

HUH Electronics

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BEEPER INSTRUCTIONS

INSTALLATION

BE SURE YOUR PET IS UNPLUGGED BEFORE PROCEEDING! OPEN THE PET AS DESCRIBED IN THE PET OWNERS MANUAL. IF YOU HAVEN'T ALREADY DONE SO, UNPLUG THE CASSETTE P.C. EDGE CONNECTOR FROM THE MAIN BOARD. NOTICE THAT THE BEEPER BOARD HAS P.C. FINGERS SIMILAR TO THOSE ON THE MAIN PET P.C. BOARD. PLUG THE CASSETTE CONNECTOR ONTO THE FINGERS ON THE BEEPER BOARD. THE KEYING SLOT WILL ONLY ALLOW YOU TO DO THIS ONE WAY. BE SURE IT IS FIRMLY SEATED.

PLUG THE BEEPER ONTO THE MAIN BOARD WHERE THE CASSETTE CONNECTOR USED TO GO. BE SURE THE BEEPER IS COMPONENT SIDE UP! PEEL THE PROTECTIVE BACKING OFF OF THE TAPE ATTACHED TO THE BACK OF THE SPEAKER AND STICK THE SPEAKER, FACE UP, TO THE BOTTOM OF THE PET CHASSIS, JUST IN FRONT OF THE BEEPER BOARD.

CLOSE UP THE PET, PLUG IT IN AND TURN IT ON. YOU WILL PROBABLY GET A 'POWER-ON' BEEP. TRY LOADING A TAPE; YOU SHOULD GET A BEEP AFTER THE PROGRAM HEADER IS READ AND AT THE END OF THE PROGRAM. SIMILARLY, YOU SHOULD GET A BEEP WHEN A PROGRAM HEADER IS WRITTEN AND WHEN A PROGRAM IS FINISHED BEING SAVED.

THE VOLUME OF THE BEEP MAY BE ADJUSTED WITH TRIMPOT R5. ADJUST IT FOR YOUR EAR. REMEMBER, THE CASE WILL BE CLOSED DURING NORMAL OPERATION.

PROGRAM CONTROL

THE BEEPER MAY BE BEEPED UNDER PROGRAM CONTROL BY THE FOLLOWING PROGRAM:

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10 POKE 59411,53
20 POKE 59411,61
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THIS ROUTINE WILL RUN THE CASSETTE MOTOR FOR A VERY SHORT TIME; THE RECORDER CONTROLS SHOULD BE IN NEUTRAL (NO BUTTONS PRESSED). NOTE THAT THIS ALSO EXTENDS THE LIFE OF THE RECORDER. THIS ROUTINE CAN BE EMBEDDED IN A LARGER PROGRAM FOR EMPHASIS, PUNCTUATION OR GAME EFFECTS ETC.

THE 'AUX IN' INPUT MAY BE USED BY CONNECTING A JUMPER BETWEEN THE BEEPER BOARD AND THE MOTOR CONTROL LINE OF THE CASSETTE #2 CONNECTOR AT THE REAR OF THE PET. IF NO RECORDER IS PRESENT A 470 OHM RESISTOR MUST BE CONNECTED FROM THE MOTOR LINE TO GROUND TO SIMULATE THE MOTOR LOAD. PLEASE REFER TO THE PET MANUAL FOR THE APPROPRIATE PIN NUMBERS. IF THE BEEPER IS WIRED IN THIS FASHION THE FOLLOWING PROGRAM WILL CAUSE A BEEP INDEPENDENT OF CASSETTE #1'S OPERATION:

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10 A=PEEK(59456):B=A AND(239)
20 POKE 59456,A:POKE 59456,B
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FOR THOSE WHO WISH TO CHANGE THE LENGTH OF THE BEEP, THE VALUE OF RESISTOR R2 (470K - YELLOW/VIOLET/YELLOW) MAY BE INCREASED TO LENGTHEN THE BEEP OR DECREASED TO SHORTEN IT. R2 IS LOCATED NEXT TO THE ELECTROLYTIC CAPACITOR.