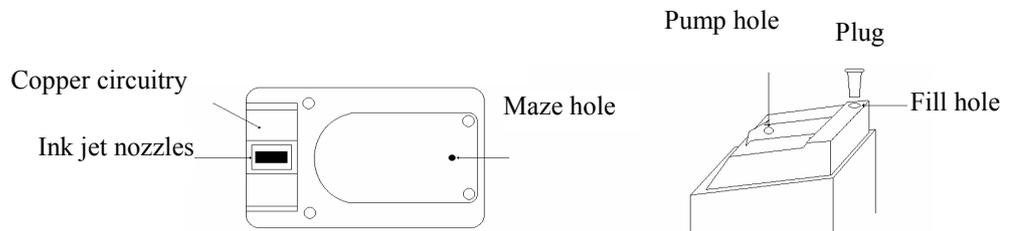


<b>Cartridge:</b>	HP 51626A HP 51633M	<b>Cartridge Wt. New:</b>	51626a 60 g green Microjet 56g green
<b>OEM:</b>	<b>Hewlett Packard</b>	<b>Printer:</b>	DeskJet 300 series DeskJet 400 series DeskJet 500 series
<b>Printhead Location:</b>	Cartridge	<b>Cartridge Type:</b>	Reservoir, pressurised
<b>Reliability:</b>	* * * *	<b>Skill Level:</b>	Expert



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Fig. 2.49

Fig. 2.50

### COMMENTS

This is a pressurised cartridge and must be re-pressurised. If the centre top hole is punctured the cartridge will be irreparably damaged. We have listed two methods for refilling. Method 2 is on page 107. If you are refilling Microjet cartridges, use this method. Microjet cartridge do not leak while filling because the vent hole is on top.

### REQUIREMENTS

- ◆ 40 ml L4000 Black Ink
- ◆ 50 ml syringe with 18 g drawing up needle
- ◆ Plug (ball plug, rubber plug, plastic plug)
- ◆ Pump (5 ml syringe with 2 mm cut off needle)
- ◆ Print head sealing tape and or print head clip.

### REFILLING METHOD 1

If your cartridge does not already contain a plug you can use Refilling Method 2 using the 51629a cartridge as an example (page 107).

#### STEP 1.

Seal maze hole with suitable tape. (See Fig 2.49). If the internal bags are fully deflated you may like to use your vent pump to force a little air into the cartridge to inflate the bags. Now seal the central vent tightly. If this is done correctly you may not need to pressurise later.

#### STEP 2.

Use a 3mm drill in the top right hand corner of the cartridge to create a fill hole into the cartridge. (See Fig. 2.50) (Older style cartridges may already have a fill hole in position sealed by a ball plug.)

#### STEP 3.

Fill syringe with 40 ml of ink and inject slowly so that ink does not froth, into cartridge through corner fill hole. Insert plug of your choice.

#### STEP 4.

Pump up to 5 ml of air into the central hole at the top of the cartridge. Remove the tape you applied to the maze hole and check if the cartridge leaks. If cartridge leaks allow to sit for 30 minutes or re-pressurise.

## Circuit Testing the HP 51626a and Similar Cartridges.

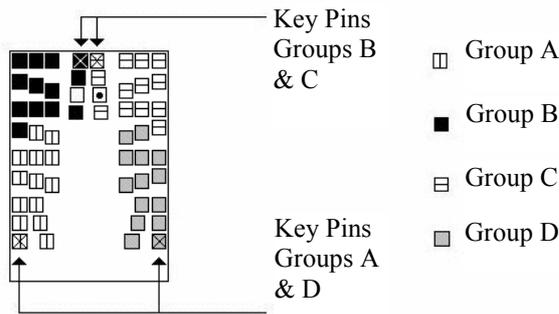


Fig. 2.51 HP51626A, 51629A, C6628A, C6614

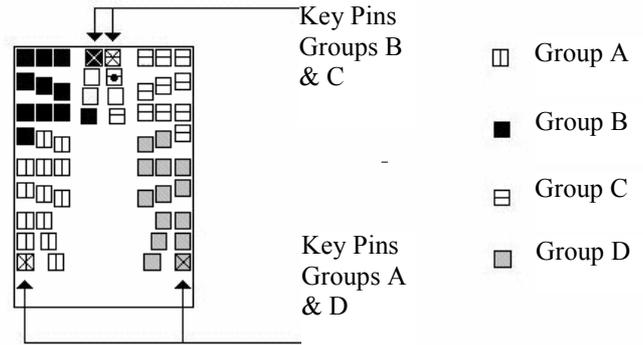


Fig. 2.52 HP51649A, C1816A

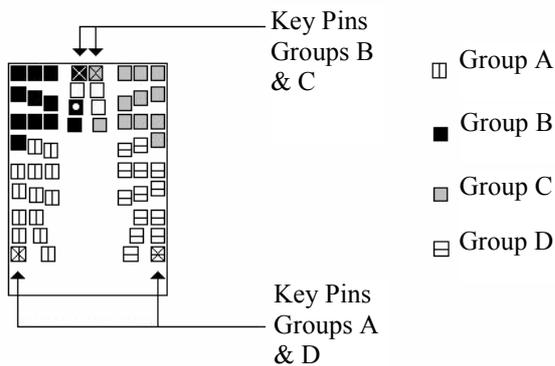


Fig. 2.53 HP51625A

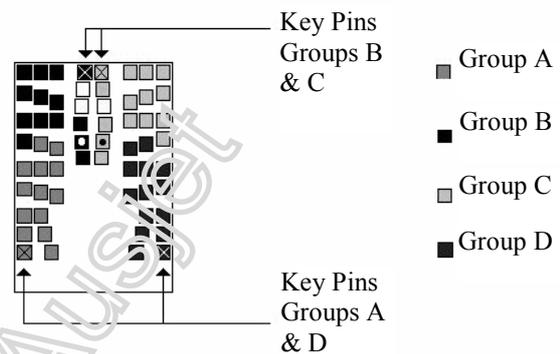


Fig. 2.54 Olivetti Photo

Figs. 2.51 to 2.54 are representation of the circuitry of some HP and Olivetti cartridges. Note that each set of cartridges has a special pin or pins in Group B and/or Group C. The 'blank' pins either do not give a reading or the reading is unreliable.

The "pins" are divided into four groups (labelled A to D). Each group has a key "pin" and it is this "pin" that you test with your multimeter against any other "pin" in the group.

Cartridge	Group A	Group B	Group C	Group D	Special Pin
HP51626A	31Ω	31Ω	31Ω	311Ω	50Ω
HP51629A	36Ω	36Ω	36Ω	36Ω	40Ω
HP C6628/ C6614	36Ω	35.4Ω	36Ω	36Ω	40Ω
HP51649A/ C1816A	35Ω	35Ω	35Ω	35Ω	60Ω
HP51625A	32Ω	32Ω	32Ω	32Ω	65Ω
Olivetti	31Ω	31Ω	31Ω	31Ω	63Ω

Table 2.2

Ω=ohms, the unit for measuring resistance.