

Programming EPROM's for the QPA Chassis'

All necessary equipment to complete this procedure is in room #37 of building 902.

All EPROM's should be erased before starting this procedure.
Clean the tops of the chips with alcohol to ensure that the windows are free of any foreign material.
Place the chips inside the erasing device by placing them on the drawer provided. Alignment is not critical for this placement.
After closing the draw, plug in the device and set the timer to 20 minutes.
Verify its operation by observing the front pilot light being lit.

Set the four position data transfer switch to position "C"; Labeled EMP-20

Note: The computer password is "quench"
Working from the Windows main screen.
Double click EMP 20 on the windows screen
Depress the enter key

"Select Device" should be highlighted
Depress the enter key
Enter 19 to select INTEL (INTEL should be high lighted and flashing)

Depress the **Tab** key once
2716..... 01A should be highlighted and flashing.

Enter the # **11**
27C256..... 01A should be highlighted and flashing
Depress the enter key

Enter **U**
Select Jedec
Depress enter key
Select **V** filename
Hit enter
Type ***.hex**
Hit enter

Select **Quench**, Hit enter
Select **QPA**, Hit enter
Select **QP11CTL3**, Hit enter

Enter the # **8**
Depress enter key, The message "5987 (1763h) successfully loaded into buffer" should come up.
Depress enter key again

Enter **M**
Buffer check sum should be BB4C cml; 44b4

Place the EPROM in socket with pin #1 up (notch up). Follow the pictorial on the case for proper placement.

Depress the # 1
Depress the enter key
The EPROM should program and finish with the message "Device Successfully Programmed"

Depress N
Check sum should come up BB4C cpl:44b4
"Device" checksum must match the "Buffer" checksum.

Depress the # 3
This Confirms that the device is verified
You should finish with the message "Device Successfully Verified"

Place the appropriate identification sticker over the EPROM window. The chip is now ready for service.

To continue programming additional chips, simply go back to Place the EPROM in the socket..... and repeat the instructions.

Ken W 3/13/01
Filename: QPA EPROM
