INSTALLATION

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A. Unpacking

Unpack all boxes and parcels carefully. Check whether parts are left in the packing material.
Place the camera carefully with the right-hand side on a piece of card-board. Mount the wedge plate on the bottom of the camera and place the camera immediately on the dolly.

B. Assembly of the C.C.U.

The CCU has been split up into three separate sub-assemblies: The Electronics Unit, Local Control Unit and Power Supply Unit, which are linked by cables at the rear.
These sub-assemblies can be accommodated either in a standard 19-inch rack or in three separate 19-inch cabinets. In the latter case, the maximum cable length between the Electronics Unit and the Local Control Unit is 100 metres, and that between the Electronics Unit and the Power Supply Unit is 10 metres.
Insert the power modules in the Power Supply Unit, from left to right:

2x12 V, 2x12 V, 125 V, 300 V, 16 V, AC.

Push in until a click is heard.
Before insertion of the modules check that the voltage adapters are set to the correct voltage.
Hinge out the AC power unit at the rear and insert the canon plug in the relevant socket on the carrier. The AC unit can be identified by the 5 fuse holders and the mains cables. Insert the modules in the Electronics Unit, from left to right:
VIDEO IN, CONT. EXTR, CONT. PROC, MATRIX, VIDEO OUT (3x), MONT X, MON W and PULSE.
bottom from left to right:
COMM, SCANNING, FOC-ALIGNM (2x), extender (one unit wide), REMOTE.
The open space next to the REMOTE MODULE is for the encoder and the colour bar generator. Interconnect sockets REG and LCP at the rear of the control unit to those on the electronics unit by means of the cables delivered with the equipment Interconnect the sockets PS on the electronics unit and the power unit.

Warning:

Check that the cables run to the correct socket, as they are interchangeable.

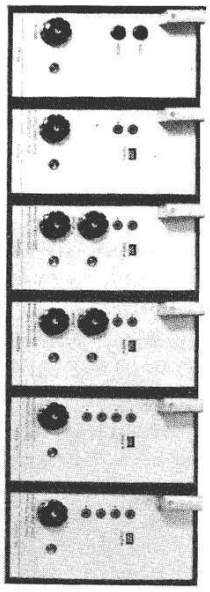
C. Assembly of the camera

Open the camera at the left-hand side. Clean the prism fully with a soft brush or special paper.
Clean the front of the plumbicons carefully. The colour spot on the deflection units indicates in which channel the units should be used. On the plumbicon the colour is indicated by the letter R-G or B after the type number.

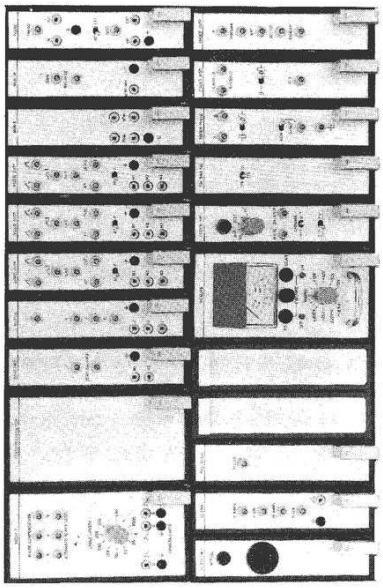
Turn the black clamping ring on the deflection unit counter-clockwise. Slide the plumbicon into the deflection unit from the rear in such a way that the glass button on the plumbicon makes no contact with the mu-metal cap and that the thick locating pin in the base is positioned as shown in the figure.
Turn the clamping ring clockwise.
Mount the green deflection unit in the centre of the camera.
With the left-hand side of the bottom plate of the unit the lever on the base plate (mounted on the camera wall) is pressed inwards.
Then check that the dovetails on the base plate are opposite to the recesses in the bottom plate of the unit, press the unit on the base plate and shift it towards the prism until a click is heard and the unit is locked. Insert the plug into the relevant socket. Mount the red and blue unit in the same way, the red unit at the top, the blue one at the bottom of the camera.
Connect the plugs and tube holders.
Connect the camera cable. For this press the lever in the black locking ring on the camera, place the cable plug in the correct position against the connector and turn the locking ring clockwise.

Note:

When using a VINTEN dolly in conjunction with a MKIII head, the camera can be balanced with a tilt-lock plate with 7" cam (code no. 42682) or a tilt-lock plate with 8" cam (code no. 42661). These plates can be ordered from the supplier.



ETV 2750



ETV 2751

D. Connection of the CCU to the studio system

The connection panel is located at the rear of the electronics unit. The indications near the connectors have the following meaning:

R1-G1-B1 = gamma corrected R-B-B output, to be connected to the R-G-B inputs of the B-channel on the waveform monitor.

R2-G2-B2 = linear R-G-B output signal. Normally not used.

R3-G3-B3 = output signal of VIDEO IN moduel. These are R-G-B signals with camera blanking which have passed the cable correction and master gain control. On the waveform monitor connected to R-G-B, channel A.

S = sync. signal (output)

MON X = VBS-signal output for picture monitor (b1/wh) and viewfinder.

MON W = NAM-signal output which shows the highest and lowest levels of R-G and B. Can be used when displaying the waveforms of different cameras on one waveform monitor.

EXT 2 = External VB-signal input; can be mixed with the R-G-B and Y-signals from the camera.

EXT. ENC. = External input signal for the encoder.

bridged inputs:

- S = Sync, negative
- B = Blanking input negative
- bg = Burst pulse, negative
- Sc = Sub-carrier 0. 5-5 V_{pp}
- KP = Kenn pulse (for PAL only)
- Test = Test signal (VB) input 0.7 V_{pp} positive
- Ext 1 = Ext-signal input. Cannot be mixed with the camera signals.

All inputs and outputs are 75 Ω.

The signalling unit is connected to the "on air" system of the studio through the connector SIGN, contacts A and B. For the connections on the p.c. board, see the circuit diagram of the signalling unit.

To the connector INTERC. the following signals can be applied:.

1. Intercom System A.

   Contacts A and B: camera sound to production
   Contacts C and D: sound from production
   Contacts E and K: Program sound.

2. Intercom System B:

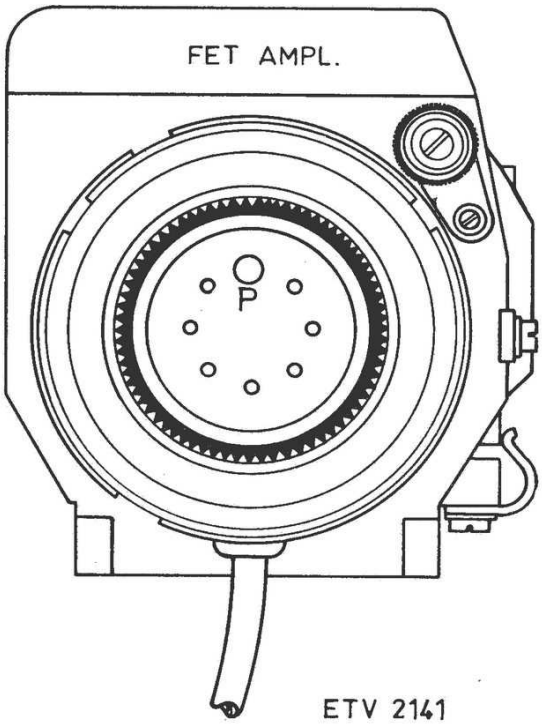
   Contacts C and D: 24 V. dc. and intercom signal from production.
   Contacts F and G: Connection to the studio "on air" system, identical to contacts A and B of the SIGN. connector. No connections to the latter are then needed.

3. Intercom system C:

   Contacts A snd B: Intercom connection between camera and Production. One way communication is possible by switching on SK14 on the L.C.P. Communication is then only possible from production to camera.

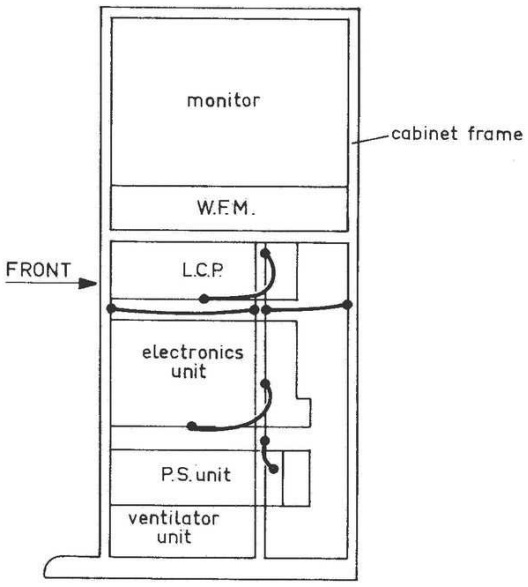
Mains connection:

Fit the mains plug on the mains cable of the power supply unit.

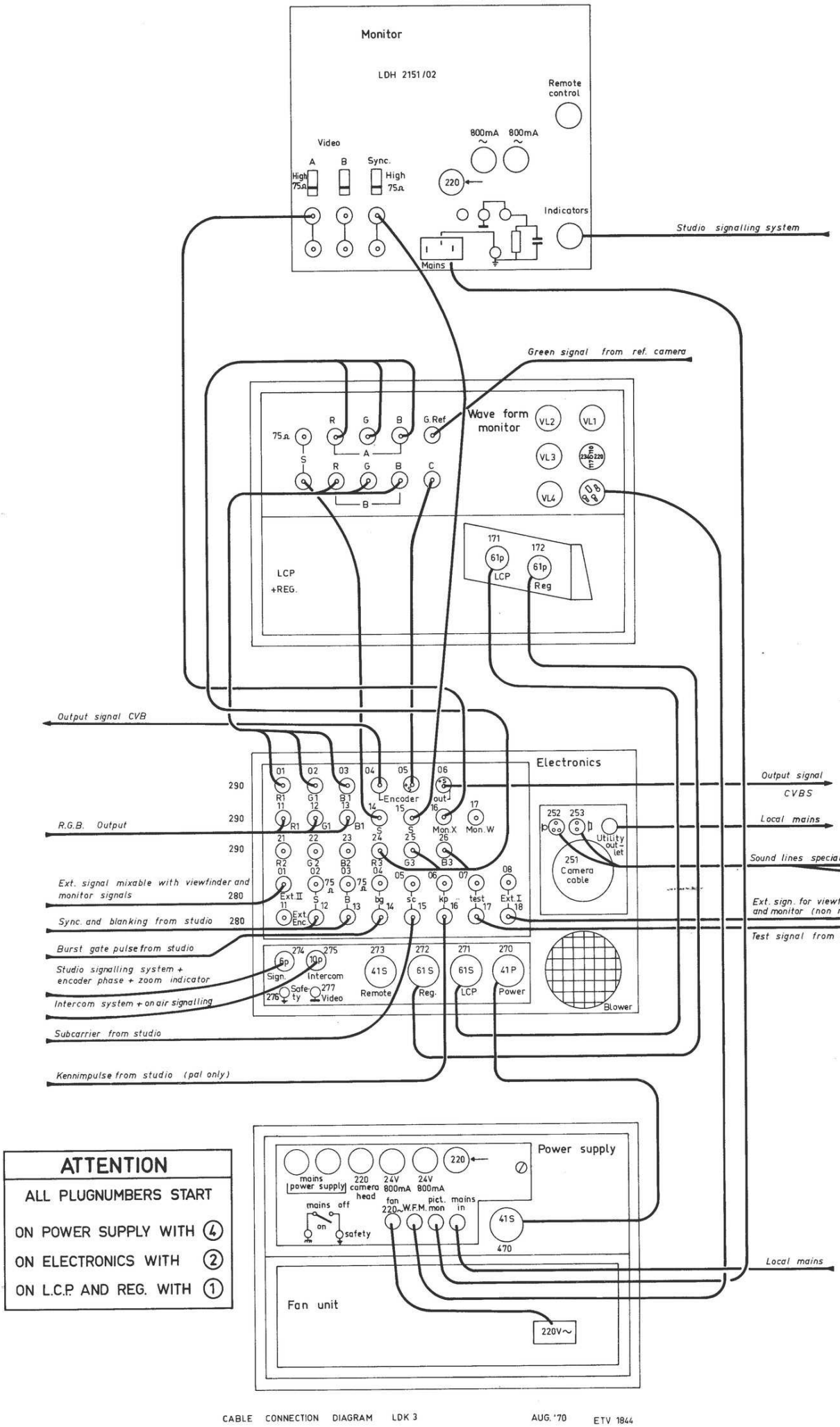


ETV 2141

SURVEY OF THE EARTH CONNECTIONS IN THE C.C.U.



ETV 2607



ATTENTION

ALL PLUGNUMBERS START

ON POWER SUPPLY WITH (4)

ON ELECTRONICS WITH (2)

ON L.C.P. AND REG. WITH (1)

CABLE CONNECTION DIAGRAM LDK 3 AUG. '70 ETV 1844