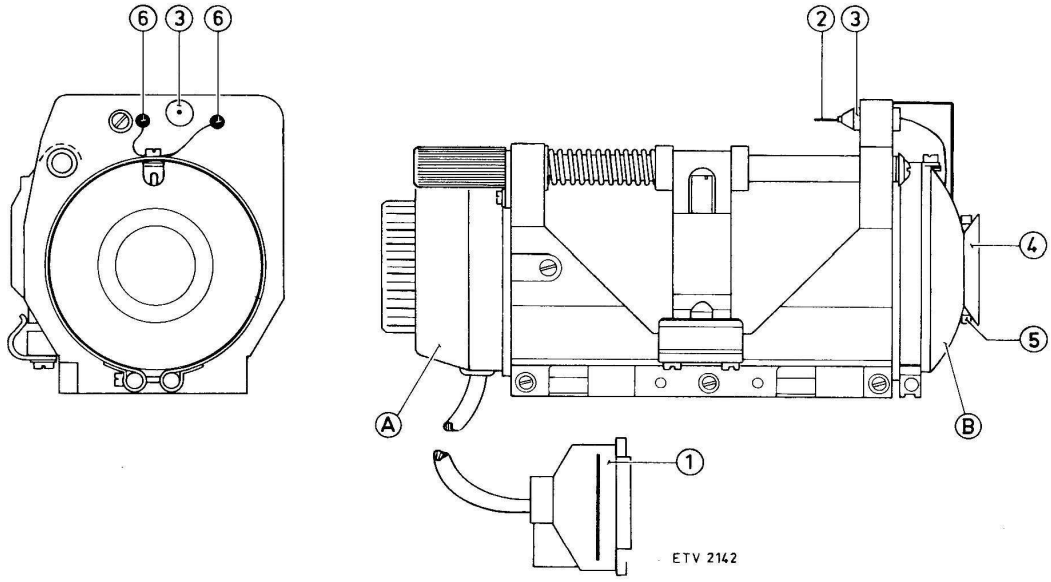
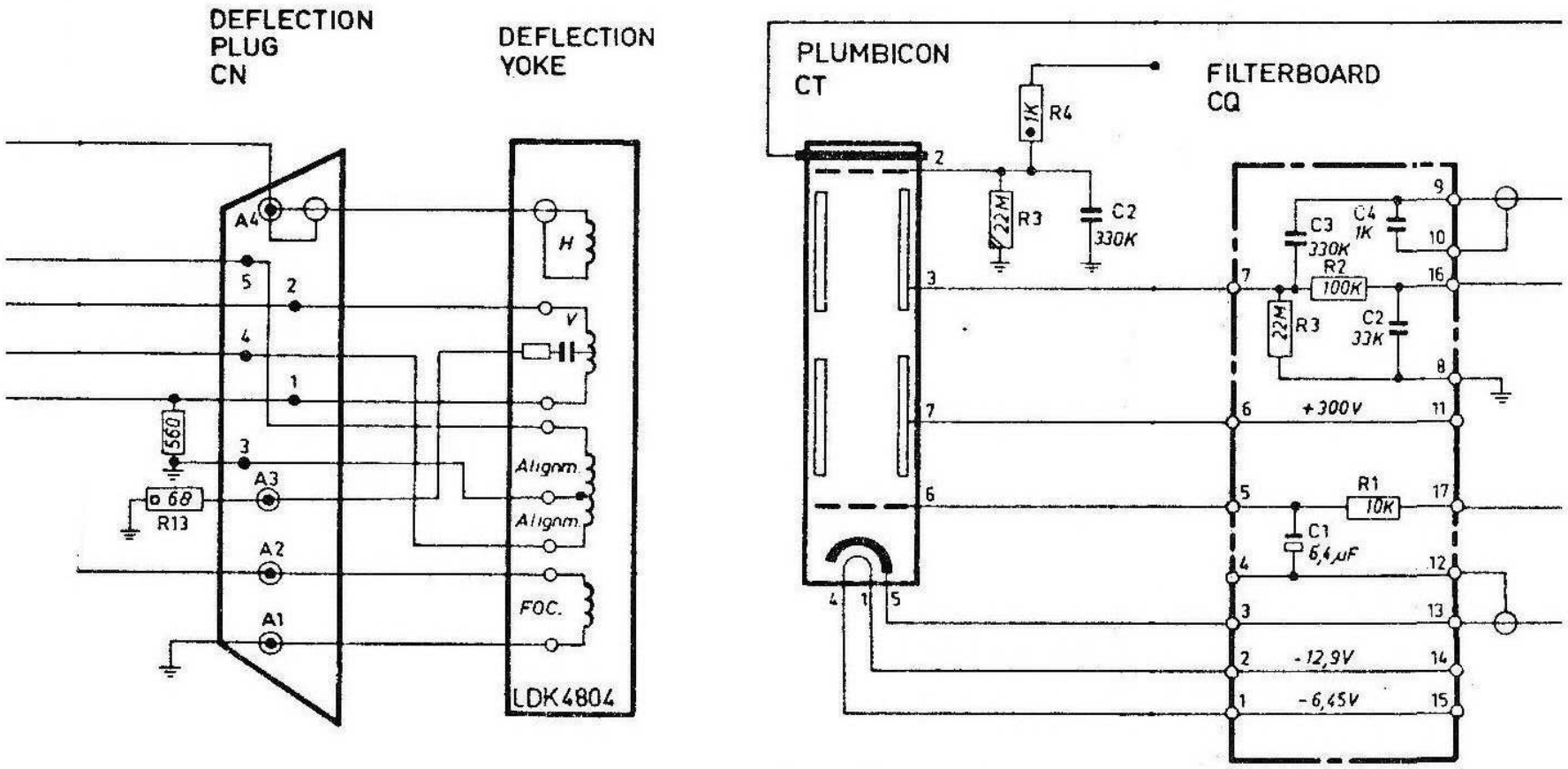
Plumbicon Deflection Unit

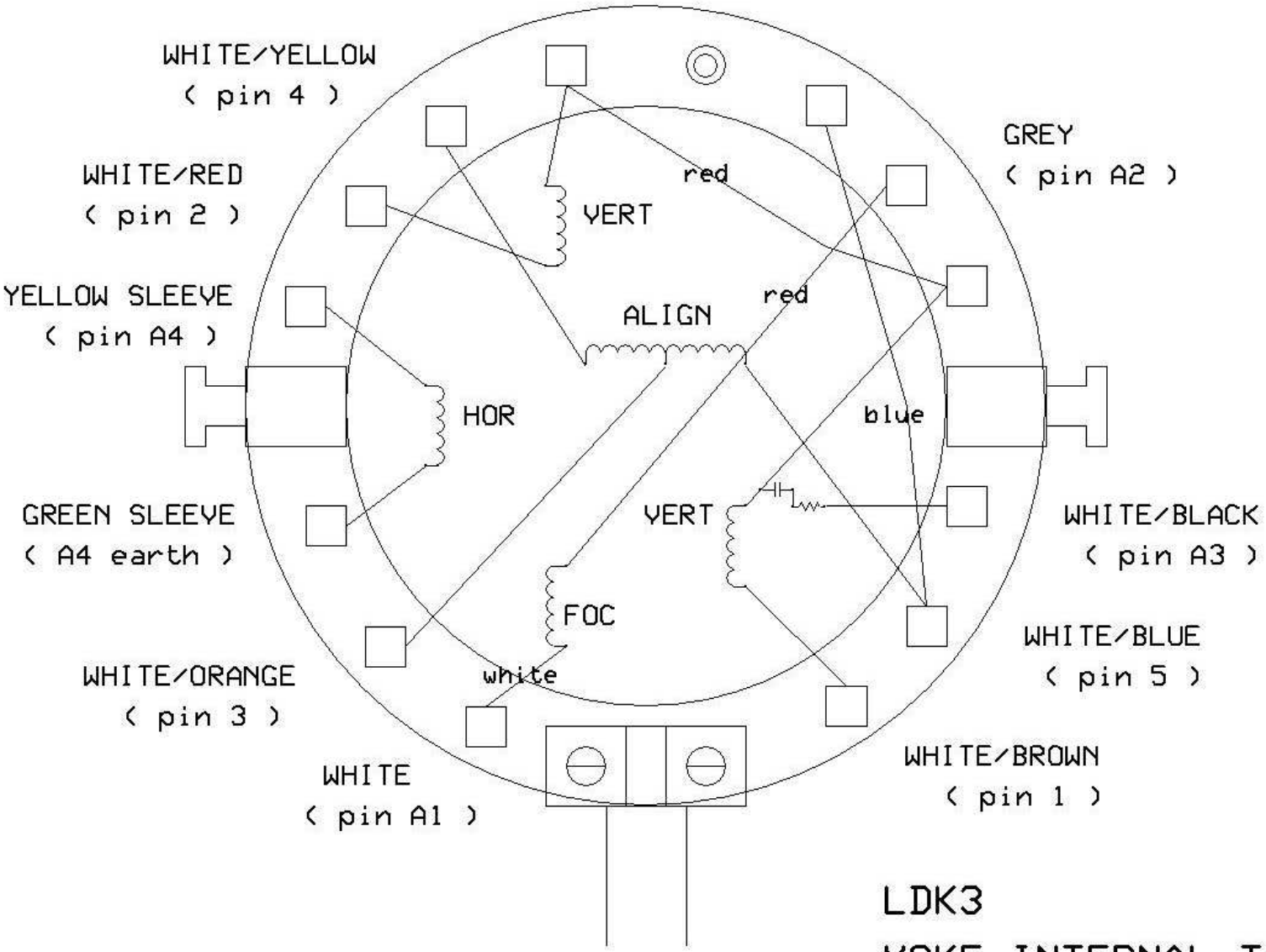

6
3
6
2
3
4
5
A
B
1
ETV 2142

Plumbicon Deflection Unit

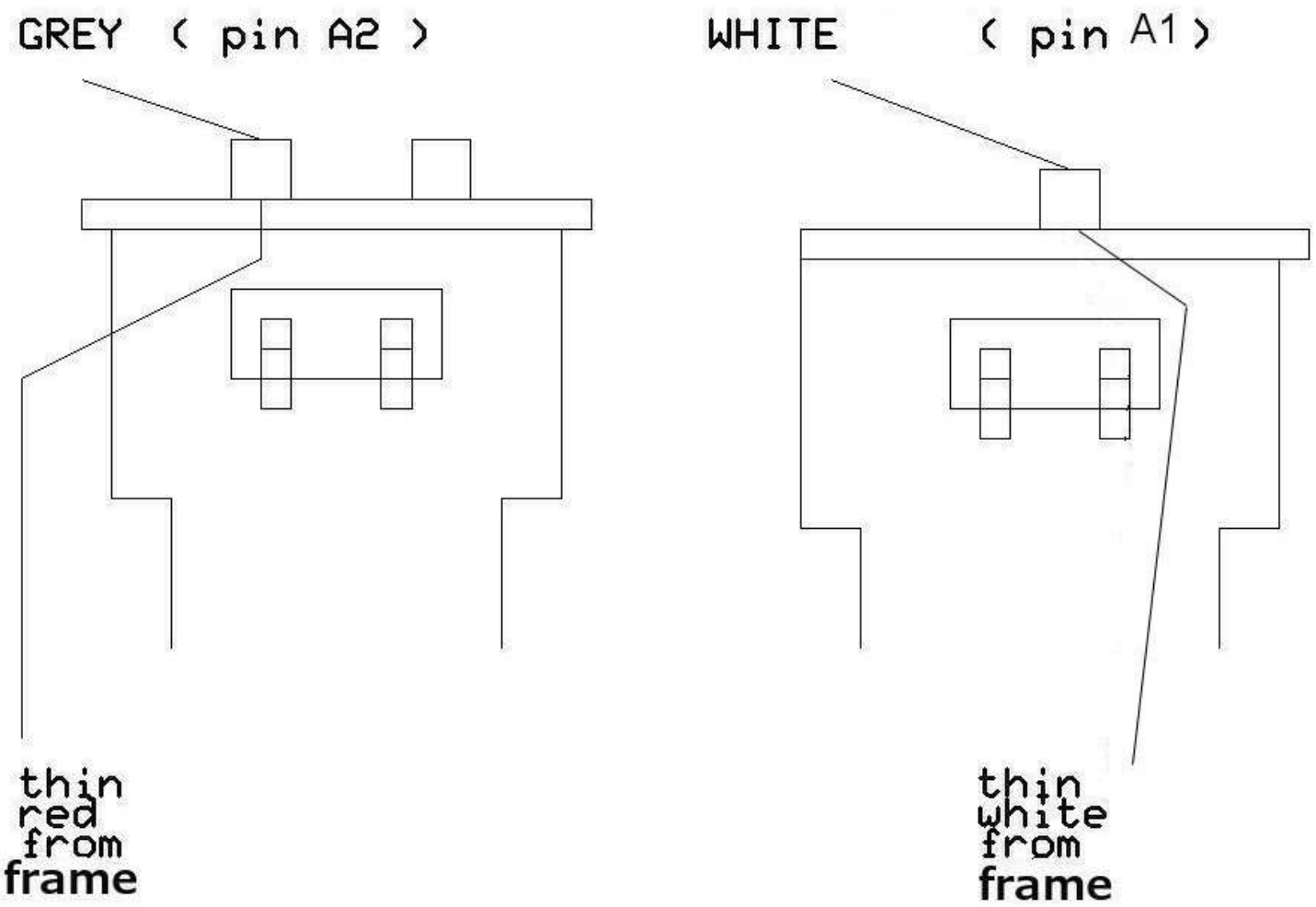
In colour camera chain LDK3 deflection units are employed which have been selected and matched so that they meet the requirements of registration accuracy specified in "CAM. CHAIN", chapter 2 Technical Data.
By means of special measuring techniques the deflection coil properties are determined, after which three matching deflection coils are selected with the aid of a computer.
These so-called "triplets" are supplied under type no. LDK 4804/00.
Matched deflection coils can be identified by means of their serial numbers which are the same (e.g. 700A, 700B, 700C).
However, this implies that repairs to the deflection coils should be restricted to a minimum.
The following repairs are allowed:
a. replacement of plug item 1.
b. replacement of pin and socket items 2, 3 and 6.
c. replacement of bellows and ring items 4 and 5.
The mu-metal covers A and B should never be removed.
Furthermore, the brass screws should never be replaced by screws of a magnetic material.
In general it is advisable to handle the deflection coils with the utmost care. Deformation of the mu-metal covers (e.g. dents in these covers) may cause a "magnetic leak".
Repairs other than the three stated above should be carried out in Eindhoven, Holland.
On request Philips Eindhoven, ELA Service Dept., will quote a reference number which the complete triplet should be forwarded to Eindhoven, for repair.

Item	Description	Code number
	Triplet, set of coils red, green, blue matched	LDK 4804/00
1	Plug	4822 705 30127
2	Contact pin for target socket	4822 264 30074
3	Target socket (white)	4822 267 30191
4	Rubber bellow	4822 529 10102
5	Foam plastic ring for rubber bellow	4822 532 50739
6	Socket (black)	4822 267 30185


DEFLECTION
PLUG
CN
DEFLECTION
YOKE
A4
5
2
4
1
3
A3
A2
A1
560
6Ω
R13
H
V
Alignm.
Alignm.
FOC.
LDK4804
PLUMBICON
CT
FILTERBOARD
CQ
1K
R4
22M
R3
C2
330K
2
3
7
6
4
1
5
C3
330K
C4
1K
R2
100K
22M
R3
C2
33K
9
10
16
8
+300V
11
R1
10K
17
C1
6,4µF
12
13
-12,9V
14
-6,45V
15



LDK3
YOKE INTERNAL TAGBOARD



LDK3 YOKE FOCUS COIL (MOUNTED ON FRAME)