

# INSTALLATION INSTRUCTIONS FOR THE ENVA OPTION

DT00102-639

(for use in ENVA PCB Kit DK04796)

## 1. INSTALLING THE ENVA OPTION ONTO PROCESSOR PCB DT02684/DT03720

ENVA boards are designed for installation in Electroline pumps only. One ENVA board is required for each hose (ie. one per single pump and two per dual pump).

To install an ENVA board correctly into an Electroline, carry out the following procedures.

- Switch the pump OFF the loop at the Interconnect Box.
- Ensure mains power has been removed from the pump, and the pump is isolated correctly.
- Remove the lid from the CD module, then remove the Power Supply/ Processor PCB Assembly.
- On the Processor PCB, remove the 40-pin IC (U7) from the board. Also remove the PCB mounting screw located beside U7. See Fig. 1 below.

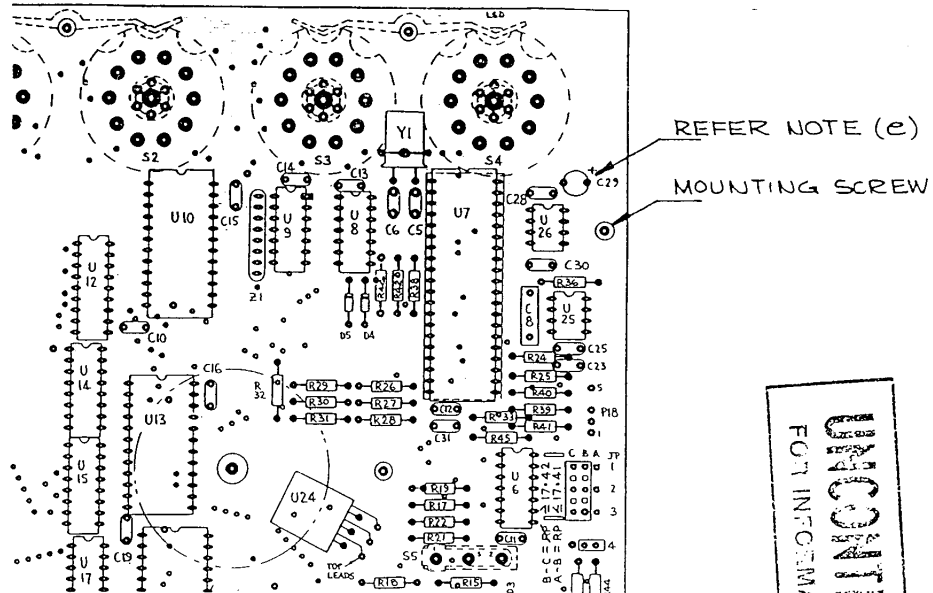


Fig. 1 Processor PCB lay-out

UNCONTROLLED  
FOR INFORMATION ONLY

DD08301-006

- e) Position the ENVA board as shown in Fig. 2 and plug the ENVA board into the U7 socket.

**NOTE:** Capacitor C29 on the Processor PCB which will be located under the ENVA board must be laid over to prevent it from touching the bottom of the ENVA board.

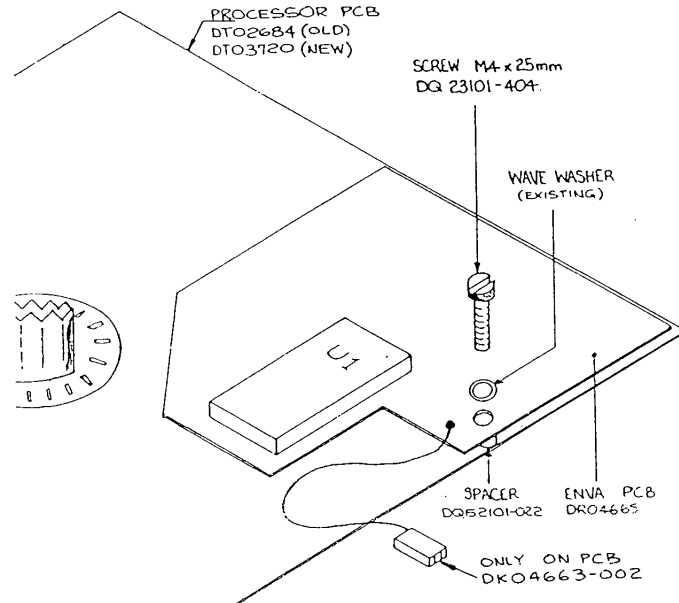


Fig. 2 Mounting position of the ENVA PCB

- f) Supplied with the ENVA board is a spacer and a 25mm mounting screw. Insert the spacer between the Processor and ENVA boards then secure the ENVA board to the Processor PCB and mounting frame. (Use the old washer with the new screw).
- g) Set link JP5 on the ENVA board to the required position as determined by the following chart.

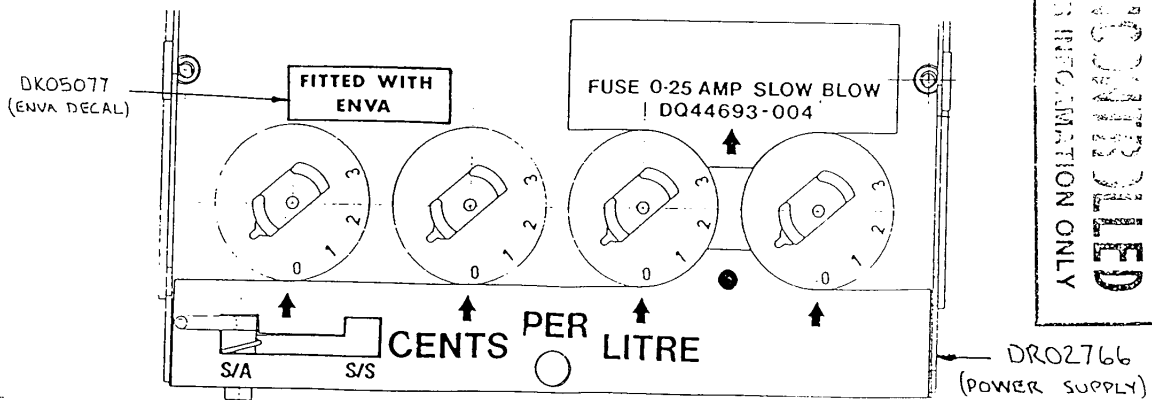
JP1-3	JP4	JP5	Description
B-C	A-B	B-C	New type Processor with rough pulser
B-C	B-C	B-C	New type Processor without rough pulser
		A-B	Old type Processor PCB

**NOTE:** There are two types of Processor PCBs. The Old type, part number DT02684, and the New type, part number DT03720.

**NOTE :** If battery BT1 is fitted to the ENVA board , insert jumper JP6.

DQ08301-006 A4

- h) Use manual diagnostic TEST 0004 to ensure the combination of JP4 and JP5 is correct.
  - i) Replace the Power Supply Assembly in the CD module and secure on the two mounting bolts.
  - j) Connect the Flying lead (if it exists) from the ENVA BOARD to pin connector P11 on the DISPLAY PCB nearest the ENVA BOARD (wire goes to pin2 of P11).
  - k) Set the SA/SS switch to SA, power the pump up and carry out all manual diagnostic tests to ensure everything is operating correctly. Refer to FIELD SERVICE.
  - l) When correct operation has been established, it may be required to reset the pump totals. To reset the pump totals, carry out the following procedure.
    - i) Set the PPU wheels to position 0006. The litre pump total will be displayed with an "L" being displayed on the least significant PPU digit.
    - ii) On the Pump ID switch, operate the most significant switch (position 4) to the opposite position. The pump display will now give the following indication.  
 "rESEt ?"
    - iii) If the totals are to be reset, operate the switch (position 4) back to its original position. The totals are now reset and the pump display will now show all zeros.
  - m) If operating in Stand-Alone mode, set the required fuel price on the price (PPU) setting wheels.
  - n) Select the required operating position (SA for Stand Alone or SS for Self-Serve) and replace the CD module cover. The pump is now ready for use.
2. a) Stamp suffix "-NVA" to model number on pump nameplate (EG. T090-NVA).
- b) Add decal DK05077 as shown below.



DQ08301-006

Copyright Reserved

