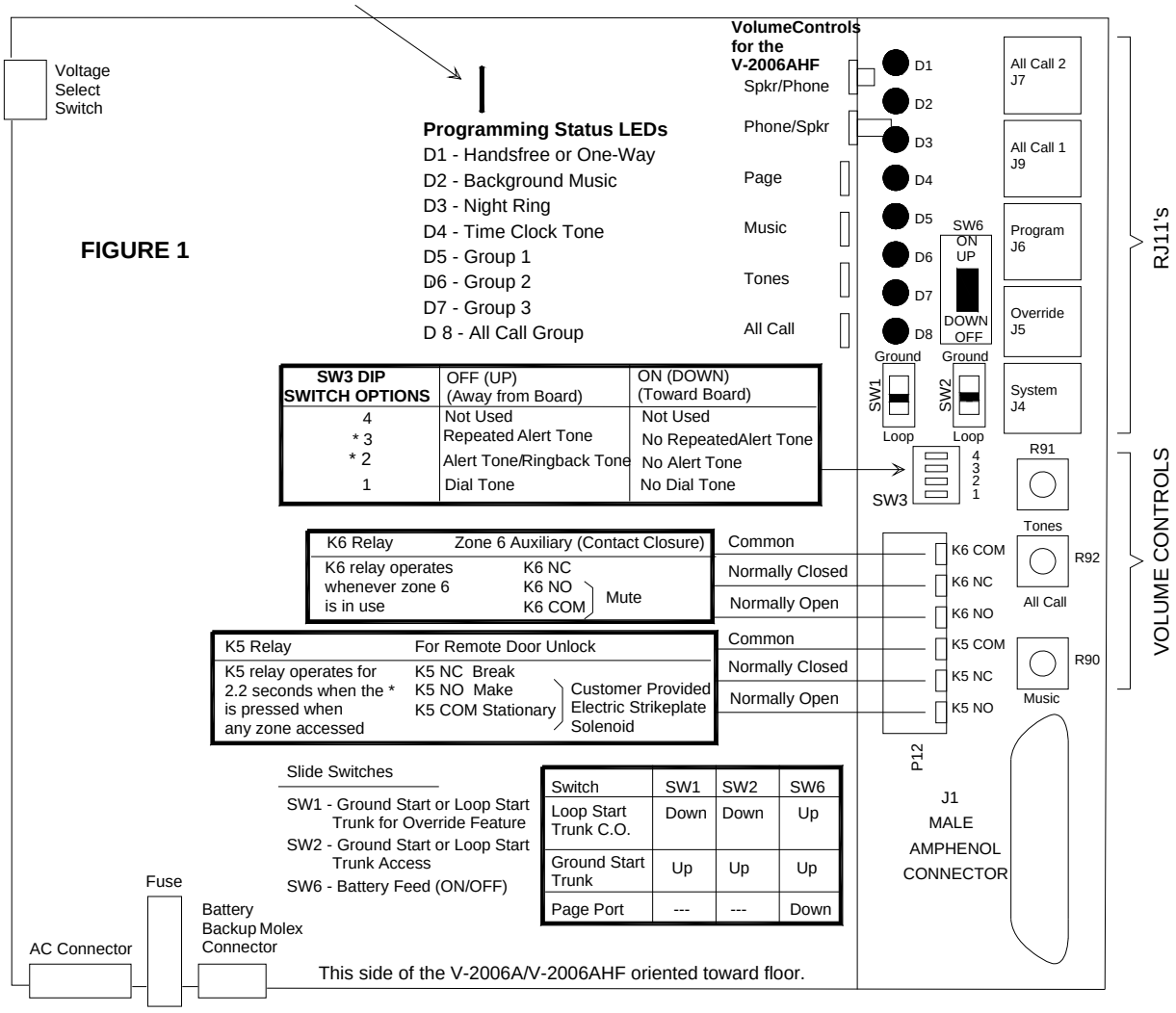

FIGURE 1

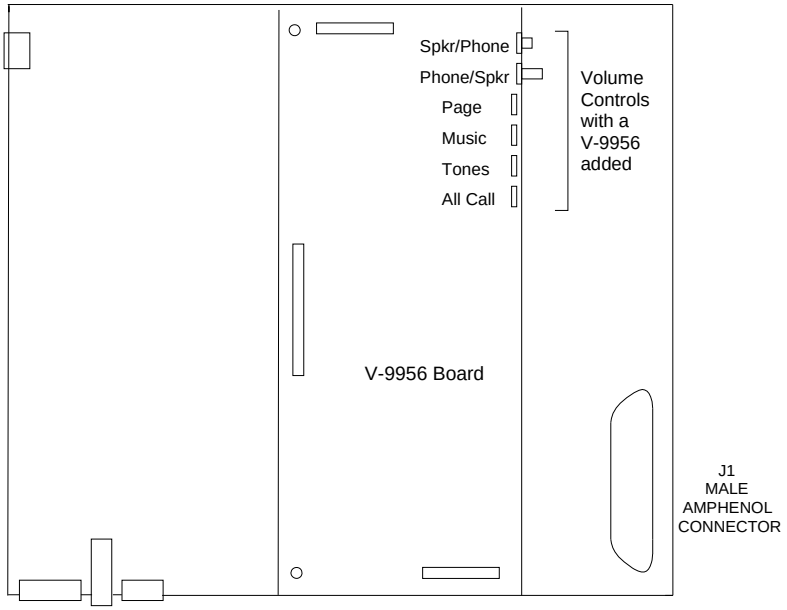

FIGURE 2

FIGURE 3
66 BLOCK CONNECTIONS FOR THE V-9956

	A	B	C		D	E	F
System Tip	____	26	____	W/BL	____	____	____
System Ring	____	1	____	BL/W	____	____	____
Override Tip	____	27	____	W/O	____	____	____
Override Ring	____	2	____	O/W	____	____	____
Music Input	____	28	____	W/GR	____	____	____
Music Input	____	3	____	GR/W	____	____	____
Page Port Contact Closure	____	29	____	W/BR	____	____	____
Inhibit	____	4	____	BR/W	____	____	____
Zone 1 - Low Level Output Tip	____	30	____	W/S	____	____	____
Zone 1 - Low Level Output Ring	____	5	____	S/W	____	____	____
-24V out	____	31	____	R/BL	____	____	____
GND Out	____	6	____	BL/R	____	____	____
Zone 2 - Low Level Output Tip	____	32	____	R/O	____	____	____
Zone 2 - Low Level output Ring	____	7	____	O/R	____	____	____
-24V Out	____	33	____	R/G	____	____	____
GND Out	____	8	____	G/R	____	____	____
Zone 3 - Low Level Output Tip	____	34	____	R/BR	____	____	____
Zone 3 - Low Level Output Ring	____	9	____	BR/R	____	____	____
-24V Out	____	35	____	R/S	____	____	____
GND Out	____	10	____	S/R	____	____	____
Zone 4 - Low Level Output Tip	____	36	____	BK/BL	____	____	____
Zone 4 - Low Level Output Ring	____	11	____	BL/BK	____	____	____
-24V Out	____	37	____	BK/O	____	____	____
GND Out	____	12	____	O/BK	____	____	____
Zone 5 - Low Level Output Tip	____	38	____	BK/G	____	____	____
Zone 5 - Low Level Output Ring	____	13	____	G/BK	____	____	____
-24V Out	____	39	____	BK/BR	____	____	____
GND Out	____	14	____	BR/BK	____	____	____
Zone 6 - Low Level Output Tip	____	40	____	BK/S	____	____	____
Zone 6 - Low Level Output Ring	____	15	____	S/BK	____	____	____
-24V Out	____	41	____	Y/BL	____	____	____
GND Out	____	16	____	BL/Y	____	____	____
Zone 1 - Handsfree Output Tip	____	42	____	Y/O	____	____	____
Zone 1 - Handsfree Output Ring	____	17	____	O/Y	____	____	____
Zone 2 - Handsfree Output Tip	____	43	____	Y/G	____	____	____
Zone 2 - Handsfree Output Ring	____	18	____	G/Y	____	____	____
Zone 3 - Handsfree Output Tip	____	44	____	Y/BR	____	____	____
Zone 3 - Handsfree Output Ring	____	19	____	BR/Y	____	____	____
Zone 4 - Handsfree Output Tip	____	45	____	Y/S	____	____	____
Zone 4 - Handsfree Output Ring	____	20	____	S/Y	____	____	____
Zone 5 - Handsfree Output Tip	____	46	____	V/BL	____	____	____
Zone 5 - Handsfree Output Ring	____	21	____	BL/V	____	____	____
Zone 6 - Handsfree Output Tip	____	47	____	V/O	____	____	____
Zone 6 - Handsfree Output Ring	____	22	____	O/V	____	____	____
Clock Closure	____	48	____	V/G	____	____	____
Clock Closure	____	23	____	G/V	____	____	____
UNA Closure	____	49	____	V/BR	____	____	____
UNA Closure	____	24	____	BR/V	____	____	____
UNA Ringing	____	50	____	V/S	____	____	____
UNA Ringing	____	25	____	S/V	____	____	____

Used with the V-9956 Installed