Re: Installation of DC95 RF PROM update.

Dear Customer,

This documentation is a guide for installing the DC95 PROM. The tools required for installation are a #1 Phillips screwdriver and a small flat blade screwdriver similar to the one supplied with the datalogger. Instructions for PROM installation are given below:

DISASSEMBLY OF STAND ALONE DC95

1. Disconnect the nine pin and ten pin ribbon cables from the DC95. Remove the three Phillips head screws from the front face of the DC95 and remove the cover. Proceed to "PROM Installation".

DISASSEMBLY OF DC95 CONTAINED IN PS232 BASE STATION

1. Unplug the AC power cord going to the PS232 RF Base Station. Remove the four Phillips head screws located on the sides of the PS232 and carefully remove the cover from the PS232.

2. Locate the DC95 attached to the front panel of the PS232. Disconnect the nine pin and ten pin ribbon cables from the DC95 Modem prior to sliding it out of the PS232. Remove the three Phillips head screws from the front panel of the PS232. After the screws are removed, slide the DC95 out the right side of the PS232 about three inches or until the PROM is exposed. Proceed to "PROM Installation".

PROM INSTALLATION

1. Locate the existing PROM (see Figure below). To remove the existing PROM, gently insert a small blade screwdriver between the socket and the PROM. Pry the PROM out gently starting at one end and then the other, alternating until the PROM is free.

2. Install the new PROM in the same location as the previous PROM. Ensure that the PROM is oriented so the notch is facing to the outside. Carefully align the pins of the new PROM with the sockets and insert the PROM, making sure no pins are bent or folded under.

3. Reassemble in reverse order.
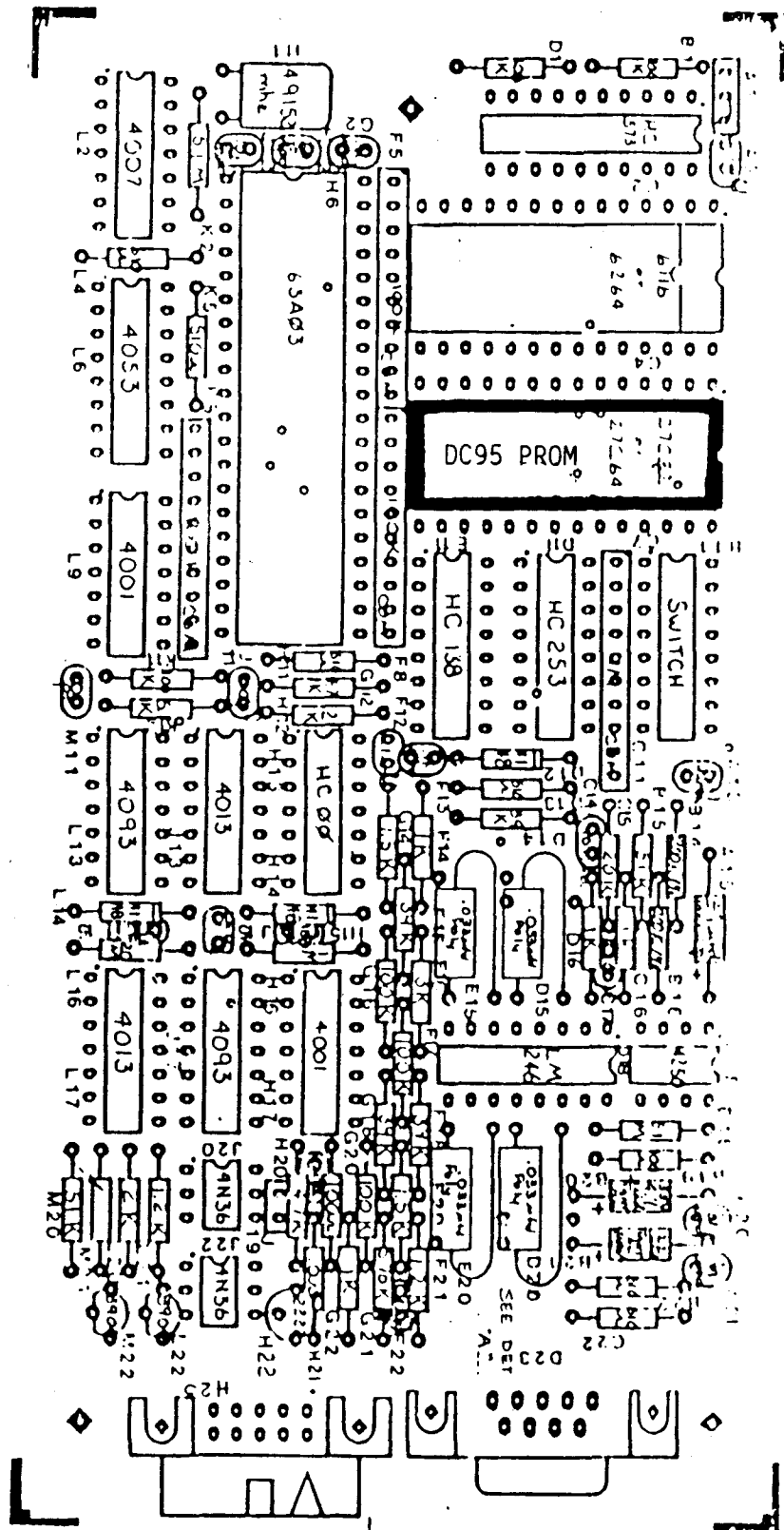
ADDENDUM TO DC95 RF MODEM MANUAL

NEW RF SOFTWARE

In February 1989, CSI started shipping DC95's and CR10's which default to a higher speed RF transmission than used previously. The new DC95 software will also allow 9600 baud communication with a base station computer.

If one of these DC95's or CR10's is used as a base station in an existing RF network, the earlier style RF transmission can be initiated by preceding the RF path with the command "U" (e.g., U123 234F).

Using the U command to force the slower transmission is *only* necessary if the new software is used in a DC95 or CR10 base station and older CR10's or DC95's are in the path.

The new software automatically responds to a RF call with the same transmission rate as the call. This allows a station with the new software to be added to an existing network without changing out the base station RF software, although it may be desirable to do this for increased reliability.

Contact CSI for information on upgrading existing RF software.

CR10 WITH HT90 SDC RADIO

The CR10 datalogger does not require the DC95 RF Modem. It works instead with the HT90 SDC Radio. The Station ID must be set with the ID select switch on the SDC Radio back. This switch is set in the same manner as that in the DC95 (Section 1.3.5). The following figure shows the location of this switch.

SDC Radio Back Pack
for use with CR10

Radio Cable plugs in here

9-pin Connector
for cable to CR10

Switches for setting ID