

# Honeywell

Honeywell Information Systems Italia

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## LOW COST SERIAL PRINTER

## INSTALLATION

71011350- 100

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APRIL 1977

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# VI

# INSTALLATION

## Purpose

This manual illustrates the sequence of operations that must be performed to correctly install the LOW COST SERIAL PRINTER.

The forecasted "time to install" is approximately .7hrs.

6.1 SITE PREPARATION

6.1.1 Physical Specifications

The unit's physical features, for the various applications, are shown in fig. 6.1.

6.1.2 Electrical Specifications

The AC Power requirements are given in table 6.1

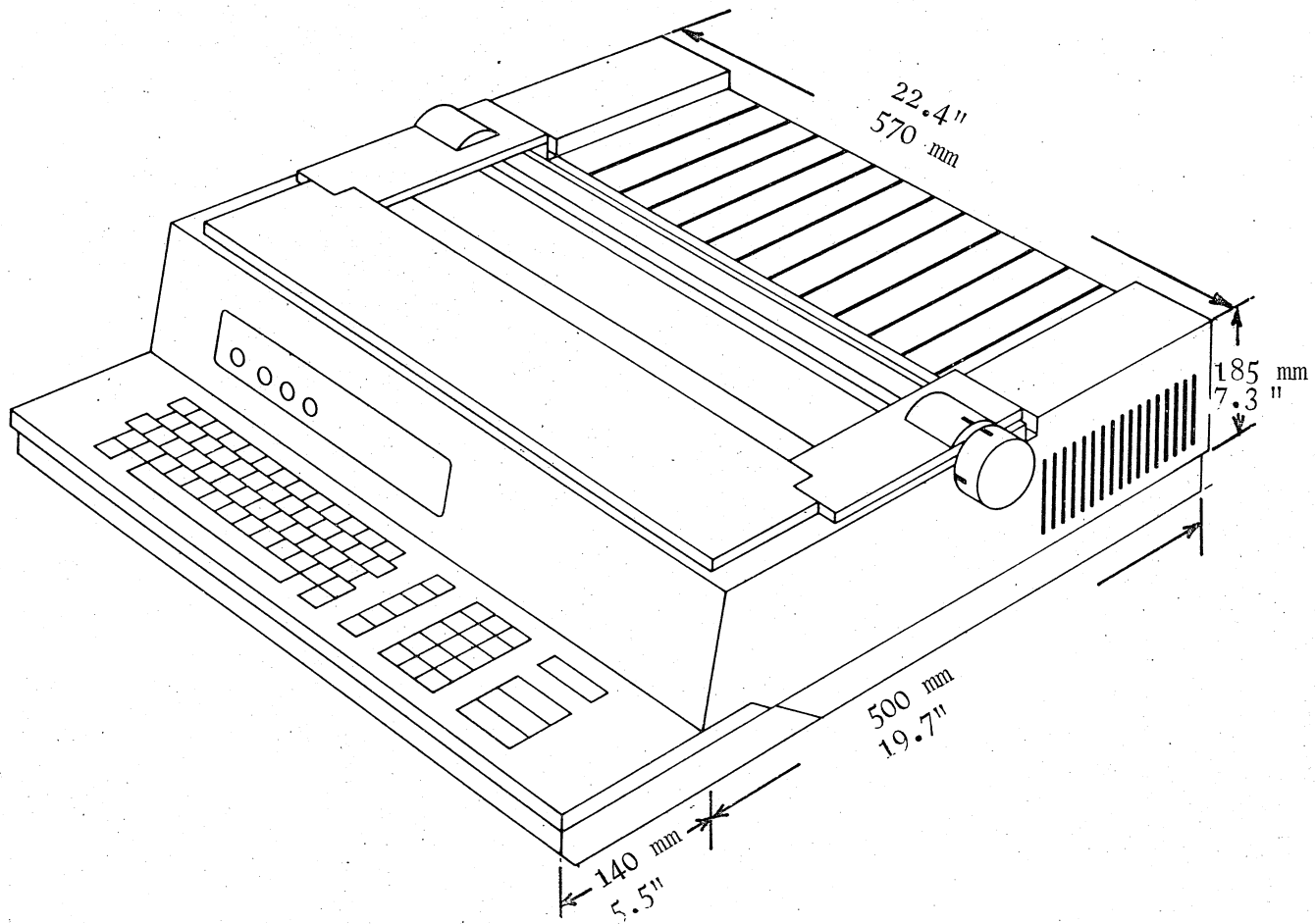
VOLTAGE	Hz	TOLERANCE	MAX RIPPLE (VA)	PHASE No. (XV AC)
208 AC	60	177 to 228 V	270	1 + N + GND
120 AC	60	102 to 132 V	270	1 + N + GND
240 AC	50	204 to 264 V	270	1 + N + GND
220 AC	50	187 to 242 V	270	1 + N + GND/2+GND

Table 6.1

6.1.3 Environmental Specifications

Temperature	Range 10 to 38°C/50.0 to 100.4 °F
	Gradient 11°C/51.8°F per hour
Relative Humidity	Range 30 - 70% RH
Atmospheric Pressure	Range 562 - 780 mm Hg

Table 6.2



Weight : 29 Kg (63 lbs) for KSR  
26 Kg (57 lbs) for R.O.

Fig. 6.1

## 6.2 PHYSICAL INSTALLATION

### 6.2.1 Required Material

- . Personal F.E. Tools kit

### 6.2.2 Uncrating

The L.C.S.P. is shipped in a pack external to which are affixed two forms giving :

- . list of contents
- . guide to unpack

Ensure that the unit is removed according to the unpacking guide and therefore inspect for possible damages. Should damages caused by transport be detected, it will be necessary to :

- . have the carrier witness the entity of the damage
  - . submit an immediate detailed report to the district manager
  - . fill-in any enclosed shipping form
- Check that the contents tally with the appropriate list
  - Remove all contents of the pack and neatly set them aside.

### 6.2.3 Mechanical Assembly

- . Position the unit on the console plane. No mechanical assembly is required.

### 6.2.4 Completeness Check-out

The L.C.S.P. must be shipped complete of :

- 1) a "Product Manual" volume
- 2) an inked ribbon cartridge
- 3) a "Modem" cable
- 4) an "AC" cable.

For the cables identification, refer to the table shown on page 6.11.

### 6.3 ELECTRICAL INSTALLATION AND CHECK-OUT

#### 6.3.1 Required Material

Personal F.E. Tools Kit

#### 6.3.2 Cabling Information

Electrical and logical connection is implemented through two cables :

- . 1 AC monophase cable
- . 1 Modem cable

#### AC Connection

- 1) Loosen the 4 screws fixing the printer top cabinet cover and free the cover. Access to the above screws can be gained by the top side.
- 2) Using an appropriate screw driver, loosen the screw fixing the paper drive handwheel on its axis and therefore remove the handwheel.
- 3) Remove the top cover.
- 4) Connect the AC cable to the plug located on the right rear side of the unit.

#### NOTE

The AC cable, when the LCSP is used on an L62 Console, must be mounted on the casting of the Console itself. Power is drawn from terminal strip TBO1 of the CPU Power Supply at pins 10 and 12 for the 380 and 415V systems, at pins 14 and 16 for the 220V systems and at pins 14 and 15 for 208V - 60 Hz systems.

- 5) Verify the correct cables and jumpers connection on the transformer terminal strip, as per fig. 6.2.

220-240V ± 50 Hz

FROM (See drawg. 78117580)	CABLE POS. N°	TO
C01 - 01	1	T-01 J-02 01 A
CR 02 04	2	T-01 J-02 04 A
CR 02 02	3	T-01 J-03 01 A
CK 01 02	4	T-01 J-03 04 A
CB 01 04	5	T-01 J-01 05 A
T - 01 J - 01 01A	6	T-01 J-01 06 B
T - 01 J - 01 02B	7	T-01 J-01 04 A

120V ± 60 Hz

C - 01 01	1	T-01 J-02 02 A
CR 02 04	2	T-01 J-02 05 A
CR 02 02	3	T-01 J-03 02 A
CK 01 02	4	T-01 J-03 05 A
CB 01 04	5	T-01 J-01 02 A
T-01 J-01 01 A	6	T-01 J-01 04 A
T-01 J-01 02 B	7	T-01 J-01 05 A

208V ± 60 Hz

C - 01 01	1	T-01 J-02 02 A
CK 02 04	2	T-01 J-02 05 A
CK 02 02	3	T-01 J-03 02 A
CK 01 02	4	T-01 J-03 05 A
CK 01 04	5	T-01 J-01 05 A
T-01 J-01 01 A	6	T-01 J-01 06 B
T-01 J-01 02 B	7	T-01 J-01 04 A

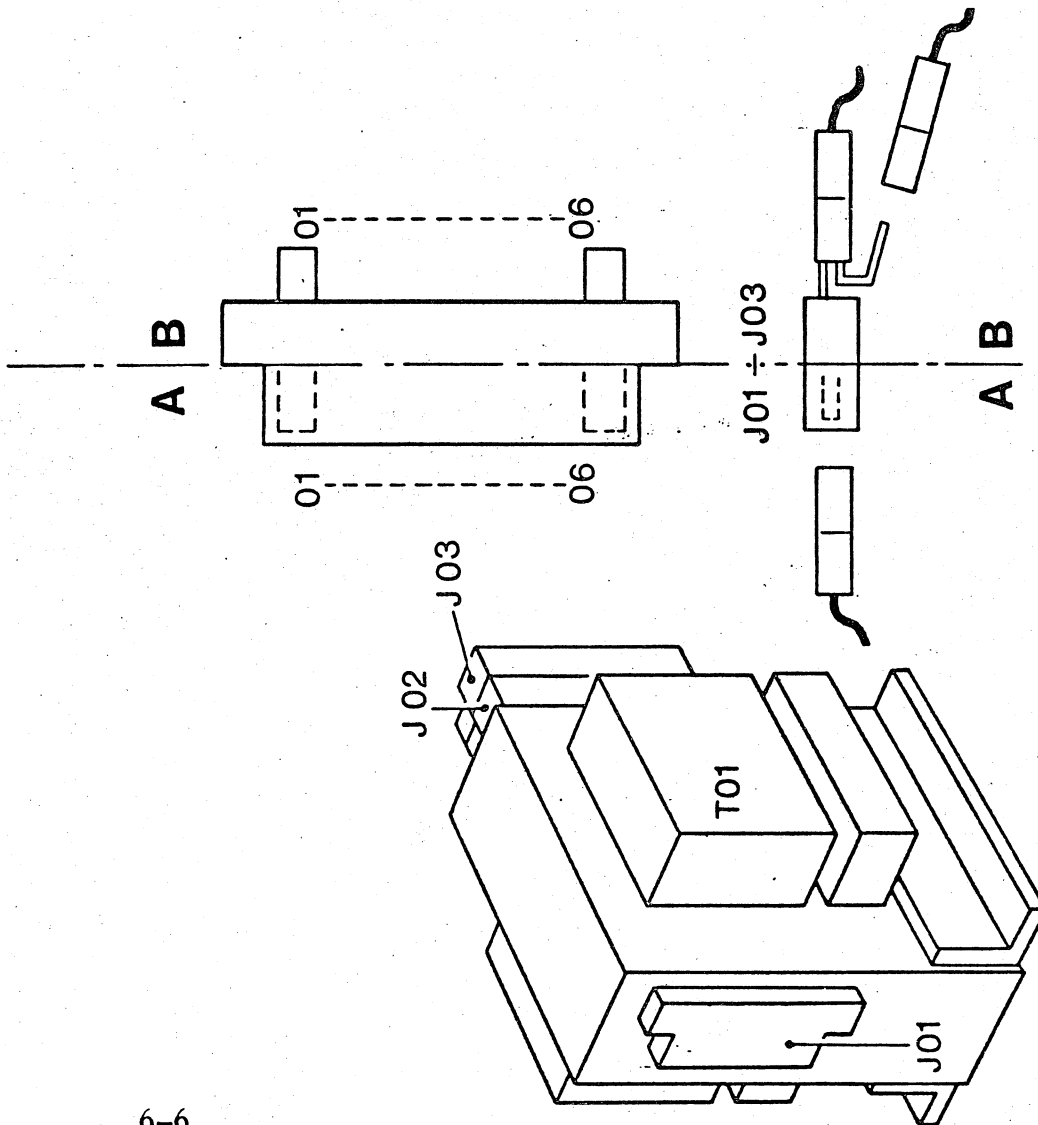


Fig. 6.2

- 6) Remove the clamp impeding the head to slide along the guides  
(See fig.6.3)
- 7) Remove the post fixing the mechanism to the base (See fig. 6.3)  
This post is fixed with a nut located under the base.

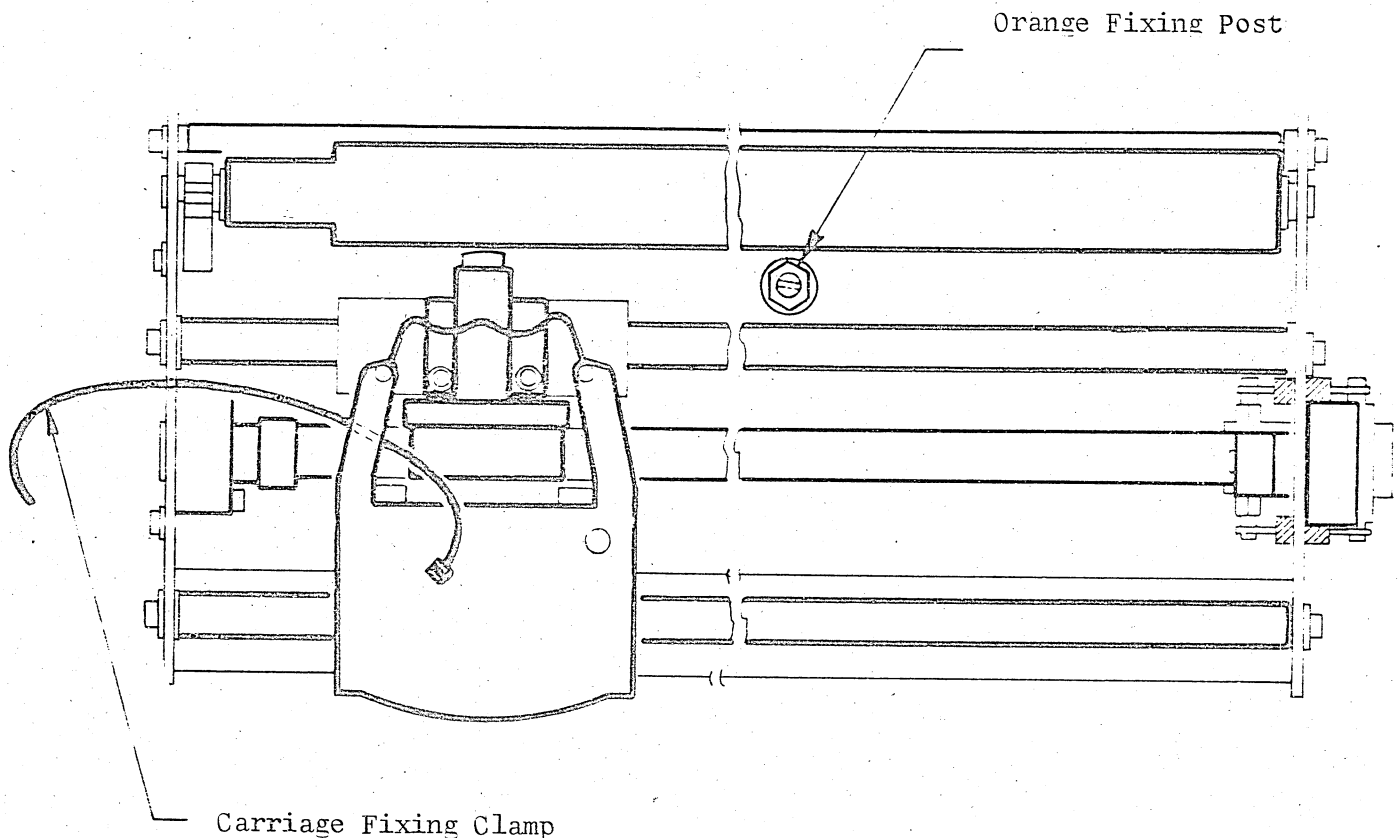


Fig. 6.3

- 8) Unit customizing operations  
Preset the I.C. switches located mainly on the CPU board as established by the document "LCSP MOS CHARACTERIZATION" inserted at the end of the present INSTALLATION section. More detailed informations on this matter are available on this following documents : B78119300 sheets 4/5/6 (CPU board switches), B78117135-002 sheet 6 (DRIVE board tab 002 switches), B78117135-003 sheet 7 (DRIVE board tab 003 switches), B78117217 sheet 4 (AFF board switches).
- 9) Replace the top cover and the paper drive handwheel.
- 10) The AC cable must be connected to a source which adheres to the voltage for which the printer has been previously preset.

Connection of the Modem Cable for L62

The Modem cable must be tied to the appropriate LCSP external connector, then fixed with cable clamps along the already existing cable path inside the Console (See fig. 6.4).

The other end of the cable must be tied to Lines port 5 (See the SC forms).

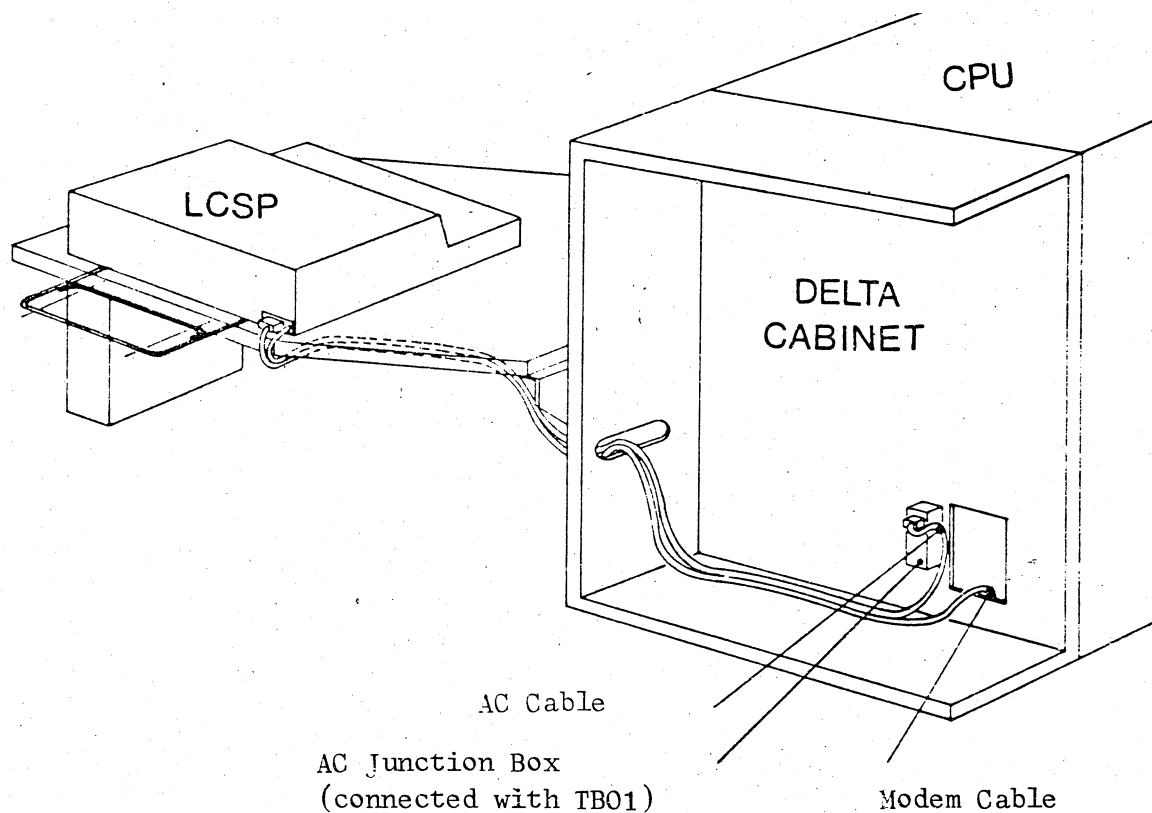


Fig. 6.4

Connection of the Modem Cable for Other Applications

The Modem cable must be connected either to the system I/O lines port or to the Modem according to the Site's requirements. For further information on the above connection, refer to the documentation of the System/Subsystem which the LCSP is connected to.

6.3.3 Initial Power-Up Sequence

Ensure that the breaker located on the printer rear right side is set to "ON". Should this be the case, the AC and DC voltages are present in side the unit.

6.3.4 OFF-Line Tests Procedure

Set the printer in OFF LINE (Local pushbutton), press TEST pushbutton and then START to start-up the internal print routines. Verify the correct execution of the graphic set (see the flow illustrated on page 8.2 of the Maintenance Manual).

6.3.5 ON-Line Tests Procedure

The On-Line Tests must be run through, when necessary, by referring to the pertinent system diagnostic procedure (i.e. "T&D Manual" for the L62).

## 6.4 DE-INSTALLATION

### 6.4.1 Procedure

- Disconnect the Modem cable and withhold it
- Disconnect the "AC" cable following the installation operations in the reverse order.

The machine must be shipped complete of all recovered materials, documentation and diagnostics supports.

6-5 TYPES AND PART NUMBERS OF THE CABLES FOR THE LOW COST SERIAL PRINTER MOS

I.P.L.	APPLICATION	INVOLVED ICSP MODEL	ALLOWED TRANSMISSION SPEED	CABLE PART NUMBER	CABLE LENGTH
AC CABLE	TERMINALS 50 HZ	ALL	---	78200307-001	300 cm
	TERMINALS 60 HZ	ALL	---	78200305-001	300 cm
	L62 SIT STAND CONSOLE	SARA	---	78119390-001	110 cm
	L62 SIT DOWN CONSOLE	SARA	---	78119390-002	230 cm
MODEM CABLE	DIRECT ASYNCHRONOUS CONNECTION	ROSY 24/26/ SARA 20	UP TO 1200 BAUDS	78117809-001	250 cm
	DIRECT ASYNCHRONOUS CONNECTION	L62 CONSOLE - ALL	" " " "	78109312-002	350 cm
	DIRECT ASYNCHRONOUS CONNECTION	ROSY 24/26/SARA 20	UP TO 1200 BAUDS	78117809-002	1500 cm
	DIRECT SYNCHRONOUS CONNECTION	POLY	UP TO 4800 BAUDS	78118288-001	1500 cm
	REMOTE ASYNCHRONOUS CONNECTION	ROSY 24 + SARA 20	UP TO 1200 BAUDS	78109312-002	250 cm
	REMOTE SYNCHRONOUS CONNECTION	POLY	UP TO 4800 BAUDS	78118289-001	250 cm
	REMOTE ASYNCHRONOUS CONNECTION	ROSY 24/26/SARA 20	UP TO 1200 BAUDS	78118666-001	250 cm
	1000 FEET CONNECTION	ROSY 24/26/POLY	UP TO 4800 BAUDS	W16 0999C	30 mt
	"	"	"	W16 0166C	50 mt
	"	"	"	W16 0247C	75 mt
	"	"	"	W16 0330C	100 mt
	"	"	"	W16 0428C	130 mt
	"	"	"	W16 0525C	160 mt
	"	"	"	W16 0625C	190 mt
"	"	"	W16 0723C	220 mt	
"	"	"	W16 0853C	260 mt	
"	"	"	W16 0985C	300 mt	