Pacific Western Systems Prober
Inker Drive Modification

PWS Inker Drive Modification

The Pacific Western Systems inker drive must be modified for use with Xandex electric and high speed pneumatic inkers. Following are detailed instructions for drive modification.

Parts List

The following parts (not supplied) listed in the table below will be necessary for inker drive modifications.

QUANTITY	DESCRIPTION
4	100Ω, 5%, 2 watt resistor - Dale type CW2B or equivalent.
4	47KΩ, 5%, 1/4 watt resistor
1	20KΩ, 5%, 1/4 watt resistor (required for electric inker system)
1	30KΩ, 5%, 1/4 watt resistor (required for pneumatic inker system)

Top Connector Panel (inker panel), P/N 6456 Modifications

1. Remove the 220Ω resistors at locations R11, R21, R31 and R41. Exercise care not to damage the "pads".

2. Install the 100Ω 5% 2 watt resistors into R11, R21, R31 and R41.

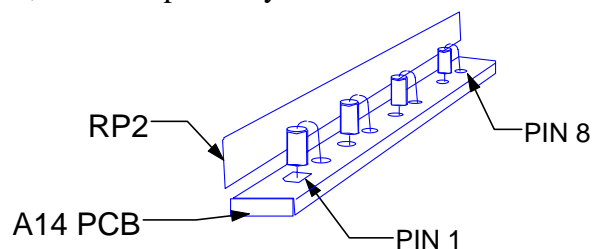3. Double check installation and soldering.

A14 Drive Board, P/N 6290 Modifications

1. Locate RP2. Below RP2 is a set of eight (8) empty holes . Find the "pin 1" hole.
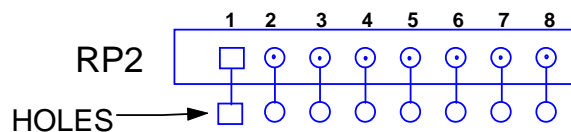
TOP VIEW

2. Install one (1) 47K Ω, 5% 1/4 watt resistor into holes 1 & 2 (stand resistor up).

3. Install the remaining three (3) 47KΩ resistors into the A14 Printed Circuit Board (PCB) in holes 3 & 4, 5 & 6, 7 & 8 respectively.

Note: *If an electric Xandex inking system is being installed, go to Step 4 to complete the modifi-*
cations. If a Xandex pneumatic inking system is being installed, go to Step 5 to complete
the modifications.

4. If an electric inking system is being installed, replace R23 (15KΩ 5% 1/4 watt resistor) with a 20KΩ 5% 1/4 watt resistor.

5. If a pneumatic inking system is being installed, replace R23 (15KΩ 5% 1/4 watt resistor) with a 30KΩ 5% 1/4 watt resistor.

6. When installation is complete verify that all components are in the proper locations, are the correct values, and that all solder connections are made and no traces/pads have been accidentally bridged.