

## CP38-12 TRANSISTOR DRIVES BOARD

Please note the following changes have been made to the CP38-12 transistor driver board assembly as of May 7th 1992. These changes have been implemented to inhibit spurious display of the "Phase - Failure" fault message.

Change details are:

1. There has been two suppliers of the Opto Isolator type 4N35 (U8). Problems have been experienced with the Philips device, therefore Motorola is the type that must be used. The components can be identified by colour; Motorola devices are white, Philips devices are black.
2. Additional resistor R33, 150  $\Omega$  (AM13-11/4) has been added across the drive signal input pins 7 and 8.
3. C14, 047  $\mu f$  capacitor (CP4-33/13) has been added across resistor R1.

The printed circuit board has been modified to include the new components. The new board is identified by revision/04.

Any CP38 machines brought in for service should have the CP38-12 board updated.

