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MEMBER NAME: BLACK
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BLACK BOX PLANS

HERE IS HOW YOU CONSTRUCT A BLACK BOX.

WHEN YOUR PHONE IS JUST SITTING THERE DOING NOTHING THE VOLTAGE THROUGH THE PHONE LINE IS ZERO. THEN IF SOMEONE CALLS YOU (FOR SOME STRANGE REASON) AND THE PHONE IS RINGING. THE VOLTAGE JUMPS TO 48 VOLTS WHICH TELLS MA BELL TO STAND BY IF YOU SHOULD PICK UP SO SHE CAN BILL YOU. WHEN YOU EVENTUALLY PICK UP THE PHONE, THE VOLTAGE DROPS TO 10 VOLTS AND THE BILLING STARTS. WHAT A BLACK BOX DOES IS KEEPS THE THE VOLTAGE AS 36 VOLTS, THEREFORE THE INCOMING CALLER NEVER GETS BILLED (INGENIOUS)

THE ORIGINAL BLACK BOX WAS CREATED BY AN EX-BELL EMPLOYEE WHO WENT BY THE NAME "CAPTAIN CRUNCH". HE GOT HIS NAME FROM THOSE LITTLE WHISLES YOU GOT IN BOXES OF CAPTAIN CRUNCH BECAUSE THEY EMITTED A TONE THAT WAS EQUAL TO A COIN. CAPTAIN CRUNCH JUST ANNOUNCED HIS RETIREMENT FROM PHREAKING WHEN HE WAS RELEASED FROM A CALIFORNIA JAIL. HE WAS CAUGHT WITH A BLUE BOX.

CONSTRUCTION OF A BLACK BOX

- 1] A 36 VOLT ZENER DIODE.
- 2] A CERAMIC OR MYLAR CAPACITOR OF 0.1 MICROFARAD.
- 3] A ELECTROLYTIC CAPACITOR OF 1.0 MICROFARAD.

YOU CAN GET THESE AT YOUR LOCAL RADIO SHACK DEALER.

FIRST YOU HAVE TO OPEN UP YOUR PHONE. YOU SHOULD NOTICE THREE WIRES COMING IN FROM THE BACK OF THE PHONE, A GREEN, RED, AND YELLOW. MOST OF THE TIME THEY CAN DIFFER. DON'T WORRY ABOUT THE YELLOW WIRE, WE WILL NOT BE USING THIS. YOU WILL NEED TO FIND THE MOST POSITIVE OF THE REMAINING TWO WIRES. (ALMOST ALWAYS THE GREEN WIRE). NOW CONNECT THE Banded END OF THE ZENER DIODE TO THE MORE POSITIVE OF THESE TWO WIRES. "IN SERIES". YOU HAVE JUST COMPLETED THE FIRST STEP. FOR THE SECOND STEP YOU NEED A CERAMIC OR MYLAR CAPACITOR OF 0.1 MICROFARAD. YOU CONNECT THIS "IN PARRALLEL" ACROSS THE DIODE. THIS IS NEEDED TO ALLOW THE DIODE TO PASS VOICE SIGNALS. NOW FOR THE FINAL STEP TAKE YOUR ELECTROLYTIC CAPACITOR OF UP TO ONE MICROFARAD WITH ITS '+' END

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CONNECTED TO THE BANDED END OF THE DIODE AND THE OTHER END SHOULD BE CONNECTED TO THE ANODE END OF THE DIODE. MA BELL IS NOT TOTALLY OBLIVIOUS TO THIS. IF THE PHONE RINGS FOR ABOUT A HALF-HOUR THEY WILL THINK SOMETHING IS WRONG AND BILL YOU ANYWAY. WHEN USING A BLACK BOX, YOUR PHONE WILL CONTINUE RING EVEN THOUGH YOU PICKED IT UP. YOU HAVE TO MAKE A SWITCH TO CONNECT ONE OF THE RINGER WIRES. THAT WILL SHUT IT OFF. THAT'S IT! HAVE PHUN!!!!!!!!!!!!!!!!!!!!

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